

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092518\
 Data File : VD060088.D
 Acq On : 25 Sep 2018 12:49
 Operator : VA/AP
 Sample : VD0925SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBS01

Quant Time: Sep 25 14:40:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1521780	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	2110254	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1727023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	924725	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	624862	52.65	ug/l	0.00
Spiked Amount			Recovery	=	105.30%	
35) Dibromofluoromethane	6.30	113	841054	51.01	ug/l	0.00
Spiked Amount			Recovery	=	102.02%	
50) Toluene-d8	9.44	98	2343630	51.29	ug/l	0.00
Spiked Amount			Recovery	=	102.58%	
62) 4-Bromofluorobenzene	12.42	95	905108	51.85	ug/l	0.00
Spiked Amount			Recovery	=	103.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	295644	18.405	ug/l	99
3) Chloromethane	1.74	50	328669	23.163	ug/l	98
4) Vinyl Chloride	1.84	62	261682	22.941	ug/l	99
5) Bromomethane	2.13	94	21209	15.708	ug/l	96
6) Chloroethane	2.23	64	58703	23.019	ug/l	97
7) Trichlorofluoromethane	2.48	101	289455	23.049	ug/l	98
8) Diethyl Ether	2.81	74	62796	23.523	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.07	101	191673	24.204	ug/l	93
10) Methyl Iodide	3.22	142	178785	21.316	ug/l	93
11) Tert butyl alcohol	3.95	59	86100	89.914	ug/l #	94
12) 1,1-Dichloroethene	3.05	96	153337	24.489	ug/l	96
13) Acrolein	2.96	56	49323	83.176	ug/l	100
14) Allyl chloride	3.52	41	315348	23.881	ug/l	95
15) Acrylonitrile	4.06	53	396989	109.830	ug/l	98
16) Acetone	3.14	43	320025	139.674	ug/l	98
17) Carbon Disulfide	3.29	76	476185	22.072	ug/l	99
18) Methyl Acetate	3.53	43	107474	23.065	ug/l	99
19) Methyl tert-butyl Ether	4.10	73	633448	21.895	ug/l	100
20) Methylene Chloride	3.69	84	427132	22.191	ug/l	97
21) trans-1,2-Dichloroethene	4.08	96	354424	21.570	ug/l	97
22) Diisopropyl ether	4.83	45	1355418	22.502	ug/l	99
23) Vinyl Acetate	4.78	43	3846771	112.728	ug/l	100
24) 1,1-Dichloroethane	4.74	63	588477	21.771	ug/l	99
25) 2-Butanone	5.60	43	760884	123.064	ug/l	100
26) 2,2-Dichloropropane	5.56	77	468941	22.315	ug/l	98
27) cis-1,2-Dichloroethene	5.57	96	378263	22.008	ug/l	96
28) Bromochloromethane	5.91	49	281189	21.641	ug/l	99
29) Tetrahydrofuran	5.94	42	352789	106.397	ug/l	99
30) Chloroform	6.08	83	608618	22.203	ug/l	97
31) Cyclohexane	6.35	56	534525	20.281	ug/l	97
32) 1,1,1-Trichloroethane	6.27	97	496989	21.860	ug/l	100
36) 1,1-Dichloropropene	6.51	75	458951	21.894	ug/l	96
37) Ethyl Acetate	5.68	43	327697	22.733	ug/l	99
38) Carbon Tetrachloride	6.48	117	417707	21.346	ug/l	99

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 Data File : VD060088.D
 Acq On : 25 Sep 2018 12:49
 Operator : VA/AP
 Sample : VD0925SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBS01

Quant Time: Sep 25 14:40:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	528182	22.274	ug/l	94
40) Benzene	6.77	78	1185289	22.185	ug/l	100
41) Methacrylonitrile	5.93	41	356618	47.234	ug/l #	85
42) 1,2-Dichloroethane	6.87	62	338003	21.070	ug/l	99
43) Isopropyl Acetate	8.34	43	403234	20.892	ug/l	99
44) Trichloroethene	7.72	130	365668	22.152	ug/l	99
45) 1,2-Dichloropropane	8.08	63	315801	22.105	ug/l	98
46) Dibromomethane	8.20	93	204498	21.938	ug/l	97
47) Bromodichloromethane	8.47	83	435923	21.691	ug/l	99
48) Methyl methacrylate	8.23	41	231628	21.548	ug/l	100
49) 1,4-Dioxane	8.22	88	43730	409.590	ug/l	94
51) 4-Methyl-2-Pentanone	9.33	43	1630722	116.645	ug/l	99
52) Toluene	9.54	92	772853	22.568	ug/l	99
53) t-1,3-Dichloropropene	9.90	75	398448	21.258	ug/l	98
54) cis-1,3-Dichloropropene	9.09	75	489426	21.854	ug/l	96
55) 1,1,2-Trichloroethane	10.17	97	256167	21.544	ug/l	99
56) Ethyl methacrylate	10.02	69	286860	21.751	ug/l	99
57) 1,3-Dichloropropane	10.36	76	389143	22.172	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.91	63	714471	112.187	ug/l	98
59) 2-Hexanone	10.47	43	1217566	121.759	ug/l	98
60) Dibromochloromethane	10.63	129	316788	21.889	ug/l	99
61) 1,2-Dibromoethane	10.75	107	264767	21.567	ug/l	98
64) Tetrachloroethene	10.24	164	331107	21.730	ug/l	98
65) Chlorobenzene	11.30	112	844499	22.744	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.41	131	295548	23.600	ug/l	99
67) Ethyl Benzene	11.42	91	1466135	24.537	ug/l	98
68) m/p-Xylenes	11.56	106	1062567	48.150	ug/l	96
69) o-Xylene	11.93	106	501280	22.925	ug/l	95
70) Styrene	11.95	104	862819	23.468	ug/l	98
71) Bromoform	12.11	173	222631	20.691	ug/l	97
73) Isopropylbenzene	12.26	105	1419309	23.403	ug/l	98
74) N-amyl acetate	12.13	43	518445	21.581	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	296117	21.523	ug/l	96
76) 1,2,3-Trichloropropane	12.59	75	301680	21.361	ug/l	97
77) Bromobenzene	12.53	156	402625	23.047	ug/l	93
78) n-propylbenzene	12.63	91	1771099	23.223	ug/l	97
79) 2-Chlorotoluene	12.70	91	955405	22.195	ug/l	97
80) 1,3,5-Trimethylbenzene	12.79	105	1124037	24.181	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.33	75	85577	20.073	ug/l	94
82) 4-Chlorotoluene	12.80	91	1120609	23.679	ug/l	92
83) tert-Butylbenzene	13.04	119	1239213	23.011	ug/l	98
84) 1,2,4-Trimethylbenzene	13.09	105	1121678	22.612	ug/l	97
85) sec-Butylbenzene	13.22	105	1472118	23.029	ug/l	96
86) p-Isopropyltoluene	13.34	119	1232763	23.843	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	710198	23.377	ug/l	95
88) 1,4-Dichlorobenzene	13.39	146	707366	22.956	ug/l	98
89) n-Butylbenzene	13.64	91	1223556	22.145	ug/l	98
90) Hexachloroethane	13.85	117	272807	21.303	ug/l	84
91) 1,2-Dichlorobenzene	13.65	146	623632	22.470	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.22	75	39384	18.777	ug/l	68

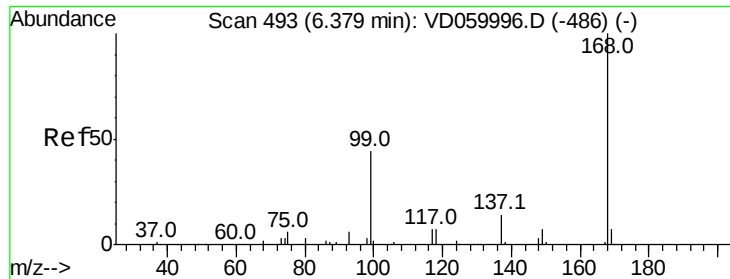
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092518\
Data File : VD060088.D
Acq On : 25 Sep 2018 12:49
Operator : VA/AP
Sample : VD0925SBS01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

Quant Time: Sep 25 14:40:59 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 13 16:17:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	492546	22.751	ug/l	99
94) Hexachlorobutadiene	14.87	225	333897	23.315	ug/l	97
95) Naphthalene	14.96	128	721519	21.580	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	421275	22.081	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 494

Delta R.T. 0.01 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

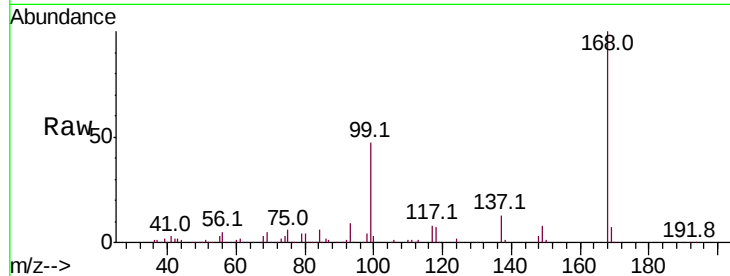
VD0925SBS01

Tot Ion:168 Resp: 1521780

Ion Ratio Lower Upper

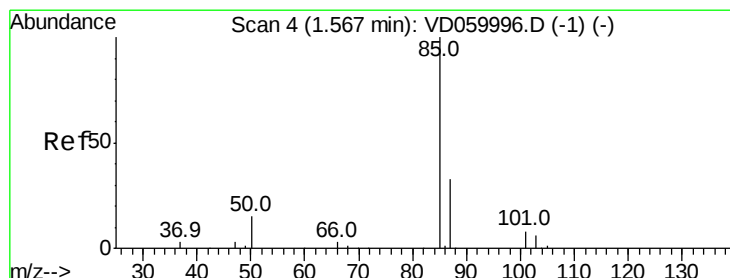
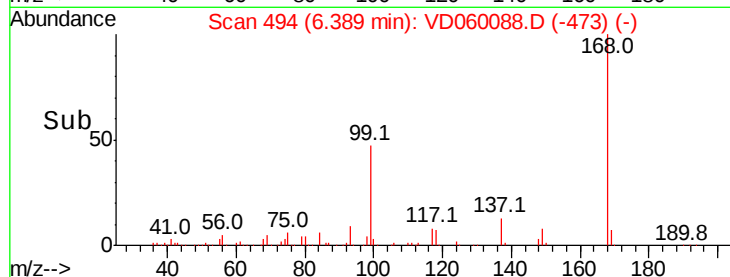
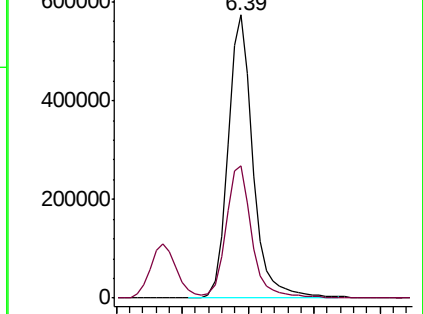
168 100

99 46.7 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 18.405 ug/l

RT: 1.58 min Scan# 5

Delta R.T. 0.01 min

Lab File: VD060088.D

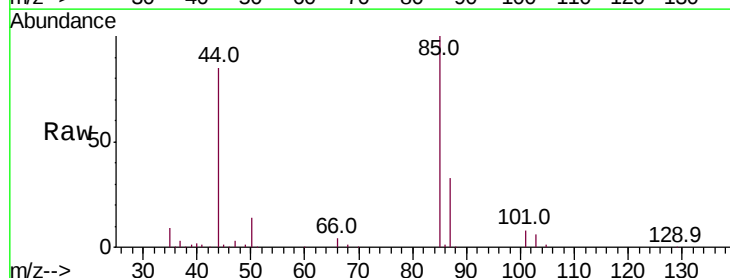
Acq: 25 Sep 2018 12:49

Tgt Ion: 85 Resp: 295644

Ion Ratio Lower Upper

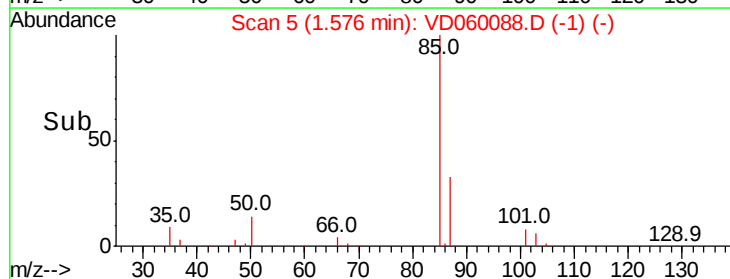
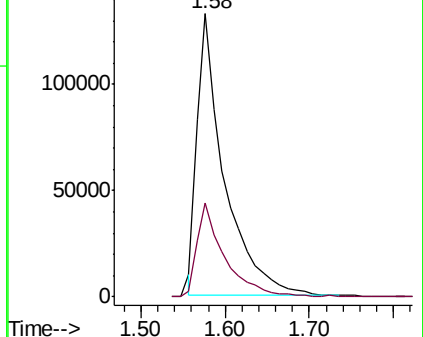
85 100

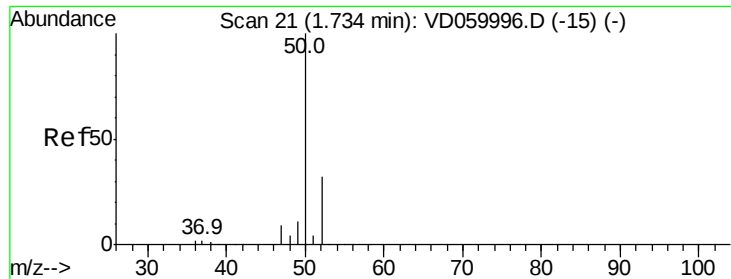
87 33.3 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

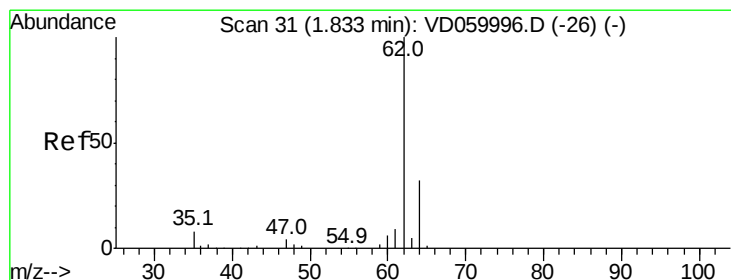
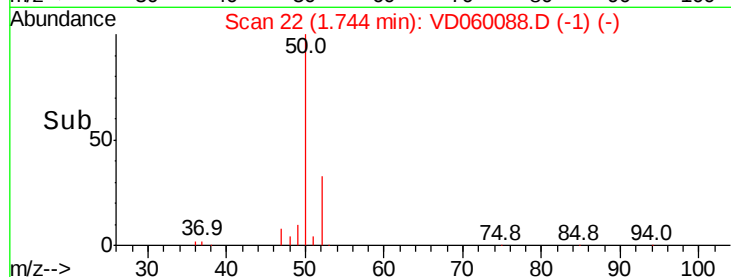
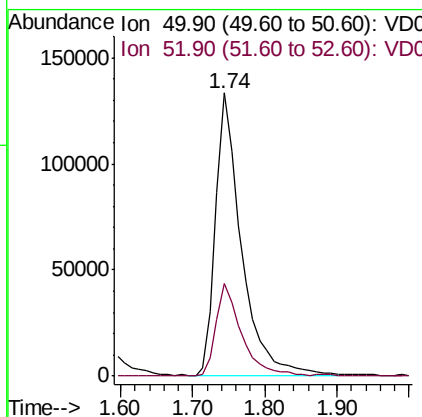
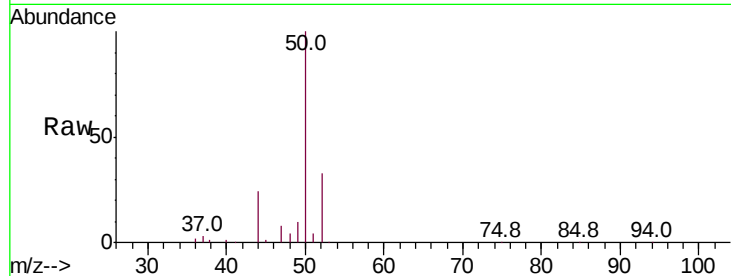




#3
Chloromethane
Concen: 23.163 ug/l
RT: 1.74 min Scan# 22
Delta R.T. 0.01 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

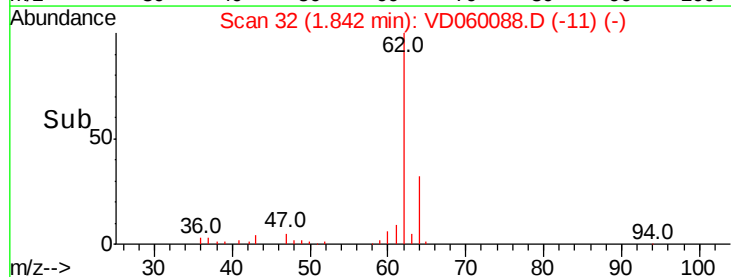
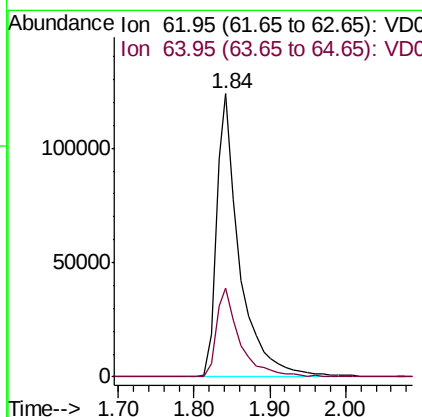
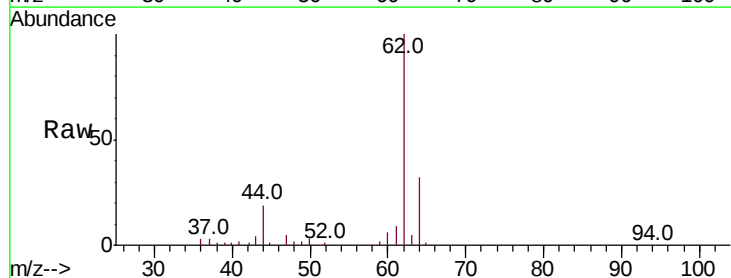
Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

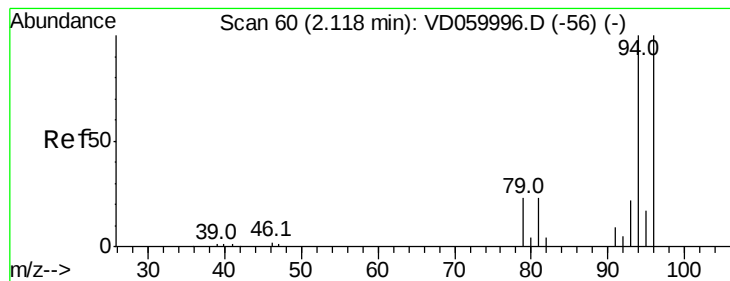
Tot Ion: 50 Resp: 328669
Ion Ratio Lower Upper
50 100
52 32.9 25.4 38.2



#4
Vinyl Chloride
Concen: 22.941 ug/l
RT: 1.84 min Scan# 32
Delta R.T. 0.01 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Tgt Ion: 62 Resp: 261682
Ion Ratio Lower Upper
62 100
64 31.6 25.5 38.3





#5

Bromomethane

Concen: 15.708 ug/l

RT: 2.13 min Scan# 61

Delta R.T. 0.01 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

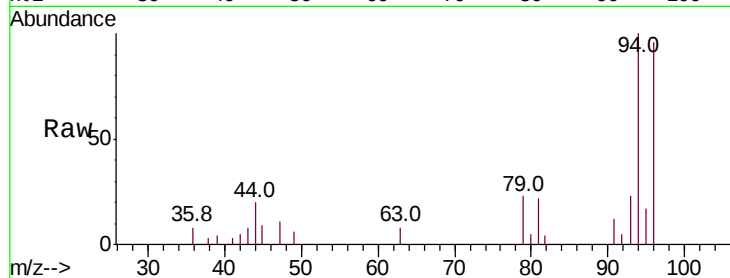
VD0925SBS01

Tot Ion: 94 Resp: 21209

Ion Ratio Lower Upper

94 100

96 95.7 79.8 119.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

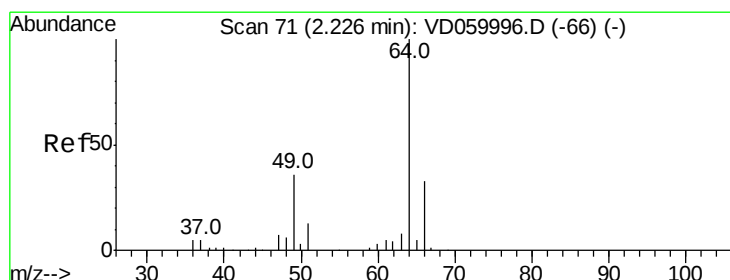
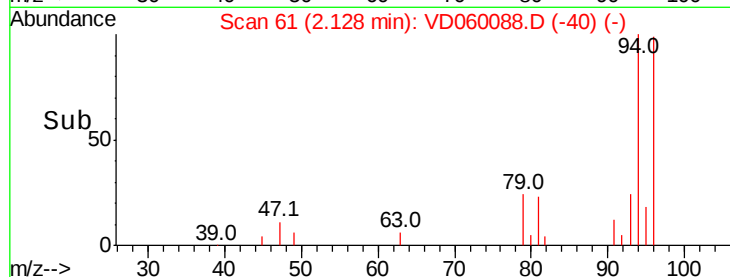
2.13

10000

5000

0

Time--> 2.05 2.10 2.15 2.20



#6

Chloroethane

Concen: 23.019 ug/l

RT: 2.23 min Scan# 71

Delta R.T. -0.00 min

Lab File: VD060088.D

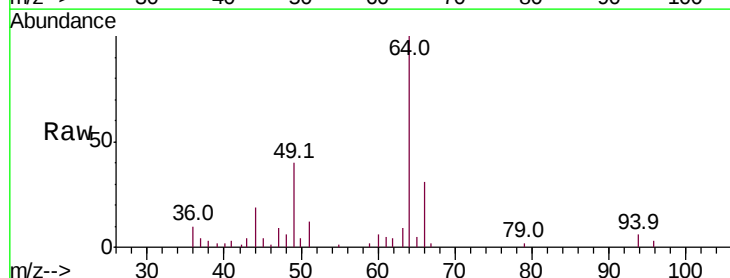
Acq: 25 Sep 2018 12:49

Tgt Ion: 64 Resp: 58703

Ion Ratio Lower Upper

64 100

66 31.2 26.5 39.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.23

25000

20000

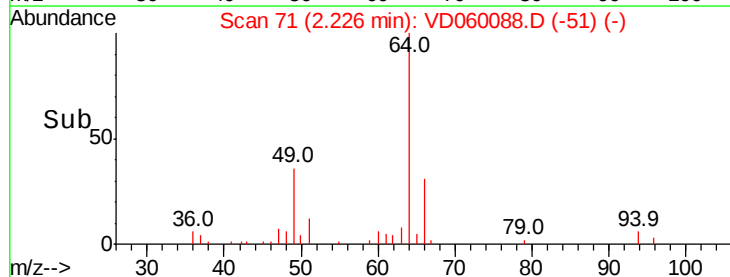
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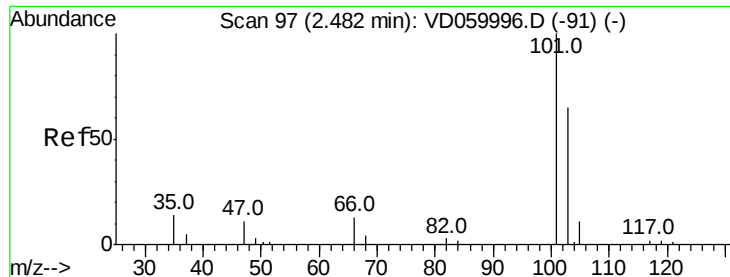
10000

5000

0

Time--> 2.10 2.20 2.30 2.40



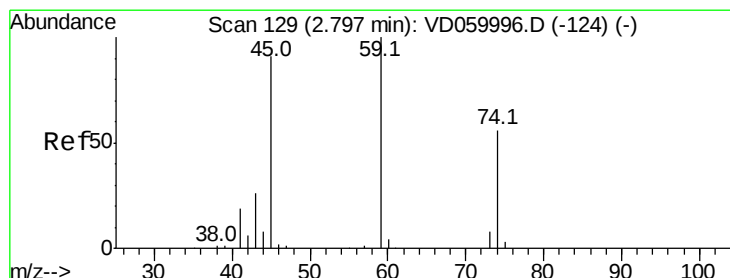
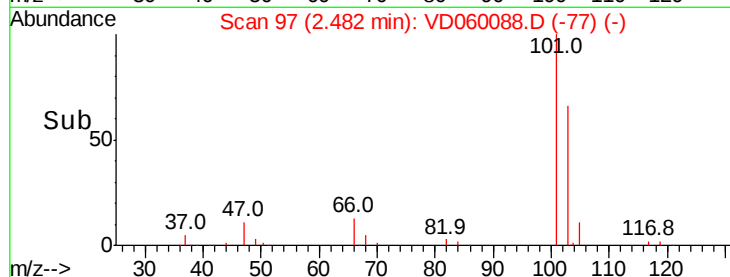
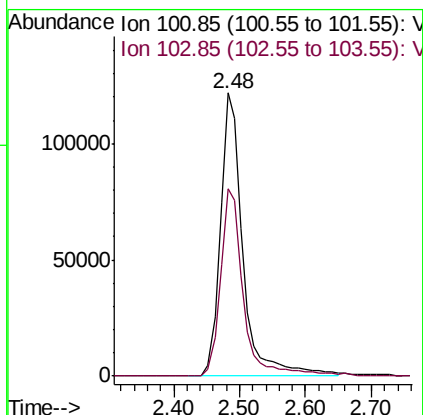
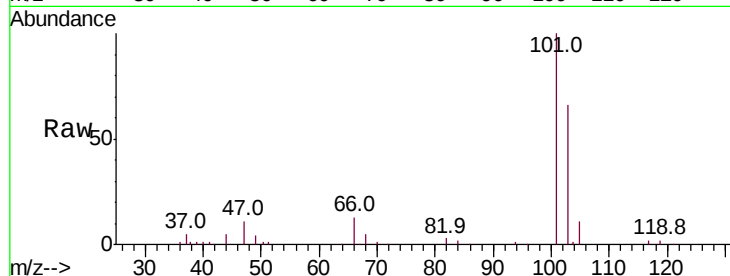


#7

Trichlorofluoromethane
 Concen: 23.049 ug/l
 RT: 2.48 min Scan# 97
 Delta R.T. -0.00 min
 Lab File: VD060088.D
 Acq: 25 Sep 2018 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBS01

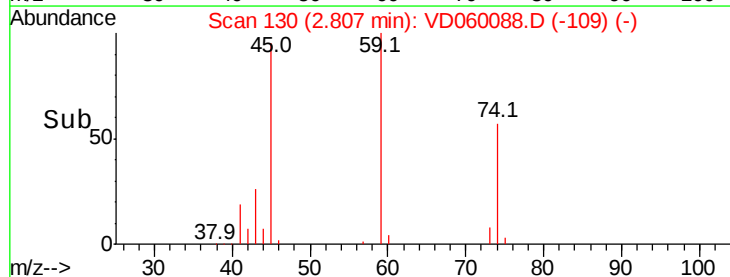
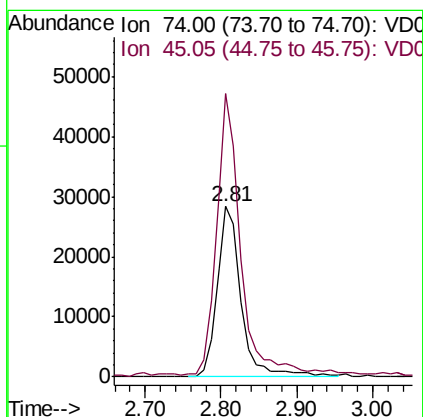
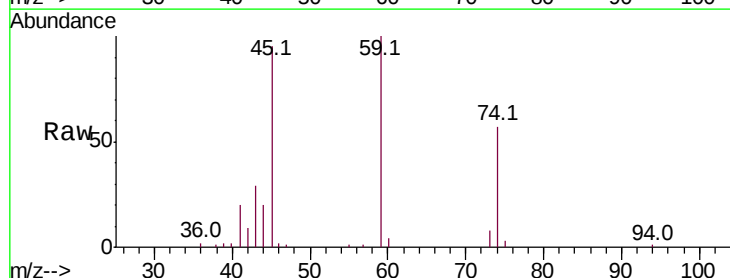
Tot Ion:101 Resp: 289455
 Ion Ratio Lower Upper
 101 100
 103 66.3 51.6 77.4

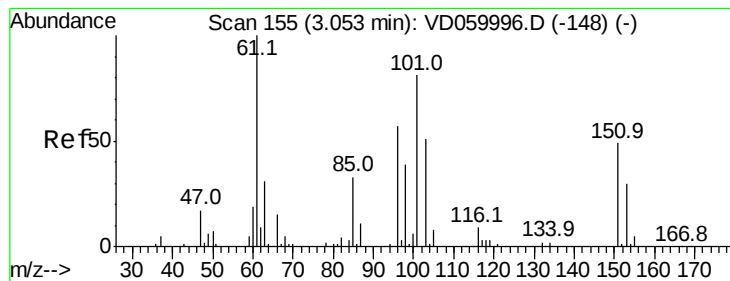


#8

Diethyl Ether
 Concen: 23.523 ug/l
 RT: 2.81 min Scan# 130
 Delta R.T. 0.01 min
 Lab File: VD060088.D
 Acq: 25 Sep 2018 12:49

Tgt Ion: 74 Resp: 62796
 Ion Ratio Lower Upper
 74 100
 45 165.9 81.2 243.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.204 ug/l

RT: 3.07 min Scan# 157

Delta R.T. 0.02 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

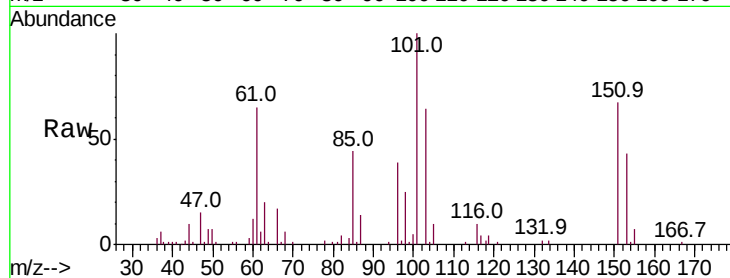
Tot Ion:101 Resp: 191673

Ion Ratio Lower Upper

101 100

85 43.7 33.1 49.7

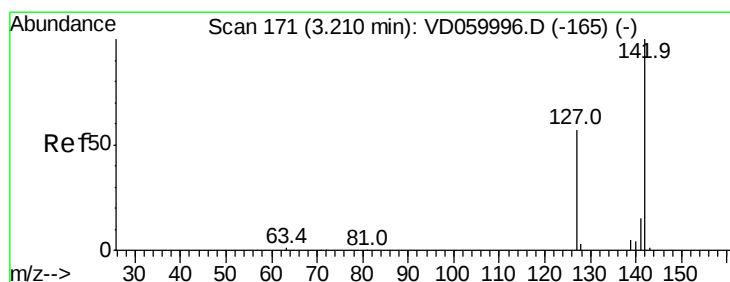
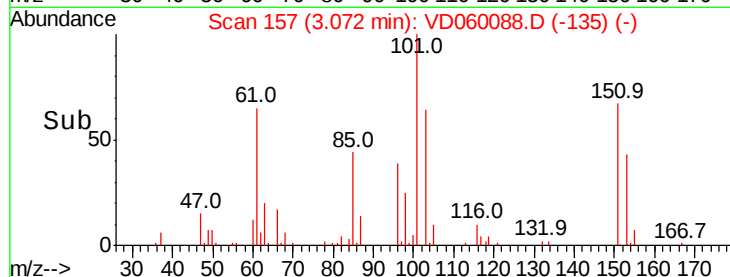
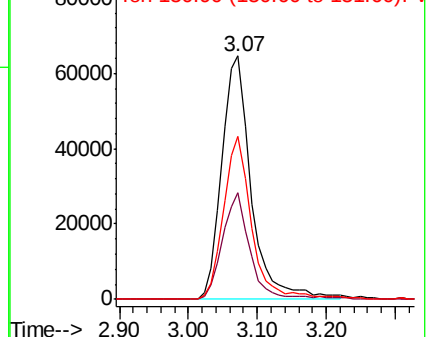
151 67.0 48.2 72.4



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: 21.316 ug/l

RT: 3.22 min Scan# 172

Delta R.T. 0.01 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

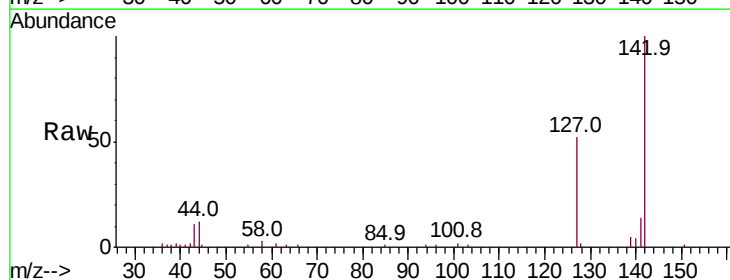
Tgt Ion:142 Resp: 178785

Ion Ratio Lower Upper

142 100

127 51.8 45.8 68.8

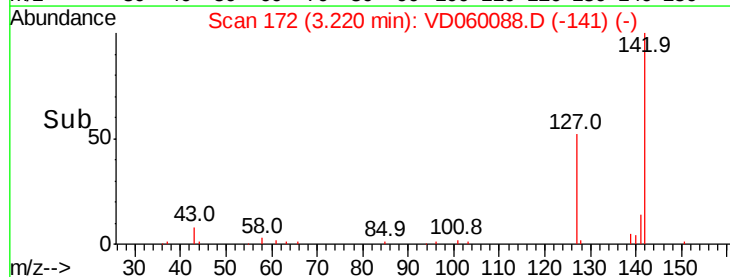
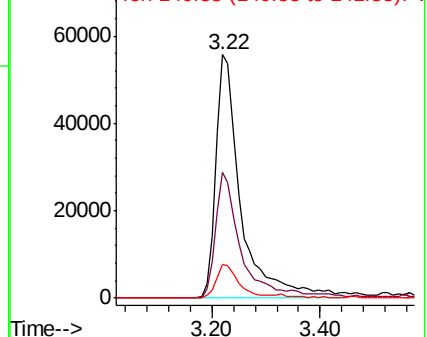
141 13.8 12.2 18.4

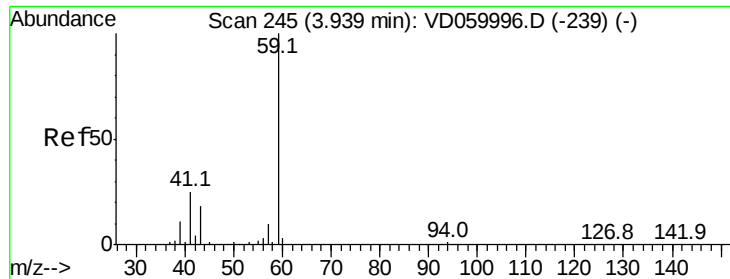


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

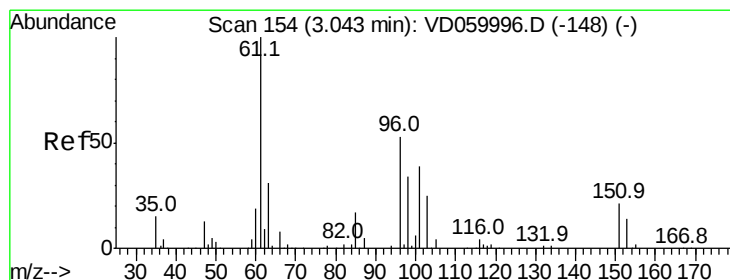
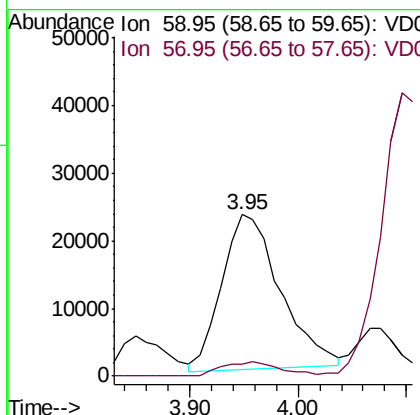
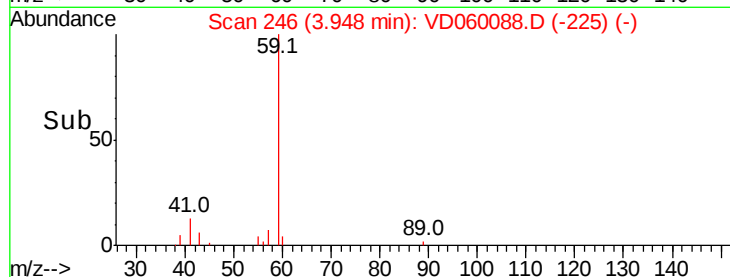
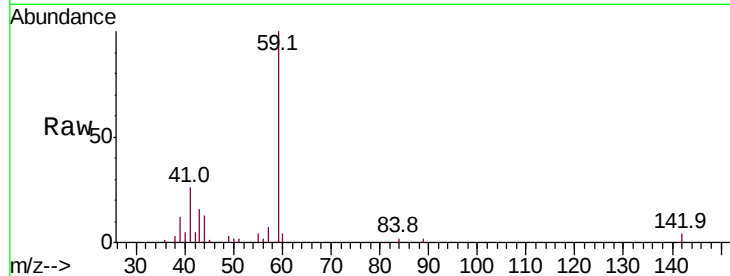




#11
Tert butyl alcohol
Concen: 89.914 ug/l
RT: 3.95 min Scan# 246
Delta R.T. 0.01 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

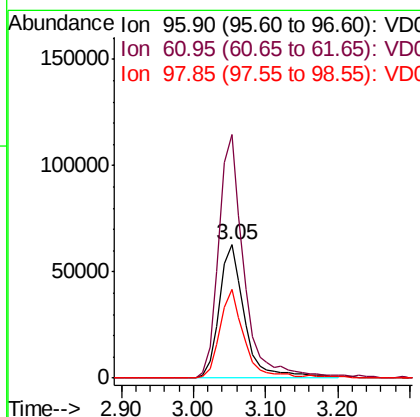
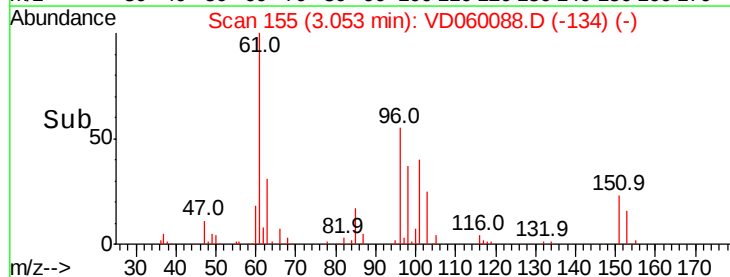
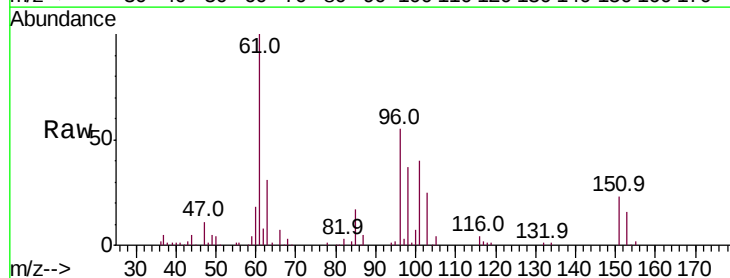
Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

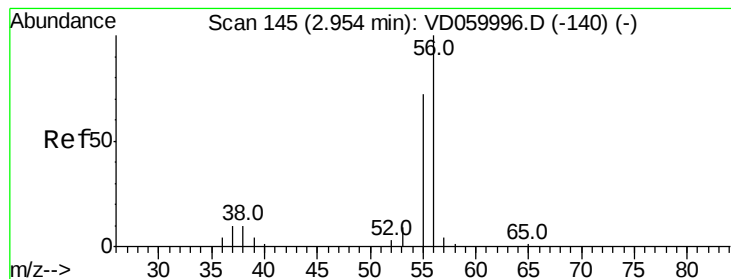
Tot Ion: 59 Resp: 86100
Ion Ratio Lower Upper
59 100
57 7.3 7.4 11.2#



#12
1,1-Dichloroethene
Concen: 24.489 ug/l
RT: 3.05 min Scan# 155
Delta R.T. 0.01 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Tgt Ion: 96 Resp: 153337
Ion Ratio Lower Upper
96 100
61 183.0 149.8 224.6
98 67.1 50.2 75.4





#13

Acrolein

Concen: 83.176 ug/l

RT: 2.96 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

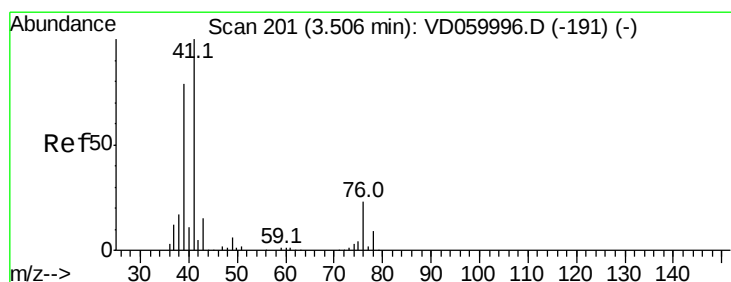
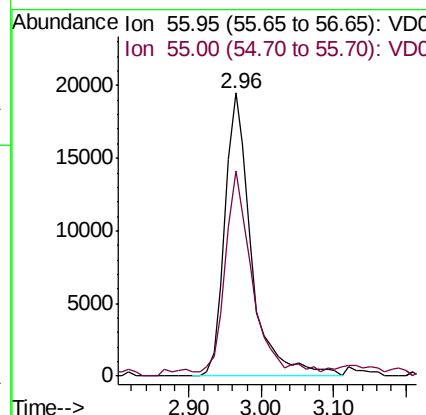
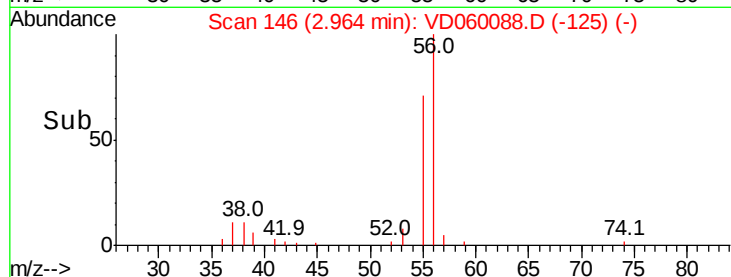
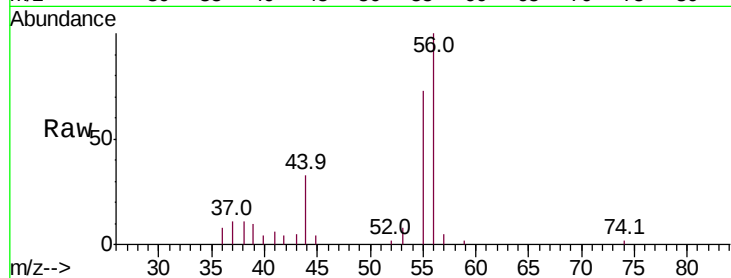
VD0925SBS01

Tot Ion: 56 Resp: 49323

Ion Ratio Lower Upper

56 100

55 72.7 58.3 87.5



#14

Allyl chloride

Concen: 23.881 ug/l

RT: 3.52 min Scan# 202

Delta R.T. 0.01 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

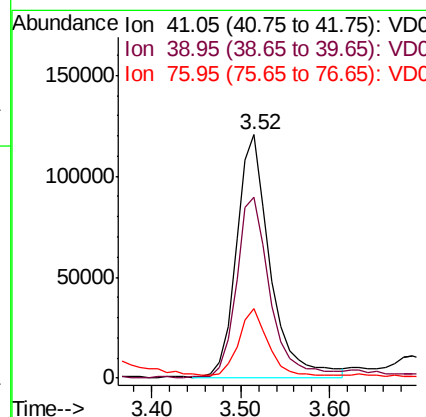
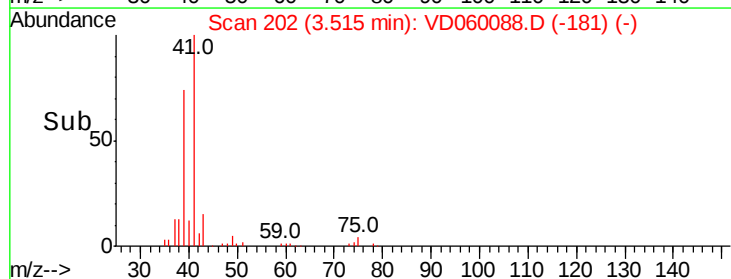
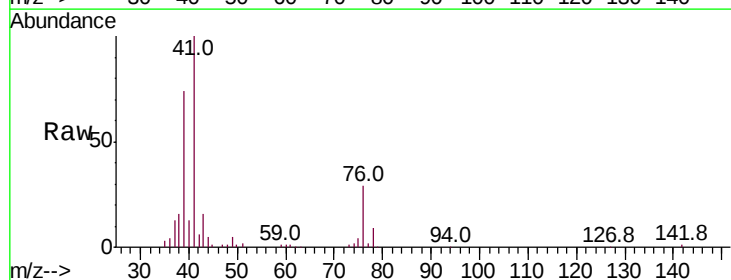
Tgt Ion: 41 Resp: 315348

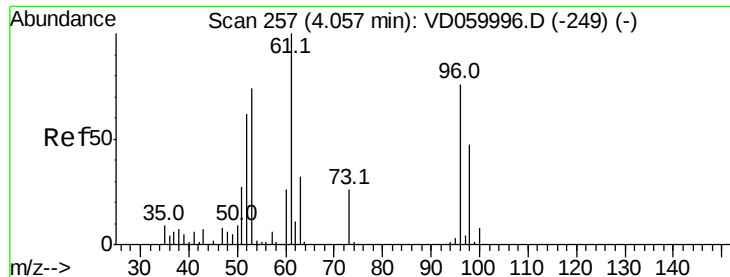
Ion Ratio Lower Upper

41 100

39 74.3 63.6 95.4

76 28.5 21.1 31.7





#15

Acrylonitrile

Concen: 109.830 ug/l

RT: 4.06 min Scan# 257

Delta R.T. -0.00 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

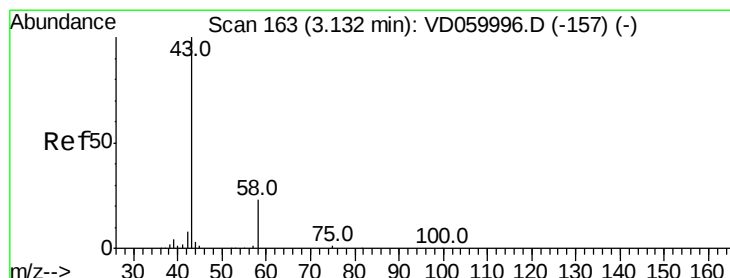
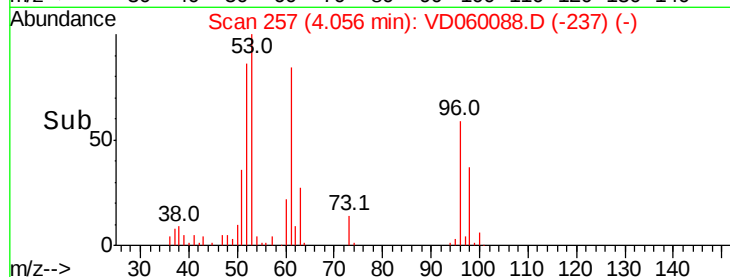
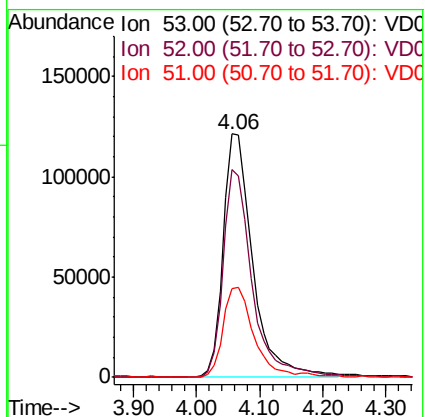
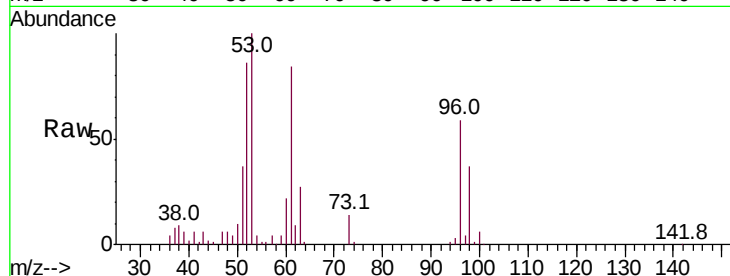
Tot Ion: 53 Resp: 396989

Ion Ratio Lower Upper

53 100

52 85.5 66.7 100.1

51 36.5 29.0 43.6



#16

Acetone

Concen: 139.674 ug/l

RT: 3.14 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD060088.D

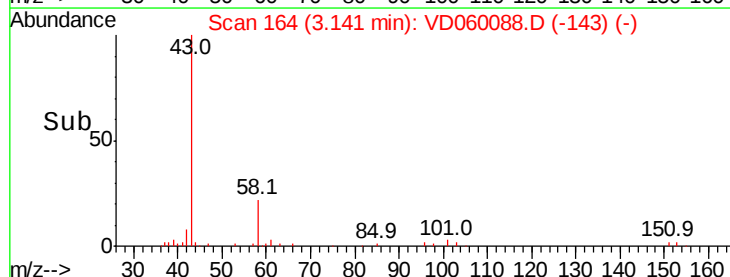
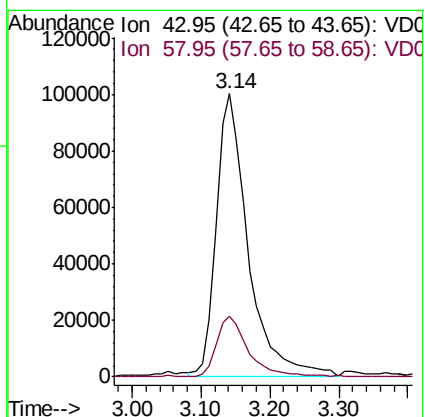
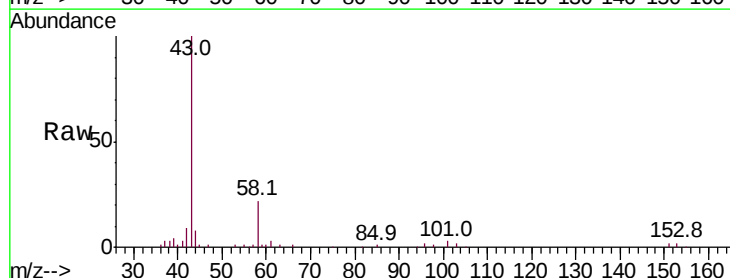
Acq: 25 Sep 2018 12:49

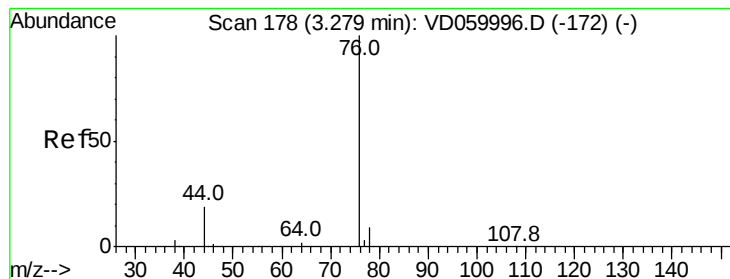
Tgt Ion: 43 Resp: 320025

Ion Ratio Lower Upper

43 100

58 21.6 18.1 27.1





#17

Carbon Disulfide

Concen: 22.072 ug/l

RT: 3.29 min Scan# 179

Delta R.T. 0.01 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

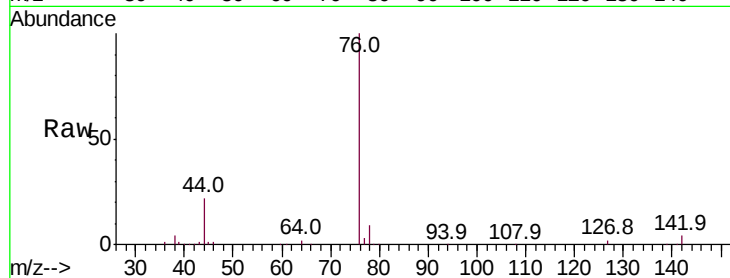
VD0925SBS01

Tot Ion: 76 Resp: 476185

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

200000

150000

100000

50000

0

3.29

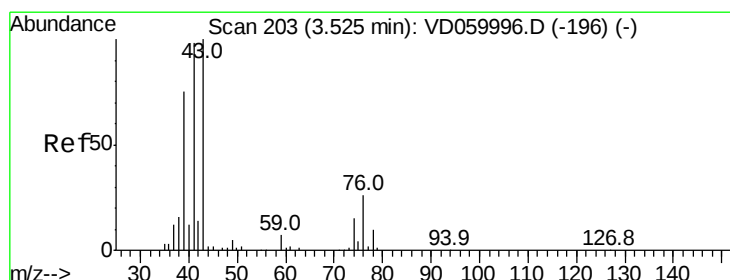
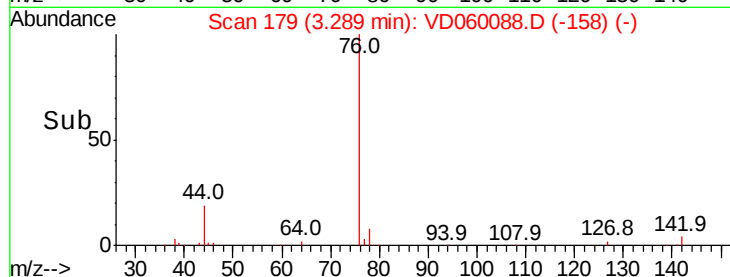
3.20

3.30

3.40

3.50

Time-->



#18

Methyl Acetate

Concen: 23.065 ug/l

RT: 3.53 min Scan# 204

Delta R.T. 0.01 min

Lab File: VD060088.D

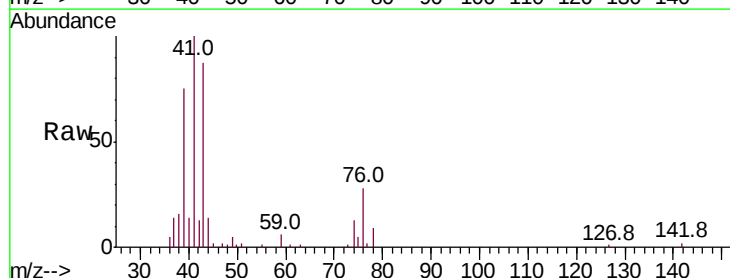
Acq: 25 Sep 2018 12:49

Tgt Ion: 43 Resp: 107474

Ion Ratio Lower Upper

43 100

74 15.1 11.8 17.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

40000

30000

20000

10000

0

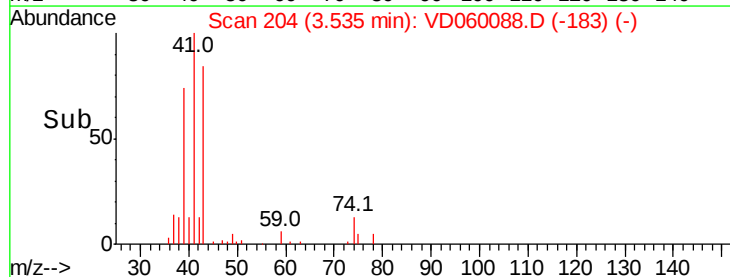
3.53

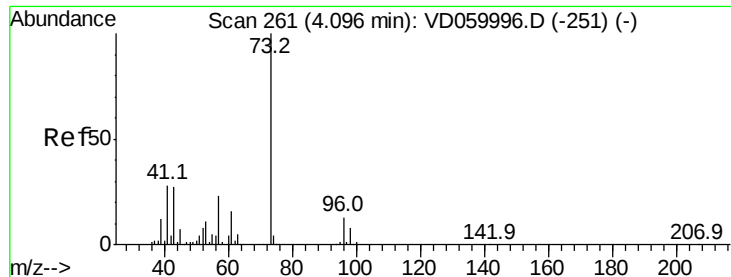
3.40

3.50

3.60

Time-->



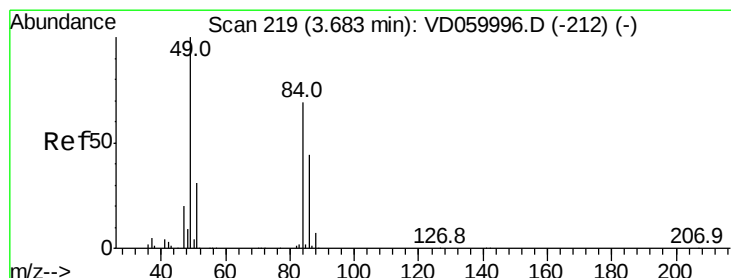
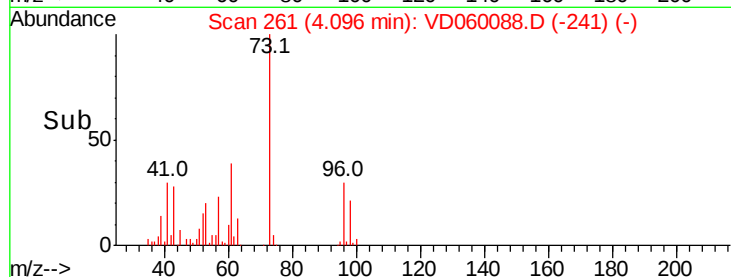
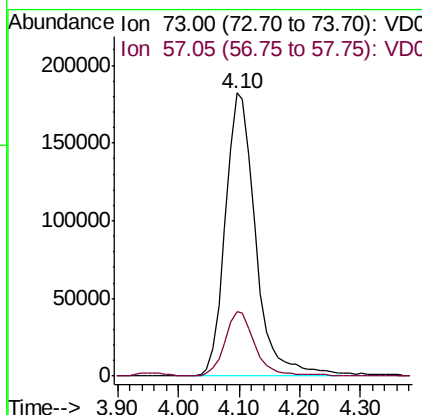
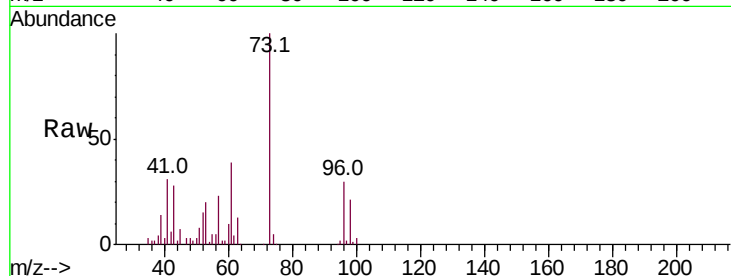


#19

Methyl tert-butyl Ether
 Concen: 21.895 ug/l
 RT: 4.10 min Scan# 261
 Delta R.T. -0.00 min
 Lab File: VD060088.D
 Acq: 25 Sep 2018 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBS01

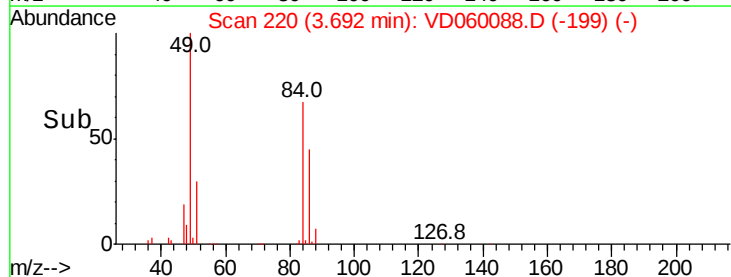
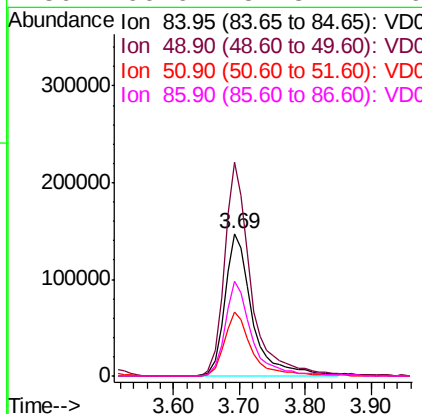
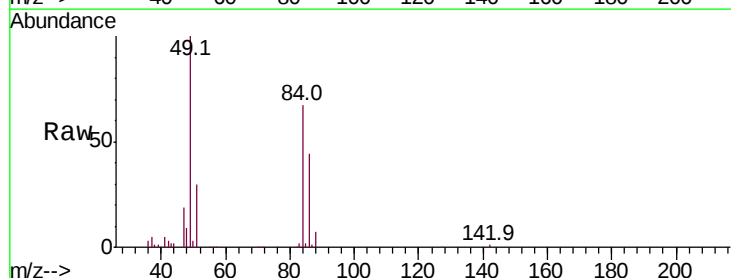
Tot Ion: 73 Resp: 633448
 Ion Ratio Lower Upper
 73 100
 57 23.0 18.4 27.6

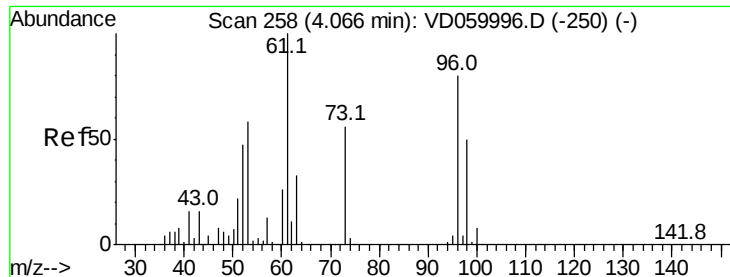


#20

Methylene Chloride
 Concen: 22.191 ug/l
 RT: 3.69 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VD060088.D
 Acq: 25 Sep 2018 12:49

Tgt Ion: 84 Resp: 427132
 Ion Ratio Lower Upper
 84 100
 49 150.3 116.6 175.0
 51 45.0 35.9 53.9
 86 66.6 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 21.570 ug/l

RT: 4.08 min Scan# 259

Delta R.T. 0.01 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

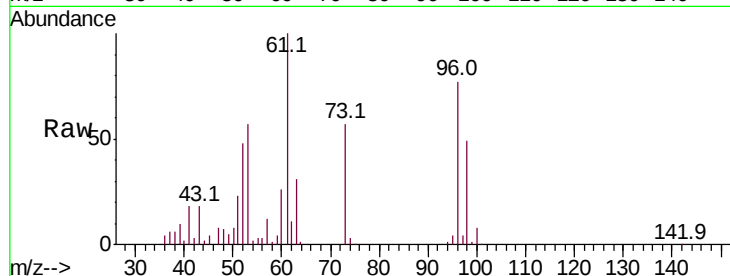
Tot Ion: 96 Resp: 354424

Ion Ratio Lower Upper

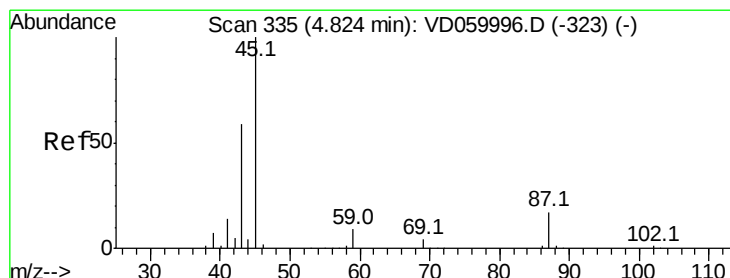
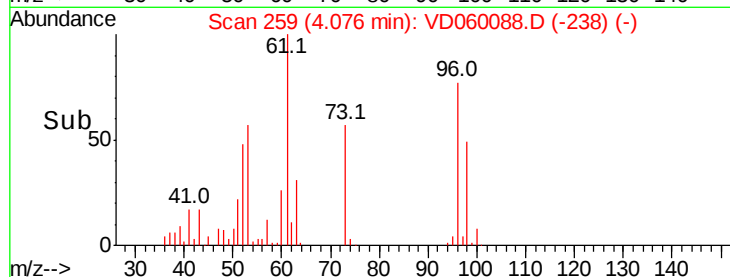
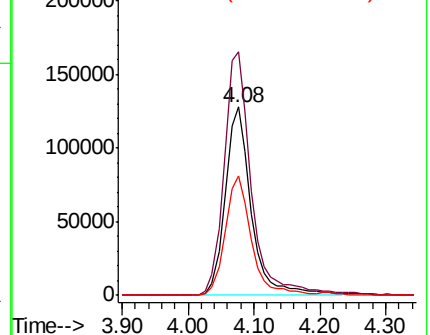
96 100

61 129.2 100.1 150.1

98 63.6 49.5 74.3



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: 22.502 ug/l

RT: 4.83 min Scan# 336

Delta R.T. 0.01 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Tgt Ion: 45 Resp: 1355418

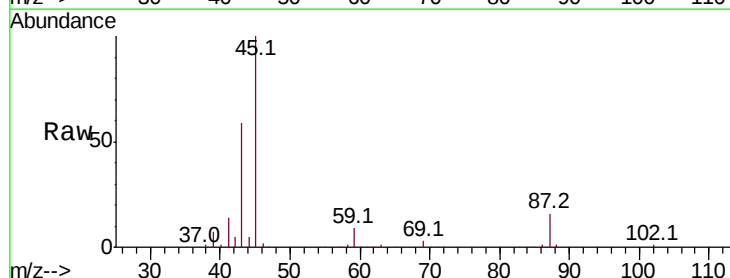
Ion Ratio Lower Upper

45 100

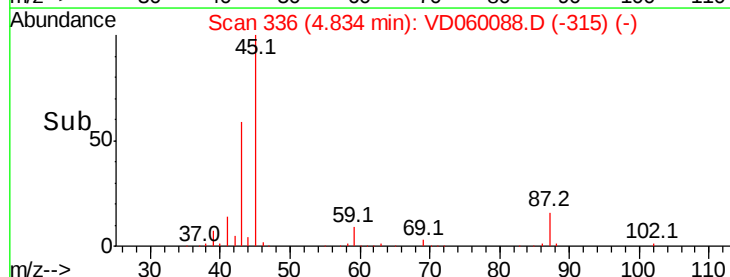
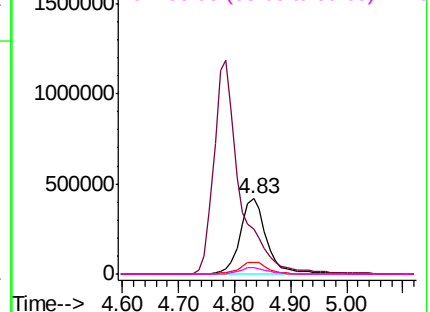
43 59.2 47.1 70.7

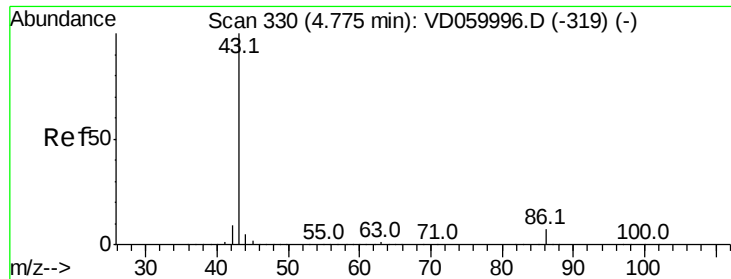
87 16.2 14.2 21.2

59 8.6 7.0 10.6



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

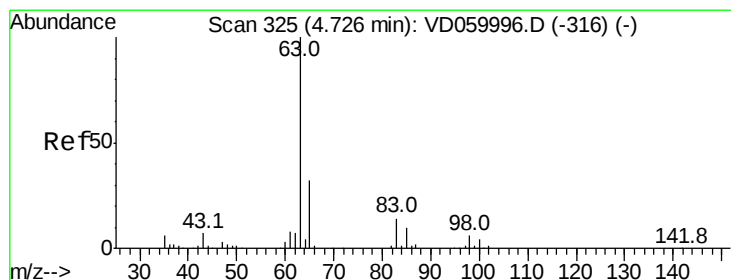
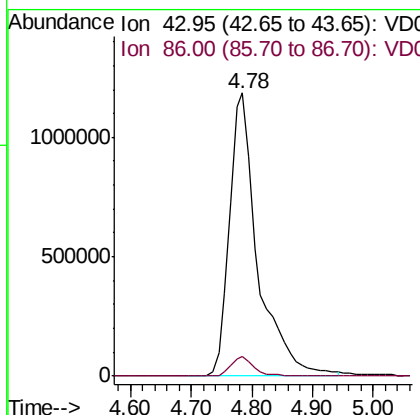
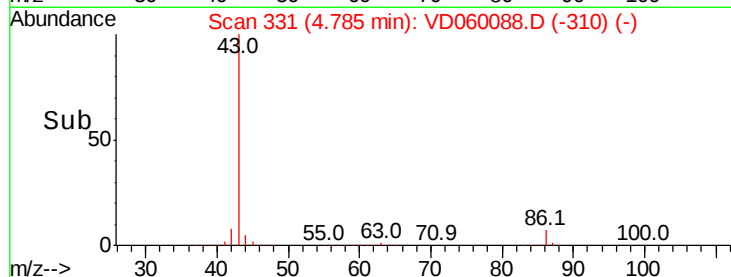
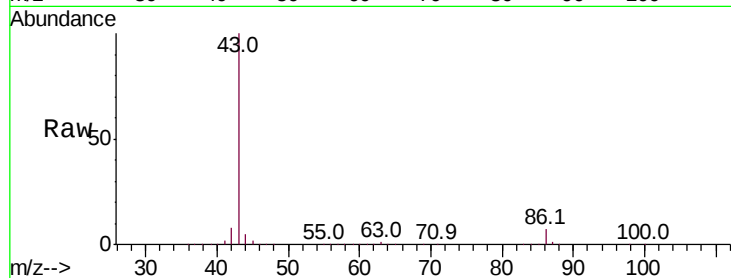




#23
 Vinyl Acetate
 Concen: 112.728 ug/l
 RT: 4.78 min Scan# 331
 Delta R.T. 0.01 min
 Lab File: VD060088.D
 Acq: 25 Sep 2018 12:49

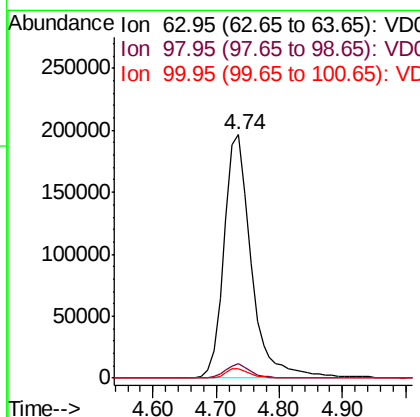
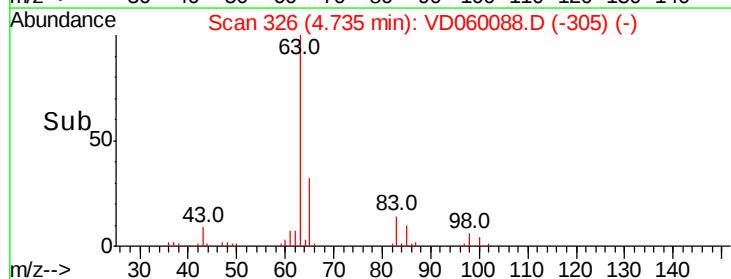
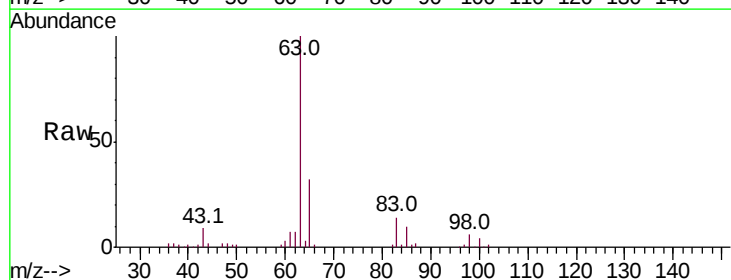
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBS01

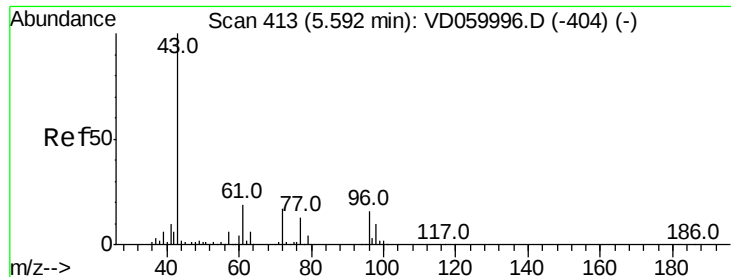
Tot Ion: 43 Resp: 3846771
 Ion Ratio Lower Upper
 43 100
 86 6.8 5.5 8.3



#24
 1,1-Dichloroethane
 Concen: 21.771 ug/l
 RT: 4.74 min Scan# 326
 Delta R.T. 0.01 min
 Lab File: VD060088.D
 Acq: 25 Sep 2018 12:49

Tgt Ion: 63 Resp: 588477
 Ion Ratio Lower Upper
 63 100
 98 6.2 2.9 8.6
 100 4.1 1.8 5.4





#25

2-Butanone

Concen: 123.064 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.01 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

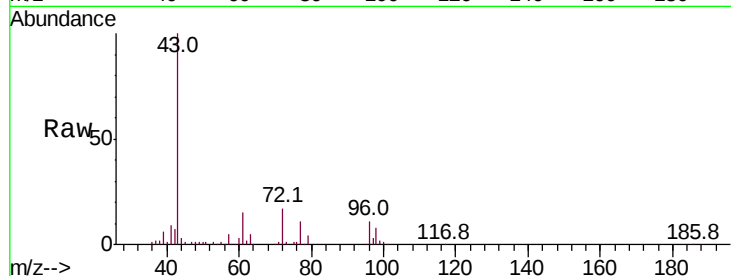
VD0925SBS01

Tot Ion: 43 Resp: 760884

Ion Ratio Lower Upper

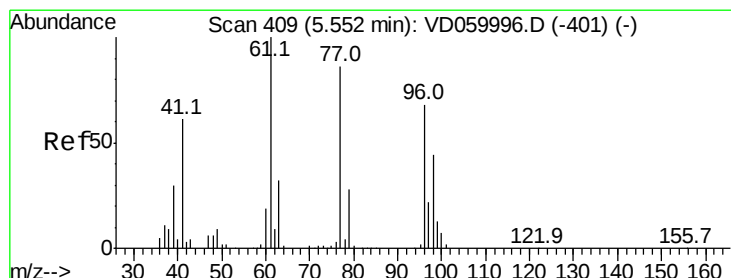
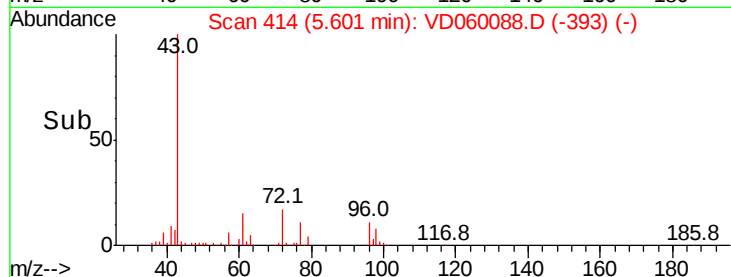
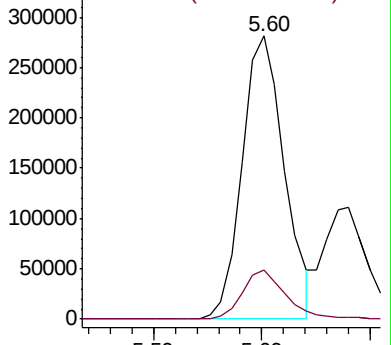
43 100

72 17.2 13.6 20.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.315 ug/l

RT: 5.56 min Scan# 410

Delta R.T. 0.01 min

Lab File: VD060088.D

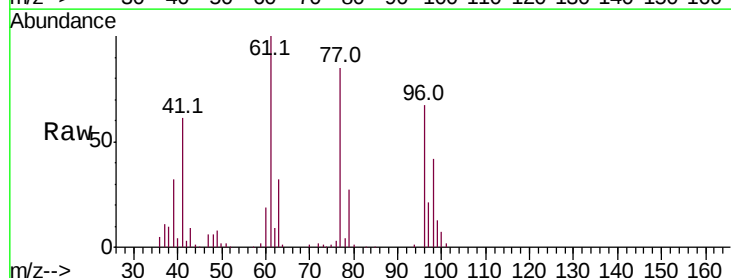
Acq: 25 Sep 2018 12:49

Tgt Ion: 77 Resp: 468941

Ion Ratio Lower Upper

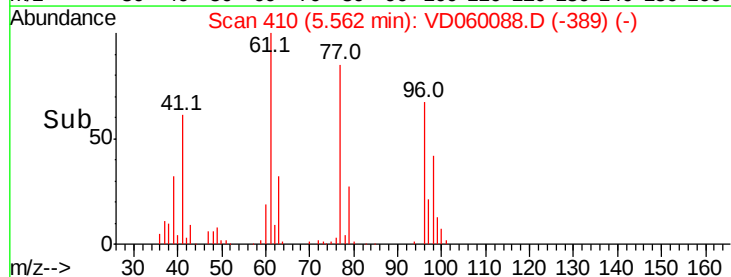
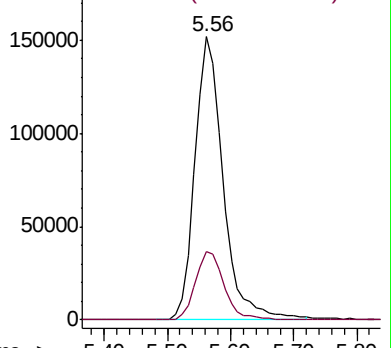
77 100

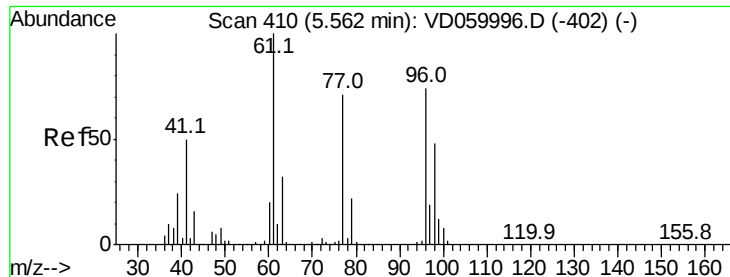
97 24.3 12.7 38.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



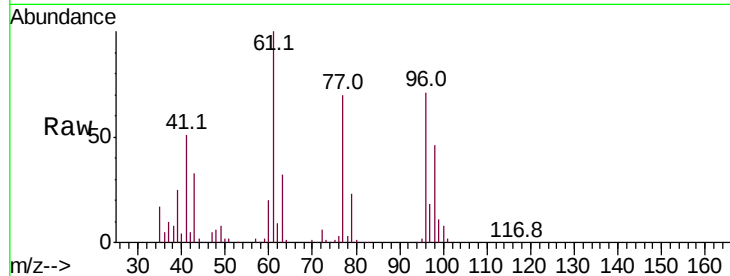


#27

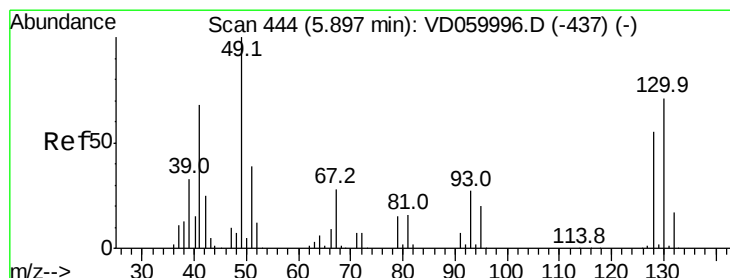
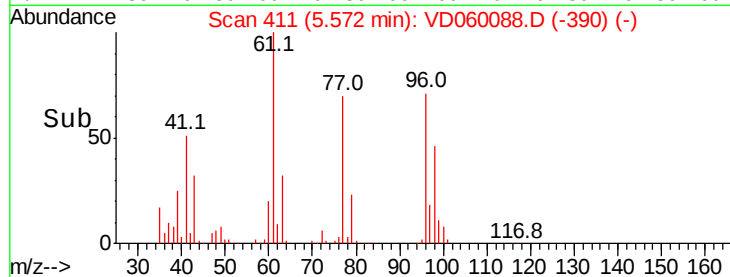
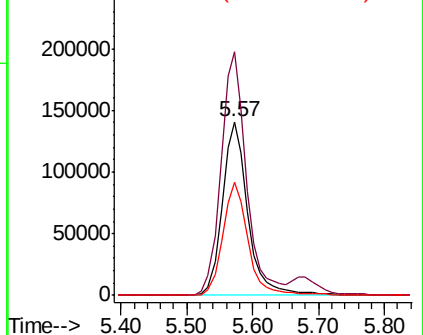
cis-1,2-Dichloroethene
Concen: 22.008 ug/l
RT: 5.57 min Scan# 411
Delta R.T. 0.01 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

Tot Ion: 96 Resp: 378263
Ion Ratio Lower Upper
96 100
61 140.5 0.0 269.6
98 64.9 0.0 128.4



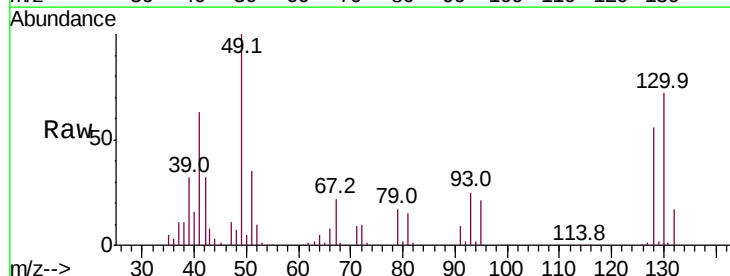
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



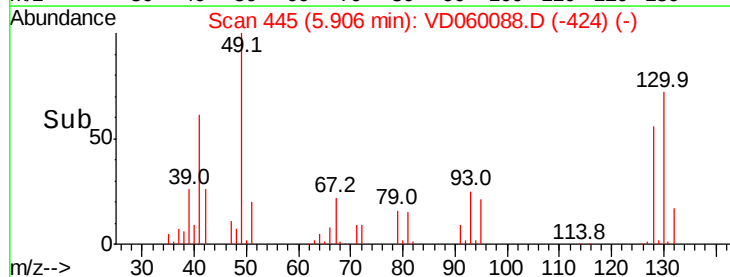
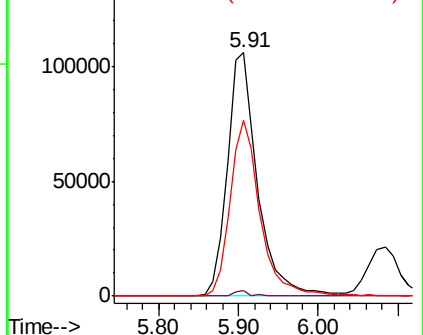
#28

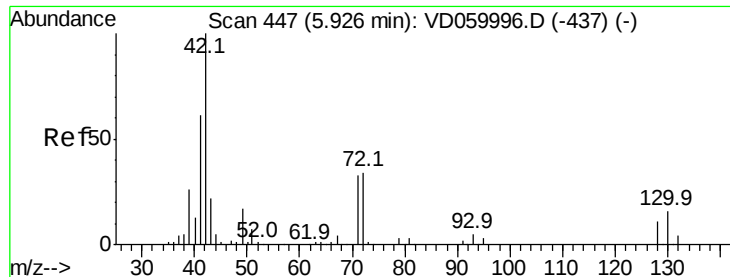
Bromochloromethane
Concen: 21.641 ug/l
RT: 5.91 min Scan# 445
Delta R.T. 0.01 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Tgt Ion: 49 Resp: 281189
Ion Ratio Lower Upper
49 100
129 2.1 0.0 3.6
130 72.4 57.1 85.7



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





#29

Tetrahydrofuran

Concen: 106.397 ug/l

RT: 5.94 min Scan# 448

Delta R.T. 0.01 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

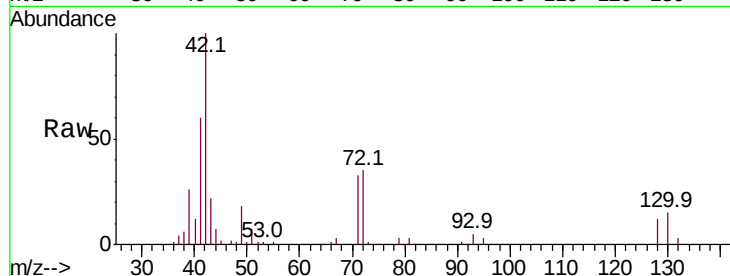
Tot Ion: 42 Resp: 352789

Ion Ratio Lower Upper

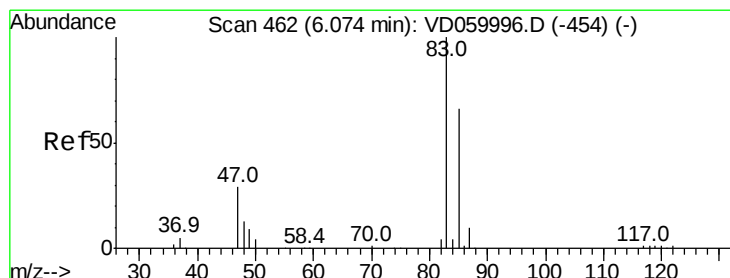
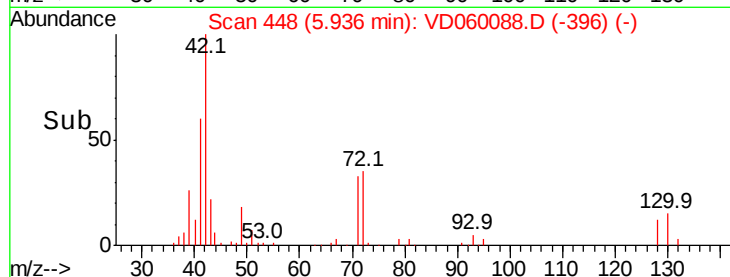
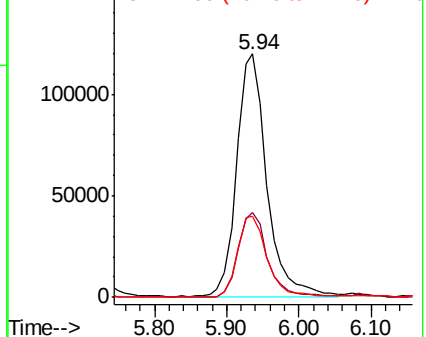
42 100

72 34.1 26.9 40.3

71 33.1 26.2 39.4



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 22.203 ug/l

RT: 6.08 min Scan# 463

Delta R.T. 0.01 min

Lab File: VD060088.D

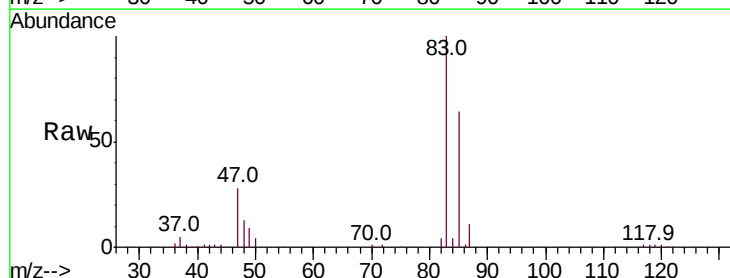
Acq: 25 Sep 2018 12:49

Tgt Ion: 83 Resp: 608618

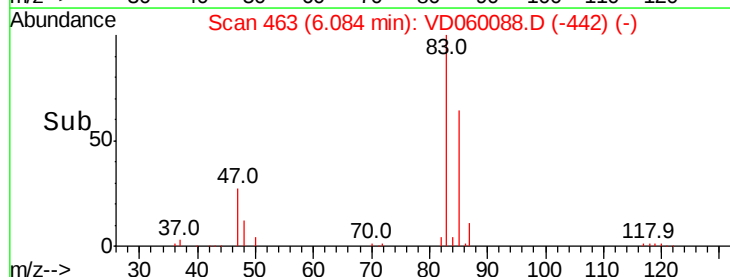
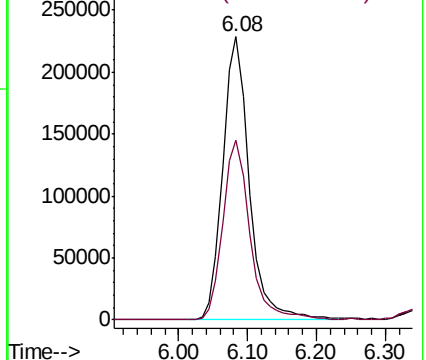
Ion Ratio Lower Upper

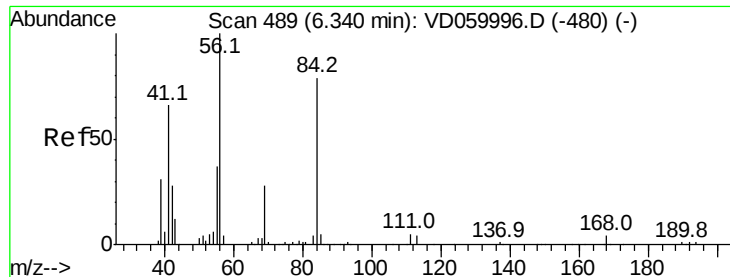
83 100

85 63.6 52.6 78.8



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

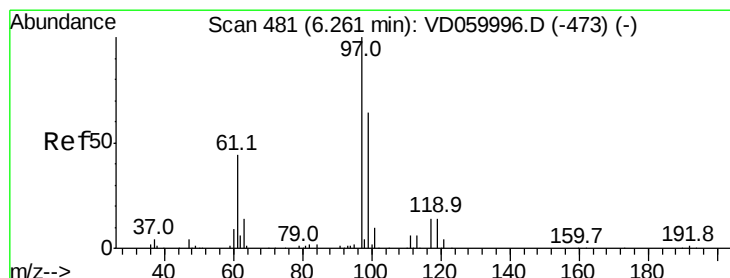
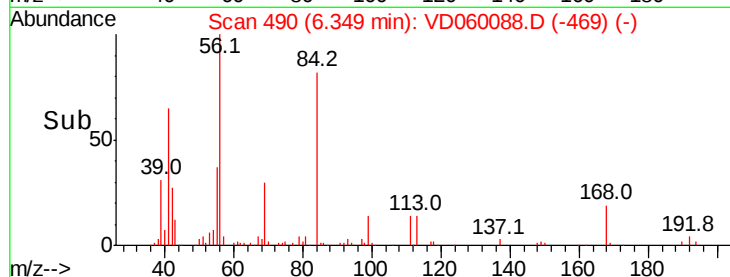
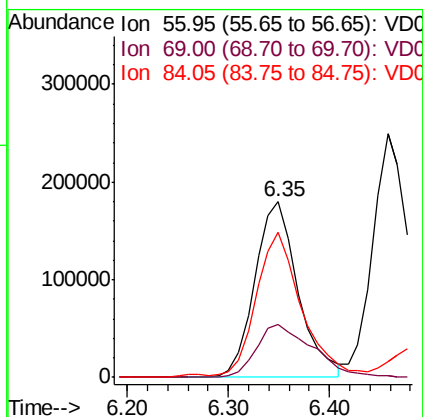
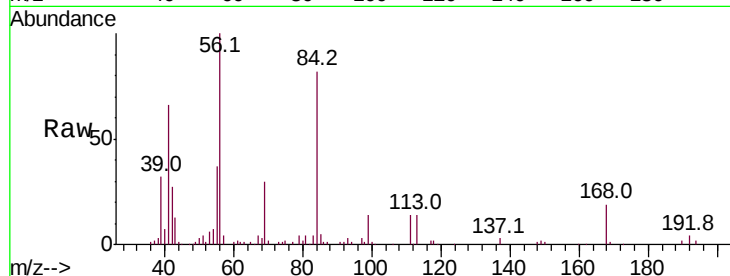




#31
Cyclohexane
Concen: 20.281 ug/l
RT: 6.35 min Scan# 490
Delta R.T. 0.01 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

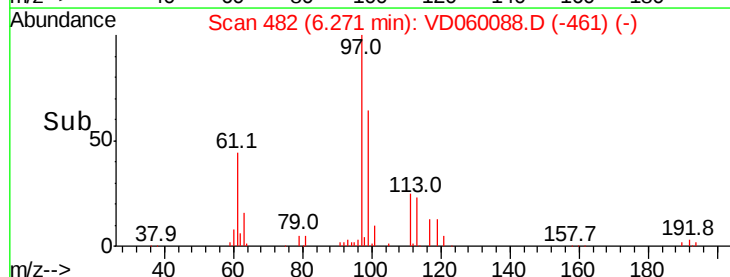
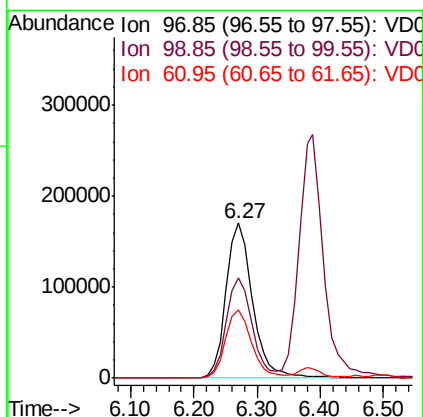
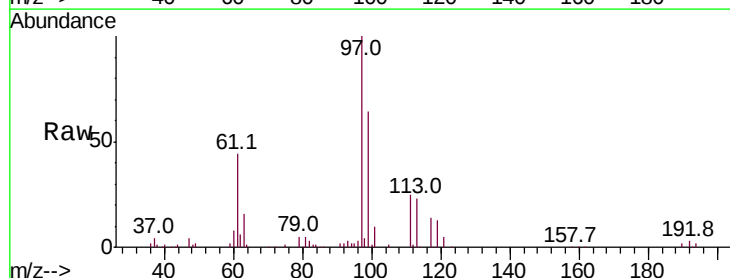
Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

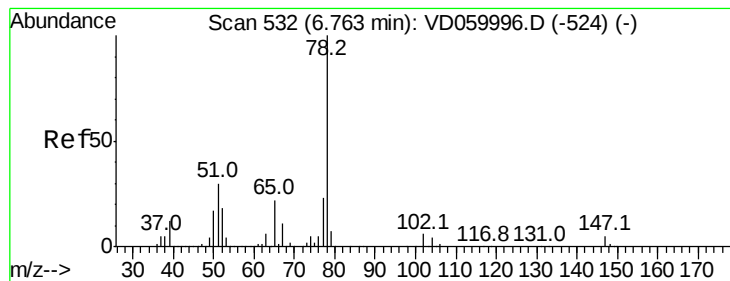
Tot Ion: 56 Resp: 534525
Ion Ratio Lower Upper
56 100
69 30.0 22.7 34.1
84 82.4 64.0 96.0



#32
1,1,1-Trichloroethane
Concen: 21.860 ug/l
RT: 6.27 min Scan# 482
Delta R.T. 0.01 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Tgt Ion: 97 Resp: 496989
Ion Ratio Lower Upper
97 100
99 64.3 51.3 76.9
61 44.4 35.5 53.3





#33

1,2-Dichloroethane-d4

Concen: 21.860 ug/l

RT: 6.76 min Scan# 532

Delta R.T. -0.00 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

MSVOA_D

ClientSampleID :

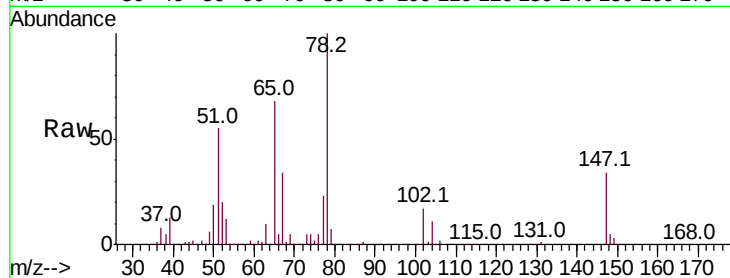
VD0925SBS01

Tot Ion: 65 Resp: 624862

Ion Ratio Lower Upper

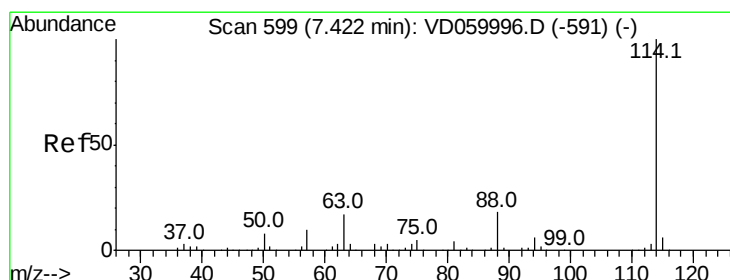
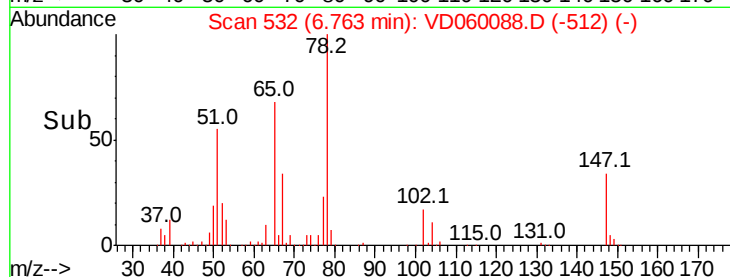
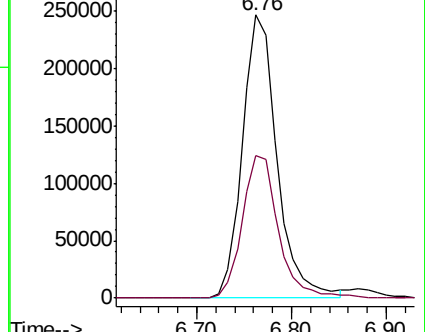
65 100

67 50.5 0.0 104.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.42 min Scan# 599

Delta R.T. -0.00 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

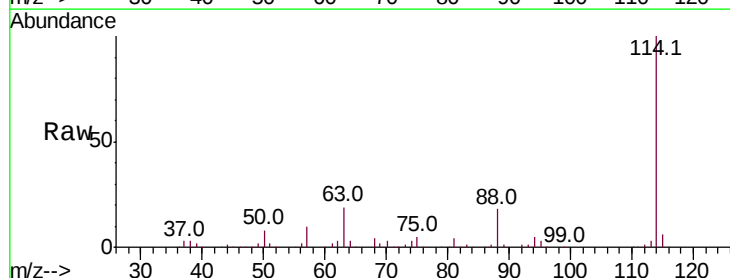
Tgt Ion:114 Resp: 2110254

Ion Ratio Lower Upper

114 100

63 18.5 0.0 34.4

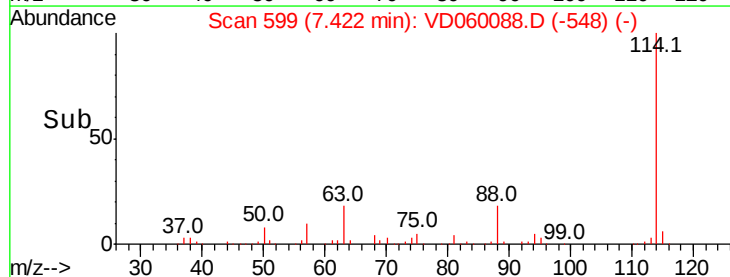
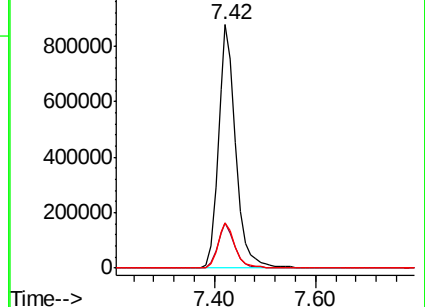
88 18.3 0.0 35.8

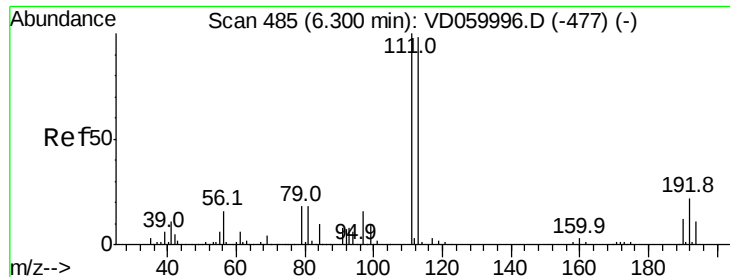


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.30 min Scan# 485

Delta R.T. -0.00 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

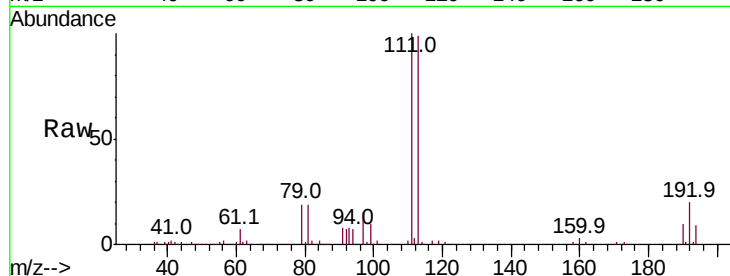
Tot Ion:113 Resp: 841054

Ion Ratio Lower Upper

113 100

111 101.5 81.3 121.9

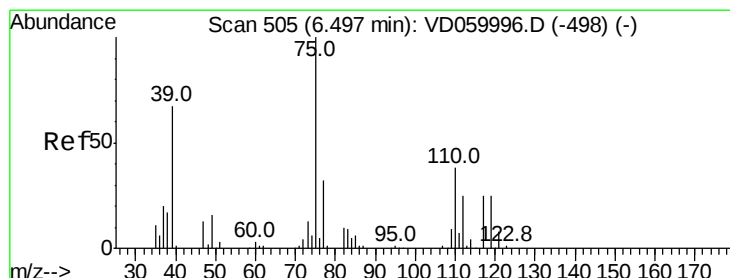
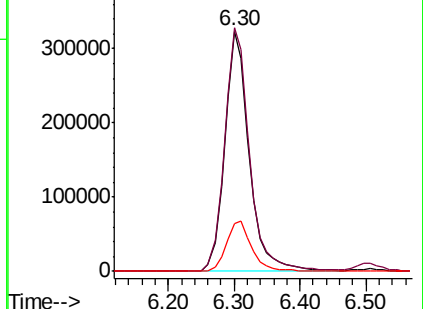
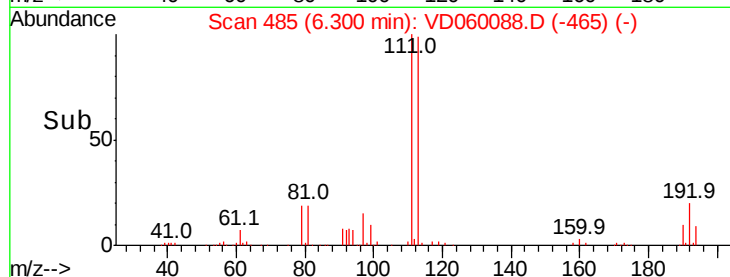
192 20.1 18.1 27.1



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: 21.894 ug/l

RT: 6.51 min Scan# 506

Delta R.T. 0.01 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

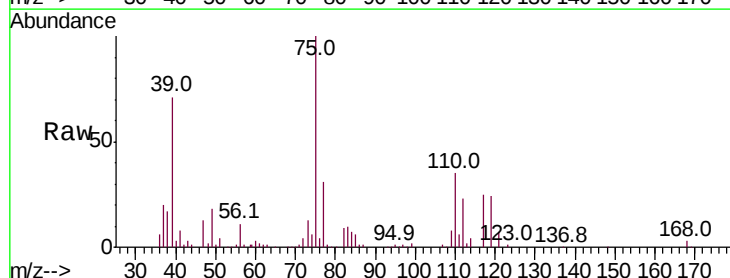
Tgt Ion: 75 Resp: 458951

Ion Ratio Lower Upper

75 100

110 34.9 18.9 56.9

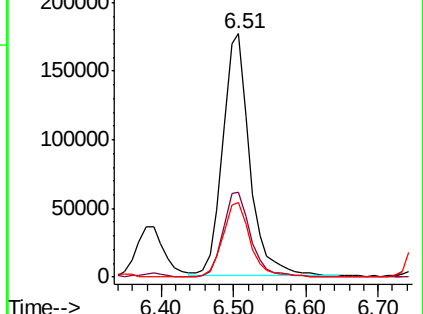
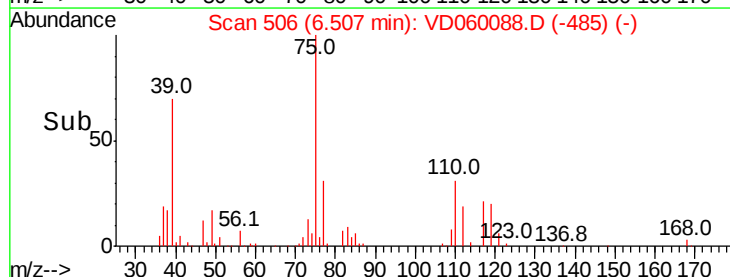
77 30.6 25.3 37.9

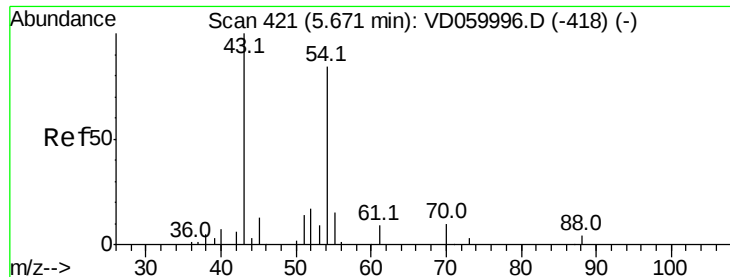


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

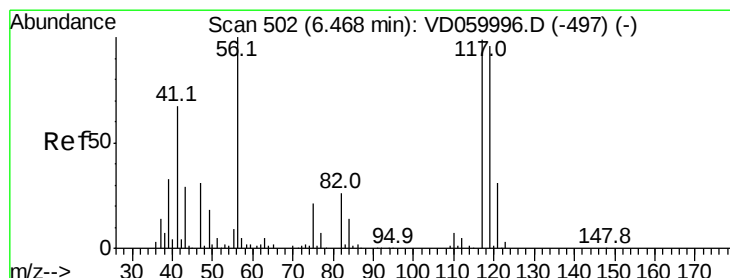
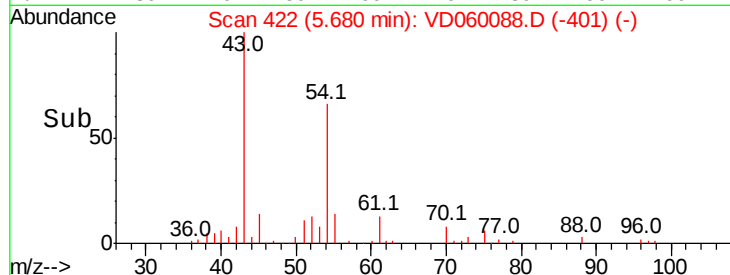
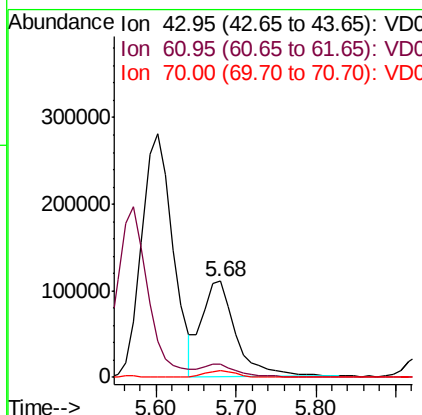
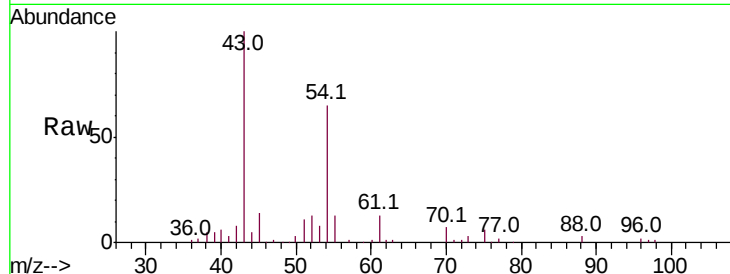




#37
Ethyl Acetate
Concen: 22.733 ug/l
RT: 5.68 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

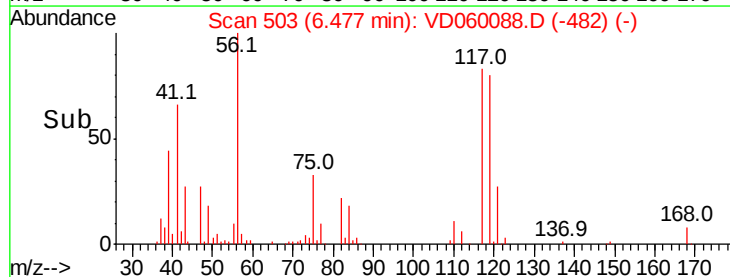
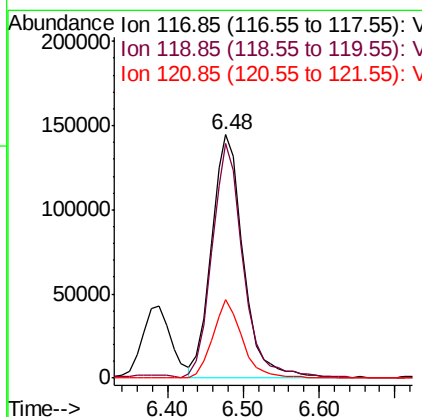
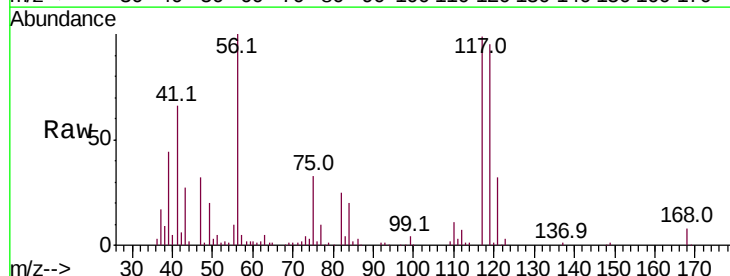
Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

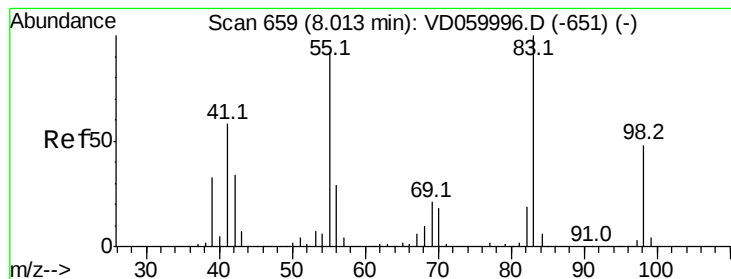
Tot Ion: 43 Resp: 327697
Ion Ratio Lower Upper
43 100
61 13.4 10.2 15.2
70 7.5 6.1 9.1



#38
Carbon Tetrachloride
Concen: 21.346 ug/l
RT: 6.48 min Scan# 503
Delta R.T. 0.01 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Tgt Ion: 117 Resp: 417707
Ion Ratio Lower Upper
117 100
119 96.2 76.7 115.1
121 32.3 24.9 37.3





#39

Methvlcvclohexane

Concen: 22.274 ug/l

RT: 8.02 min Scan# 660

Delta R.T. 0.01 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

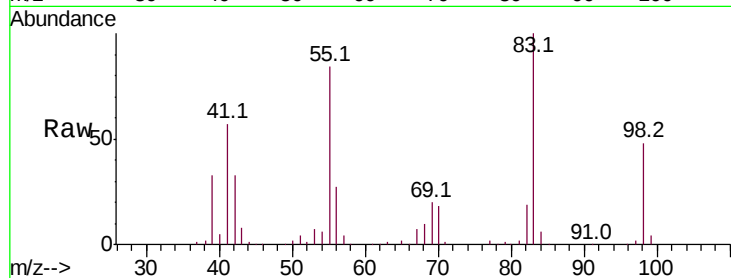
Tot Ion: 83 Resp: 528182

Ion Ratio Lower Upper

83 100

55 84.2 73.8 110.6

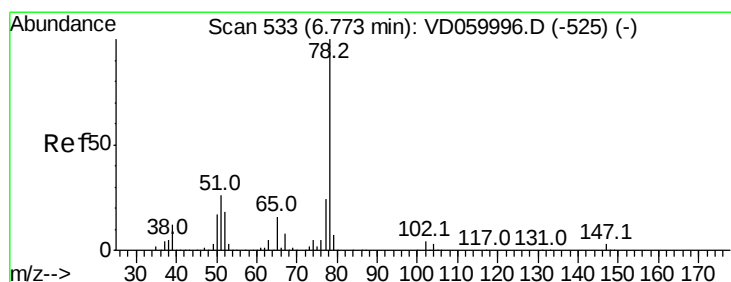
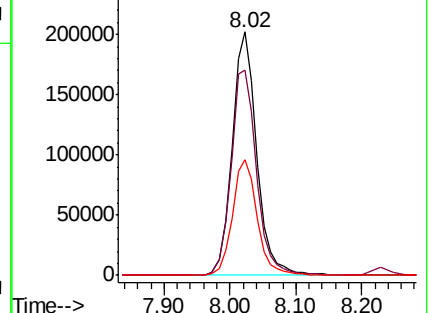
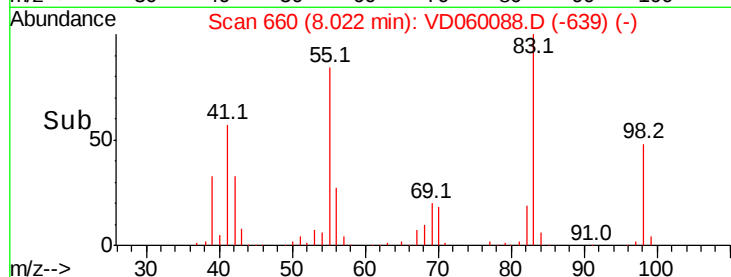
98 47.6 38.1 57.1



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: 22.185 ug/l

RT: 6.77 min Scan# 533

Delta R.T. -0.00 min

Lab File: VD060088.D

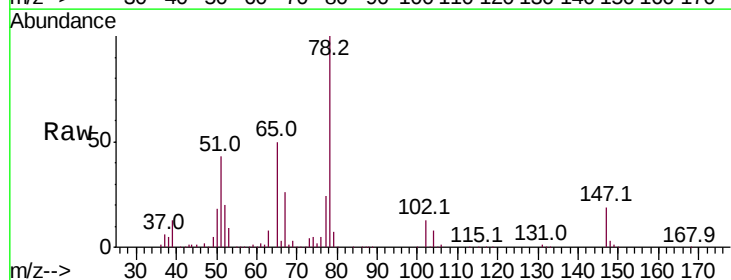
Acq: 25 Sep 2018 12:49

Tgt Ion: 78 Resp: 1185289

Ion Ratio Lower Upper

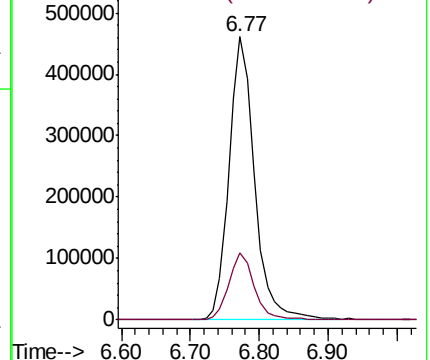
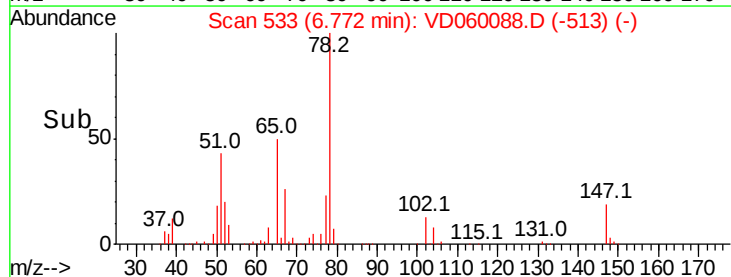
78 100

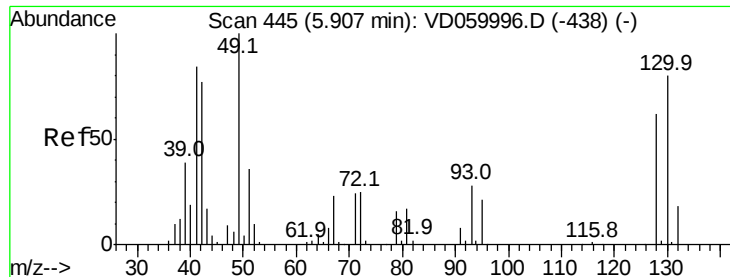
77 23.8 19.0 28.4



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 47.234 ug/l

RT: 5.93 min Scan# 447

Delta R.T. 0.02 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

Tot Ion: 41 Resp: 356618

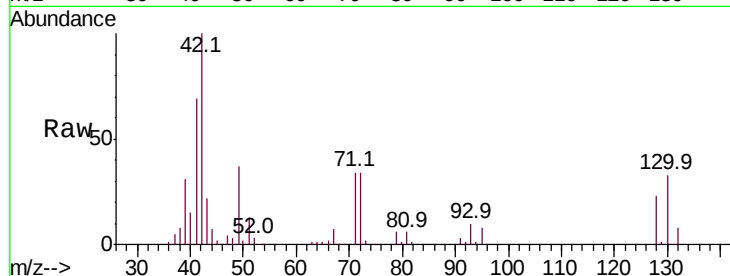
Ion Ratio Lower Upper

41 100

39 44.9 37.5 56.3

67 9.7 21.5 32.3#

52 4.2 9.2 13.8#

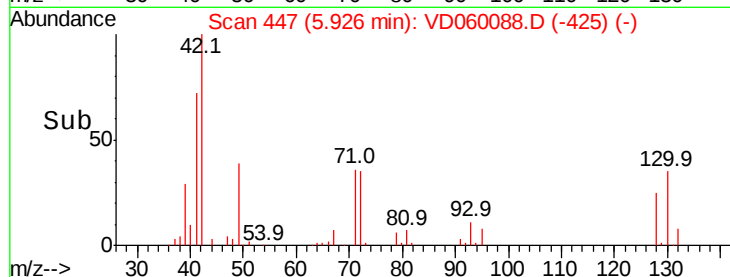


Abundance Ion 40.95 (40.65 to 41.65): VDC

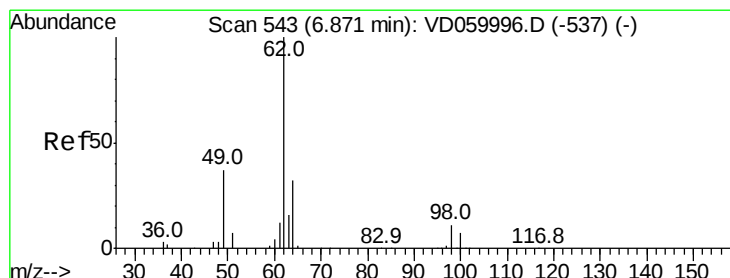
Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



Time-->



#42

1,2-Dichloroethane

Concen: 21.070 ug/l

RT: 6.87 min Scan# 543

Delta R.T. -0.00 min

Lab File: VD060088.D

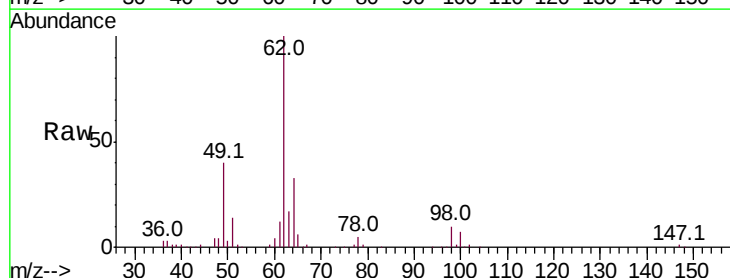
Acq: 25 Sep 2018 12:49

Tgt Ion: 62 Resp: 338003

Ion Ratio Lower Upper

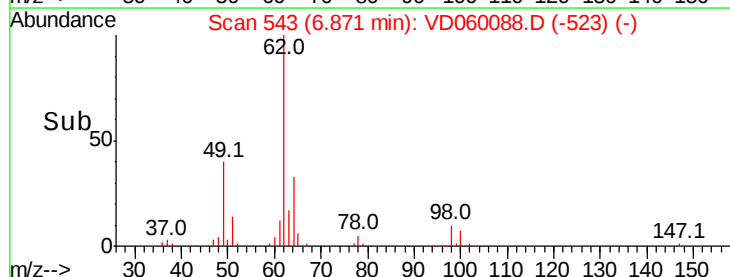
62 100

98 10.5 0.0 21.4

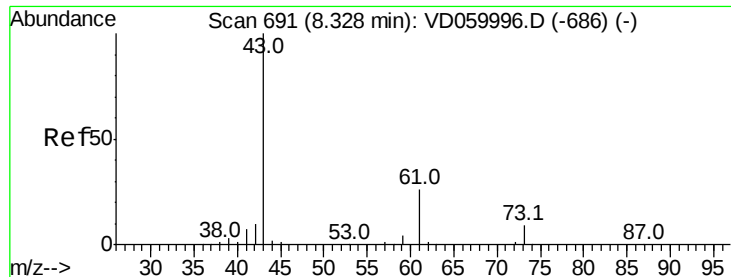


Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



Time-->

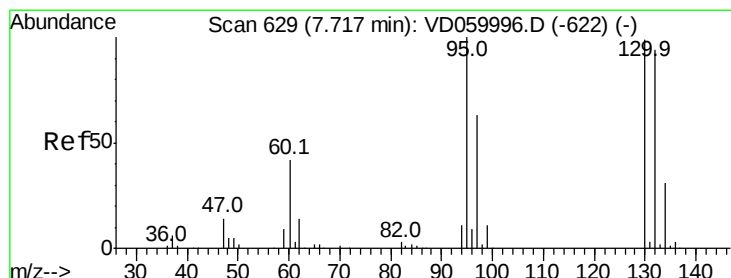
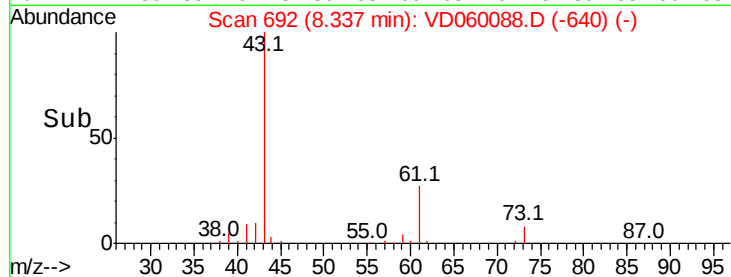
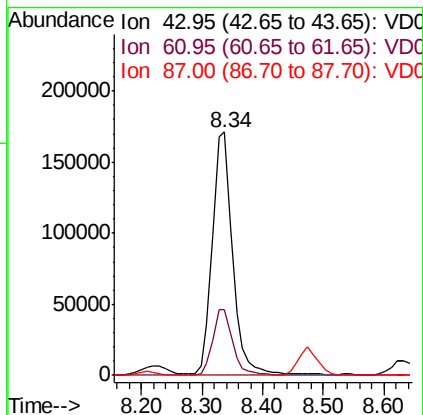
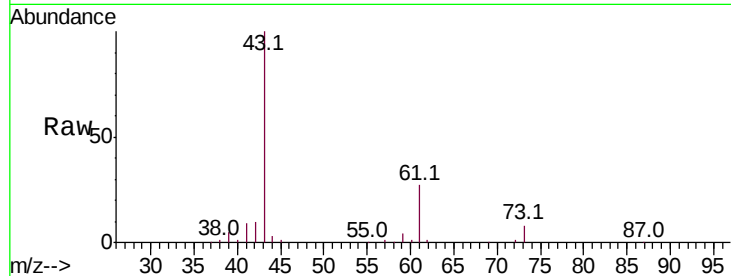


#43

Isopropyl Acetate
 Concen: 20.892 ug/l
 RT: 8.34 min Scan# 692
 Delta R.T. 0.01 min
 Lab File: VD060088.D
 Acq: 25 Sep 2018 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBS01

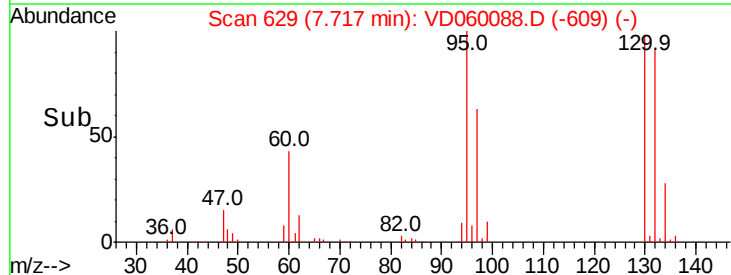
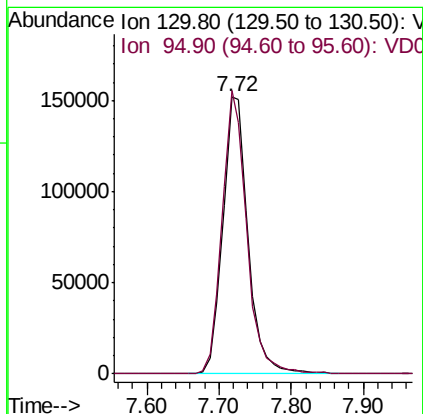
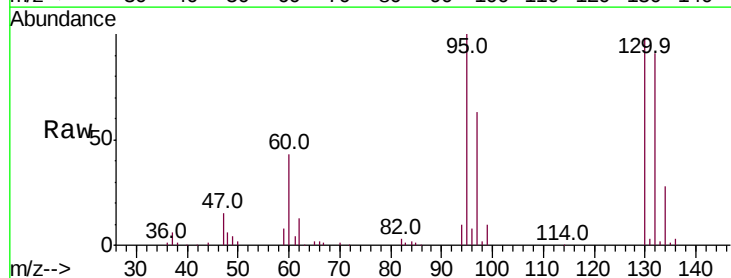
Tot Ion: 43 Resp: 403234
 Ion Ratio Lower Upper
 43 100
 61 26.8 21.0 31.6
 87 0.2 0.2 0.2

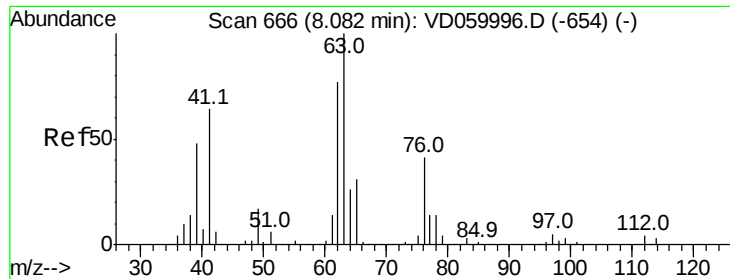


#44

Trichloroethene
 Concen: 22.152 ug/l
 RT: 7.72 min Scan# 629
 Delta R.T. -0.00 min
 Lab File: VD060088.D
 Acq: 25 Sep 2018 12:49

Tgt Ion: 130 Resp: 365668
 Ion Ratio Lower Upper
 130 100
 95 102.2 0.0 202.0





#45

1,2-Dichloropropane

Concen: 22.105 ug/l

RT: 8.08 min Scan# 666

Delta R.T. -0.00 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

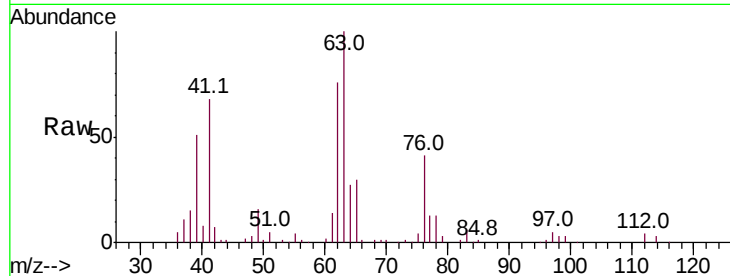
VD0925SBS01

Tot Ion: 63 Resp: 315801

Ion Ratio Lower Upper

63 100

65 29.7 24.6 37.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

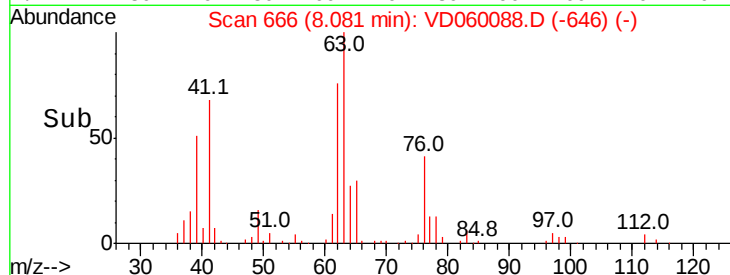
150000

100000

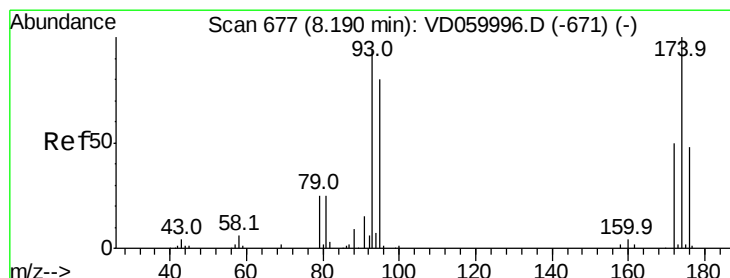
50000

0

Time-->



Time-->



#46

Dibromomethane

Concen: 21.938 ug/l

RT: 8.20 min Scan# 678

Delta R.T. 0.01 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

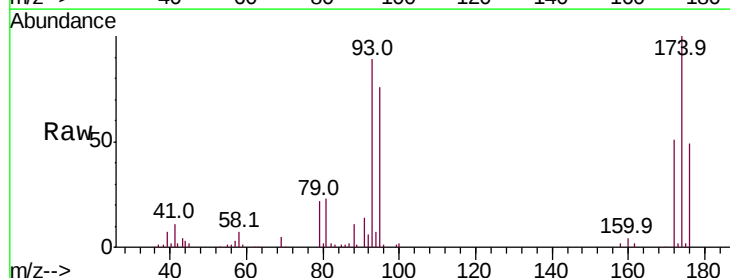
Tgt Ion: 93 Resp: 204498

Ion Ratio Lower Upper

93 100

95 84.6 68.0 102.0

174 112.0 85.4 128.2



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

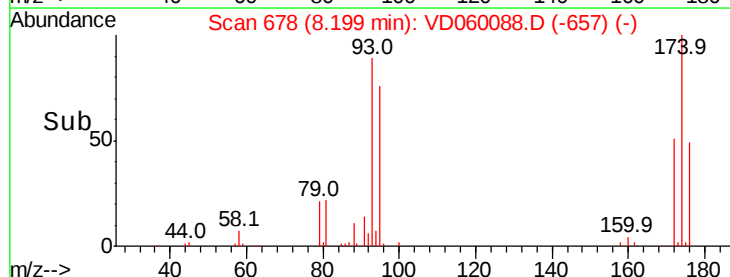
Ion 173.80 (173.50 to 174.50): V

100000

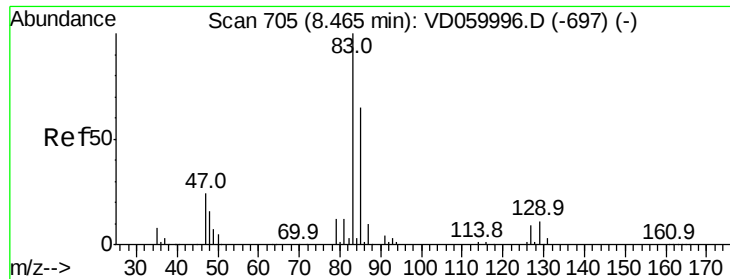
50000

0

Time-->



Time-->



#47

Bromodichloromethane

Concen: 21.691 ug/l

RT: 8.47 min Scan# 706

Delta R.T. 0.01 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

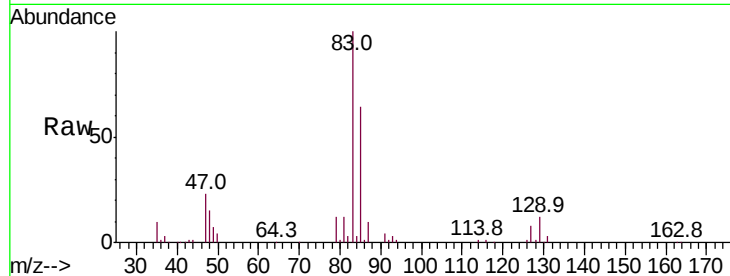
Tot Ion: 83 Resp: 435923

Ion Ratio Lower Upper

83 100

85 64.0 51.9 77.9

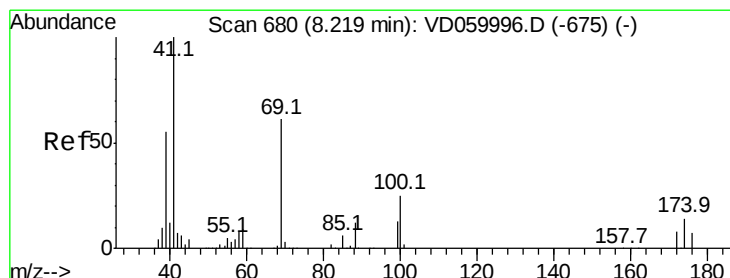
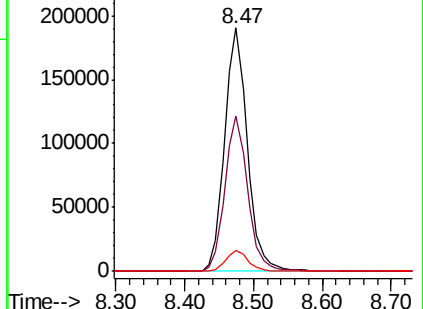
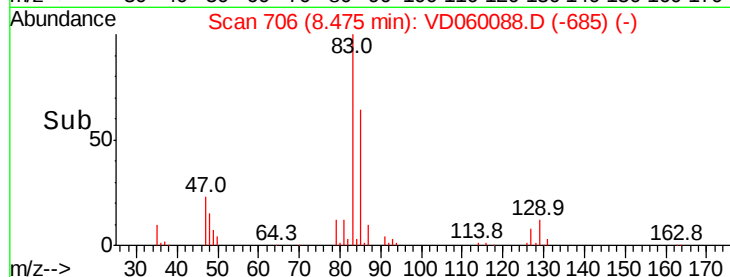
127 8.4 6.8 10.2



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: 21.548 ug/l

RT: 8.23 min Scan# 681

Delta R.T. 0.01 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

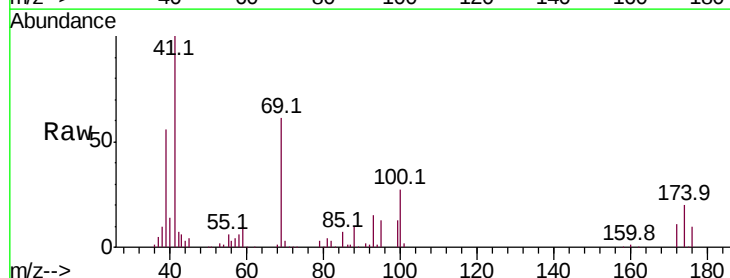
Tgt Ion: 41 Resp: 231628

Ion Ratio Lower Upper

41 100

69 60.5 48.3 72.5

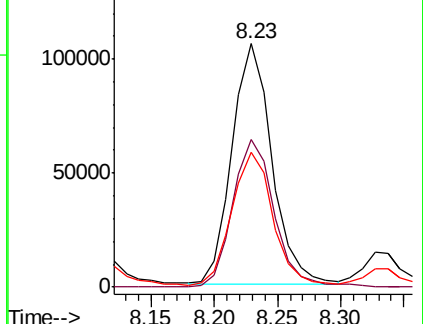
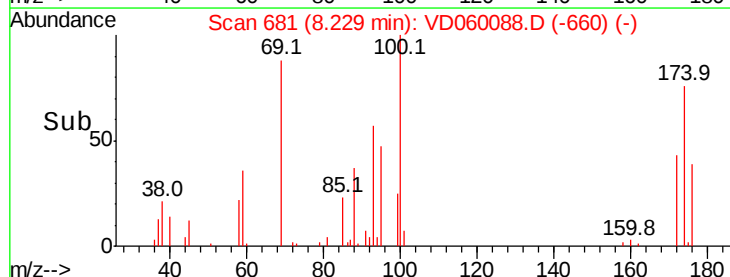
39 55.6 44.1 66.1

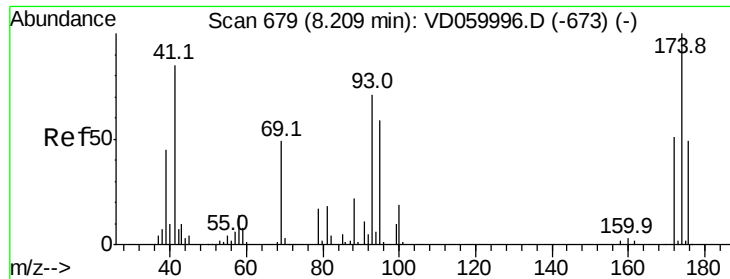


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

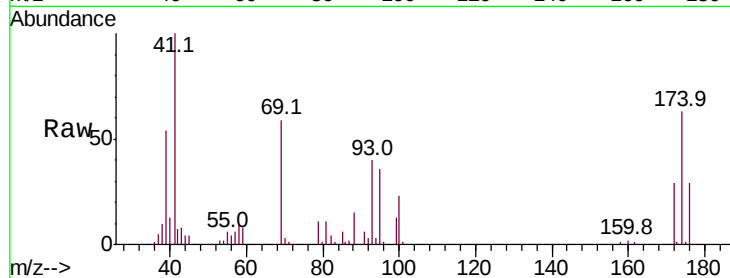




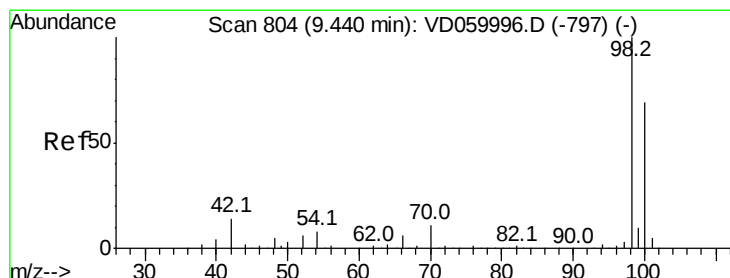
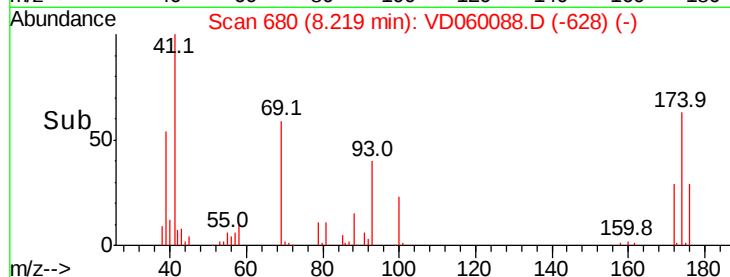
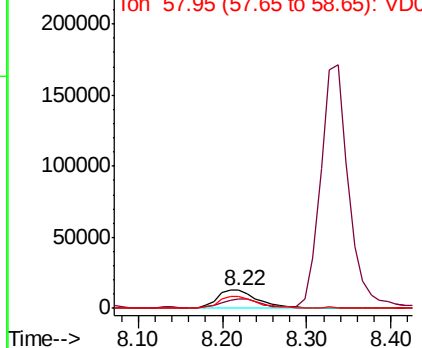
#49
1,4-Dioxane
Concen: 409.590 ug/l
RT: 8.22 min Scan# 680
Delta R.T. 0.01 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

Tot Ion: 88 Resp: 43730
Ion Ratio Lower Upper
88 100
43 54.2 36.2 54.2
58 64.7 51.0 76.6

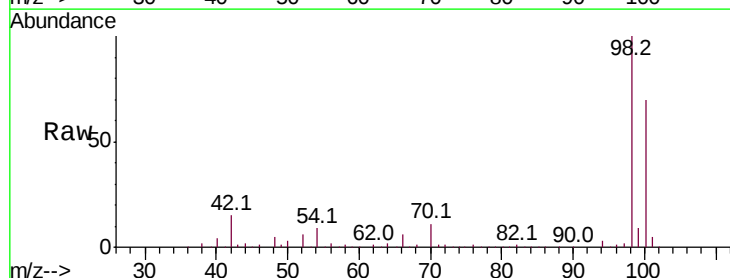


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

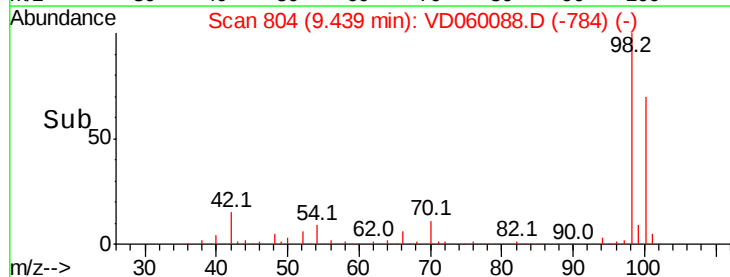
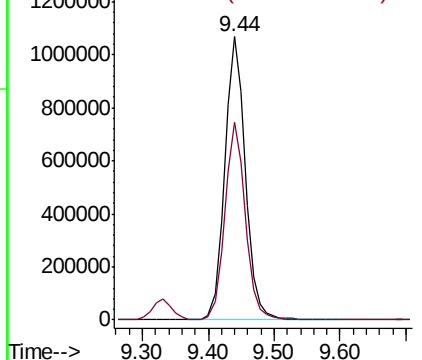


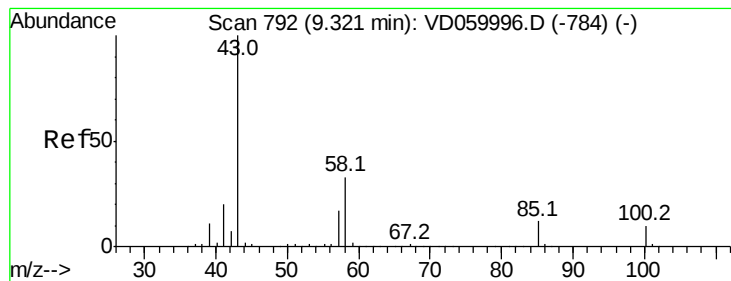
#50
Toluene-d8
Concen: 409.590 ug/l
RT: 9.44 min Scan# 804
Delta R.T. -0.00 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Tgt Ion: 98 Resp: 2343630
Ion Ratio Lower Upper
98 100
100 69.7 55.8 83.6



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: 116.645 ug/l

RT: 9.33 min Scan# 793

Delta R.T. 0.01 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

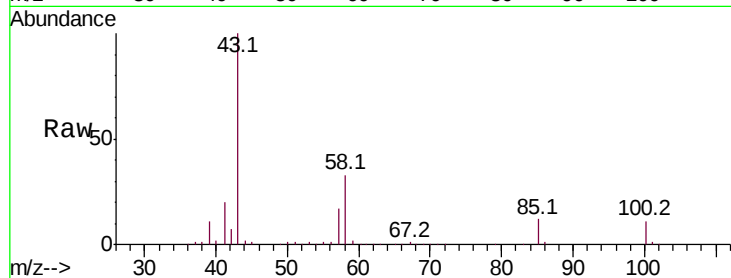
VD0925SBS01

Tot Ion: 43 Resp: 1630722

Ion Ratio Lower Upper

43 100

58 33.4 26.4 39.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.33

800000

600000

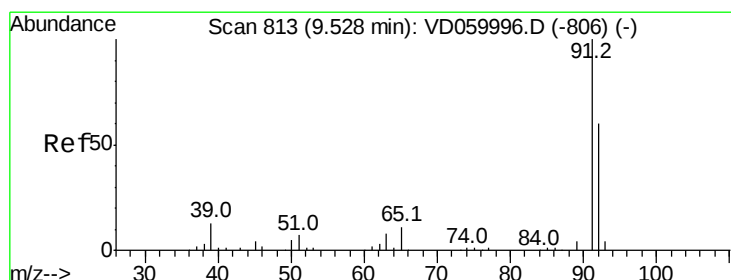
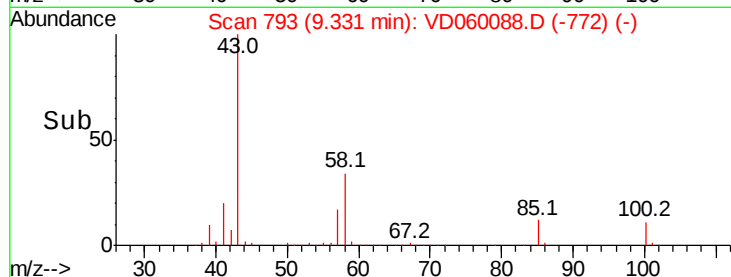
400000

200000

0

Time-->

9.20 9.30 9.40



#52

Toluene

Concen: 22.568 ug/l

RT: 9.54 min Scan# 814

Delta R.T. 0.01 min

Lab File: VD060088.D

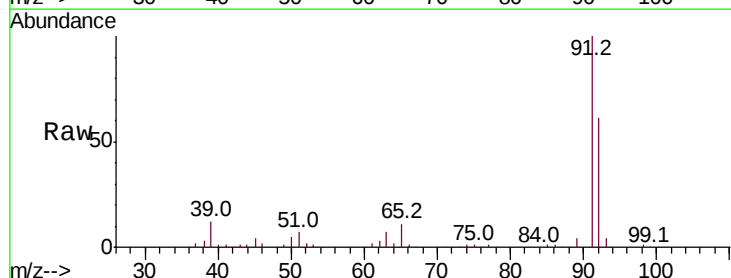
Acq: 25 Sep 2018 12:49

Tgt Ion: 92 Resp: 772853

Ion Ratio Lower Upper

92 100

91 164.1 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.54

600000

500000

400000

300000

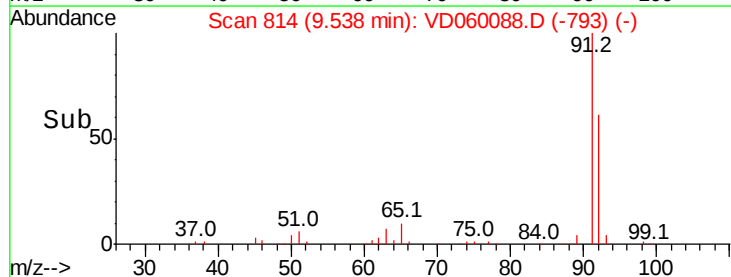
200000

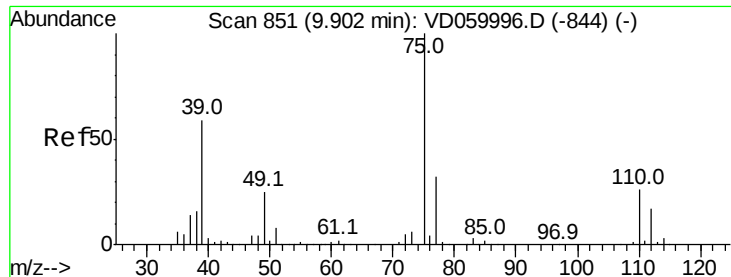
100000

0

Time-->

9.40 9.50 9.60 9.70





#53

t-1,3-Dichloropropene

Concen: 21.258 ug/l

RT: 9.90 min Scan# 851

Delta R.T. -0.00 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

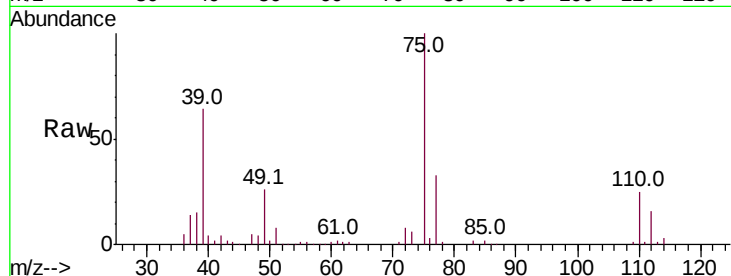
VD0925SBS01

Tot Ion: 75 Resp: 398448

Ion Ratio Lower Upper

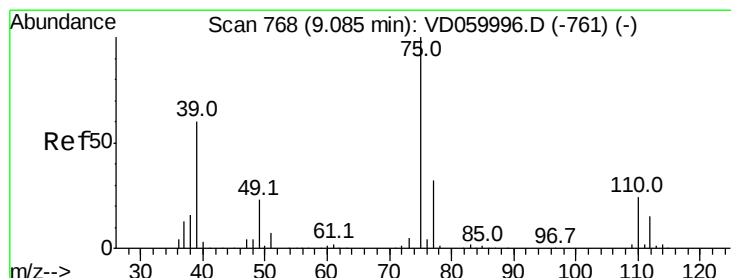
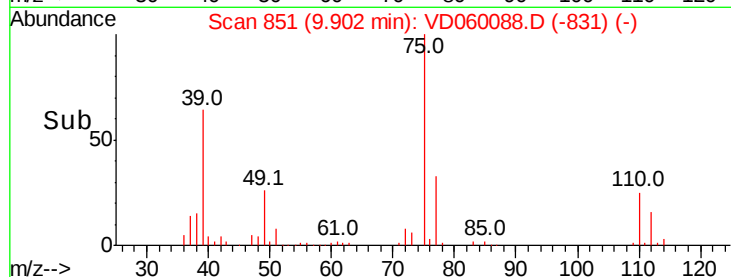
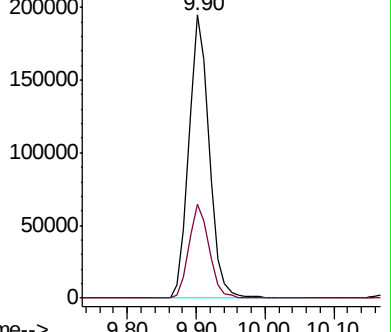
75 100

77 33.2 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 21.854 ug/l

RT: 9.09 min Scan# 768

Delta R.T. -0.00 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

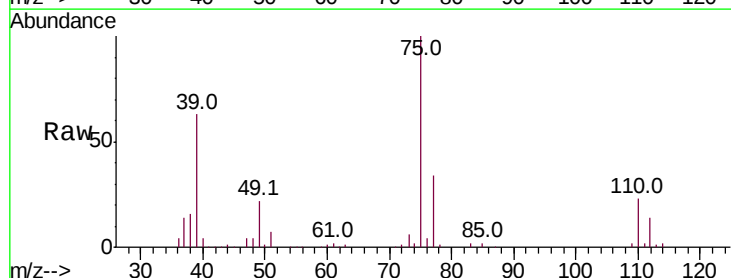
Tgt Ion: 75 Resp: 489426

Ion Ratio Lower Upper

75 100

77 33.7 25.5 38.3

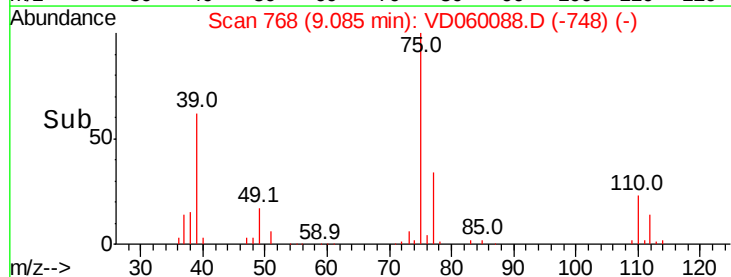
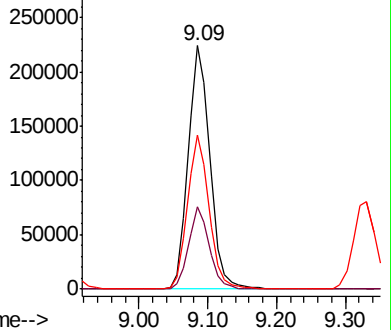
39 63.4 48.0 72.0

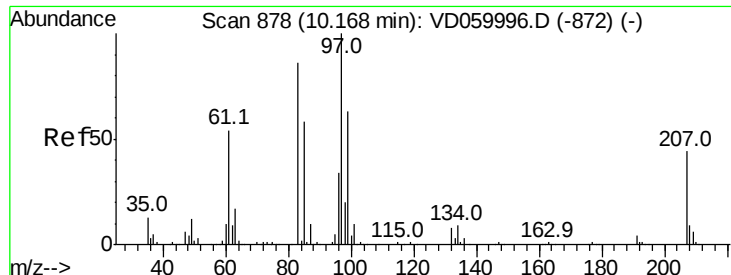


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

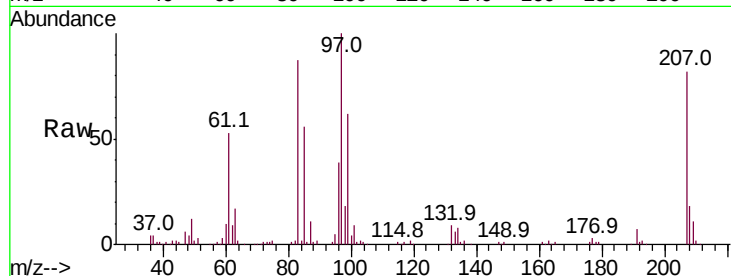




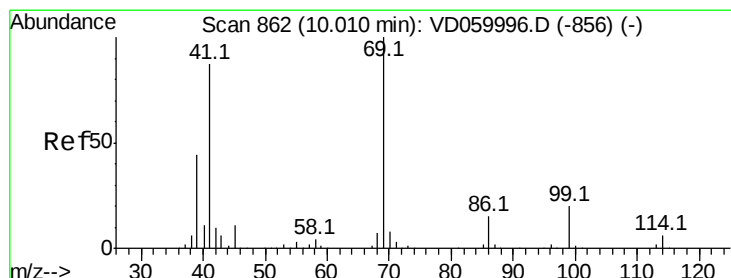
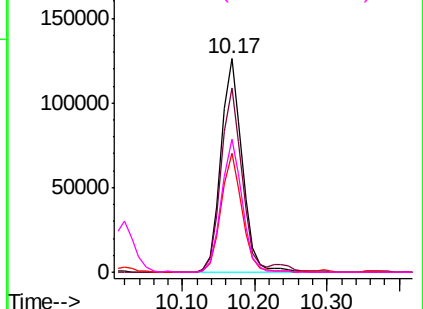
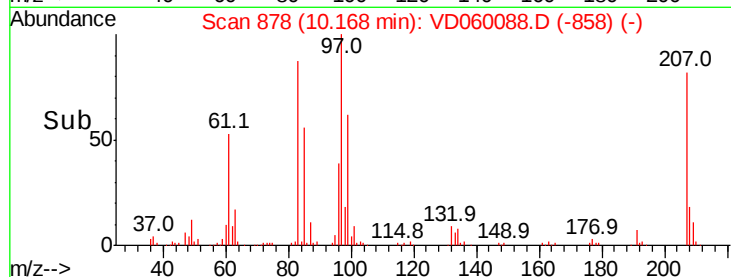
#55
 1,1,2-Trichloroethane
 Concen: 21.544 ug/l
 RT: 10.17 min Scan# 878
 Delta R.T. -0.00 min
 Lab File: VD060088.D
 Acq: 25 Sep 2018 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBS01

Tot Ion:	97	Resp:	256167
Ion	Ratio	Lower	Upper
97	100		
83	86.6	69.1	103.7
85	55.9	46.2	69.4
99	62.4	50.6	75.8

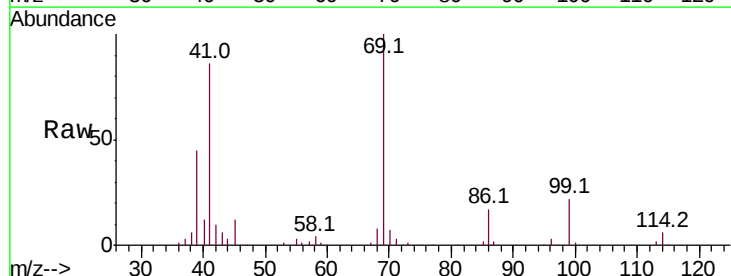


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

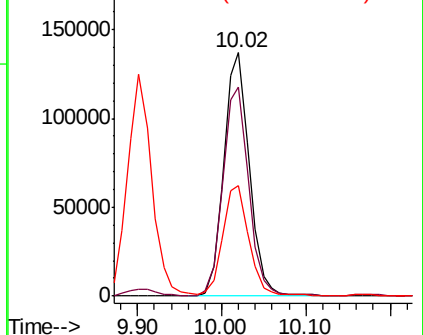
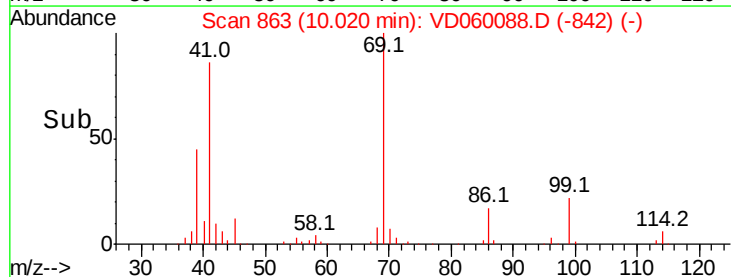


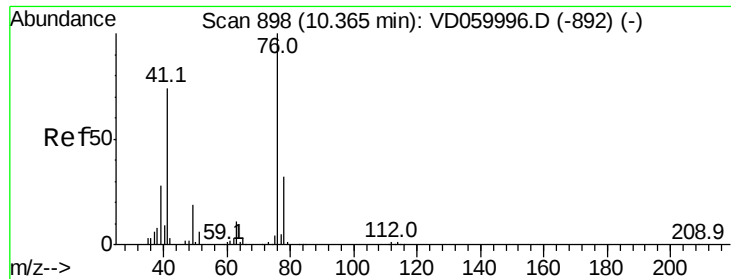
#56
 Ethyl methacrylate
 Concen: 21.751 ug/l
 RT: 10.02 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VD060088.D
 Acq: 25 Sep 2018 12:49

Tgt Ion:	69	Resp:	286860
Ion	Ratio	Lower	Upper
69	100		
41	85.7	70.1	105.1
39	45.4	36.5	54.7



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: 22.172 ug/l

RT: 10.36 min Scan# 898

Delta R.T. -0.00 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

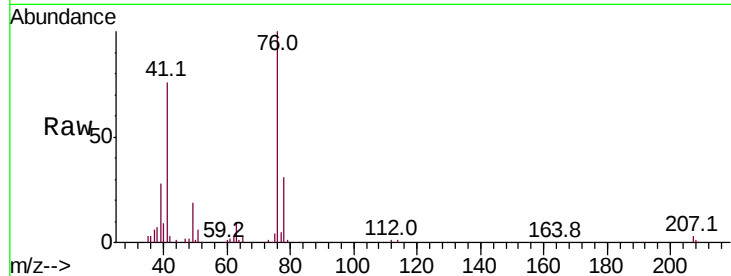
VD0925SBS01

Tot Ion: 76 Resp: 389143

Ion Ratio Lower Upper

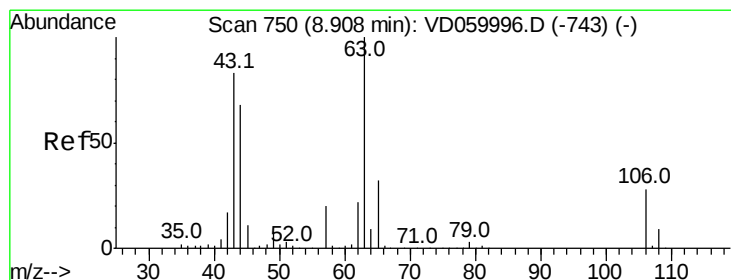
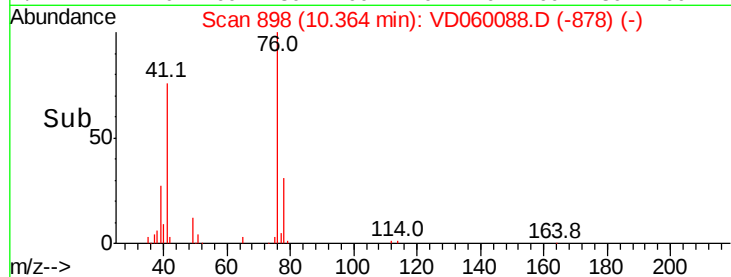
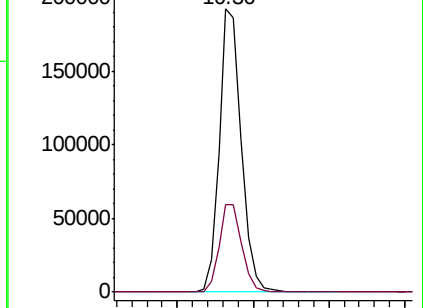
76 100

78 31.2 25.3 37.9



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: 112.187 ug/l

RT: 8.91 min Scan# 750

Delta R.T. -0.00 min

Lab File: VD060088.D

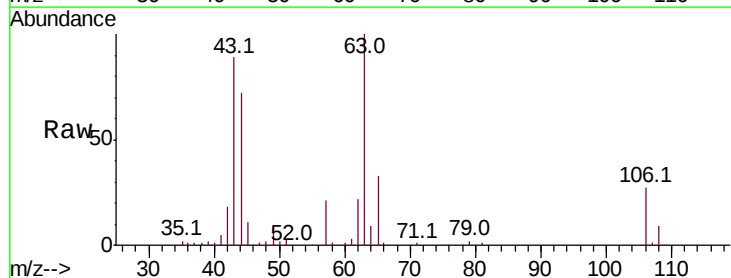
Acq: 25 Sep 2018 12:49

Tgt Ion: 63 Resp: 714471

Ion Ratio Lower Upper

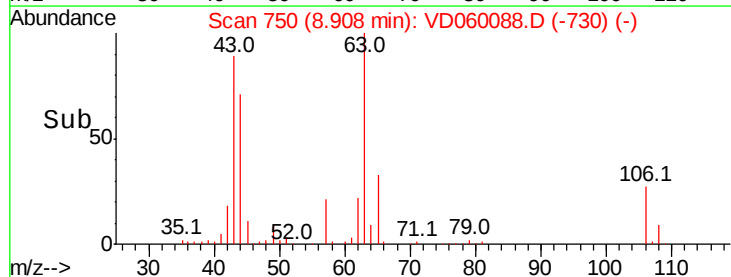
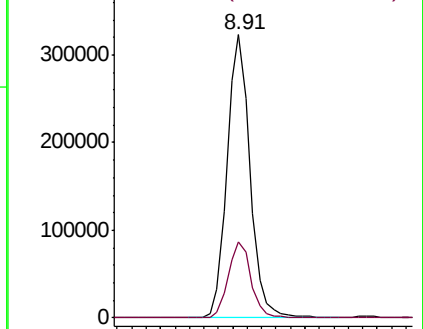
63 100

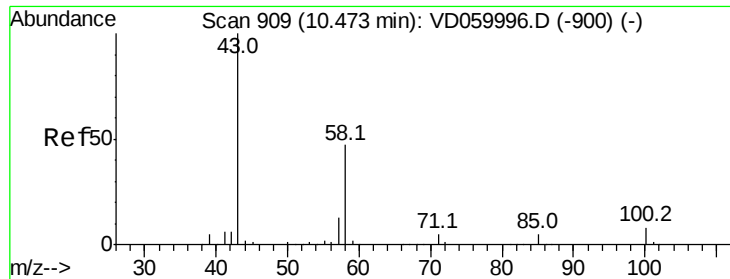
106 26.7 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

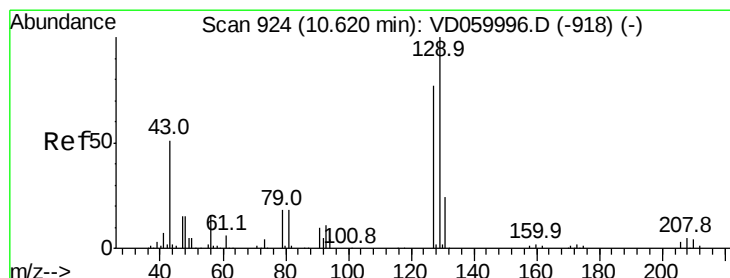
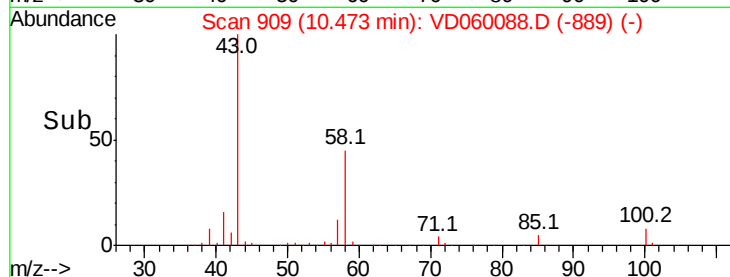
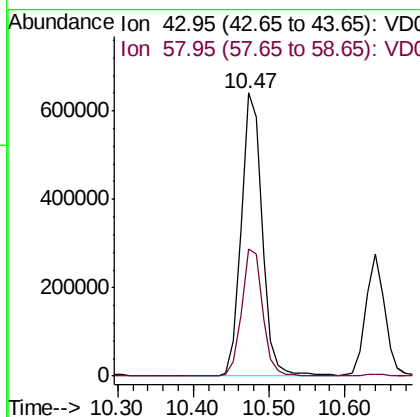
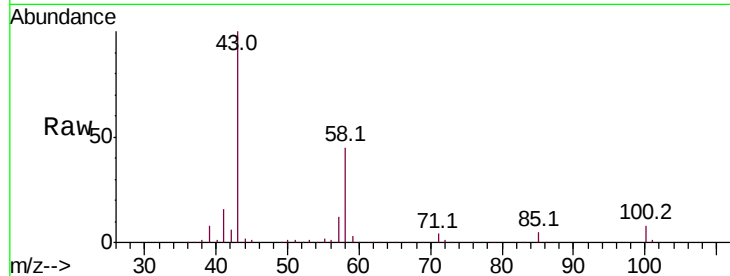




#59
2-Hexanone
Concen: 121.759 ug/l
RT: 10.47 min Scan# 909
Delta R.T. 0.00 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

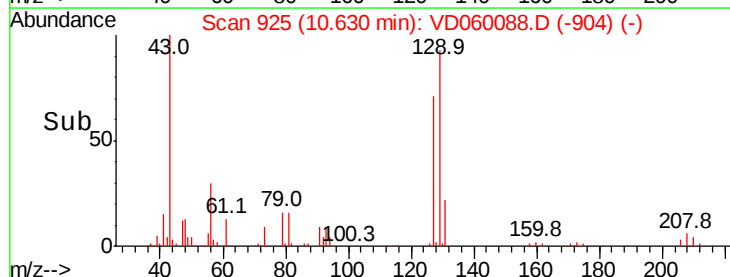
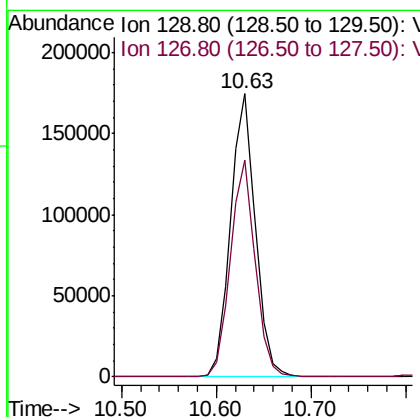
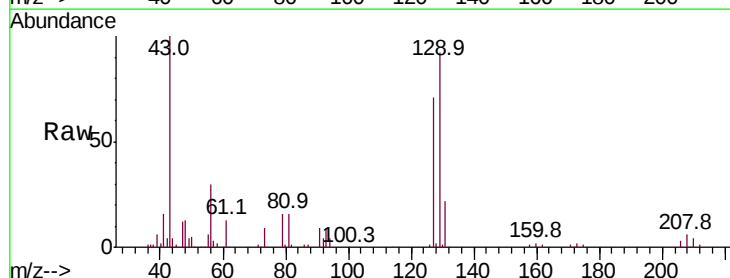
Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

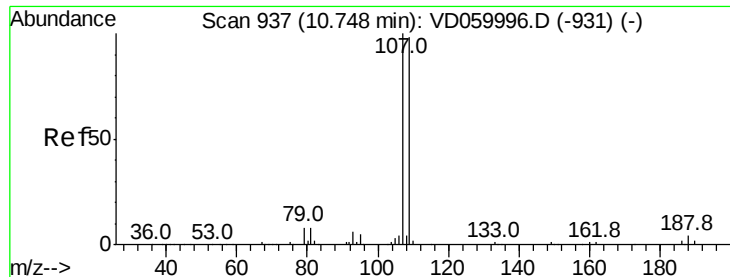
Tot Ion: 43 Resp: 1217566
Ion Ratio Lower Upper
43 100
58 45.1 23.4 70.0



#60
Dibromochloromethane
Concen: 21.889 ug/l
RT: 10.63 min Scan# 925
Delta R.T. 0.01 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Tgt Ion:129 Resp: 316788
Ion Ratio Lower Upper
129 100
127 76.7 38.6 116.0

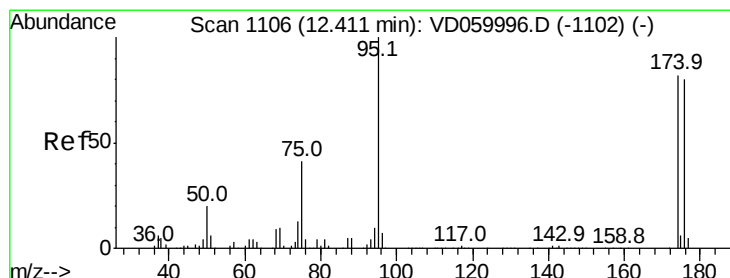
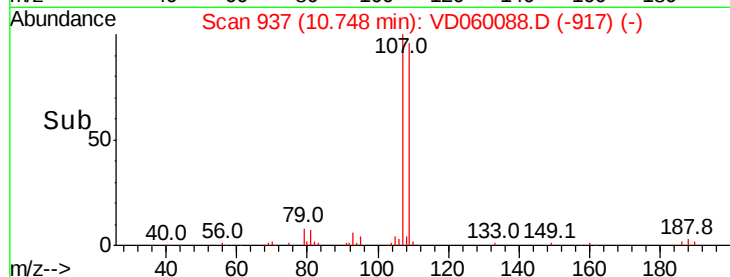
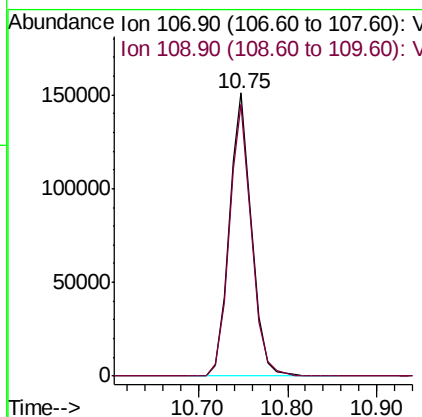
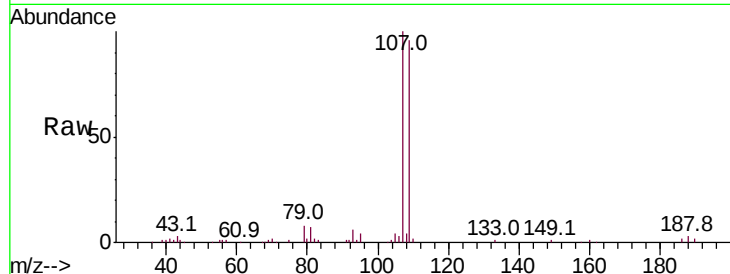




#61
 1,2-Dibromoethane
 Concen: 21.567 ug/l
 RT: 10.75 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VD060088.D
 Acq: 25 Sep 2018 12:49

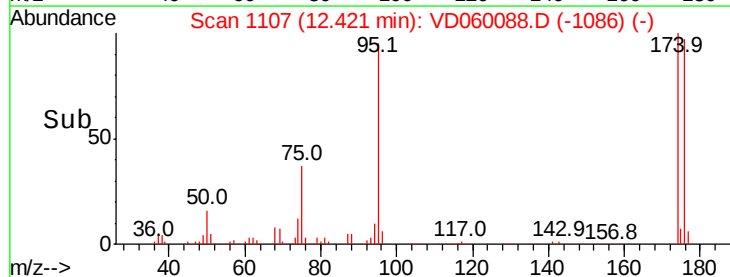
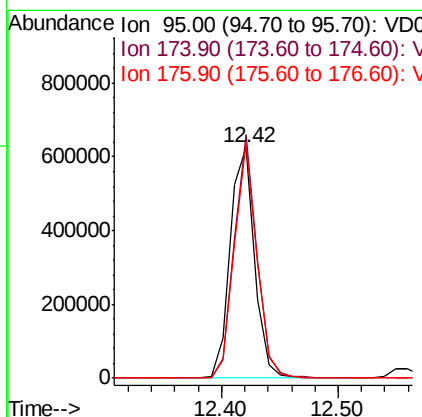
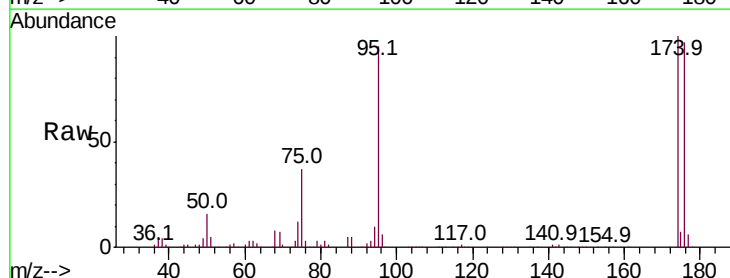
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBS01

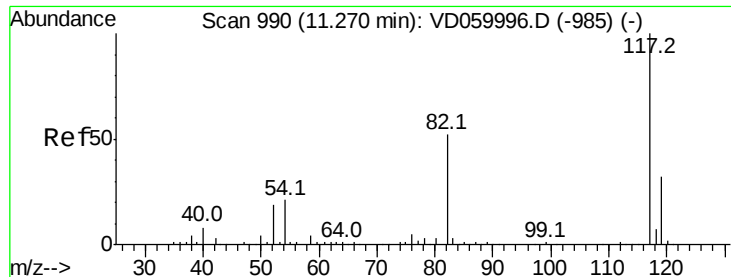
Tot Ion:107 Resp: 264767
 Ion Ratio Lower Upper
 107 100
 109 96.1 78.2 117.2



#62
 4-Bromofluorobenzene
 Concen: 21.567 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. 0.01 min
 Lab File: VD060088.D
 Acq: 25 Sep 2018 12:49

Tgt Ion: 95 Resp: 905108
 Ion Ratio Lower Upper
 95 100
 174 105.5 0.0 165.0
 176 102.4 0.0 160.2

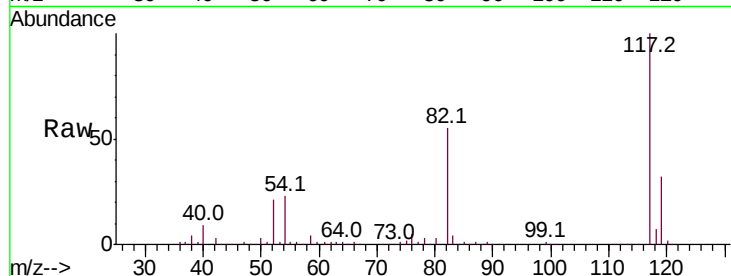




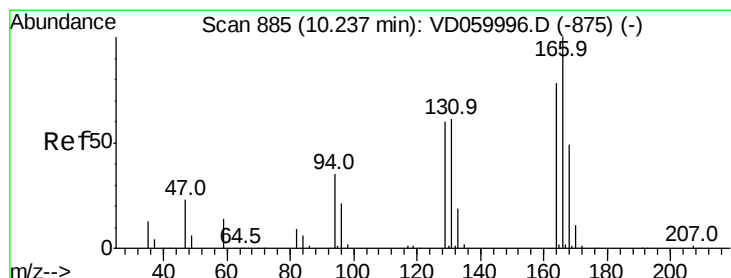
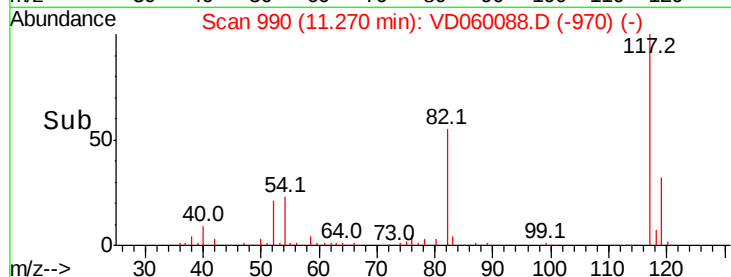
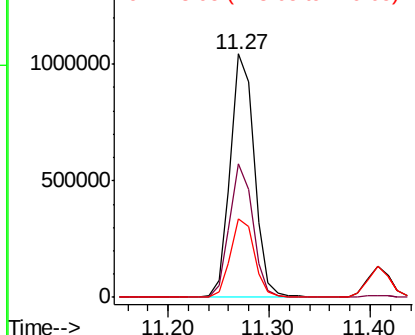
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 990
Delta R.T. -0.00 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

Tot Ion:117 Resp: 1727023
Ion Ratio Lower Upper
117 100
82 55.0 41.7 62.5
119 32.4 26.0 39.0

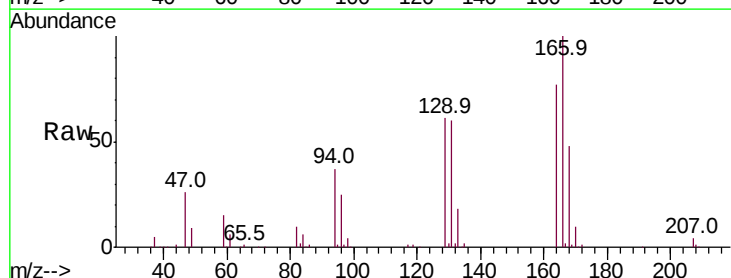


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

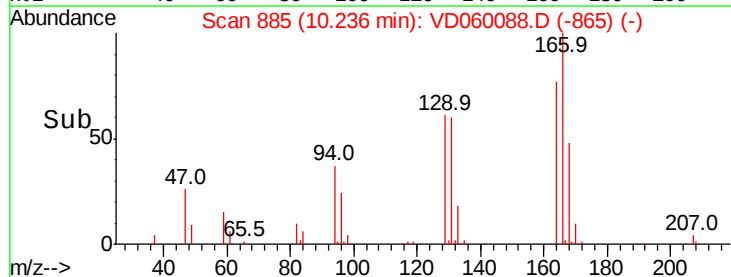
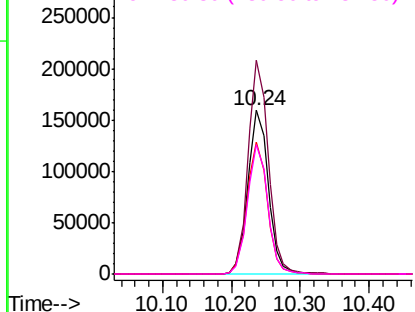


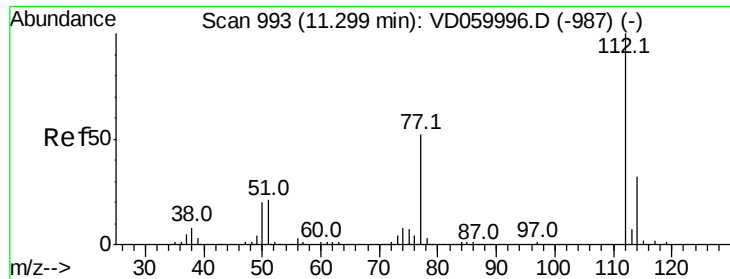
#64
Tetrachloroethene
Concen: 21.730 ug/l
RT: 10.24 min Scan# 885
Delta R.T. -0.00 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Tgt Ion:164 Resp: 331107
Ion Ratio Lower Upper
164 100
166 130.6 103.0 154.6
129 80.3 61.9 92.9
131 78.8 62.6 93.8



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: 22.744 ug/l

RT: 11.30 min Scan# 993

Delta R.T. -0.00 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

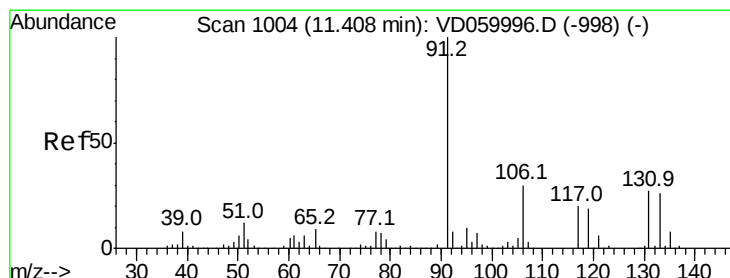
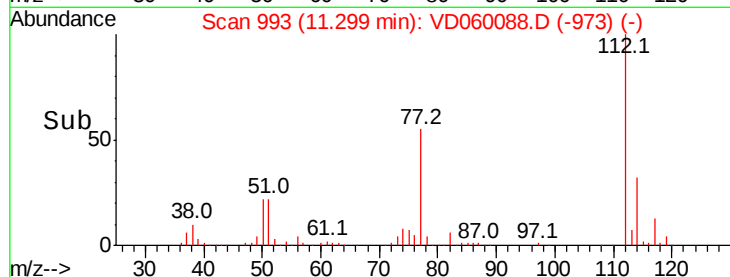
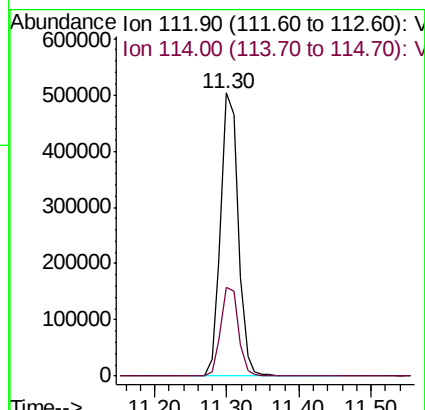
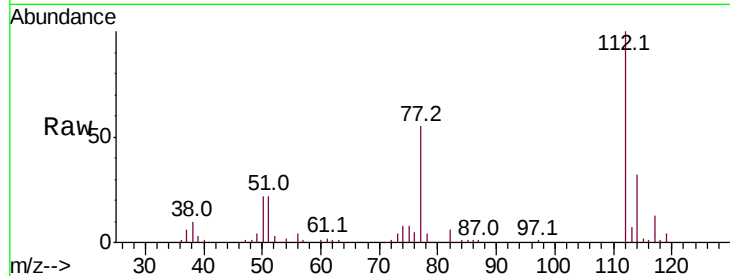
VD0925SBS01

Tot Ion:112 Resp: 844499

Ion Ratio Lower Upper

112 100

114 31.6 25.3 37.9



#66

1,1,1,2-Tetrachloroethane

Concen: 23.600 ug/l

RT: 11.41 min Scan# 1004

Delta R.T. -0.00 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

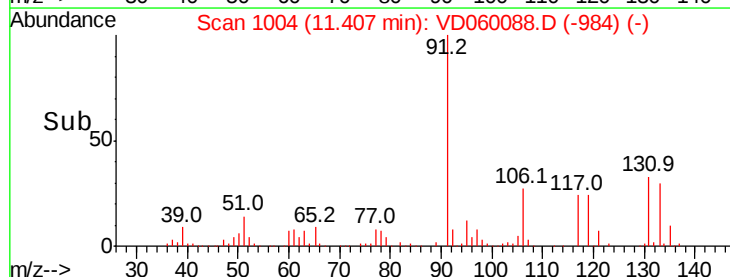
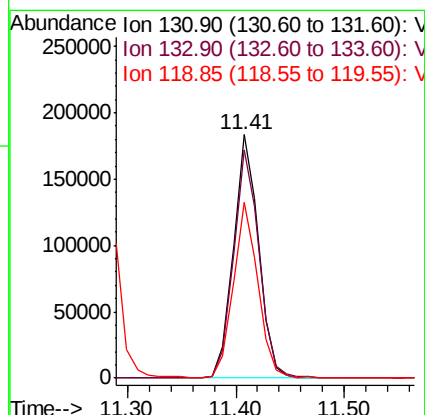
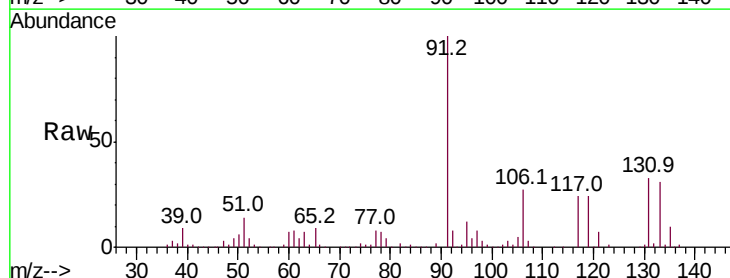
Tgt Ion:131 Resp: 295548

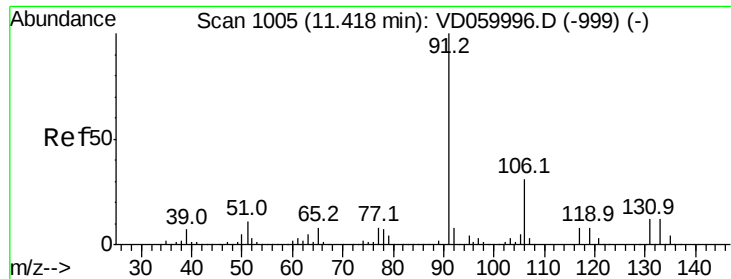
Ion Ratio Lower Upper

131 100

133 93.7 47.4 142.3

119 72.2 35.6 106.9

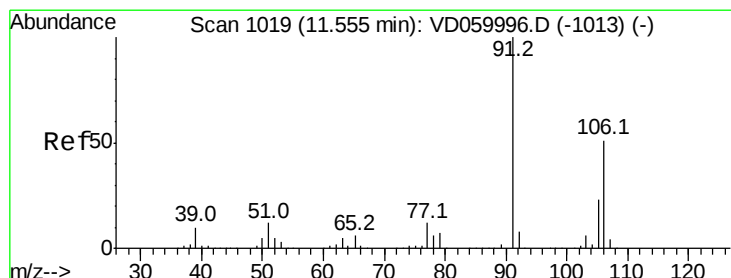
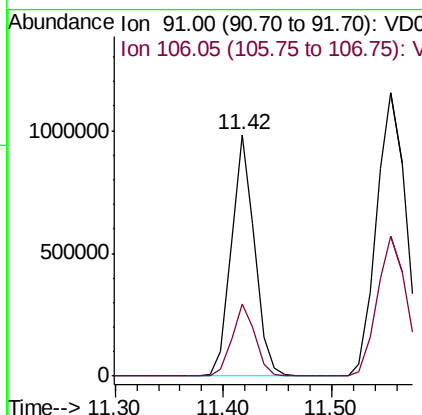
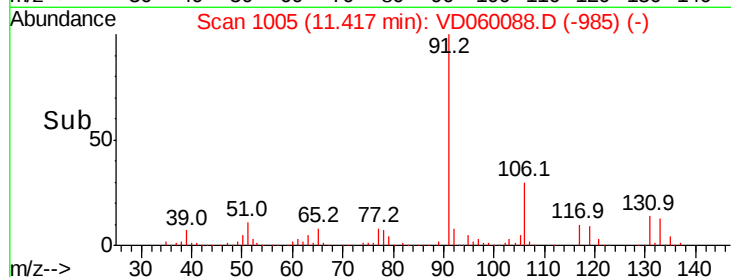
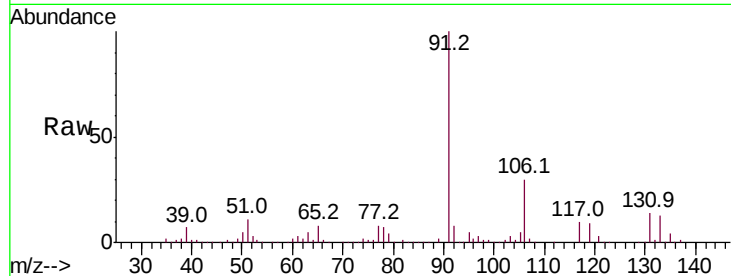




#67
Ethyl Benzene
Concen: 24.537 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

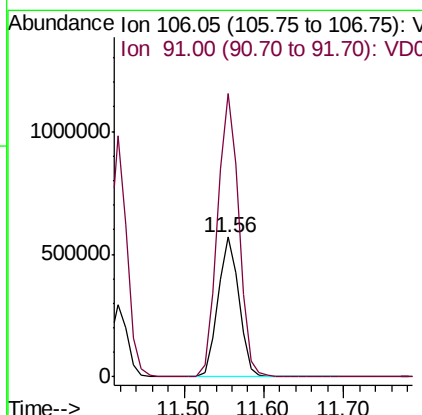
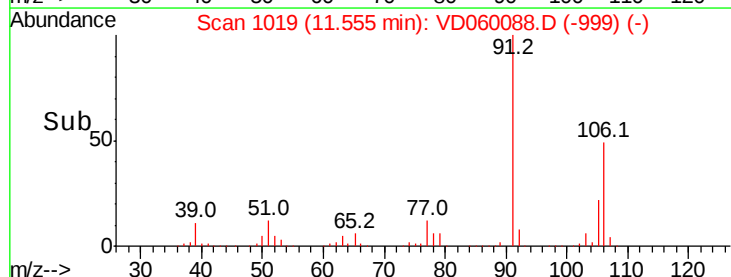
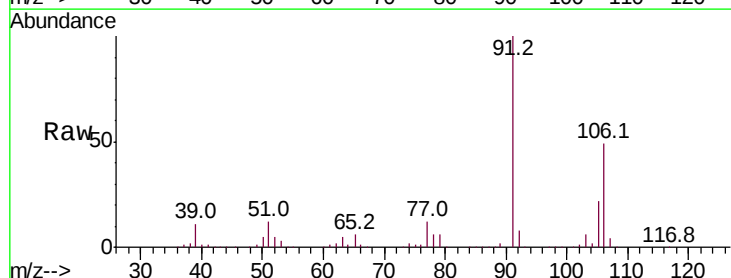
Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

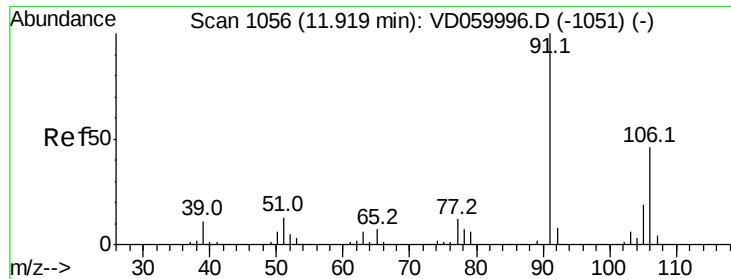
Tot Ion: 91 Resp: 1466135
Ion Ratio Lower Upper
91 100
106 29.8 24.8 37.2



#68
m/p-Xylenes
Concen: 48.150 ug/l
RT: 11.56 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Tgt Ion:106 Resp: 1062567
Ion Ratio Lower Upper
106 100
91 202.9 157.0 235.6

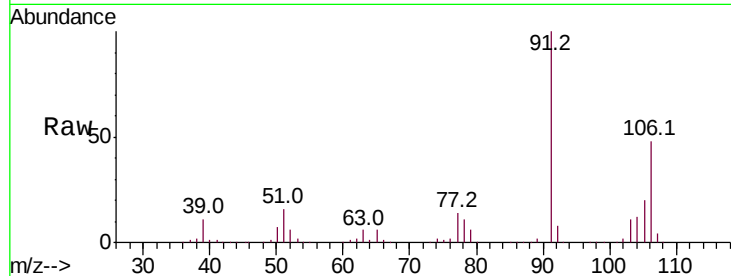




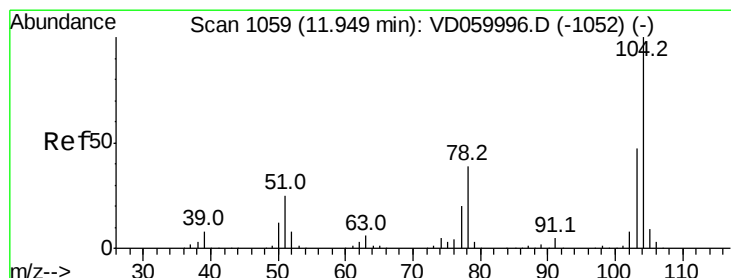
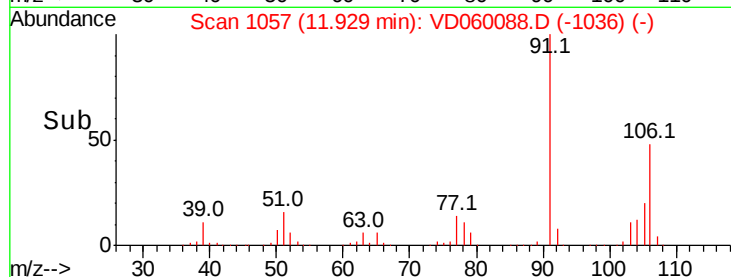
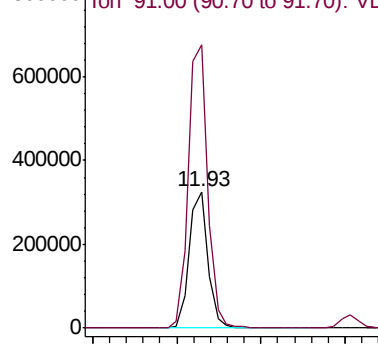
#69
o-Xylene
Concen: 22.925 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. 0.01 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

Tot Ion:106 Resp: 501280
Ion Ratio Lower Upper
106 100
91 207.4 107.7 323.1

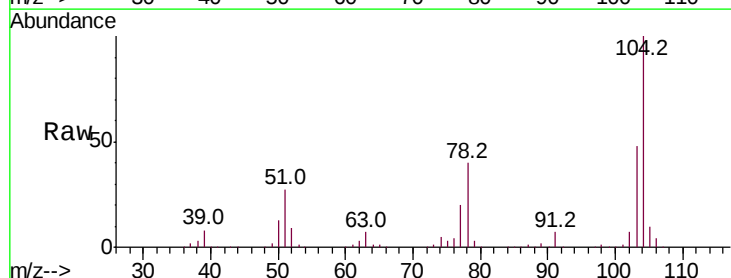


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

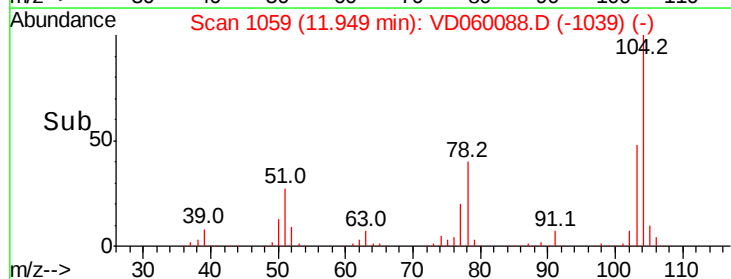
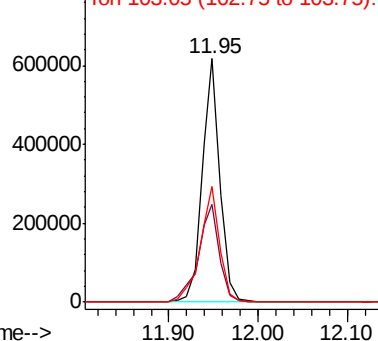


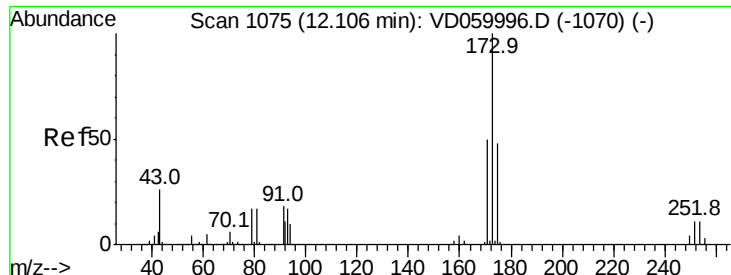
#70
Styrene
Concen: 23.468 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. -0.00 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Tgt Ion:104 Resp: 862819
Ion Ratio Lower Upper
104 100
78 40.2 31.0 46.4
103 47.6 37.6 56.4



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

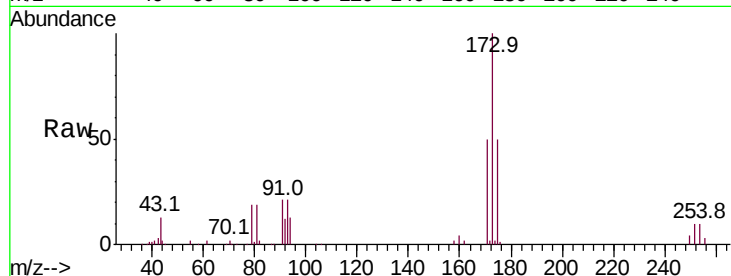




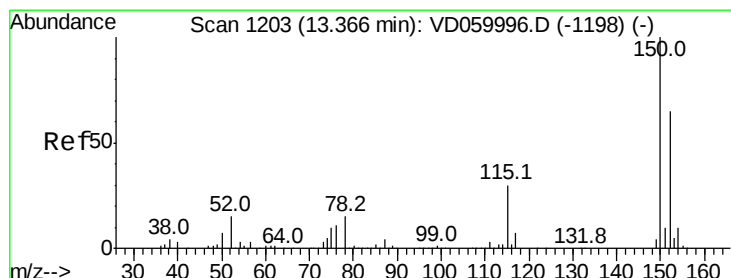
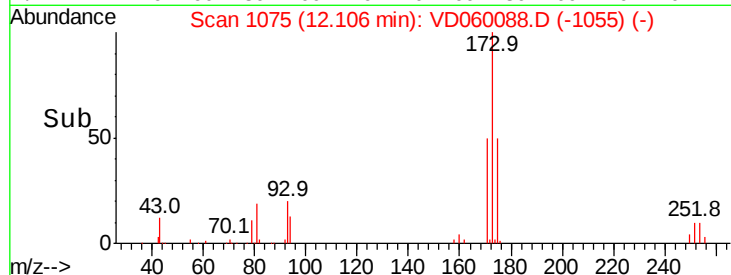
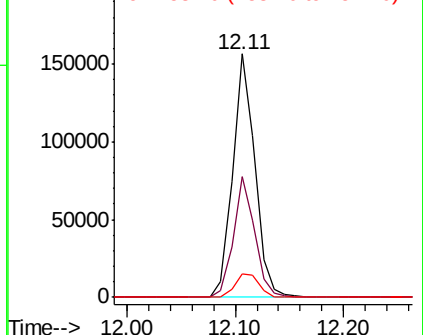
#71
Bromoform
Concen: 20.691 ug/l
RT: 12.11 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

Tot Ion:173 Resp: 222631
Ion Ratio Lower Upper
173 100
175 49.8 24.0 72.0
254 9.9 8.6 13.0

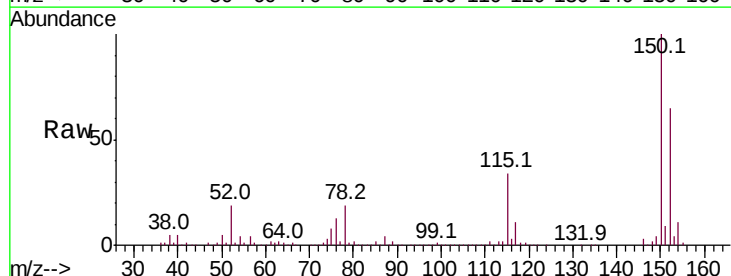


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

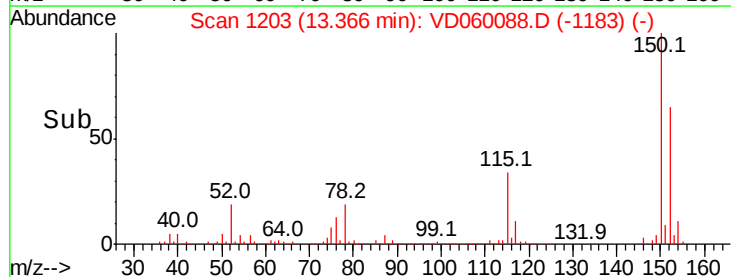
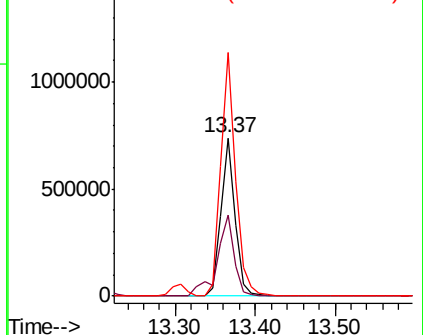


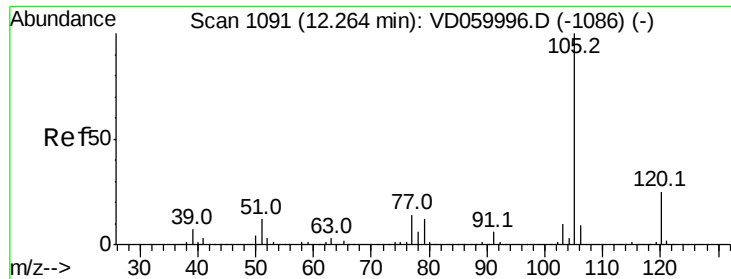
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1203
Delta R.T. -0.00 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Tgt Ion:152 Resp: 924725
Ion Ratio Lower Upper
152 100
115 51.5 24.6 73.8
150 153.7 0.0 313.4



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: 23.403 ug/l

RT: 12.26 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

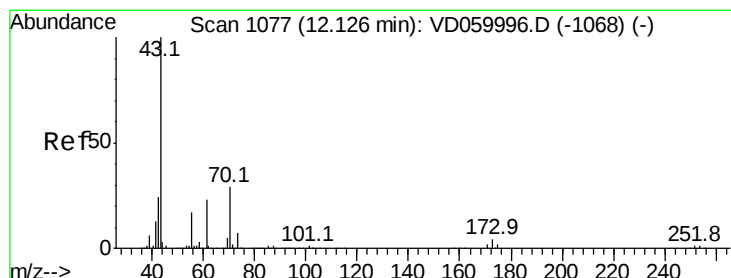
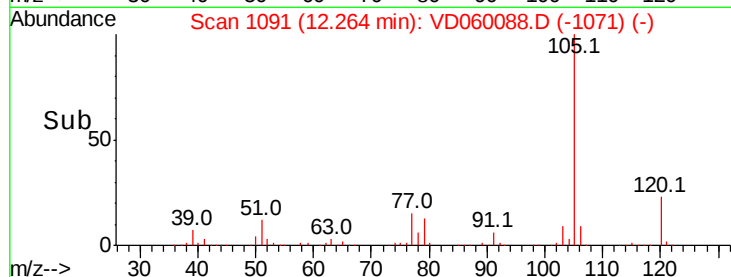
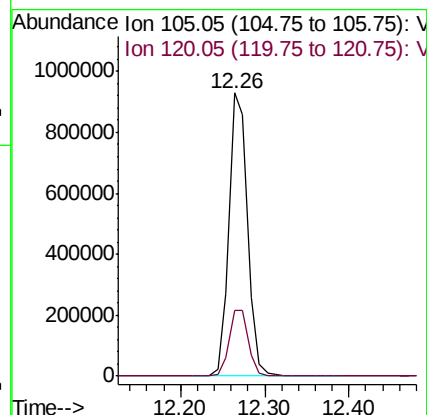
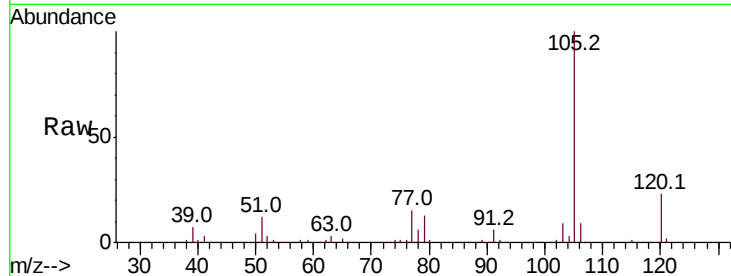
VD0925SBS01

Tot Ion:105 Resp: 1419309

Ion Ratio Lower Upper

105 100

120 23.4 12.3 36.9



#74

N-ethyl acetate

Concen: 21.581 ug/l

RT: 12.13 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Tgt Ion: 43 Resp: 518445

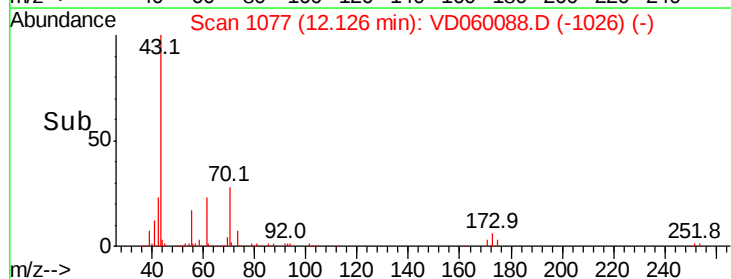
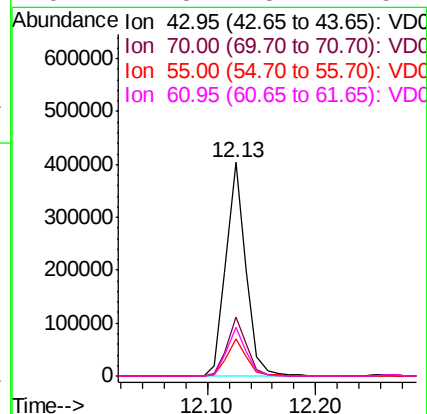
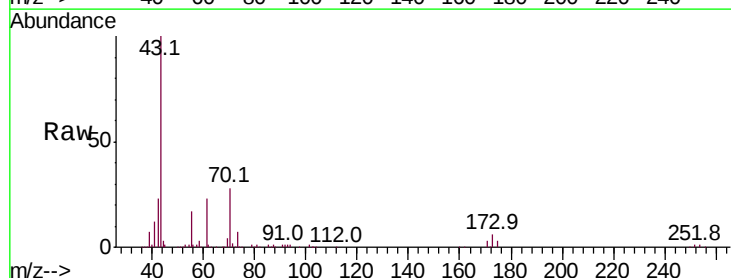
Ion Ratio Lower Upper

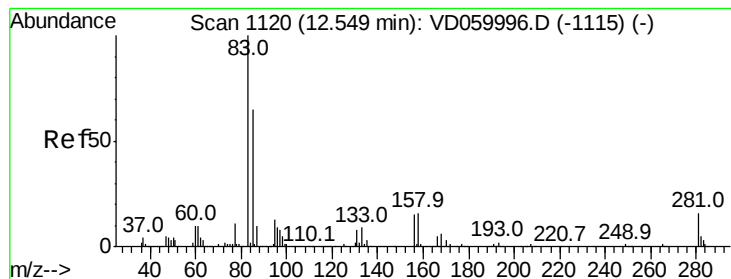
43 100

70 27.8 22.9 34.3

55 17.4 14.0 21.0

61 22.8 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.523 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

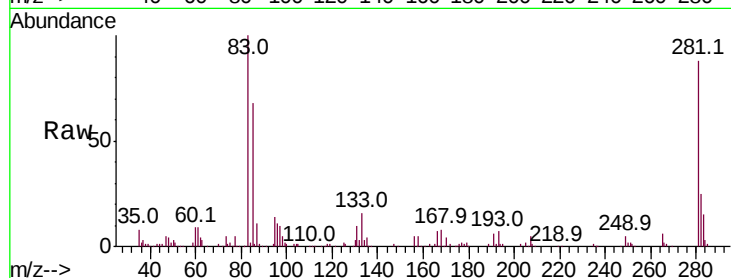
Tot Ion: 83 Resp: 296117

Ion Ratio Lower Upper

83 100

131 9.9 4.1 12.3

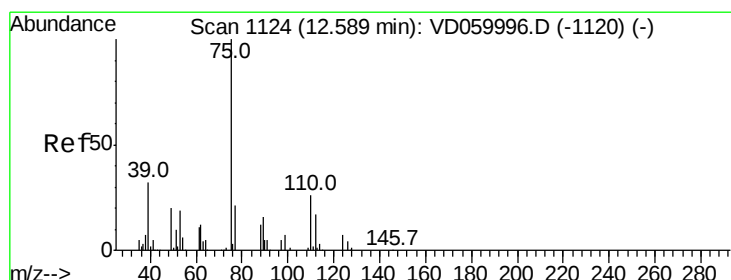
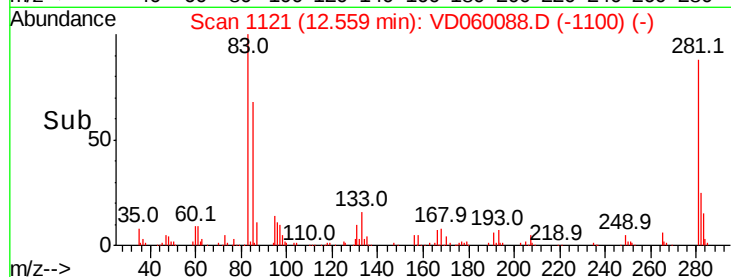
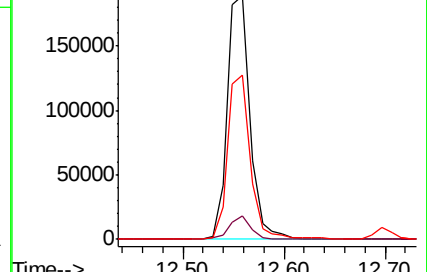
85 67.6 32.4 97.2



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: 21.361 ug/l

RT: 12.59 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VD060088.D

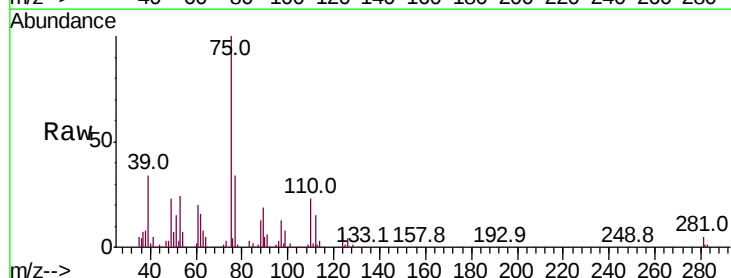
Acq: 25 Sep 2018 12:49

Tgt Ion: 75 Resp: 301680

Ion Ratio Lower Upper

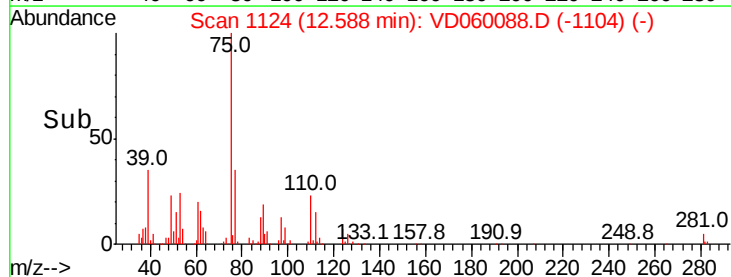
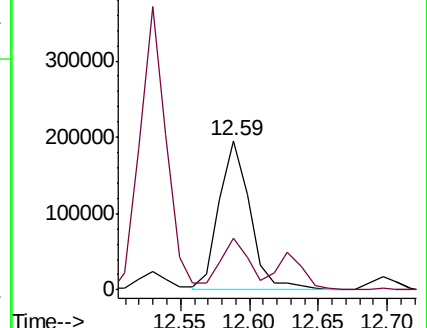
75 100

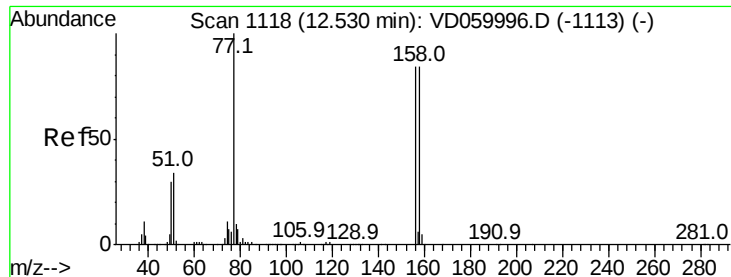
77 34.4 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 23.047 ug/l

RT: 12.53 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

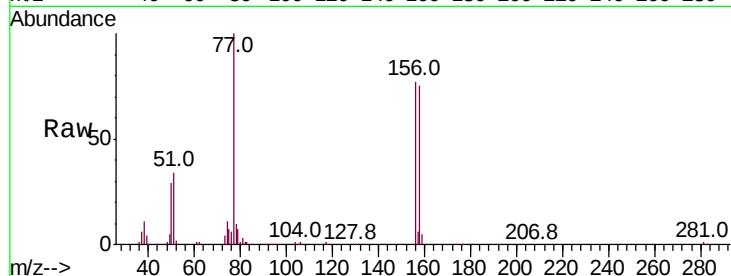
Tot Ion:156 Resp: 402625

Ion Ratio Lower Upper

156 100

77 130.0 59.5 178.4

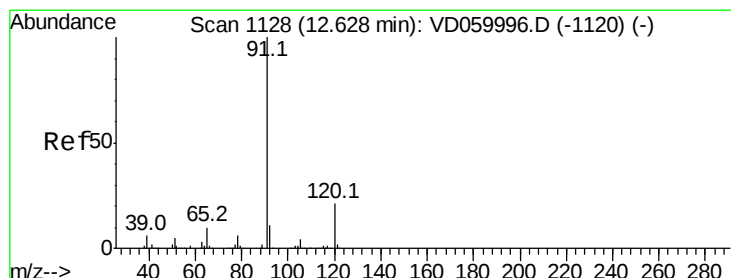
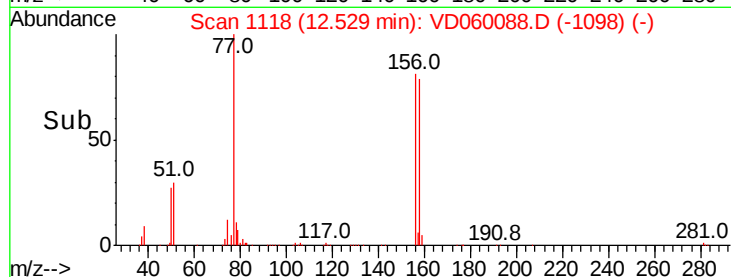
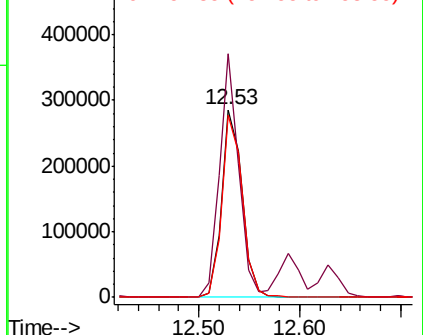
158 97.1 50.0 149.8



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: 23.223 ug/l

RT: 12.63 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VD060088.D

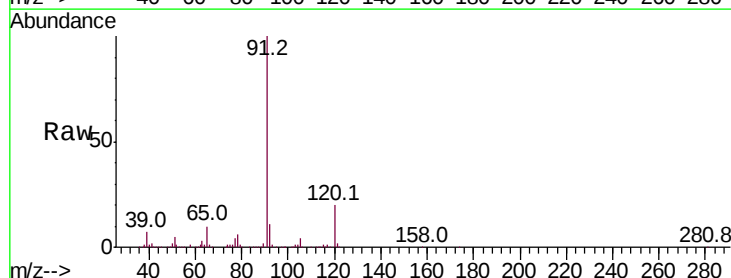
Acq: 25 Sep 2018 12:49

Tgt Ion: 91 Resp: 1771099

Ion Ratio Lower Upper

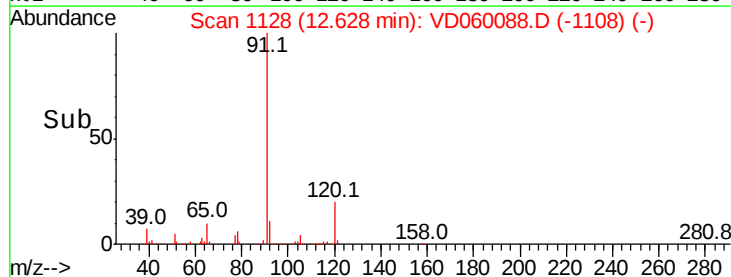
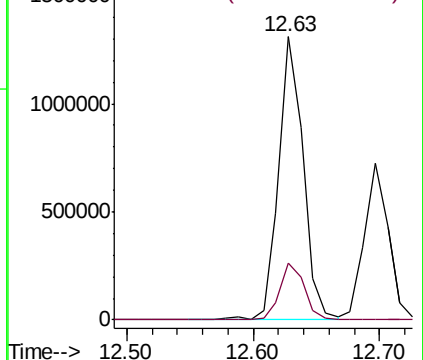
91 100

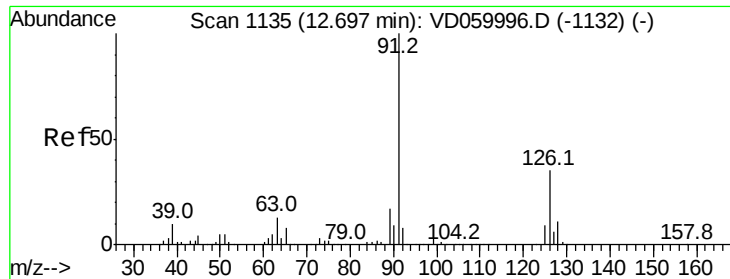
120 19.9 10.7 31.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

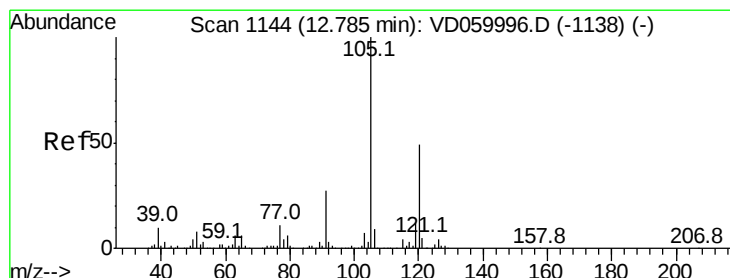
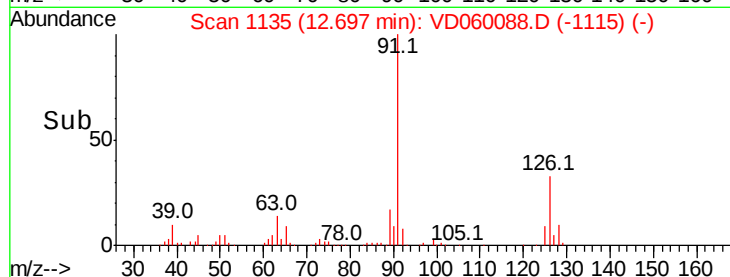
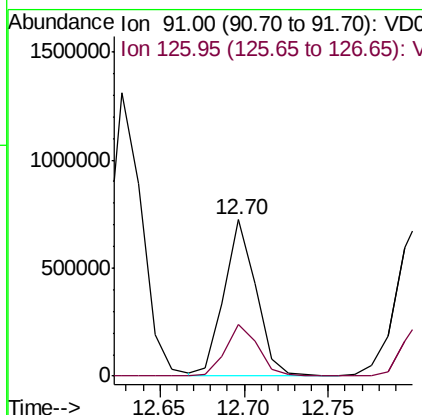
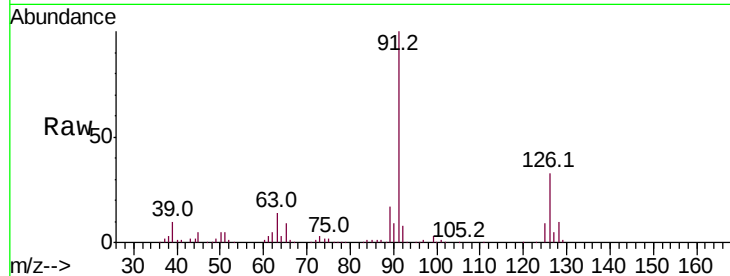




#79
 2-Chlorotoluene
 Concen: 22.195 ug/l
 RT: 12.70 min Scan# 1135
 Delta R.T. -0.00 min
 Lab File: VD060088.D
 Acq: 25 Sep 2018 12:49

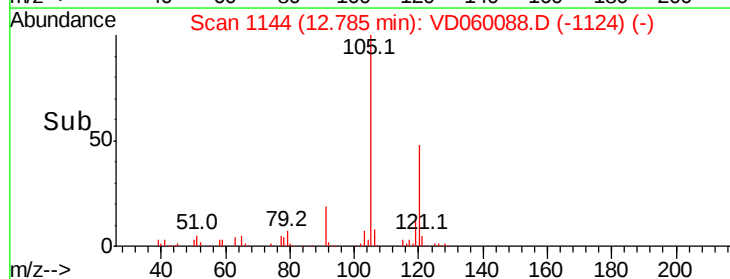
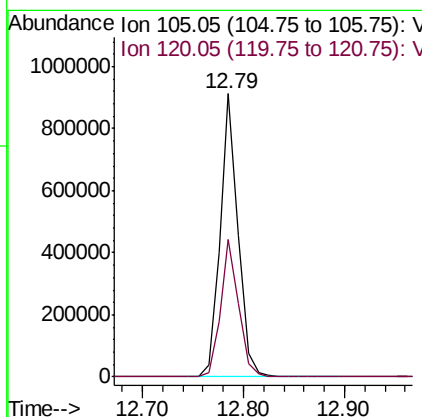
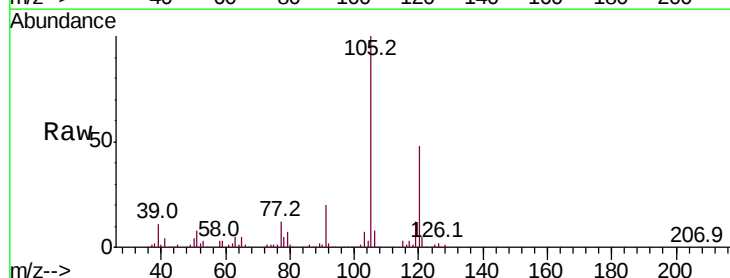
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBS01

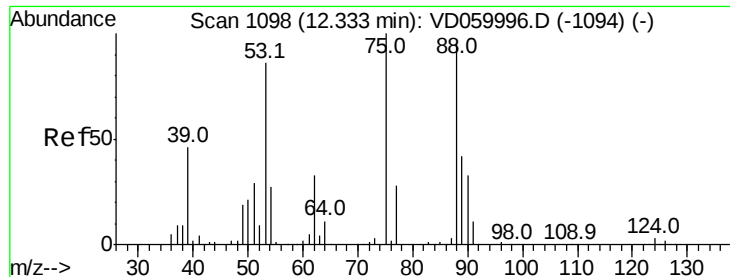
Tot Ion: 91 Resp: 955405
 Ion Ratio Lower Upper
 91 100
 126 32.8 17.3 52.0



#80
 1,3,5-Trimethylbenzene
 Concen: 24.181 ug/l
 RT: 12.79 min Scan# 1144
 Delta R.T. -0.00 min
 Lab File: VD060088.D
 Acq: 25 Sep 2018 12:49

Tgt Ion:105 Resp: 1124037
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 20.073 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. -0.00 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

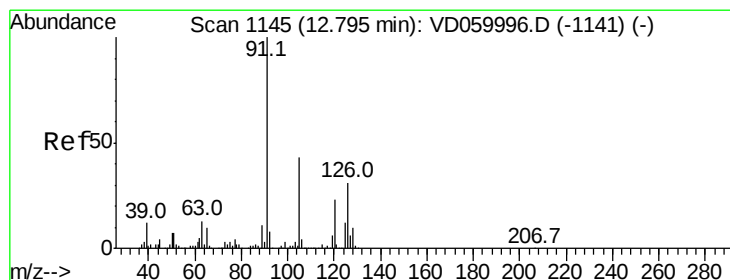
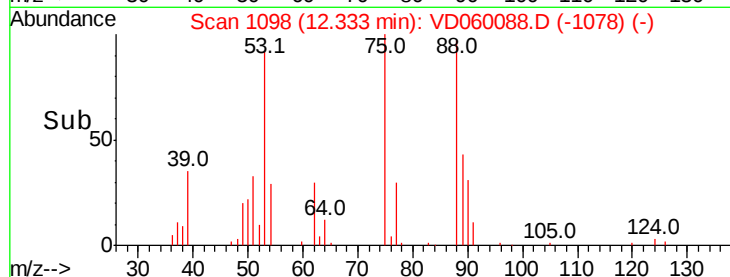
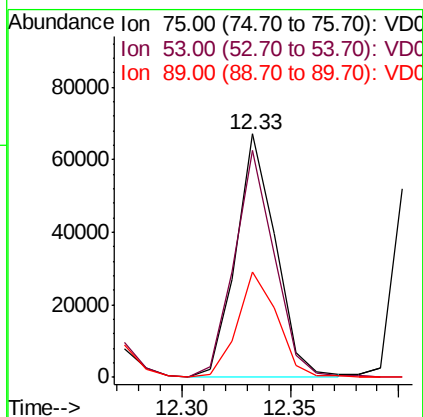
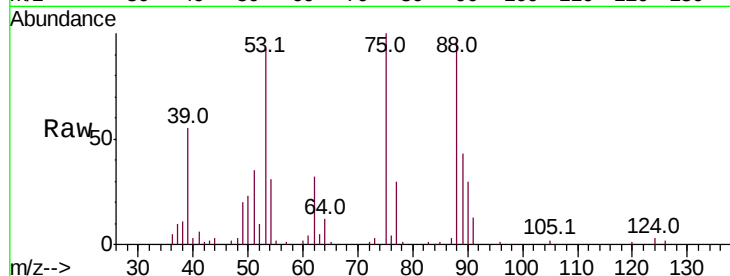
Tot Ion: 75 Resp: 85577

Ion Ratio Lower Upper

75 100

53 93.0 68.4 102.6

89 43.1 33.8 50.6



#82

4-Chlorotoluene

Concen: 23.679 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VD060088.D

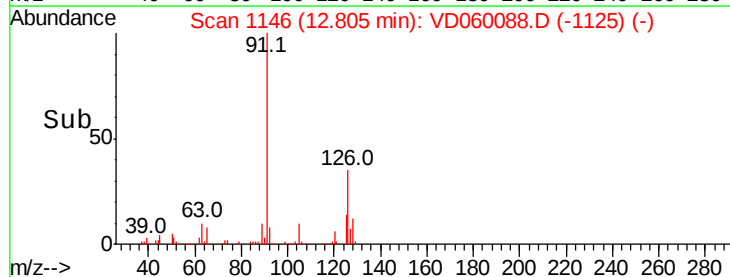
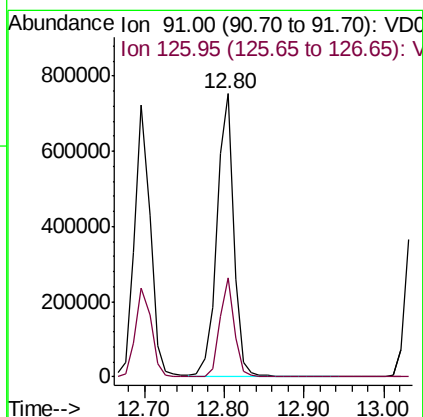
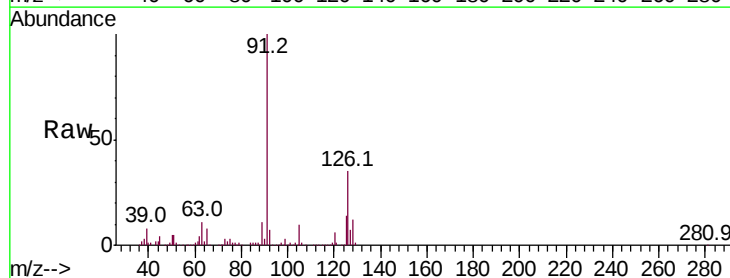
Acq: 25 Sep 2018 12:49

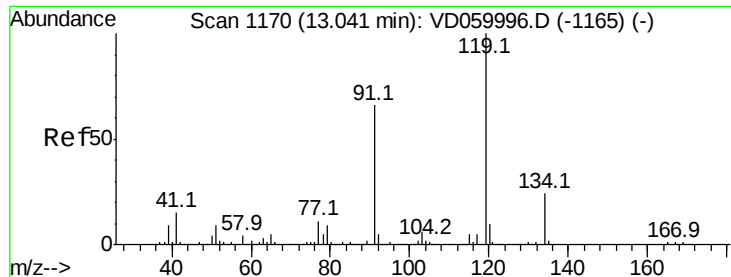
Tgt Ion: 91 Resp: 1120609

Ion Ratio Lower Upper

91 100

126 35.2 15.4 46.1



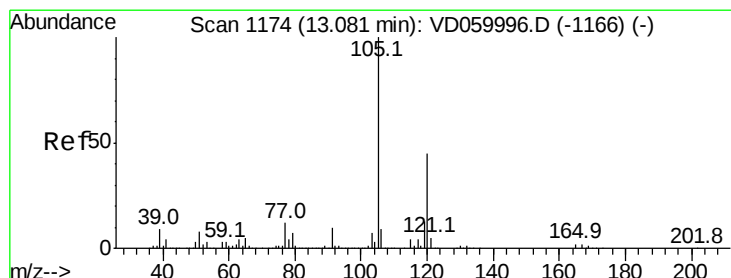
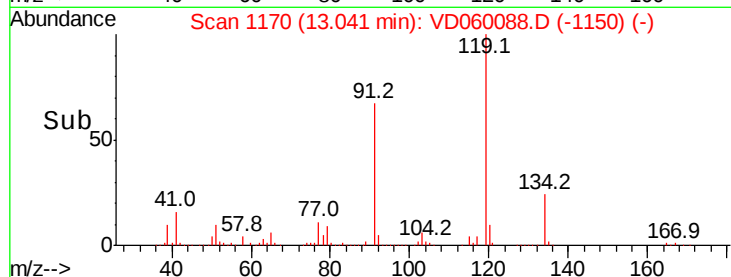
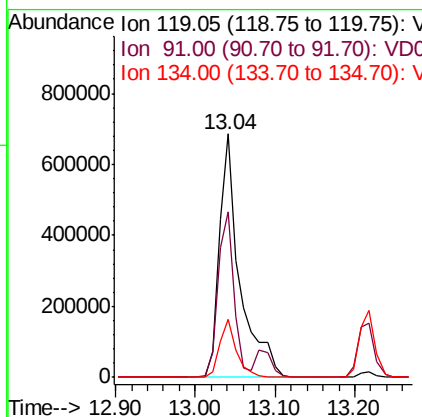
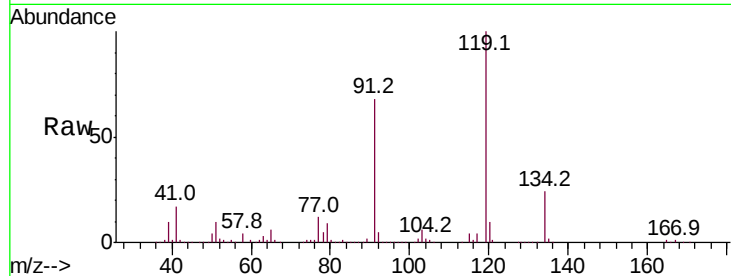


#83
 tert-Butylbenzene
 Concen: 23.011 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. -0.00 min
 Lab File: VD060088.D
 Acq: 25 Sep 2018 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBS01

Tot Ion:119 Resp: 1239213

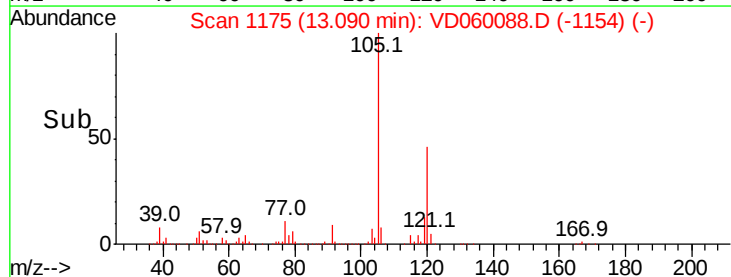
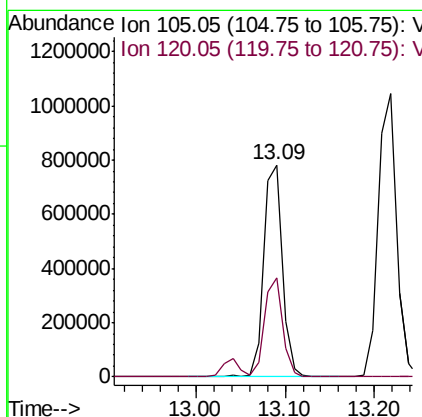
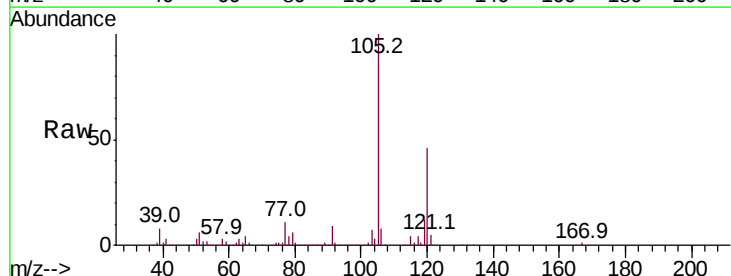
Ion	Ratio	Lower	Upper
119	100		
91	68.1	32.9	98.6
134	23.7	12.0	36.0

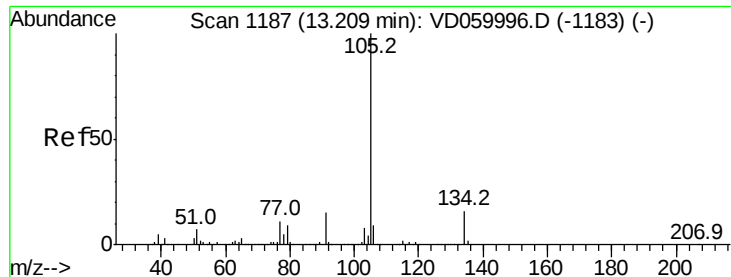


#84
 1,2,4-Trimethylbenzene
 Concen: 22.612 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: VD060088.D
 Acq: 25 Sep 2018 12:49

Tgt Ion:105 Resp: 1121678

Ion	Ratio	Lower	Upper
105	100		
120	46.5	22.4	67.0

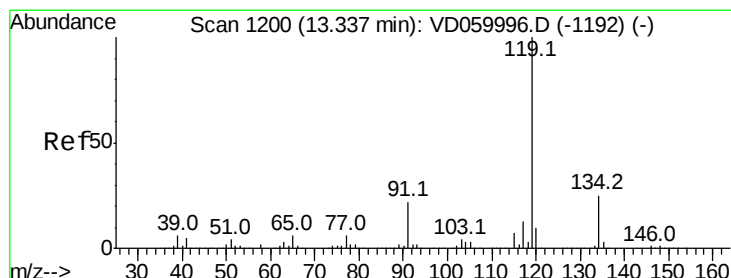
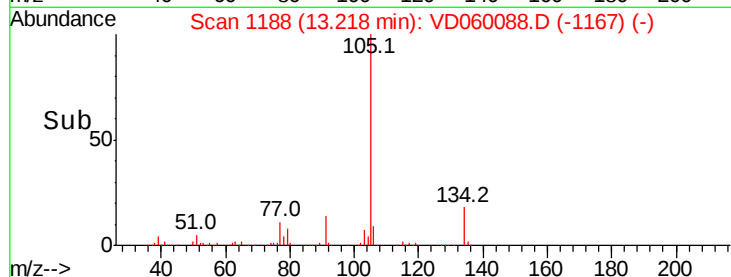
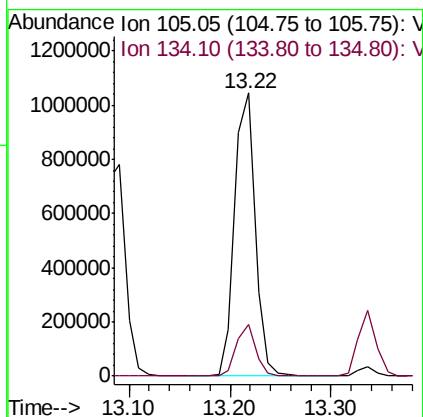
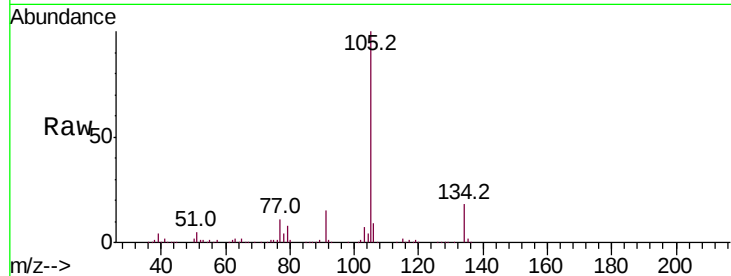




#85
 sec-Butylbenzene
 Concen: 23.029 ug/l
 RT: 13.22 min Scan# 1188
 Delta R.T. 0.01 min
 Lab File: VD060088.D
 Acq: 25 Sep 2018 12:49

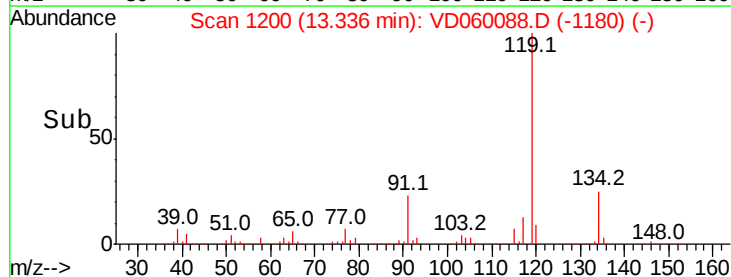
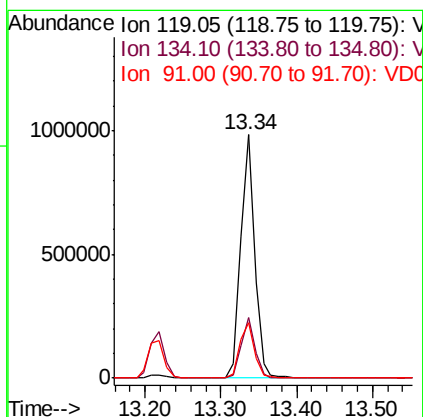
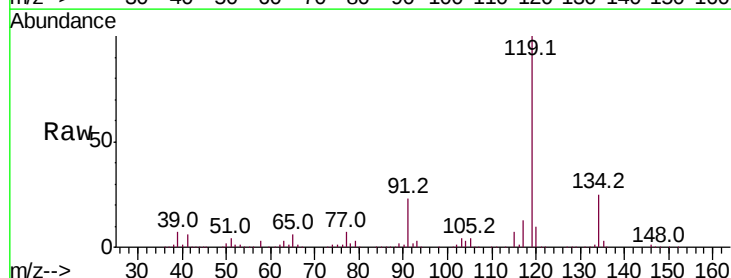
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBS01

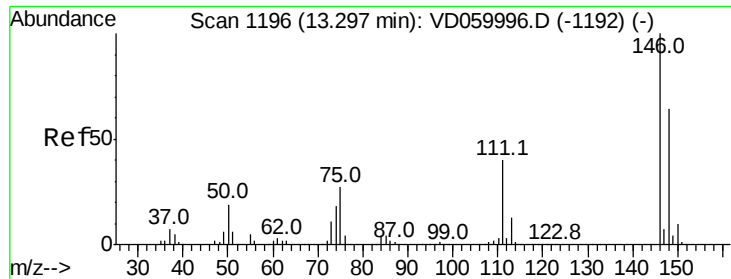
Tot Ion:105 Resp: 1472118
 Ion Ratio Lower Upper
 105 100
 134 18.1 8.2 24.6



#86
 p-Isopropyltoluene
 Concen: 23.843 ug/l
 RT: 13.34 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VD060088.D
 Acq: 25 Sep 2018 12:49

Tgt Ion:119 Resp: 1232763
 Ion Ratio Lower Upper
 119 100
 134 24.7 12.8 38.3
 91 23.0 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 23.377 ug/l

RT: 13.31 min Scan# 1197

Delta R.T. 0.01 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

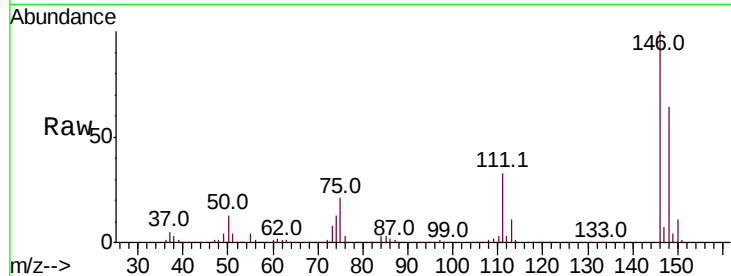
Tot Ion:146 Resp: 710198

Ion Ratio Lower Upper

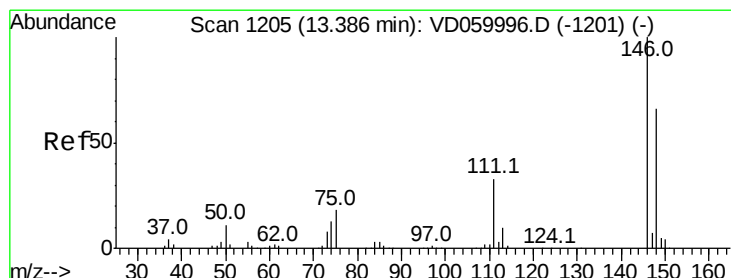
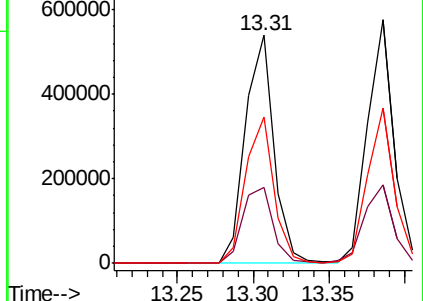
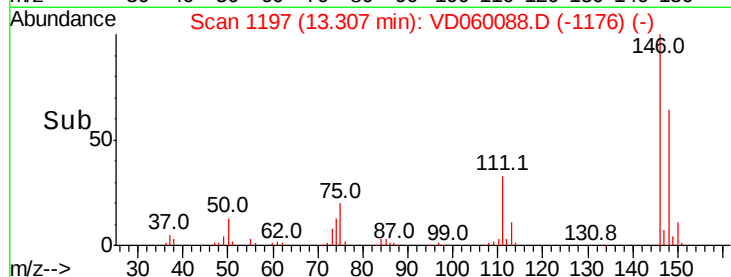
146 100

111 33.2 20.2 60.5

148 64.4 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



#88

1,4-Dichlorobenzene

Concen: 22.956 ug/l

RT: 13.39 min Scan# 1205

Delta R.T. -0.00 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

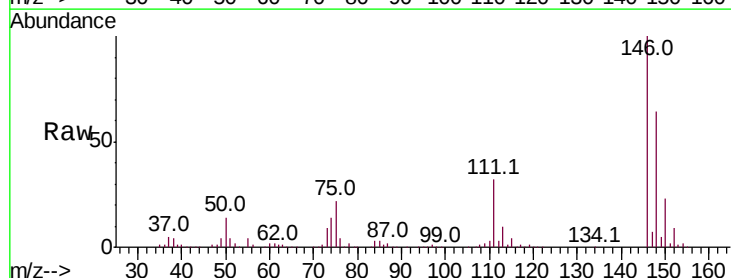
Tgt Ion:146 Resp: 707366

Ion Ratio Lower Upper

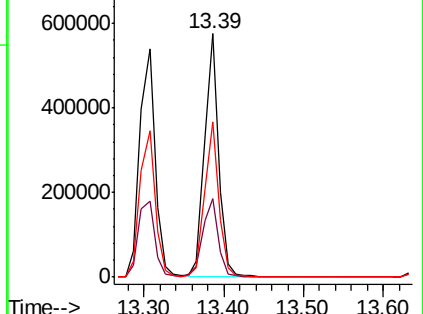
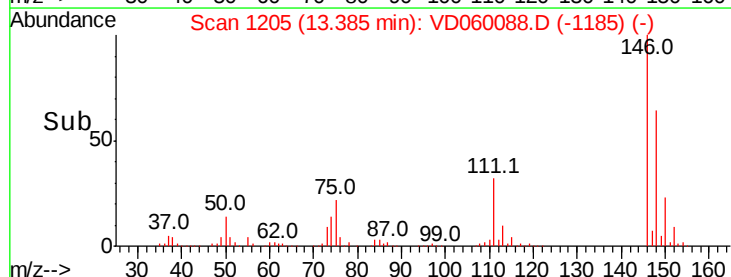
146 100

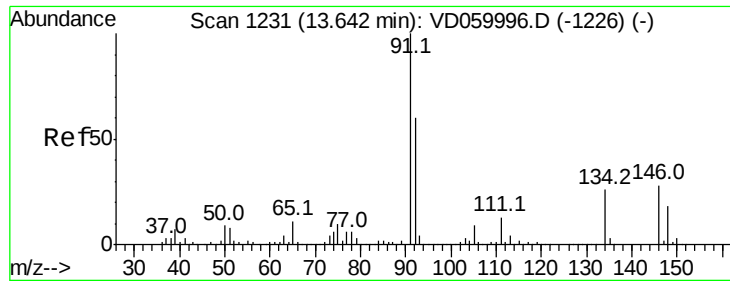
111 32.3 16.7 50.0

148 63.8 32.9 98.6



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

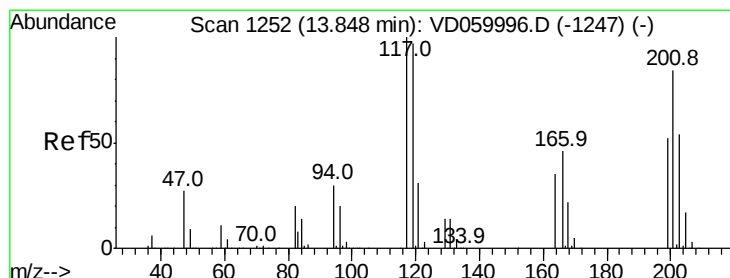
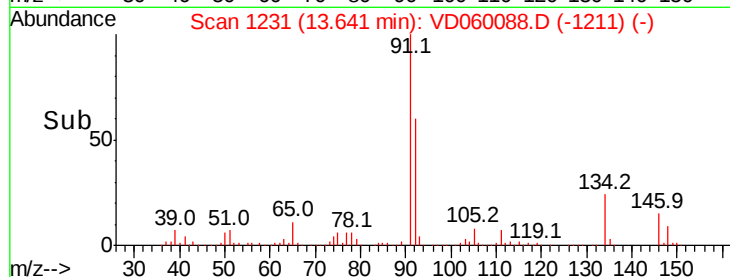
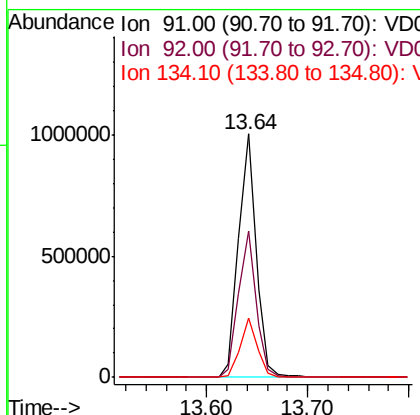
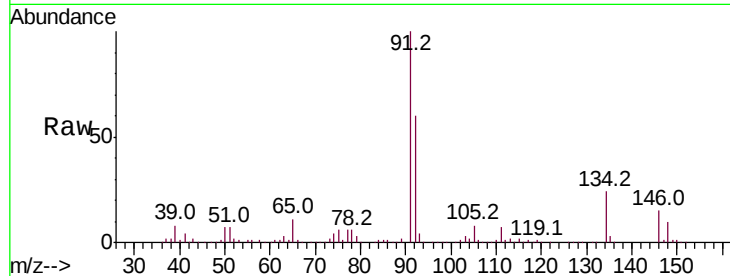




#89
n-Butylbenzene
Concen: 22.145 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

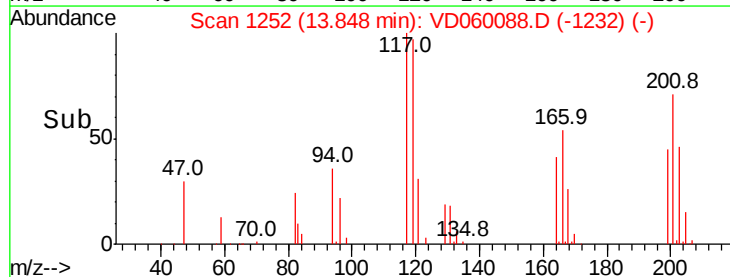
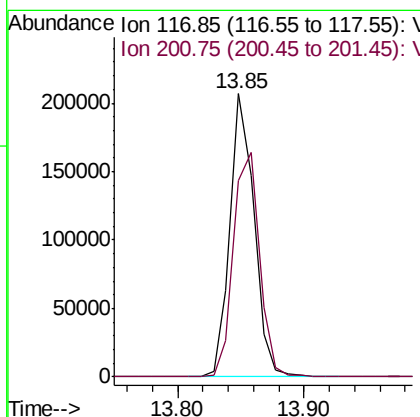
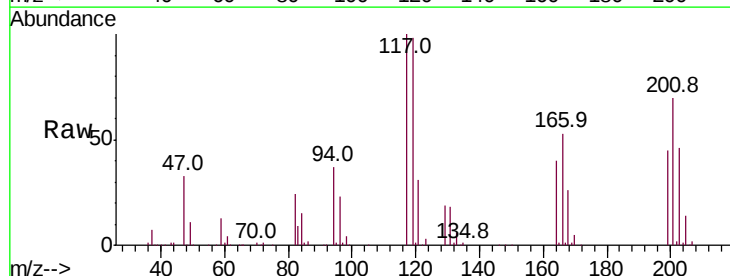
Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

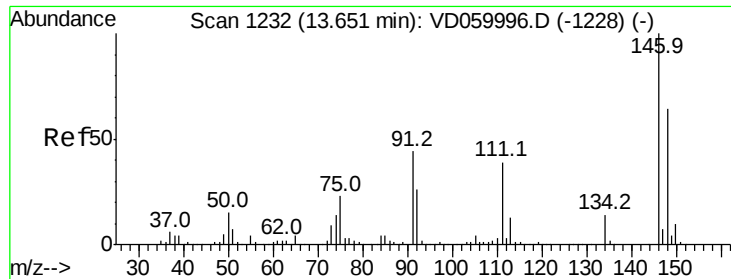
Tot Ion: 91 Resp: 1223556
Ion Ratio Lower Upper
91 100
92 60.3 29.8 89.3
134 24.3 13.2 39.6



#90
Hexachloroethane
Concen: 21.303 ug/l
RT: 13.85 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Tgt Ion: 117 Resp: 272807
Ion Ratio Lower Upper
117 100
201 69.6 42.1 126.4

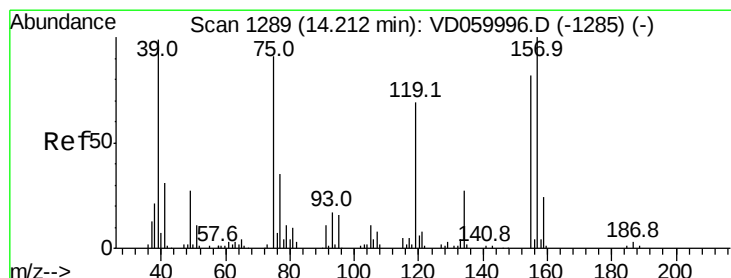
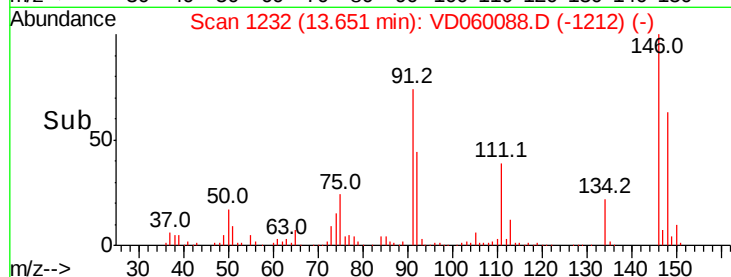
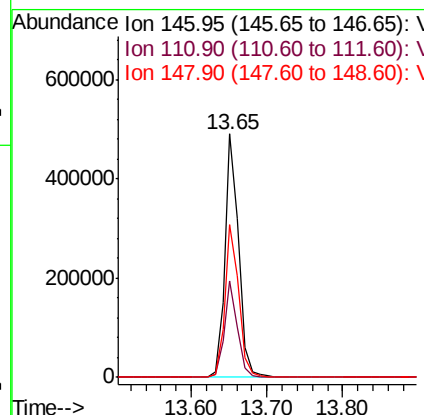
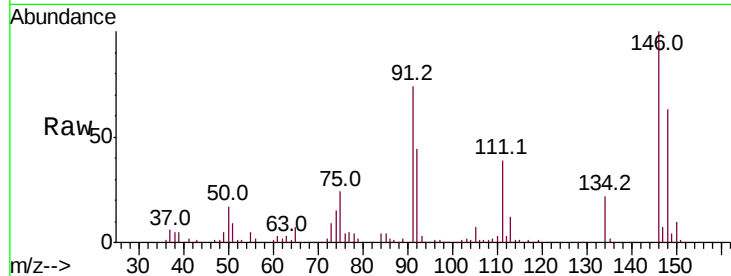




#91
 1,2-Dichlorobenzene
 Concen: 22.470 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD060088.D
 Acq: 25 Sep 2018 12:49

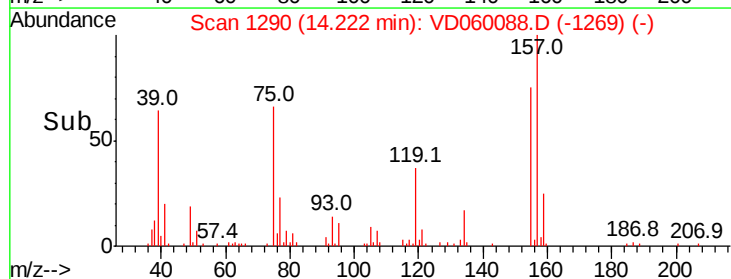
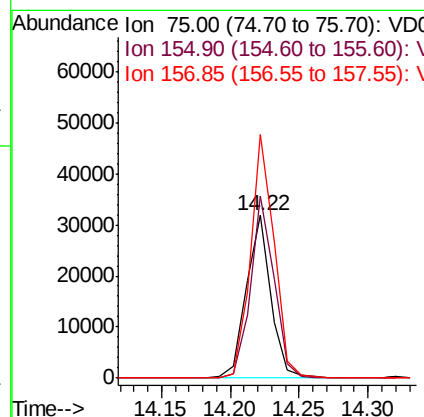
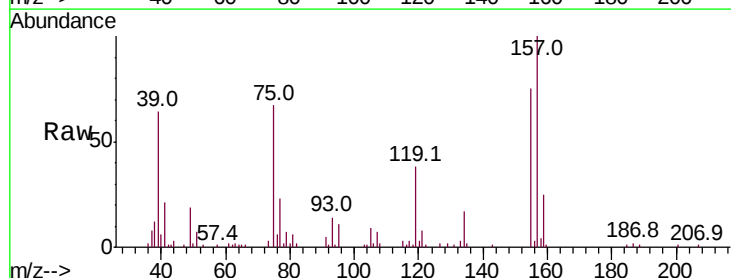
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBS01

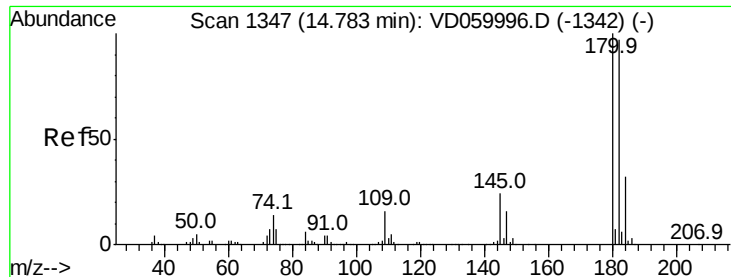
Tot Ion:146 Resp: 623632
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.6 58.7
 148 62.6 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.777 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.01 min
 Lab File: VD060088.D
 Acq: 25 Sep 2018 12:49

Tgt Ion: 75 Resp: 39384
 Ion Ratio Lower Upper
 75 100
 155 112.2 44.7 134.1
 157 149.9 54.7 164.1

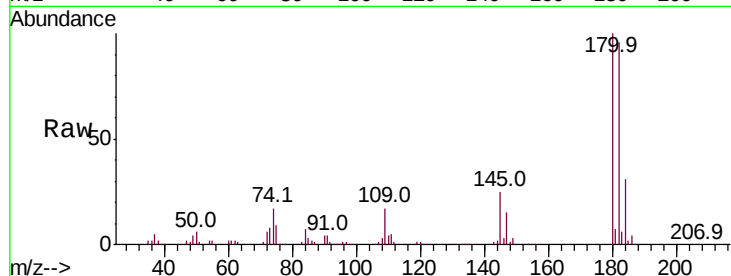




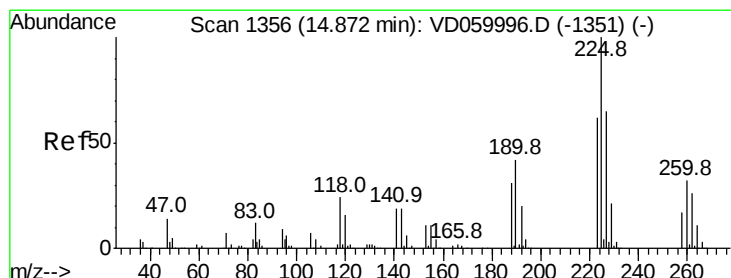
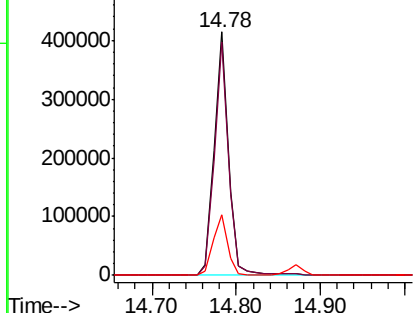
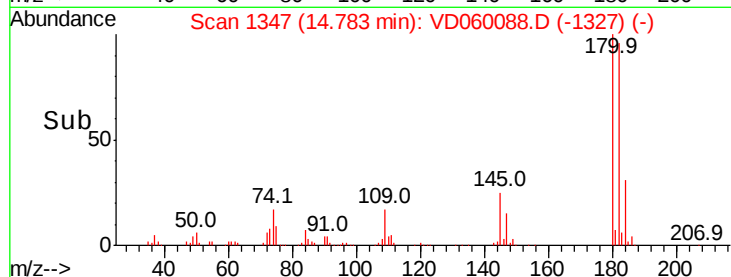
#93
 1,2,4-Trichlorobenzene
 Concen: 22.751 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: VD060088.D
 Acq: 25 Sep 2018 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.5	145.6
145	24.7	11.9	35.7

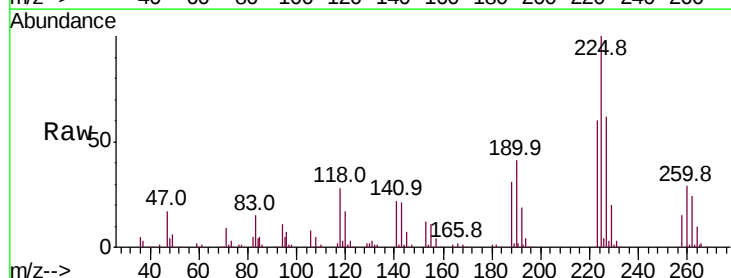


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

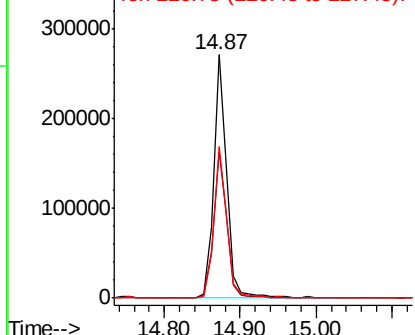
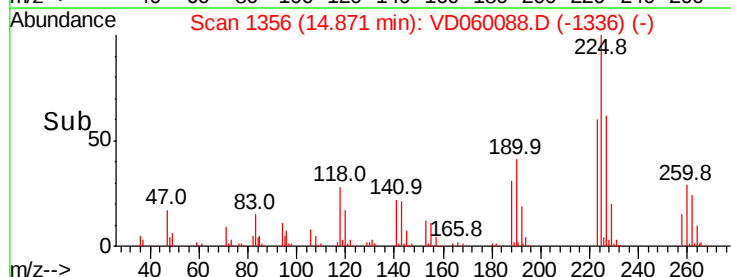


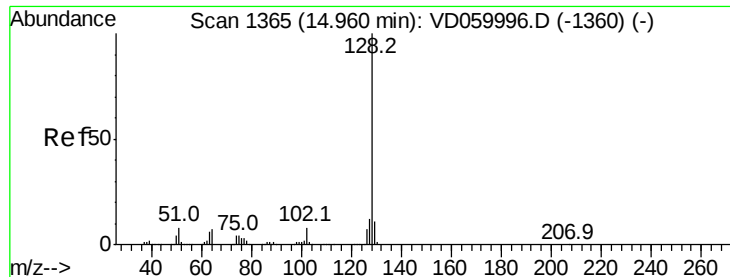
#94
 Hexachlorobutadiene
 Concen: 23.315 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VD060088.D
 Acq: 25 Sep 2018 12:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.1	31.2	93.6
227	62.3	32.3	96.8



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

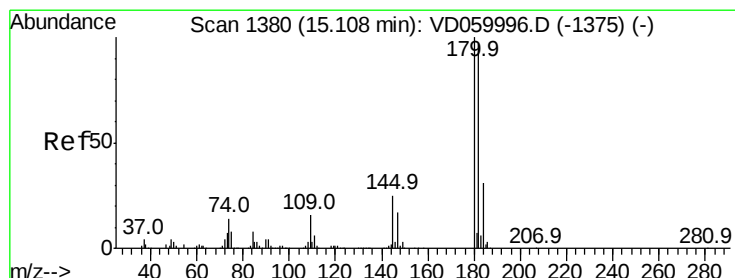
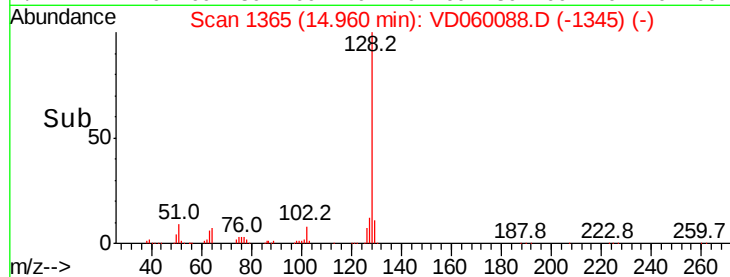
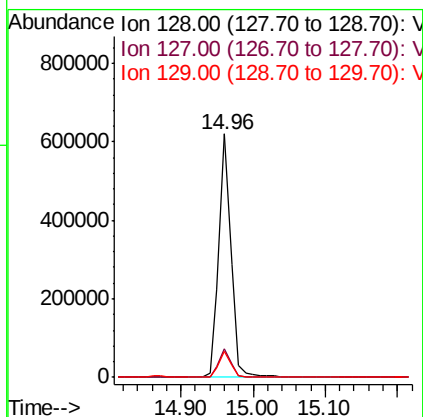
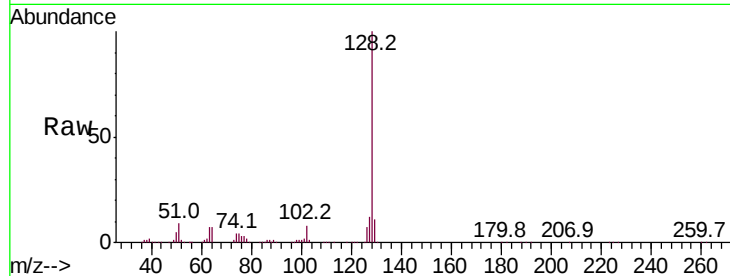




#95
Naphthalene
Concen: 21.580 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

Tot Ion:128 Resp: 721519
Ion Ratio Lower Upper
128 100
127 11.8 9.7 14.5
129 10.6 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 22.081 ug/l
RT: 15.11 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Tgt Ion:180 Resp: 421275
Ion Ratio Lower Upper
180 100
182 97.1 48.6 145.9
145 27.8 12.7 38.1

