

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081618\
 Data File : VD059823.D
 Acq On : 16 Aug 2018 21:06
 Operator : VA/AP
 Sample : VD0816SBS02
 Misc : 5.06g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 17 05:36:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 16:08:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.61	168	212999	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	6.67	114	289905	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.67	117	237415	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.89	152	137468	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.99	65	156241	57.09	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	114.18%	
35) Dibromofluoromethane	5.52	113	135945	53.81	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	107.62%	
50) Toluene-d8	8.68	98	306153	51.16	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	102.32%	
62) 4-Bromofluorobenzene	11.92	95	134823	50.30	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.32	85	50793	19.569	ug/l	99
3) Chloromethane	1.46	50	26737	18.765	ug/l	99
4) Vinyl Chloride	1.53	62	28574	18.932	ug/l	98
5) Bromomethane	1.77	94	7988	16.623	ug/l	100
6) Chloroethane	1.86	64	11027	17.517	ug/l	100
7) Trichlorofluoromethane	2.05	101	47416	20.005	ug/l	100
8) Diethyl Ether	2.33	74	8188	17.956	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.52	101	27448	20.650	ug/l	90
10) Methyl Iodide	2.66	142	21939	15.836	ug/l	99
11) Tert butyl alcohol	3.23	59	9078	93.756	ug/l #	74
12) 1,1-Dichloroethene	2.51	96	20747	21.588	ug/l	93
13) Acrolein	2.45	56	6082	82.264	ug/l #	81
14) Allyl chloride	2.89	41	48474	20.073	ug/l	93
15) Acrylonitrile	3.32	53	26750	78.857	ug/l	90
16) Acetone	2.58	43	37323	86.417	ug/l	97
17) Carbon Disulfide	2.73	76	56773	17.628	ug/l	100
18) Methyl Acetate	2.91	43	17126	18.554	ug/l	96
19) Methyl tert-butyl Ether	3.38	73	84247	17.960	ug/l	96
20) Methylene Chloride	3.04	84	28090	22.288	ug/l	94
21) trans-1,2-Dichloroethene	3.35	96	25885	13.669	ug/l	83
22) Diisopropyl ether	4.03	45	114388	17.558	ug/l #	91
23) Vinyl Acetate	3.98	43	362083	98.138	ug/l	100
24) 1,1-Dichloroethane	3.94	63	75887	19.635	ug/l	100
25) 2-Butanone	4.80	43	52472	79.380	ug/l	96
26) 2,2-Dichloropropane	4.77	77	75881	21.471	ug/l	93
27) cis-1,2-Dichloroethene	4.77	96	41717	20.106	ug/l	99
28) Bromochloromethane	5.11	49	30257	19.952	ug/l	94
29) Tetrahydrofuran	5.16	42	23619	83.747	ug/l	90
30) Chloroform	5.29	83	94412	20.344	ug/l	97
31) Cyclohexane	5.56	56	48649	17.502	ug/l #	89
32) 1,1,1-Trichloroethane	5.48	97	87552	21.457	ug/l	99
36) 1,1-Dichloropropene	5.71	75	56280	18.922	ug/l	98
37) Ethyl Acetate	4.90	43	28397	19.089	ug/l	98
38) Carbon Tetrachloride	5.69	117	74288	20.702	ug/l	94

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 Misc : 5.06g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 17 05:36:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 16:08:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.26	83	46070	17.906	ug/l	97
40) Benzene	5.99	78	120178	19.049	ug/l	97
41) Methacrylonitrile	5.09	41	13541	19.026	ug/l #	90
42) 1,2-Dichloroethane	6.10	62	69207	20.269	ug/l	96
43) Isopropyl Acetate	7.59	43	32637	17.373	ug/l	97
44) Trichloroethene	6.95	130	40095	18.559	ug/l	91
45) 1,2-Dichloropropane	7.33	63	28860	17.599	ug/l	98
46) Dibromomethane	7.43	93	25737	19.189	ug/l	91
47) Bromodichloromethane	7.72	83	64847	19.733	ug/l	96
48) Methyl methacrylate	7.48	41	22982	18.748	ug/l	95
49) 1,4-Dioxane	7.46	88	3087	285.953	ug/l #	71
51) 4-Methyl-2-Pentanone	8.57	43	116588	82.103	ug/l	99
52) Toluene	8.78	92	81288	20.112	ug/l	97
53) t-1,3-Dichloropropene	9.16	75	55200	20.260	ug/l	97
54) cis-1,3-Dichloropropene	8.34	75	57382	19.488	ug/l	98
55) 1,1,2-Trichloroethane	9.43	97	29008	19.441	ug/l	93
56) Ethyl methacrylate	9.29	69	31464	19.472	ug/l	97
57) 1,3-Dichloropropane	9.64	76	45898	19.636	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.16	63	81474	102.014	ug/l	96
59) 2-Hexanone	9.77	43	85547	84.014	ug/l	100
60) Dibromochloromethane	9.93	129	44728	20.646	ug/l	98
61) 1,2-Dibromoethane	10.07	107	32313	19.550	ug/l	95
64) Tetrachloroethene	9.49	164	40827	19.967	ug/l	95
65) Chlorobenzene	10.70	112	97173	20.210	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.83	131	41411	21.369	ug/l	92
67) Ethyl Benzene	10.84	91	180475	21.801	ug/l	98
68) m/p-Xylenes	10.99	106	115898	41.306	ug/l	99
69) o-Xylene	11.39	106	58224	21.619	ug/l	88
70) Styrene	11.42	104	98108	20.540	ug/l	98
71) Bromoform	11.58	173	29493	20.937	ug/l	95
73) Isopropylbenzene	11.76	105	164952	18.951	ug/l	95
74) N-amyl acetate	11.63	43	48109	18.026	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.07	83	32766	18.537	ug/l	95
76) 1,2,3-Trichloropropane	12.10	75	37568	19.262	ug/l	99
77) Bromobenzene	12.03	156	49355	19.842	ug/l	95
78) n-propylbenzene	12.14	91	209632	19.307	ug/l	94
79) 2-Chlorotoluene	12.20	91	137578	21.012	ug/l	94
80) 1,3,5-Trimethylbenzene	12.30	105	140985	20.228	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.83	75	8010	17.554	ug/l	88
82) 4-Chlorotoluene	12.31	91	152572	20.530	ug/l	97
83) tert-Butylbenzene	12.56	119	148509	19.284	ug/l	95
84) 1,2,4-Trimethylbenzene	12.61	105	142609	18.988	ug/l	98
85) sec-Butylbenzene	12.75	105	180126	20.180	ug/l	96
86) p-Isopropyltoluene	12.87	119	152276	20.388	ug/l	95
87) 1,3-Dichlorobenzene	12.82	146	89495	20.066	ug/l	97
88) 1,4-Dichlorobenzene	12.91	146	86334	19.524	ug/l	96
89) n-Butylbenzene	13.19	91	148244	19.631	ug/l	98
90) Hexachloroethane	13.39	117	38212	20.389	ug/l	83
91) 1,2-Dichlorobenzene	13.18	146	74005	20.173	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.76	75	6670	21.151	ug/l	68

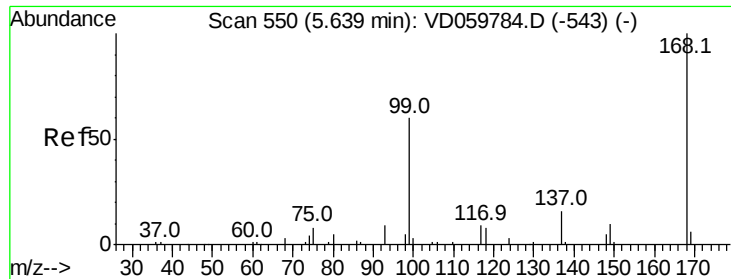
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081618\
Data File : VD059823.D
Acq On : 16 Aug 2018 21:06
Operator : VA/AP
Sample : VD0816SBSD02
Misc : 5.06g/5ml/MSVOA D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Aug 17 05:36:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 15 16:08:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	62175	20.270	ug/l	98
94) Hexachlorobutadiene	14.43	225	46456	20.518	ug/l	96
95) Naphthalene	14.51	128	90373	19.244	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	55429	20.479	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

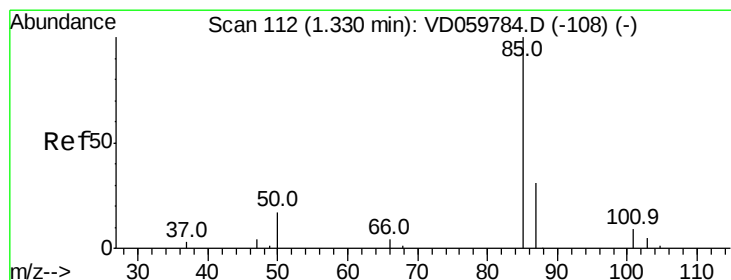
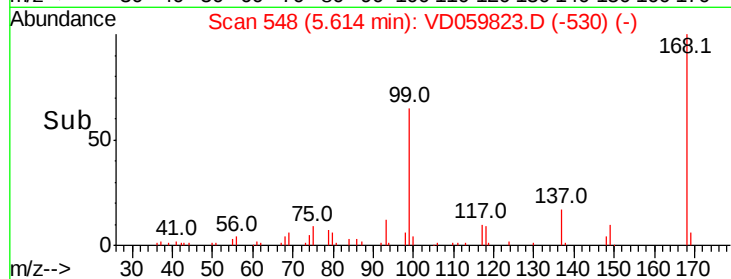
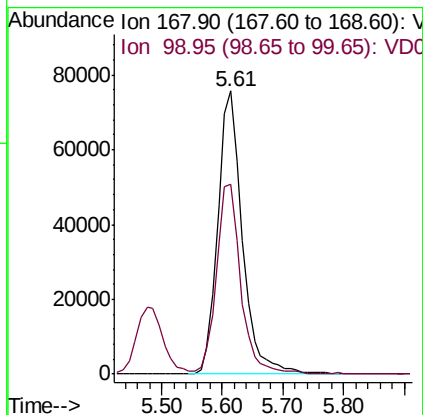
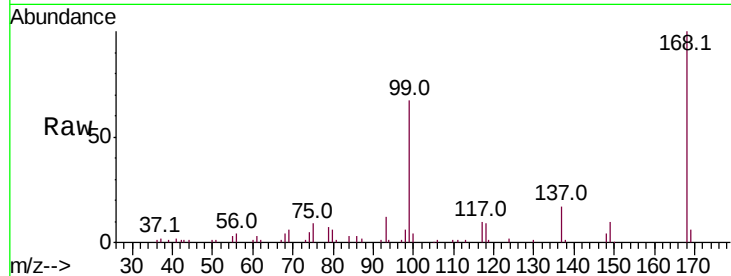


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 548
 Delta R.T. -0.03 min
 Lab File: VD059823.D
 Acq: 16 Aug 2018 21:06

Instrument :
 MSVOA_D
 ClientSampled :

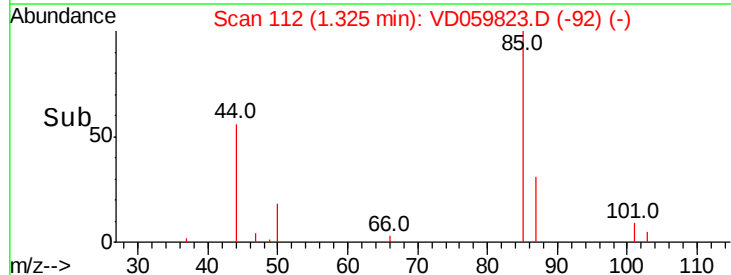
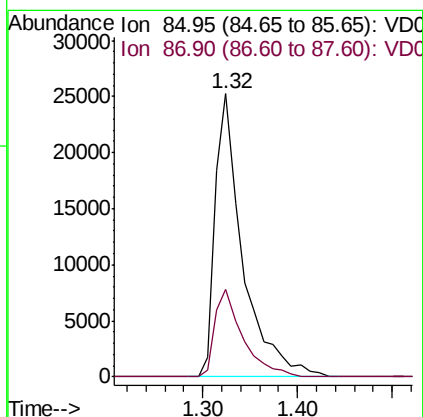
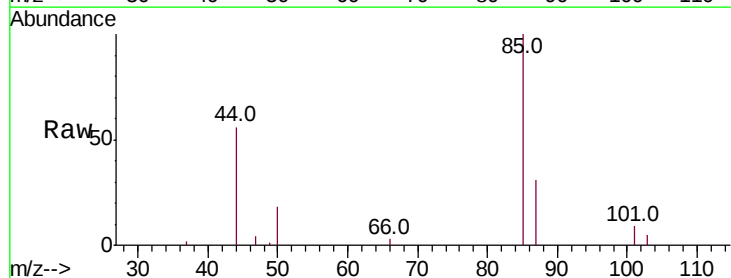
Tot Ion:168 Resp: 212999
 Ion Ratio Lower Upper
 168 100
 99 66.9 50.3 75.5

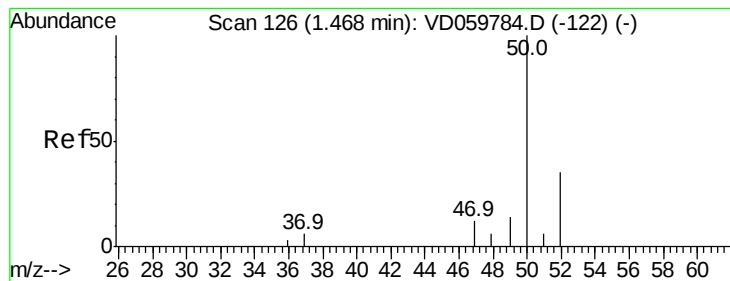


#2

Dichlorodifluoromethane
 Concen: 19.569 ug/l
 RT: 1.32 min Scan# 112
 Delta R.T. -0.01 min
 Lab File: VD059823.D
 Acq: 16 Aug 2018 21:06

Tgt Ion: 85 Resp: 50793
 Ion Ratio Lower Upper
 85 100
 87 31.1 15.7 47.1





#3

Chloromethane

Concen: 18.765 ug/l

RT: 1.46 min Scan# 126

Delta R.T. -0.01 min

Lab File: VD059823.D

Acq: 16 Aug 2018 21:06

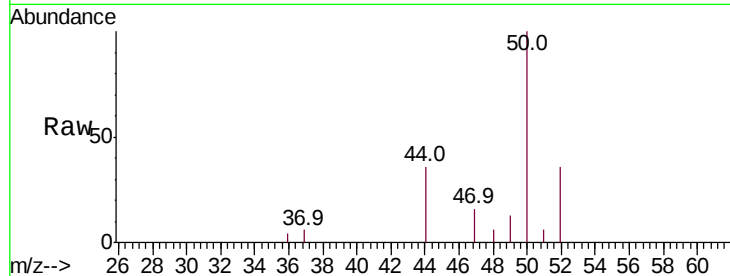
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 26737

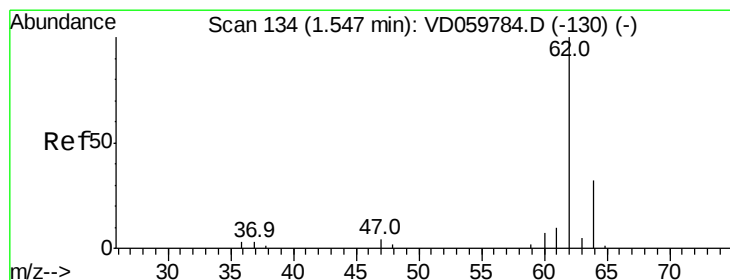
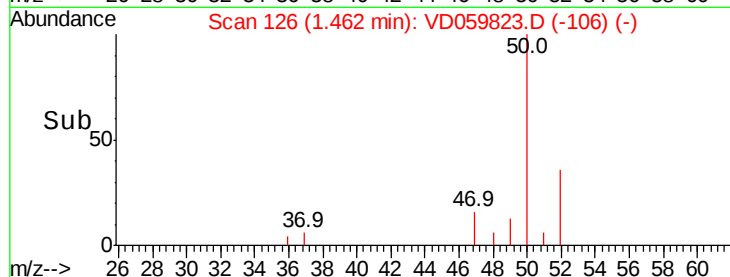
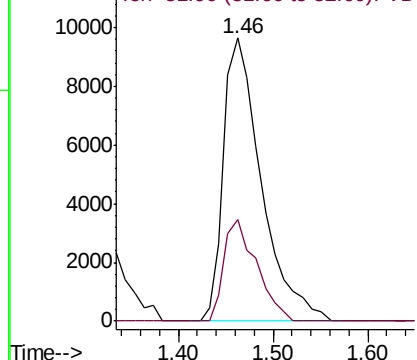
Ion Ratio Lower Upper

50 100

52 36.1 28.4 42.6



Abundance Ion 49.90 (49.60 to 50.60): VDC
Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.932 ug/l

RT: 1.53 min Scan# 133

Delta R.T. -0.02 min

Lab File: VD059823.D

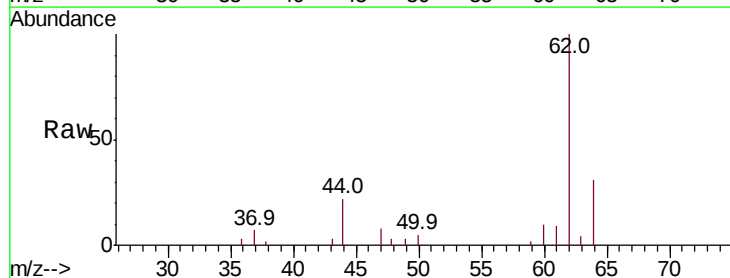
Acq: 16 Aug 2018 21:06

Tgt Ion: 62 Resp: 28574

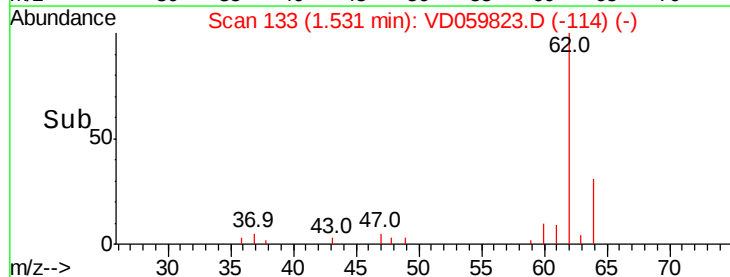
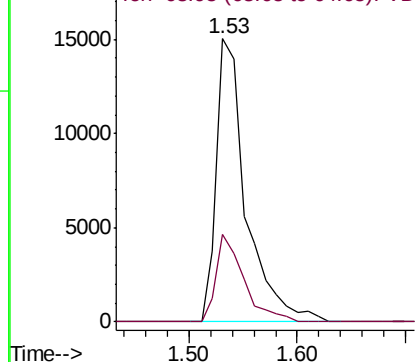
Ion Ratio Lower Upper

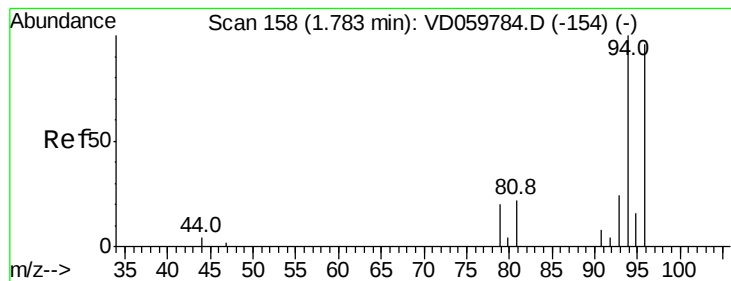
62 100

64 30.8 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.623 ug/l

RT: 1.77 min Scan# 157

Delta R.T. -0.02 min

Lab File: VD059823.D

Acq: 16 Aug 2018 21:06

Instrument :

MSVOA_D

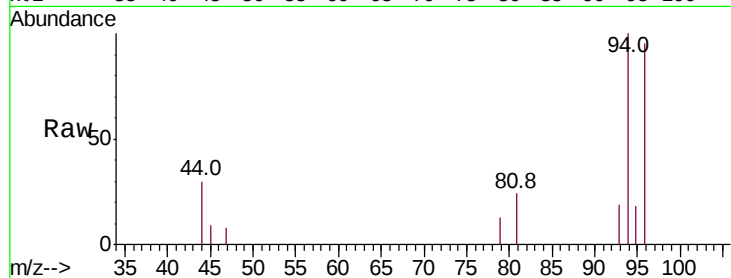
ClientSampleId :

Tot Ion: 94 Resp: 7988

Ion Ratio Lower Upper

94 100

96 95.5 76.7 115.1



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

1.77

4000

3000

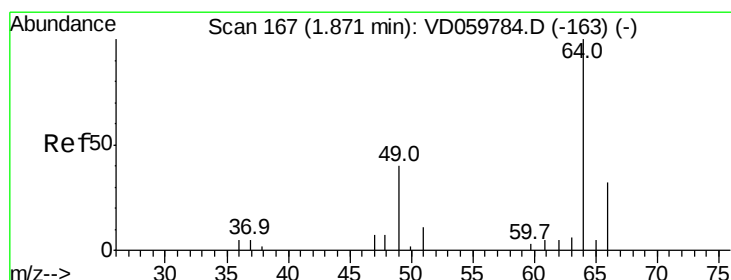
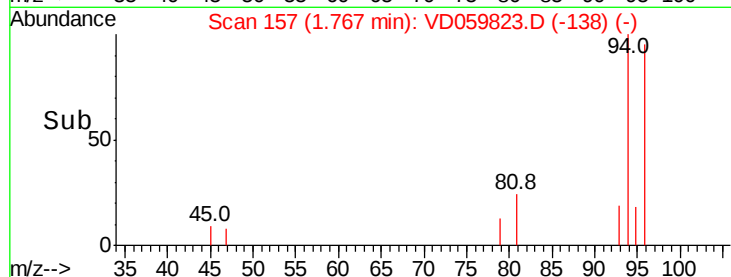
2000

1000

0

Time-->

1.70 1.75 1.80 1.85 1.90



#6

Chloroethane

Concen: 17.517 ug/l

RT: 1.86 min Scan# 166

Delta R.T. -0.02 min

Lab File: VD059823.D

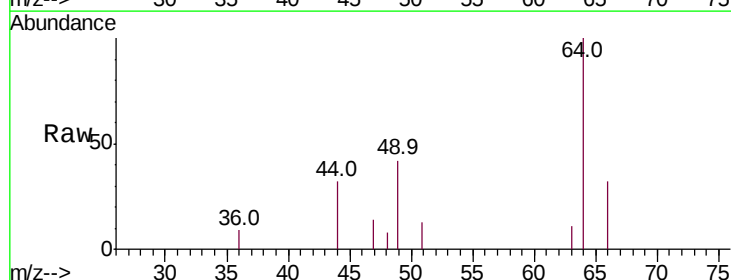
Acq: 16 Aug 2018 21:06

Tgt Ion: 64 Resp: 11027

Ion Ratio Lower Upper

64 100

66 31.7 25.4 38.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

1.86

5000

4000

3000

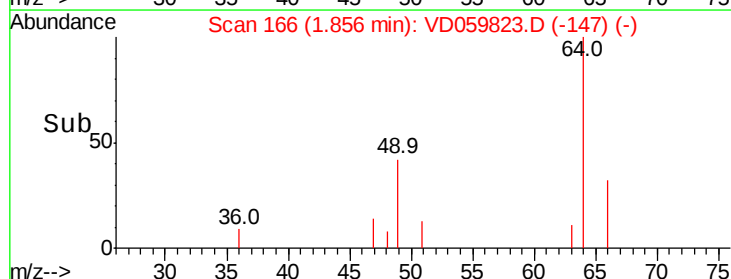
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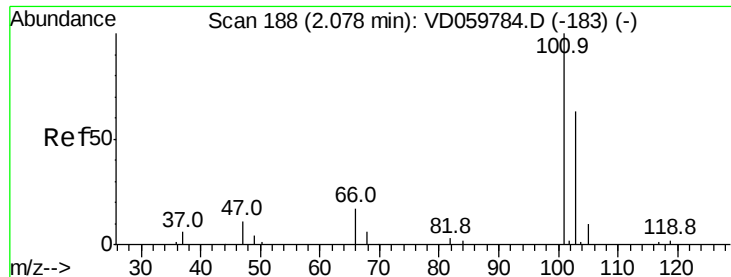
1000

0

Time-->

1.80 1.85 1.90 1.95



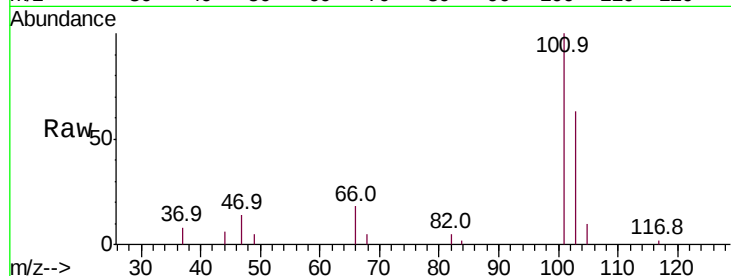


#7

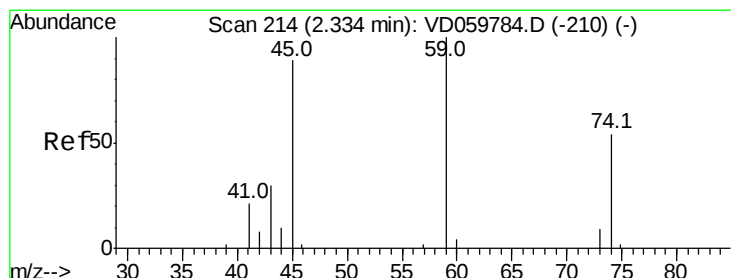
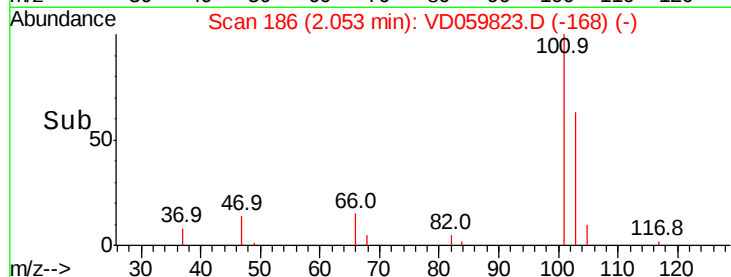
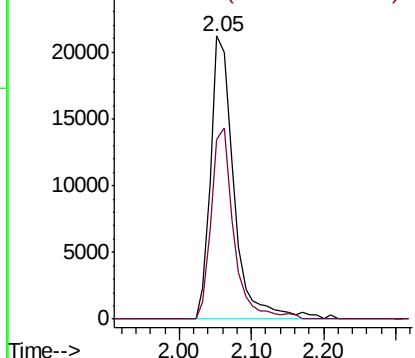
Trichlorofluoromethane
 Concen: 20.005 ug/l
 RT: 2.05 min Scan# 186
 Delta R.T. -0.03 min
 Lab File: VD059823.D
 Acq: 16 Aug 2018 21:06

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:101 Resp: 47416
 Ion Ratio Lower Upper
 101 100
 103 63.3 50.4 75.6



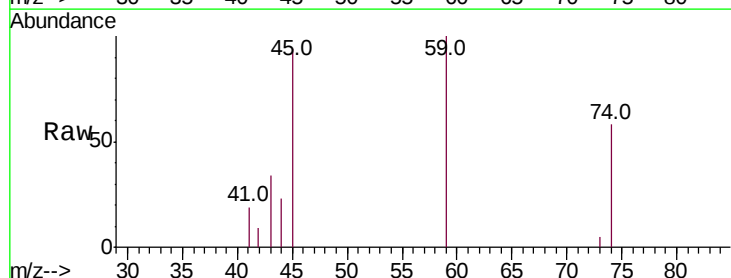
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



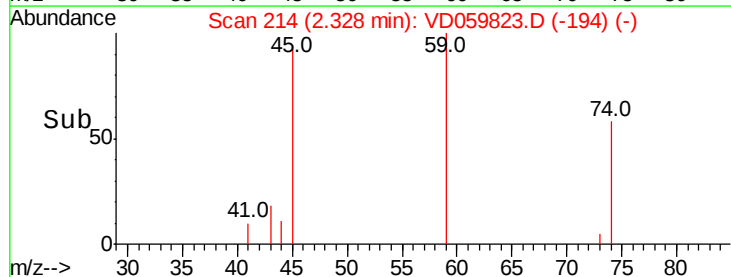
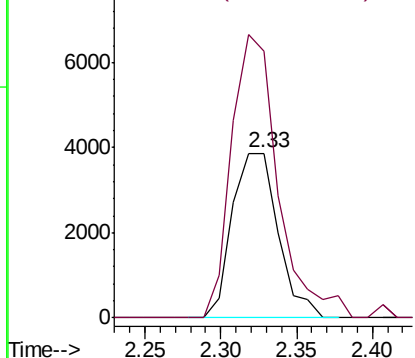
#8

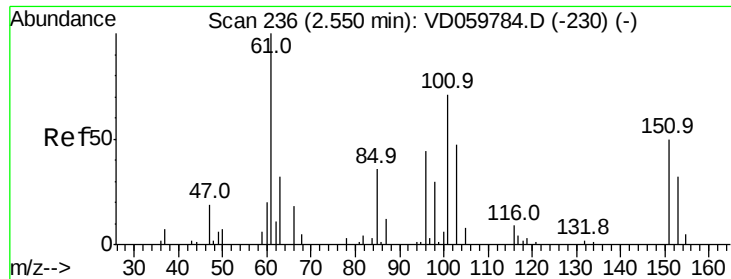
Diethyl Ether
 Concen: 17.956 ug/l
 RT: 2.33 min Scan# 214
 Delta R.T. -0.01 min
 Lab File: VD059823.D
 Acq: 16 Aug 2018 21:06

Tgt Ion: 74 Resp: 8188
 Ion Ratio Lower Upper
 74 100
 45 161.4 81.6 244.8



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.650 ug/l

RT: 2.52 min Scan# 234

Delta R.T. -0.03 min

Lab File: VD059823.D

Acq: 16 Aug 2018 21:06

Instrument :

MSVOA_D

ClientSampleId :

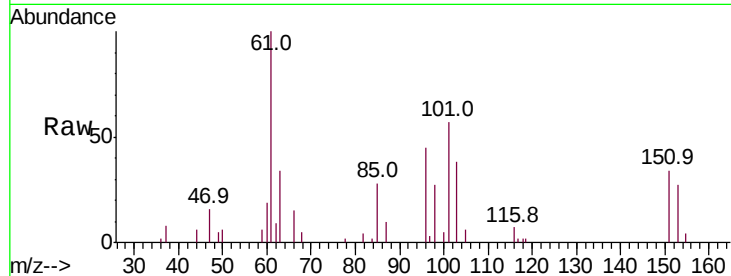
Tot Ion:101 Resp: 27448

Ion Ratio Lower Upper

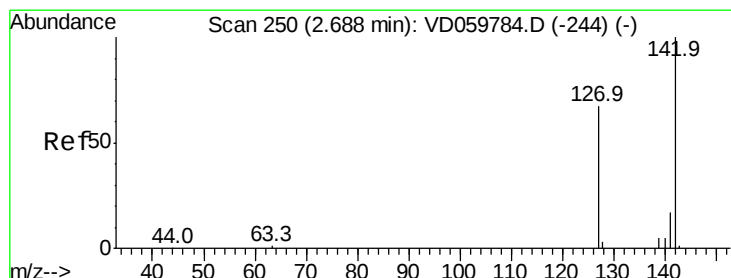
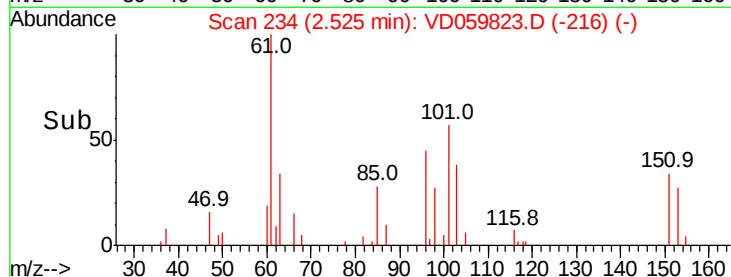
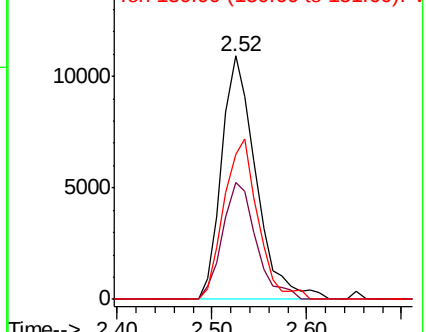
101 100

85 48.3 40.6 61.0

151 59.3 57.1 85.7



Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 15.836 ug/l

RT: 2.66 min Scan# 248

Delta R.T. -0.02 min

Lab File: VD059823.D

Acq: 16 Aug 2018 21:06

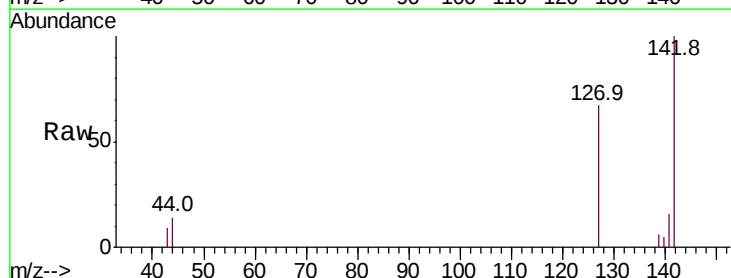
Tgt Ion:142 Resp: 21939

Ion Ratio Lower Upper

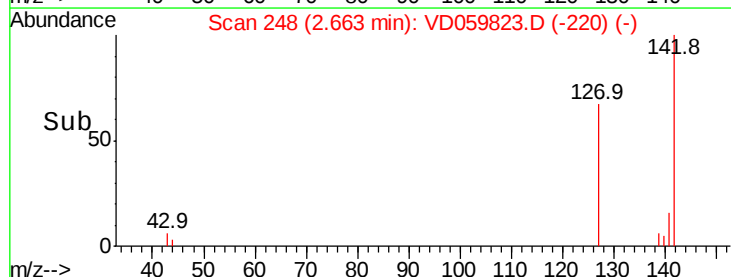
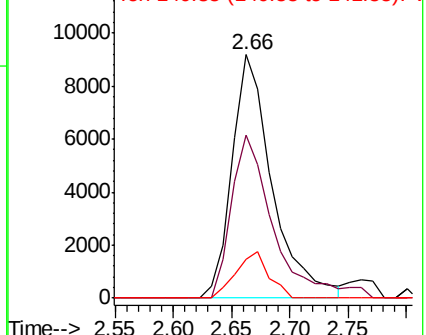
142 100

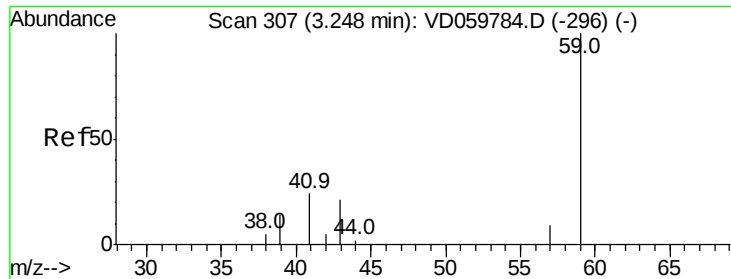
127 67.0 54.0 81.0

141 15.8 13.3 19.9



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

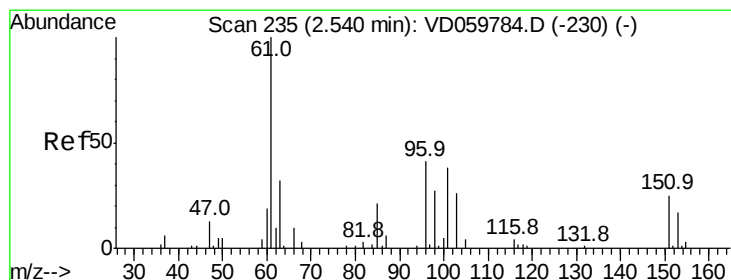
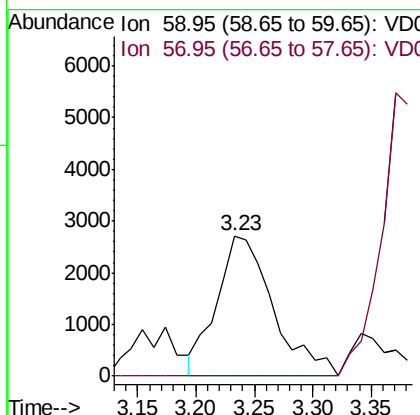
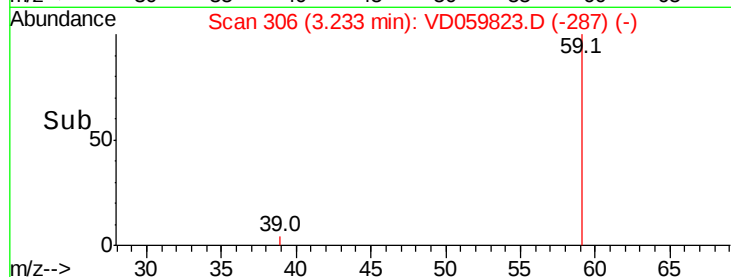
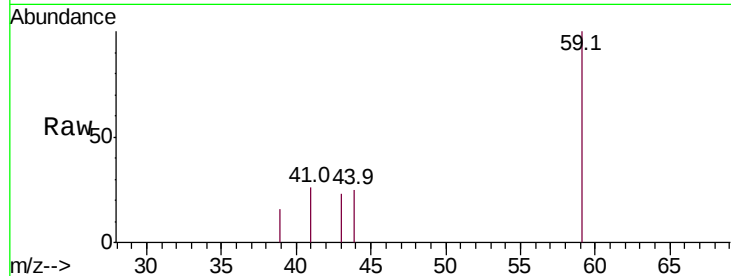




#11
Tert butyl alcohol
Concen: 93.756 ug/l
RT: 3.23 min Scan# 306
Delta R.T. -0.02 min
Lab File: VD059823.D
Acq: 16 Aug 2018 21:06

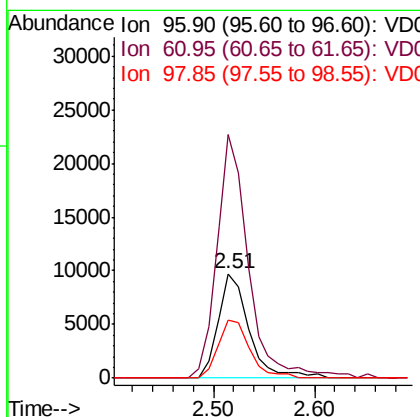
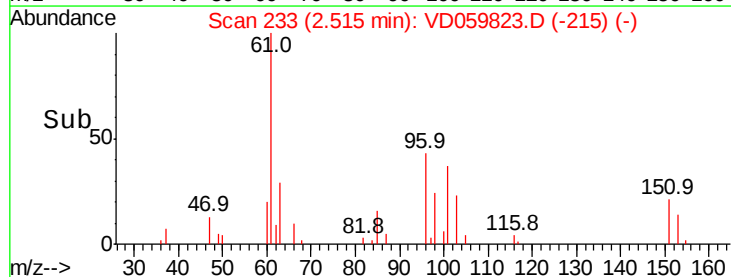
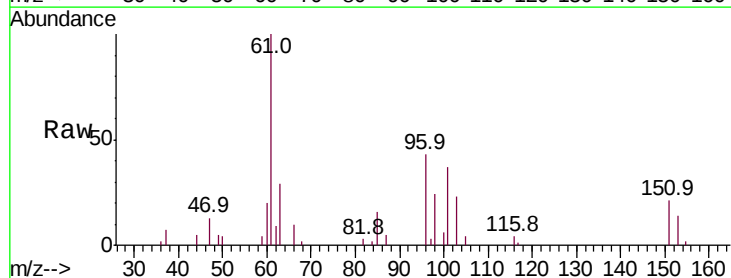
Instrument :
MSVOA_D
ClientSampled :

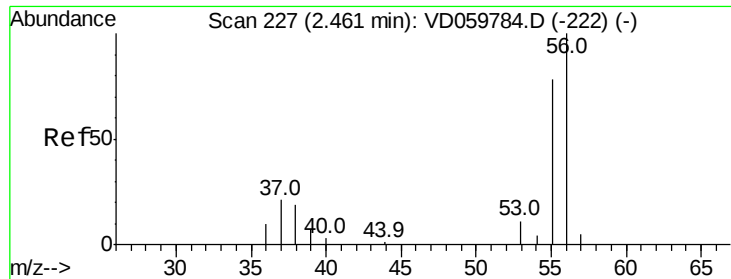
Tot Ion: 59 Resp: 9078
Ion Ratio Lower Upper
59 100
57 0.0 7.5 11.3#



#12
1,1-Dichloroethene
Concen: 21.588 ug/l
RT: 2.51 min Scan# 233
Delta R.T. -0.03 min
Lab File: VD059823.D
Acq: 16 Aug 2018 21:06

Tgt Ion: 96 Resp: 20747
Ion Ratio Lower Upper
96 100
61 233.2 194.1 291.1
98 55.1 52.3 78.5





#13

Acrolein

Concen: 82.264 ug/l

RT: 2.45 min Scan# 226

Delta R.T. -0.01 min

Lab File: VD059823.D

Acq: 16 Aug 2018 21:06

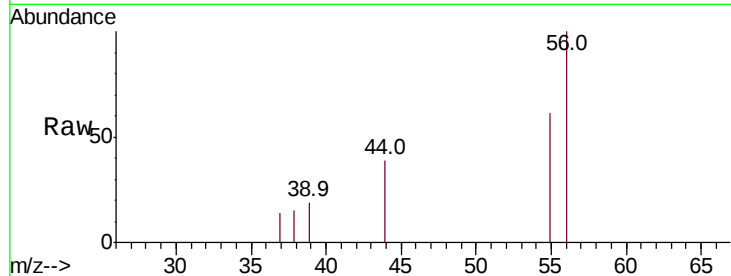
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 6082

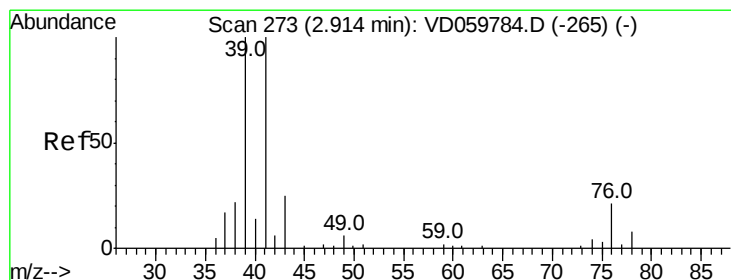
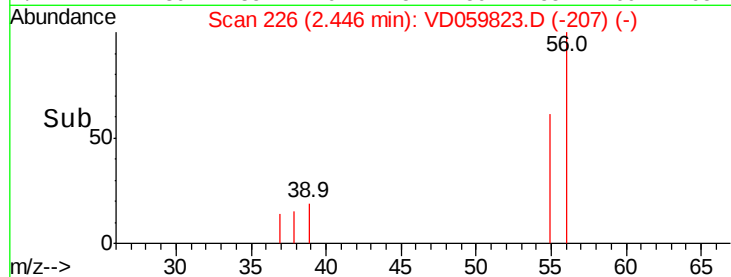
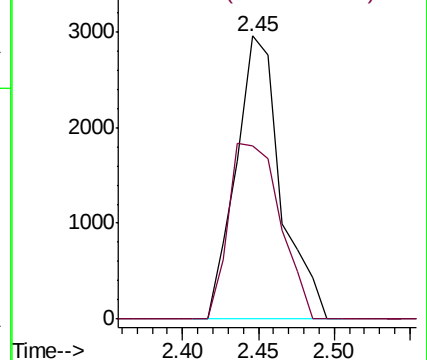
Ion Ratio Lower Upper

56 100

55 61.4 62.2 93.2#



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.073 ug/l

RT: 2.89 min Scan# 271

Delta R.T. -0.03 min

Lab File: VD059823.D

Acq: 16 Aug 2018 21:06

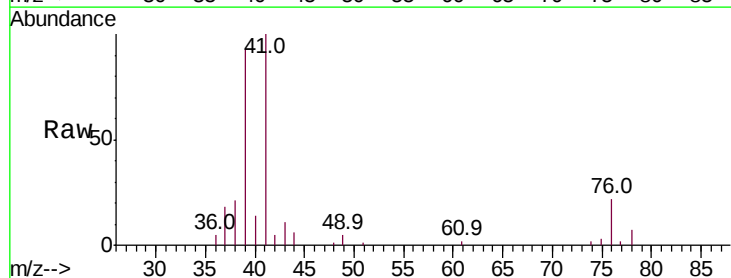
Tgt Ion: 41 Resp: 48474

Ion Ratio Lower Upper

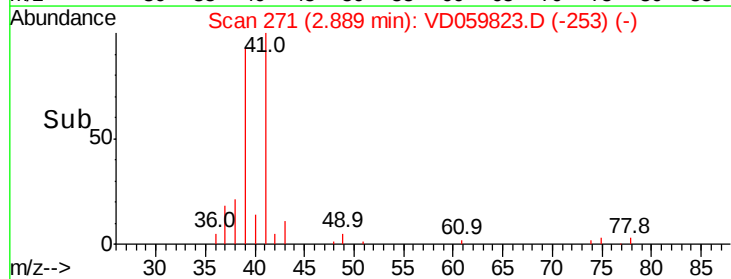
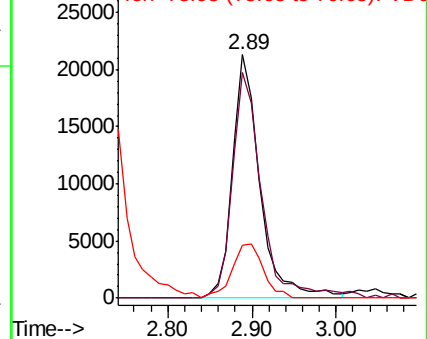
41 100

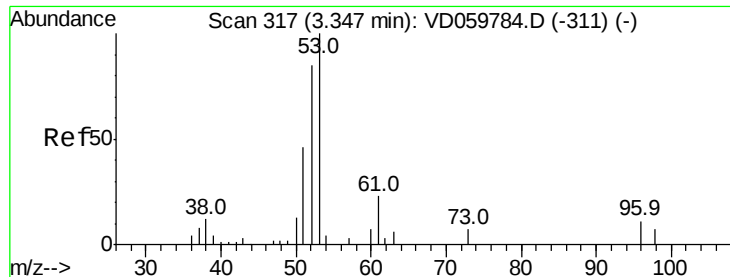
39 92.7 79.8 119.6

76 21.6 20.4 30.6



Abundance Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 78.857 ug/l

RT: 3.32 min Scan# 315

Delta R.T. -0.03 min

Lab File: VD059823.D

Acq: 16 Aug 2018 21:06

Instrument :
MSVOA_D
ClientSampled :

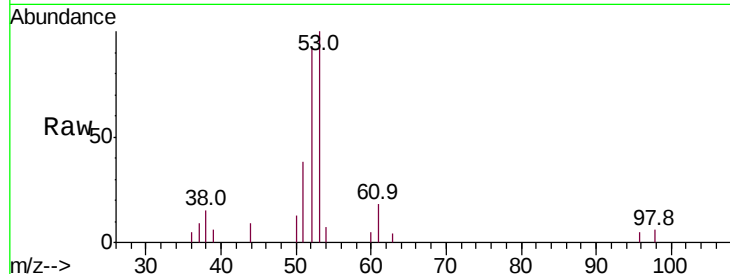
Tot Ion: 53 Resp: 26750

Ion Ratio Lower Upper

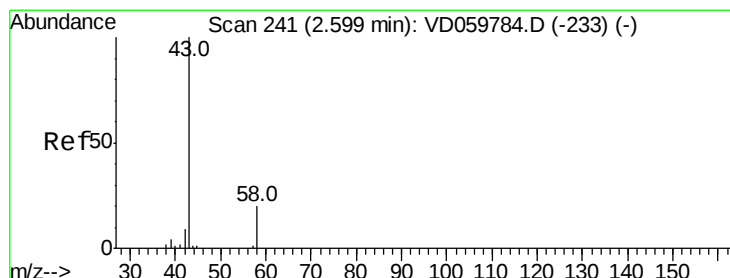
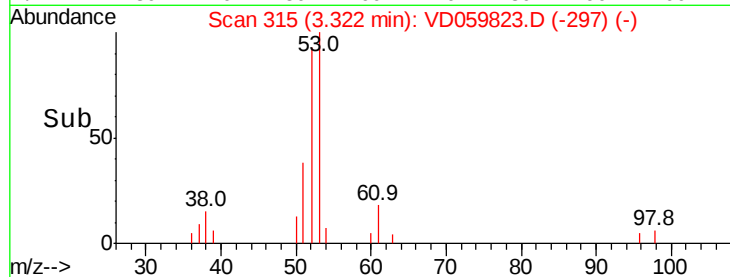
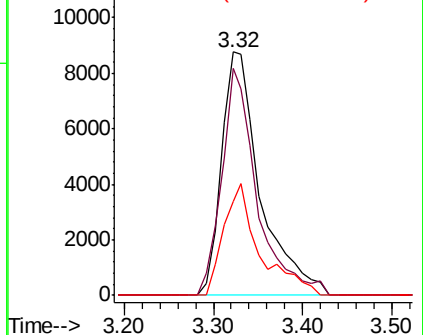
53 100

52 93.3 68.2 102.2

51 38.3 36.6 54.8



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 86.417 ug/l

RT: 2.58 min Scan# 240

Delta R.T. -0.02 min

Lab File: VD059823.D

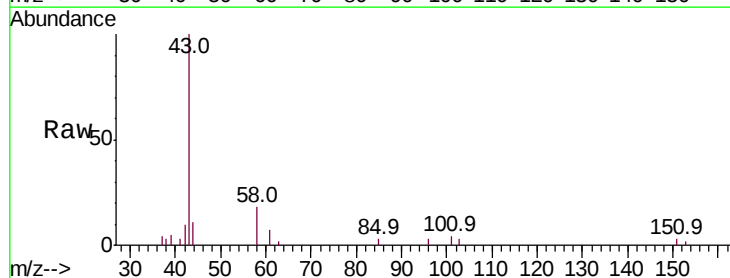
Acq: 16 Aug 2018 21:06

Tgt Ion: 43 Resp: 37323

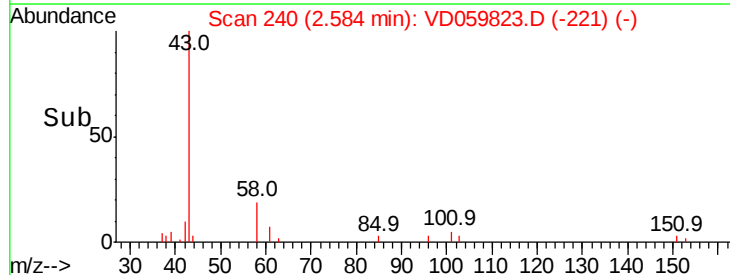
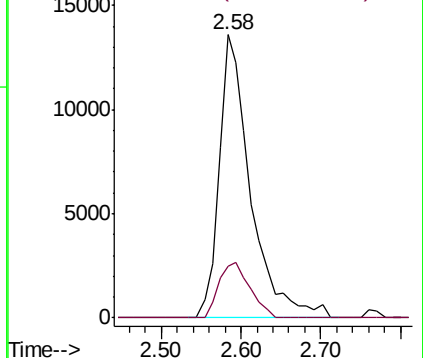
Ion Ratio Lower Upper

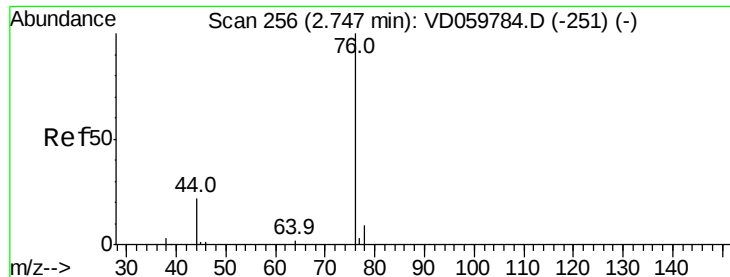
43 100

58 18.4 15.7 23.5



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

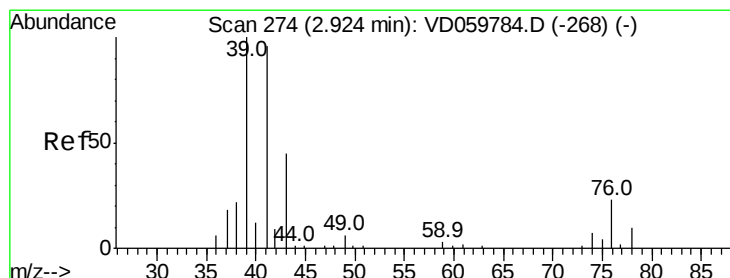
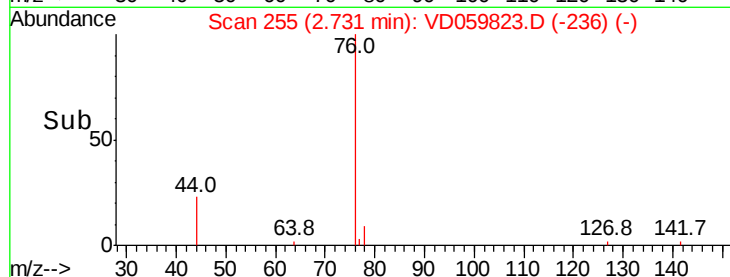
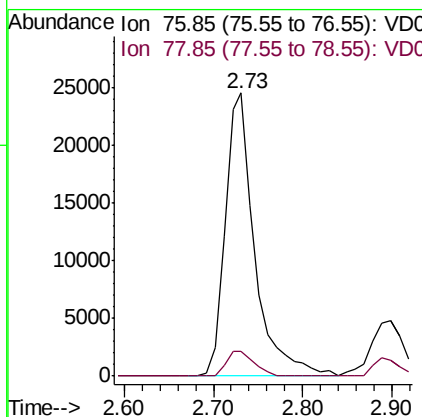
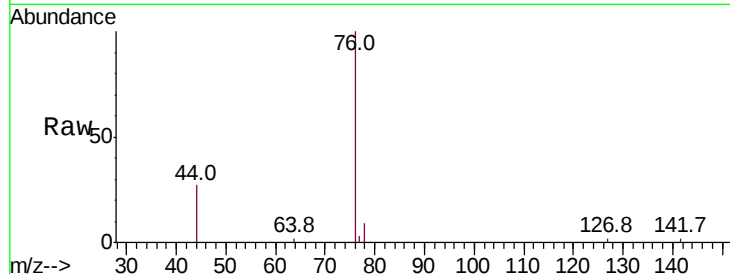




#17
Carbon Disulfide
Concen: 17.628 ug/l
RT: 2.73 min Scan# 255
Delta R.T. -0.02 min
Lab File: VD059823.D
Acq: 16 Aug 2018 21:06

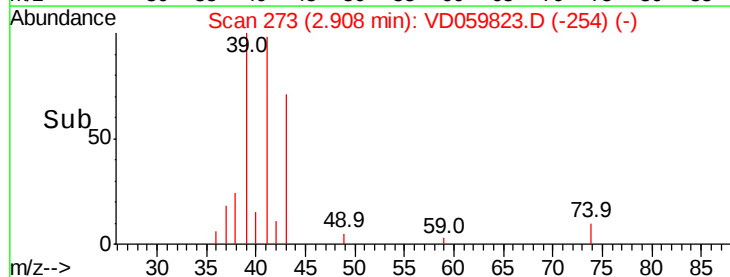
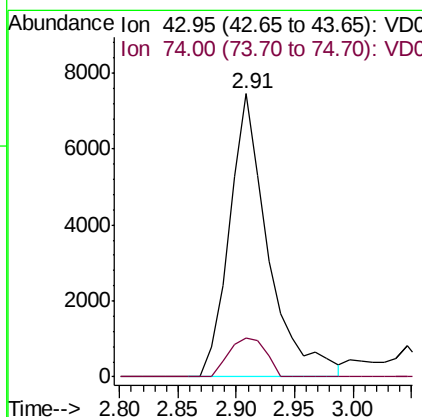
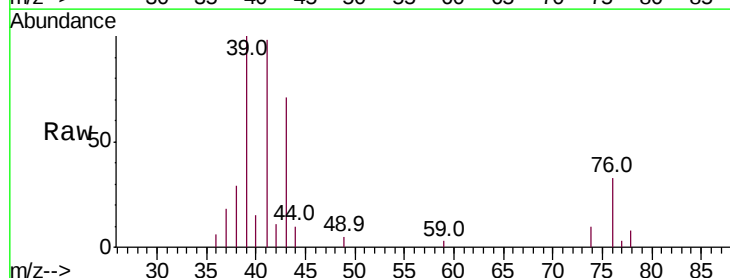
Instrument :
MSVOA_D
ClientSampled :

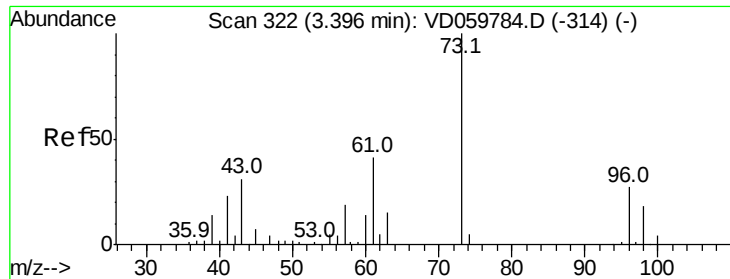
Tot Ion: 76 Resp: 56773
Ion Ratio Lower Upper
76 100
78 8.7 6.9 10.3



#18
Methyl Acetate
Concen: 18.554 ug/l
RT: 2.91 min Scan# 273
Delta R.T. -0.02 min
Lab File: VD059823.D
Acq: 16 Aug 2018 21:06

Tgt Ion: 43 Resp: 17126
Ion Ratio Lower Upper
43 100
74 13.7 12.4 18.6

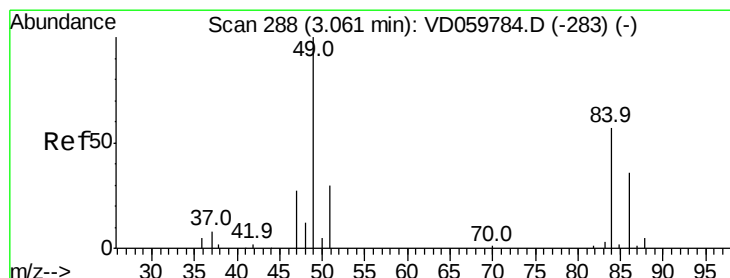
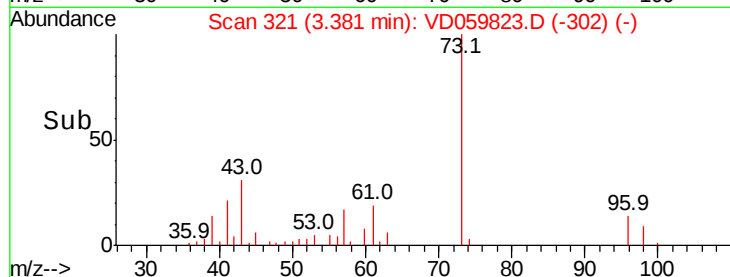
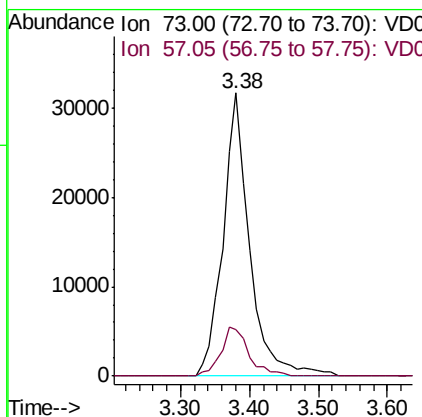
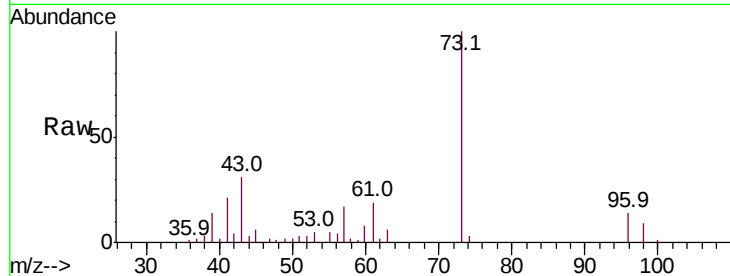




#19
Methvl tert-butvl Ether
Concen: 17.960 ug/l
RT: 3.38 min Scan# 321
Delta R.T. -0.02 min
Lab File: VD059823.D
Acq: 16 Aug 2018 21:06

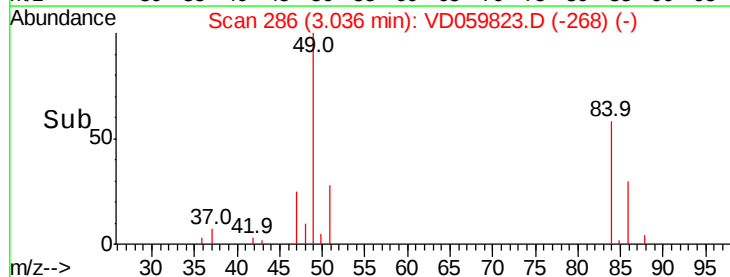
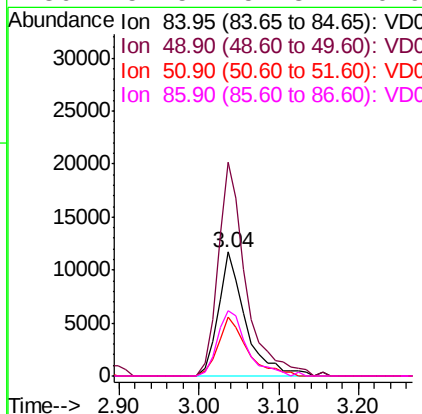
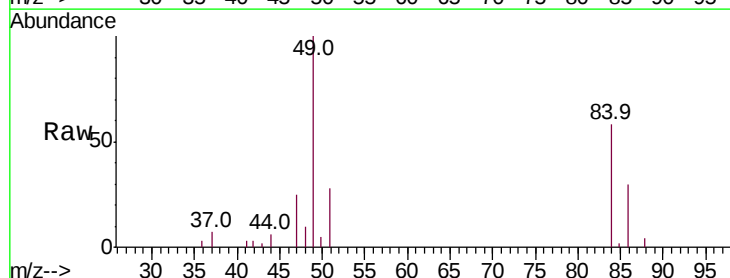
Instrument :
MSVOA_D
ClientSampleId :

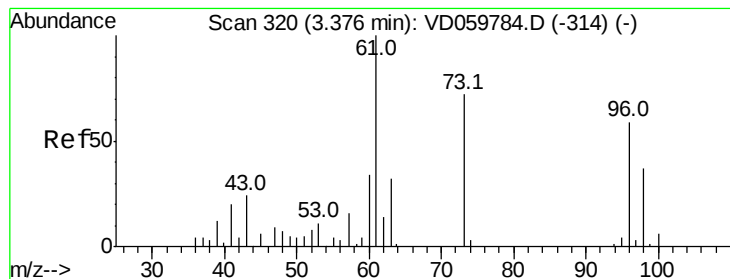
Tot Ion: 73 Resp: 84247
Ion Ratio Lower Upper
73 100
57 16.6 14.8 22.2



#20
Methylene Chloride
Concen: 22.288 ug/l
RT: 3.04 min Scan# 286
Delta R.T. -0.02 min
Lab File: VD059823.D
Acq: 16 Aug 2018 21:06

Tgt Ion: 84 Resp: 28090
Ion Ratio Lower Upper
84 100
49 172.7 140.9 211.3
51 48.0 42.8 64.2
86 52.5 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 13.669 ug/l

RT: 3.35 min Scan# 318

Delta R.T. -0.03 min

Lab File: VD059823.D

Acq: 16 Aug 2018 21:06

Instrument :

MSVOA_D

ClientSampled :

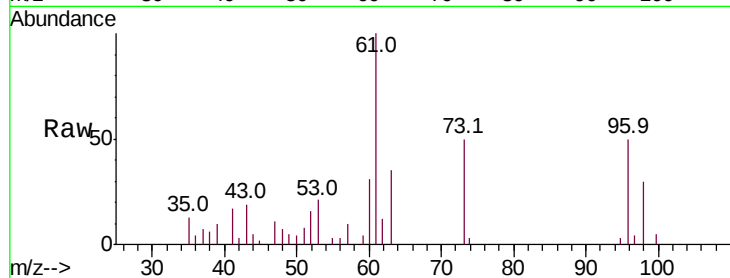
Tot Ion: 96 Resp: 25885

Ion Ratio Lower Upper

96 100

61 199.1 134.8 202.2

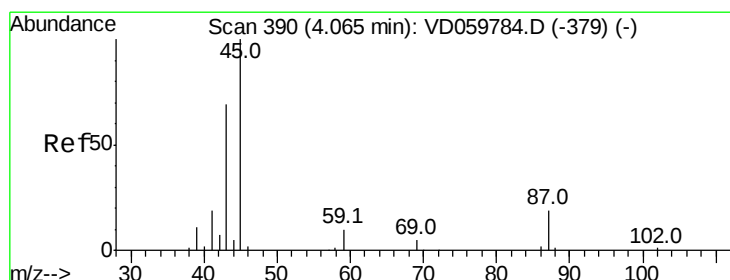
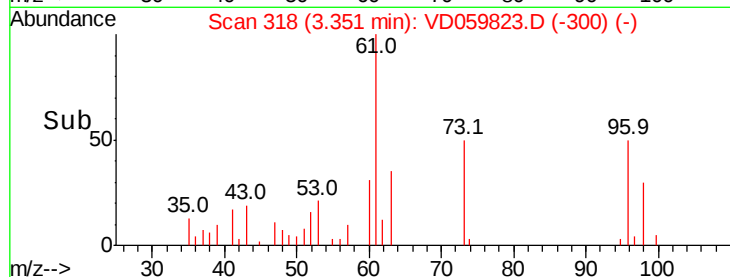
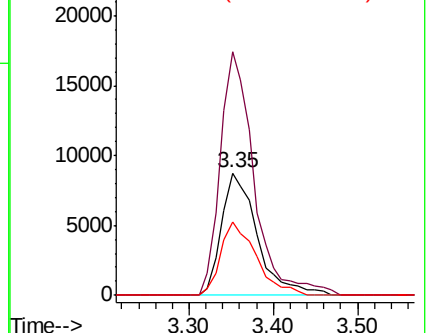
98 60.0 50.0 75.0



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 17.558 ug/l

RT: 4.03 min Scan# 387

Delta R.T. -0.04 min

Lab File: VD059823.D

Acq: 16 Aug 2018 21:06

Tgt Ion: 45 Resp: 114388

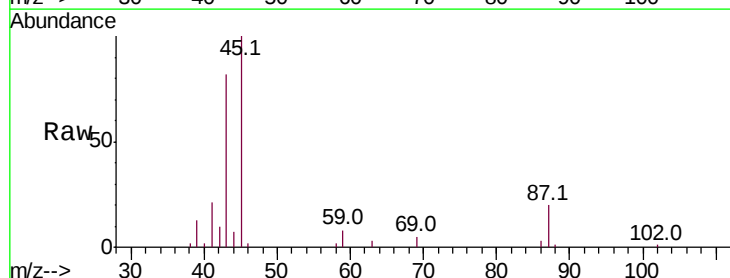
Ion Ratio Lower Upper

45 100

43 82.0 57.5 86.3

87 20.0 16.1 24.1

59 7.9 8.4 12.6#

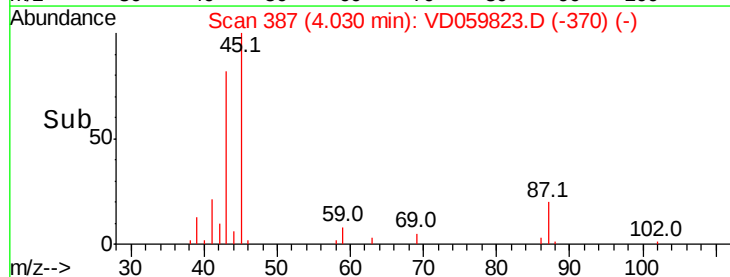
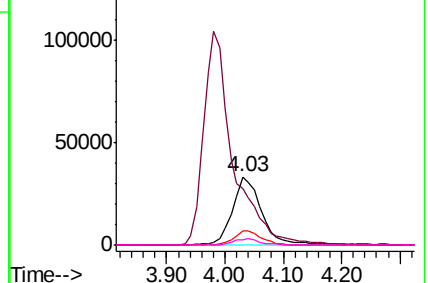


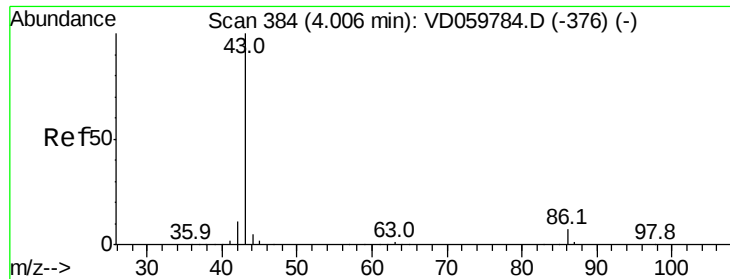
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC

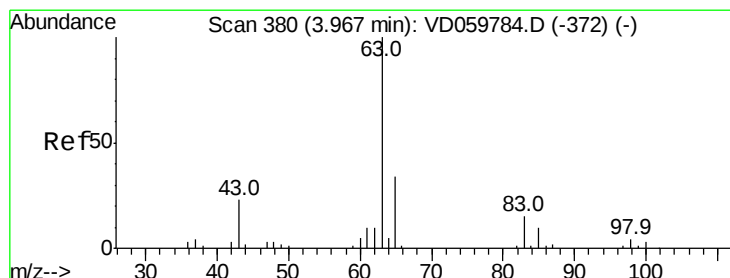
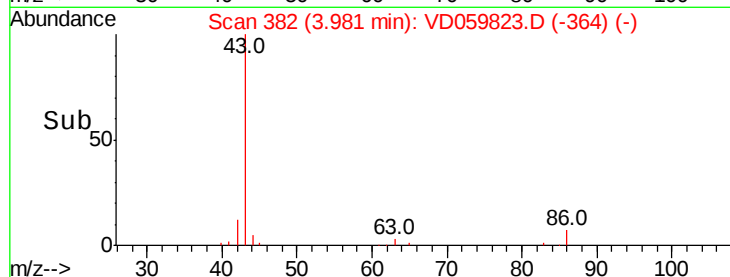
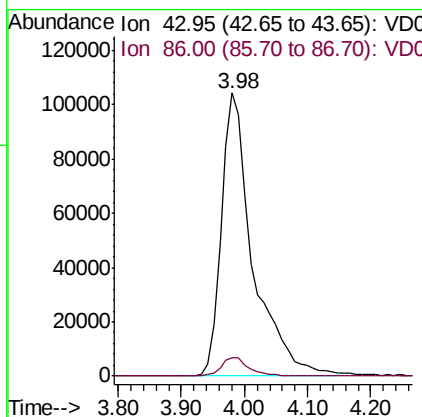
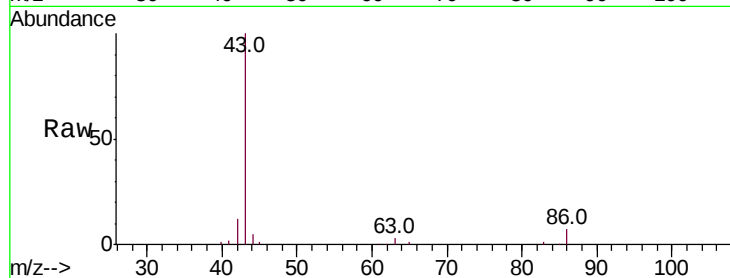




#23
 Vinyl Acetate
 Concen: 98.138 ug/l
 RT: 3.98 min Scan# 382
 Delta R.T. -0.03 min
 Lab File: VD059823.D
 Acq: 16 Aug 2018 21:06

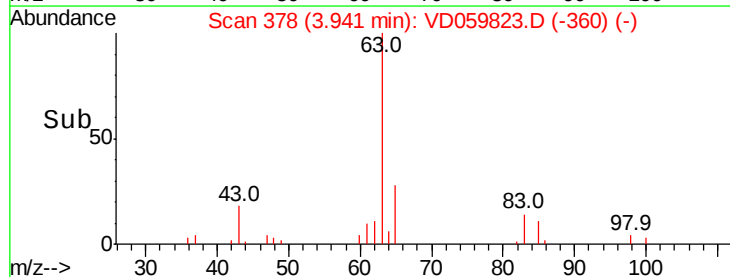
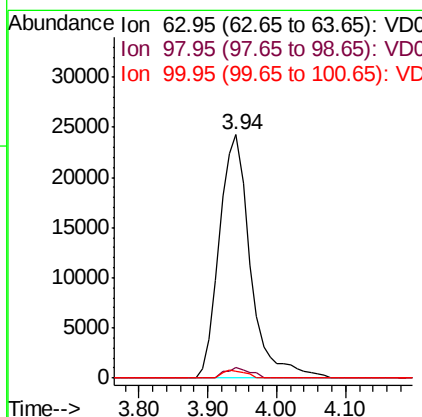
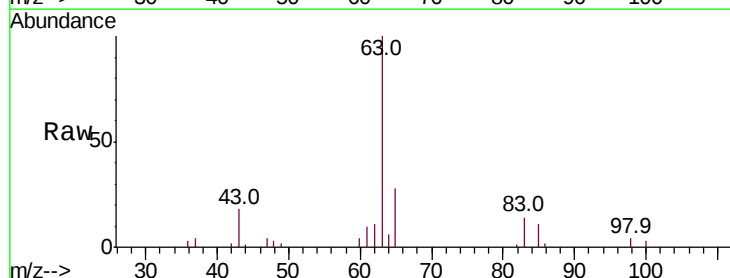
Instrument :
 MSVOA_D
 ClientSampleId :

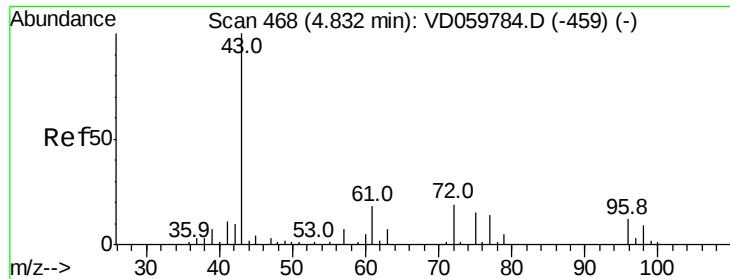
Tot Ion: 43 Resp: 362083
 Ion Ratio Lower Upper
 43 100
 86 6.6 5.4 8.0



#24
 1,1-Dichloroethane
 Concen: 19.635 ug/l
 RT: 3.94 min Scan# 378
 Delta R.T. -0.03 min
 Lab File: VD059823.D
 Acq: 16 Aug 2018 21:06

Tgt Ion: 63 Resp: 75887
 Ion Ratio Lower Upper
 63 100
 98 4.5 2.2 6.6
 100 3.0 1.6 4.7





#25

2-Butanone

Concen: 79.380 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.04 min

Lab File: VD059823.D

Acq: 16 Aug 2018 21:06

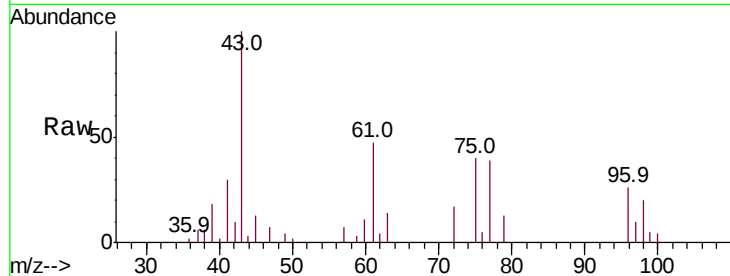
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 52472

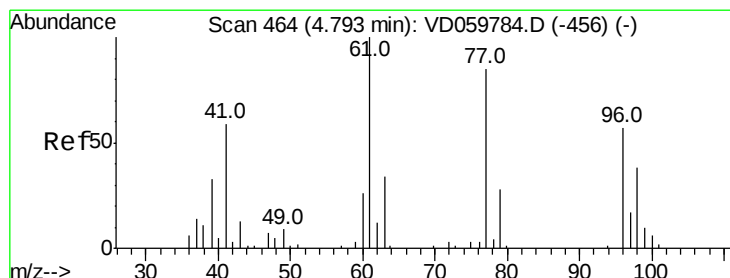
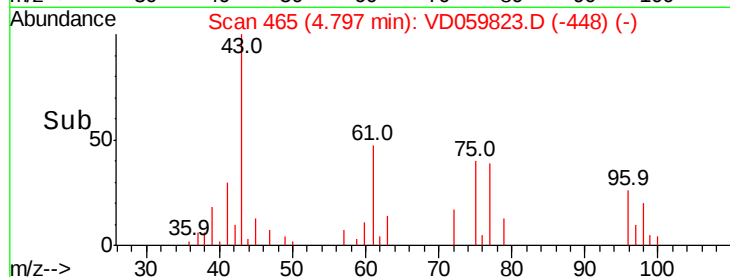
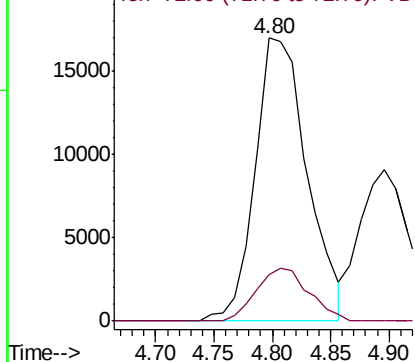
Ion Ratio Lower Upper

43 100

72 16.7 14.9 22.3



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.471 ug/l

RT: 4.77 min Scan# 462

Delta R.T. -0.03 min

Lab File: VD059823.D

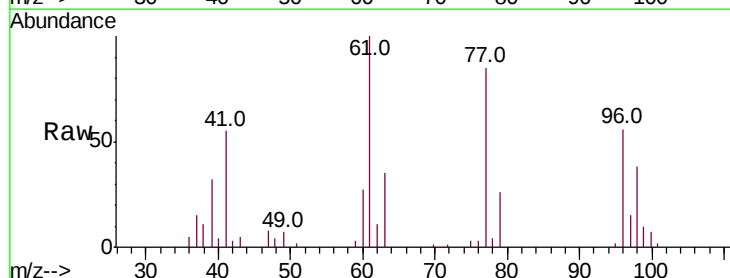
Acq: 16 Aug 2018 21:06

Tgt Ion: 77 Resp: 75881

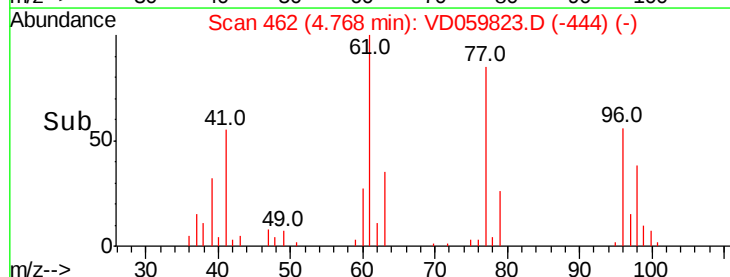
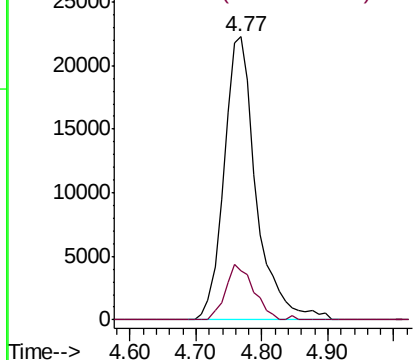
Ion Ratio Lower Upper

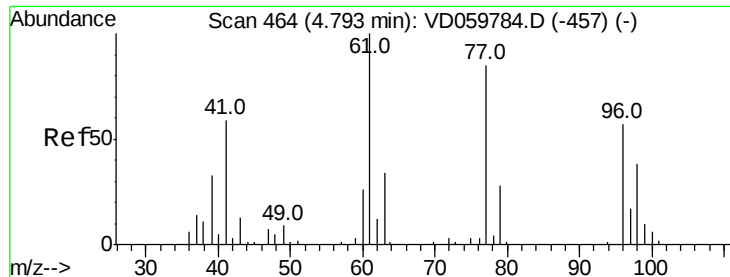
77 100

97 17.2 10.3 30.8



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



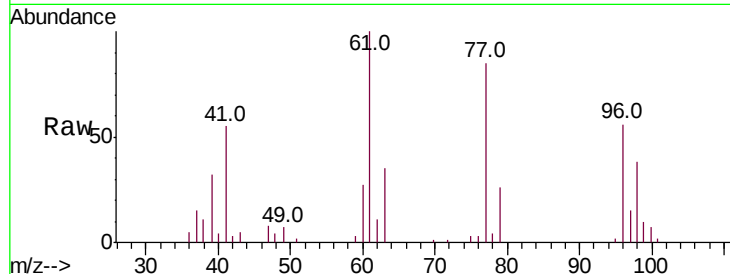


#27

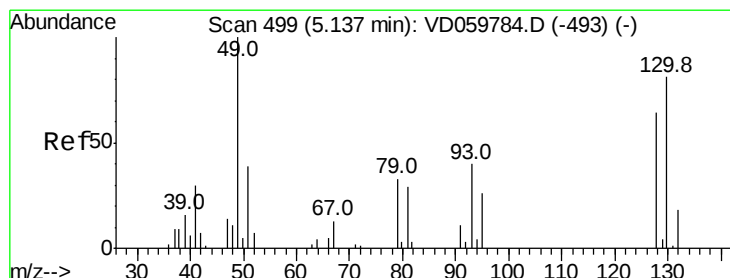
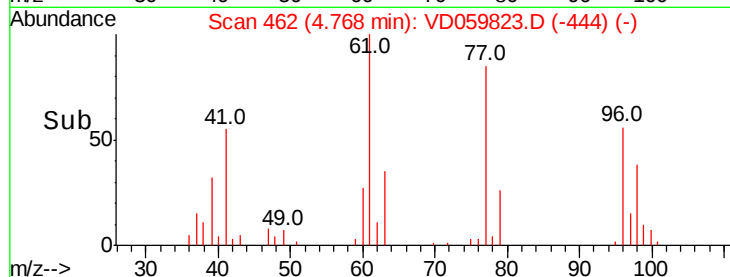
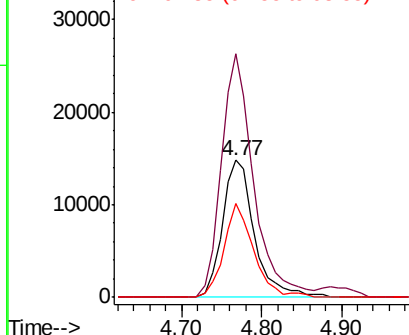
cis-1,2-Dichloroethene
 Concen: 20.106 ug/l
 RT: 4.77 min Scan# 462
 Delta R.T. -0.03 min
 Lab File: VD059823.D
 Acq: 16 Aug 2018 21:06

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 96 Resp: 41717
 Ion Ratio Lower Upper
 96 100
 61 177.9 0.0 351.6
 98 68.3 0.0 135.2



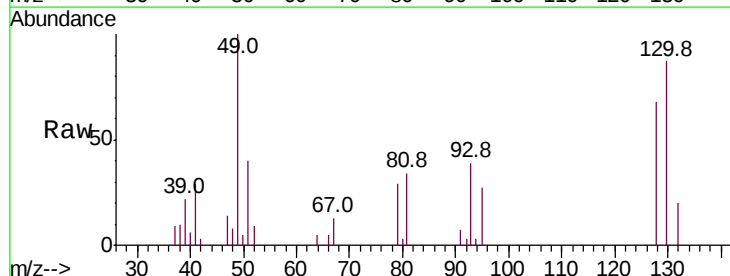
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



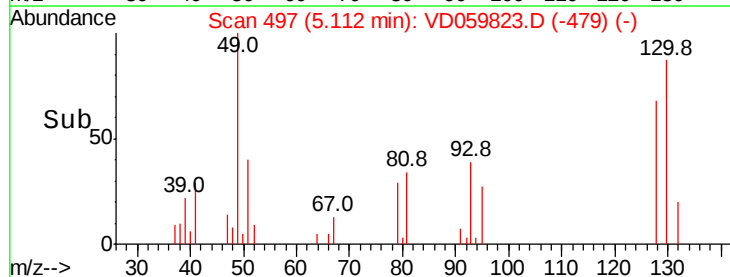
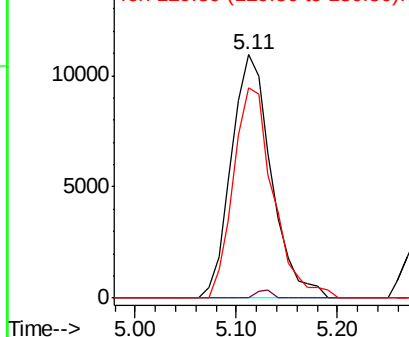
#28

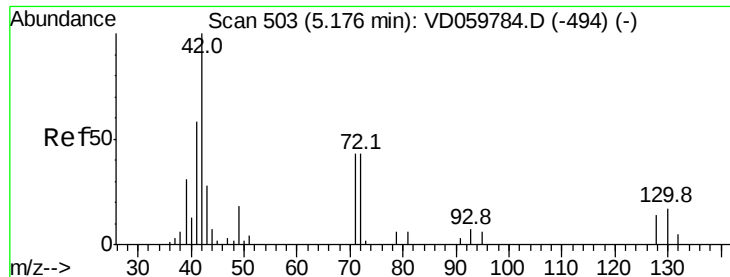
Bromochloromethane
 Concen: 19.952 ug/l
 RT: 5.11 min Scan# 497
 Delta R.T. -0.03 min
 Lab File: VD059823.D
 Acq: 16 Aug 2018 21:06

Tgt Ion: 49 Resp: 30257
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 7.0
 130 86.5 64.8 97.2



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

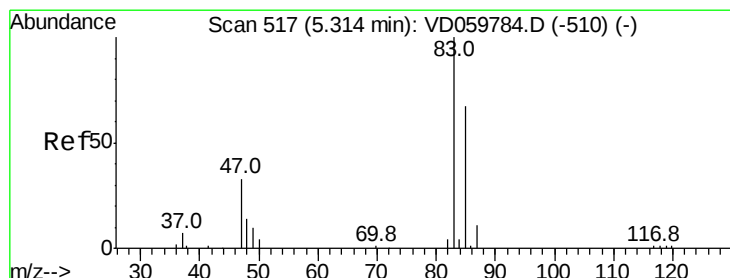
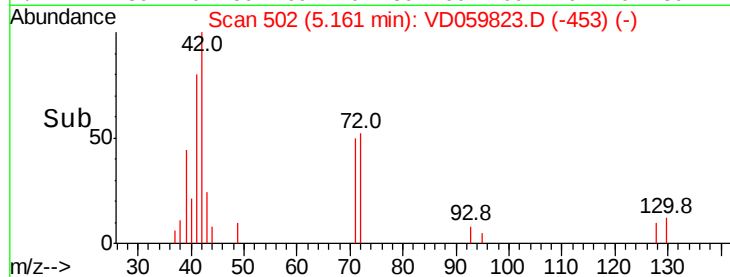
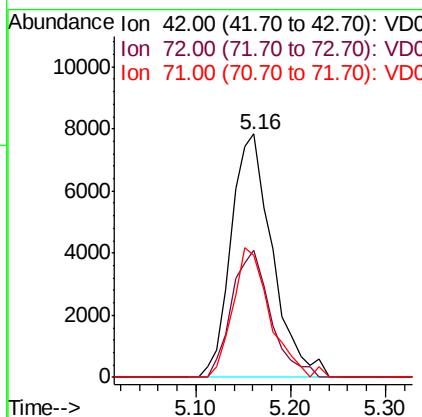
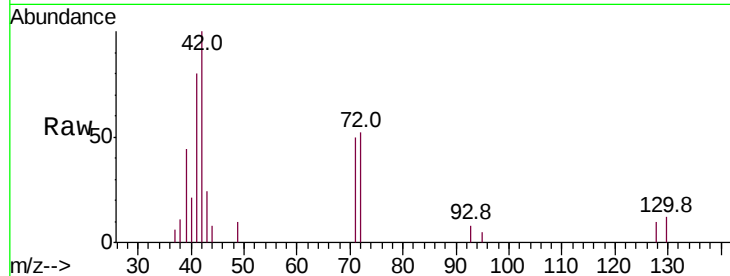




#29
Tetrahydrofuran
Concen: 83.747 ug/l
RT: 5.16 min Scan# 502
Delta R.T. -0.02 min
Lab File: VD059823.D
Acq: 16 Aug 2018 21:06

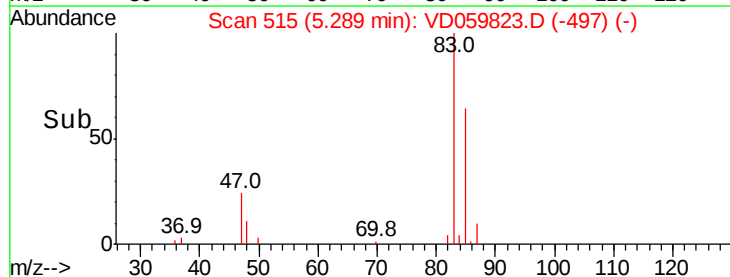
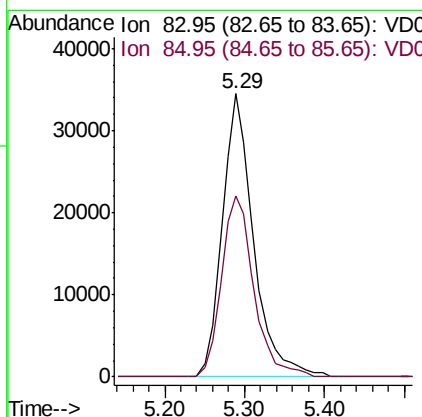
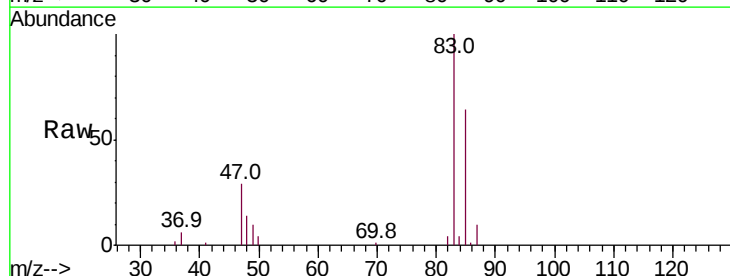
Instrument :
MSVOA_D
ClientSampleId :

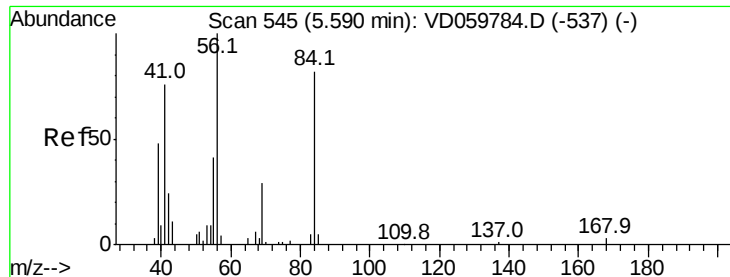
Tot Ion: 42 Resp: 23619
Ion Ratio Lower Upper
42 100
72 49.3 34.3 51.5
71 48.0 33.0 49.6



#30
Chloroform
Concen: 20.344 ug/l
RT: 5.29 min Scan# 515
Delta R.T. -0.03 min
Lab File: VD059823.D
Acq: 16 Aug 2018 21:06

Tgt Ion: 83 Resp: 94412
Ion Ratio Lower Upper
83 100
85 64.2 53.4 80.2

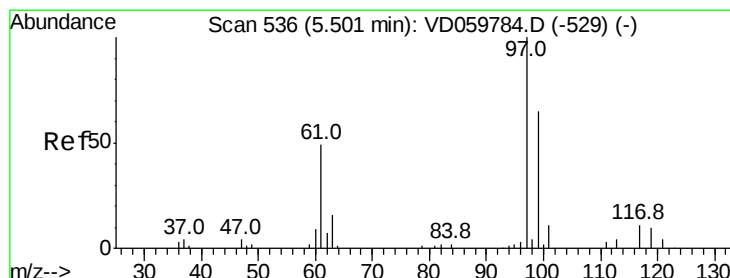
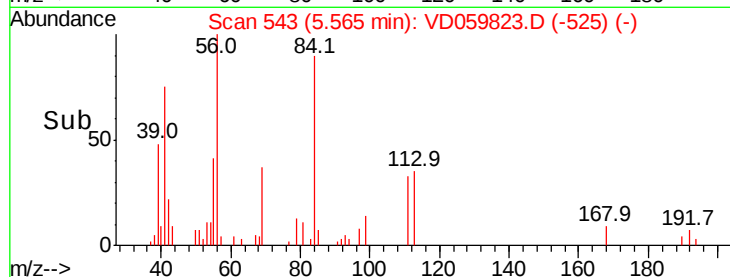
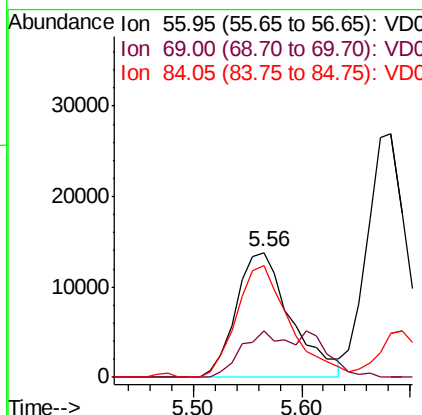
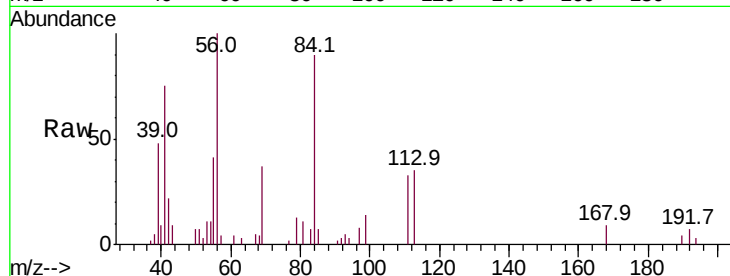




#31
Cyclohexane
Concen: 17.502 ug/l
RT: 5.56 min Scan# 543
Delta R.T. -0.03 min
Lab File: VD059823.D
Acq: 16 Aug 2018 21:06

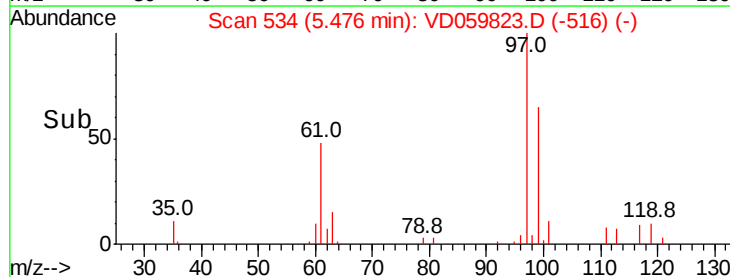
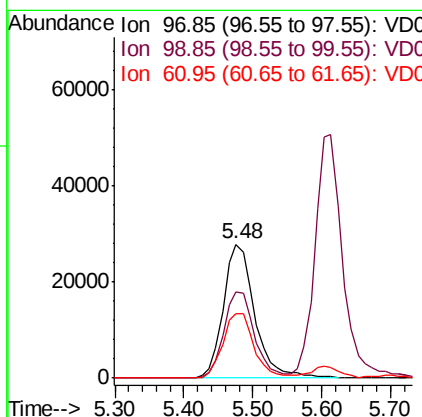
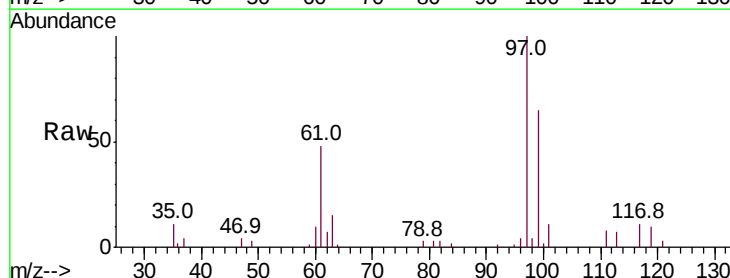
Instrument :
MSVOA_D
ClientSampleId :

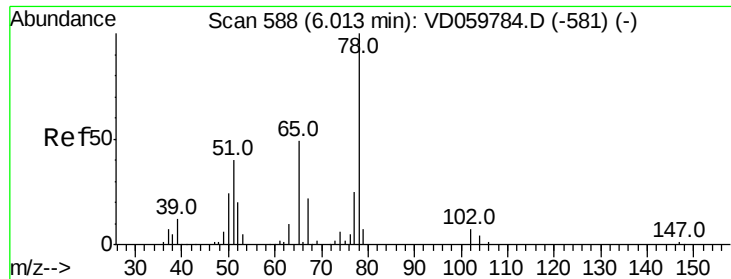
Tot Ion: 56 Resp: 48649
Ion Ratio Lower Upper
56 100
69 37.5 23.4 35.2#
84 89.8 65.4 98.2



#32
1,1,1-Trichloroethane
Concen: 21.457 ug/l
RT: 5.48 min Scan# 534
Delta R.T. -0.03 min
Lab File: VD059823.D
Acq: 16 Aug 2018 21:06

Tgt Ion: 97 Resp: 87552
Ion Ratio Lower Upper
97 100
99 64.9 52.2 78.2
61 47.7 39.6 59.4

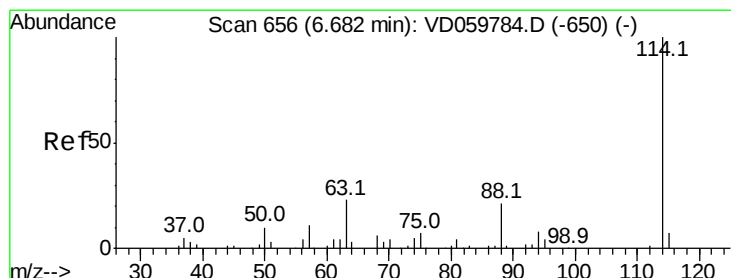
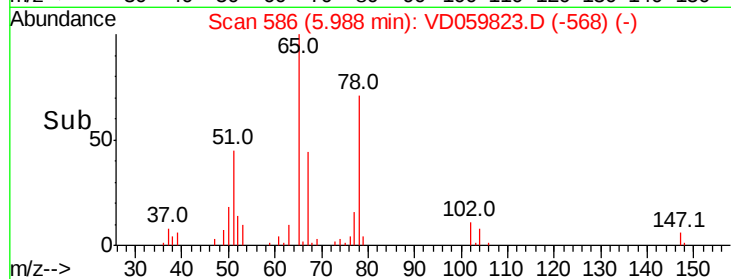
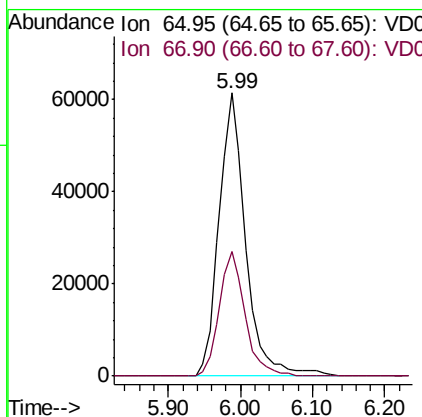
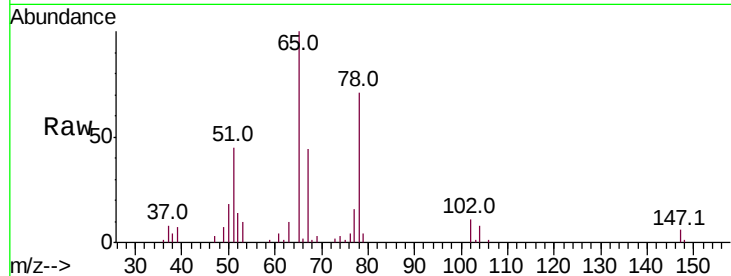




#33
 1,2-Dichloroethane-d4
 Concen: 21.457 ug/l
 RT: 5.99 min Scan# 586
 Delta R.T. -0.03 min
 Lab File: VD059823.D
 Acq: 16 Aug 2018 21:06

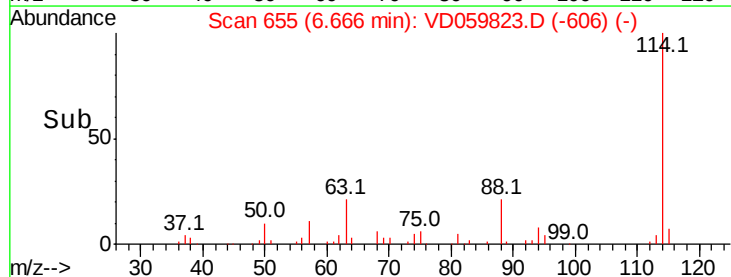
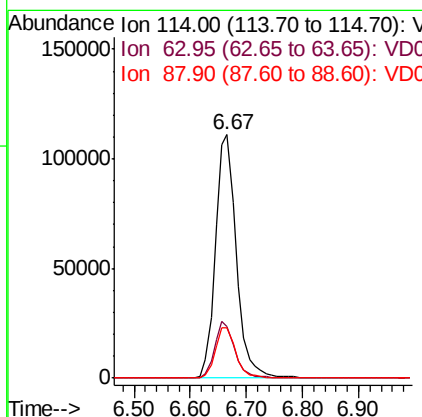
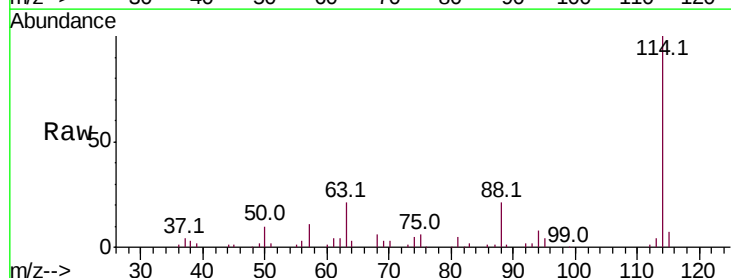
Instrument :
 MSVOA_D
 ClientSampled :

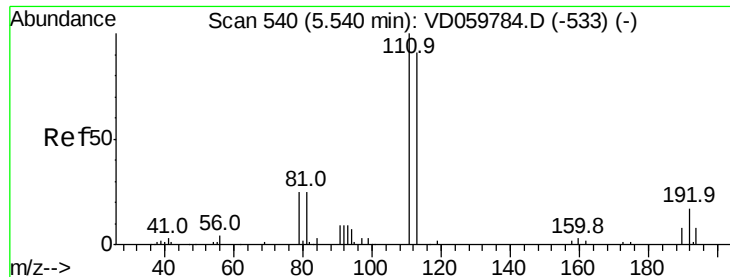
Tot Ion: 65 Resp: 156241
 Ion Ratio Lower Upper
 65 100
 67 43.9 0.0 87.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.67 min Scan# 655
 Delta R.T. -0.02 min
 Lab File: VD059823.D
 Acq: 16 Aug 2018 21:06

Tgt Ion:114 Resp: 289905
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 45.0
 88 20.6 0.0 41.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.52 min Scan# 538

Delta R.T. -0.03 min

Lab File: VD059823.D

Acq: 16 Aug 2018 21:06

Instrument :

MSVOA_D

ClientSampleId :

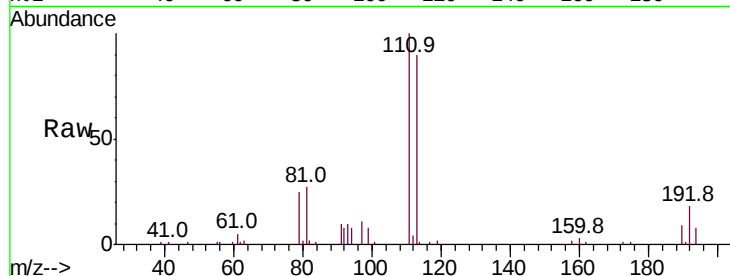
Tot Ion:113 Resp: 135945

Ion Ratio Lower Upper

113 100

111 111.2 87.7 131.5

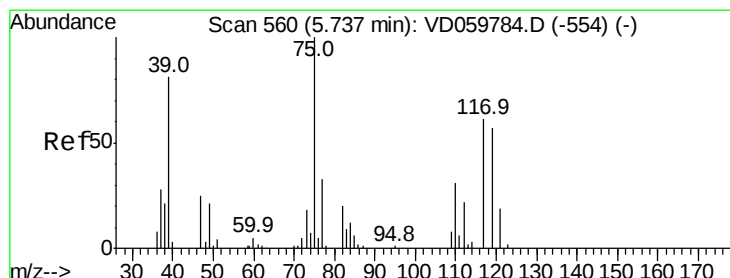
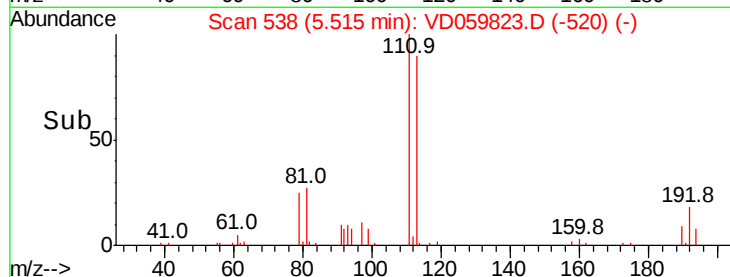
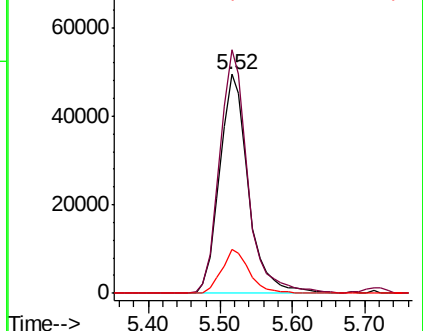
192 20.3 14.6 21.8



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 18.922 ug/l

RT: 5.71 min Scan# 558

Delta R.T. -0.03 min

Lab File: VD059823.D

Acq: 16 Aug 2018 21:06

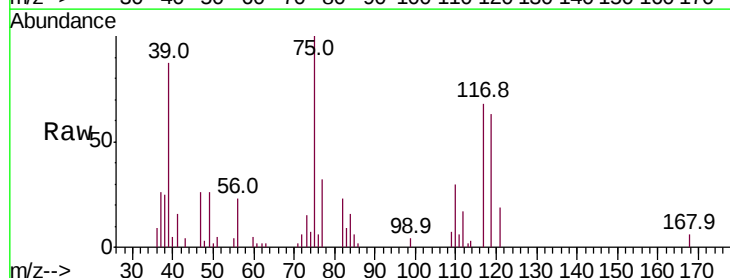
Tgt Ion: 75 Resp: 56280

Ion Ratio Lower Upper

75 100

110 29.6 15.3 45.8

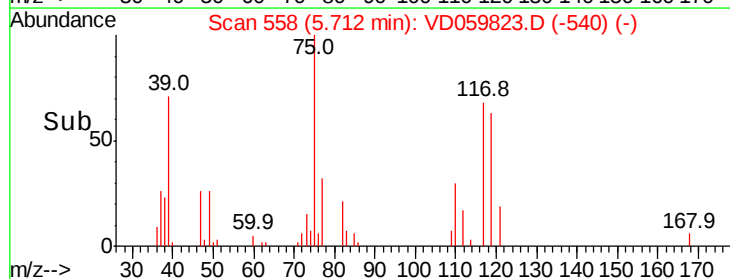
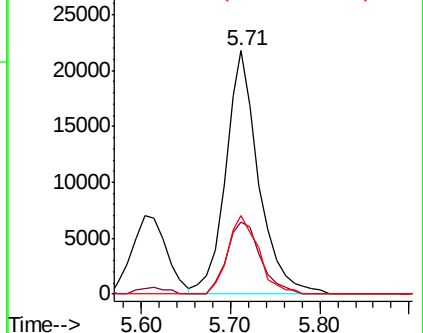
77 32.0 26.2 39.4

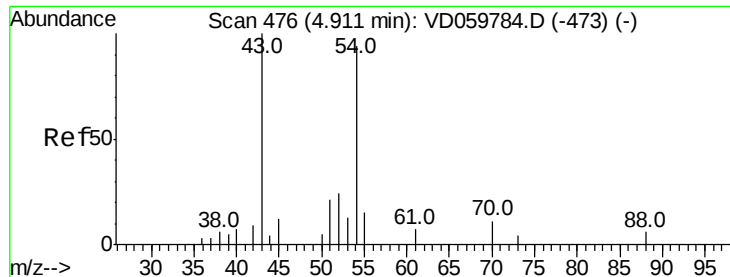


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

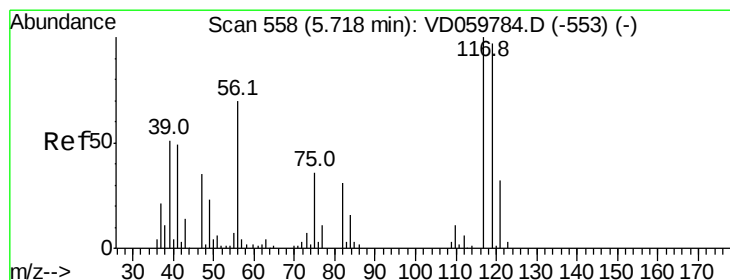
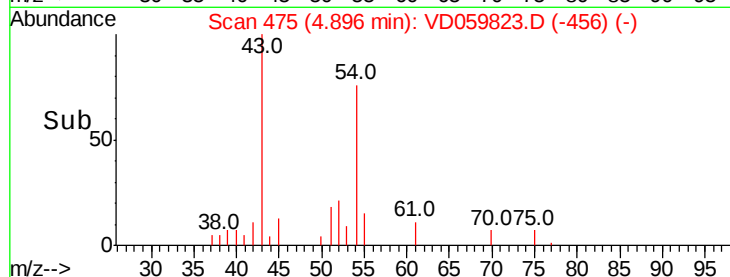
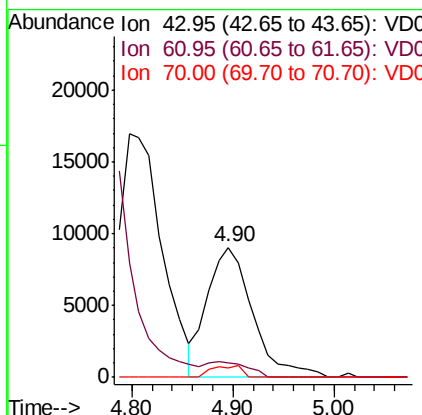
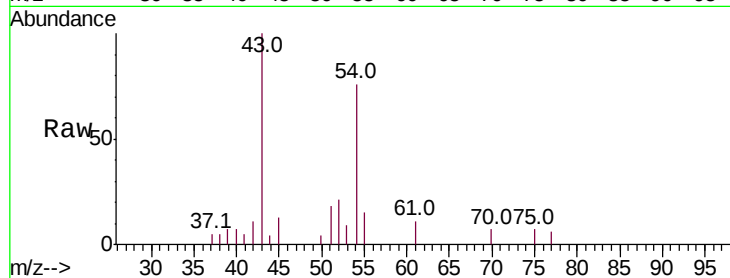




#37
Ethyl Acetate
Concen: 19.089 ug/l
RT: 4.90 min Scan# 475
Delta R.T. -0.02 min
Lab File: VD059823.D
Acq: 16 Aug 2018 21:06

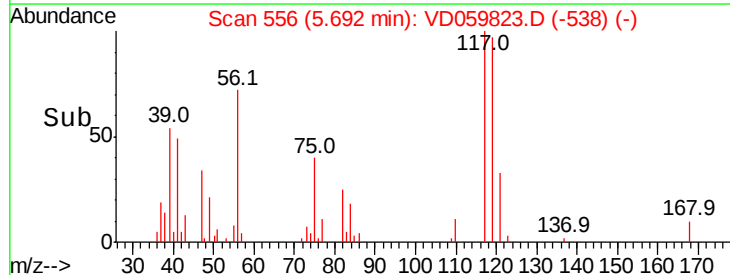
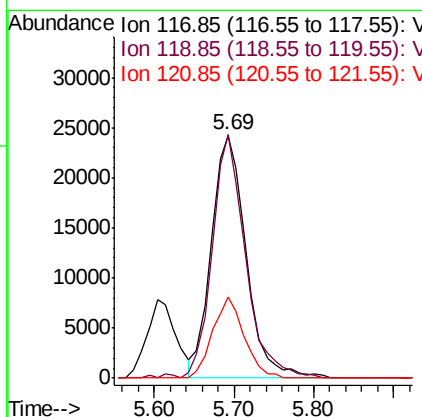
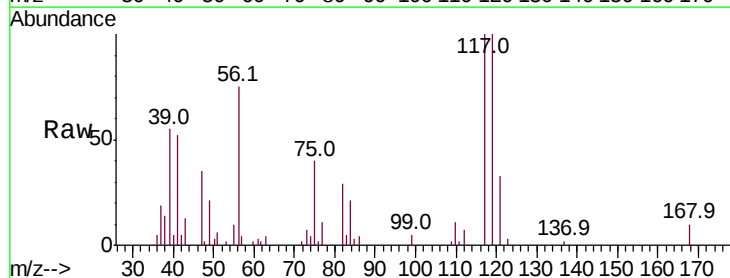
Instrument :
MSVOA_D
ClientSampleId :

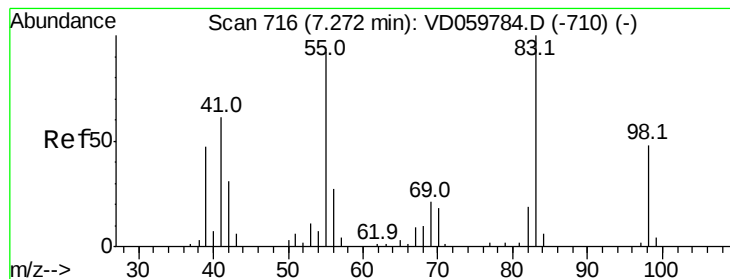
Tot Ion: 43 Resp: 28397
Ion Ratio Lower Upper
43 100
61 11.4 10.2 15.2
70 7.3 5.8 8.8



#38
Carbon Tetrachloride
Concen: 20.702 ug/l
RT: 5.69 min Scan# 556
Delta R.T. -0.03 min
Lab File: VD059823.D
Acq: 16 Aug 2018 21:06

Tgt Ion: 117 Resp: 74288
Ion Ratio Lower Upper
117 100
119 100.4 75.7 113.5
121 33.4 24.7 37.1





#39

Methvlcvclohexane

Concen: 17.906 ug/l

RT: 7.26 min Scan# 715

Delta R.T. -0.02 min

Lab File: VD059823.D

Acq: 16 Aug 2018 21:06

Instrument :

MSVOA_D

ClientSampleId :

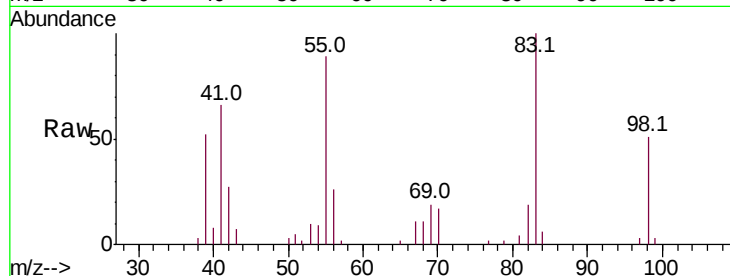
Tot Ion: 83 Resp: 46070

Ion Ratio Lower Upper

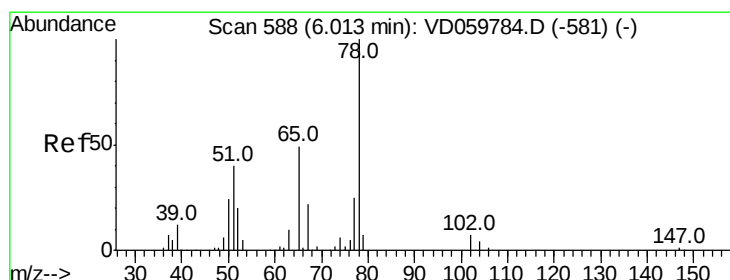
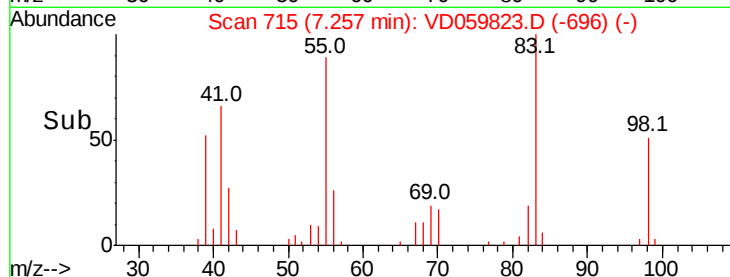
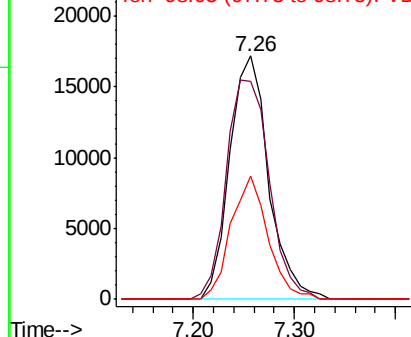
83 100

55 89.5 73.8 110.6

98 50.5 38.4 57.6



Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 19.049 ug/l

RT: 5.99 min Scan# 586

Delta R.T. -0.03 min

Lab File: VD059823.D

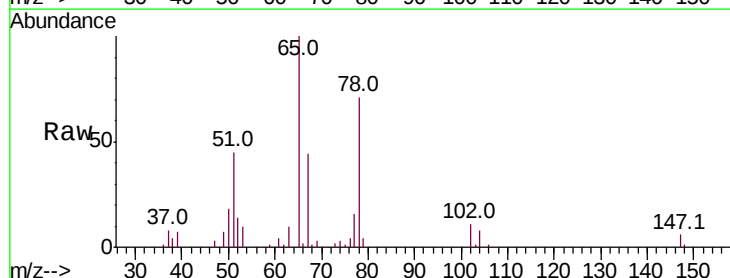
Acq: 16 Aug 2018 21:06

Tgt Ion: 78 Resp: 120178

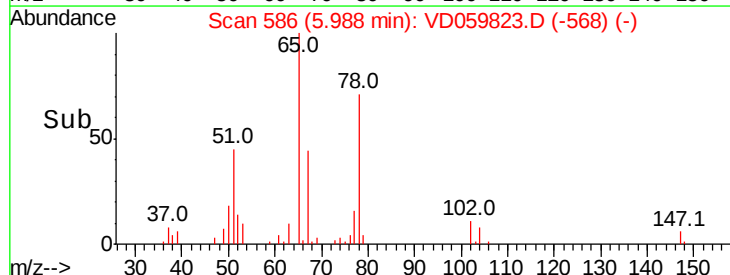
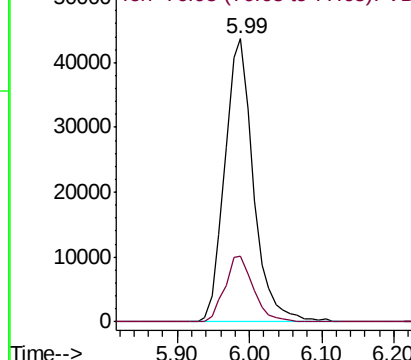
Ion Ratio Lower Upper

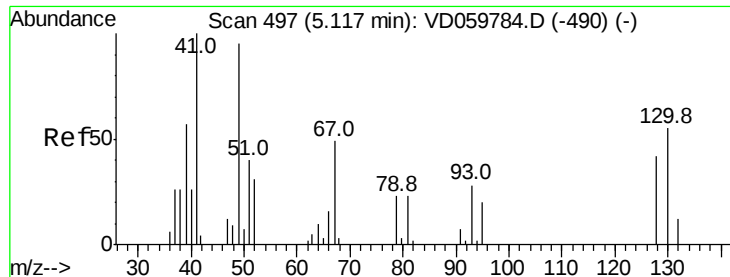
78 100

77 23.2 19.6 29.4



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

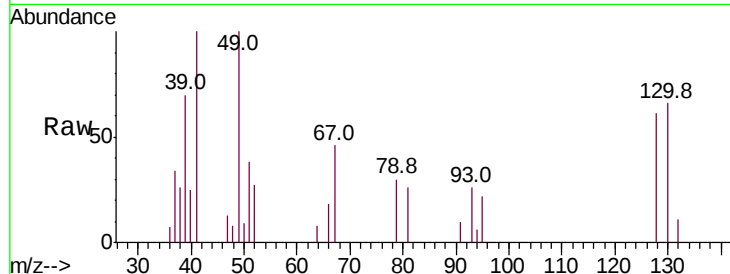




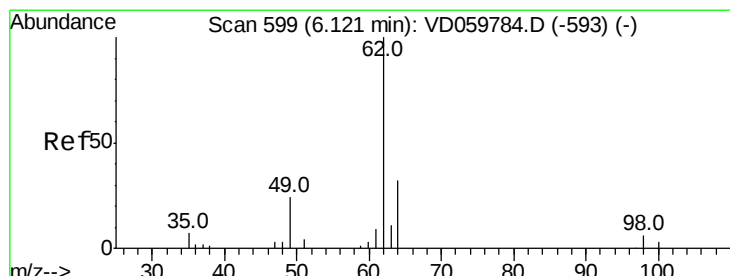
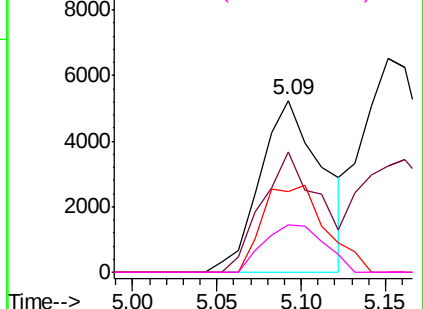
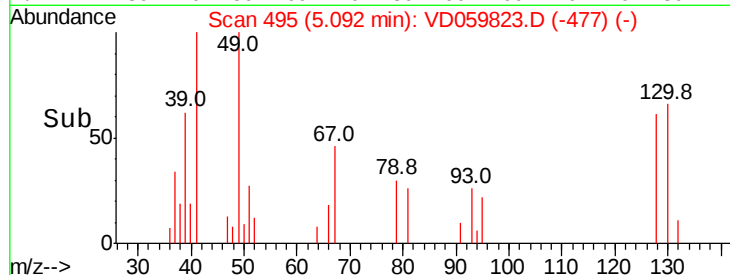
#41
Methacrylonitrile
Concen: 19.026 ug/l
RT: 5.09 min Scan# 495
Delta R.T. -0.03 min
Lab File: VD059823.D
Acq: 16 Aug 2018 21:06

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 13541
Ion Ratio Lower Upper
41 100
39 70.1 45.4 68.2#
67 46.7 39.5 59.3
52 27.5 24.8 37.2

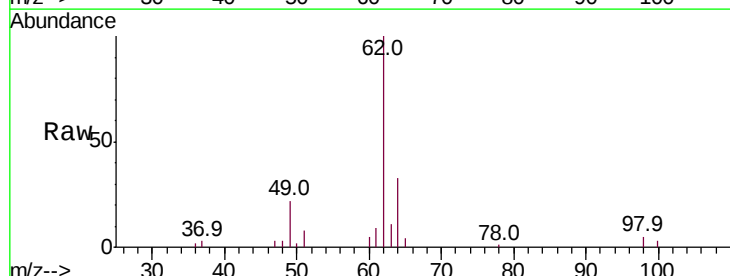


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

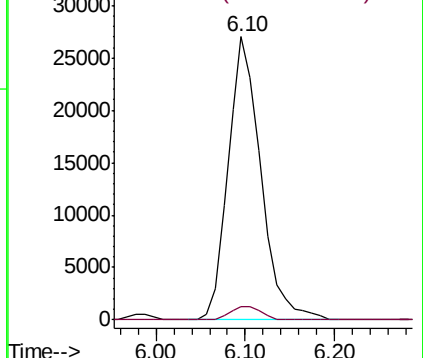
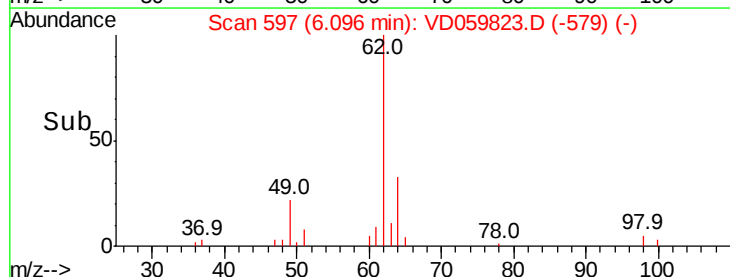


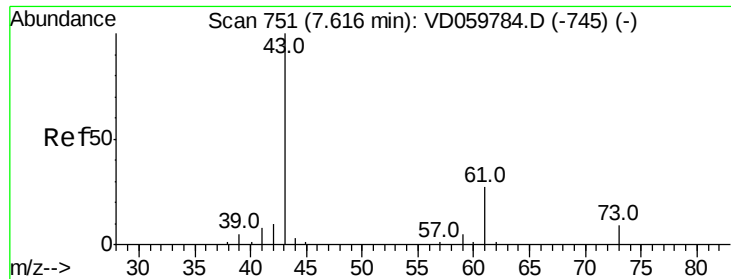
#42
1,2-Dichloroethane
Concen: 20.269 ug/l
RT: 6.10 min Scan# 597
Delta R.T. -0.03 min
Lab File: VD059823.D
Acq: 16 Aug 2018 21:06

Tgt Ion: 62 Resp: 69207
Ion Ratio Lower Upper
62 100
98 4.7 0.0 12.0



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 17.373 ug/l

RT: 7.59 min Scan# 749

Delta R.T. -0.03 min

Lab File: VD059823.D

Acq: 16 Aug 2018 21:06

Instrument :

MSVOA_D

ClientSampleId :

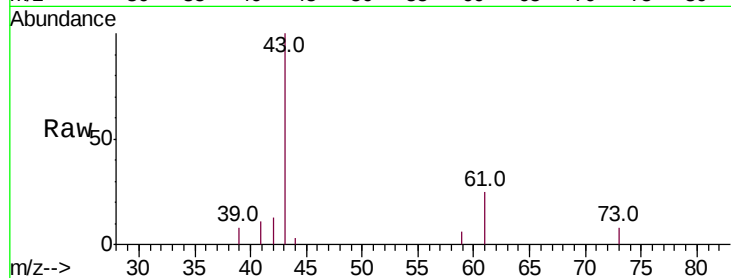
Tot Ion: 43 Resp: 32637

Ion Ratio Lower Upper

43 100

61 24.9 21.2 31.8

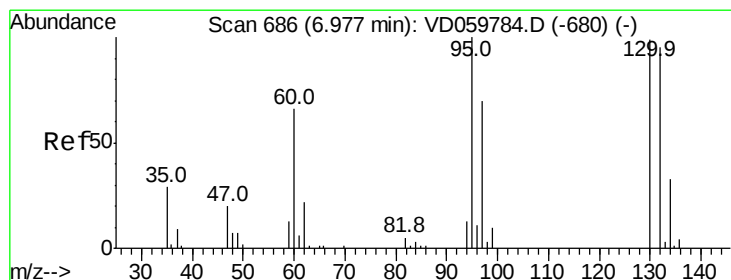
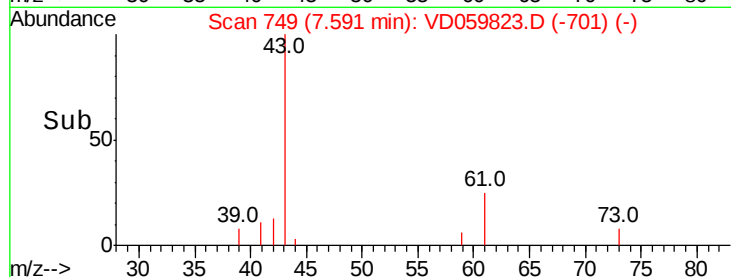
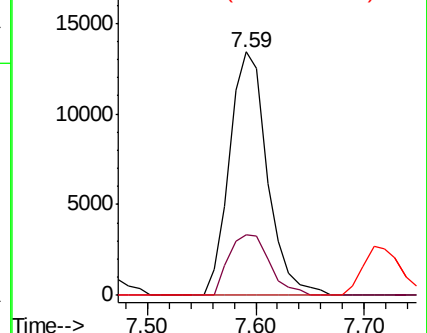
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 18.559 ug/l

RT: 6.95 min Scan# 684

Delta R.T. -0.03 min

Lab File: VD059823.D

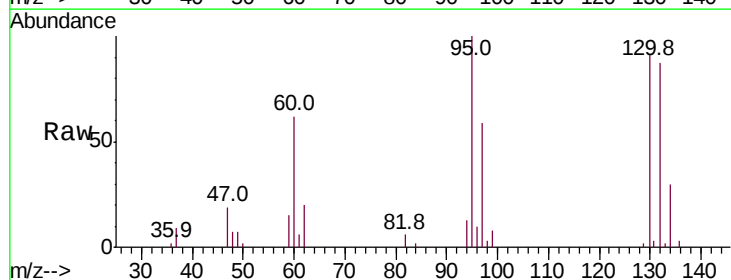
Acq: 16 Aug 2018 21:06

Tgt Ion:130 Resp: 40095

Ion Ratio Lower Upper

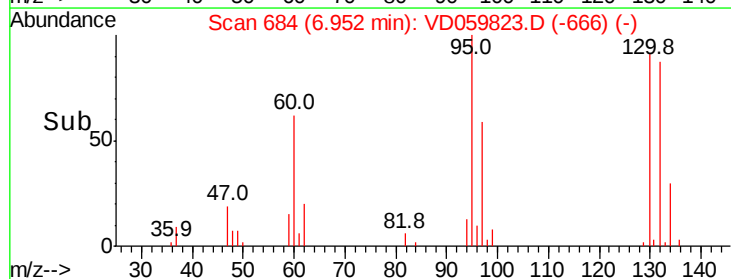
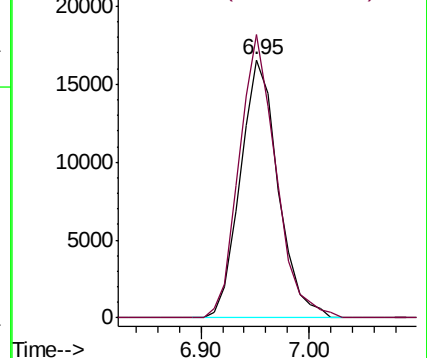
130 100

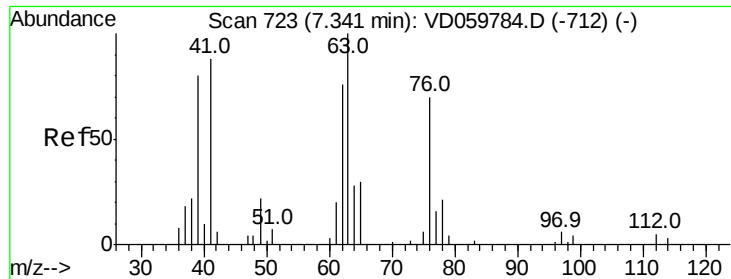
95 109.6 0.0 201.2



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 17.599 ug/l

RT: 7.33 min Scan# 722

Delta R.T. -0.02 min

Lab File: VD059823.D

Acq: 16 Aug 2018 21:06

Instrument :

MSVOA_D

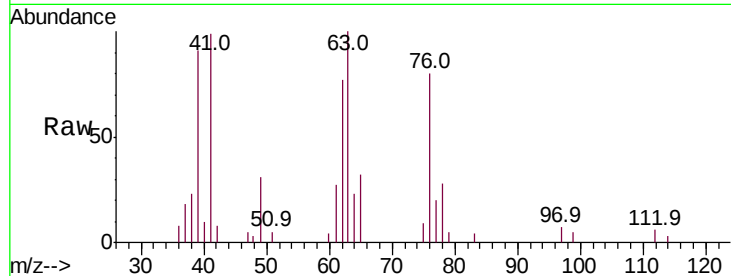
ClientSampleId :

Tot Ion: 63 Resp: 28860

Ion Ratio Lower Upper

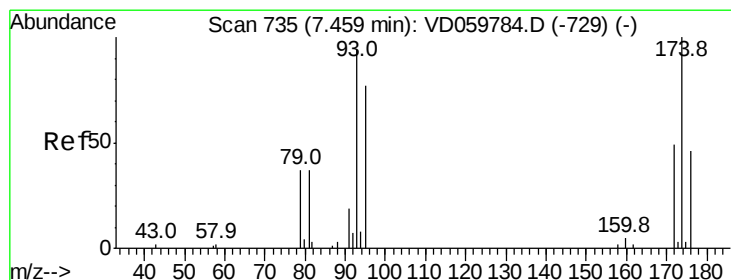
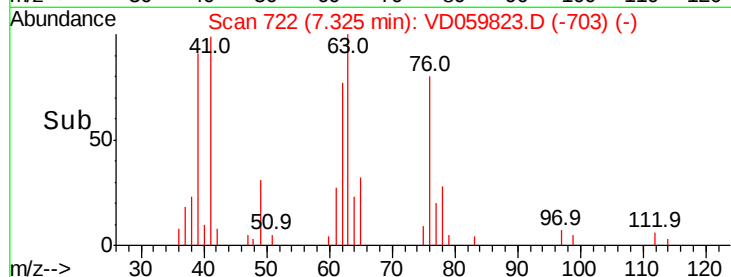
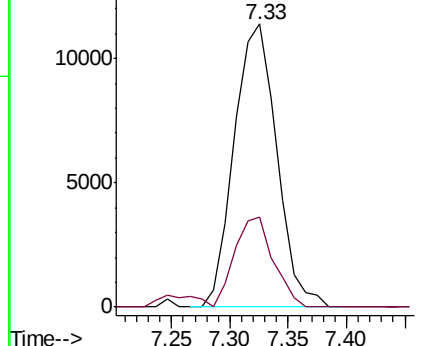
63 100

65 31.6 24.2 36.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 19.189 ug/l

RT: 7.43 min Scan# 733

Delta R.T. -0.03 min

Lab File: VD059823.D

Acq: 16 Aug 2018 21:06

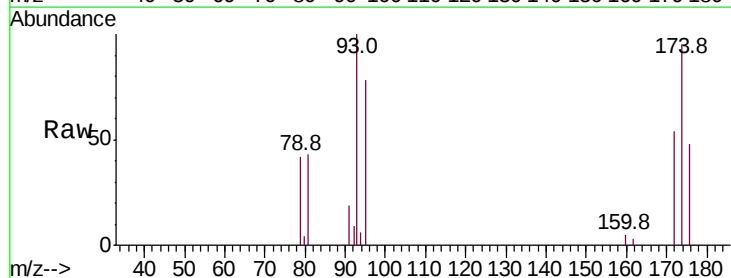
Tgt Ion: 93 Resp: 25737

Ion Ratio Lower Upper

93 100

95 78.0 66.2 99.4

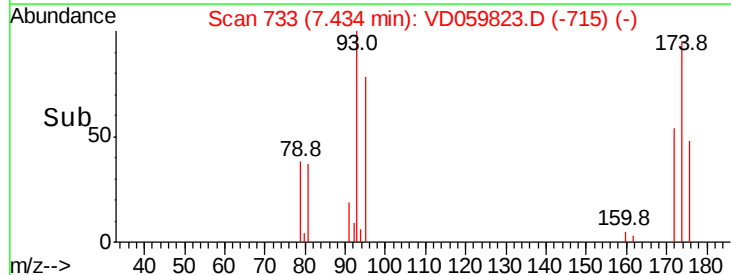
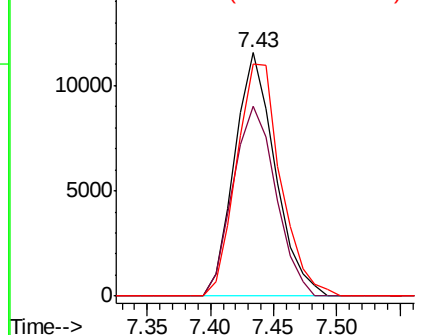
174 95.4 85.5 128.3

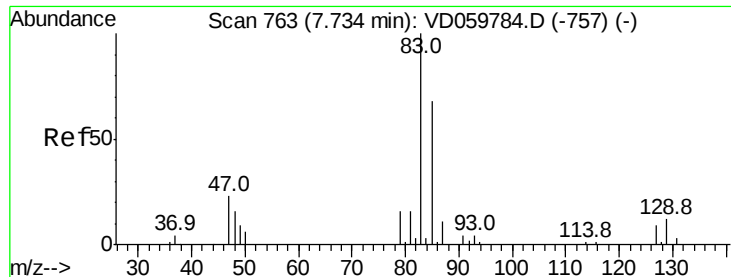


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 19.733 ug/l

RT: 7.72 min Scan# 762

Delta R.T. -0.02 min

Lab File: VD059823.D

Acq: 16 Aug 2018 21:06

Instrument :

MSVOA_D

ClientSampleId :

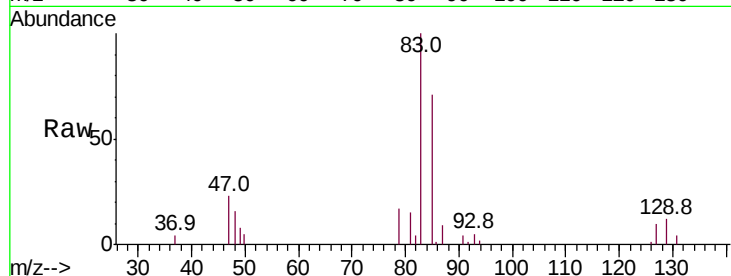
Tot Ion: 83 Resp: 64847

Ion Ratio Lower Upper

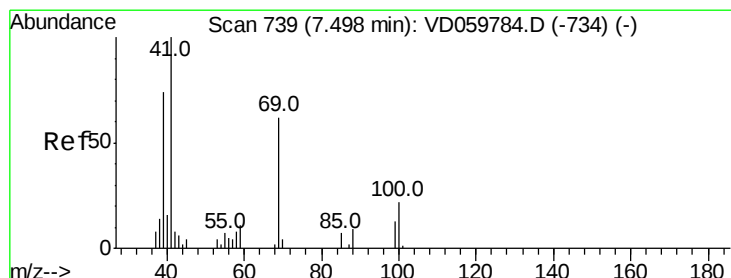
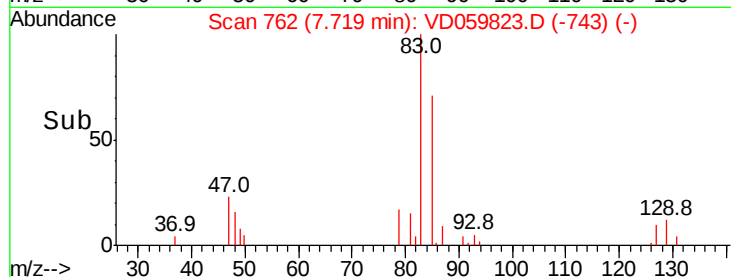
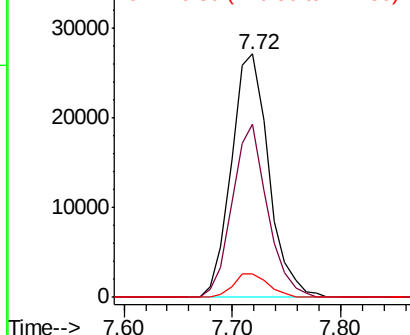
83 100

85 71.1 54.1 81.1

127 9.9 7.5 11.3



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 18.748 ug/l

RT: 7.48 min Scan# 738

Delta R.T. -0.02 min

Lab File: VD059823.D

Acq: 16 Aug 2018 21:06

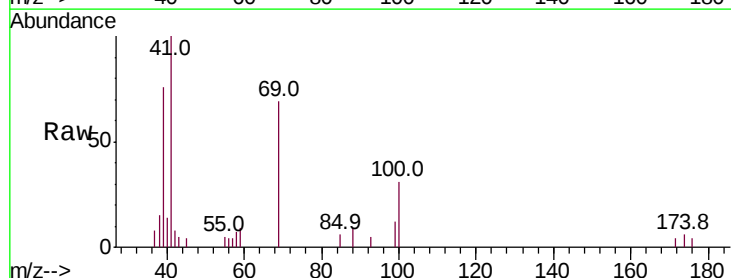
Tgt Ion: 41 Resp: 22982

Ion Ratio Lower Upper

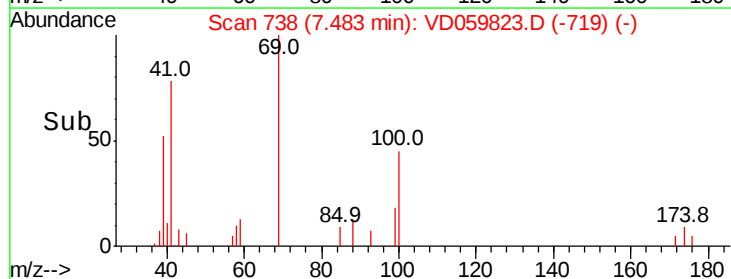
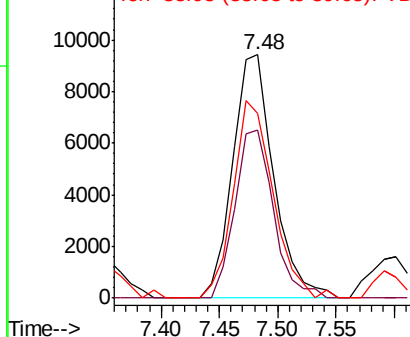
41 100

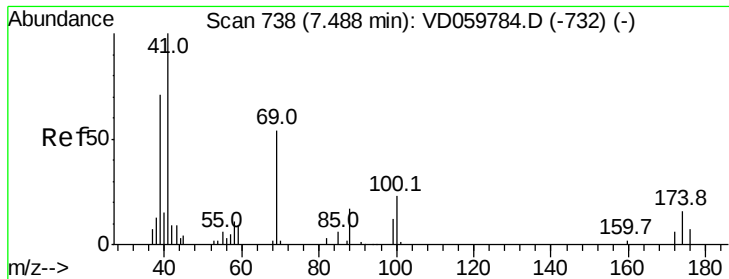
69 69.0 49.8 74.8

39 76.1 59.0 88.4



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

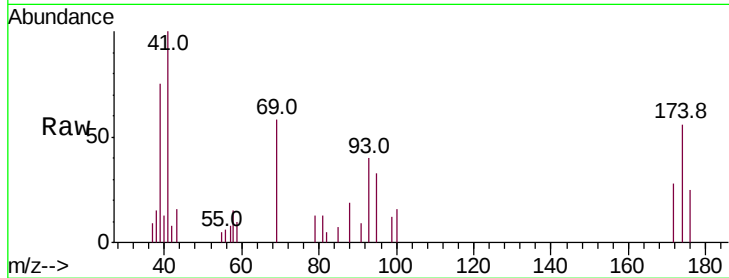




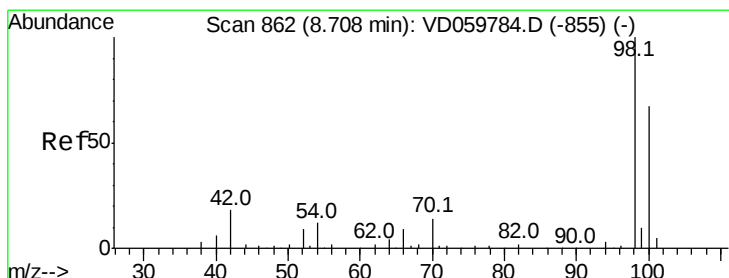
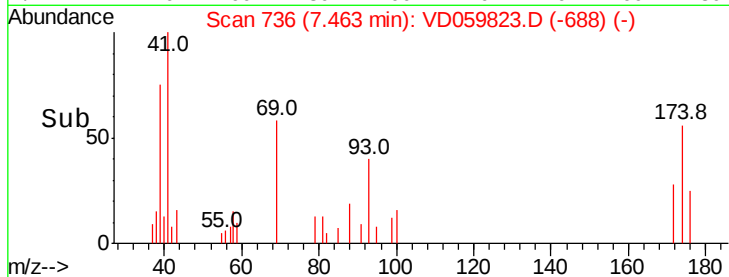
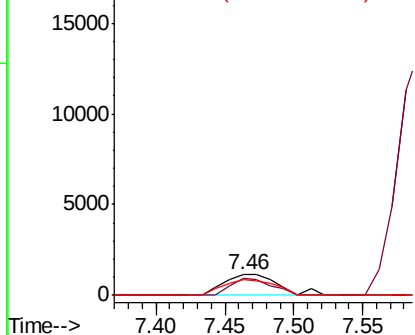
#49
1,4-Dioxane
Concen: 285.953 ug/l
RT: 7.46 min Scan# 736
Delta R.T. -0.02 min
Lab File: VD059823.D
Acq: 16 Aug 2018 21:06

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 3087
Ion Ratio Lower Upper
88 100
43 81.6 42.0 63.0#
58 78.5 51.4 77.0#

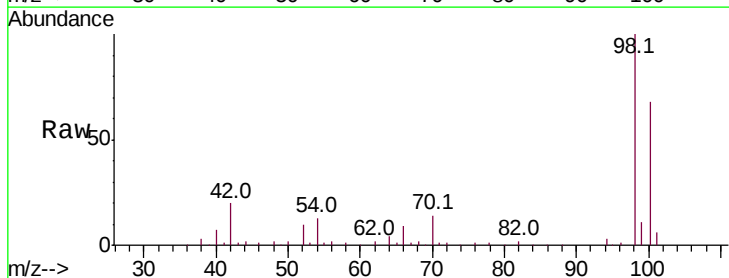


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

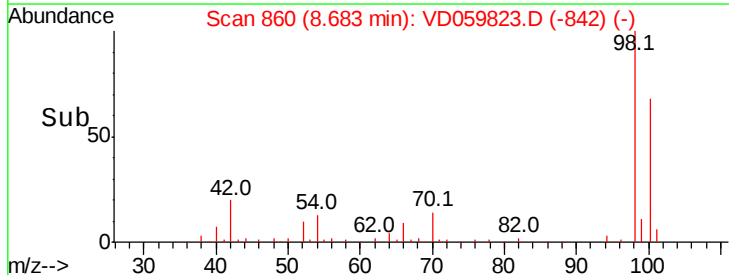
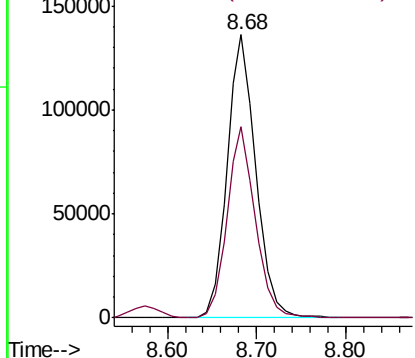


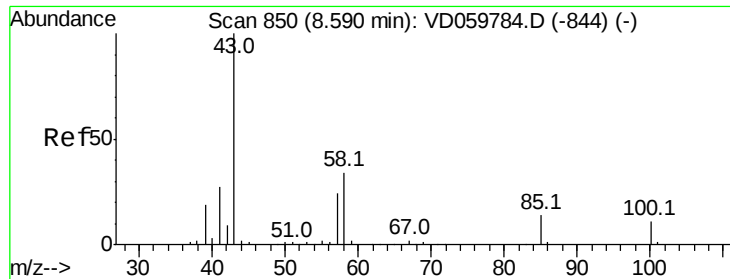
#50
Toluene-d8
Concen: 285.953 ug/l
RT: 8.68 min Scan# 860
Delta R.T. -0.03 min
Lab File: VD059823.D
Acq: 16 Aug 2018 21:06

Tgt Ion: 98 Resp: 306153
Ion Ratio Lower Upper
98 100
100 67.6 54.2 81.4



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 82.103 ug/l

RT: 8.57 min Scan# 849

Delta R.T. -0.02 min

Lab File: VD059823.D

Acq: 16 Aug 2018 21:06

Instrument :

MSVOA_D

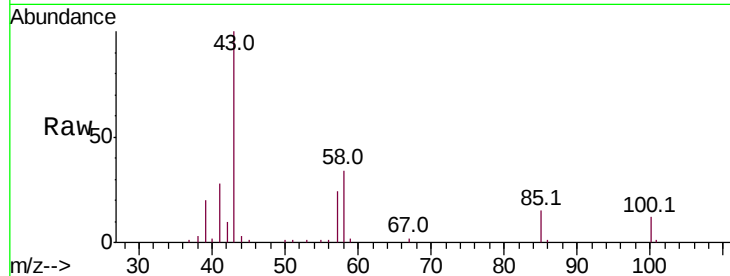
ClientSampleId :

Tot Ion: 43 Resp: 116588

Ion Ratio Lower Upper

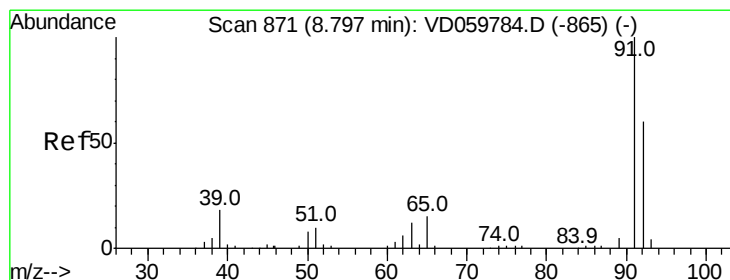
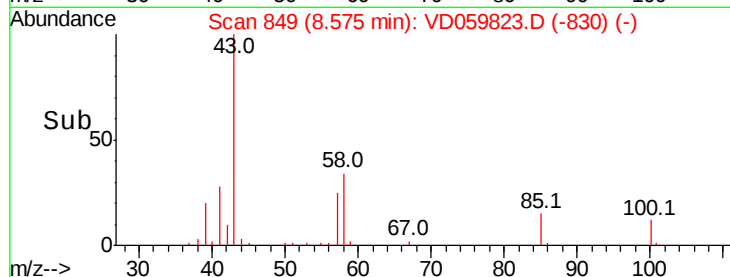
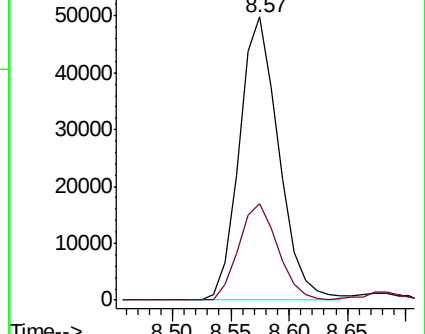
43 100

58 34.0 27.5 41.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.112 ug/l

RT: 8.78 min Scan# 870

Delta R.T. -0.02 min

Lab File: VD059823.D

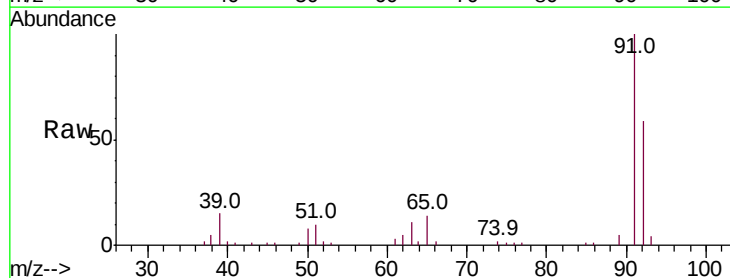
Acq: 16 Aug 2018 21:06

Tgt Ion: 92 Resp: 81288

Ion Ratio Lower Upper

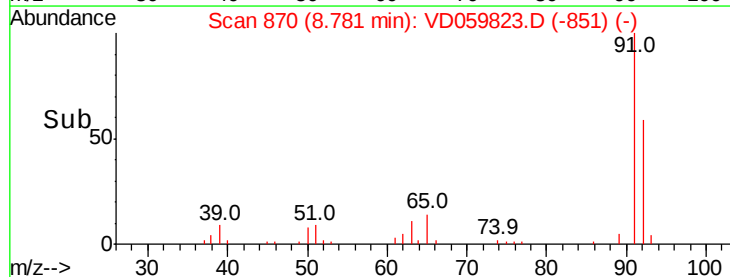
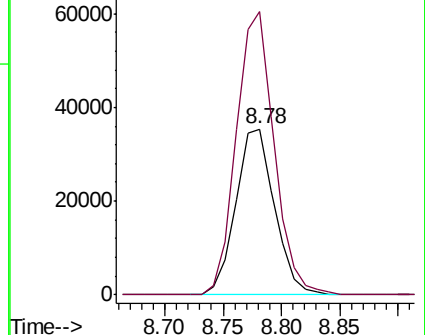
92 100

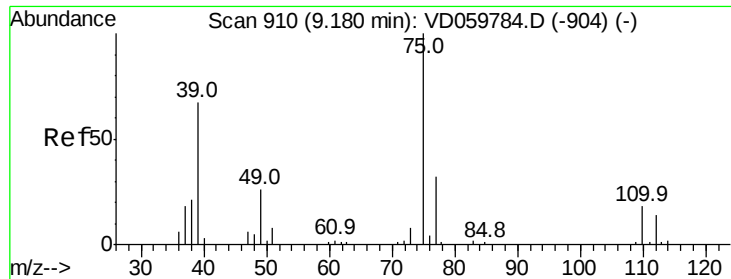
91 170.7 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

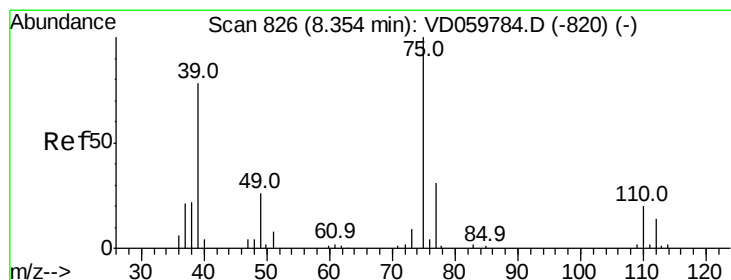
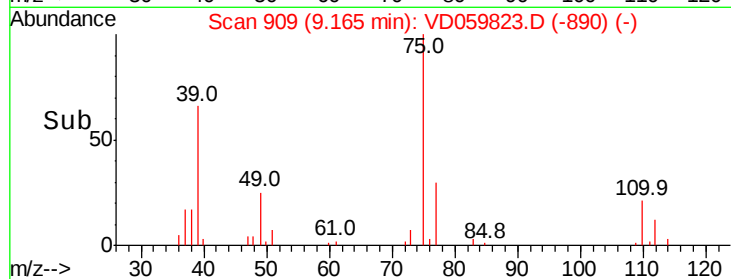
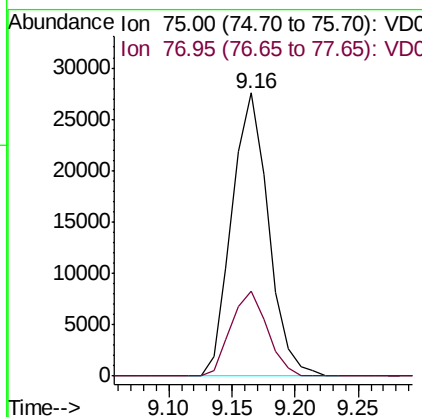
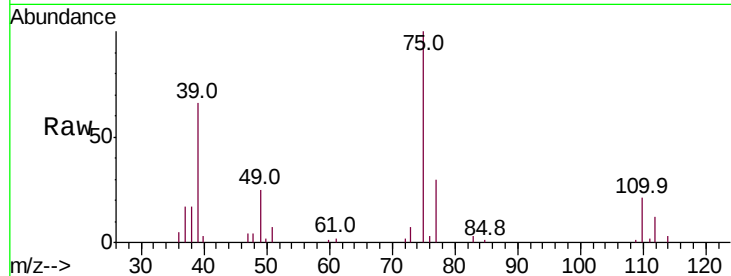




#53
 t-1,3-Dichloropropene
 Concen: 20.260 ug/l
 RT: 9.16 min Scan# 909
 Delta R.T. -0.02 min
 Lab File: VD059823.D
 Acq: 16 Aug 2018 21:06

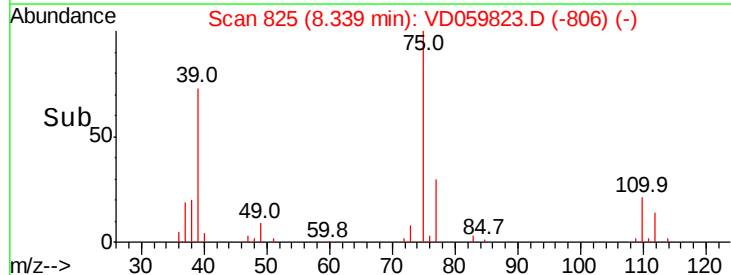
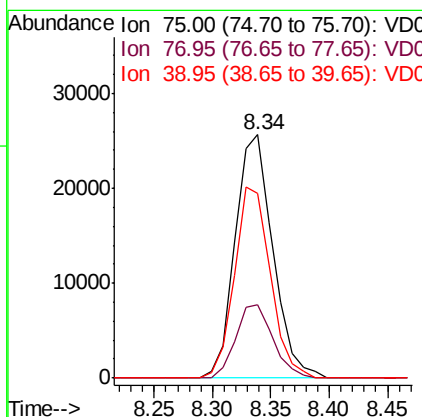
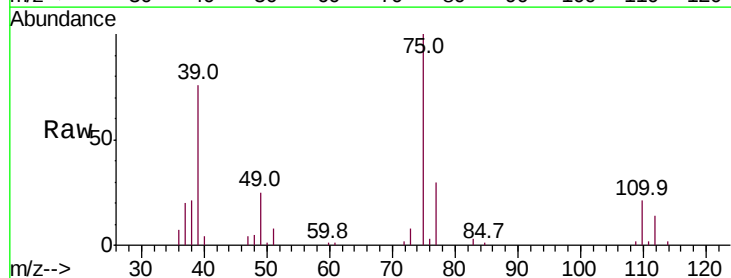
Instrument :
 MSVOA_D
 ClientSampled :

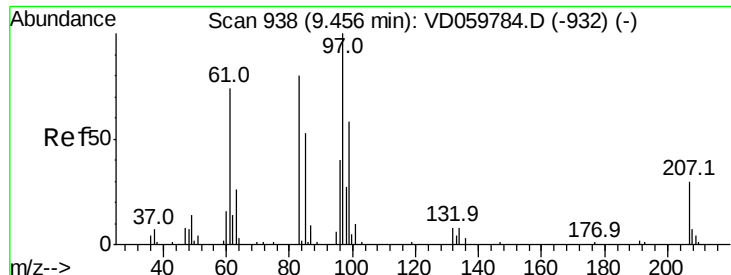
Tot Ion: 75 Resp: 55200
 Ion Ratio Lower Upper
 75 100
 77 30.0 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 19.488 ug/l
 RT: 8.34 min Scan# 825
 Delta R.T. -0.02 min
 Lab File: VD059823.D
 Acq: 16 Aug 2018 21:06

Tgt Ion: 75 Resp: 57382
 Ion Ratio Lower Upper
 75 100
 77 30.2 24.8 37.2
 39 76.0 62.5 93.7

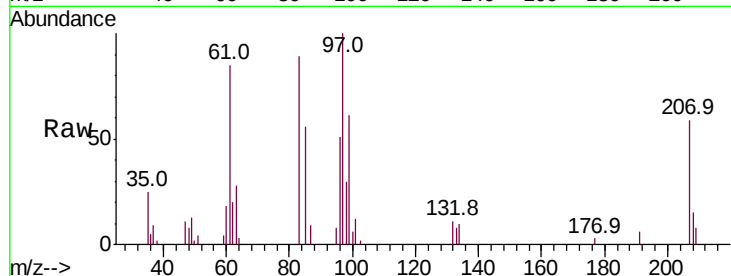




#55
 1,1,2-Trichloroethane
 Concen: 19.441 ug/l
 RT: 9.43 min Scan# 936
 Delta R.T. -0.03 min
 Lab File: VD059823.D
 Acq: 16 Aug 2018 21:06

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	29008
Ion	Ratio	Lower	Upper
97	100		
83	89.5	63.8	95.8
85	56.3	42.5	63.7
99	60.8	46.2	69.4



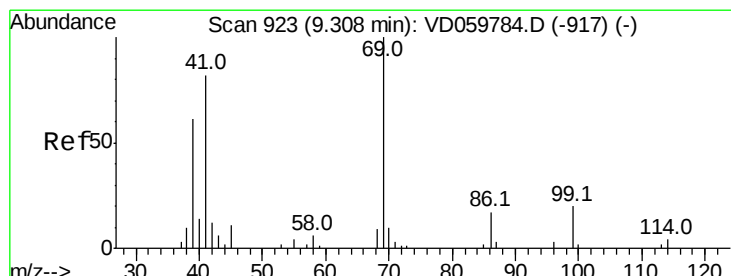
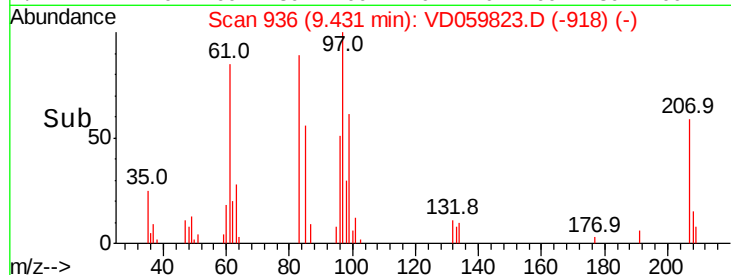
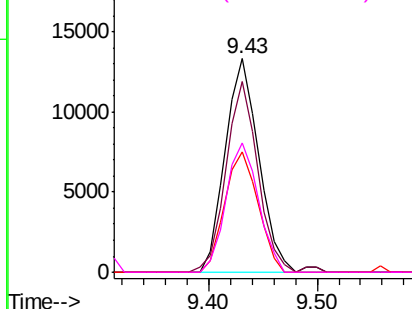
Abundance

Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

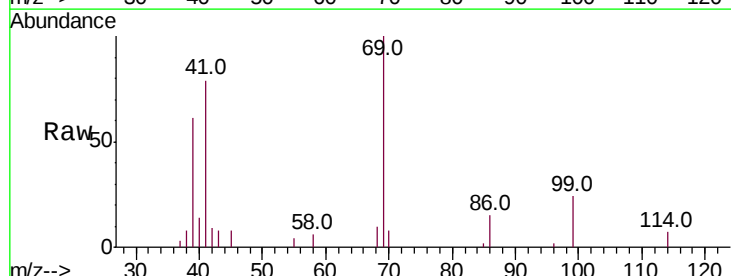
Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56
 Ethyl methacrylate
 Concen: 19.472 ug/l
 RT: 9.29 min Scan# 922
 Delta R.T. -0.02 min
 Lab File: VD059823.D
 Acq: 16 Aug 2018 21:06

Tgt Ion:	69	Resp:	31464
Ion	Ratio	Lower	Upper
69	100		
41	78.8	65.8	98.8
39	61.1	49.7	74.5

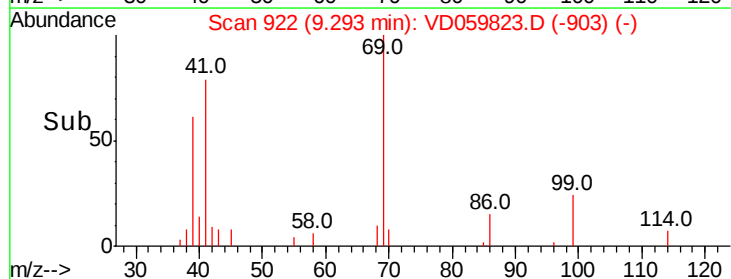
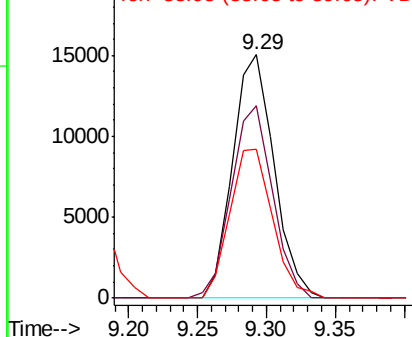


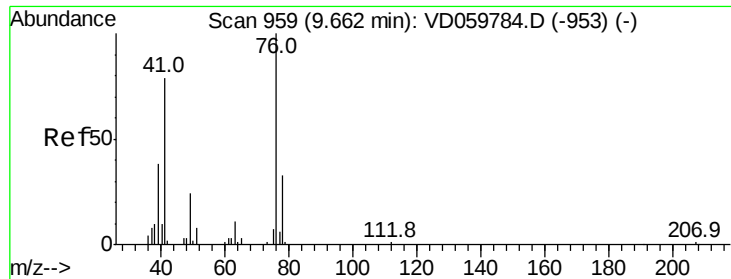
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 19.636 ug/l

RT: 9.64 min Scan# 957

Delta R.T. -0.03 min

Lab File: VD059823.D

Acq: 16 Aug 2018 21:06

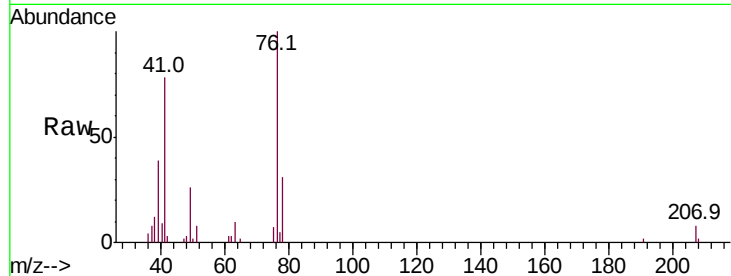
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 45898

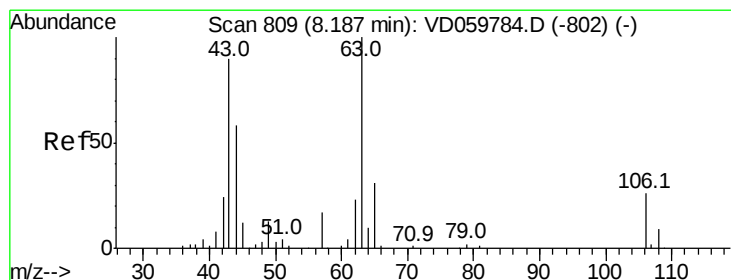
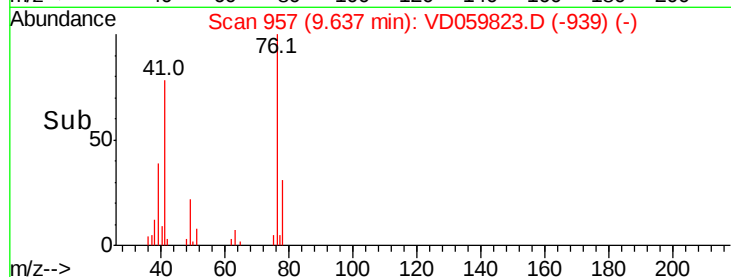
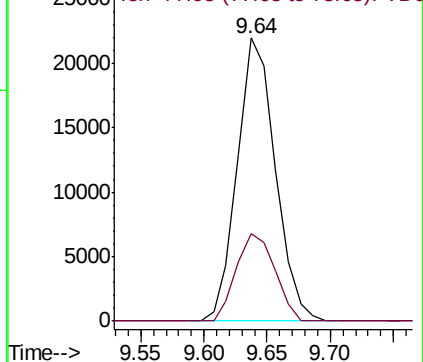
Ion Ratio Lower Upper

76 100

78 31.0 26.4 39.6



Abundance Ion 75.95 (75.65 to 76.65): VDC
Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 102.014 ug/l

RT: 8.16 min Scan# 807

Delta R.T. -0.03 min

Lab File: VD059823.D

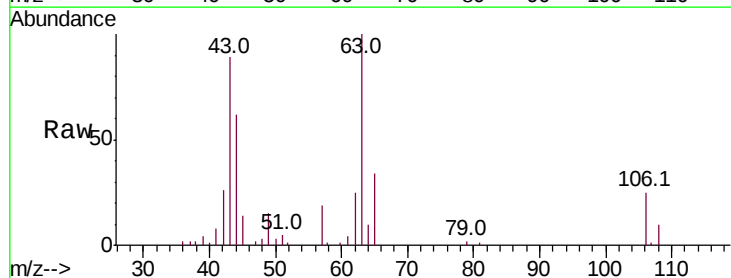
Acq: 16 Aug 2018 21:06

Tgt Ion: 63 Resp: 81474

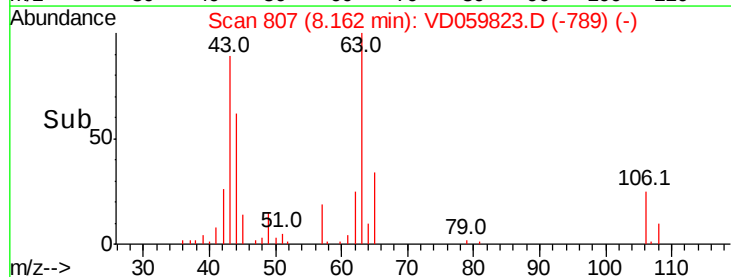
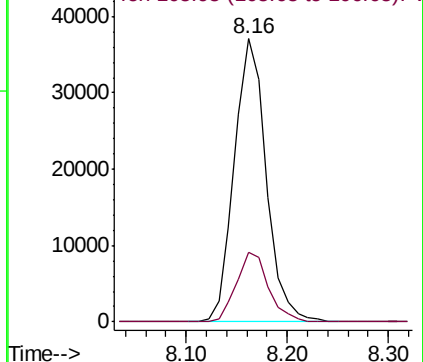
Ion Ratio Lower Upper

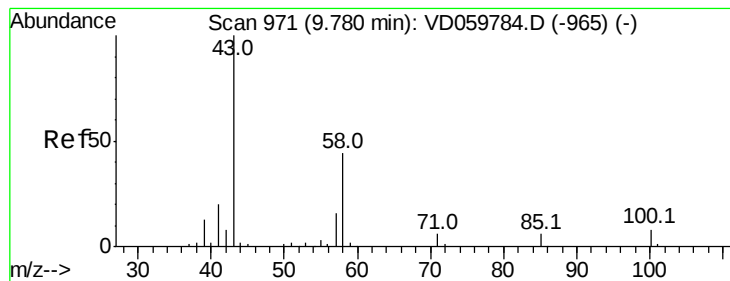
63 100

106 24.6 21.1 31.7



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 84.014 ug/l

RT: 9.77 min Scan# 970

Delta R.T. -0.02 min

Lab File: VD059823.D

Acq: 16 Aug 2018 21:06

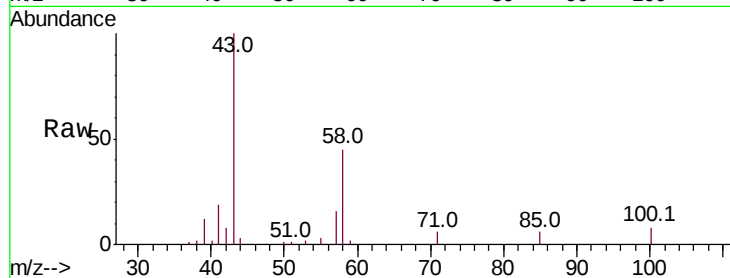
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 85547

Ion Ratio Lower Upper

43 100

58 44.6 22.3 66.8

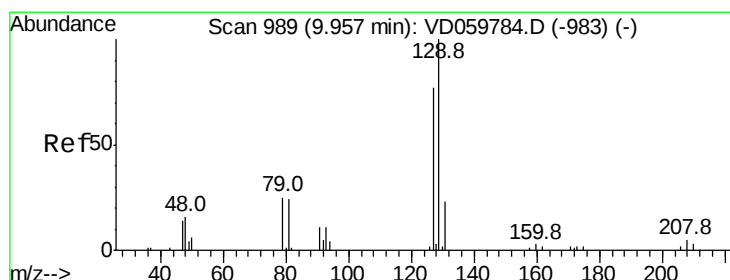
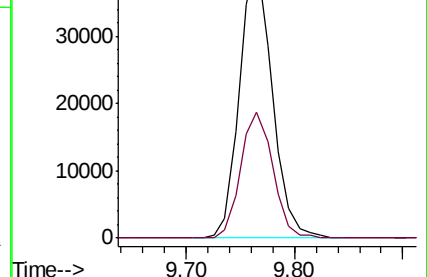
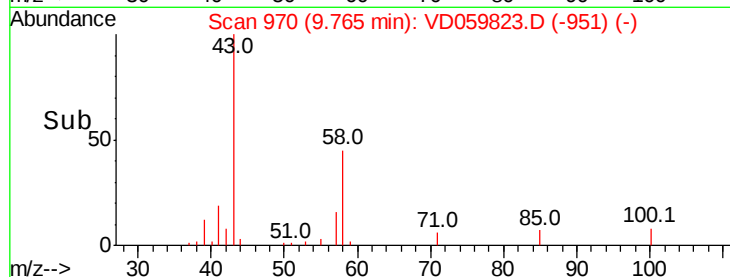


Abundance Ion 42.95 (42.65 to 43.65): VD059823.D (-969) (-)

Ion 57.95 (57.65 to 58.65): VD059823.D (-969) (-)

9.77

Time-->



#60

Dibromochloromethane

Concen: 20.646 ug/l

RT: 9.93 min Scan# 987

Delta R.T. -0.03 min

Lab File: VD059823.D

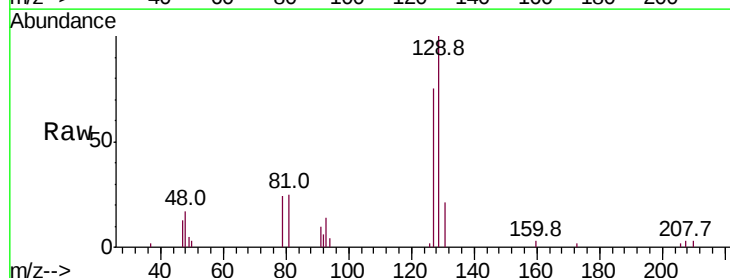
Acq: 16 Aug 2018 21:06

Tgt Ion: 129 Resp: 44728

Ion Ratio Lower Upper

129 100

127 75.2 38.4 115.1

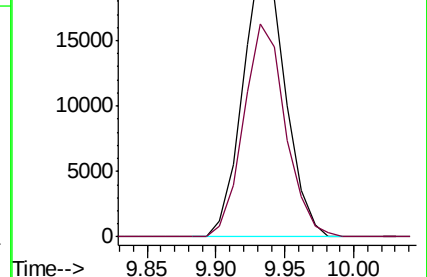
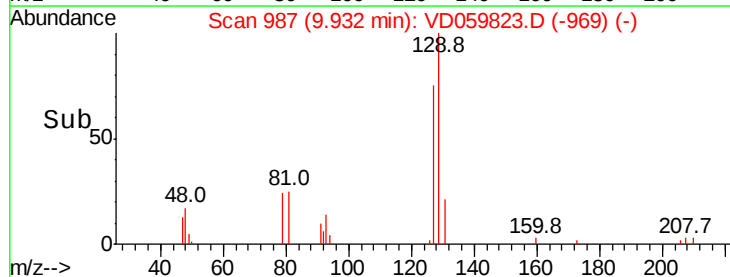


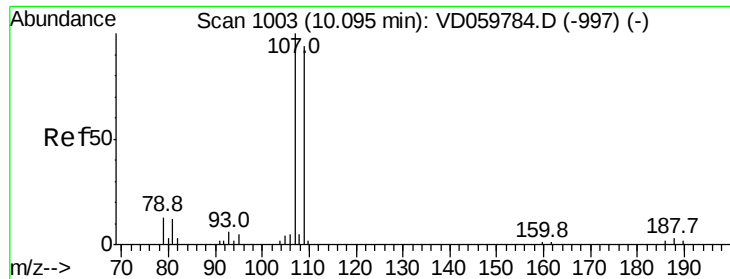
Abundance Ion 128.80 (128.50 to 129.50): VD059823.D (-969) (-)

Ion 126.80 (126.50 to 127.50): VD059823.D (-969) (-)

9.93

Time-->





#61

1,2-Dibromoethane

Concen: 19.550 ug/l

RT: 10.07 min Scan# 1001

Delta R.T. -0.03 min

Lab File: VD059823.D

Acq: 16 Aug 2018 21:06

Instrument :

MSVOA_D

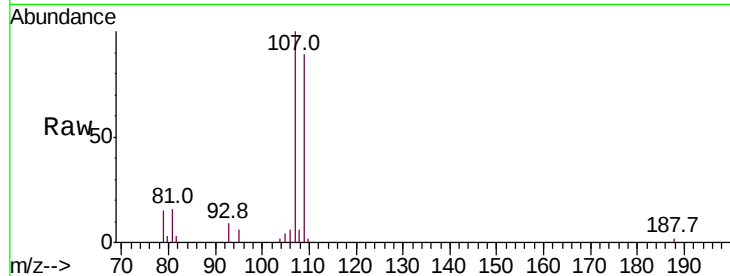
ClientSampleId :

Tot Ion:107 Resp: 32313

Ion Ratio Lower Upper

107 100

109 89.1 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.07

15000

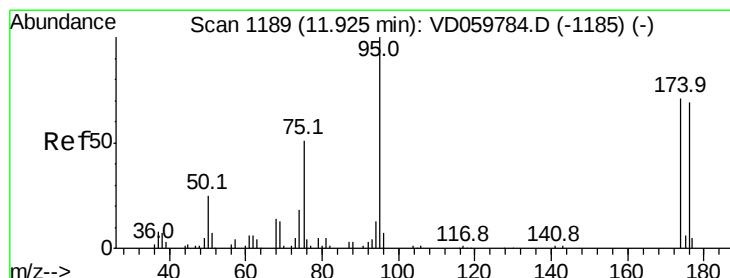
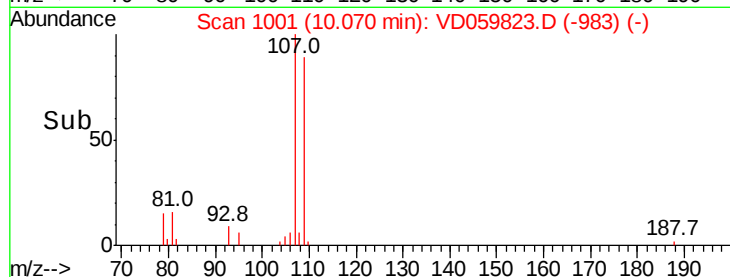
10000

5000

0

10.00 10.05 10.10 10.15

Time-->



#62

4-Bromofluorobenzene

Concen: 19.550 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. -0.01 min

Lab File: VD059823.D

Acq: 16 Aug 2018 21:06

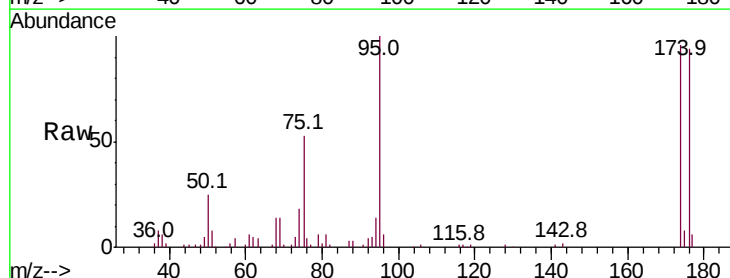
Tgt Ion: 95 Resp: 134823

Ion Ratio Lower Upper

95 100

174 95.6 0.0 142.2

176 94.3 0.0 137.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

11.92

120000

100000

80000

60000

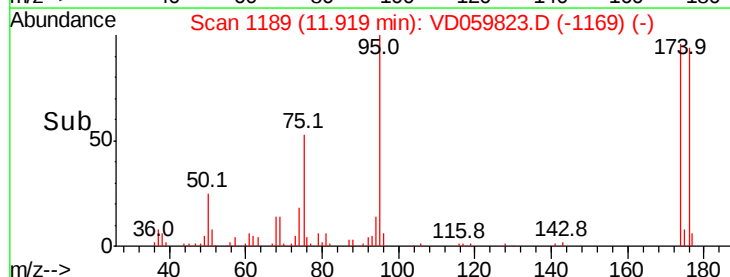
40000

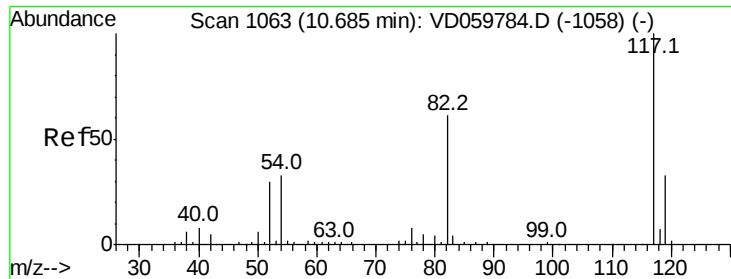
20000

0

11.85 11.90 11.95 12.00

Time-->

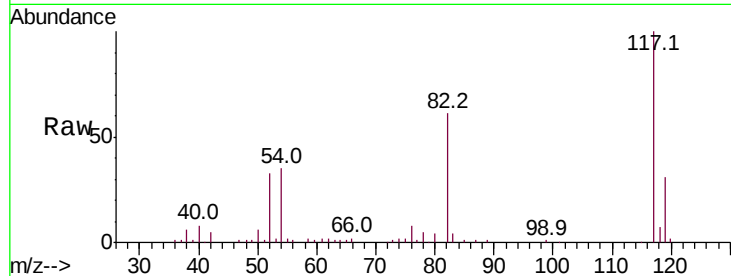




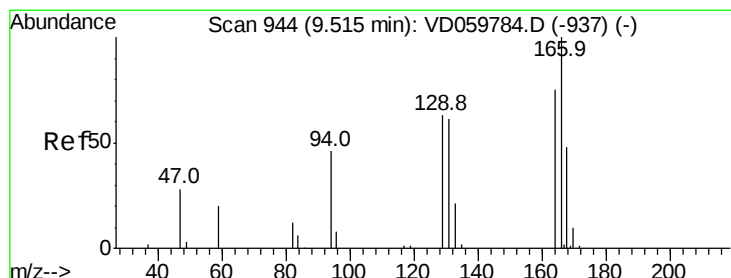
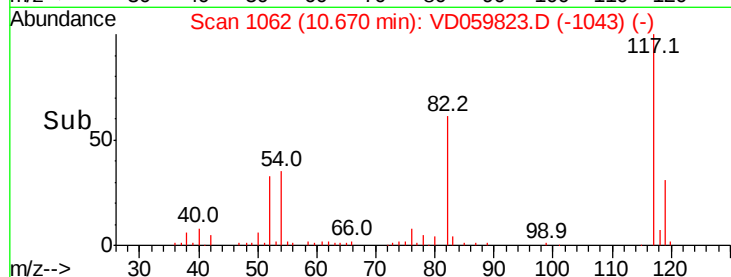
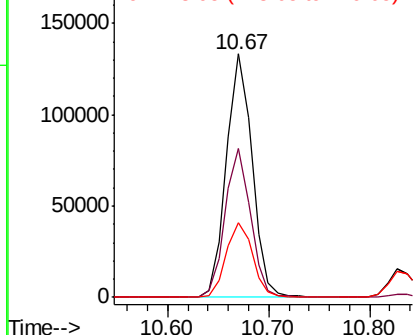
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.67 min Scan# 1062
Delta R.T. -0.02 min
Lab File: VD059823.D
Acq: 16 Aug 2018 21:06

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 237415
Ion Ratio Lower Upper
117 100
82 60.9 49.0 73.6
119 30.7 26.2 39.2

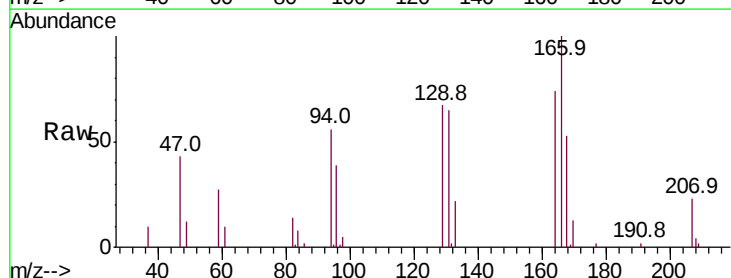


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

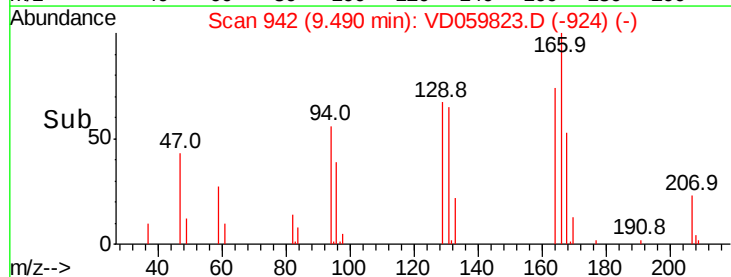
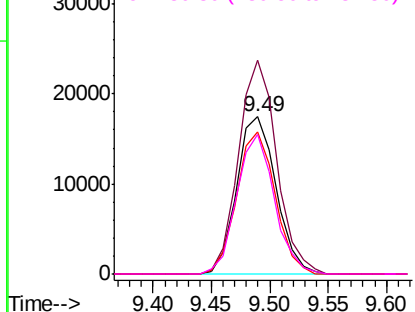


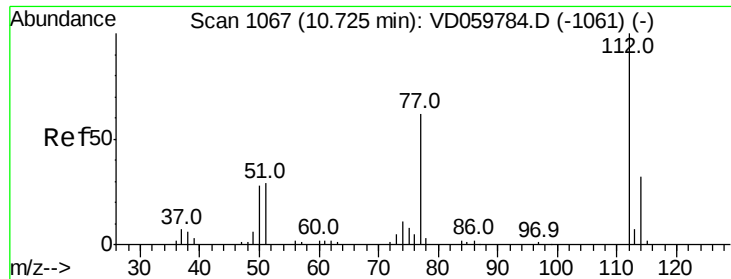
#64
Tetrachloroethene
Concen: 19.967 ug/l
RT: 9.49 min Scan# 942
Delta R.T. -0.03 min
Lab File: VD059823.D
Acq: 16 Aug 2018 21:06

Tgt Ion:164 Resp: 40827
Ion Ratio Lower Upper
164 100
166 135.8 106.8 160.2
129 90.5 67.2 100.8
131 88.9 64.7 97.1



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

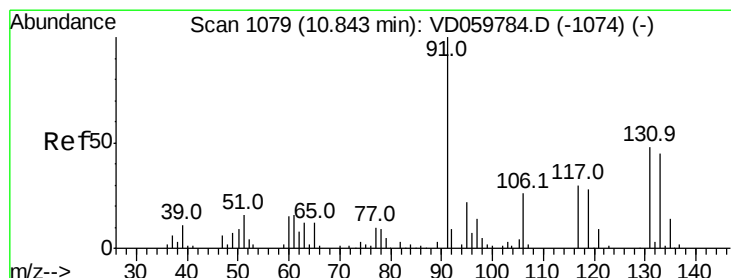
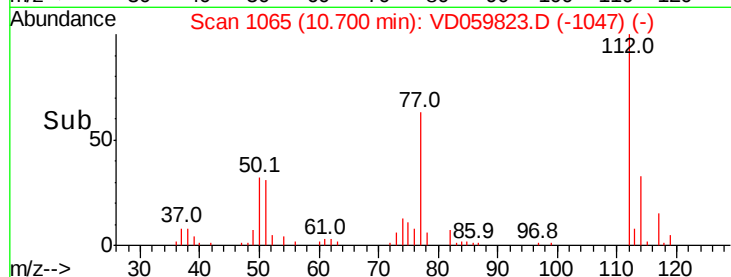
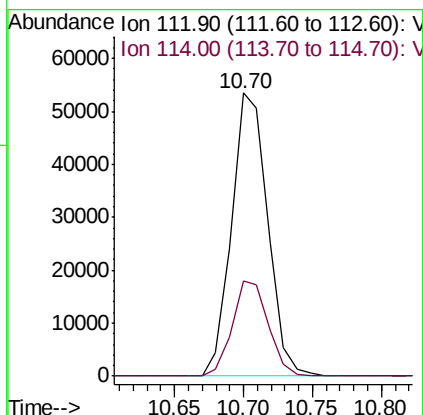
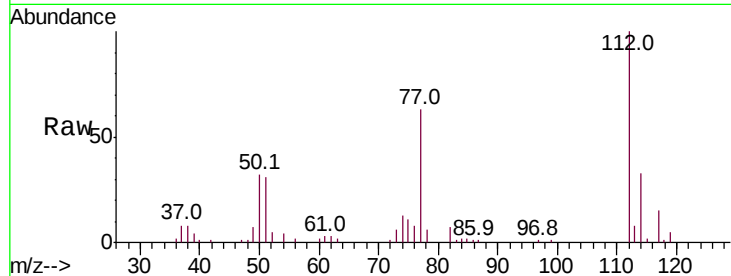




#65
Chlorobenzene
Concen: 20.210 ug/l
RT: 10.70 min Scan# 1065
Delta R.T. -0.03 min
Lab File: VD059823.D
Acq: 16 Aug 2018 21:06

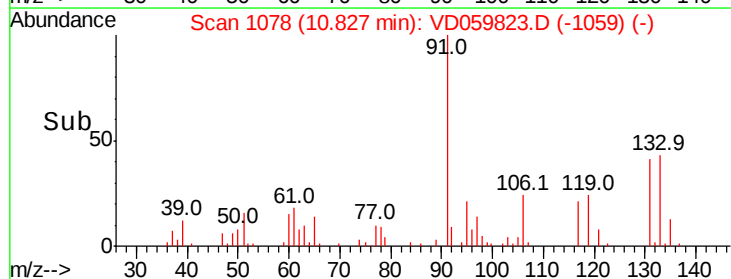
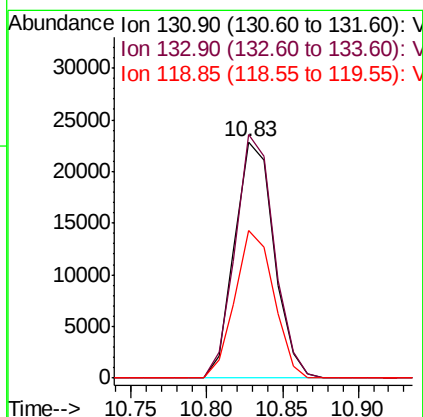
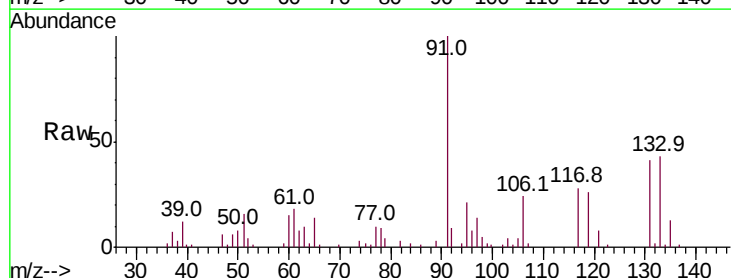
Instrument :
MSVOA_D
ClientSampled :

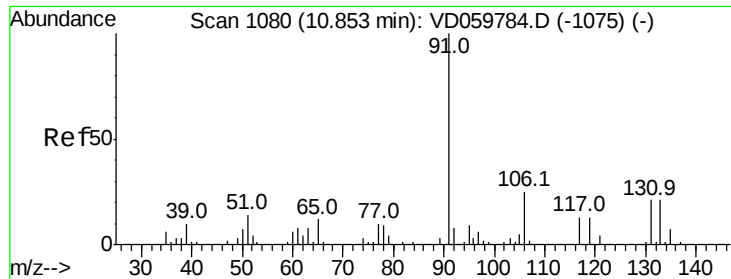
Tot Ion:112 Resp: 97173
Ion Ratio Lower Upper
112 100
114 33.5 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 21.369 ug/l
RT: 10.83 min Scan# 1078
Delta R.T. -0.02 min
Lab File: VD059823.D
Acq: 16 Aug 2018 21:06

Tgt Ion:131 Resp: 41411
Ion Ratio Lower Upper
131 100
133 103.2 47.0 141.0
119 62.6 29.0 87.1

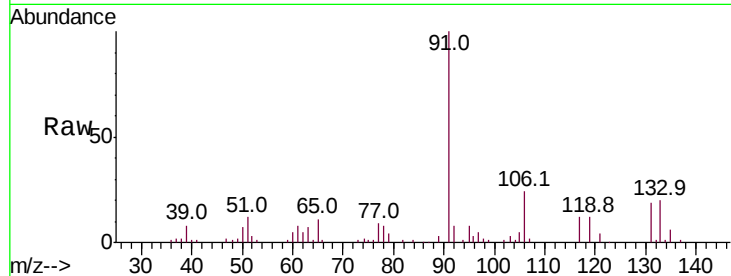




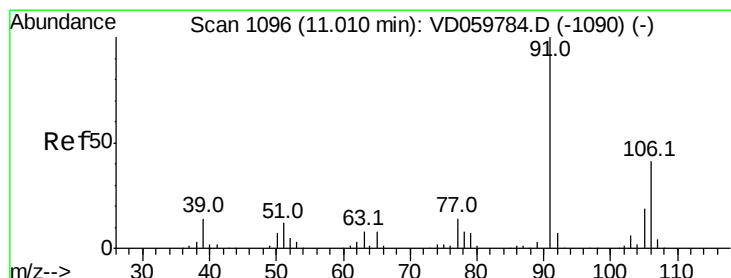
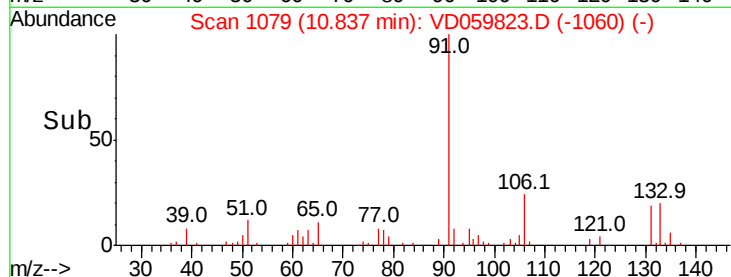
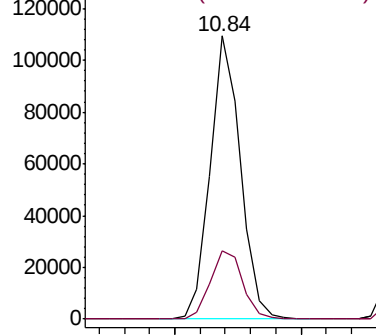
#67
Ethyl Benzene
Concen: 21.801 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. -0.02 min
Lab File: VD059823.D
Acq: 16 Aug 2018 21:06

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 180475
Ion Ratio Lower Upper
91 100
106 24.1 20.1 30.1

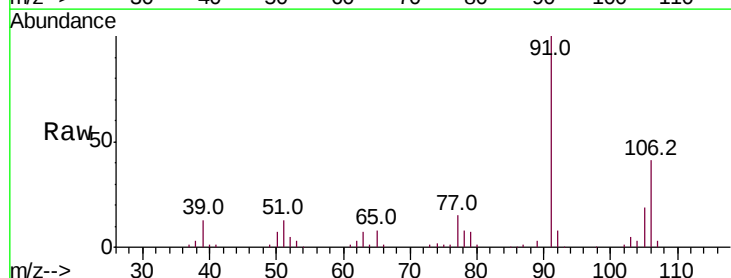


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

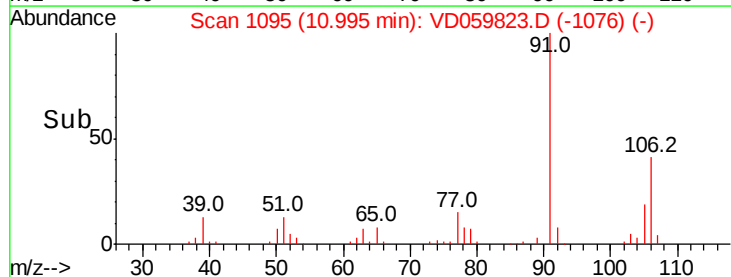
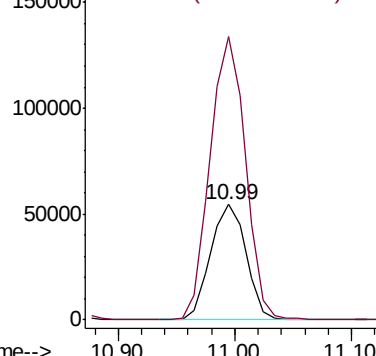


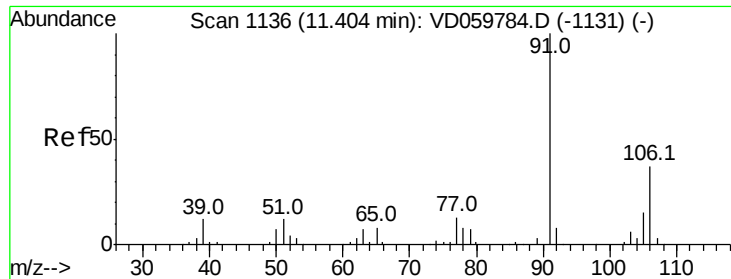
#68
m/p-Xylenes
Concen: 41.306 ug/l
RT: 10.99 min Scan# 1095
Delta R.T. -0.02 min
Lab File: VD059823.D
Acq: 16 Aug 2018 21:06

Tgt Ion:106 Resp: 115898
Ion Ratio Lower Upper
106 100
91 245.0 197.4 296.0



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

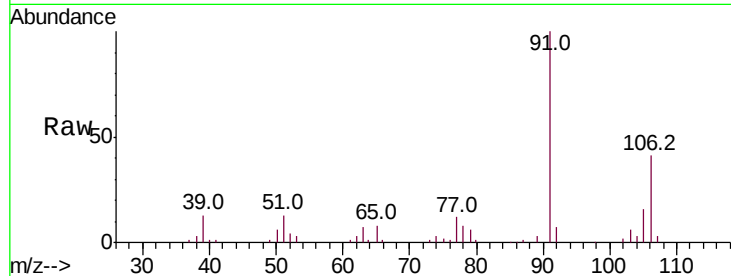




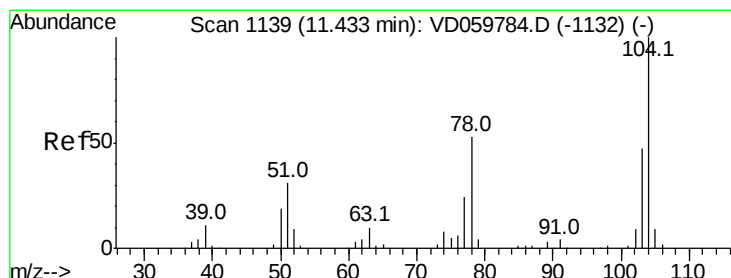
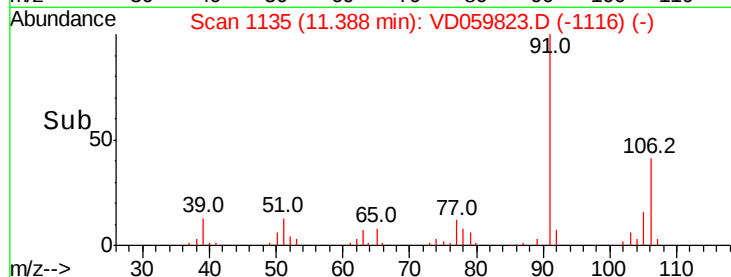
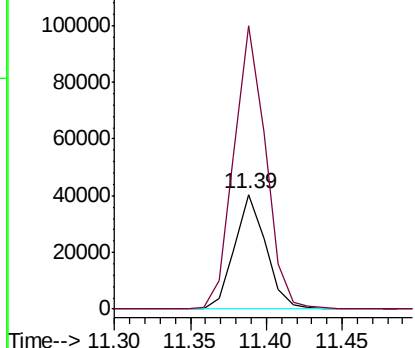
#69
o-Xylene
Concen: 21.619 ug/l
RT: 11.39 min Scan# 1135
Delta R.T. -0.02 min
Lab File: VD059823.D
Acq: 16 Aug 2018 21:06

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 58224
Ion Ratio Lower Upper
106 100
91 246.4 133.7 401.1

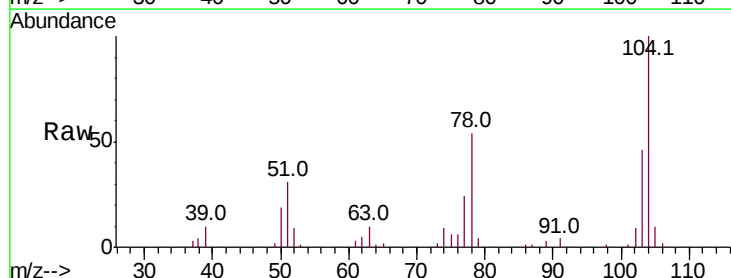


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

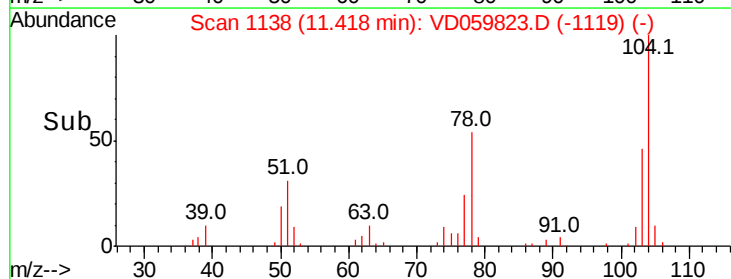
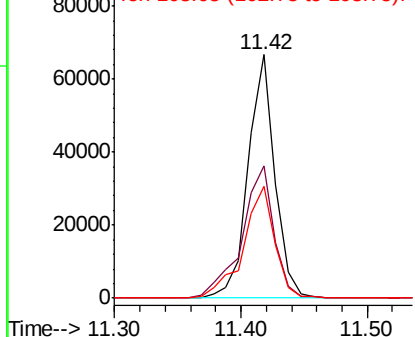


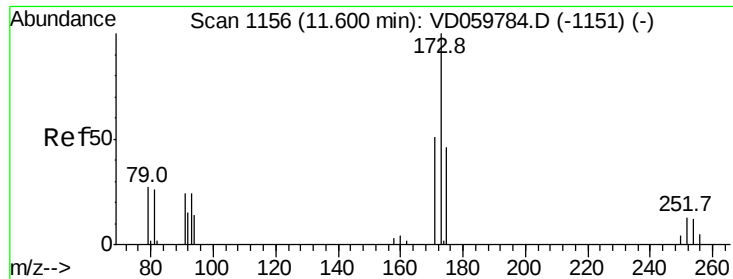
#70
Styrene
Concen: 20.540 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. -0.02 min
Lab File: VD059823.D
Acq: 16 Aug 2018 21:06

Tgt Ion:104 Resp: 98108
Ion Ratio Lower Upper
104 100
78 54.3 42.6 64.0
103 45.7 37.8 56.6



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 20.937 ug/l

RT: 11.58 min Scan# 1155

Delta R.T. -0.02 min

Lab File: VD059823.D

Acq: 16 Aug 2018 21:06

Instrument :

MSVOA_D

ClientSampled :

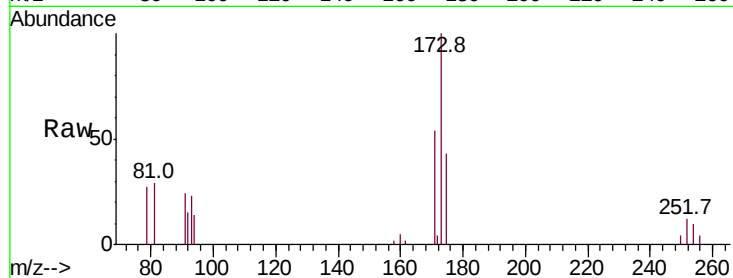
Tot Ion:173 Resp: 29493

Ion Ratio Lower Upper

173 100

175 43.1 23.1 69.2

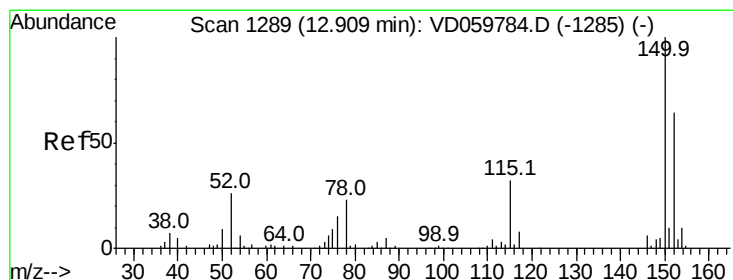
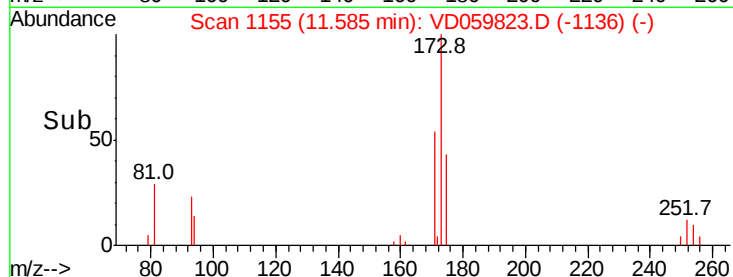
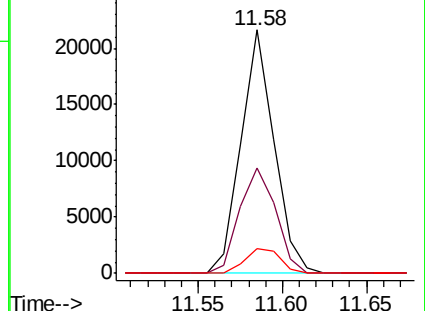
254 10.4 9.7 14.5



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.89 min Scan# 1288

Delta R.T. -0.02 min

Lab File: VD059823.D

Acq: 16 Aug 2018 21:06

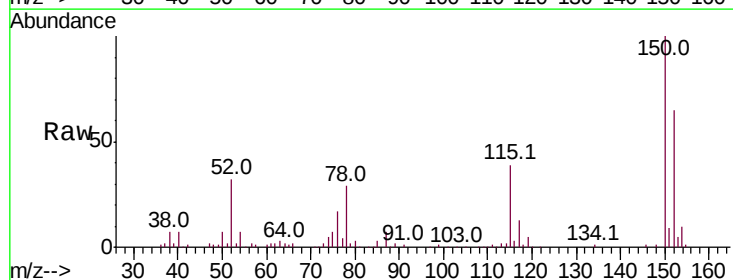
Tgt Ion:152 Resp: 137468

Ion Ratio Lower Upper

152 100

115 59.5 27.2 81.5

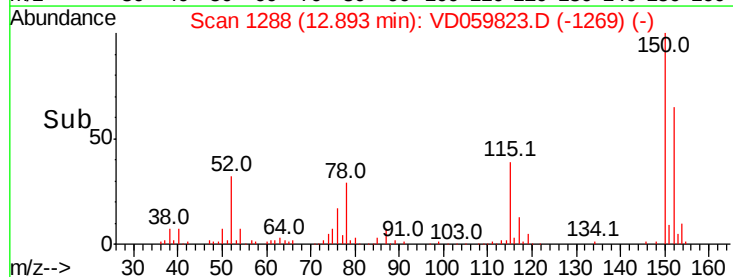
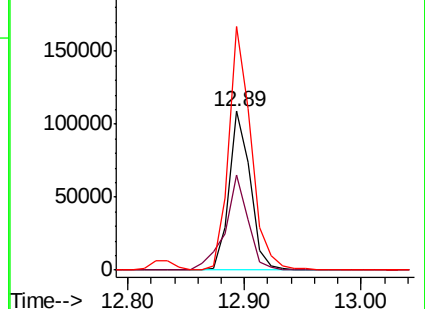
150 153.2 0.0 312.4

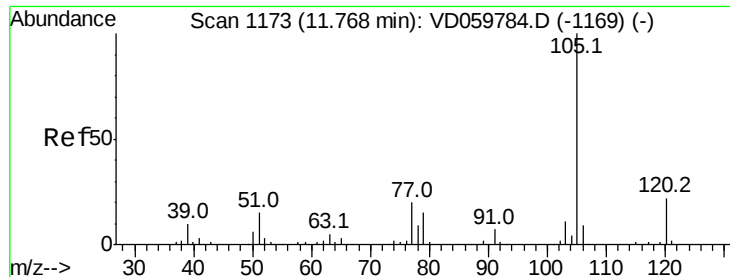


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.951 ug/l

RT: 11.76 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VD059823.D

Acq: 16 Aug 2018 21:06

Instrument :

MSVOA_D

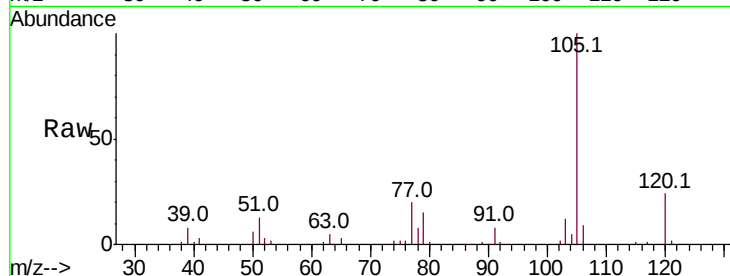
ClientSampleId :

Tot Ion:105 Resp: 164952

Ion Ratio Lower Upper

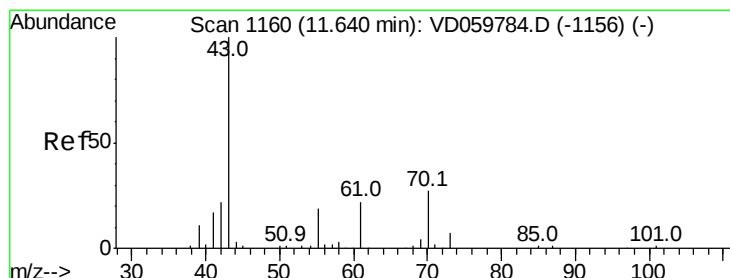
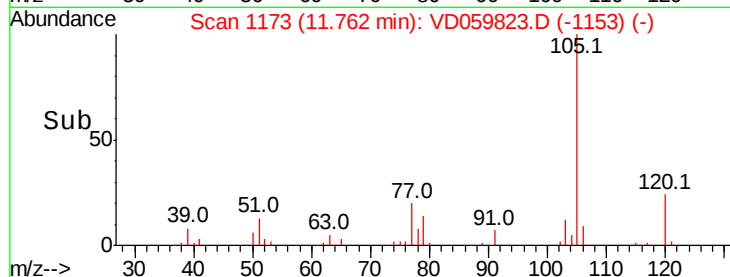
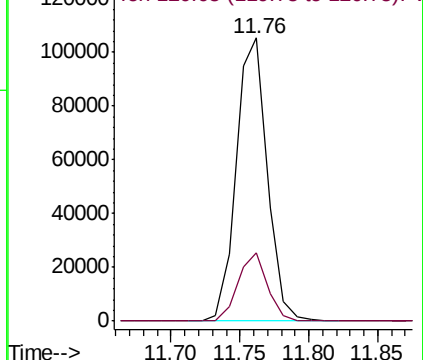
105 100

120 23.9 10.9 32.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 18.026 ug/l

RT: 11.63 min Scan# 1160

Delta R.T. -0.01 min

Lab File: VD059823.D

Acq: 16 Aug 2018 21:06

Tgt Ion: 43 Resp: 48109

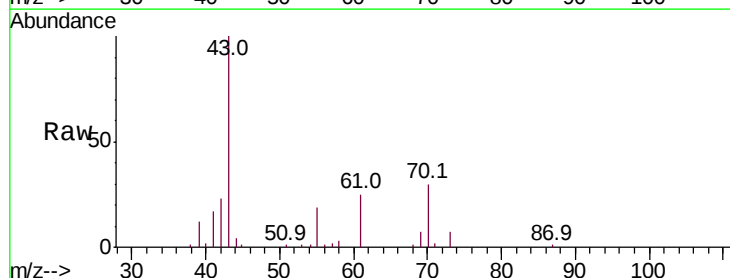
Ion Ratio Lower Upper

43 100

70 30.0 21.8 32.6

55 19.0 15.1 22.7

61 24.6 18.0 27.0

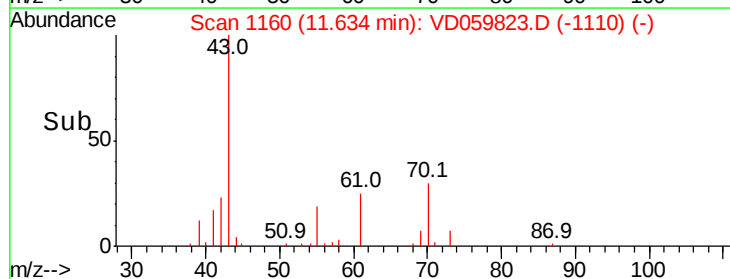
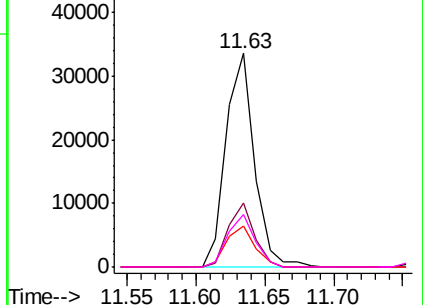


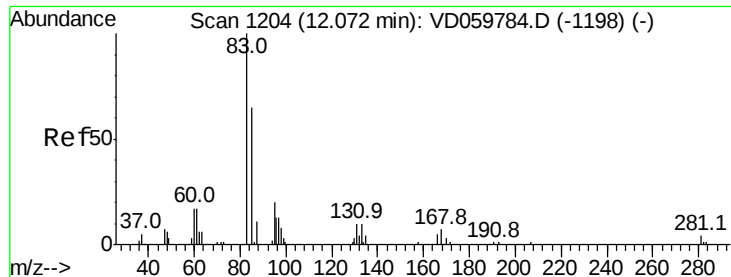
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.537 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD059823.D

Acq: 16 Aug 2018 21:06

Instrument :

MSVOA_D

ClientSampleId :

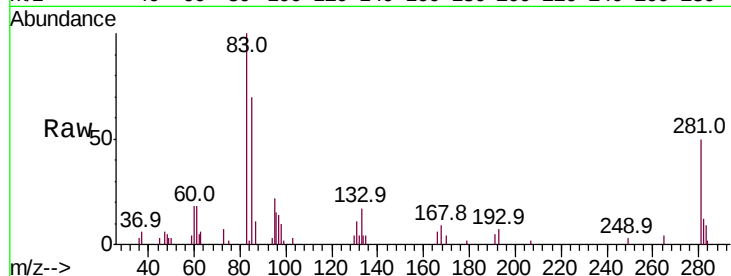
Tot Ion: 83 Resp: 32766

Ion Ratio Lower Upper

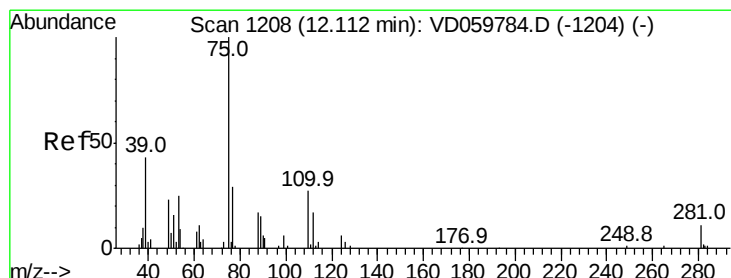
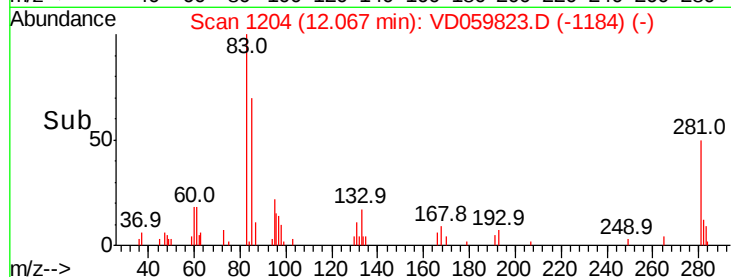
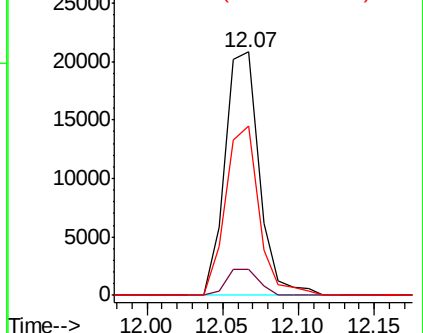
83 100

131 10.6 5.0 15.0

85 69.7 32.8 98.3



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 19.262 ug/l

RT: 12.10 min Scan# 1207

Delta R.T. -0.02 min

Lab File: VD059823.D

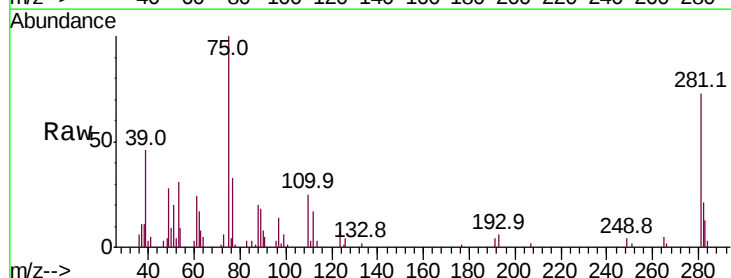
Acq: 16 Aug 2018 21:06

Tgt Ion: 75 Resp: 37568

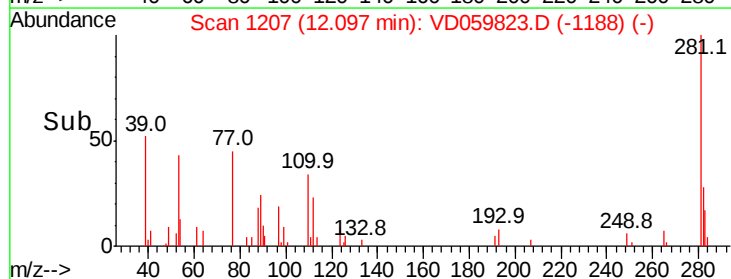
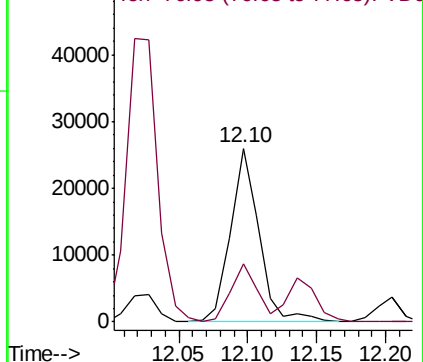
Ion Ratio Lower Upper

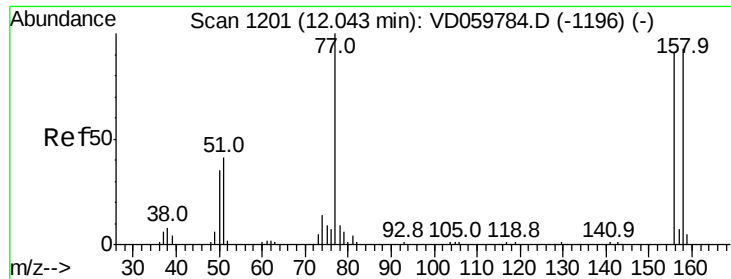
75 100

77 33.1 16.2 48.6



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC

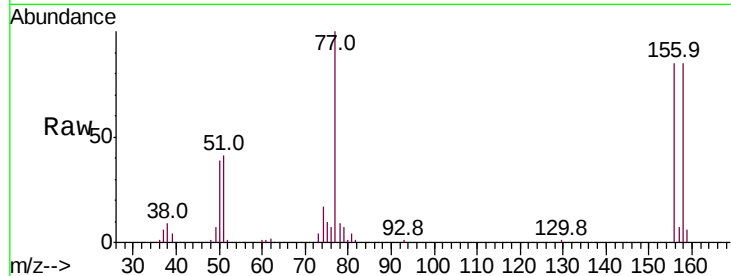




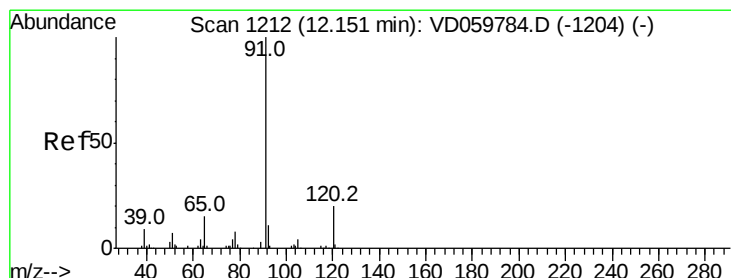
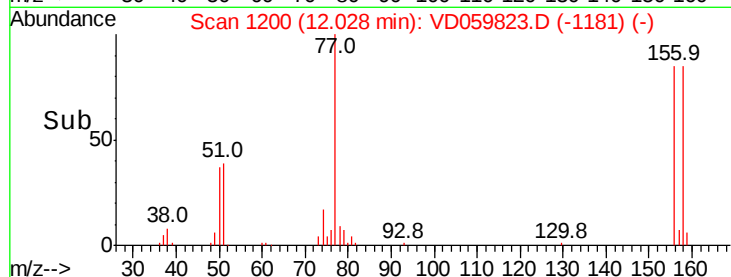
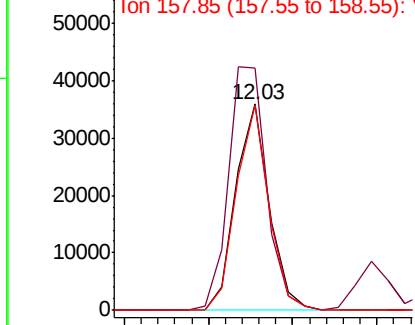
#77
Bromobenzene
Concen: 19.842 ug/l
RT: 12.03 min Scan# 1200
Delta R.T. -0.02 min
Lab File: VD059823.D
Acq: 16 Aug 2018 21:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:156 Resp: 49355
Ion Ratio Lower Upper
156 100
77 117.7 54.9 164.8
158 99.8 51.2 153.6

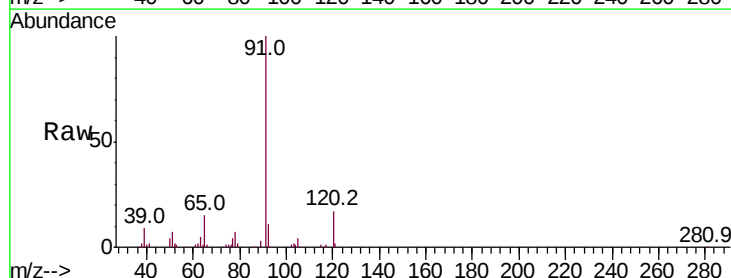


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

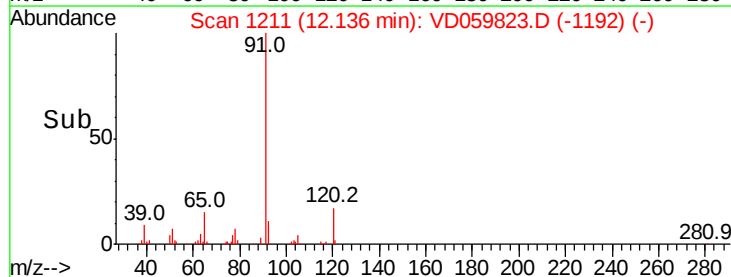
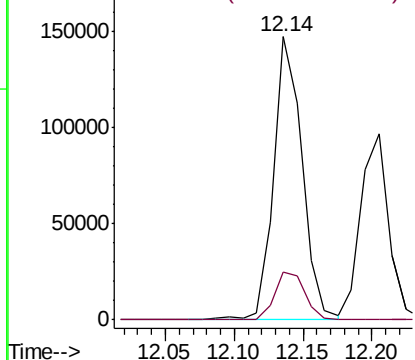


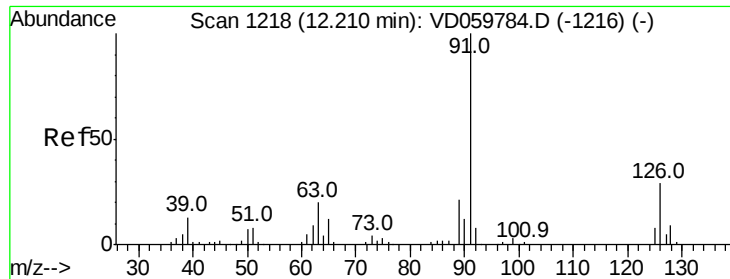
#78
n-propylbenzene
Concen: 19.307 ug/l
RT: 12.14 min Scan# 1211
Delta R.T. -0.02 min
Lab File: VD059823.D
Acq: 16 Aug 2018 21:06

Tgt Ion: 91 Resp: 209632
Ion Ratio Lower Upper
91 100
120 16.9 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 120.05 (119.75 to 120.75): V

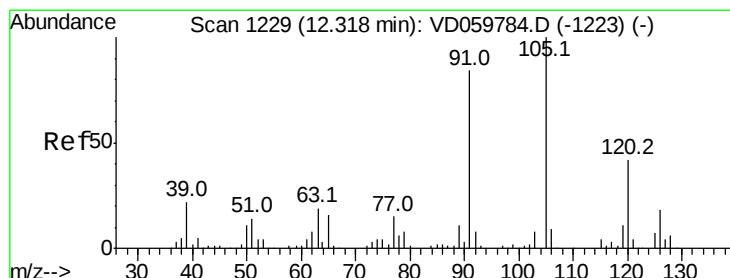
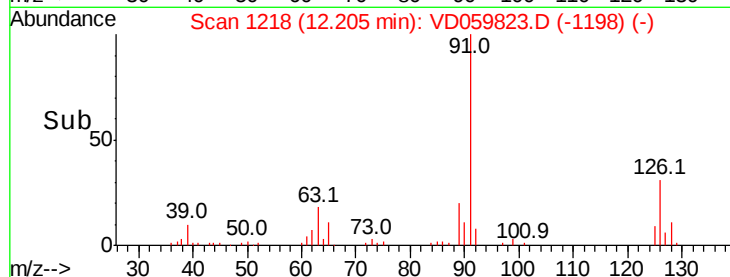
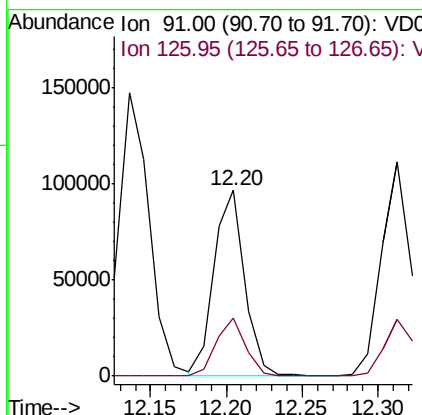
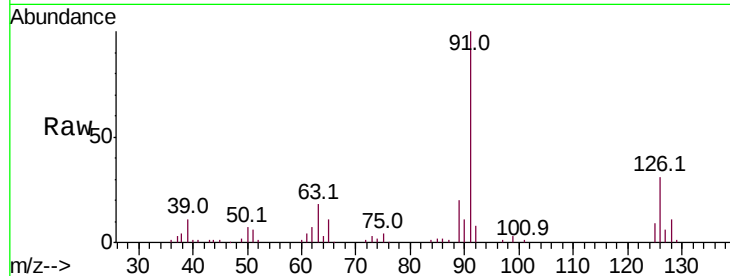




#79
 2-Chlorotoluene
 Concen: 21.012 ug/l
 RT: 12.20 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VD059823.D
 Acq: 16 Aug 2018 21:06

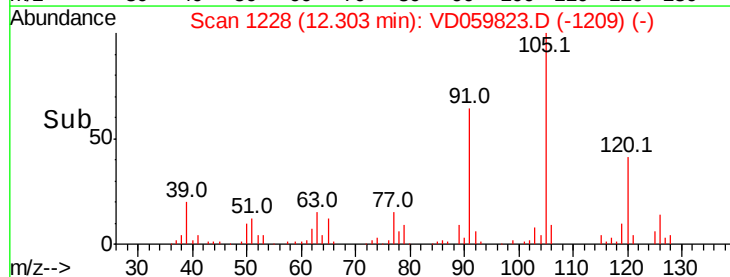
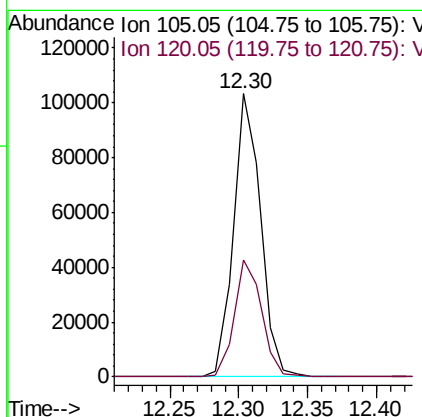
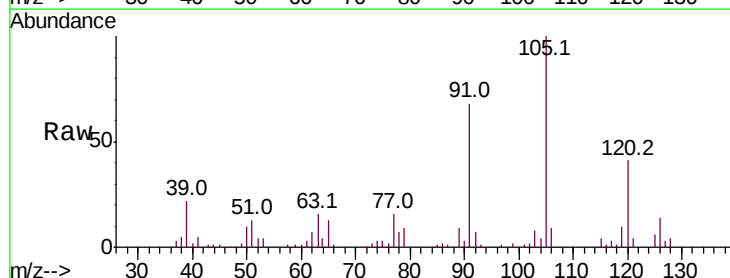
Instrument :
 MSVOA_D
 ClientSampleId :

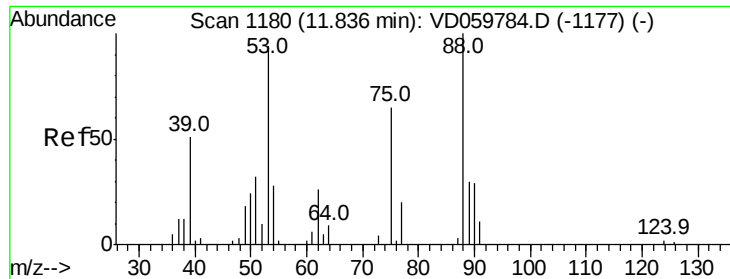
Tot Ion: 91 Resp: 137578
 Ion Ratio Lower Upper
 91 100
 126 31.2 14.0 41.9



#80
 1,3,5-Trimethylbenzene
 Concen: 20.228 ug/l
 RT: 12.30 min Scan# 1228
 Delta R.T. -0.02 min
 Lab File: VD059823.D
 Acq: 16 Aug 2018 21:06

Tgt Ion:105 Resp: 140985
 Ion Ratio Lower Upper
 105 100
 120 41.3 20.8 62.5

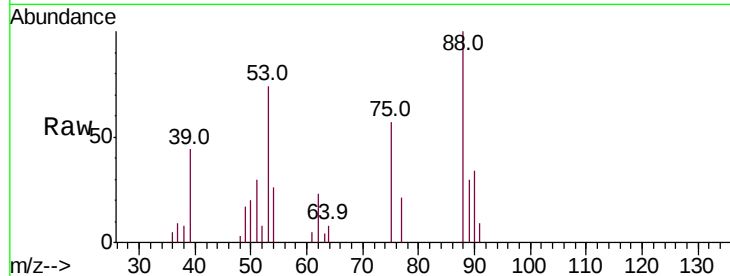




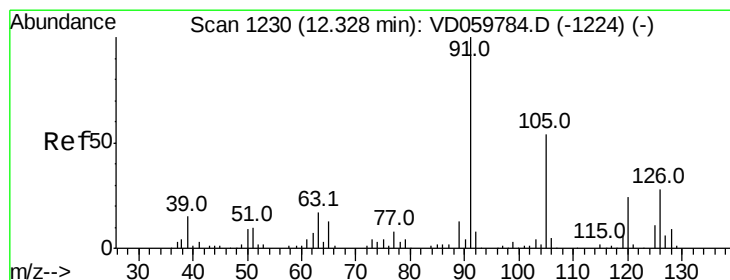
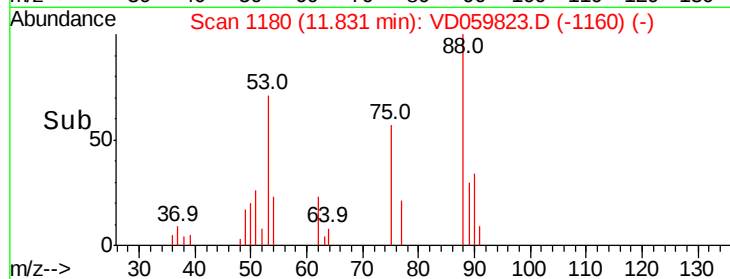
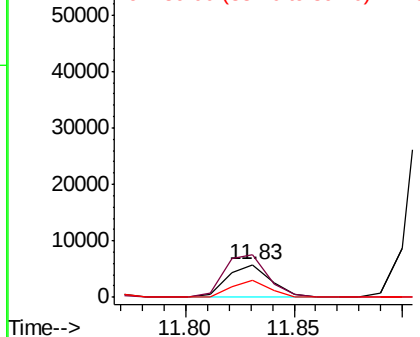
#81
trans-1,4-Dichloro-2-butene
Concen: 17.554 ug/l
RT: 11.83 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD059823.D
Acq: 16 Aug 2018 21:06

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 75 Resp: 8010
Ion Ratio Lower Upper
75 100
53 130.6 116.2 174.2
89 53.5 37.0 55.6

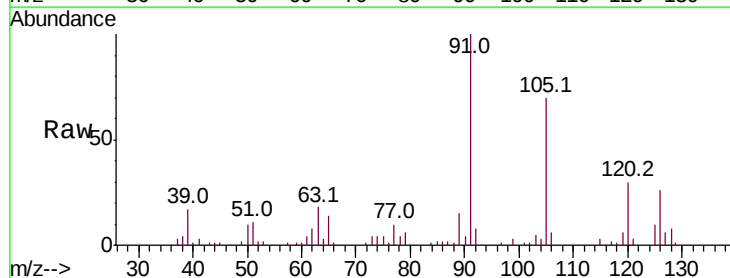


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

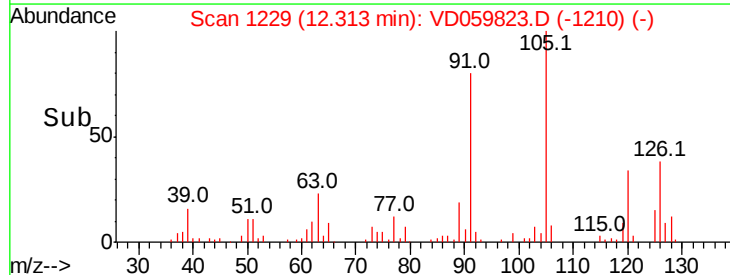
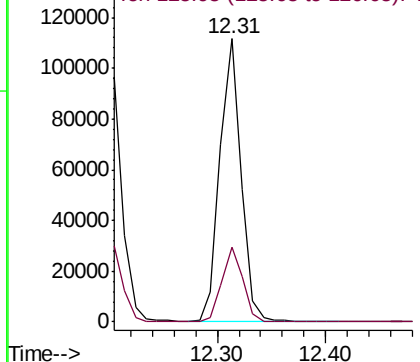


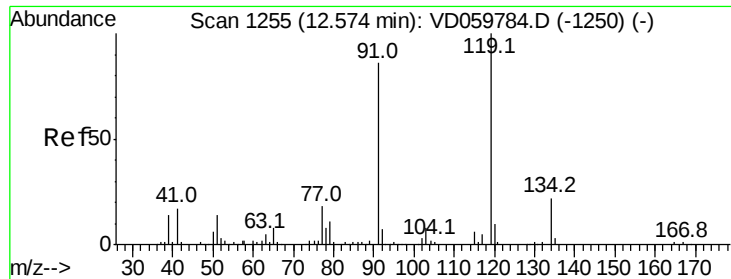
#82
4-Chlorotoluene
Concen: 20.530 ug/l
RT: 12.31 min Scan# 1229
Delta R.T. -0.02 min
Lab File: VD059823.D
Acq: 16 Aug 2018 21:06

Tgt Ion: 91 Resp: 152572
Ion Ratio Lower Upper
91 100
126 26.4 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

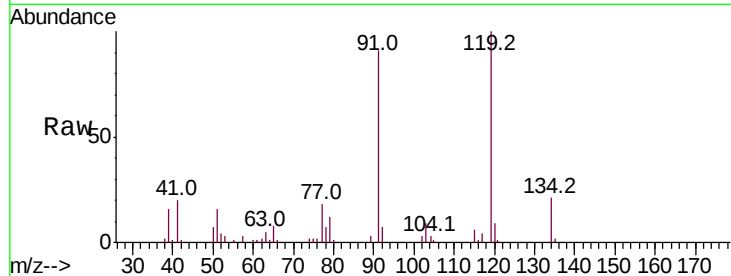




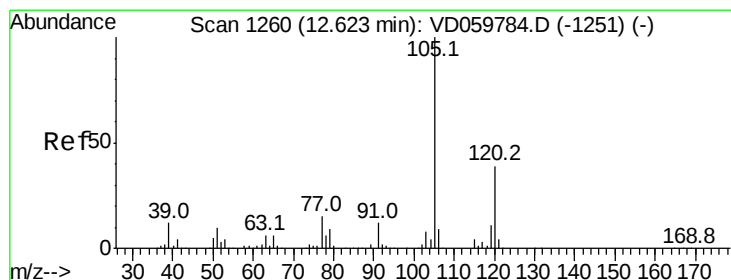
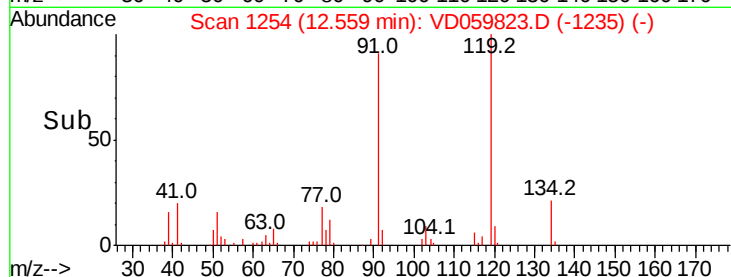
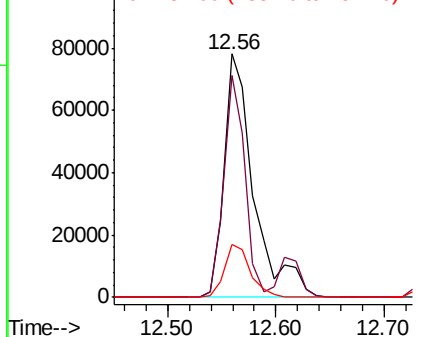
#83
 tert-Butylbenzene
 Concen: 19.284 ug/l
 RT: 12.56 min Scan# 1254
 Delta R.T. -0.02 min
 Lab File: VD059823.D
 Acq: 16 Aug 2018 21:06

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:119 Resp: 148509
 Ion Ratio Lower Upper
 119 100
 91 91.3 43.1 129.3
 134 21.5 11.2 33.5

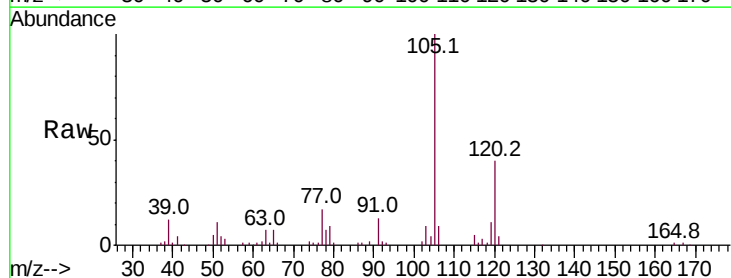


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

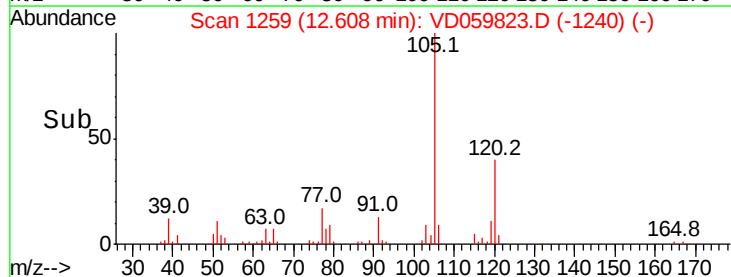
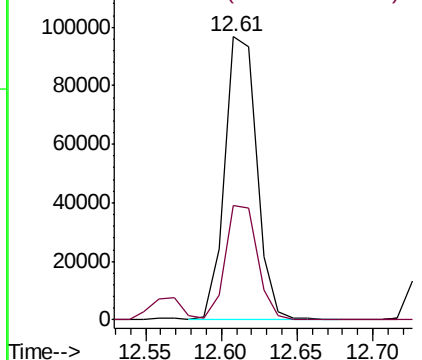


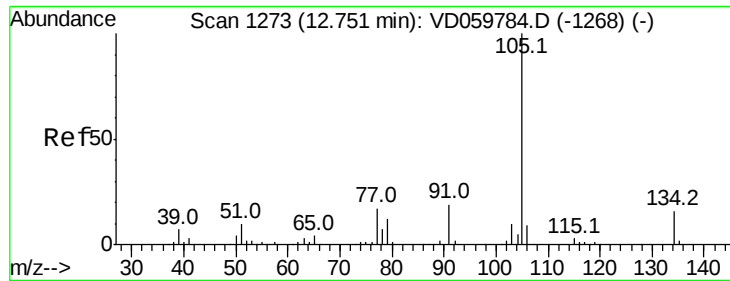
#84
 1,2,4-Trimethylbenzene
 Concen: 18.988 ug/l
 RT: 12.61 min Scan# 1259
 Delta R.T. -0.02 min
 Lab File: VD059823.D
 Acq: 16 Aug 2018 21:06

Tgt Ion:105 Resp: 142609
 Ion Ratio Lower Upper
 105 100
 120 40.3 19.6 58.8



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V

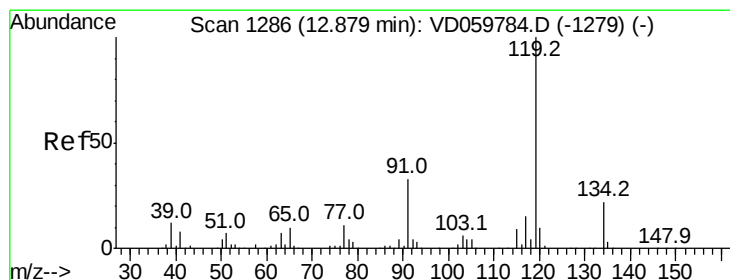
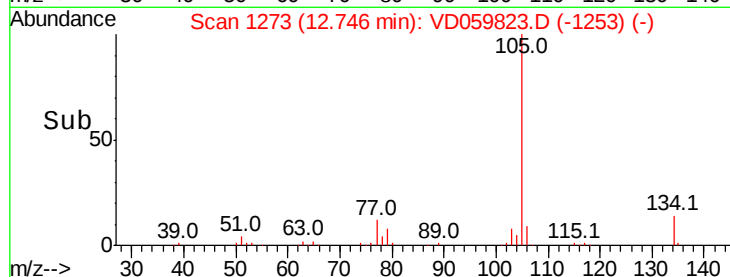
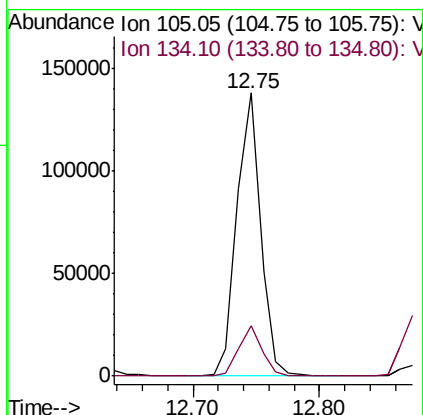
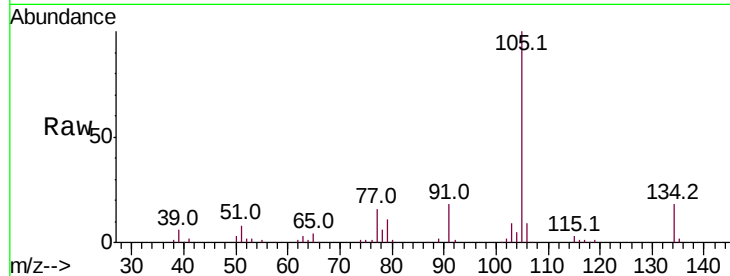




#85
 sec-Butylbenzene
 Concen: 20.180 ug/l
 RT: 12.75 min Scan# 1273
 Delta R.T. -0.01 min
 Lab File: VD059823.D
 Acq: 16 Aug 2018 21:06

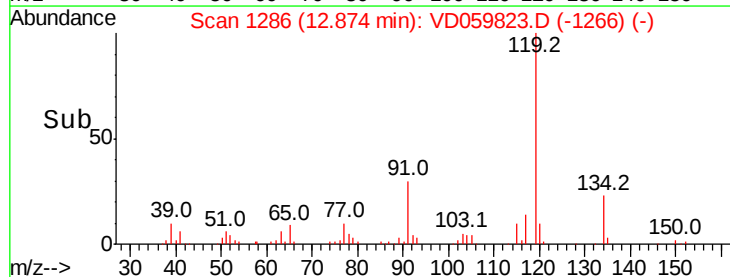
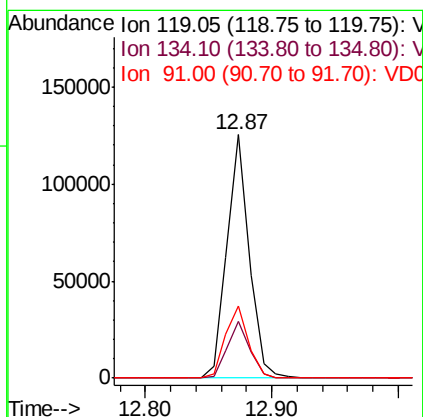
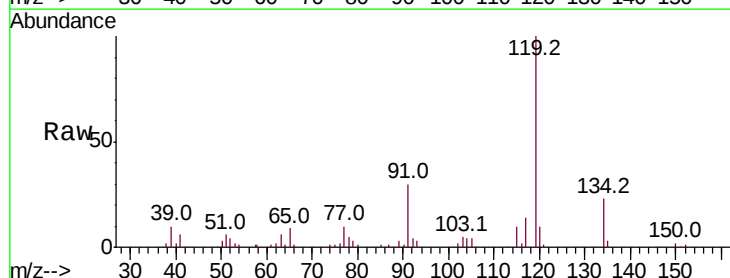
Instrument :
 MSVOA_D
 ClientSampleId :

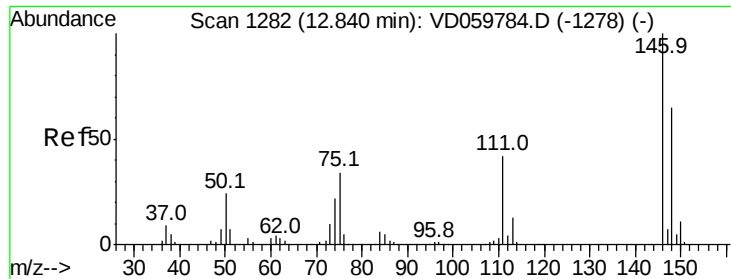
Tot Ion:105 Resp: 180126
 Ion Ratio Lower Upper
 105 100
 134 18.0 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 20.388 ug/l
 RT: 12.87 min Scan# 1286
 Delta R.T. -0.01 min
 Lab File: VD059823.D
 Acq: 16 Aug 2018 21:06

Tgt Ion:119 Resp: 152276
 Ion Ratio Lower Upper
 119 100
 134 23.5 10.9 32.6
 91 29.7 16.4 49.4

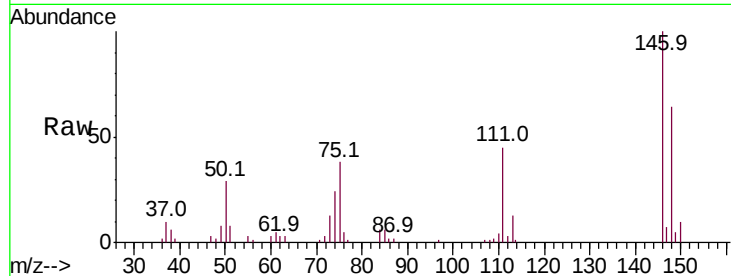




#87
 1,3-Dichlorobenzene
 Concen: 20.066 ug/l
 RT: 12.82 min Scan# 1281
 Delta R.T. -0.02 min
 Lab File: VD059823.D
 Acq: 16 Aug 2018 21:06

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	20.9	62.8
148	63.7	32.6	97.8

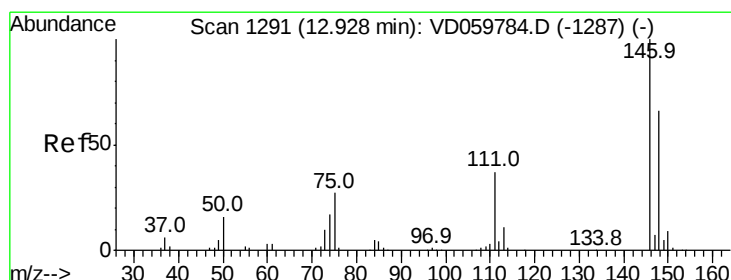
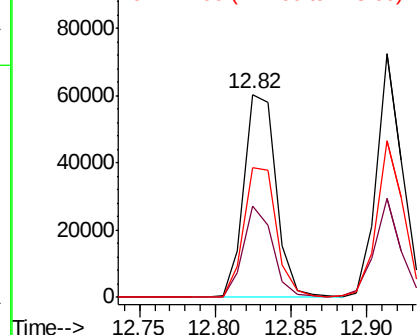
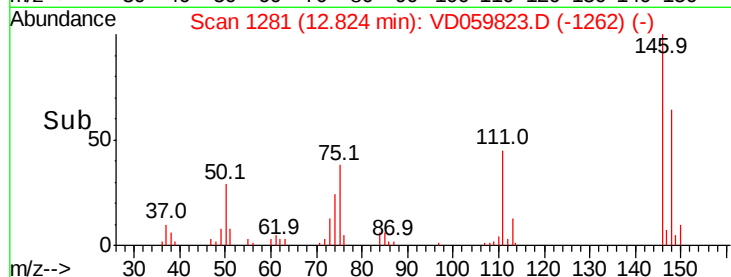


Abundance

Ion 145.95 (145.65 to 146.65): V

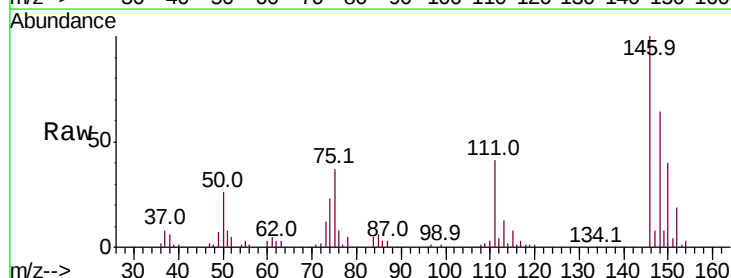
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88
 1,4-Dichlorobenzene
 Concen: 19.524 ug/l
 RT: 12.91 min Scan# 1290
 Delta R.T. -0.02 min
 Lab File: VD059823.D
 Acq: 16 Aug 2018 21:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	18.6	55.6
148	64.3	33.0	99.0

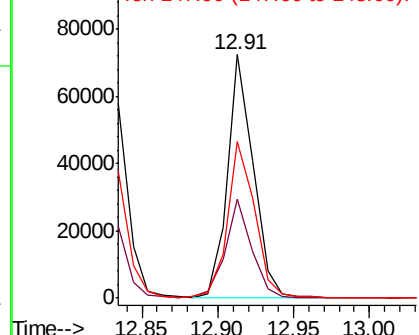
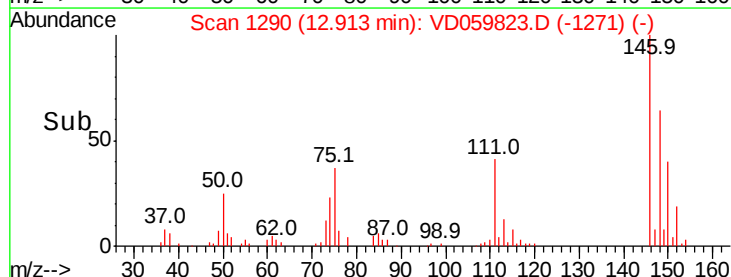


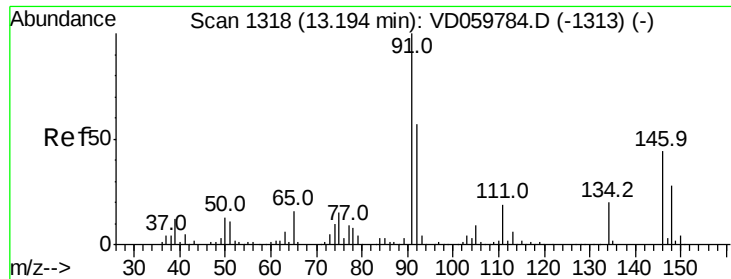
Abundance

Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

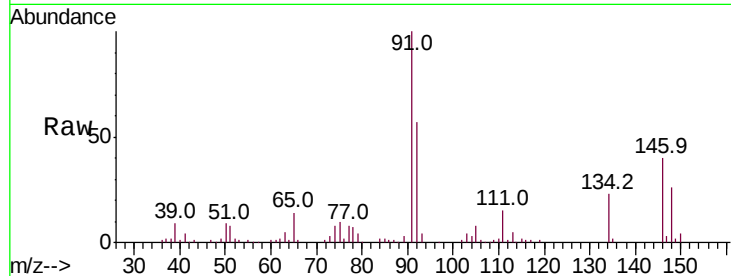




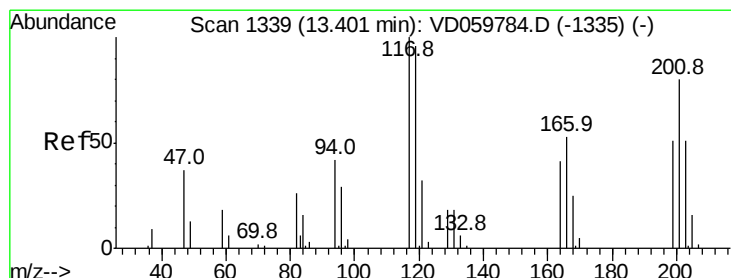
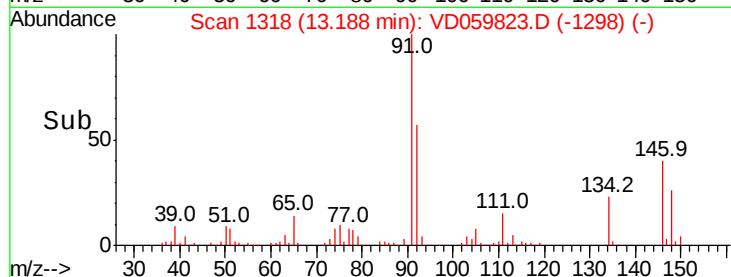
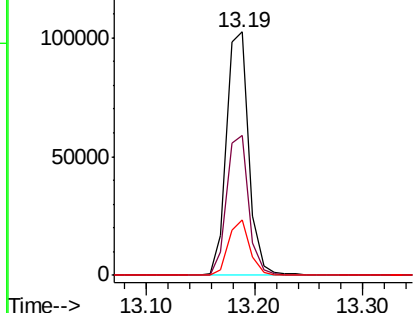
#89
n-Butylbenzene
Concen: 19.631 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. -0.01 min
Lab File: VD059823.D
Acq: 16 Aug 2018 21:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 148244
Ion Ratio Lower Upper
91 100
92 57.3 28.4 85.3
134 22.6 10.2 30.4

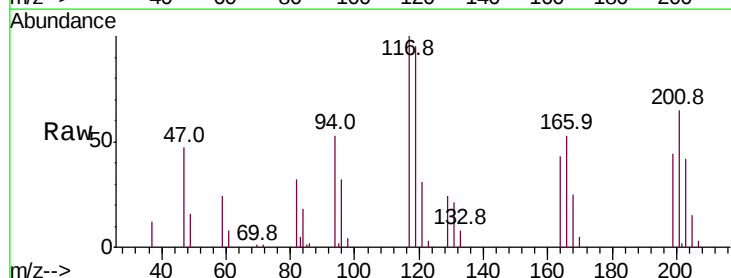


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

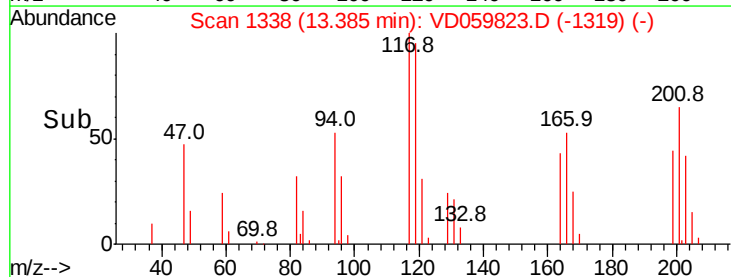
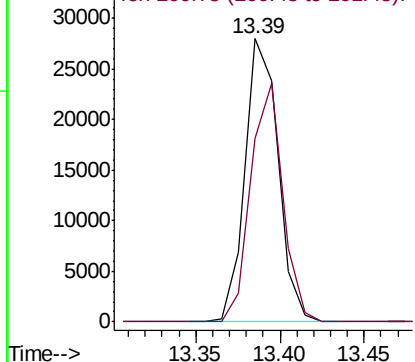


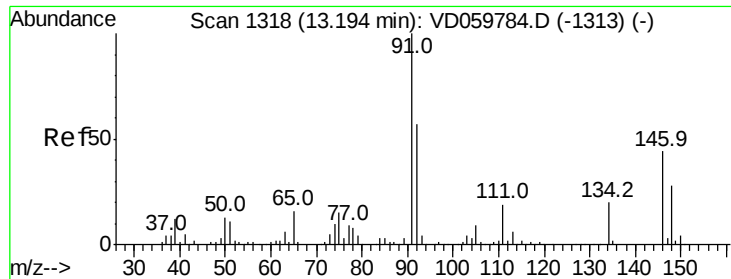
#90
Hexachloroethane
Concen: 20.389 ug/l
RT: 13.39 min Scan# 1338
Delta R.T. -0.02 min
Lab File: VD059823.D
Acq: 16 Aug 2018 21:06

Tgt Ion: 117 Resp: 38212
Ion Ratio Lower Upper
117 100
201 64.7 39.9 119.7



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

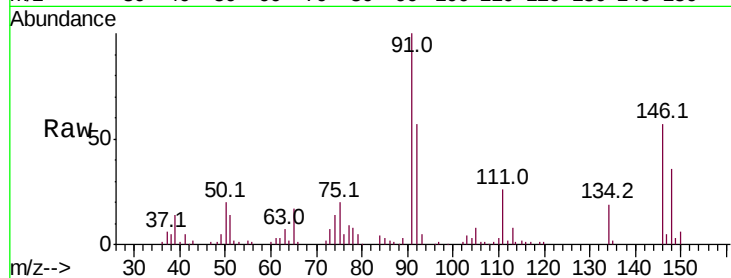




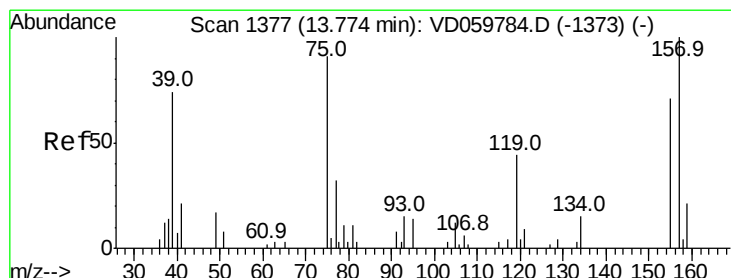
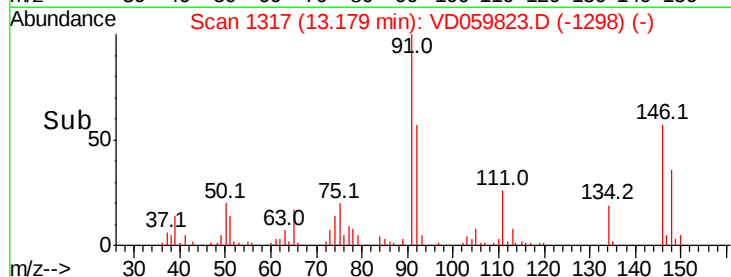
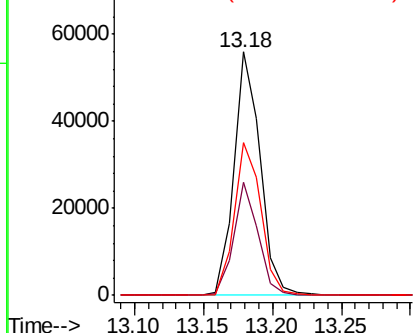
#91
 1,2-Dichlorobenzene
 Concen: 20.173 ug/l
 RT: 13.18 min Scan# 1317
 Delta R.T. -0.02 min
 Lab File: VD059823.D
 Acq: 16 Aug 2018 21:06

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:146 Resp: 74005
 Ion Ratio Lower Upper
 146 100
 111 46.5 21.1 63.1
 148 62.7 32.0 96.2

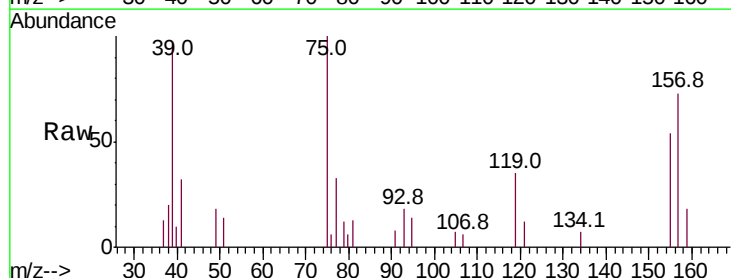


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

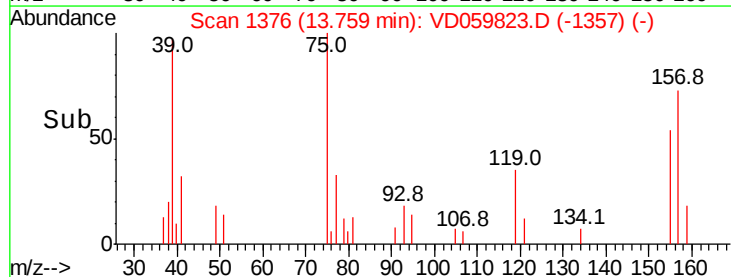
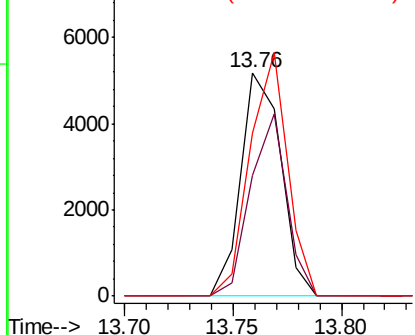


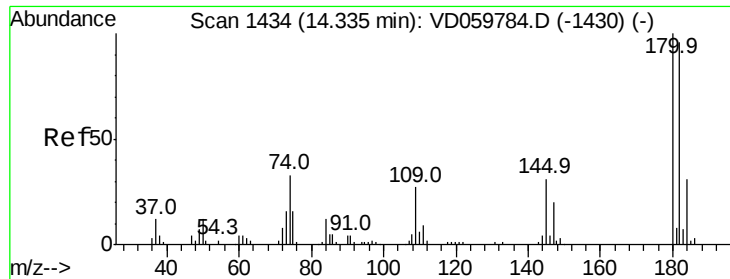
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.151 ug/l
 RT: 13.76 min Scan# 1376
 Delta R.T. -0.02 min
 Lab File: VD059823.D
 Acq: 16 Aug 2018 21:06

Tgt Ion: 75 Resp: 6670
 Ion Ratio Lower Upper
 75 100
 155 54.2 39.0 117.0
 157 72.8 54.8 164.3



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

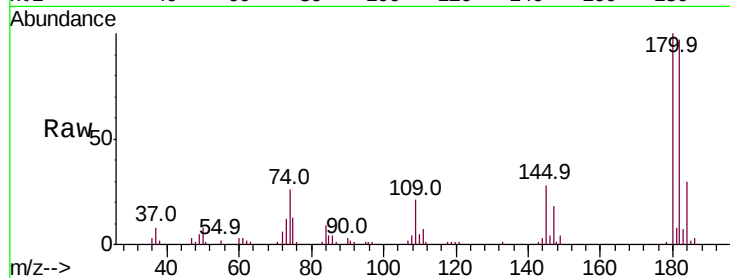




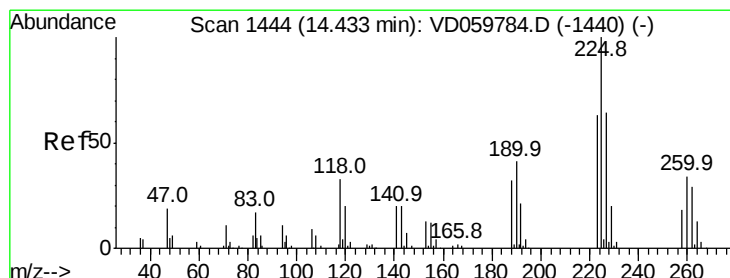
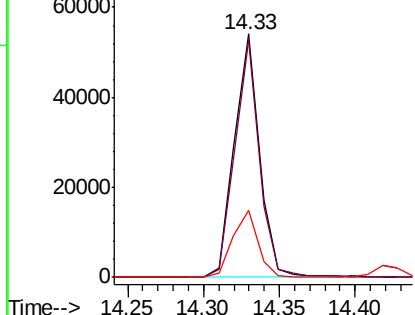
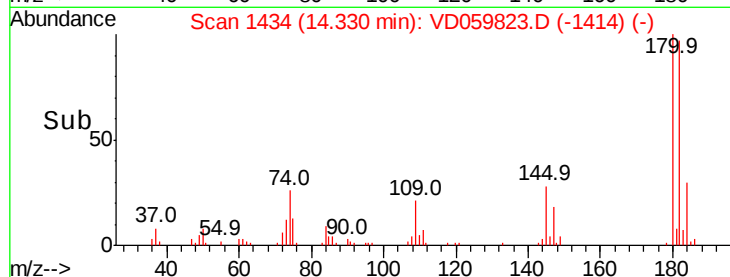
#93
 1,2,4-Trichlorobenzene
 Concen: 20.270 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: VD059823.D
 Acq: 16 Aug 2018 21:06

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 62175
 Ion Ratio Lower Upper
 180 100
 182 97.2 48.0 144.0
 145 27.7 15.5 46.5

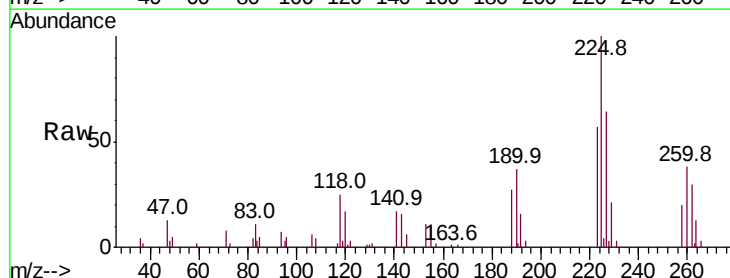


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

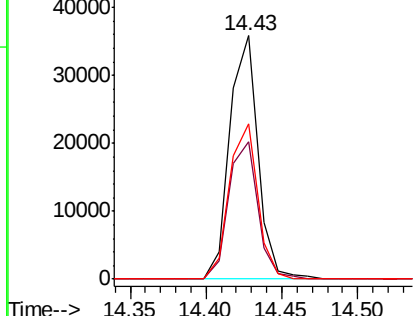
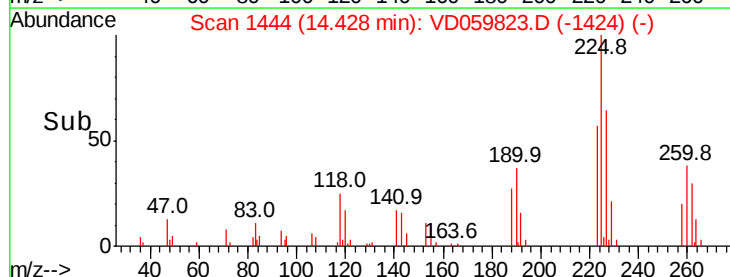


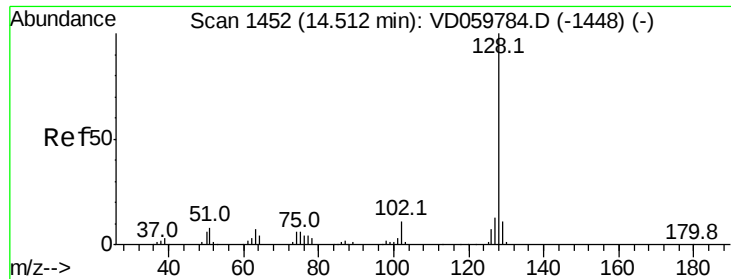
#94
 Hexachlorobutadiene
 Concen: 20.518 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. -0.01 min
 Lab File: VD059823.D
 Acq: 16 Aug 2018 21:06

Tgt Ion:225 Resp: 46456
 Ion Ratio Lower Upper
 225 100
 223 56.7 31.4 94.2
 227 63.9 32.1 96.5



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

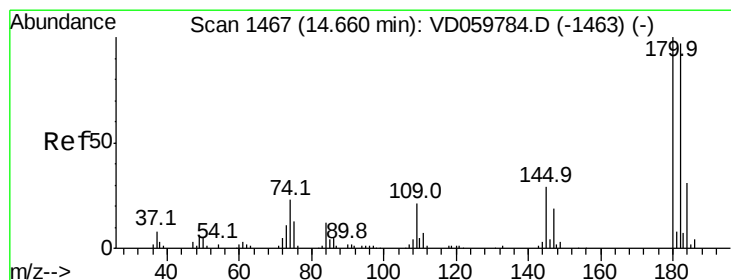
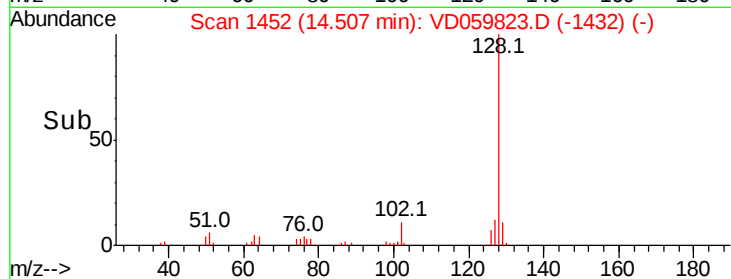
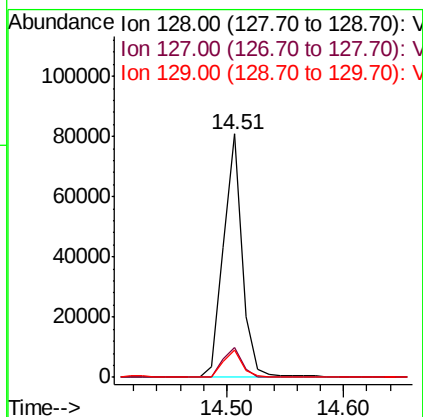
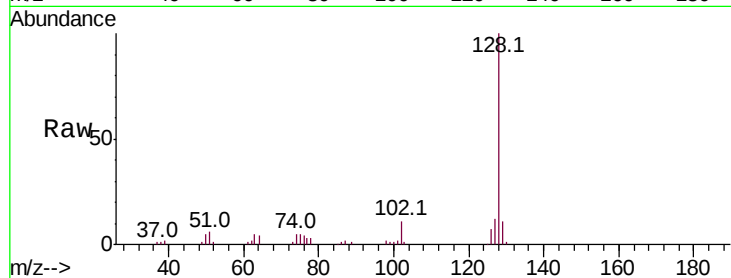




#95
Naphthalene
Concen: 19.244 ug/l
RT: 14.51 min Scan# 1452
Delta R.T. -0.01 min
Lab File: VD059823.D
Acq: 16 Aug 2018 21:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 90373
Ion Ratio Lower Upper
128 100
127 12.4 10.3 15.5
129 11.3 9.1 13.7



#96
1,2,3-Trichlorobenzene
Concen: 20.479 ug/l
RT: 14.65 min Scan# 1467
Delta R.T. -0.01 min
Lab File: VD059823.D
Acq: 16 Aug 2018 21:06

Tgt Ion:180 Resp: 55429
Ion Ratio Lower Upper
180 100
182 94.7 48.5 145.5
145 28.5 14.3 42.9

