

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080618\
 Data File : VD059695.D
 Acq On : 6 Aug 2018 16:01
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 07 05:11:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:08:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	210504	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.67	114	262025	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	214177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	118503	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.00	65	139305	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
35) Dibromofluoromethane	5.53	113	130953	55.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.28%	
50) Toluene-d8	8.69	98	274558	53.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.18%	
62) 4-Bromofluorobenzene	11.92	95	127749	54.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.06%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.33	85	151168	51.162	ug/l	97
3) Chloromethane	1.46	50	65500	49.748	ug/l	98
4) Vinyl Chloride	1.54	62	81981	53.328	ug/l	100
5) Bromomethane	1.78	94	30357	60.007	ug/l	98
6) Chloroethane	1.87	64	36736	58.799	ug/l	96
7) Trichlorofluoromethane	2.07	101	131047	52.304	ug/l	95
8) Diethyl Ether	2.33	74	24162	52.644	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.54	101	72858	51.479	ug/l	95
10) Methyl Iodide	2.67	142	86251	49.202	ug/l	98
11) Tert butyl alcohol	3.25	59	22555	228.910	ug/l	99
12) 1,1-Dichloroethene	2.53	96	54140	52.357	ug/l	95
13) Acrolein	2.46	56	22956	248.046	ug/l	96
14) Allyl chloride	2.90	41	119908	50.679	ug/l	97
15) Acrylonitrile	3.33	53	71524	261.712	ug/l	96
16) Acetone	2.60	43	136669	268.680	ug/l	100
17) Carbon Disulfide	2.73	76	201188	53.859	ug/l	97
18) Methyl Acetate	2.92	43	42717	47.464	ug/l #	91
19) Methyl tert-butyl Ether	3.38	73	212544	53.866	ug/l	95
20) Methylene Chloride	3.05	84	76610	57.183	ug/l	94
21) trans-1,2-Dichloroethene	3.36	96	72660	50.544	ug/l	98
22) Diisopropyl ether	4.05	45	277399	49.845	ug/l	99
23) Vinyl Acetate	4.00	43	860475	243.879	ug/l	97
24) 1,1-Dichloroethane	3.95	63	182286	49.488	ug/l	99
25) 2-Butanone	4.82	43	185322	277.387	ug/l	99
26) 2,2-Dichloropropane	4.78	77	199079	50.608	ug/l	97
27) cis-1,2-Dichloroethene	4.78	96	96784	49.248	ug/l	89
28) Bromochloromethane	5.12	49	73313	53.909	ug/l #	87
29) Tetrahydrofuran	5.16	42	66338	256.386	ug/l	97
30) Chloroform	5.30	83	225959	50.326	ug/l	99
31) Cyclohexane	5.57	56	120489	49.855	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	214693	49.161	ug/l	99
36) 1,1-Dichloropropene	5.72	75	148876	51.107	ug/l	96
37) Ethyl Acetate	4.91	43	72298	51.116	ug/l	96
38) Carbon Tetrachloride	5.70	117	199236	51.108	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	129821	52.732	ug/l	99
40) Benzene	6.00	78	258291	45.718	ug/l	100
41) Methacrylonitrile	5.10	41	34448	52.091	ug/l	95
42) 1,2-Dichloroethane	6.11	62	174407	49.935	ug/l	97
43) Isopropyl Acetate	7.60	43	93168	50.397	ug/l	98
44) Trichloroethene	6.96	130	107030	51.854	ug/l	97
45) 1,2-Dichloropropane	7.33	63	74205	49.742	ug/l	96
46) Dibromomethane	7.45	93	68055	52.643	ug/l	99
47) Bromodichloromethane	7.72	83	168789	51.262	ug/l	99
48) Methyl methacrylate	7.49	41	66927	54.849	ug/l	99
49) 1,4-Dioxane	7.49	88	11200	1050.135	ug/l #	90
51) 4-Methyl-2-Pentanone	8.59	43	369848	274.325	ug/l	100
52) Toluene	8.78	92	177594	49.279	ug/l	100
53) t-1,3-Dichloropropene	9.18	75	140836	50.556	ug/l	95
54) cis-1,3-Dichloropropene	8.35	75	142775	49.760	ug/l	96
55) 1,1,2-Trichloroethane	9.44	97	66077	47.736	ug/l	95
56) Ethyl methacrylate	9.30	69	73754	48.291	ug/l	94
57) 1,3-Dichloropropane	9.65	76	107286	49.948	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.17	63	185463	254.890	ug/l	99
59) 2-Hexanone	9.78	43	285250	281.752	ug/l	97
60) Dibromochloromethane	9.94	129	113450	51.575	ug/l	95
61) 1,2-Dibromoethane	10.08	107	79568	49.991	ug/l	92
64) Tetrachloroethene	9.50	164	98263	48.456	ug/l	98
65) Chlorobenzene	10.71	112	212601	47.105	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.84	131	97987	49.522	ug/l	97
67) Ethyl Benzene	10.85	91	394345	48.515	ug/l	99
68) m/p-Xylenes	11.01	106	244677	94.098	ug/l	97
69) o-Xylene	11.39	106	119276	47.185	ug/l	99
70) Styrene	11.42	104	198883	46.872	ug/l	97
71) Bromoform	11.60	173	78282	52.513	ug/l	96
73) Isopropylbenzene	11.76	105	367540	46.150	ug/l	98
74) N-amyl acetate	11.64	43	126587	49.684	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.07	83	76565	47.910	ug/l	98
76) 1,2,3-Trichloropropane	12.11	75	90607	49.461	ug/l	98
77) Bromobenzene	12.03	156	109424	47.140	ug/l	97
78) n-propylbenzene	12.15	91	472889	47.915	ug/l	100
79) 2-Chlorotoluene	12.21	91	282146	47.337	ug/l	99
80) 1,3,5-Trimethylbenzene	12.32	105	302890	45.658	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.83	75	23804	53.244	ug/l	94
82) 4-Chlorotoluene	12.32	91	303946	43.561	ug/l	95
83) tert-Butylbenzene	12.57	119	346228	46.629	ug/l	96
84) 1,2,4-Trimethylbenzene	12.62	105	329202	46.826	ug/l	97
85) sec-Butylbenzene	12.75	105	394644	47.860	ug/l	99
86) p-Isopropyltoluene	12.88	119	329821	46.903	ug/l	100
87) 1,3-Dichlorobenzene	12.84	146	192553	48.063	ug/l	96
88) 1,4-Dichlorobenzene	12.92	146	186797	46.736	ug/l	93
89) n-Butylbenzene	13.19	91	345458	48.451	ug/l	99
90) Hexachloroethane	13.40	117	91944	50.448	ug/l	94
91) 1,2-Dichlorobenzene	13.18	146	154043	45.656	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	13.76	75	17951	53.780	ug/l	64

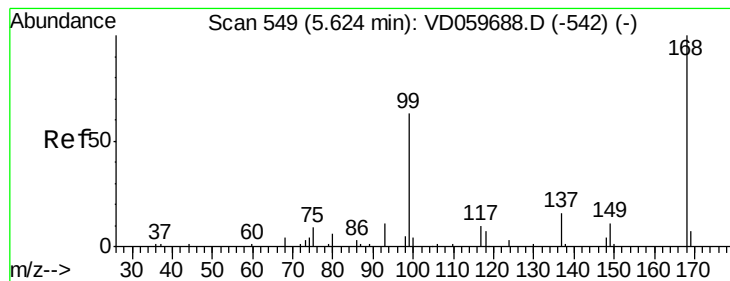
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	142579	46.976	ug/l	97
94) Hexachlorobutadiene	14.43	225	116138	49.340	ug/l	99
95) Naphthalene	14.51	128	206605	45.964	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	126764	47.747	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 549

Delta R.T. 0.00 min

Lab File: VD059695.D

Acq: 6 Aug 2018 16:01

Instrument :

MSVOA_D

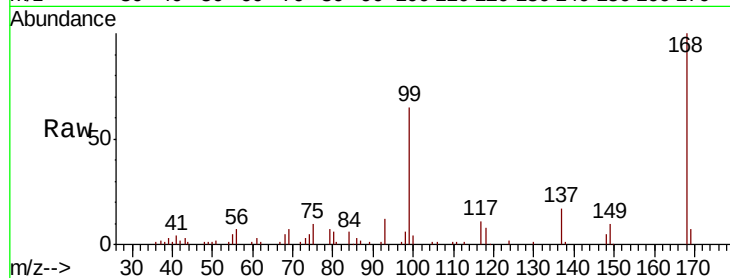
ClientSampleId :

Tot Ion:168 Resp: 210504

Ion Ratio Lower Upper

168 100

99 64.6 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.63

80000

60000

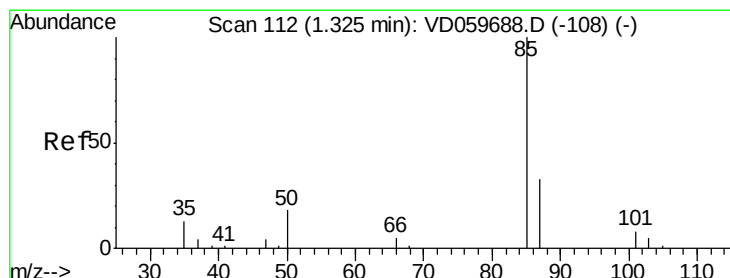
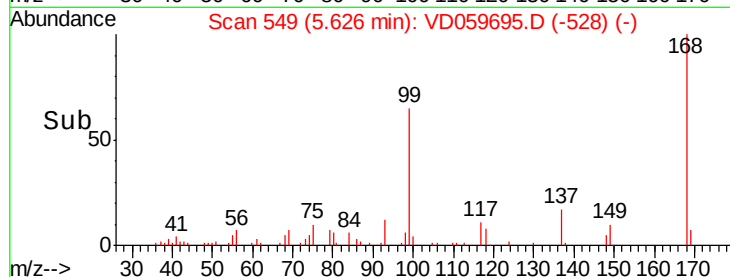
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 51.162 ug/l

RT: 1.33 min Scan# 112

Delta R.T. 0.00 min

Lab File: VD059695.D

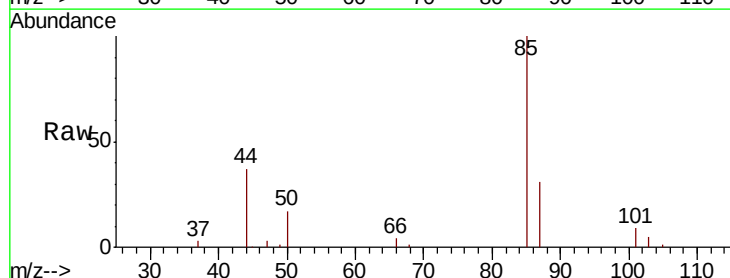
Acq: 6 Aug 2018 16:01

Tgt Ion: 85 Resp: 151168

Ion Ratio Lower Upper

85 100

87 31.0 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.33

80000

60000

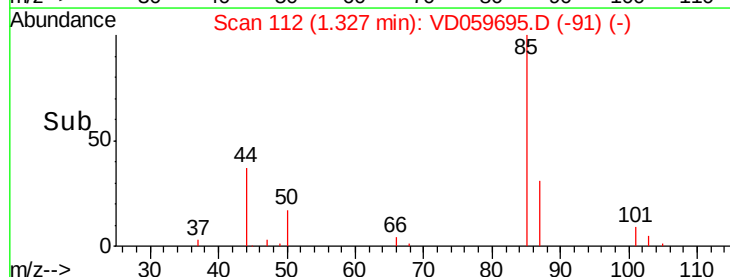
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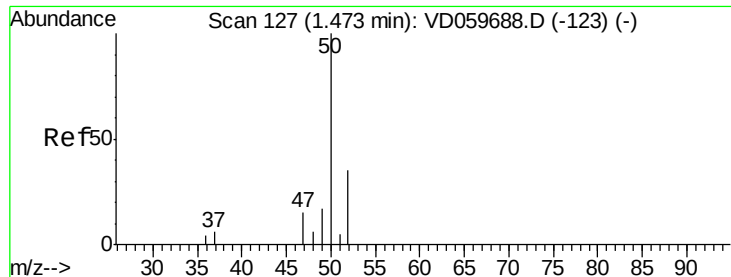
20000

0

1.20 1.30 1.40 1.50

Time-->





#3

Chloromethane

Concen: 49.748 ug/l

RT: 1.46 min Scan# 126

Delta R.T. -0.01 min

Lab File: VD059695.D

Acq: 6 Aug 2018 16:01

Instrument :

MSVOA_D

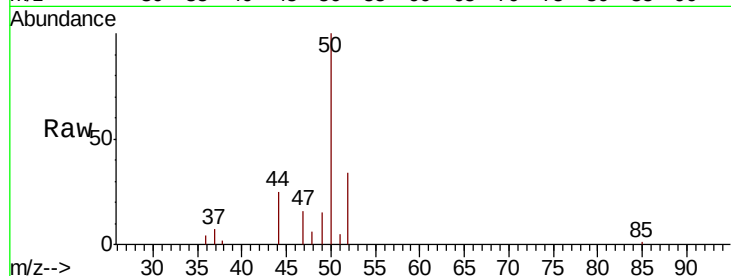
ClientSampleId :

Tot Ion: 50 Resp: 65500

Ion Ratio Lower Upper

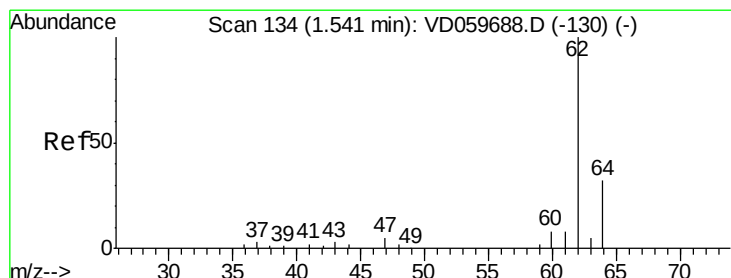
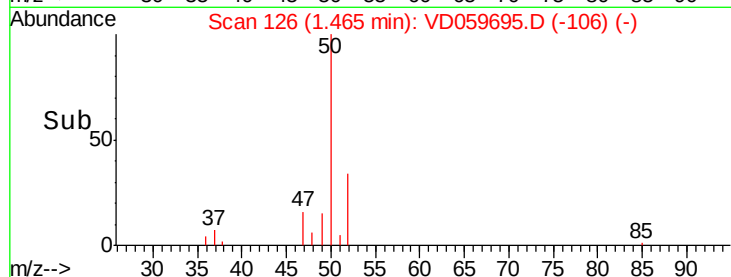
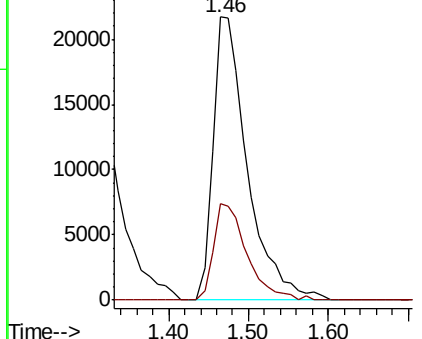
50 100

52 34.1 28.2 42.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 53.328 ug/l

RT: 1.54 min Scan# 134

Delta R.T. 0.00 min

Lab File: VD059695.D

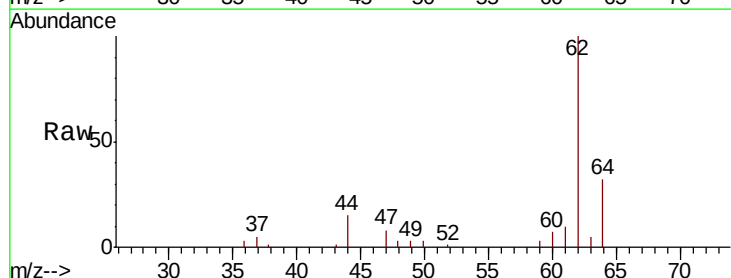
Acq: 6 Aug 2018 16:01

Tgt Ion: 62 Resp: 81981

Ion Ratio Lower Upper

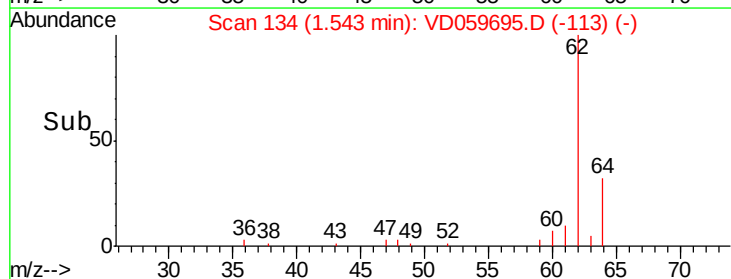
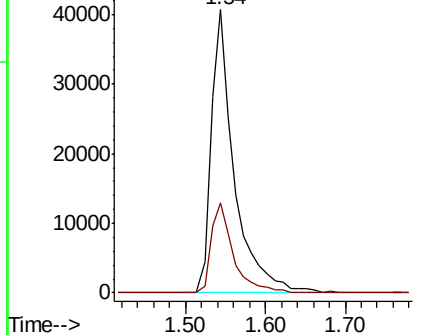
62 100

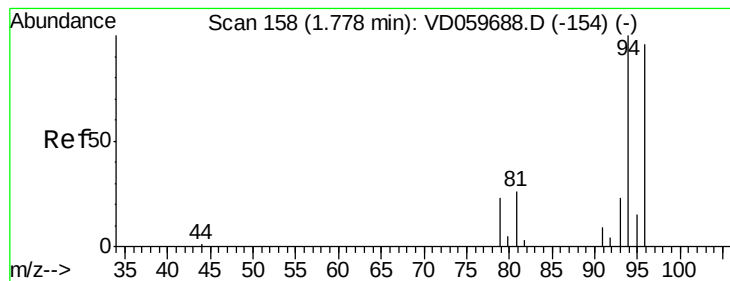
64 31.8 25.4 38.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 60.007 ug/l

RT: 1.78 min Scan# 158

Delta R.T. 0.00 min

Lab File: VD059695.D

Acq: 6 Aug 2018 16:01

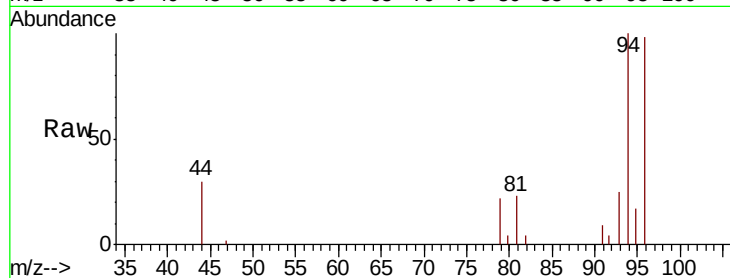
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 94 Resp: 30357

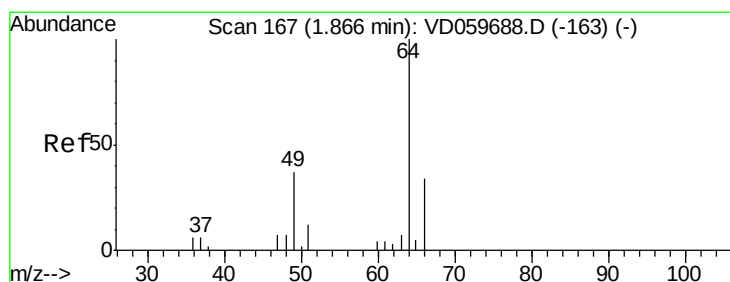
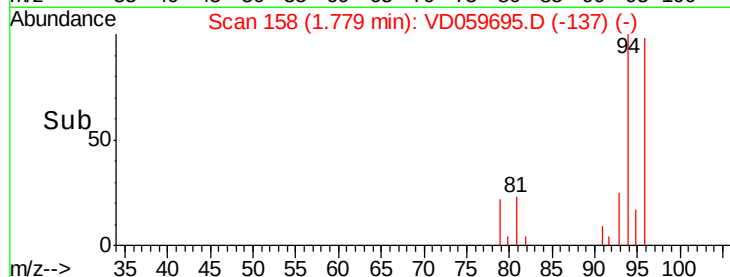
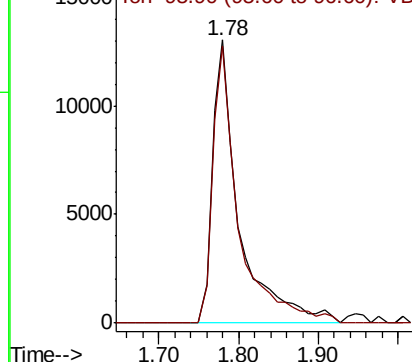
Ion Ratio Lower Upper

94 100

96 97.9 76.6 114.8



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 58.799 ug/l

RT: 1.87 min Scan# 167

Delta R.T. 0.00 min

Lab File: VD059695.D

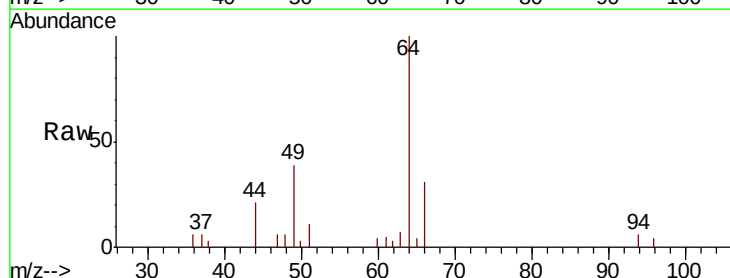
Acq: 6 Aug 2018 16:01

Tgt Ion: 64 Resp: 36736

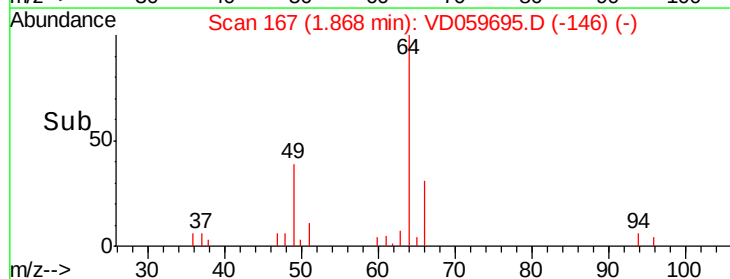
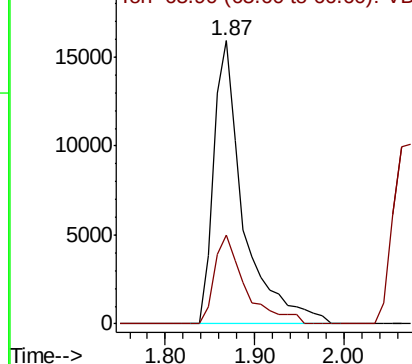
Ion Ratio Lower Upper

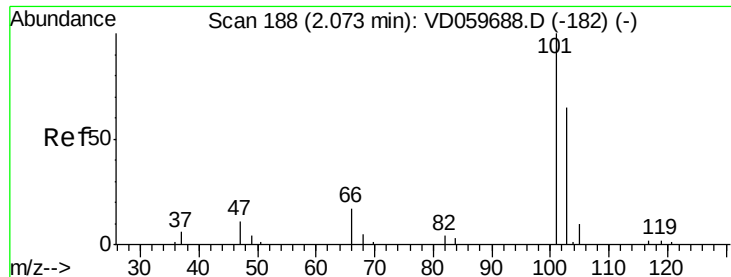
64 100

66 31.5 27.2 40.8



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



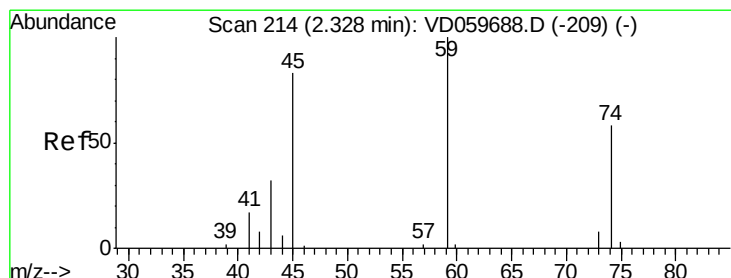
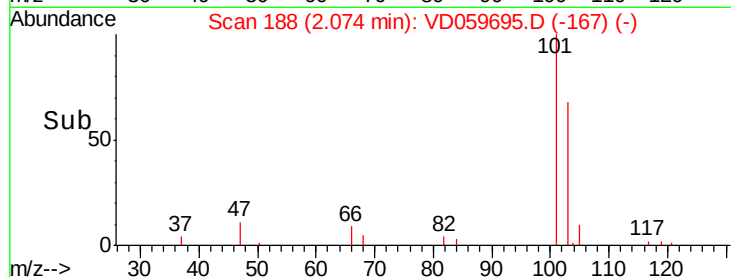
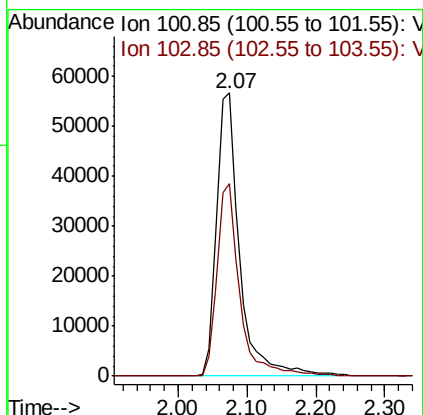
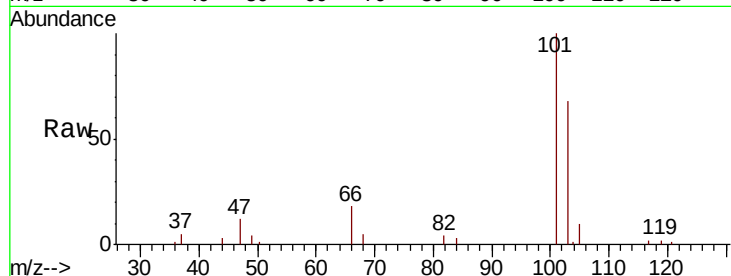


#7

Trichlorofluoromethane
 Concen: 52.304 ug/l
 RT: 2.07 min Scan# 188
 Delta R.T. 0.00 min
 Lab File: VD059695.D
 Acq: 6 Aug 2018 16:01

Instrument :
 MSVOA_D
 ClientSampleId :

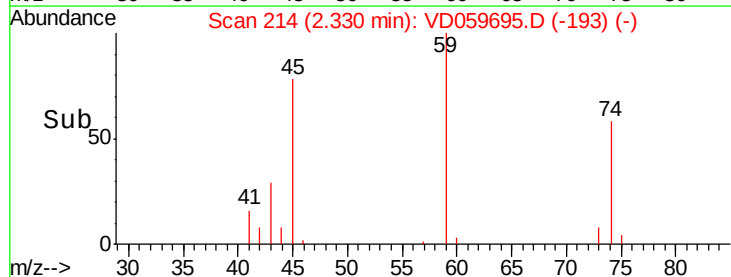
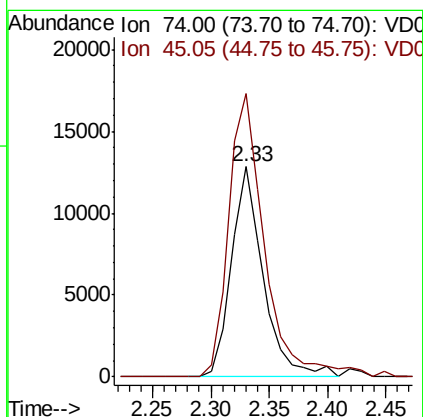
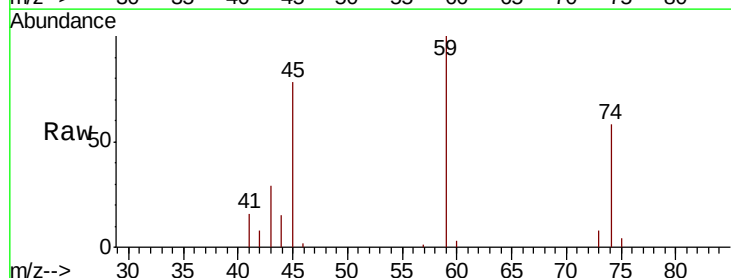
Tot Ion:101 Resp: 131047
 Ion Ratio Lower Upper
 101 100
 103 68.2 51.7 77.5

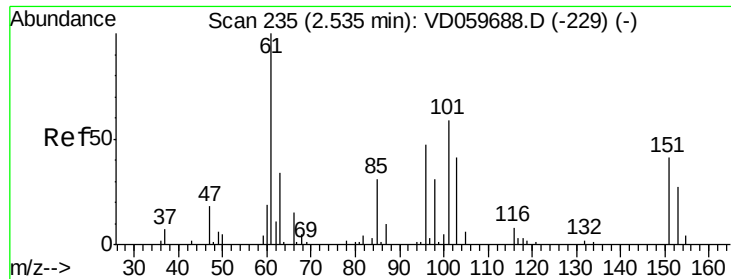


#8

Diethyl Ether
 Concen: 52.644 ug/l
 RT: 2.33 min Scan# 214
 Delta R.T. 0.00 min
 Lab File: VD059695.D
 Acq: 6 Aug 2018 16:01

Tgt Ion: 74 Resp: 24162
 Ion Ratio Lower Upper
 74 100
 45 134.9 71.4 214.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.479 ug/l

RT: 2.54 min Scan# 235

Delta R.T. 0.00 min

Lab File: VD059695.D

Acq: 6 Aug 2018 16:01

Instrument :

MSVOA_D

ClientSampleId :

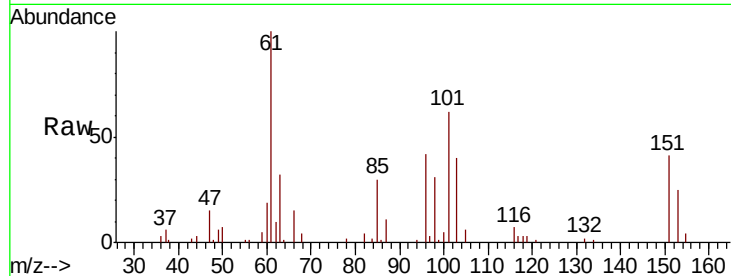
Tot Ion:101 Resp: 72858

Ion Ratio Lower Upper

101 100

85 47.9 42.2 63.4

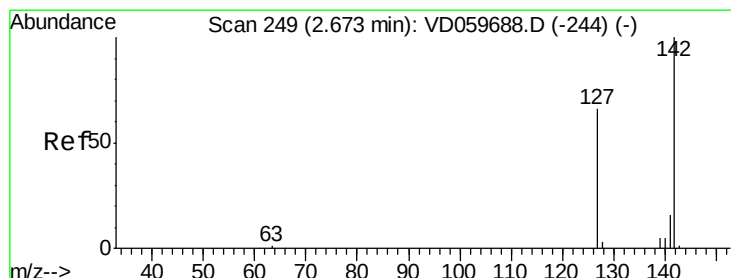
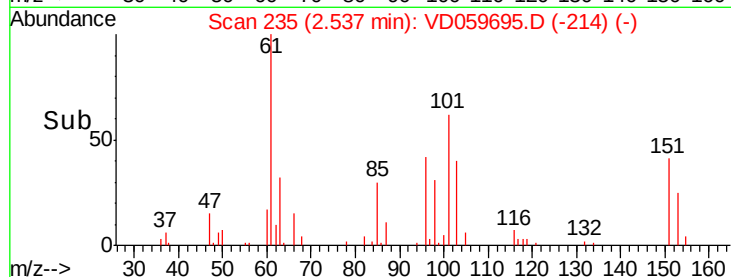
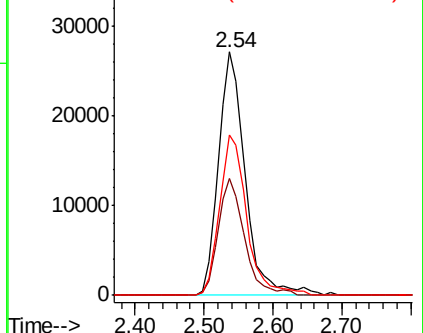
151 65.9 55.2 82.8



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: 49.202 ug/l

RT: 2.67 min Scan# 249

Delta R.T. 0.00 min

Lab File: VD059695.D

Acq: 6 Aug 2018 16:01

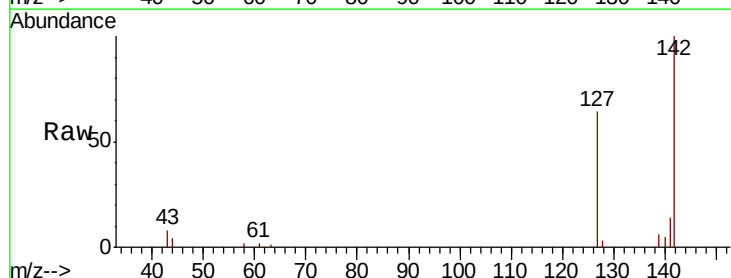
Tgt Ion:142 Resp: 86251

Ion Ratio Lower Upper

142 100

127 64.3 52.6 79.0

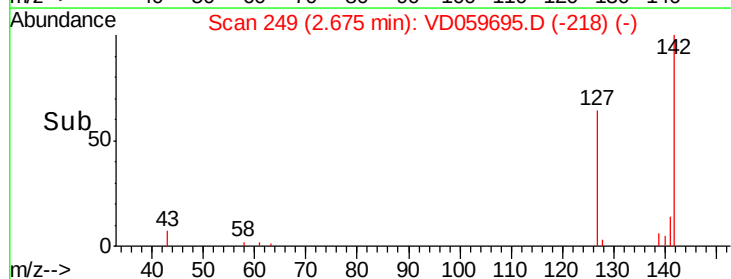
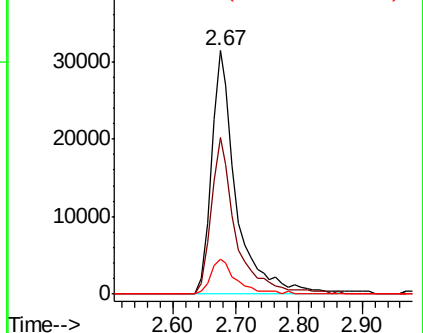
141 14.4 12.5 18.7

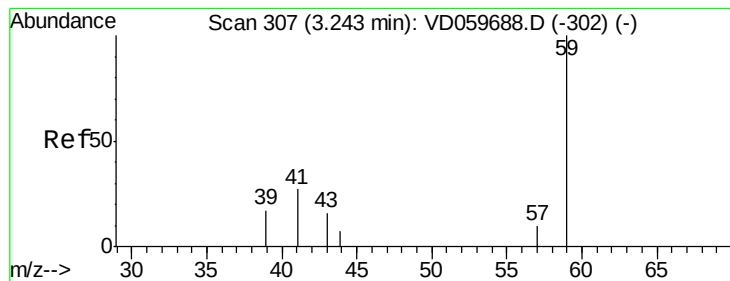


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



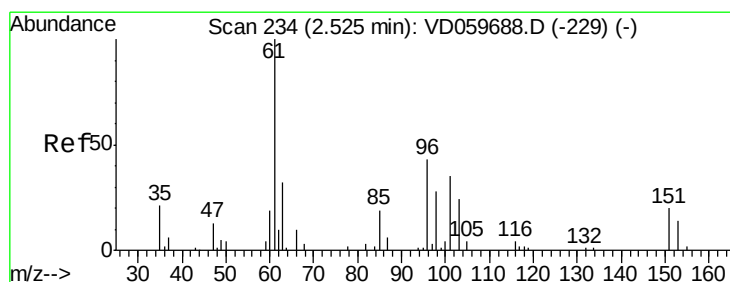
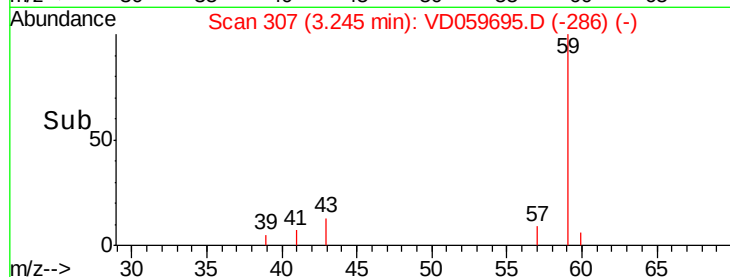
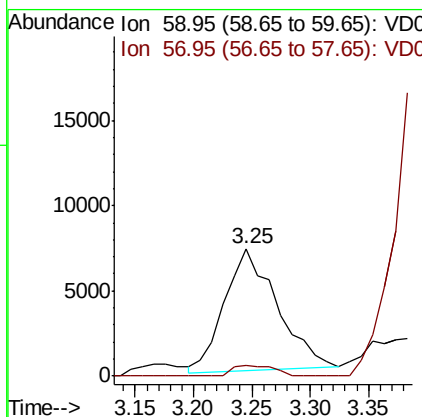
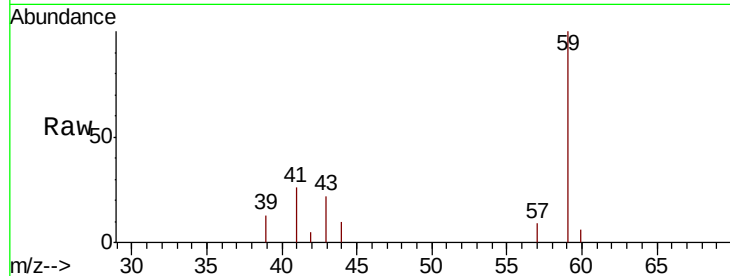


#11

Tert butyl alcohol
Concen: 228.910 ug/l
RT: 3.25 min Scan# 307
Delta R.T. 0.00 min
Lab File: VD059695.D
Acq: 6 Aug 2018 16:01

Instrument :
MSVOA_D
ClientSampled :

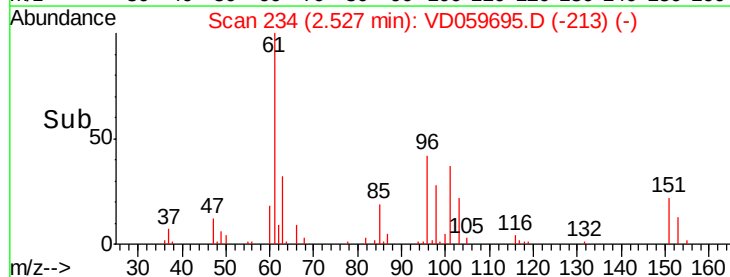
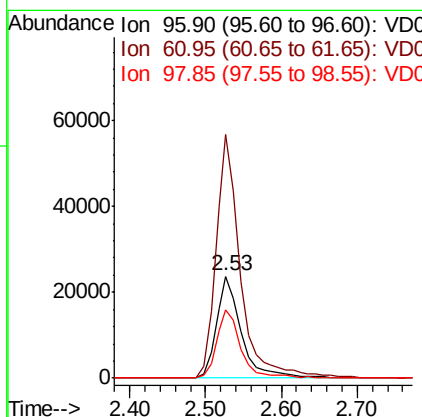
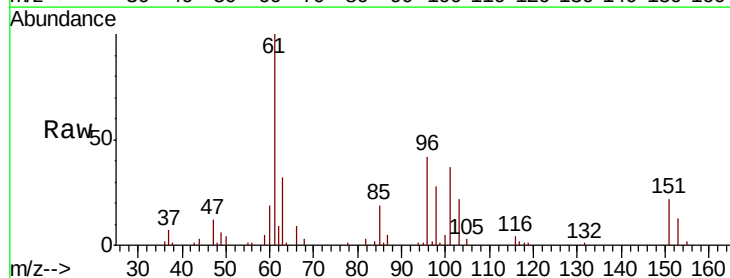
Tot Ion: 59 Resp: 22555
Ion Ratio Lower Upper
59 100
57 8.8 6.8 10.2

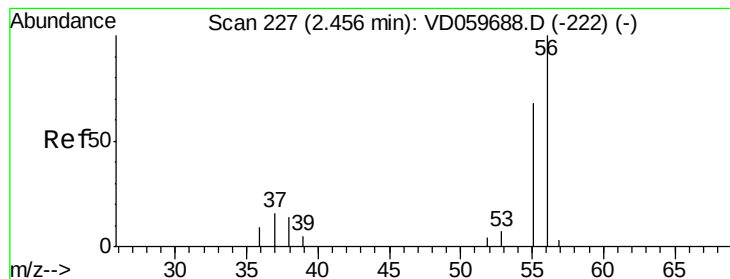


#12

1,1-Dichloroethene
Concen: 52.357 ug/l
RT: 2.53 min Scan# 234
Delta R.T. 0.00 min
Lab File: VD059695.D
Acq: 6 Aug 2018 16:01

Tgt Ion: 96 Resp: 54140
Ion Ratio Lower Upper
96 100
61 239.7 184.1 276.1
98 67.5 52.4 78.6





#13

Acrolein

Concen: 248.046 ug/l

RT: 2.46 min Scan# 227

Delta R.T. 0.00 min

Lab File: VD059695.D

Acq: 6 Aug 2018 16:01

Instrument :

MSVOA_D

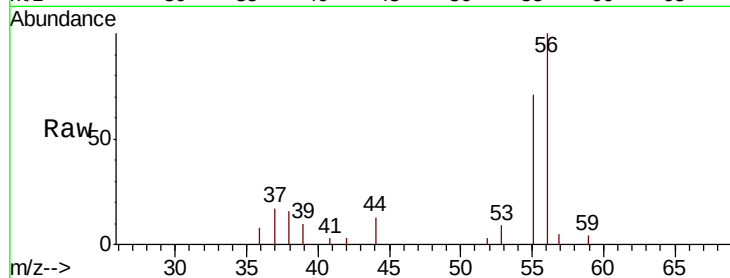
ClientSampleId :

Tot Ion: 56 Resp: 22956

Ion Ratio Lower Upper

56 100

55 71.3 54.4 81.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.46

10000

8000

6000

4000

2000

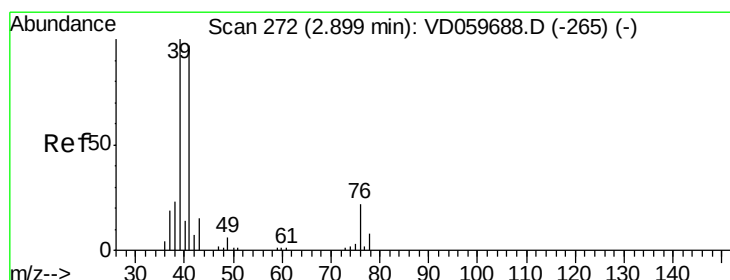
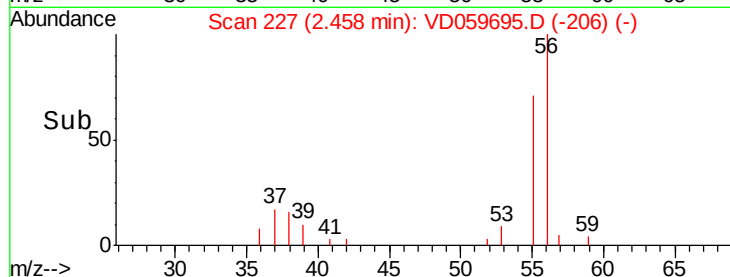
0

Time-->

2.40

2.50

2.60



#14

Allyl chloride

Concen: 50.679 ug/l

RT: 2.90 min Scan# 272

Delta R.T. 0.00 min

Lab File: VD059695.D

Acq: 6 Aug 2018 16:01

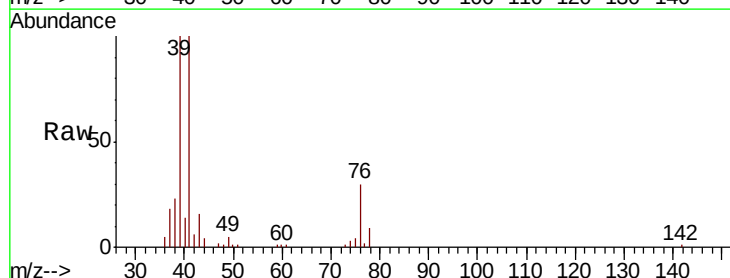
Tgt Ion: 41 Resp: 119908

Ion Ratio Lower Upper

41 100

39 100.1 82.5 123.7

76 30.3 22.1 33.1



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

100000

80000

60000

40000

20000

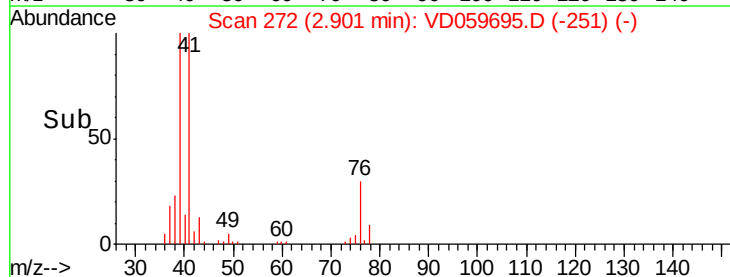
0

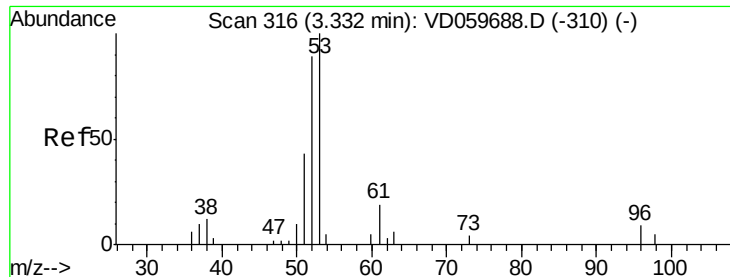
Time-->

2.80

2.90

3.00





#15

Acrylonitrile

Concen: 261.712 ug/l

RT: 3.33 min Scan# 316

Delta R.T. 0.00 min

Lab File: VD059695.D

Acq: 6 Aug 2018 16:01

Instrument :

MSVOA_D

ClientSampleId :

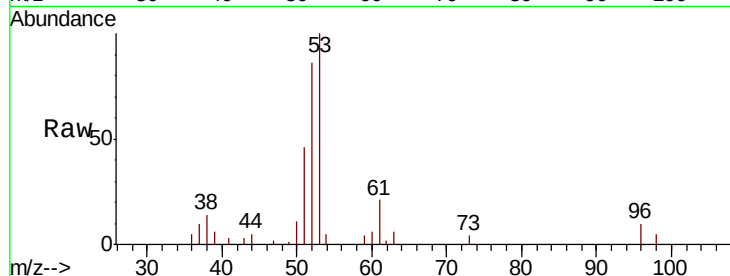
Tot Ion: 53 Resp: 71524

Ion Ratio Lower Upper

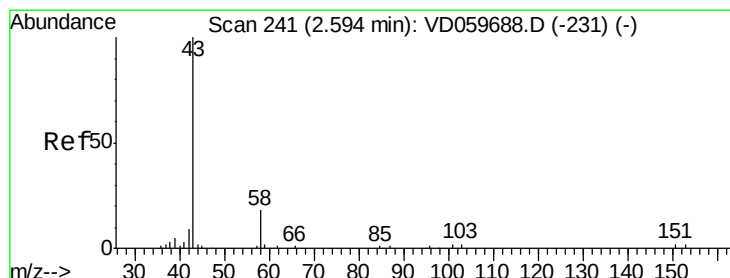
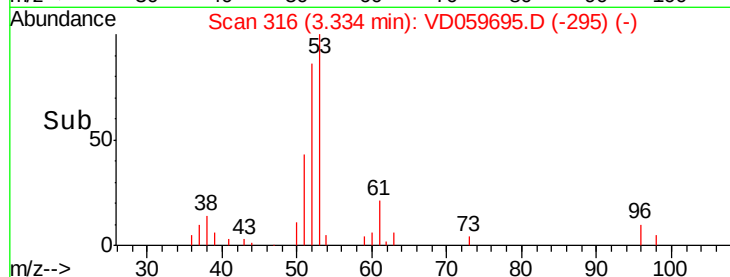
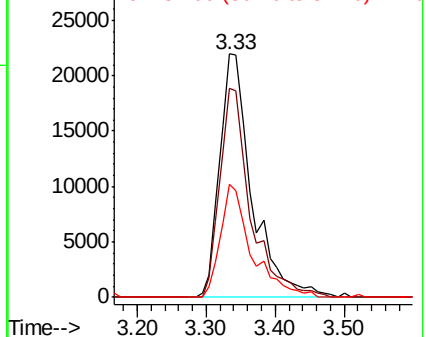
53 100

52 85.9 71.4 107.0

51 46.5 34.2 51.4



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



#16

Acetone

Concen: 268.680 ug/l

RT: 2.60 min Scan# 241

Delta R.T. 0.00 min

Lab File: VD059695.D

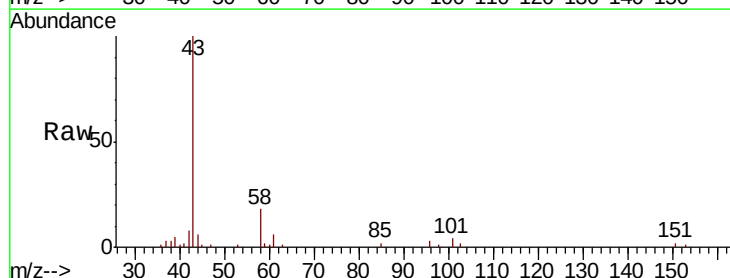
Acq: 6 Aug 2018 16:01

Tgt Ion: 43 Resp: 136669

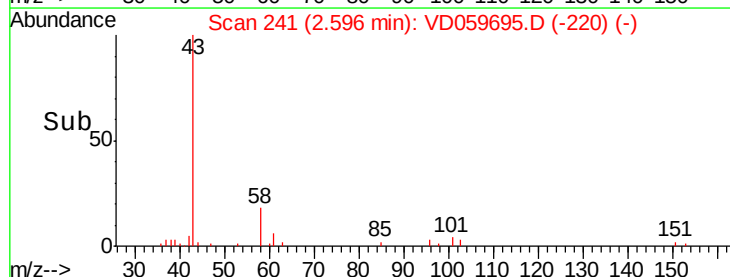
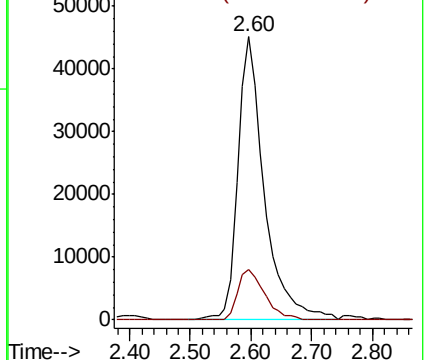
Ion Ratio Lower Upper

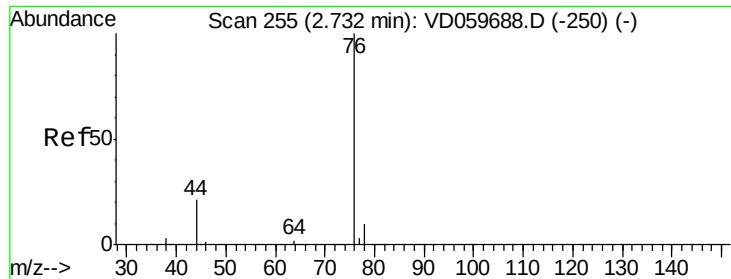
43 100

58 17.9 14.2 21.2



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

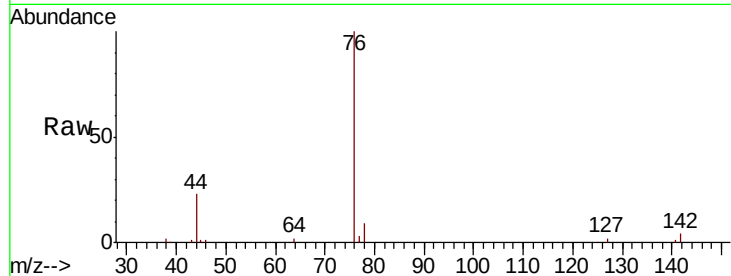




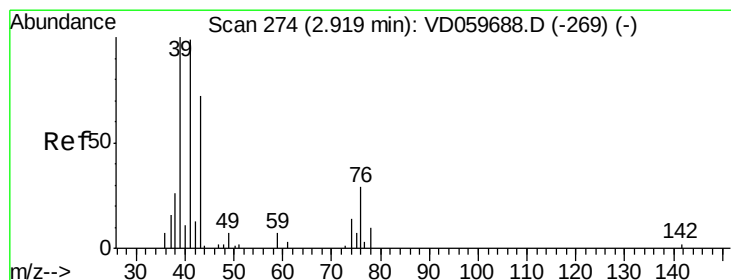
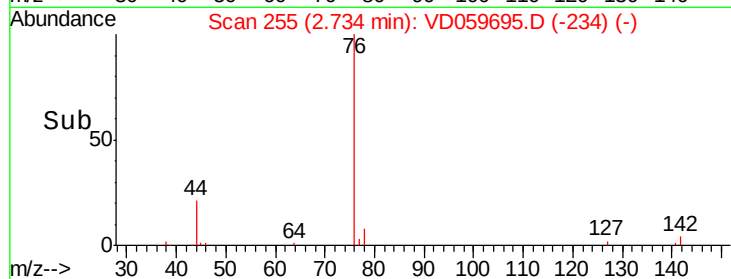
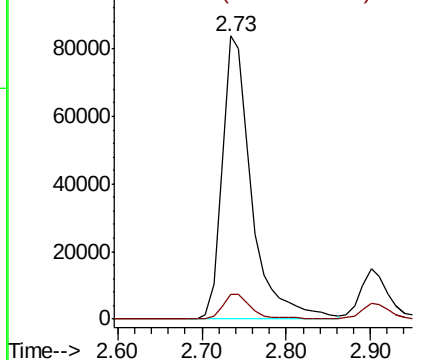
#17
Carbon Disulfide
Concen: 53.859 ug/l
RT: 2.73 min Scan# 255
Delta R.T. 0.00 min
Lab File: VD059695.D
Acq: 6 Aug 2018 16:01

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 201188
Ion Ratio Lower Upper
76 100
78 8.7 7.7 11.5

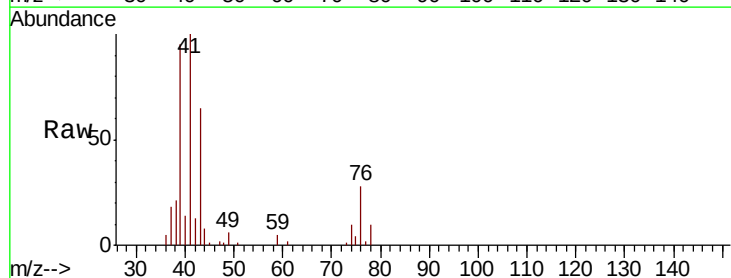


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

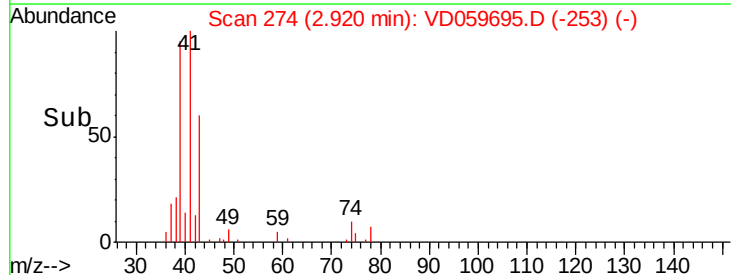
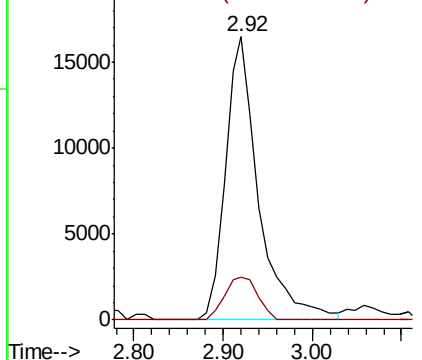


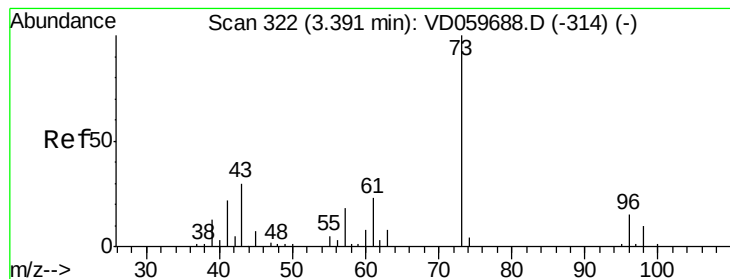
#18
Methyl Acetate
Concen: 47.464 ug/l
RT: 2.92 min Scan# 274
Delta R.T. 0.00 min
Lab File: VD059695.D
Acq: 6 Aug 2018 16:01

Tgt Ion: 43 Resp: 42717
Ion Ratio Lower Upper
43 100
74 15.3 15.7 23.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC



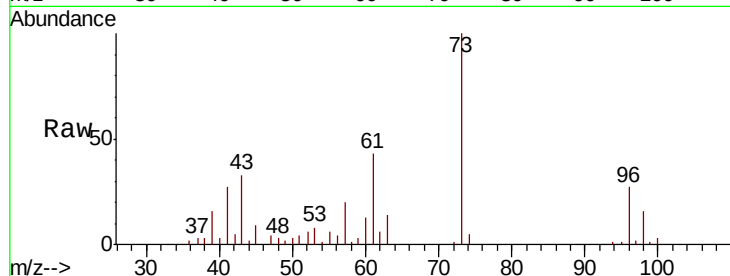


#19

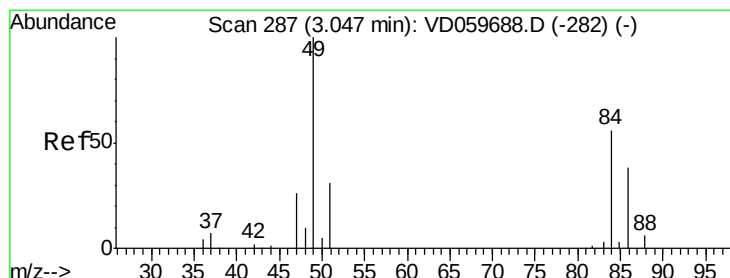
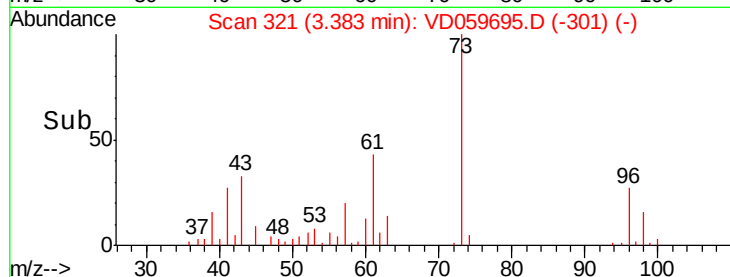
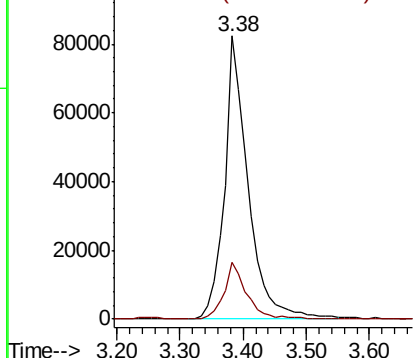
Methyl tert-butyl Ether
 Concen: 53.866 ug/l
 RT: 3.38 min Scan# 321
 Delta R.T. -0.01 min
 Lab File: VD059695.D
 Acq: 6 Aug 2018 16:01

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 73 Resp: 212544
 Ion Ratio Lower Upper
 73 100
 57 20.2 14.3 21.5



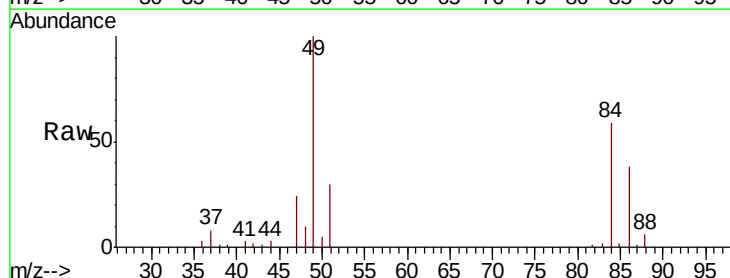
Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.05 (56.75 to 57.75): VDC



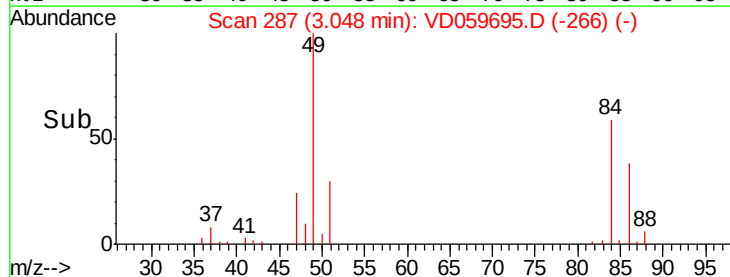
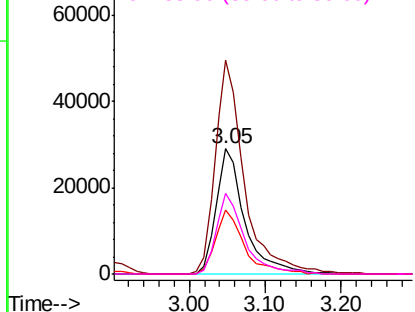
#20

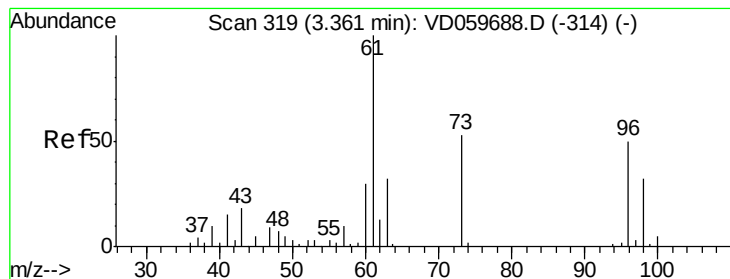
Methylene Chloride
 Concen: 57.183 ug/l
 RT: 3.05 min Scan# 287
 Delta R.T. 0.00 min
 Lab File: VD059695.D
 Acq: 6 Aug 2018 16:01

Tgt Ion: 84 Resp: 76610
 Ion Ratio Lower Upper
 84 100
 49 170.9 143.4 215.2
 51 51.1 44.2 66.4
 86 65.0 55.0 82.6



Abundance Ion 83.95 (83.65 to 84.65): VDC
 Ion 48.90 (48.60 to 49.60): VDC
 Ion 50.90 (50.60 to 51.60): VDC
 Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 50.544 ug/l

RT: 3.36 min Scan# 319

Delta R.T. 0.00 min

Lab File: VD059695.D

Acq: 6 Aug 2018 16:01

Instrument :

MSVOA_D

ClientSampled :

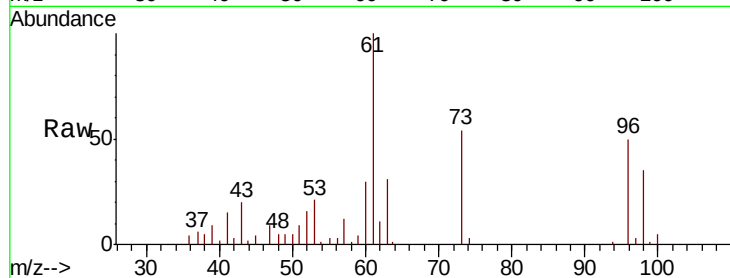
Tot Ion: 96 Resp: 72660

Ion Ratio Lower Upper

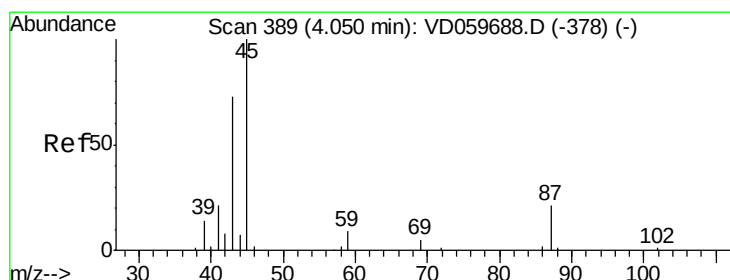
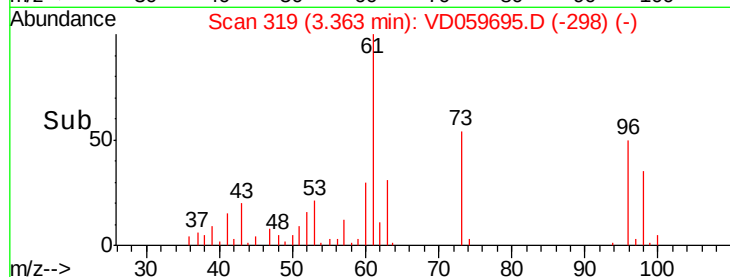
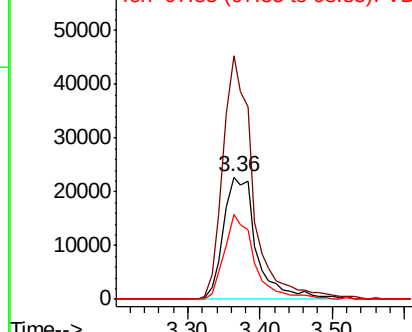
96 100

61 199.4 160.6 241.0

98 69.2 50.9 76.3



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: 49.845 ug/l

RT: 4.05 min Scan# 389

Delta R.T. 0.00 min

Lab File: VD059695.D

Acq: 6 Aug 2018 16:01

Tgt Ion: 45 Resp: 277399

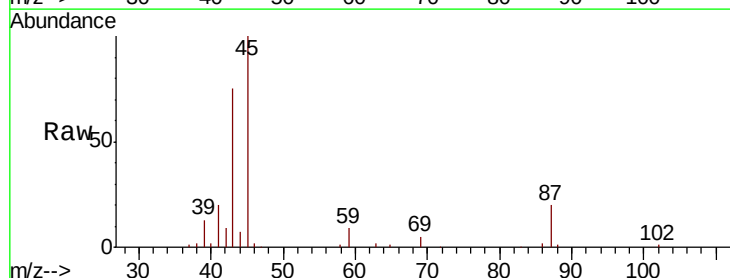
Ion Ratio Lower Upper

45 100

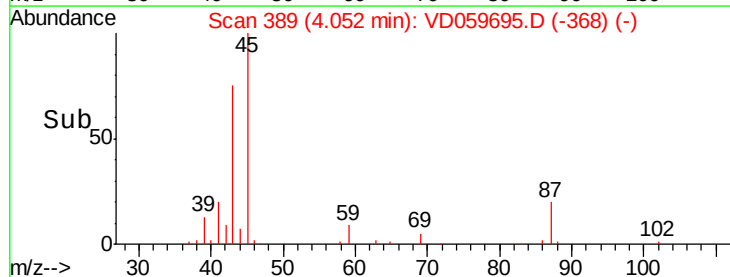
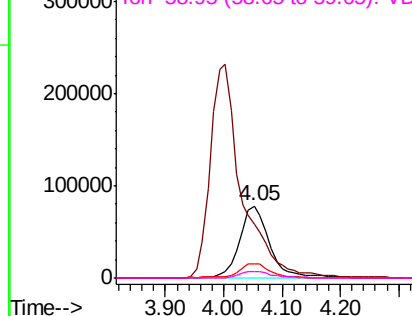
43 74.9 60.3 90.5

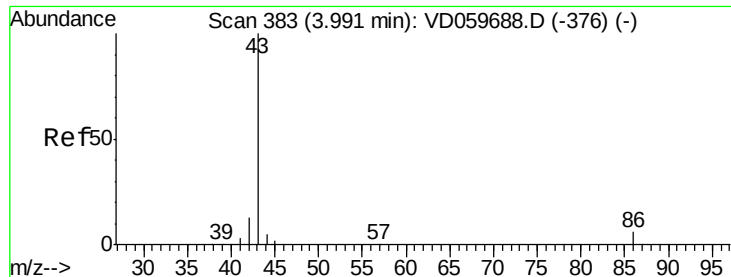
87 20.4 17.0 25.6

59 9.5 7.9 11.9



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: 243.879 ug/l

RT: 4.00 min Scan# 384

Delta R.T. 0.01 min

Lab File: VD059695.D

Acq: 6 Aug 2018 16:01

Instrument :

MSVOA_D

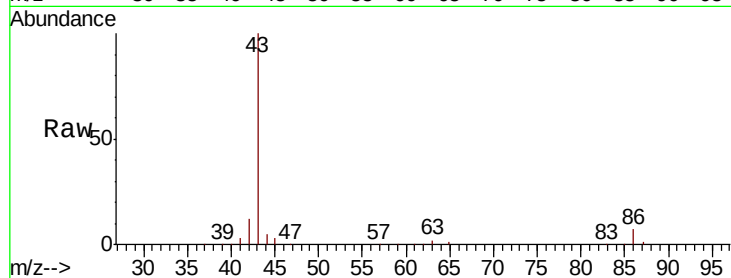
ClientSampleId :

Tot Ion: 43 Resp: 860475

Ion Ratio Lower Upper

43 100

86 6.9 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

4.00

250000

200000

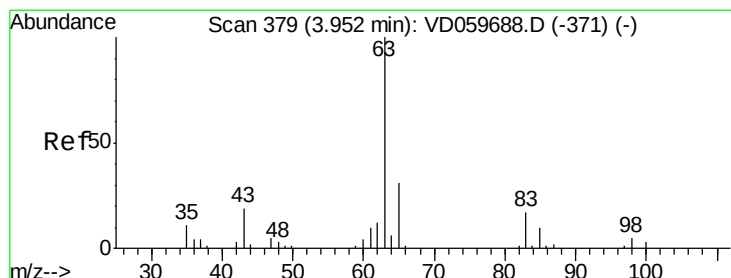
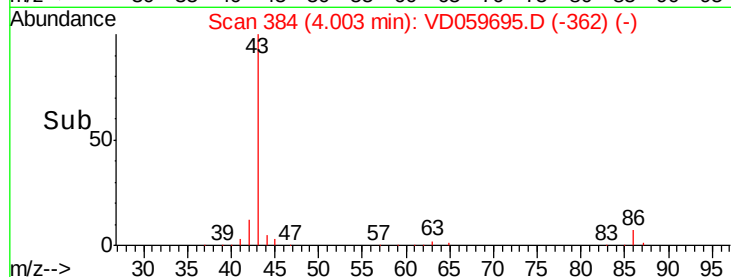
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.488 ug/l

RT: 3.95 min Scan# 379

Delta R.T. 0.00 min

Lab File: VD059695.D

Acq: 6 Aug 2018 16:01

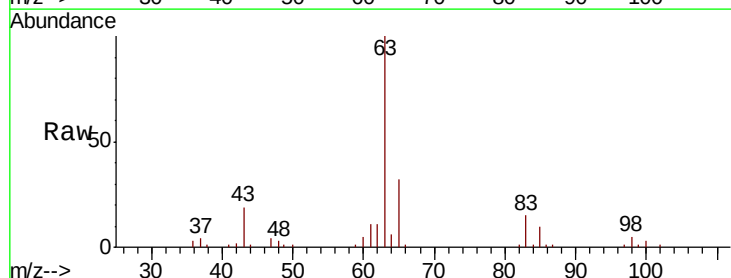
Tgt Ion: 63 Resp: 182286

Ion Ratio Lower Upper

63 100

98 5.0 2.4 7.1

100 3.1 1.6 4.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

3.95

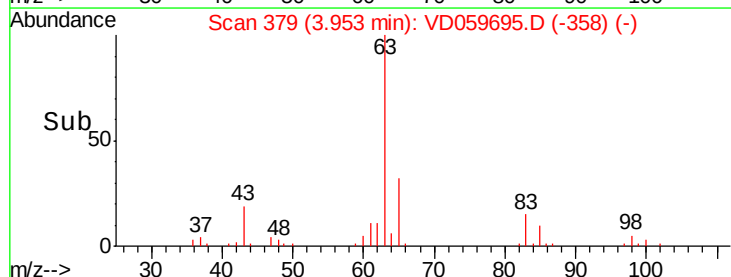
60000

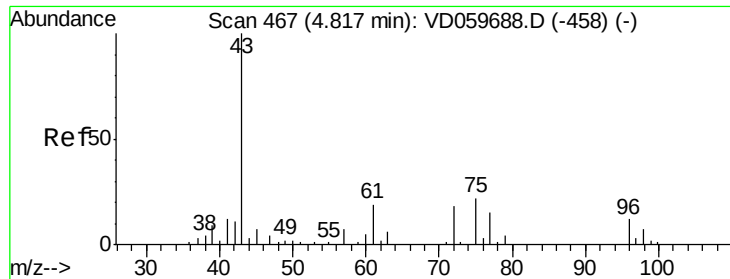
40000

20000

0

Time-->





#25

2-Butanone

Concen: 277.387 ug/l

RT: 4.82 min Scan# 467

Delta R.T. 0.00 min

Lab File: VD059695.D

Acq: 6 Aug 2018 16:01

Instrument :

MSVOA_D

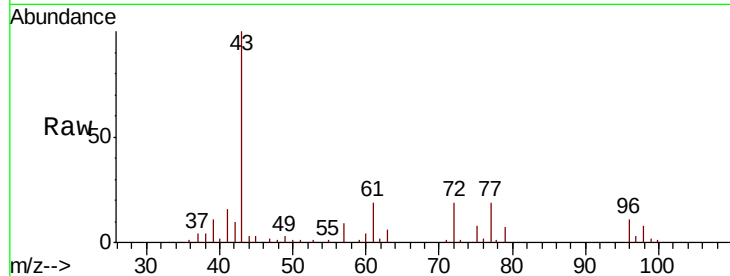
ClientSampleId :

Tot Ion: 43 Resp: 185322

Ion Ratio Lower Upper

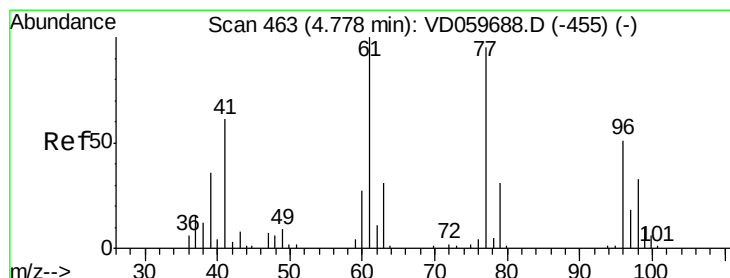
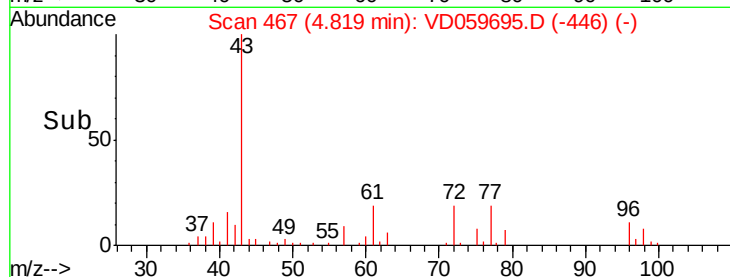
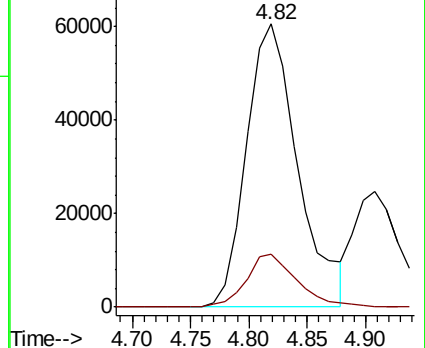
43 100

72 18.5 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 50.608 ug/l

RT: 4.78 min Scan# 463

Delta R.T. 0.00 min

Lab File: VD059695.D

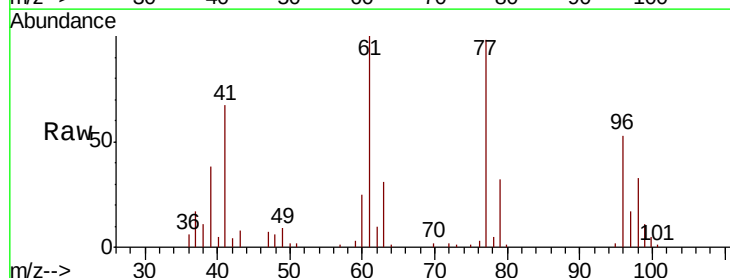
Acq: 6 Aug 2018 16:01

Tgt Ion: 77 Resp: 199079

Ion Ratio Lower Upper

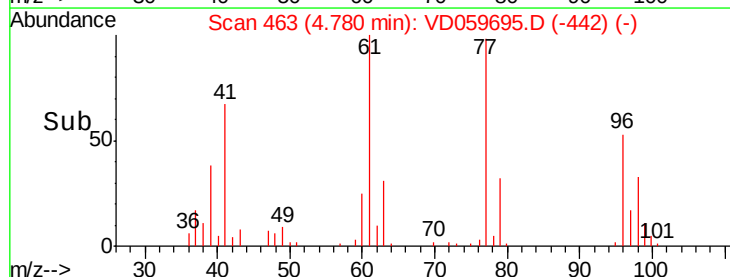
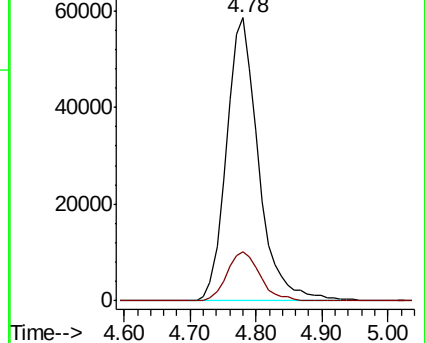
77 100

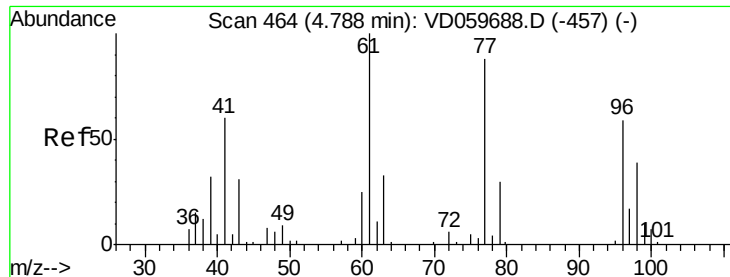
97 17.5 9.4 28.3



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



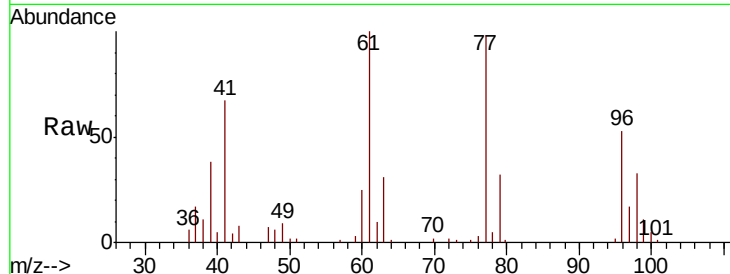


#27

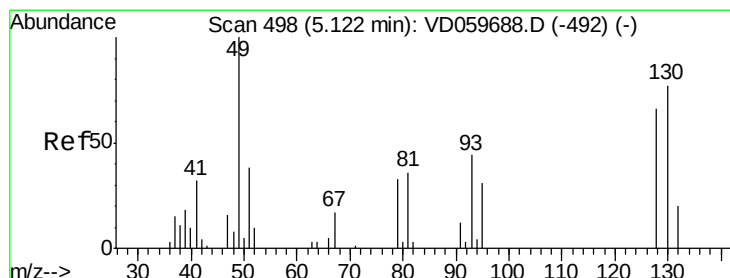
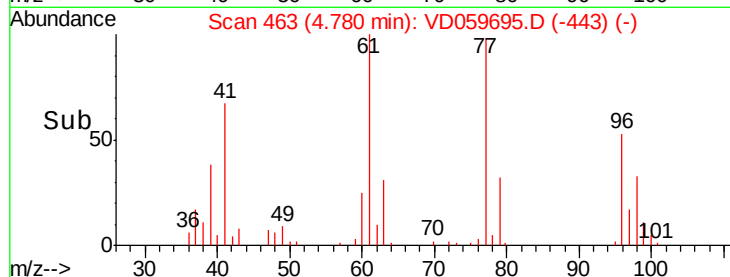
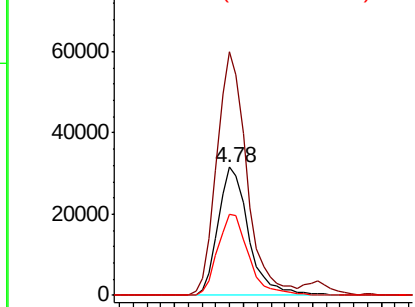
cis-1,2-Dichloroethene
 Concen: 49.248 ug/l
 RT: 4.78 min Scan# 463
 Delta R.T. -0.01 min
 Lab File: VD059695.D
 Acq: 6 Aug 2018 16:01

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 96 Resp: 96784
 Ion Ratio Lower Upper
 96 100
 61 190.0 0.0 341.6
 98 63.0 0.0 131.0



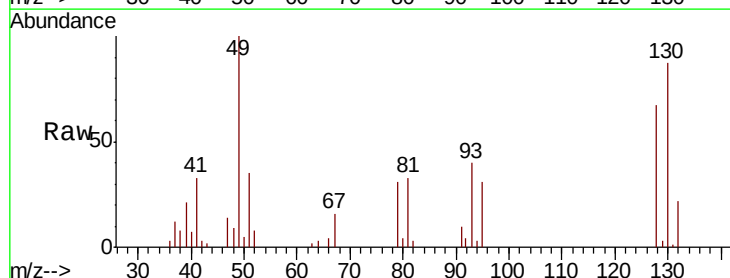
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



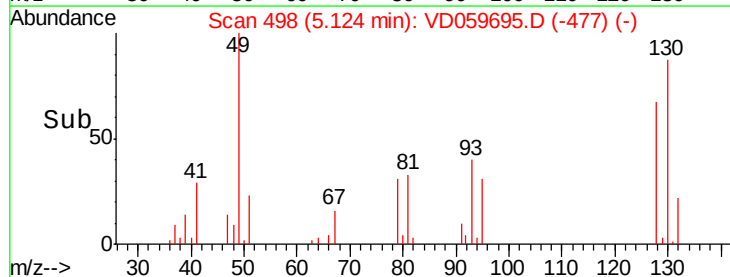
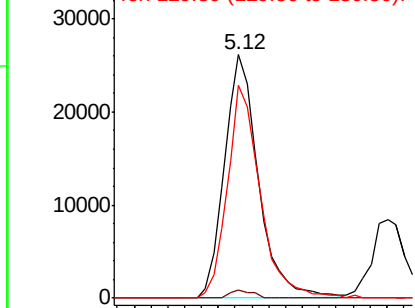
#28

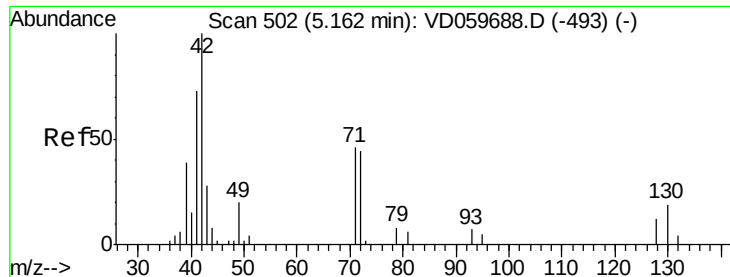
Bromochloromethane
 Concen: 53.909 ug/l
 RT: 5.12 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VD059695.D
 Acq: 6 Aug 2018 16:01

Tgt Ion: 49 Resp: 73313
 Ion Ratio Lower Upper
 49 100
 129 3.3 0.0 0.0#
 130 87.4 61.2 91.8



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

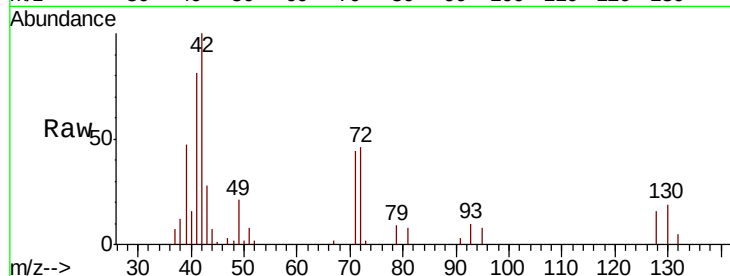




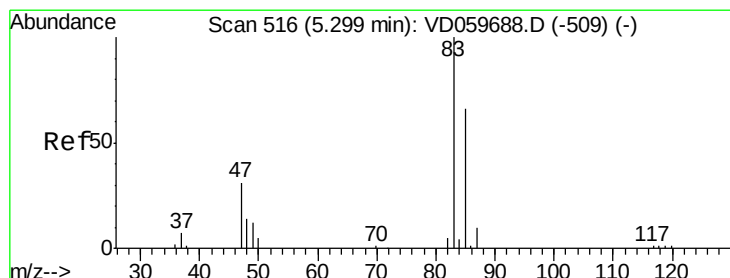
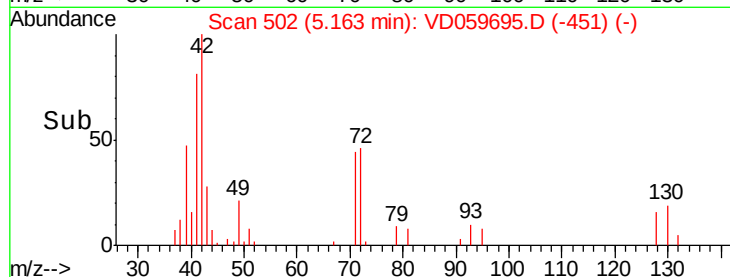
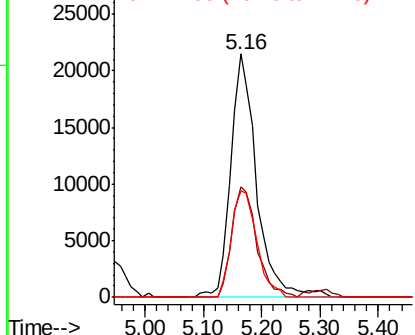
#29
Tetrahydrofuran
Concen: 256.386 ug/l
RT: 5.16 min Scan# 502
Delta R.T. 0.00 min
Lab File: VD059695.D
Acq: 6 Aug 2018 16:01

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 42 Resp: 66338
Ion Ratio Lower Upper
42 100
72 43.9 36.7 55.1
71 42.8 36.3 54.5

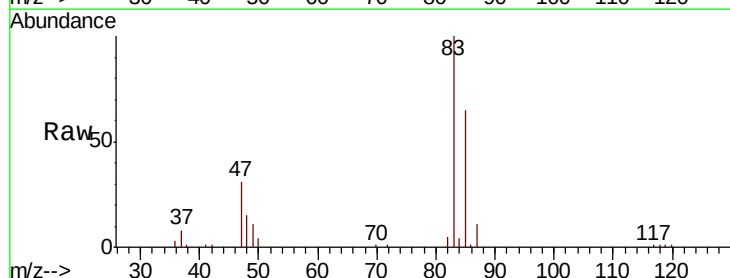


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

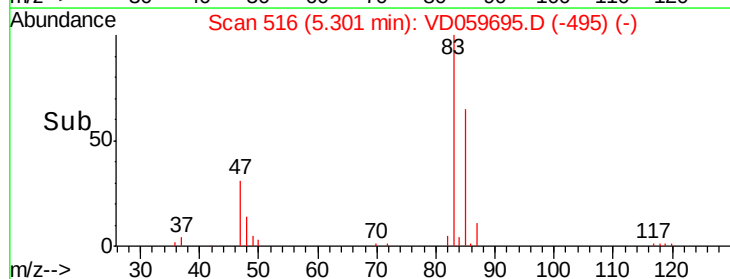
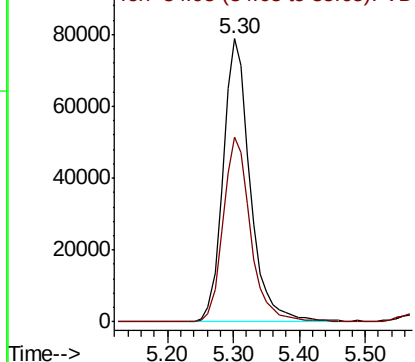


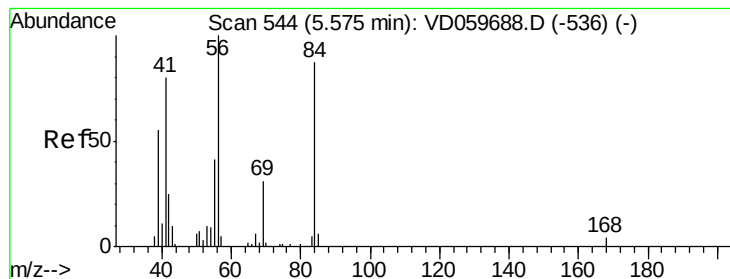
#30
Chloroform
Concen: 50.326 ug/l
RT: 5.30 min Scan# 516
Delta R.T. 0.00 min
Lab File: VD059695.D
Acq: 6 Aug 2018 16:01

Tgt Ion: 83 Resp: 225959
Ion Ratio Lower Upper
83 100
85 65.2 52.6 79.0



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





#31

Cyclohexane

Concen: 49.855 ug/l

RT: 5.57 min Scan# 543

Delta R.T. -0.01 min

Lab File: VD059695.D

Acq: 6 Aug 2018 16:01

Instrument :

MSVOA_D

ClientSampleId :

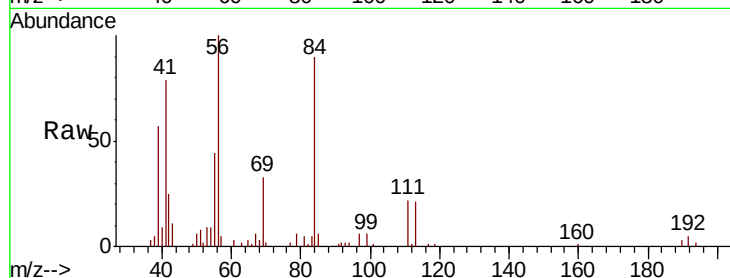
Tot Ion: 56 Resp: 120489

Ion Ratio Lower Upper

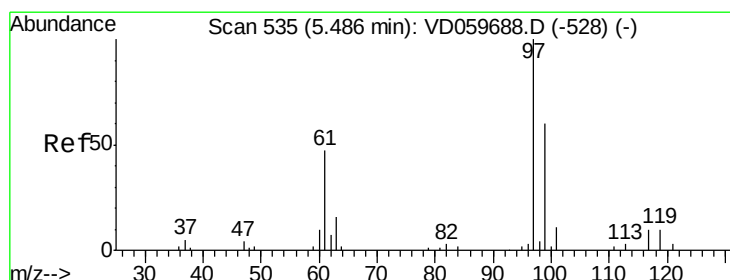
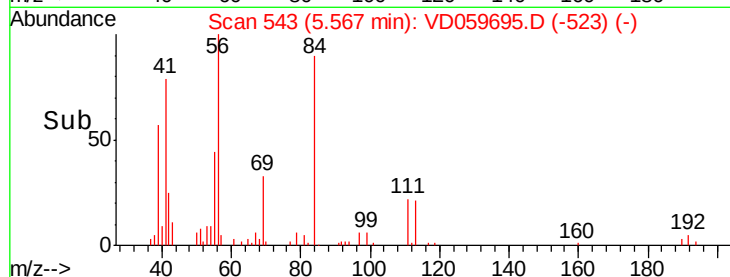
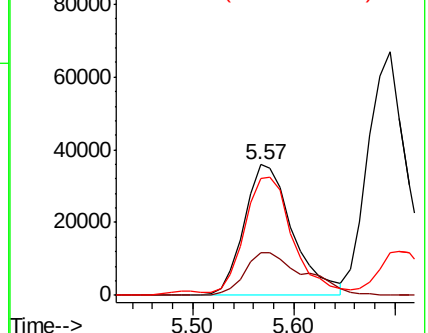
56 100

69 33.2 24.7 37.1

84 90.1 72.2 108.2



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 49.161 ug/l

RT: 5.49 min Scan# 535

Delta R.T. 0.00 min

Lab File: VD059695.D

Acq: 6 Aug 2018 16:01

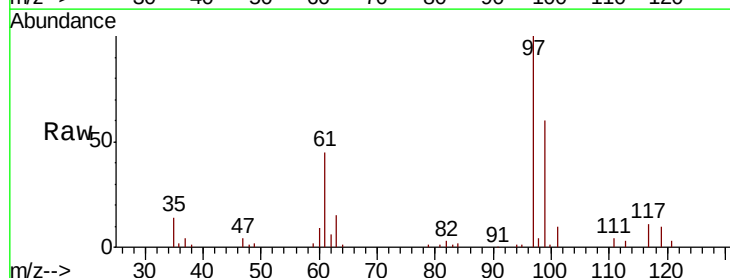
Tgt Ion: 97 Resp: 214693

Ion Ratio Lower Upper

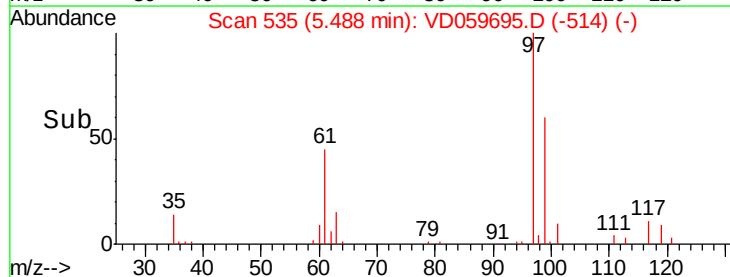
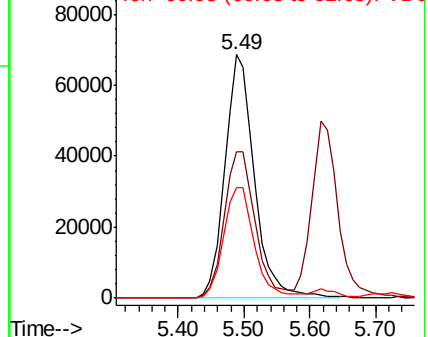
97 100

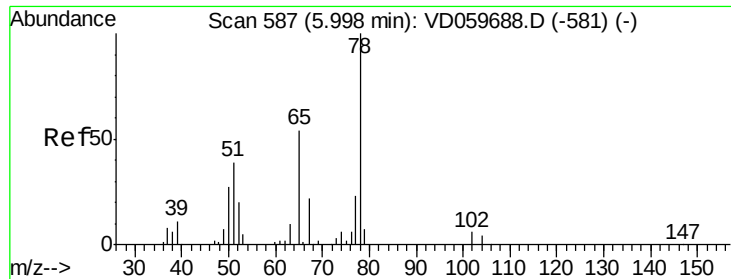
99 60.0 48.2 72.2

61 45.4 37.5 56.3



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

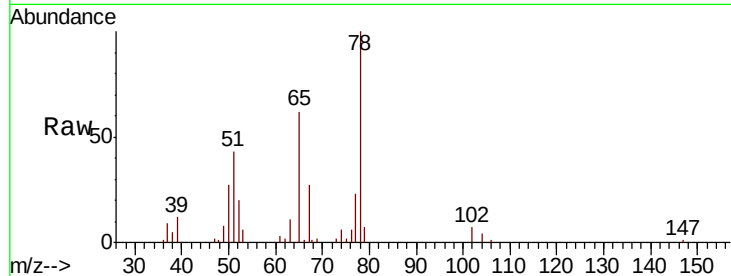




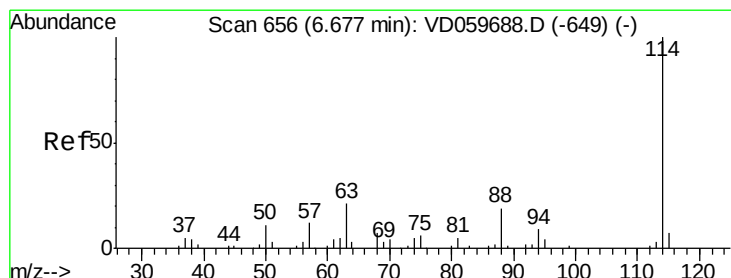
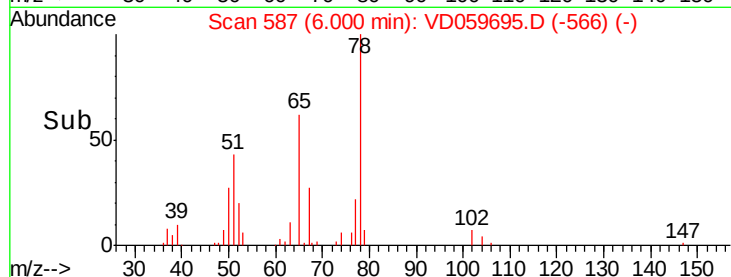
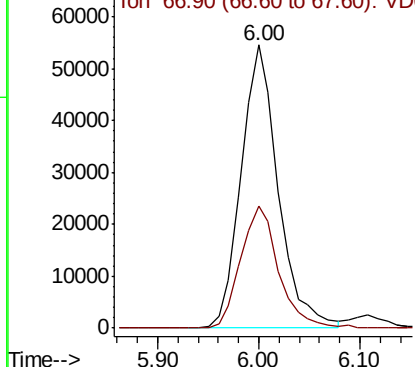
#33
 1,2-Dichloroethane-d4
 Concen: 49.161 ug/l
 RT: 6.00 min Scan# 587
 Delta R.T. 0.00 min
 Lab File: VD059695.D
 Acq: 6 Aug 2018 16:01

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 65 Resp: 139305
 Ion Ratio Lower Upper
 65 100
 67 43.0 0.0 80.4

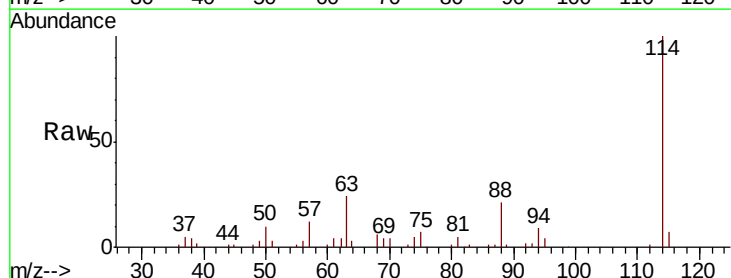


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

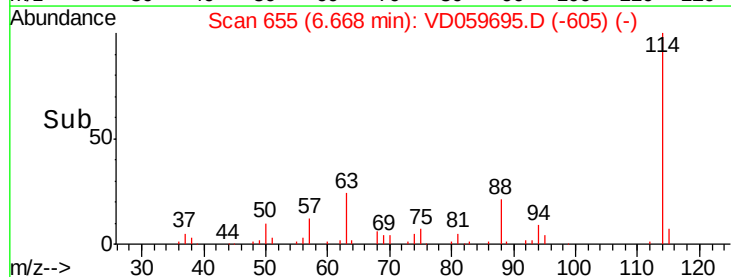
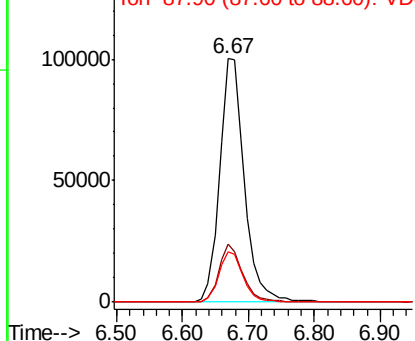


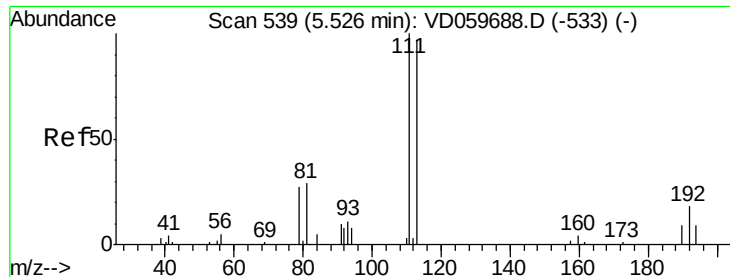
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.67 min Scan# 655
 Delta R.T. -0.01 min
 Lab File: VD059695.D
 Acq: 6 Aug 2018 16:01

Tgt Ion: 114 Resp: 262025
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 42.6
 88 20.5 0.0 38.8



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

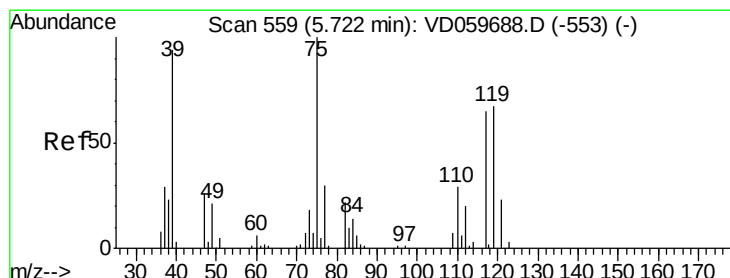
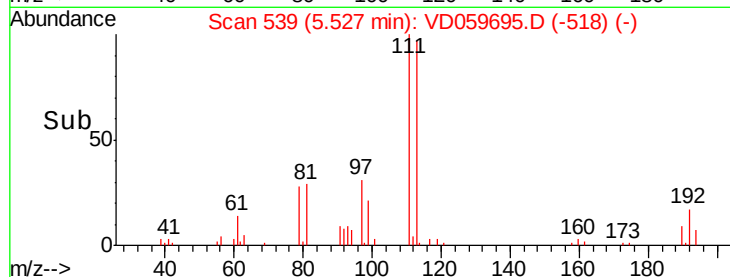
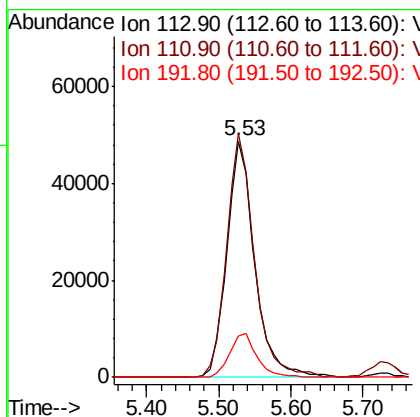
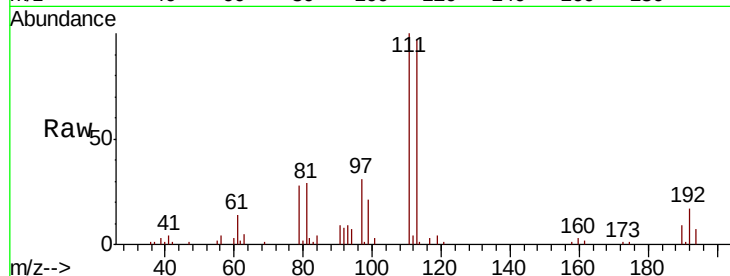




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.53 min Scan# 539
 Delta R.T. 0.00 min
 Lab File: VD059695.D
 Acq: 6 Aug 2018 16:01

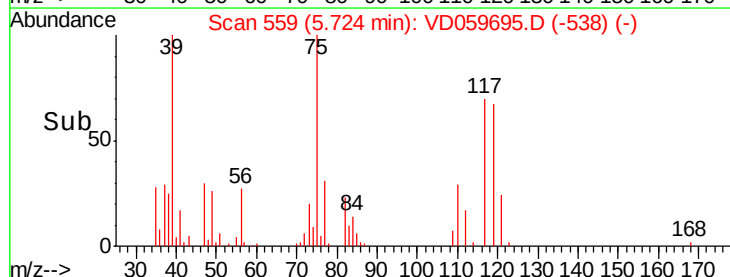
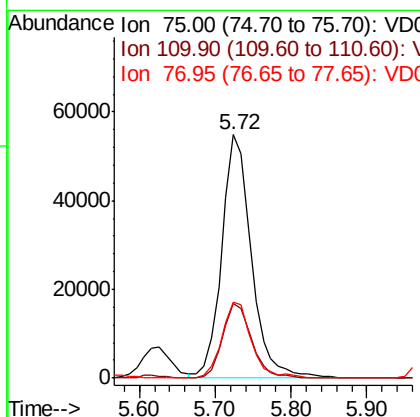
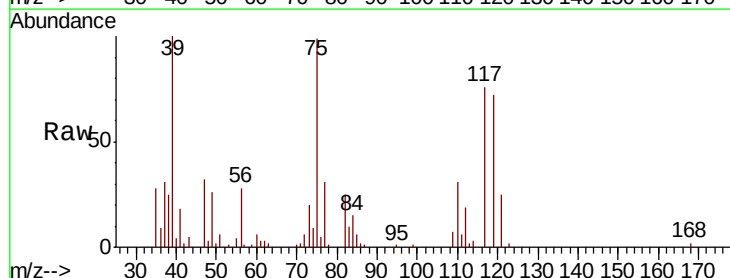
Instrument :
 MSVOA_D
 ClientSampleId :

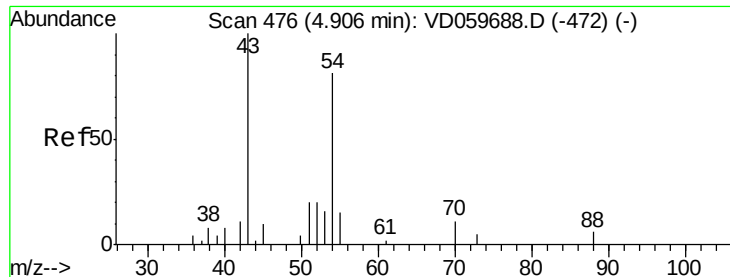
Tot Ion:113 Resp: 130953
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.8 124.2
 192 17.6 14.6 22.0



#36
 1,1-Dichloropropene
 Concen: 51.107 ug/l
 RT: 5.72 min Scan# 559
 Delta R.T. 0.00 min
 Lab File: VD059695.D
 Acq: 6 Aug 2018 16:01

Tgt Ion: 75 Resp: 148876
 Ion Ratio Lower Upper
 75 100
 110 30.9 14.1 42.3
 77 31.0 23.9 35.9

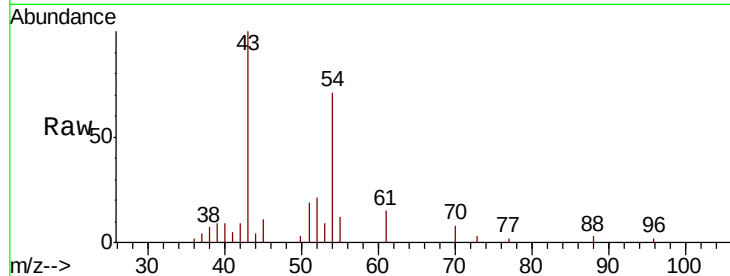




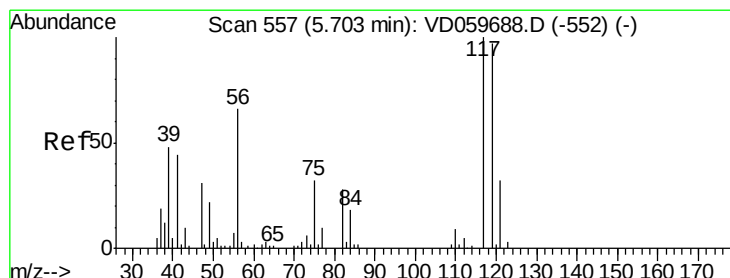
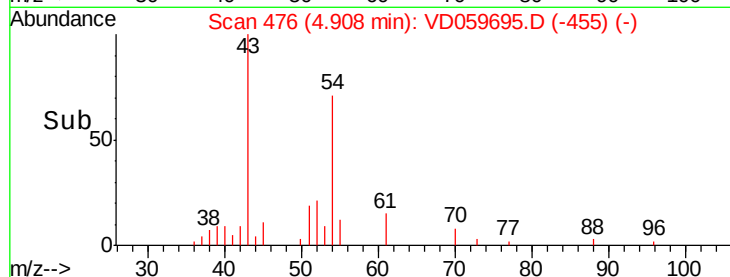
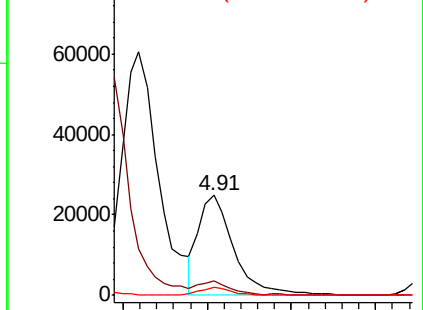
#37
Ethyl Acetate
Concen: 51.116 ug/l
RT: 4.91 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD059695.D
Acq: 6 Aug 2018 16:01

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 72298
Ion Ratio Lower Upper
43 100
61 14.7 10.1 15.1
70 7.7 5.4 8.2

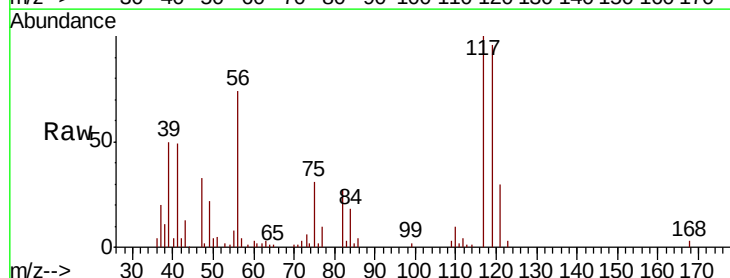


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

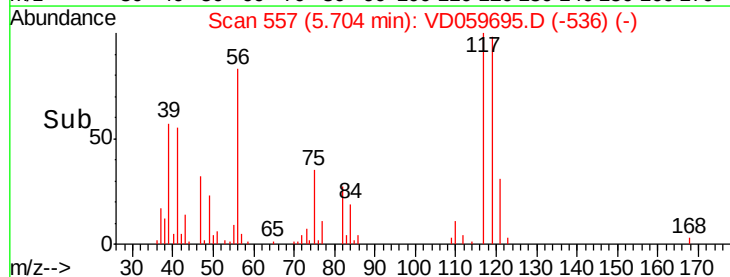
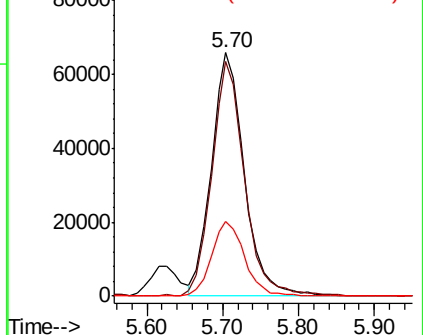


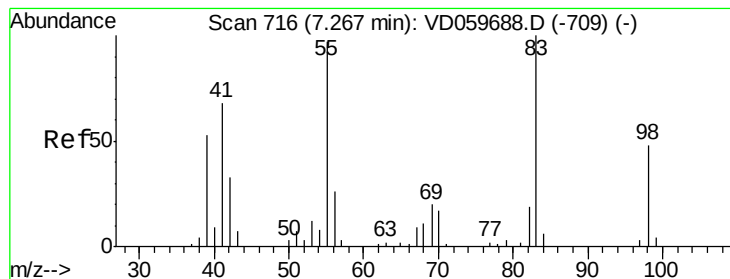
#38
Carbon Tetrachloride
Concen: 51.108 ug/l
RT: 5.70 min Scan# 557
Delta R.T. 0.00 min
Lab File: VD059695.D
Acq: 6 Aug 2018 16:01

Tgt Ion: 117 Resp: 199236
Ion Ratio Lower Upper
117 100
119 96.4 75.3 112.9
121 30.5 24.4 36.6



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methylvlcyclohexane

Concen: 52.732 ug/l

RT: 7.27 min Scan# 716

Delta R.T. 0.00 min

Lab File: VD059695.D

Acq: 6 Aug 2018 16:01

Instrument :
MSVOA_D
ClientSampled :

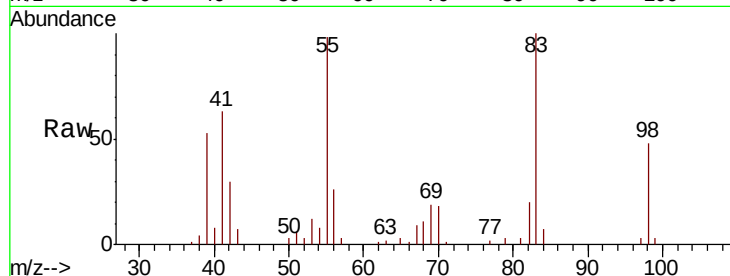
Tot Ion: 83 Resp: 129821

Ion Ratio Lower Upper

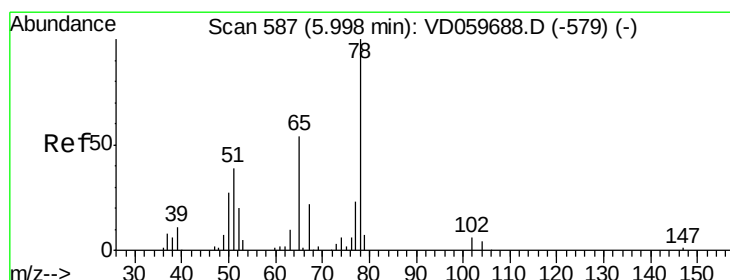
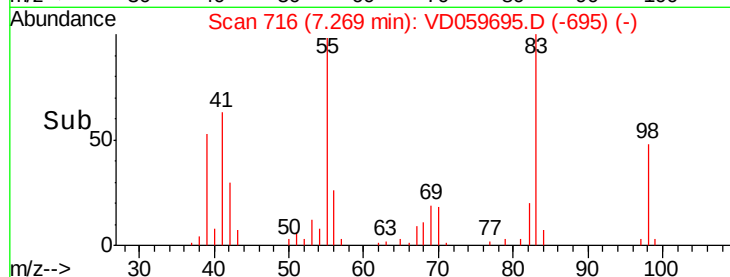
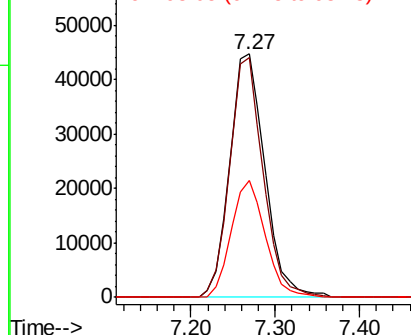
83 100

55 98.5 77.7 116.5

98 47.8 38.7 58.1



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: 45.718 ug/l

RT: 6.00 min Scan# 587

Delta R.T. 0.00 min

Lab File: VD059695.D

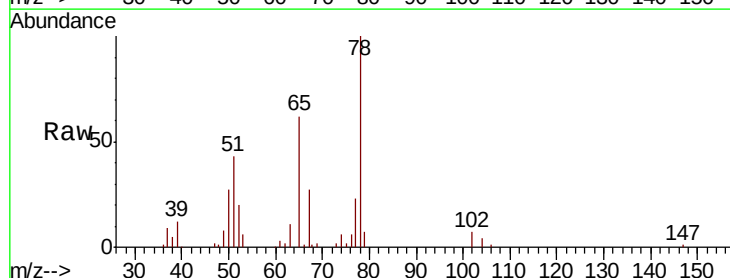
Acq: 6 Aug 2018 16:01

Tgt Ion: 78 Resp: 258291

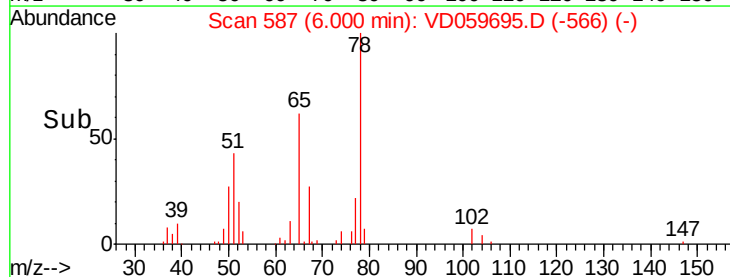
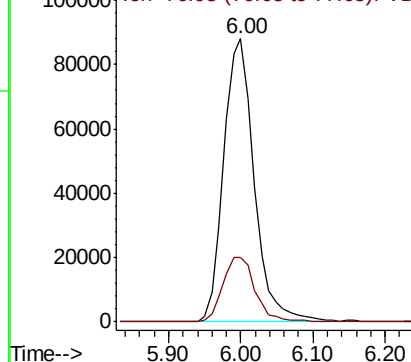
Ion Ratio Lower Upper

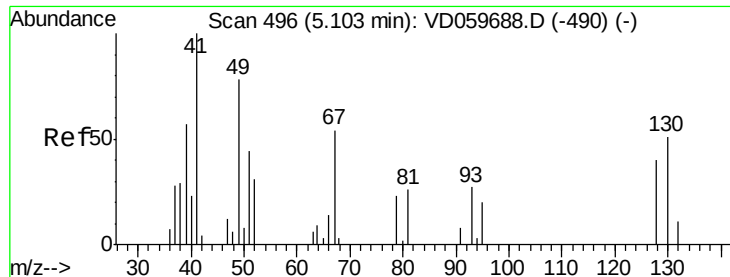
78 100

77 22.8 18.4 27.6



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

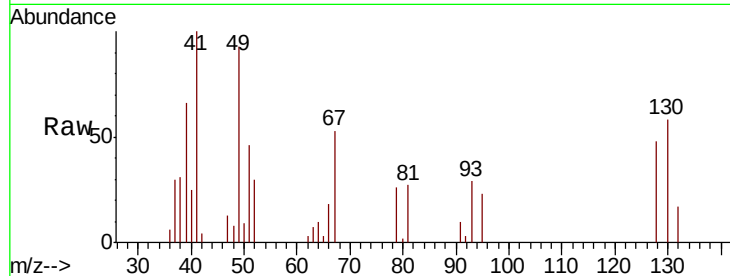




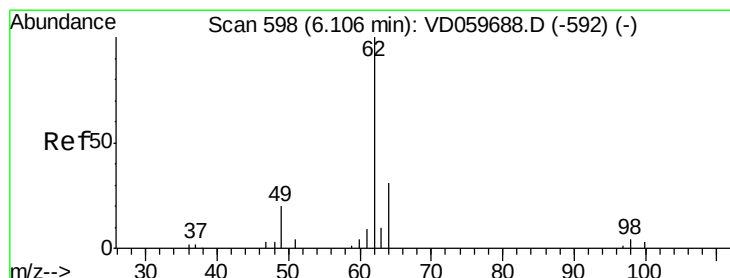
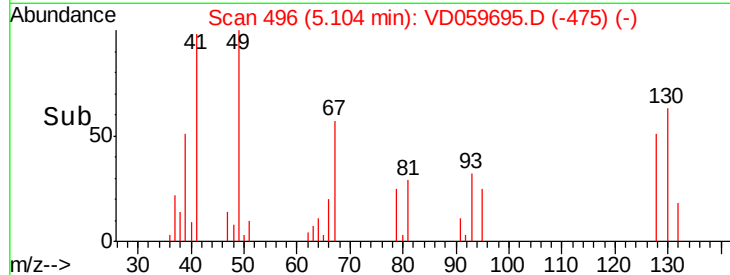
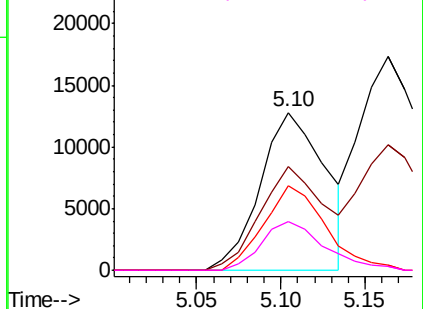
#41
Methacrylonitrile
Concen: 52.091 ug/l
RT: 5.10 min Scan# 496
Delta R.T. 0.00 min
Lab File: VD059695.D
Acq: 6 Aug 2018 16:01

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 34448
Ion Ratio Lower Upper
41 100
39 65.5 45.8 68.8
67 53.2 43.4 65.2
52 30.5 24.6 37.0

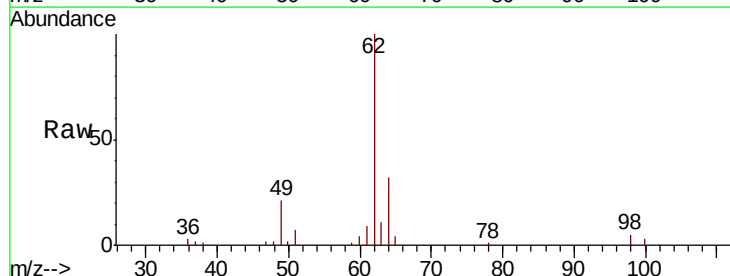


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

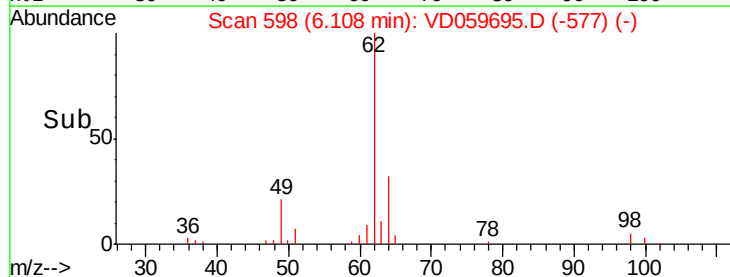
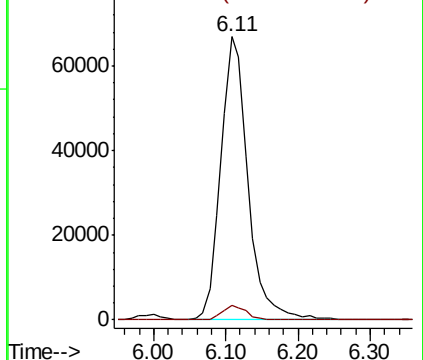


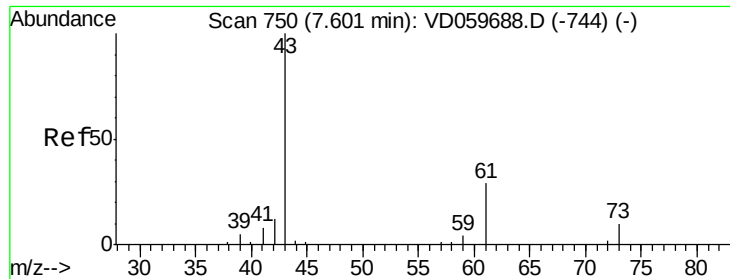
#42
1,2-Dichloroethane
Concen: 49.935 ug/l
RT: 6.11 min Scan# 598
Delta R.T. 0.00 min
Lab File: VD059695.D
Acq: 6 Aug 2018 16:01

Tgt Ion: 62 Resp: 174407
Ion Ratio Lower Upper
62 100
98 5.2 0.0 8.8



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





#43

Isopropyl Acetate

Concen: 50.397 ug/l

RT: 7.60 min Scan# 750

Delta R.T. 0.00 min

Lab File: VD059695.D

Acq: 6 Aug 2018 16:01

Instrument :

MSVOA_D

ClientSampled :

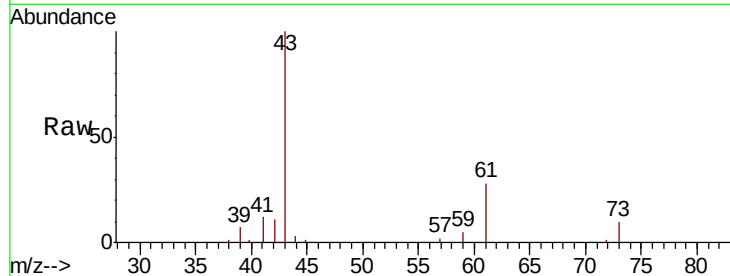
Tot Ion: 43 Resp: 93168

Ion Ratio Lower Upper

43 100

61 27.7 22.9 34.3

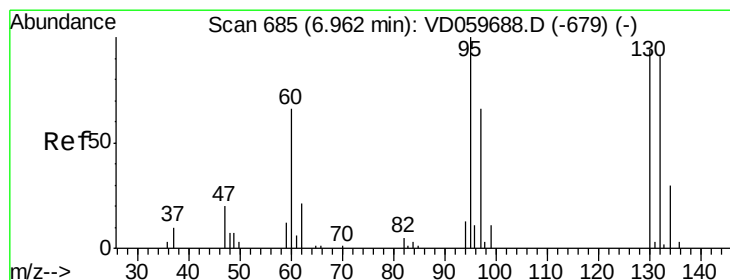
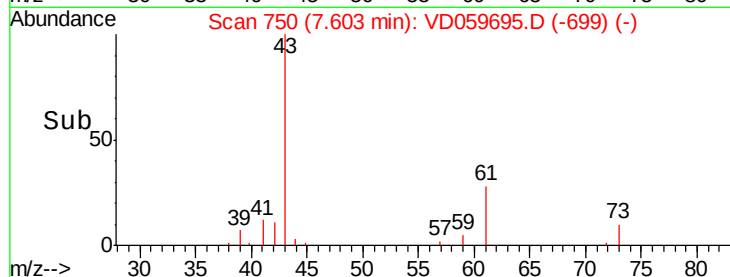
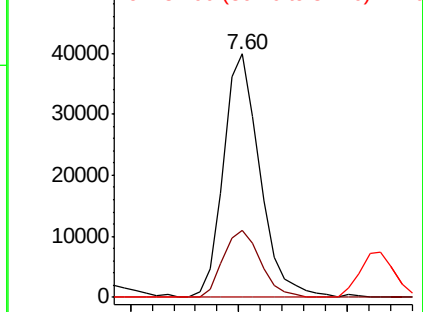
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 51.854 ug/l

RT: 6.96 min Scan# 685

Delta R.T. 0.00 min

Lab File: VD059695.D

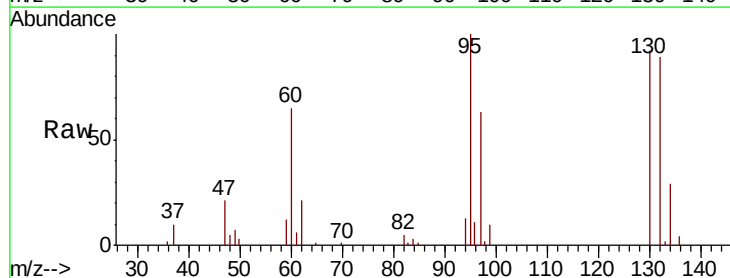
Acq: 6 Aug 2018 16:01

Tgt Ion:130 Resp: 107030

Ion Ratio Lower Upper

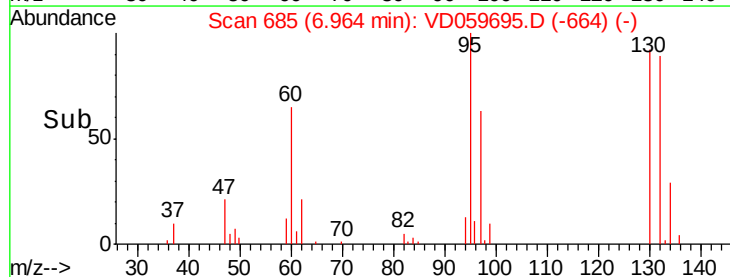
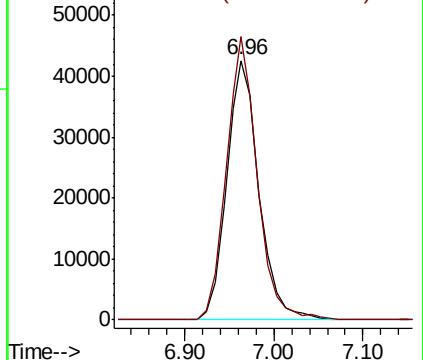
130 100

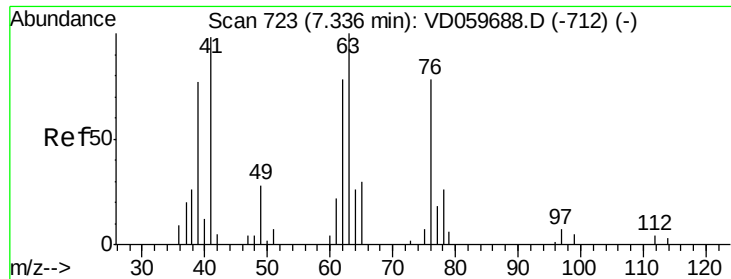
95 109.0 0.0 212.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

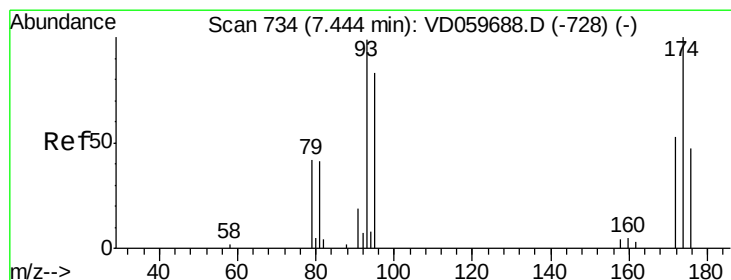
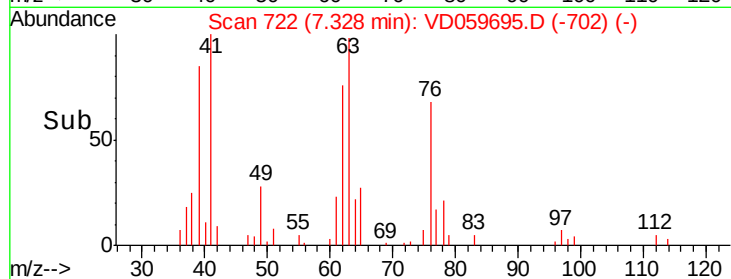
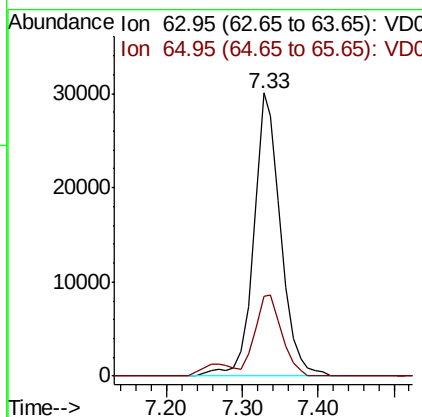
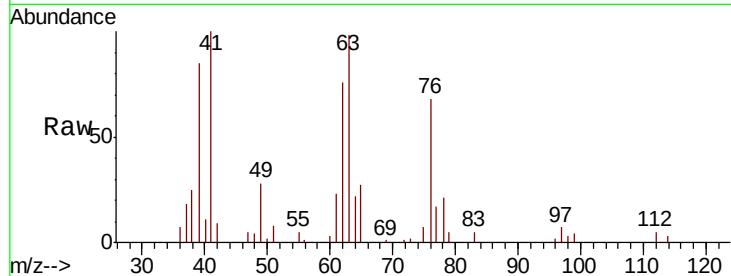




#45
 1,2-Dichloropropane
 Concen: 49.742 ug/l
 RT: 7.33 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: VD059695.D
 Acq: 6 Aug 2018 16:01

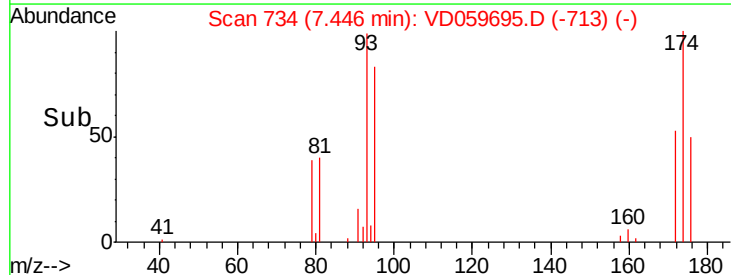
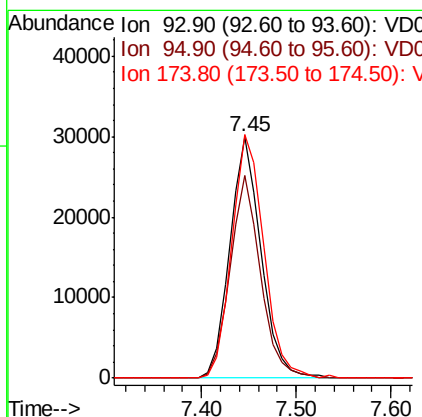
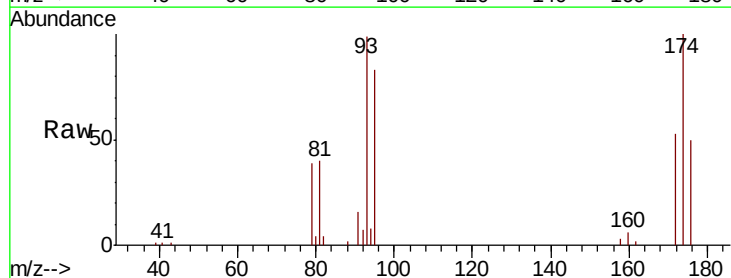
Instrument :
 MSVOA_D
 ClientSampleID :

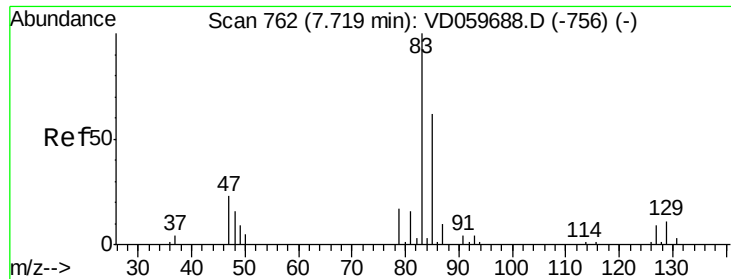
Tot Ion: 63 Resp: 74205
 Ion Ratio Lower Upper
 63 100
 65 28.1 24.2 36.4



#46
 Dibromomethane
 Concen: 52.643 ug/l
 RT: 7.45 min Scan# 734
 Delta R.T. 0.00 min
 Lab File: VD059695.D
 Acq: 6 Aug 2018 16:01

Tgt Ion: 93 Resp: 68055
 Ion Ratio Lower Upper
 93 100
 95 84.2 66.6 100.0
 174 100.9 80.6 120.8





#47

Bromodichloromethane

Concen: 51.262 ug/l

RT: 7.72 min Scan# 762

Delta R.T. 0.00 min

Lab File: VD059695.D

Acq: 6 Aug 2018 16:01

Instrument :

MSVOA_D

ClientSampleId :

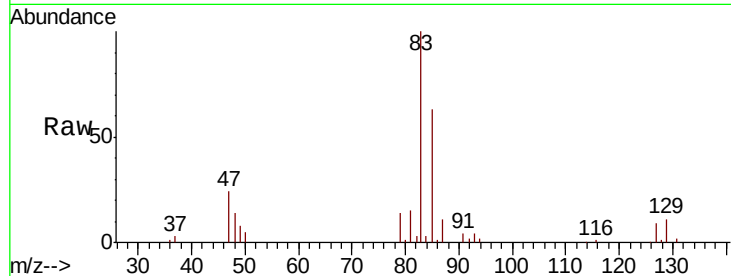
Tot Ion: 83 Resp: 168789

Ion Ratio Lower Upper

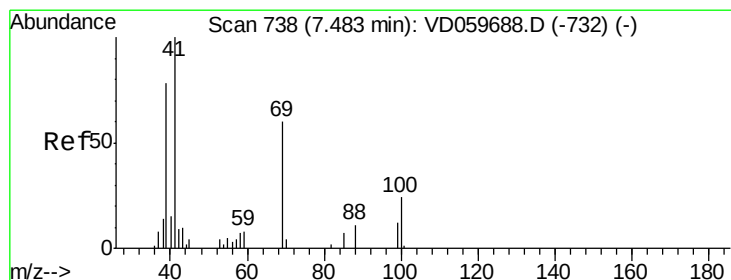
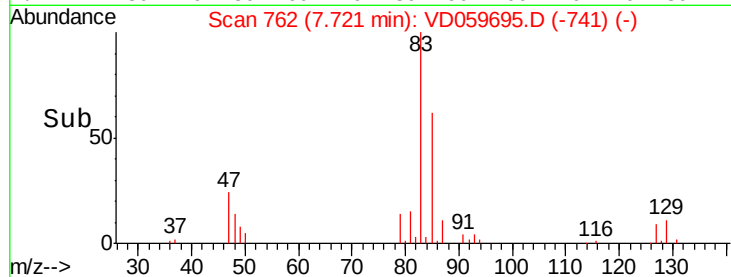
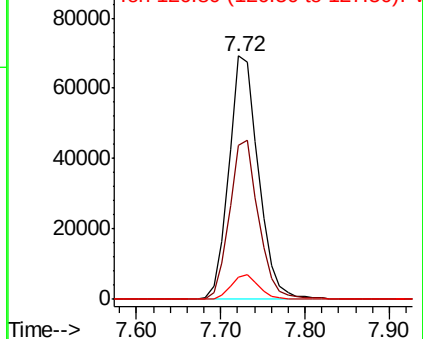
83 100

85 63.2 49.8 74.8

127 9.0 7.3 10.9



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: 54.849 ug/l

RT: 7.49 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD059695.D

Acq: 6 Aug 2018 16:01

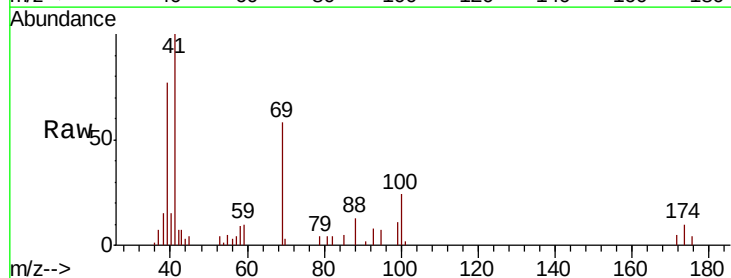
Tgt Ion: 41 Resp: 66927

Ion Ratio Lower Upper

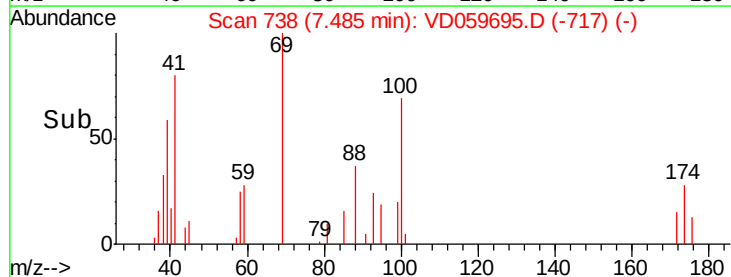
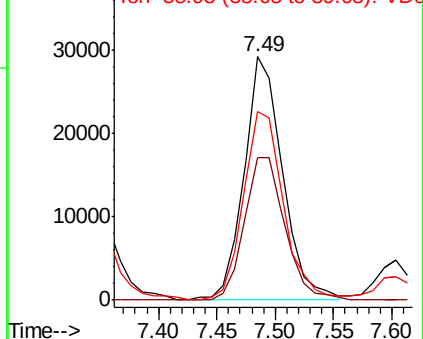
41 100

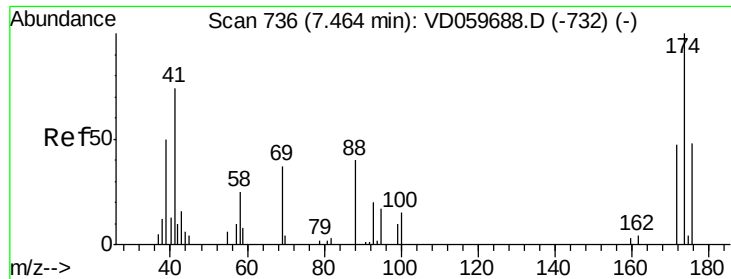
69 58.4 47.3 70.9

39 77.3 62.9 94.3



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

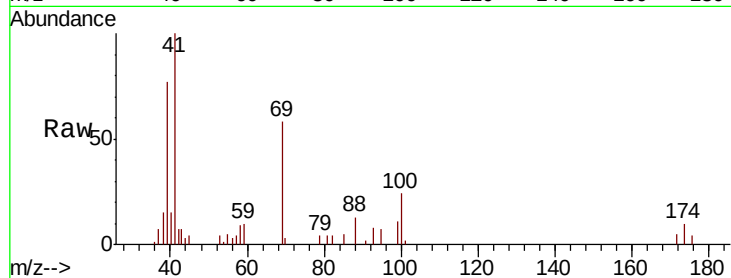




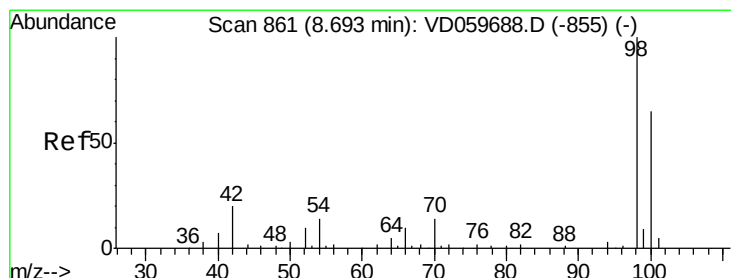
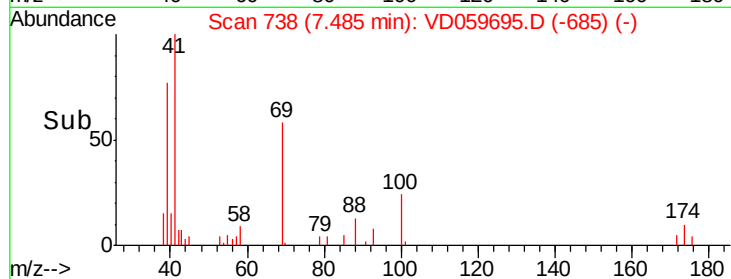
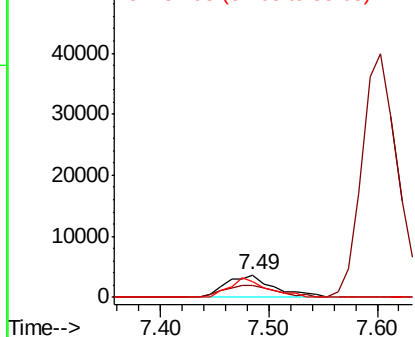
#49
 1,4-Dioxane
 Concen: 1050.135 ug/l
 RT: 7.49 min Scan# 738
 Delta R.T. 0.02 min
 Lab File: VD059695.D
 Acq: 6 Aug 2018 16:01

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 88 Resp: 11200
 Ion Ratio Lower Upper
 88 100
 43 52.5 32.2 48.2#
 58 66.9 51.5 77.3

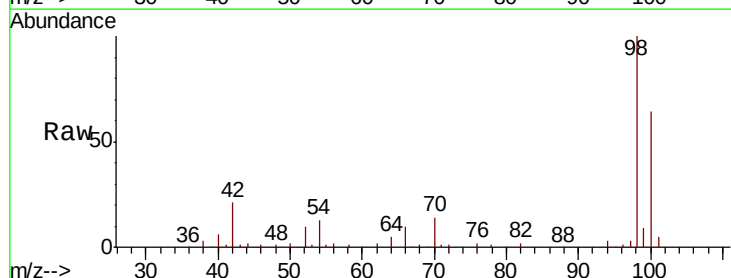


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

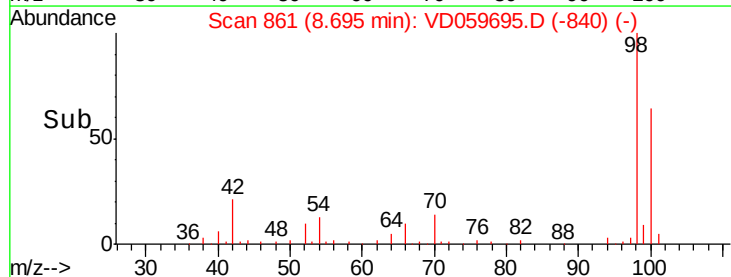
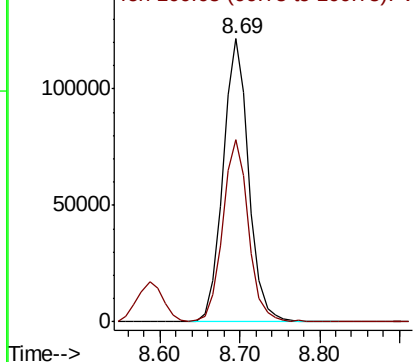


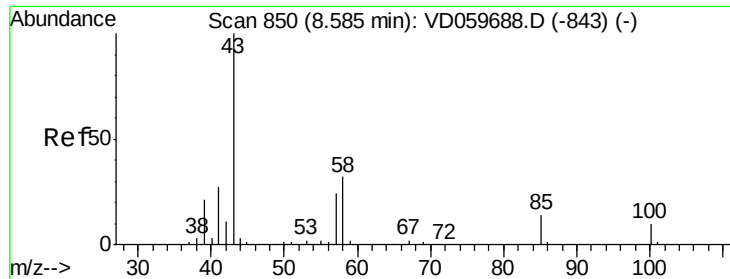
#50
 Toluene-d8
 Concen: 1050.135 ug/l
 RT: 8.69 min Scan# 861
 Delta R.T. 0.00 min
 Lab File: VD059695.D
 Acq: 6 Aug 2018 16:01

Tgt Ion: 98 Resp: 274558
 Ion Ratio Lower Upper
 98 100
 100 64.4 52.5 78.7



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: 274.325 ug/l

RT: 8.59 min Scan# 850

Delta R.T. 0.00 min

Lab File: VD059695.D

Acq: 6 Aug 2018 16:01

Instrument :

MSVOA_D

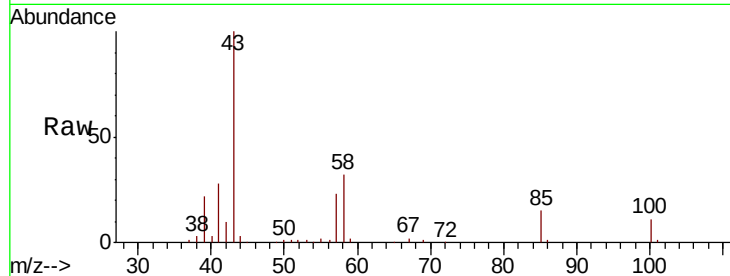
ClientSampleId :

Tot Ion: 43 Resp: 369848

Ion Ratio Lower Upper

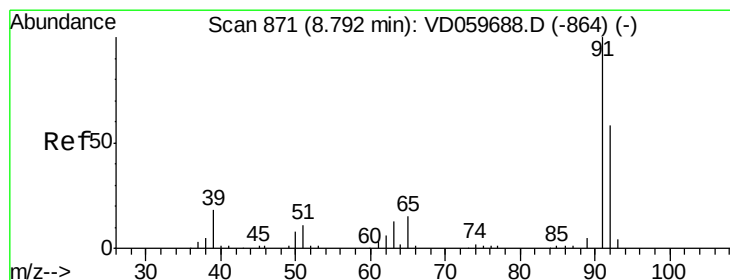
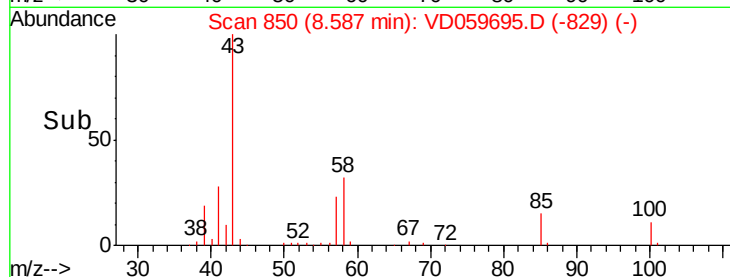
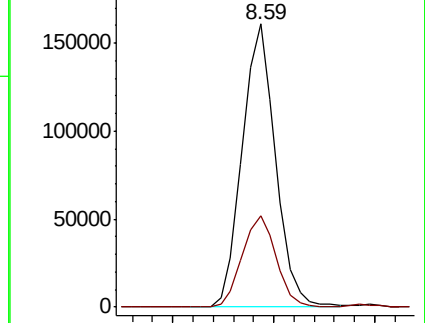
43 100

58 32.1 25.7 38.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 49.279 ug/l

RT: 8.78 min Scan# 870

Delta R.T. -0.01 min

Lab File: VD059695.D

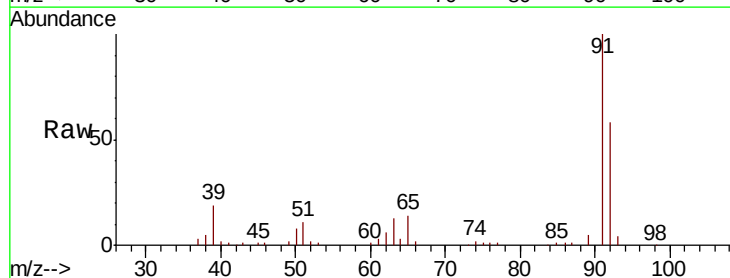
Acq: 6 Aug 2018 16:01

Tgt Ion: 92 Resp: 177594

Ion Ratio Lower Upper

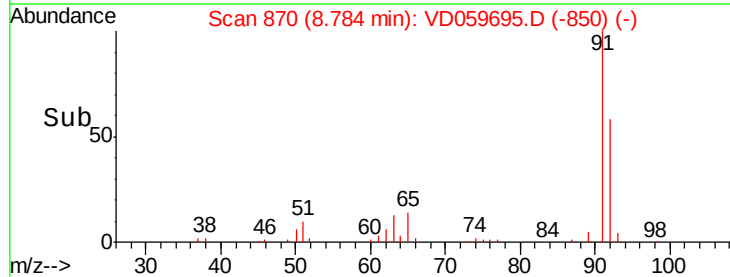
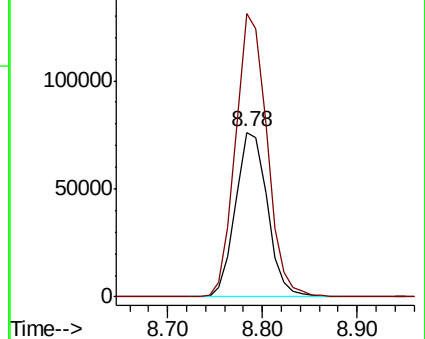
92 100

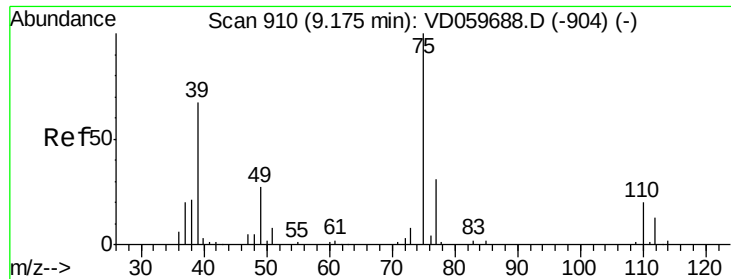
91 171.8 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

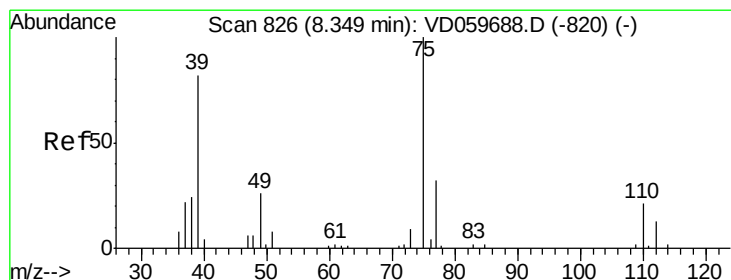
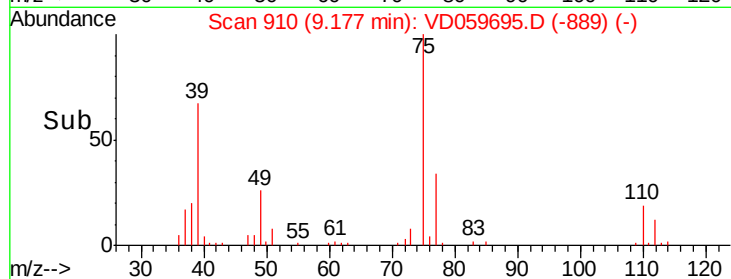
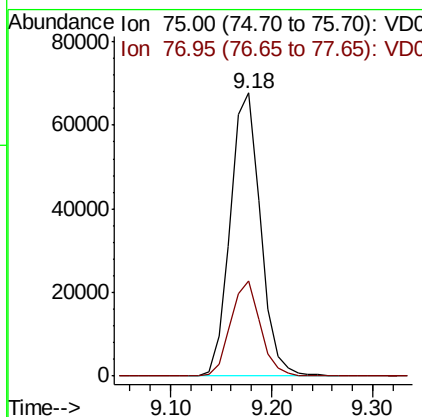
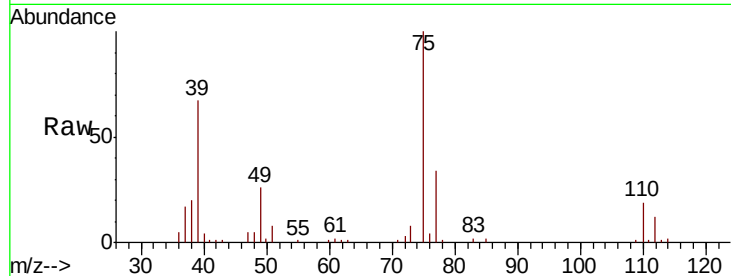




#53
t-1,3-Dichloropropene
Concen: 50.556 ug/l
RT: 9.18 min Scan# 910
Delta R.T. 0.00 min
Lab File: VD059695.D
Acq: 6 Aug 2018 16:01

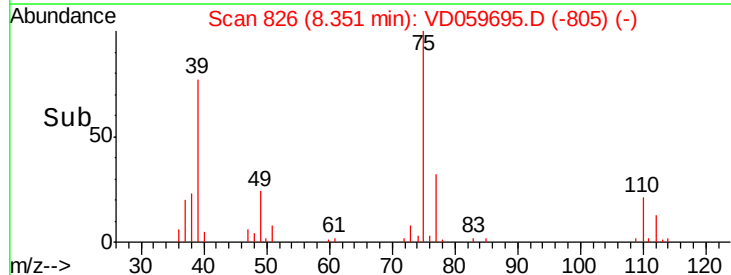
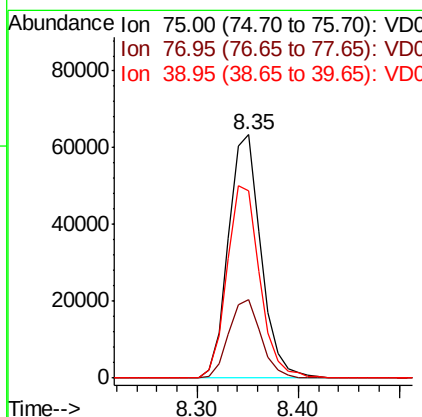
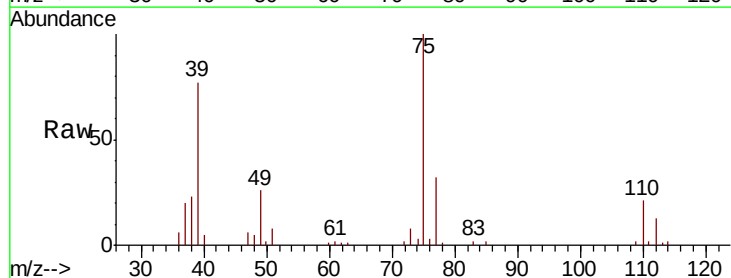
Instrument :
MSVOA_D
ClientSampleId :

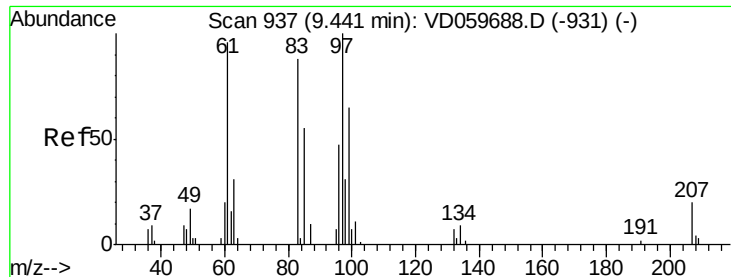
Tot Ion: 75 Resp: 140836
Ion Ratio Lower Upper
75 100
77 33.7 24.7 37.1



#54
cis-1,3-Dichloropropene
Concen: 49.760 ug/l
RT: 8.35 min Scan# 826
Delta R.T. 0.00 min
Lab File: VD059695.D
Acq: 6 Aug 2018 16:01

Tgt Ion: 75 Resp: 142775
Ion Ratio Lower Upper
75 100
77 32.2 25.5 38.3
39 77.1 65.4 98.2

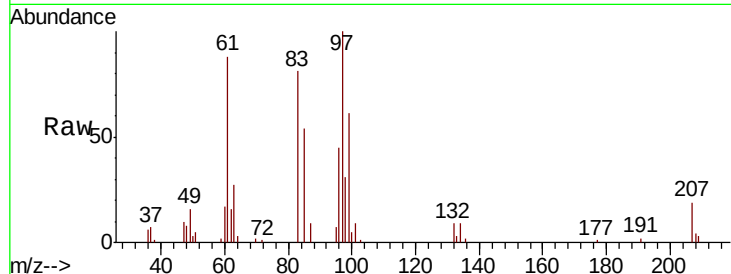




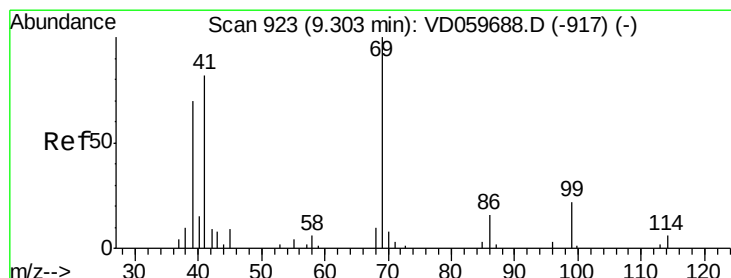
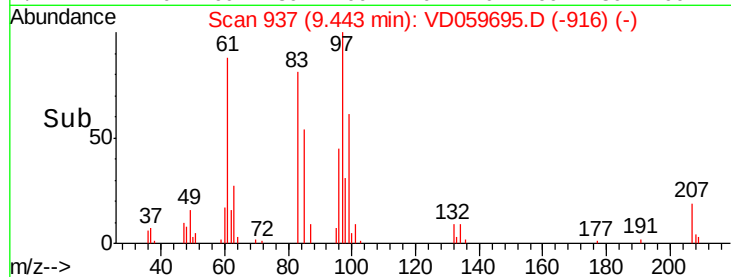
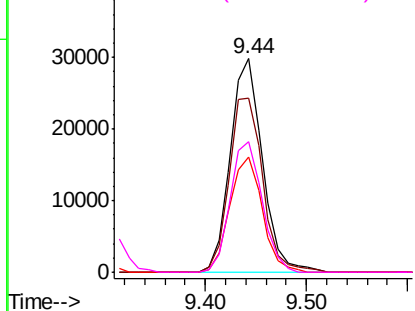
#55
 1,1,2-Trichloroethane
 Concen: 47.736 ug/l
 RT: 9.44 min Scan# 937
 Delta R.T. 0.00 min
 Lab File: VD059695.D
 Acq: 6 Aug 2018 16:01

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 66077
 Ion Ratio Lower Upper
 97 100
 83 81.3 70.8 106.2
 85 53.9 44.1 66.1
 99 61.4 52.2 78.4

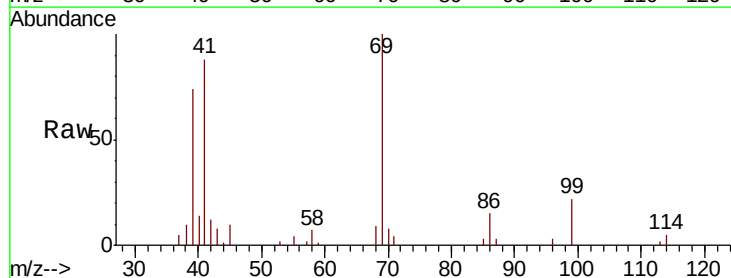


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

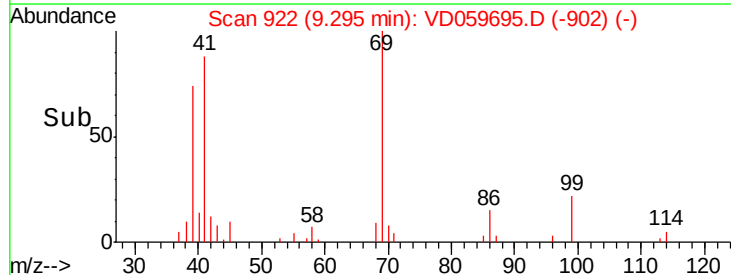
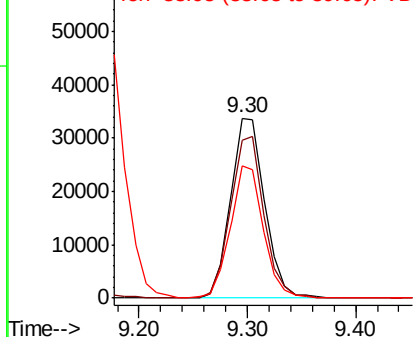


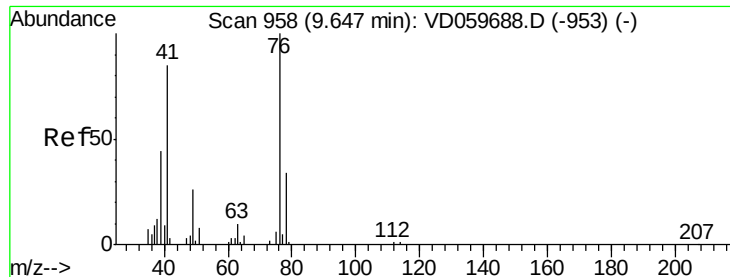
#56
 Ethyl methacrylate
 Concen: 48.291 ug/l
 RT: 9.30 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: VD059695.D
 Acq: 6 Aug 2018 16:01

Tgt Ion: 69 Resp: 73754
 Ion Ratio Lower Upper
 69 100
 41 88.2 65.7 98.5
 39 73.5 55.8 83.8



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: 49.948 ug/l

RT: 9.65 min Scan# 958

Delta R.T. 0.00 min

Lab File: VD059695.D

Acq: 6 Aug 2018 16:01

Instrument :

MSVOA_D

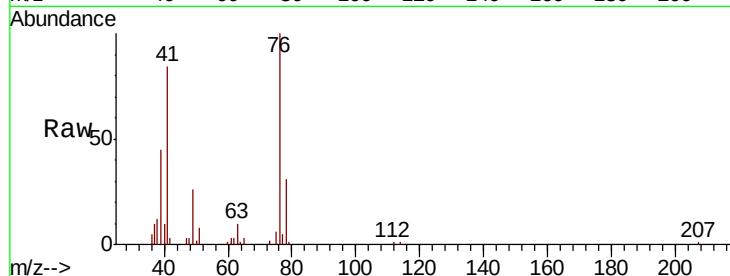
ClientSampled :

Tot Ion: 76 Resp: 107286

Ion Ratio Lower Upper

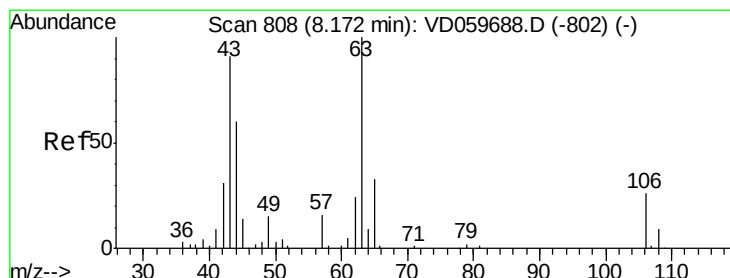
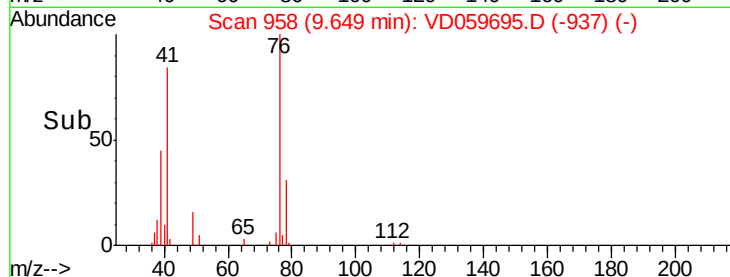
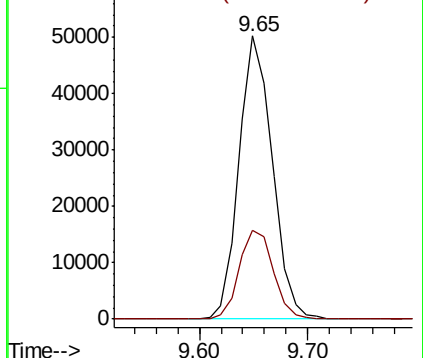
76 100

78 31.4 27.5 41.3



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: 254.890 ug/l

RT: 8.17 min Scan# 808

Delta R.T. 0.00 min

Lab File: VD059695.D

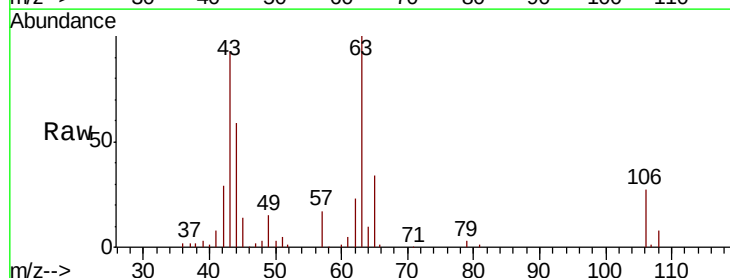
Acq: 6 Aug 2018 16:01

Tgt Ion: 63 Resp: 185463

Ion Ratio Lower Upper

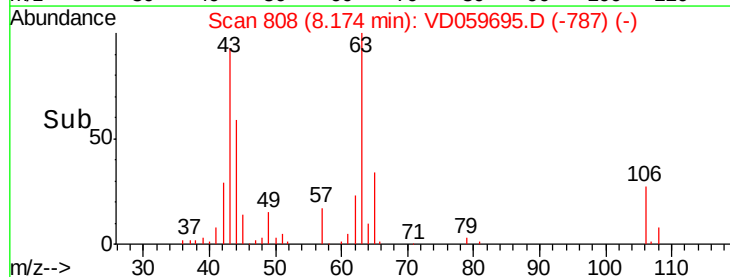
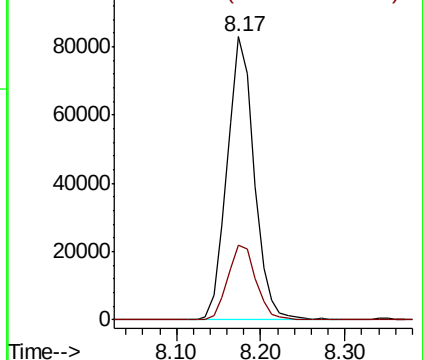
63 100

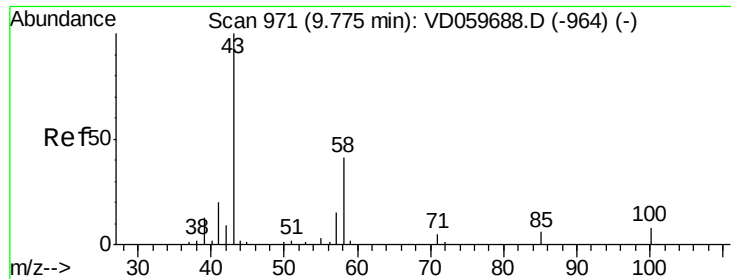
106 26.6 20.7 31.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

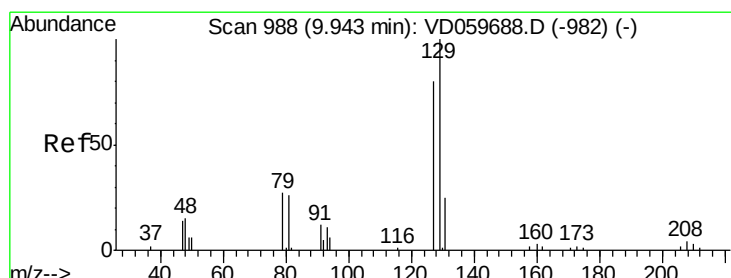
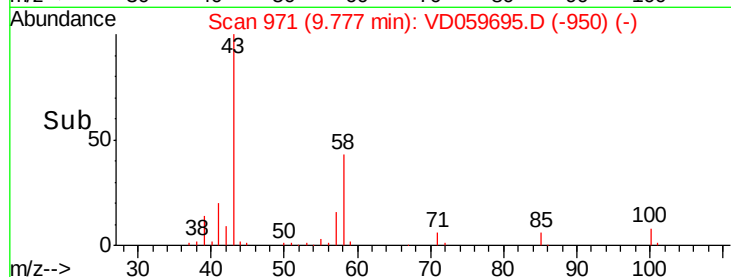
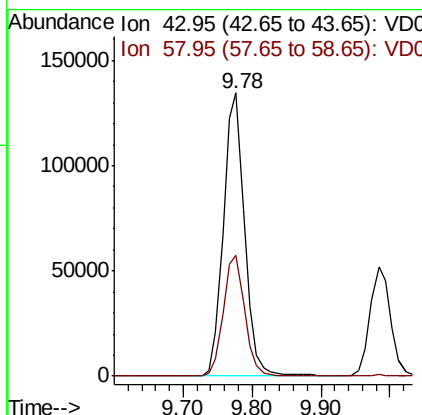
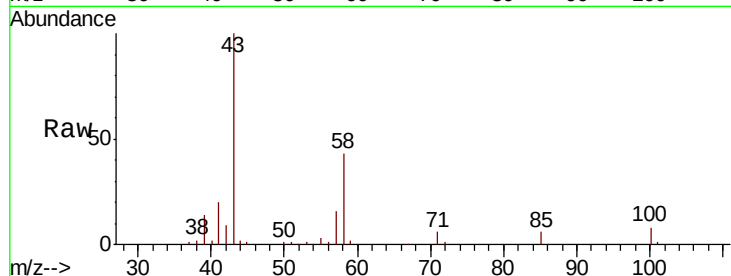




#59
2-Hexanone
Concen: 281.752 ug/l
RT: 9.78 min Scan# 971
Delta R.T. 0.00 min
Lab File: VD059695.D
Acq: 6 Aug 2018 16:01

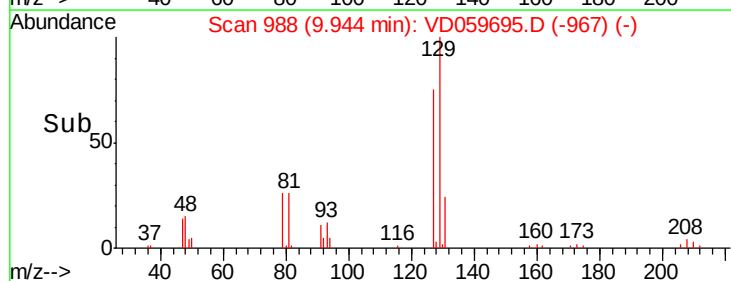
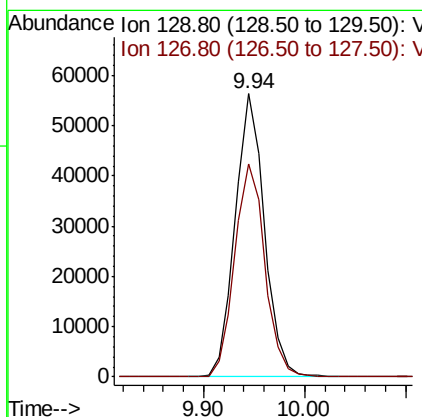
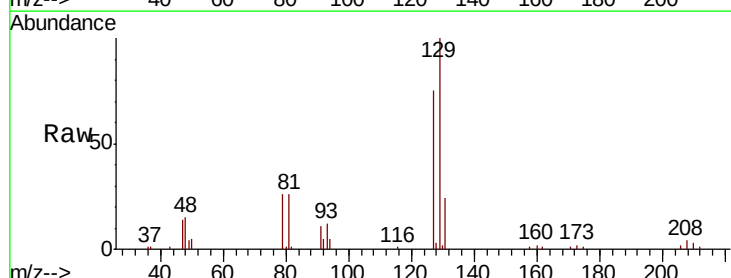
Instrument :
MSVOA_D
ClientSampleId :

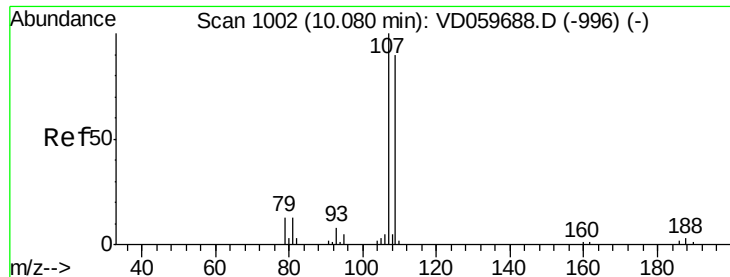
Tot Ion: 43 Resp: 285250
Ion Ratio Lower Upper
43 100
58 42.8 20.4 61.3



#60
Dibromochloromethane
Concen: 51.575 ug/l
RT: 9.94 min Scan# 988
Delta R.T. 0.00 min
Lab File: VD059695.D
Acq: 6 Aug 2018 16:01

Tgt Ion:129 Resp: 113450
Ion Ratio Lower Upper
129 100
127 75.3 40.0 119.9





#61

1,2-Dibromoethane

Concen: 49.991 ug/l

RT: 10.08 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VD059695.D

Acq: 6 Aug 2018 16:01

Instrument :

MSVOA_D

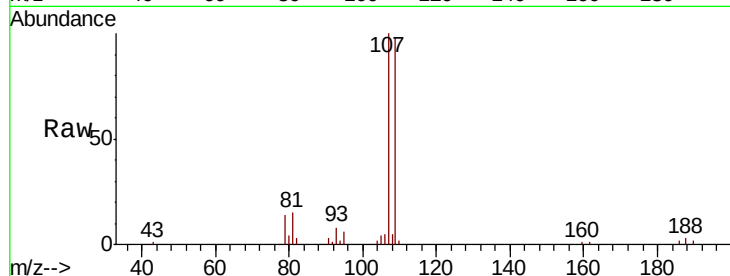
ClientSampleId :

Tot Ion:107 Resp: 79568

Ion Ratio Lower Upper

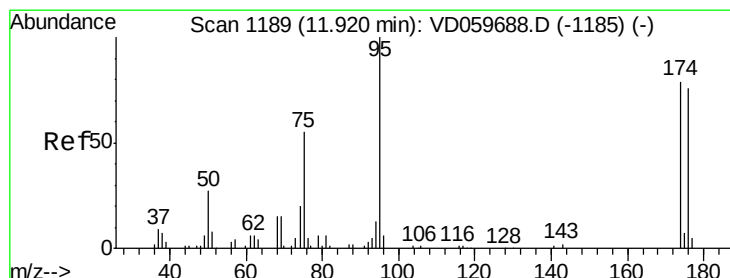
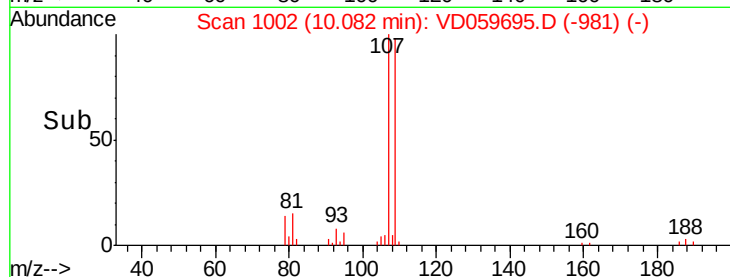
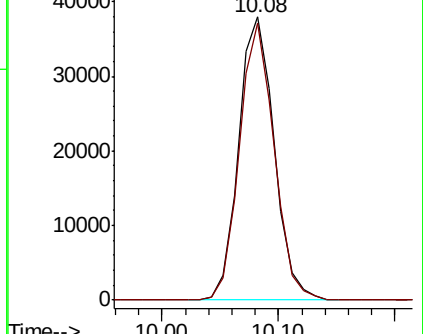
107 100

109 97.8 72.0 108.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 49.991 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD059695.D

Acq: 6 Aug 2018 16:01

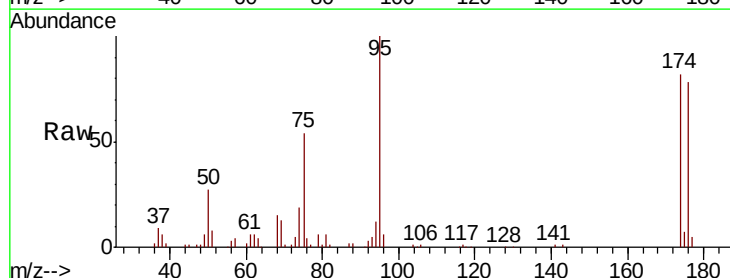
Tgt Ion: 95 Resp: 127749

Ion Ratio Lower Upper

95 100

174 81.5 0.0 158.4

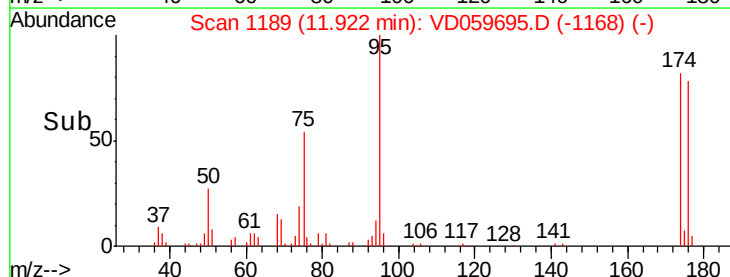
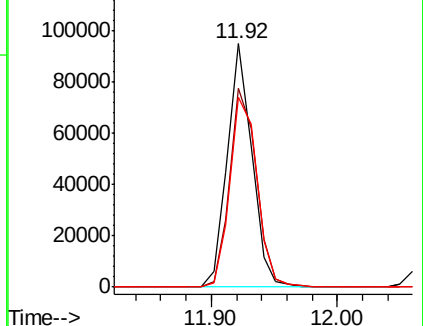
176 78.2 0.0 153.0

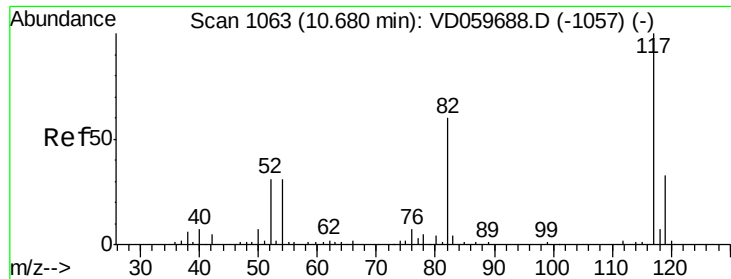


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.68 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VD059695.D

Acq: 6 Aug 2018 16:01

Instrument :

MSVOA_D

ClientSampled :

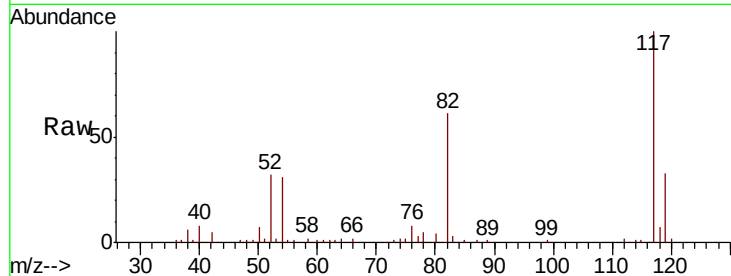
Tot Ion:117 Resp: 214177

Ion Ratio Lower Upper

117 100

82 61.0 47.7 71.5

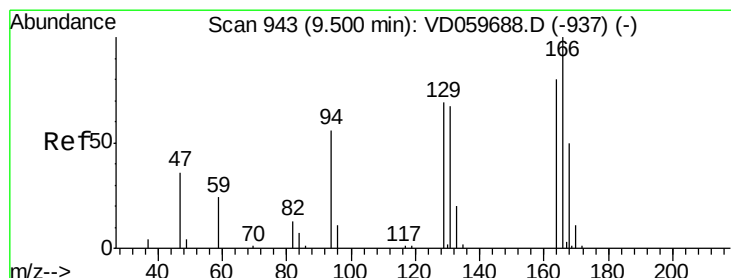
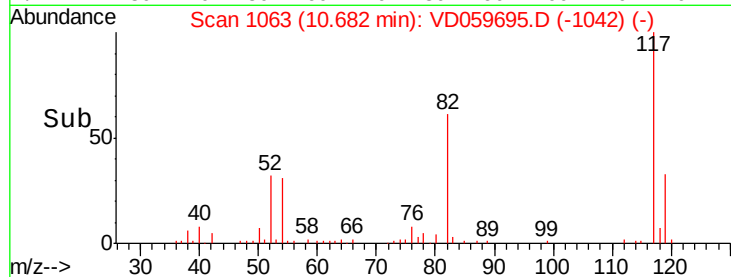
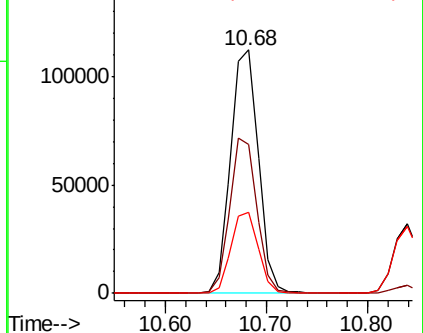
119 33.2 26.6 40.0



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: 48.456 ug/l

RT: 9.50 min Scan# 943

Delta R.T. 0.00 min

Lab File: VD059695.D

Acq: 6 Aug 2018 16:01

Tgt Ion:164 Resp: 98263

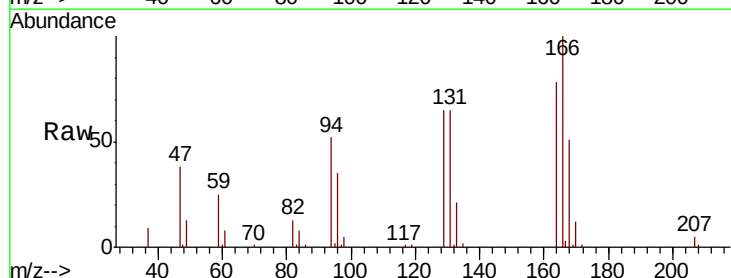
Ion Ratio Lower Upper

164 100

166 128.0 100.5 150.7

129 83.7 69.3 103.9

131 83.4 67.3 100.9

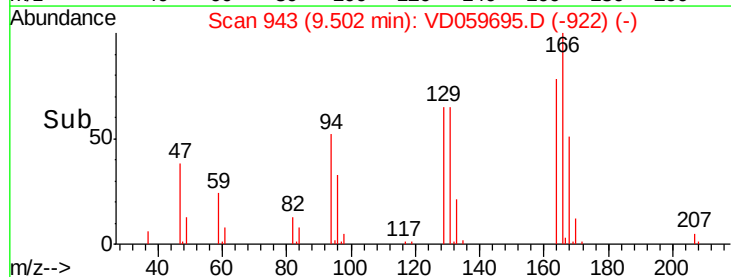
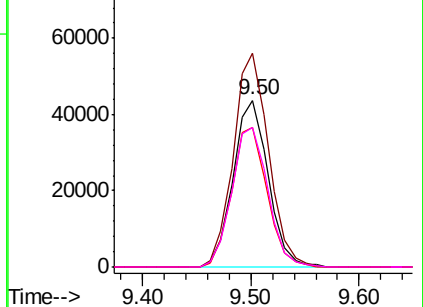


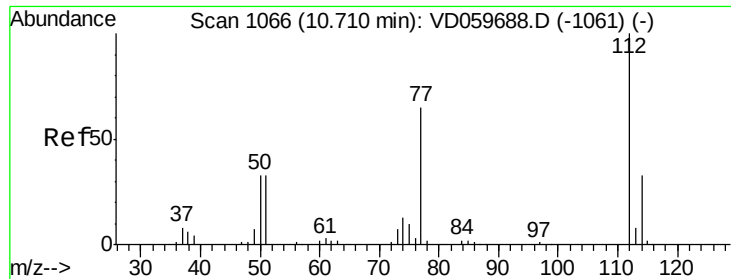
Abundance Ion 163.85 (163.55 to 164.55): V

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

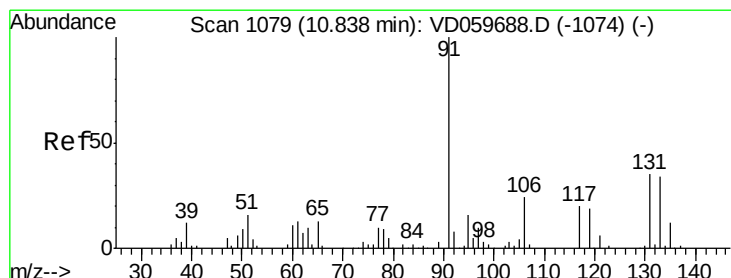
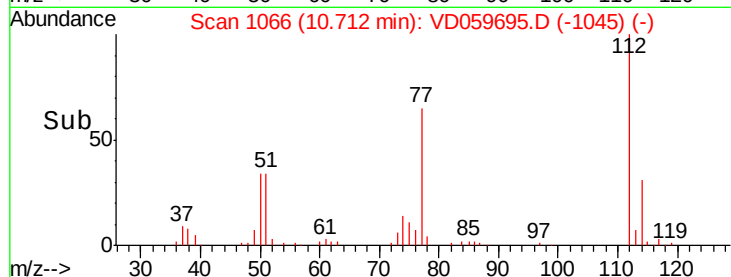
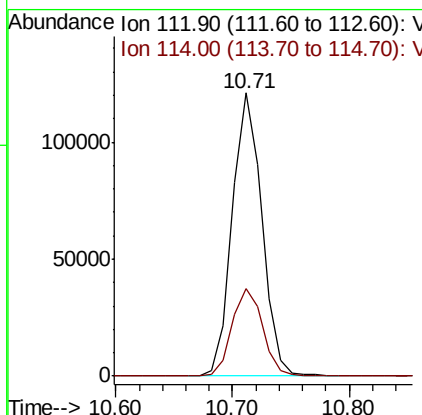
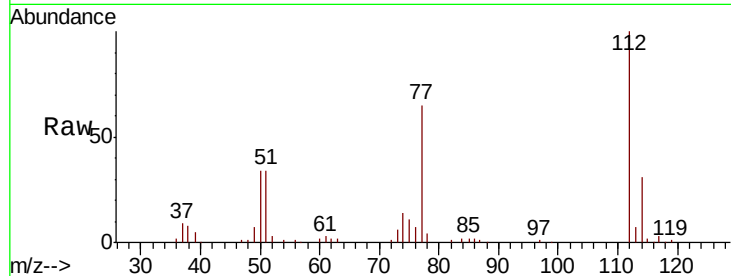




#65
Chlorobenzene
Concen: 47.105 ug/l
RT: 10.71 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VD059695.D
Acq: 6 Aug 2018 16:01

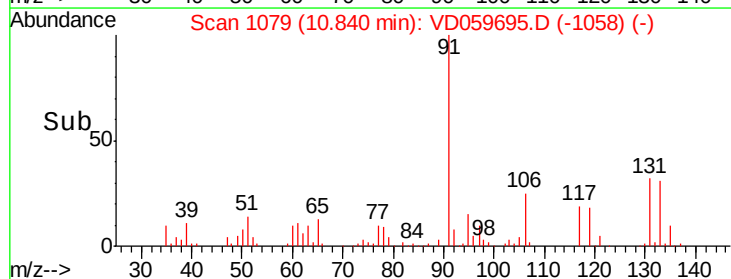
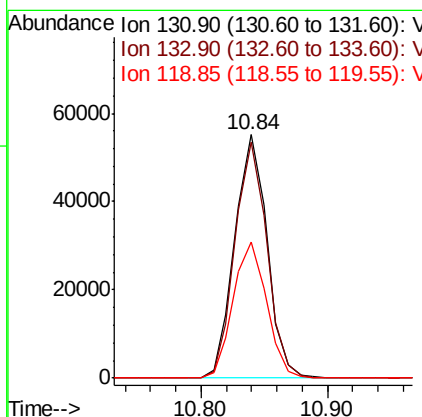
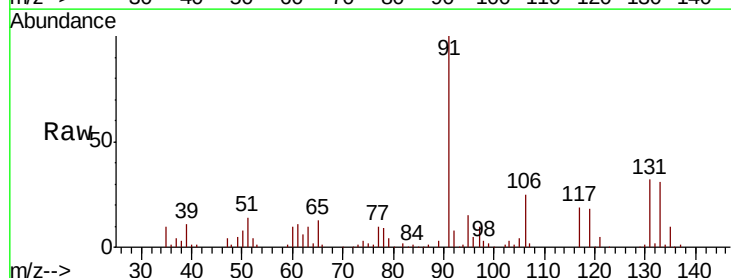
Instrument :
MSVOA_D
ClientSampled :

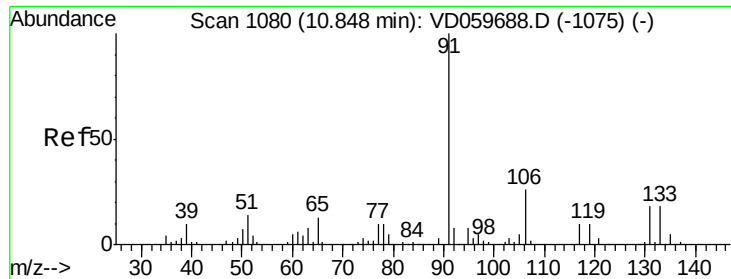
Tot Ion:112 Resp: 212601
Ion Ratio Lower Upper
112 100
114 30.8 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 49.522 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VD059695.D
Acq: 6 Aug 2018 16:01

Tgt Ion:131 Resp: 97987
Ion Ratio Lower Upper
131 100
133 96.9 49.7 149.1
119 55.7 27.0 80.8

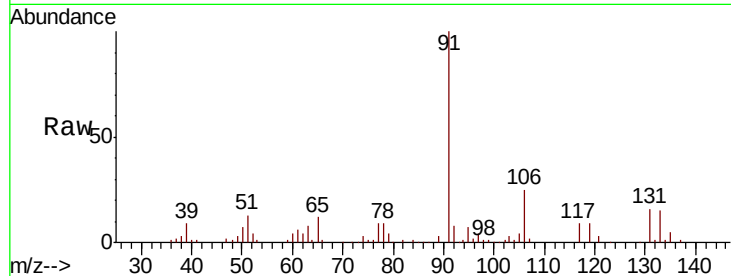




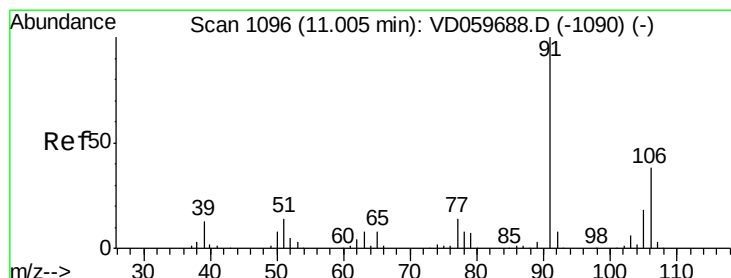
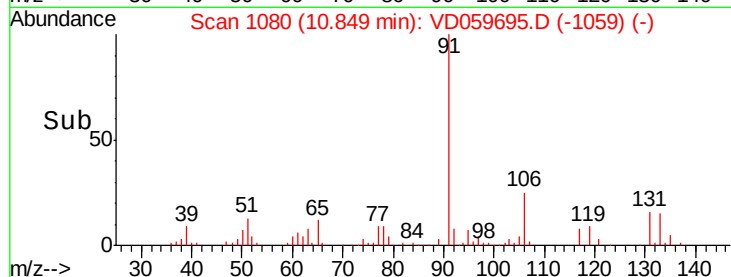
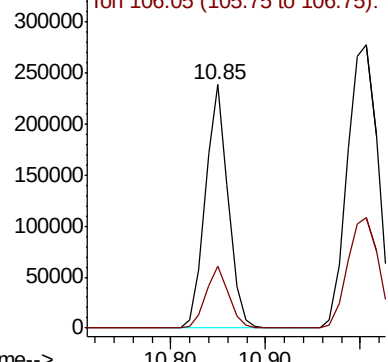
#67
Ethyl Benzene
Concen: 48.515 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VD059695.D
Acq: 6 Aug 2018 16:01

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 394345
Ion Ratio Lower Upper
91 100
106 25.5 20.9 31.3

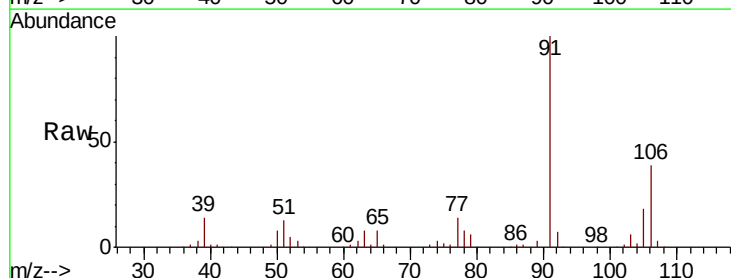


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

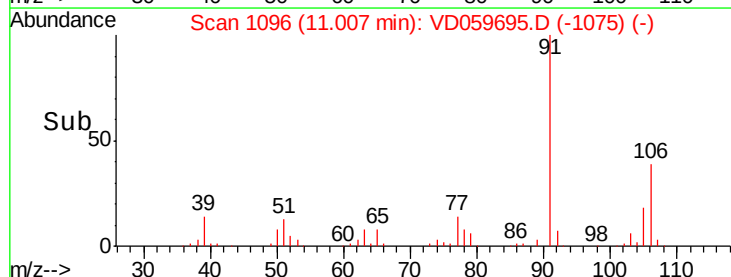
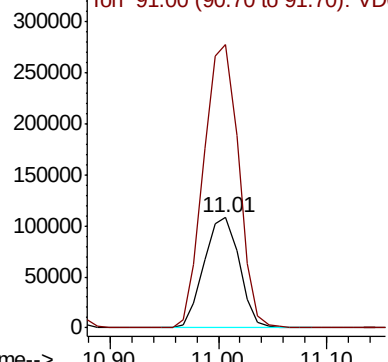


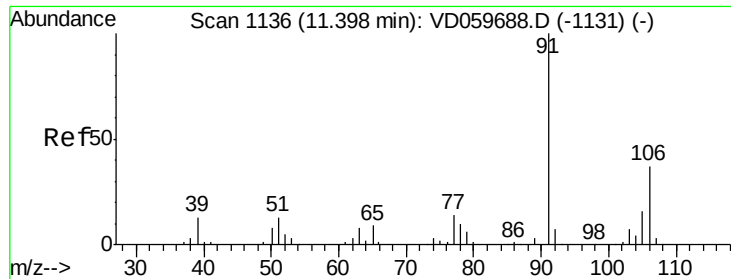
#68
m/p-Xylenes
Concen: 94.098 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VD059695.D
Acq: 6 Aug 2018 16:01

Tgt Ion: 106 Resp: 244677
Ion Ratio Lower Upper
106 100
91 257.0 209.7 314.5



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

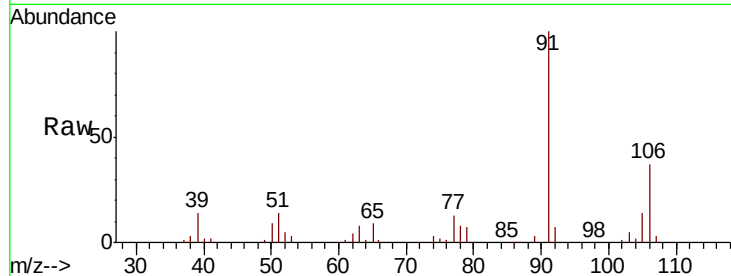




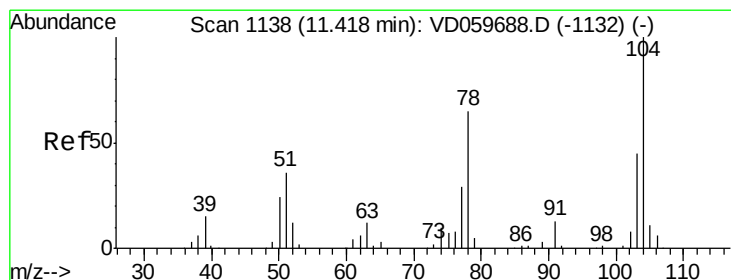
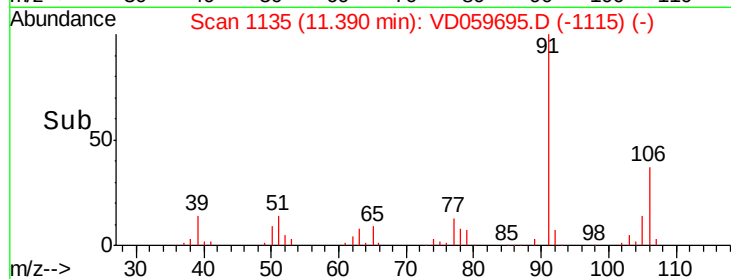
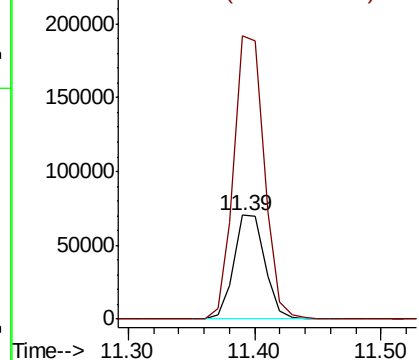
#69
o-Xylene
Concen: 47.185 ug/l
RT: 11.39 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VD059695.D
Acq: 6 Aug 2018 16:01

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 119276
Ion Ratio Lower Upper
106 100
91 272.1 135.2 405.6

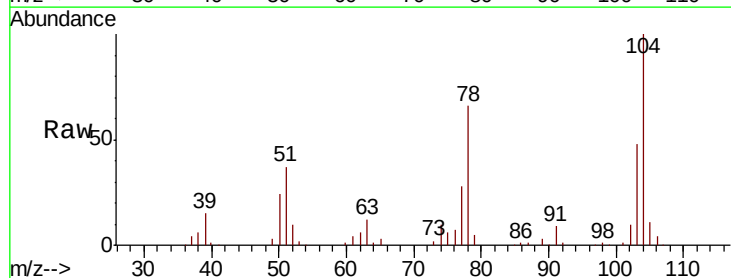


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

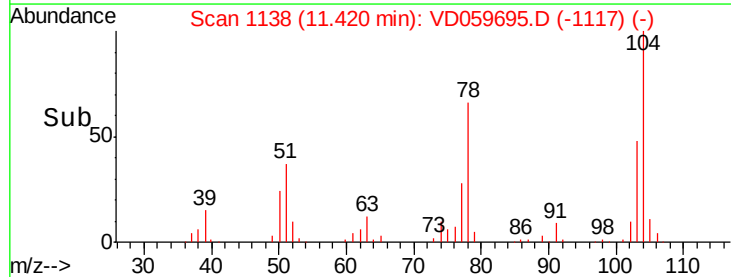
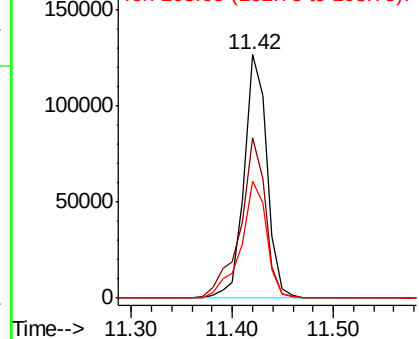


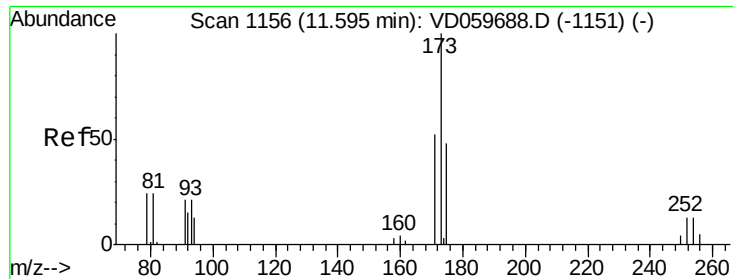
#70
Styrene
Concen: 46.872 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VD059695.D
Acq: 6 Aug 2018 16:01

Tgt Ion:104 Resp: 198883
Ion Ratio Lower Upper
104 100
78 66.1 51.9 77.9
103 48.2 36.2 54.4



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: 52.513 ug/l

RT: 11.60 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VD059695.D

Acq: 6 Aug 2018 16:01

Instrument :

MSVOA_D

ClientSampleId :

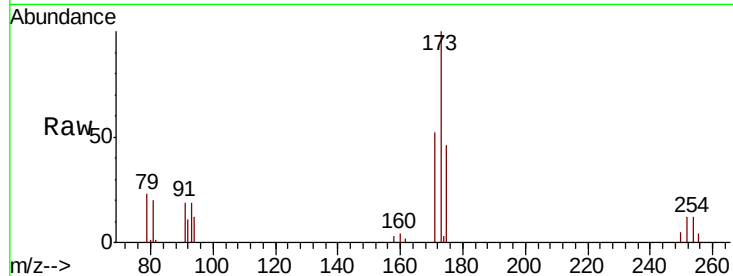
Tot Ion:173 Resp: 78282

Ion Ratio Lower Upper

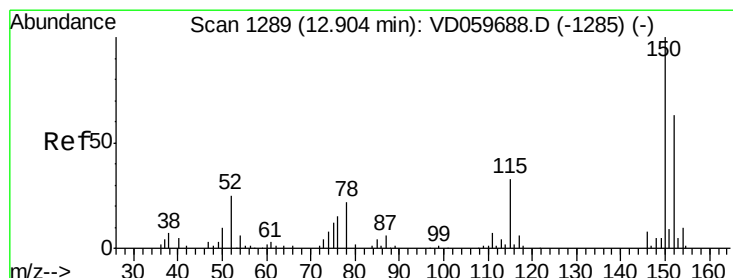
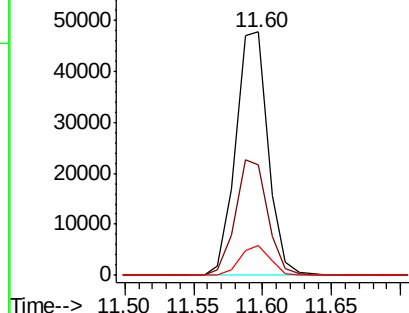
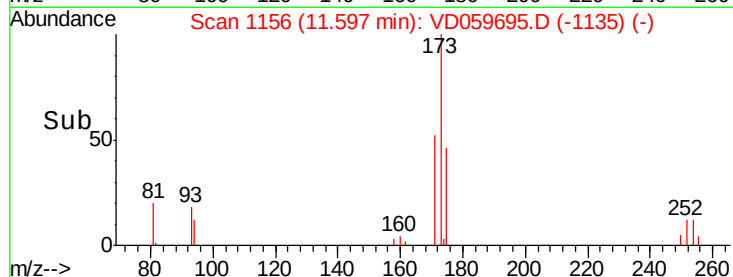
173 100

175 45.5 24.1 72.4

254 12.5 10.6 16.0



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: 12.90 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD059695.D

Acq: 6 Aug 2018 16:01

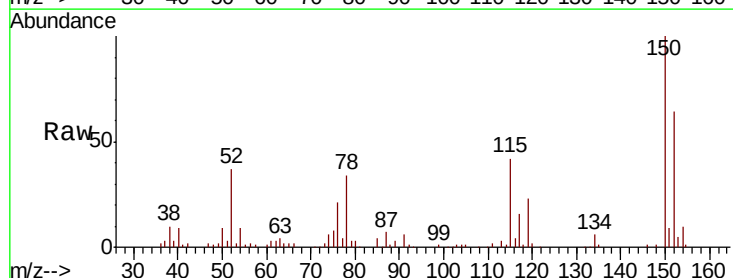
Tgt Ion:152 Resp: 118503

Ion Ratio Lower Upper

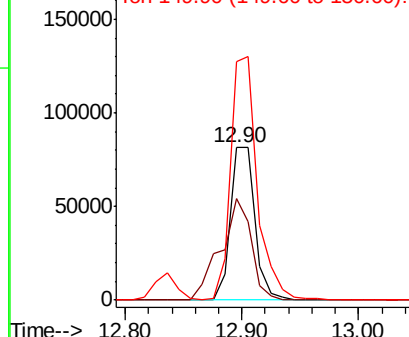
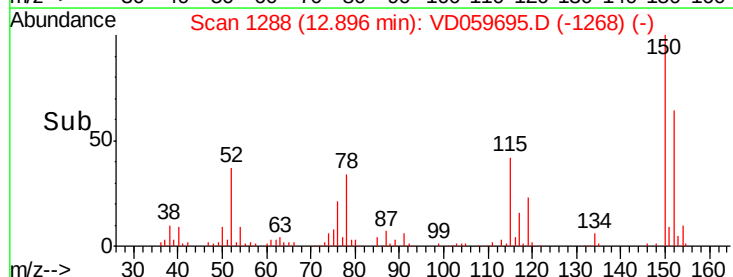
152 100

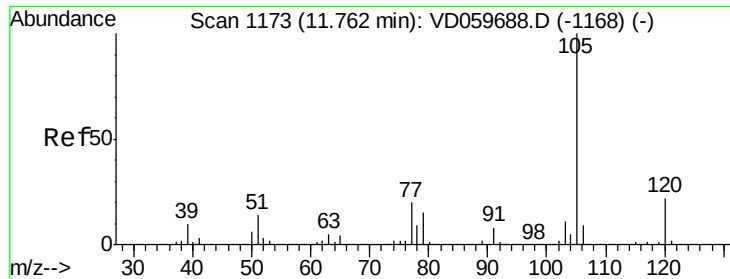
115 66.5 28.8 86.4

150 156.5 0.0 318.0



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: 46.150 ug/l

RT: 11.76 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VD059695.D

Acq: 6 Aug 2018 16:01

Instrument :

MSVOA_D

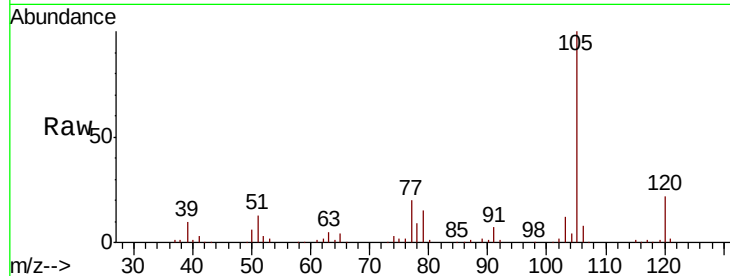
ClientSampleId :

Tot Ion:105 Resp: 367540

Ion Ratio Lower Upper

105 100

120 22.3 10.8 32.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.76

250000

200000

150000

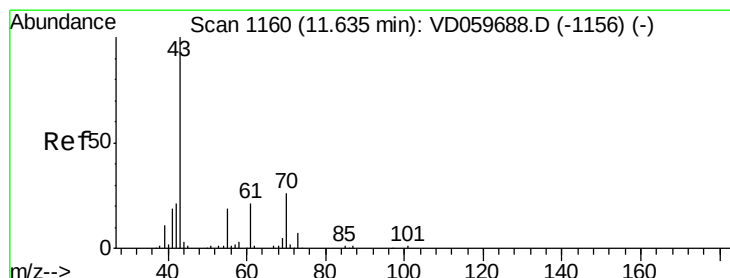
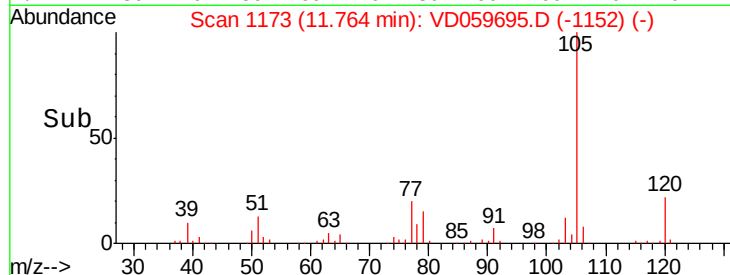
100000

50000

0

Time-->

11.70 11.80 11.90



#74

N-ethyl acetate

Concen: 49.684 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VD059695.D

Acq: 6 Aug 2018 16:01

Tgt Ion: 43 Resp: 126587

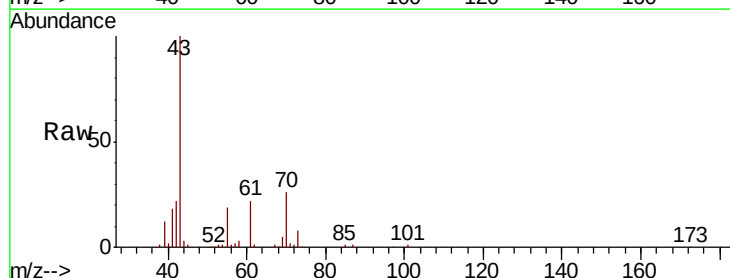
Ion Ratio Lower Upper

43 100

70 25.5 21.0 31.6

55 18.7 15.4 23.2

61 21.8 16.8 25.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

11.64

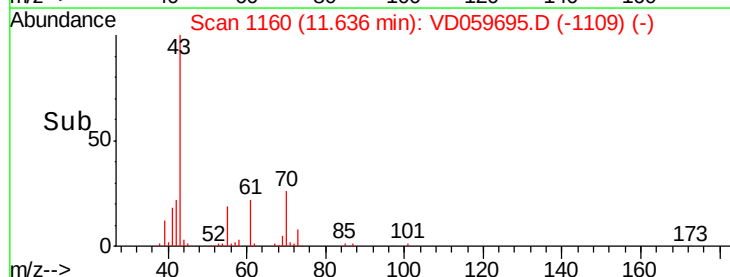
100000

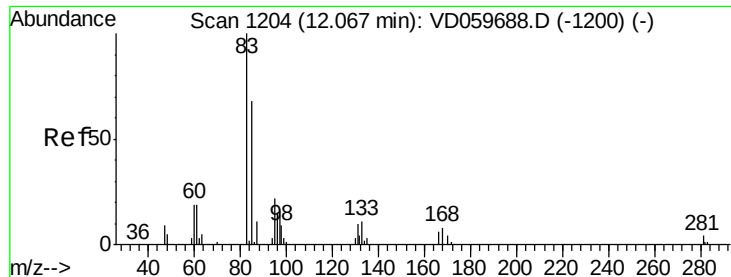
50000

0

Time-->

11.60 11.70





#75

1,1,2,2-Tetrachloroethane

Concen: 47.910 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD059695.D

Acq: 6 Aug 2018 16:01

Instrument :

MSVOA_D

ClientSampleId :

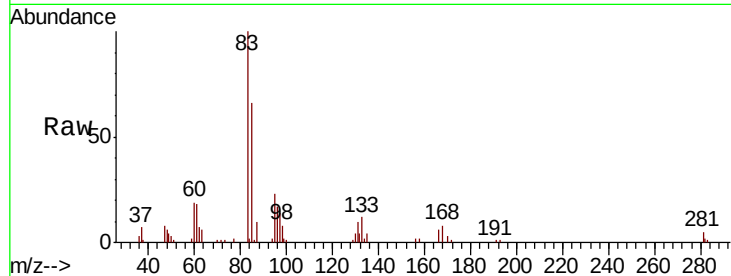
Tot Ion: 83 Resp: 76565

Ion Ratio Lower Upper

83 100

131 10.4 5.3 15.9

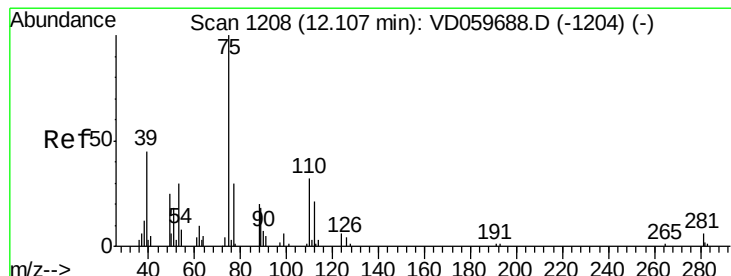
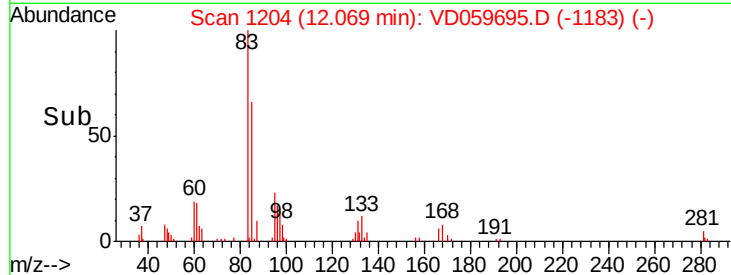
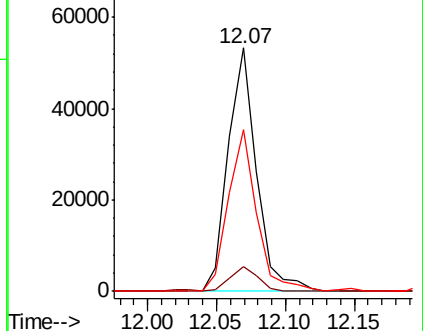
85 66.2 34.1 102.2



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: 49.461 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VD059695.D

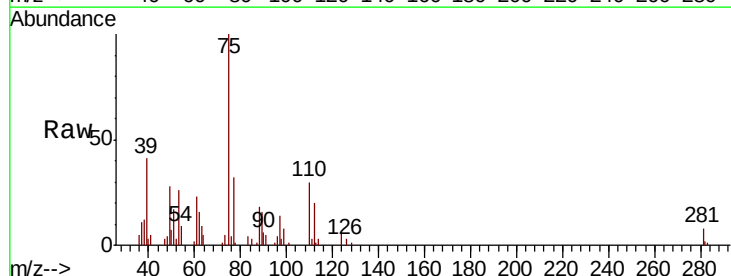
Acq: 6 Aug 2018 16:01

Tgt Ion: 75 Resp: 90607

Ion Ratio Lower Upper

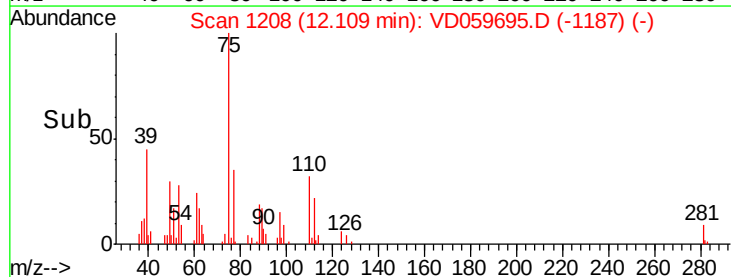
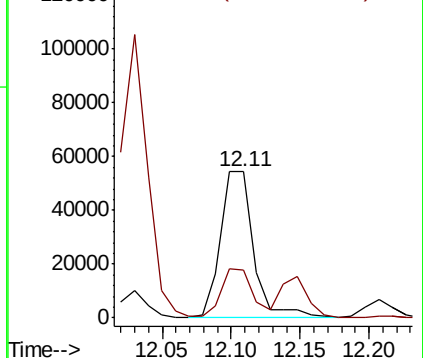
75 100

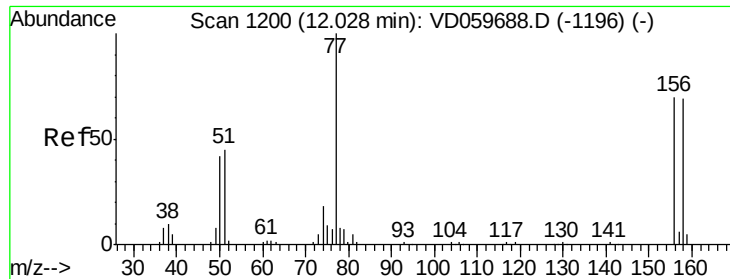
77 32.3 15.5 46.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 47.140 ug/l

RT: 12.03 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD059695.D

Acq: 6 Aug 2018 16:01

Instrument :

MSVOA_D

ClientSampleId :

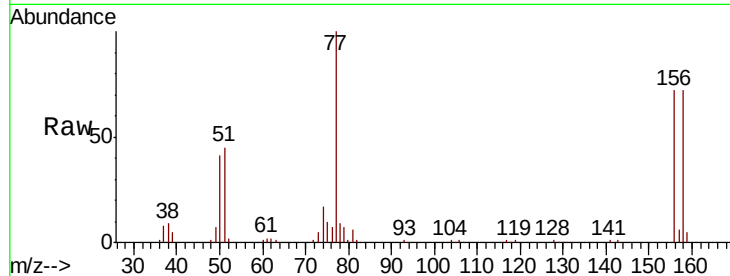
Tot Ion:156 Resp: 109424

Ion Ratio Lower Upper

156 100

77 138.2 71.2 213.6

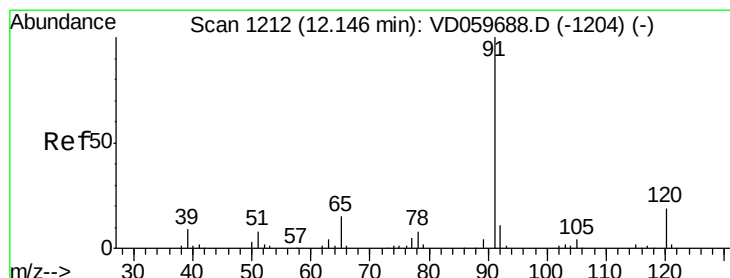
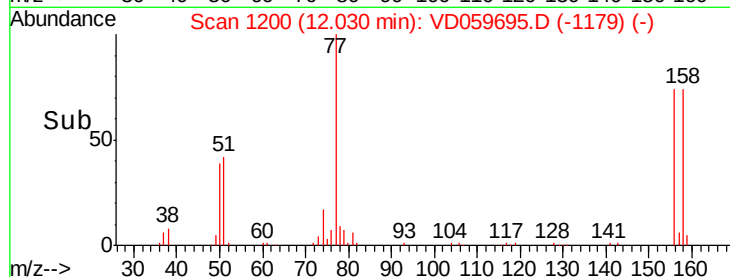
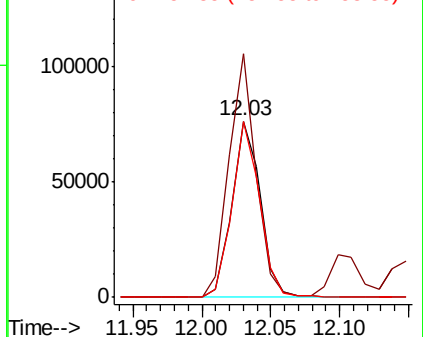
158 99.6 49.1 147.3



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: 47.915 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VD059695.D

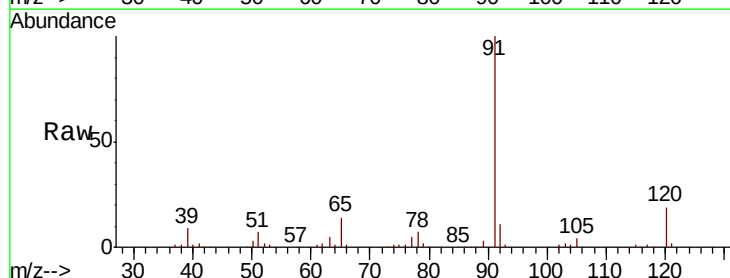
Acq: 6 Aug 2018 16:01

Tgt Ion: 91 Resp: 472889

Ion Ratio Lower Upper

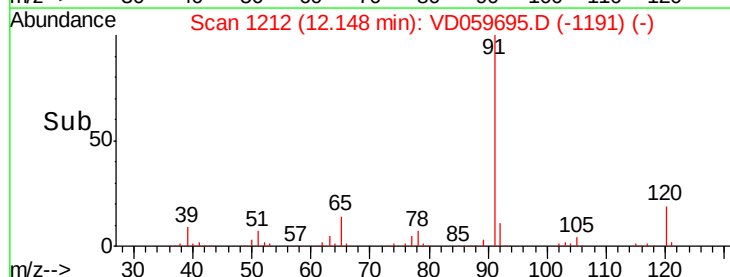
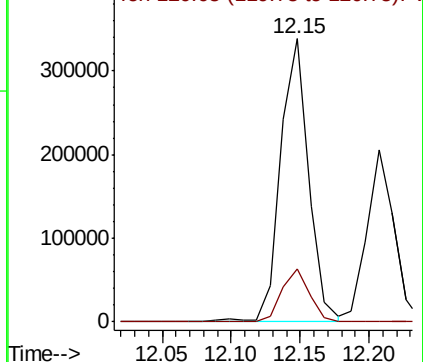
91 100

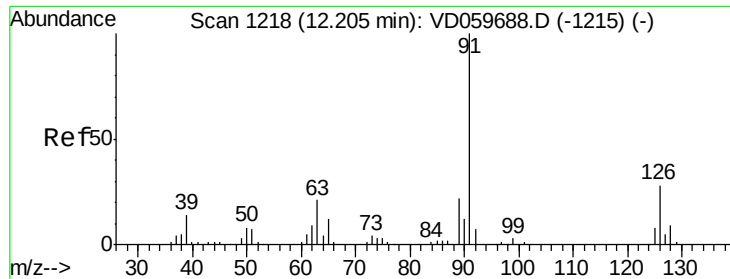
120 18.9 9.5 28.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

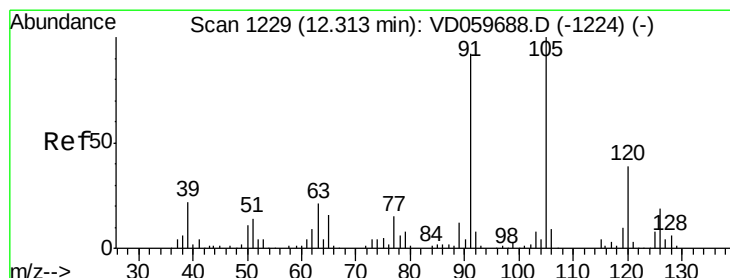
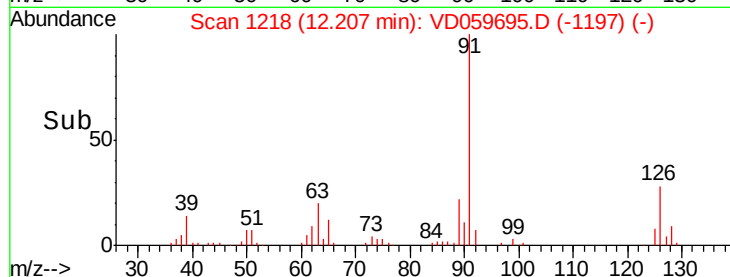
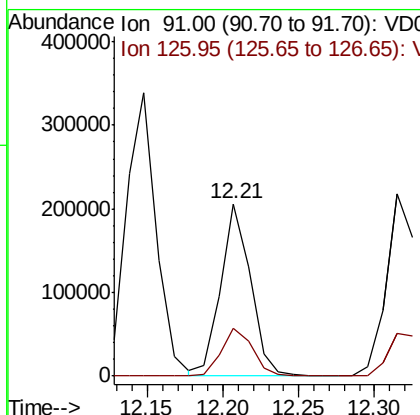
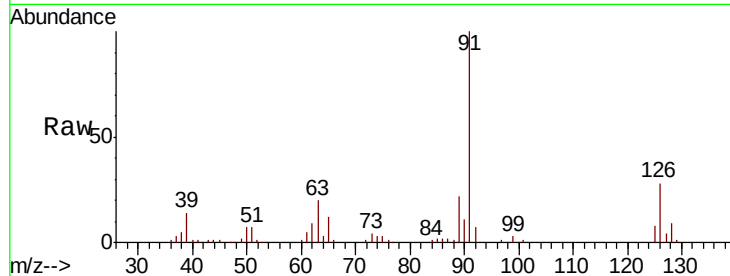




#79
 2-Chlorotoluene
 Concen: 47.337 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VD059695.D
 Acq: 6 Aug 2018 16:01

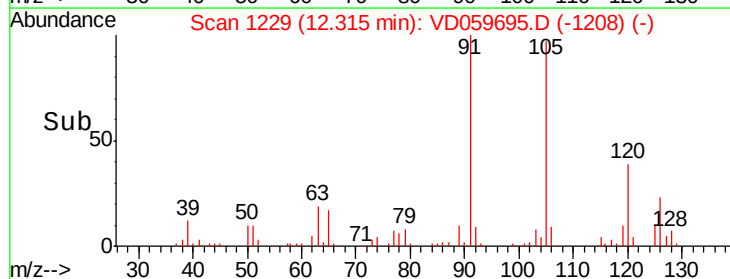
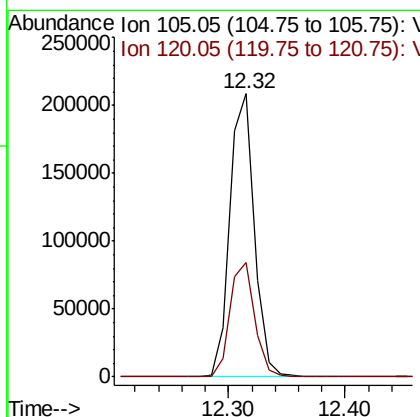
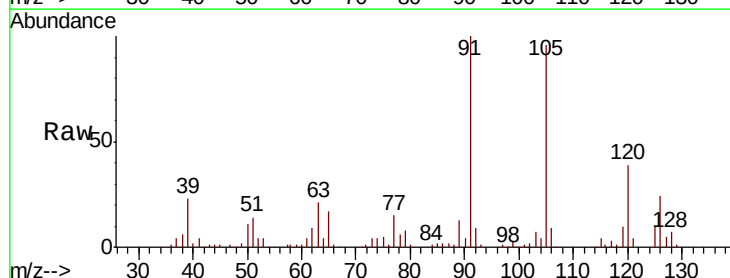
Instrument :
 MSVOA_D
 ClientSampleId :

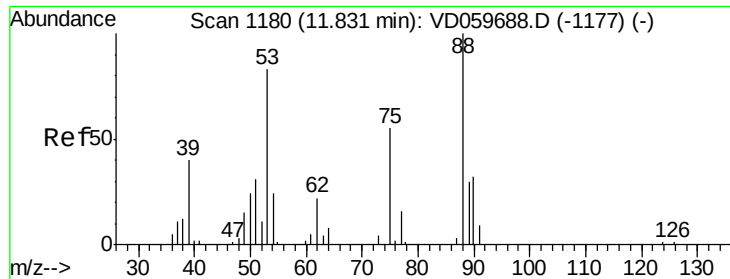
Tot Ion: 91 Resp: 282146
 Ion Ratio Lower Upper
 91 100
 126 28.0 13.7 41.0



#80
 1,3,5-Trimethylbenzene
 Concen: 45.658 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD059695.D
 Acq: 6 Aug 2018 16:01

Tgt Ion: 105 Resp: 302890
 Ion Ratio Lower Upper
 105 100
 120 40.3 19.7 59.1





#81

trans-1,4-Dichloro-2-butene

Concen: 53.244 ug/l

RT: 11.83 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD059695.D

Acq: 6 Aug 2018 16:01

Instrument :

MSVOA_D

ClientSampleId :

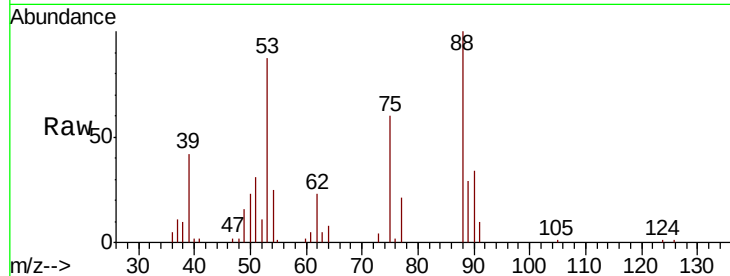
Tot Ion: 75 Resp: 23804

Ion Ratio Lower Upper

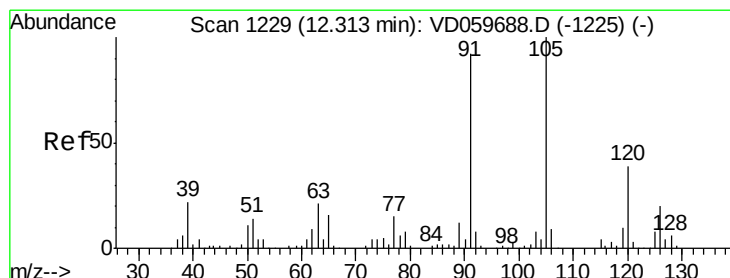
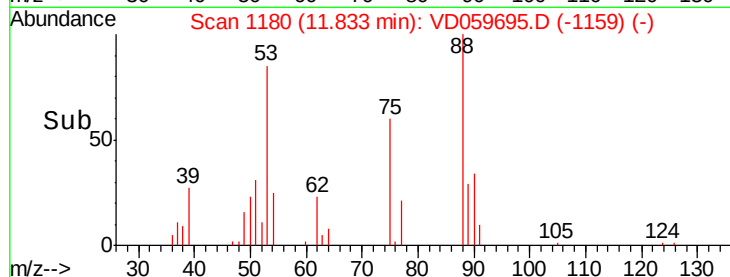
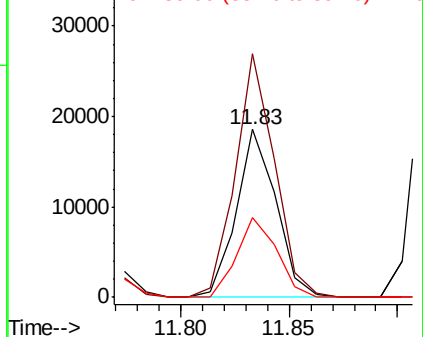
75 100

53 144.9 120.5 180.7

89 47.7 44.4 66.6



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



#82

4-Chlorotoluene

Concen: 43.561 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VD059695.D

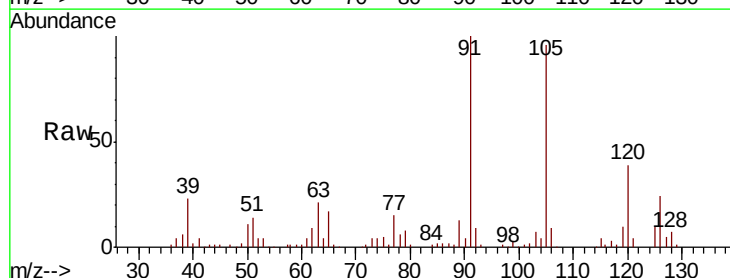
Acq: 6 Aug 2018 16:01

Tgt Ion: 91 Resp: 303946

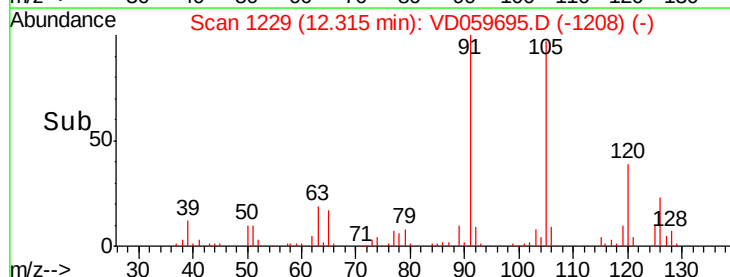
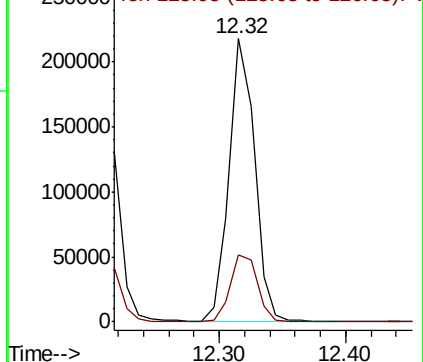
Ion Ratio Lower Upper

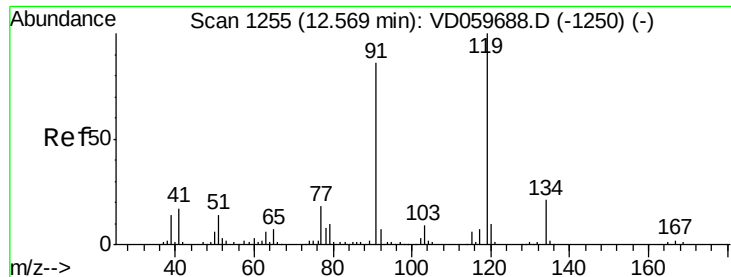
91 100

126 23.8 10.7 31.9



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

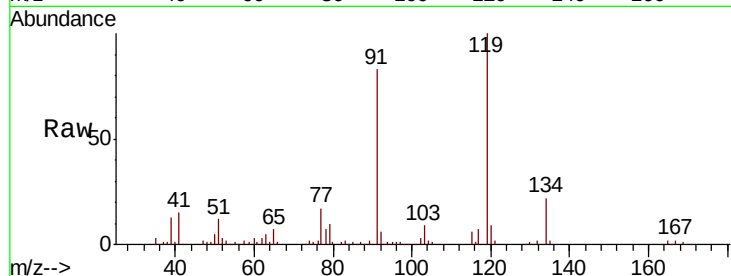




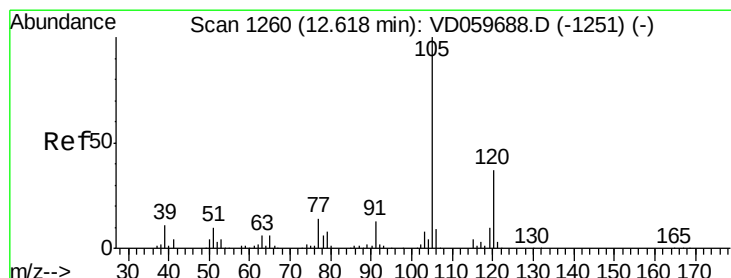
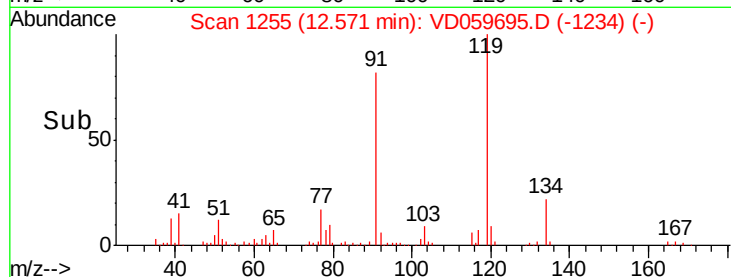
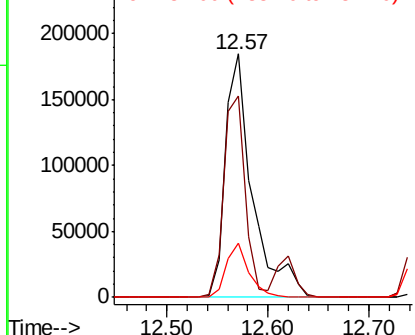
#83
 tert-Butylbenzene
 Concen: 46.629 ug/l
 RT: 12.57 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VD059695.D
 Acq: 6 Aug 2018 16:01

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:119 Resp: 346228
 Ion Ratio Lower Upper
 119 100
 91 82.6 43.3 129.9
 134 22.0 10.5 31.6

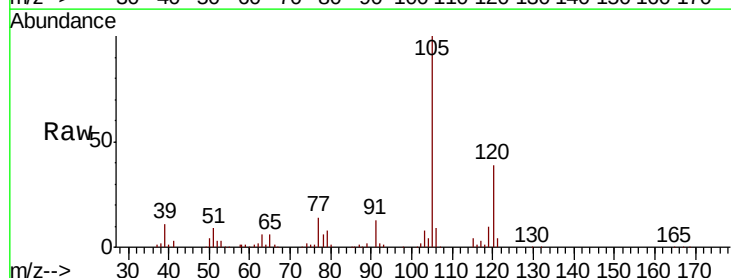


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

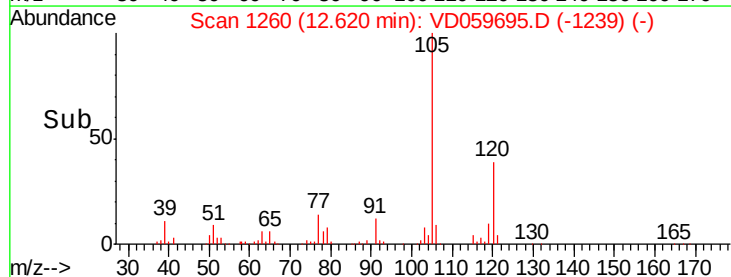
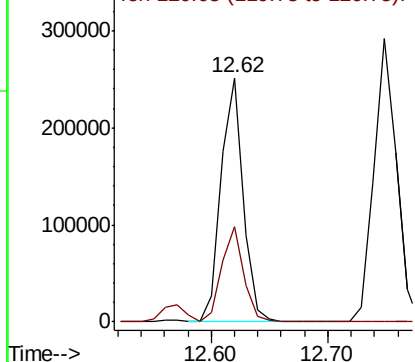


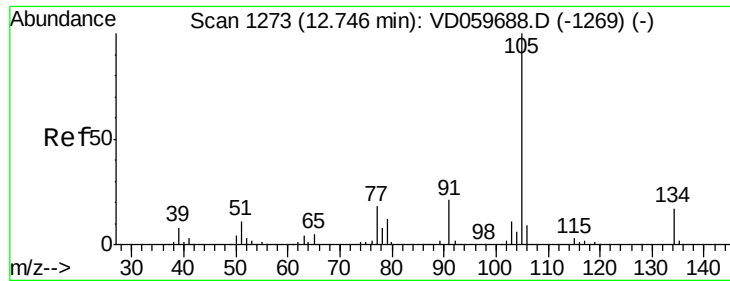
#84
 1,2,4-Trimethylbenzene
 Concen: 46.826 ug/l
 RT: 12.62 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VD059695.D
 Acq: 6 Aug 2018 16:01

Tgt Ion:105 Resp: 329202
 Ion Ratio Lower Upper
 105 100
 120 39.2 18.7 56.1



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

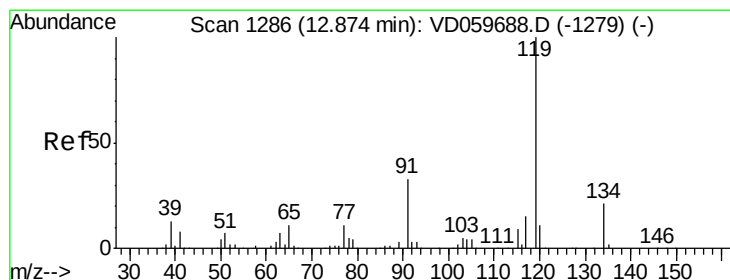
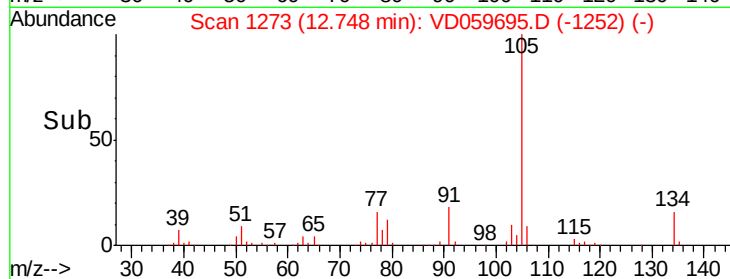
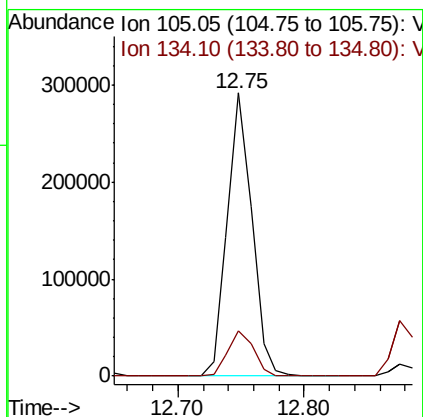
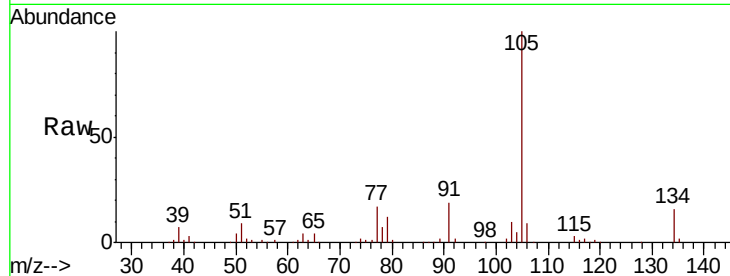




#85
 sec-Butylbenzene
 Concen: 47.860 ug/l
 RT: 12.75 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VD059695.D
 Acq: 6 Aug 2018 16:01

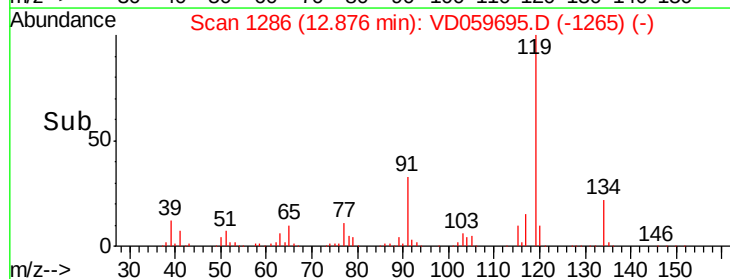
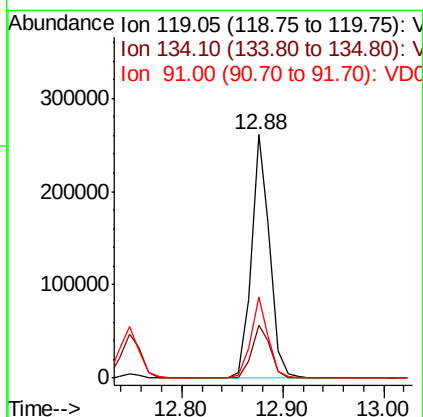
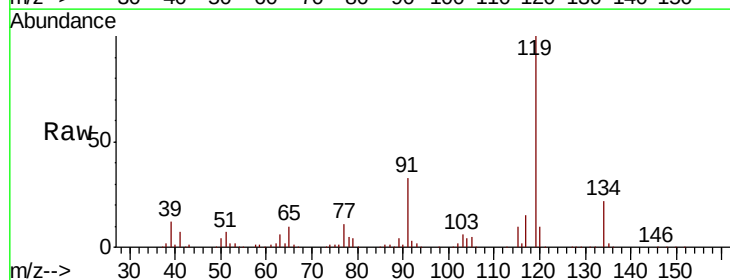
Instrument :
 MSVOA_D
 ClientSampled :

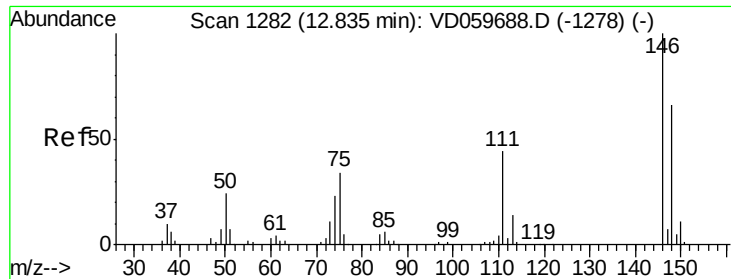
Tot Ion:105 Resp: 394644
 Ion Ratio Lower Upper
 105 100
 134 16.0 8.3 24.9



#86
 p-Isopropyltoluene
 Concen: 46.903 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VD059695.D
 Acq: 6 Aug 2018 16:01

Tgt Ion:119 Resp: 329821
 Ion Ratio Lower Upper
 119 100
 134 21.8 10.7 32.1
 91 33.2 16.6 49.7

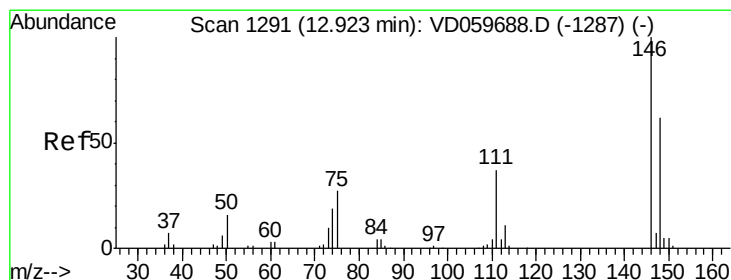
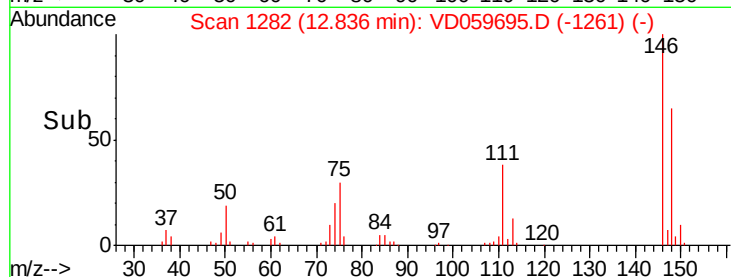
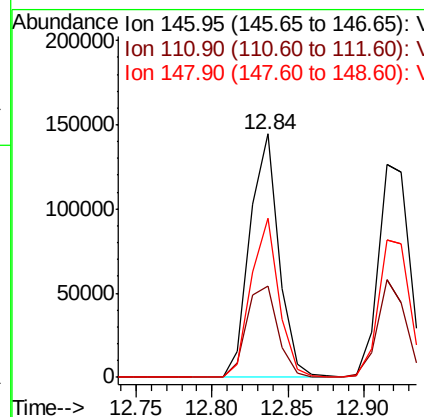
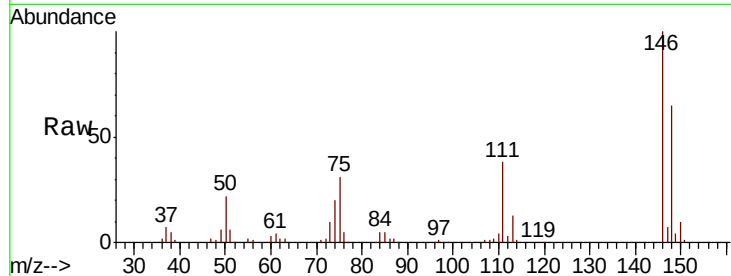




#87
 1,3-Dichlorobenzene
 Concen: 48.063 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD059695.D
 Acq: 6 Aug 2018 16:01

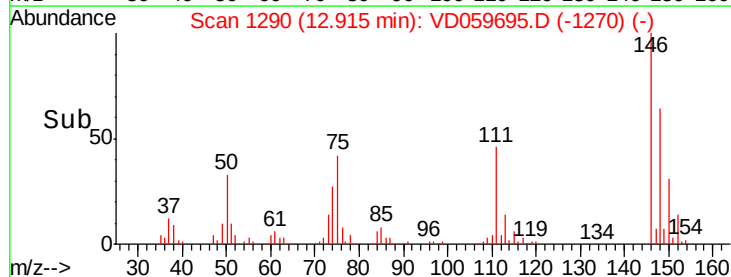
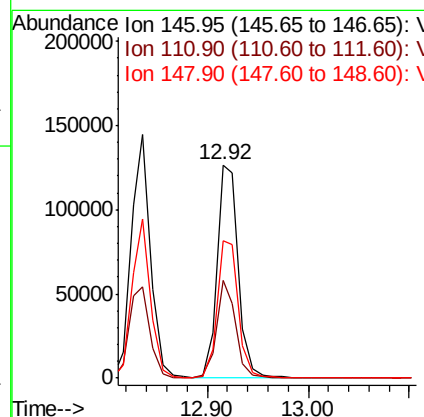
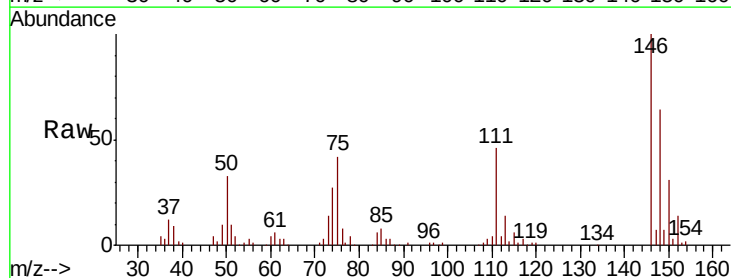
Instrument :
 MSVOA_D
 ClientSampleId :

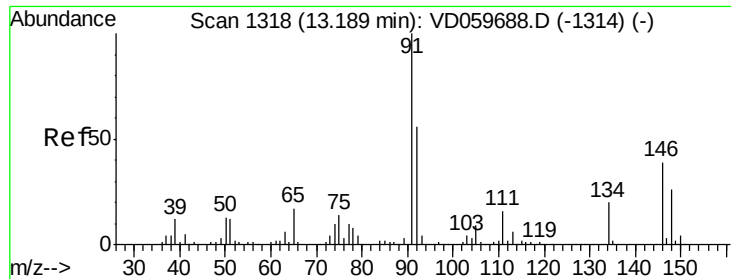
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	21.8	65.4
148	65.2	33.1	99.2



#88
 1,4-Dichlorobenzene
 Concen: 46.736 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD059695.D
 Acq: 6 Aug 2018 16:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.9	18.6	55.8
148	64.4	31.2	93.6

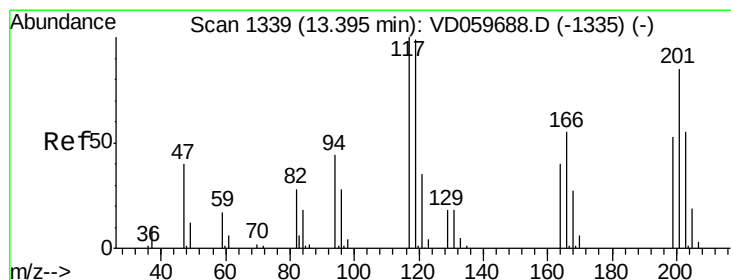
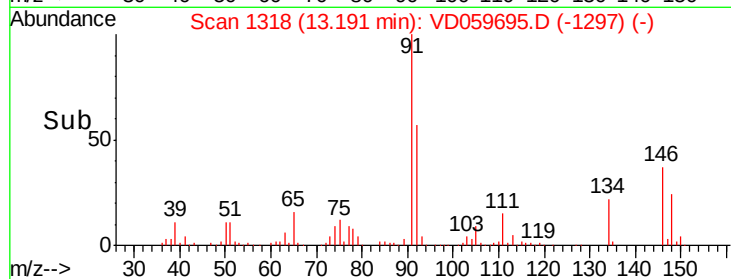
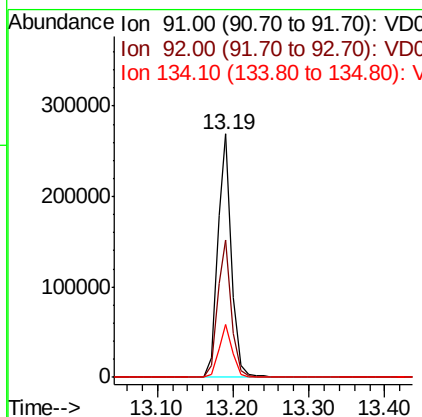
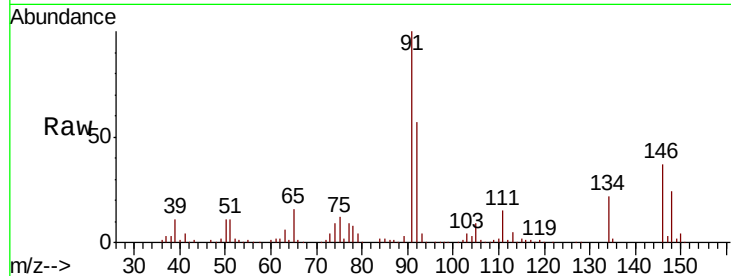




#89
n-Butylbenzene
Concen: 48.451 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD059695.D
Acq: 6 Aug 2018 16:01

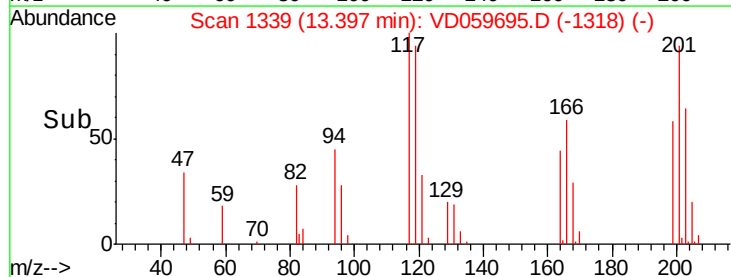
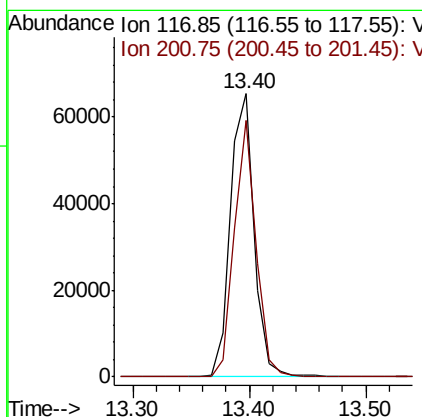
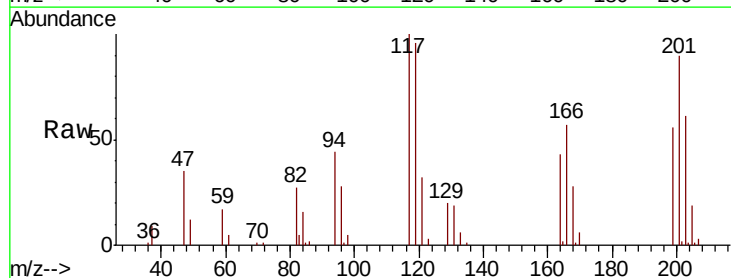
Instrument :
MSVOA_D
ClientSampleId :

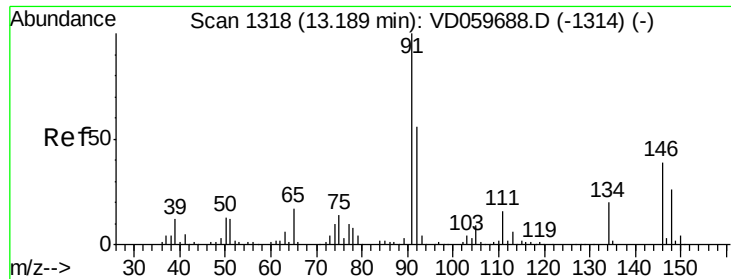
Tot Ion: 91 Resp: 345458
Ion Ratio Lower Upper
91 100
92 56.5 28.2 84.6
134 21.6 9.8 29.5



#90
Hexachloroethane
Concen: 50.448 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VD059695.D
Acq: 6 Aug 2018 16:01

Tgt Ion: 117 Resp: 91944
Ion Ratio Lower Upper
117 100
201 90.5 42.4 127.1

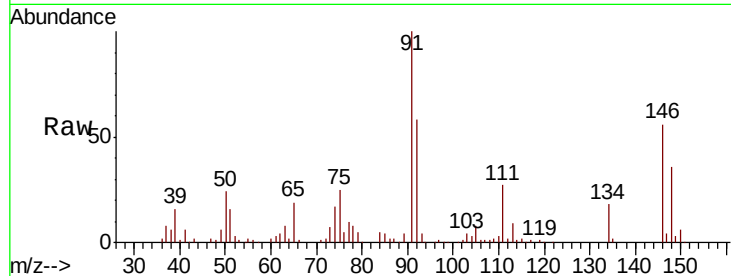




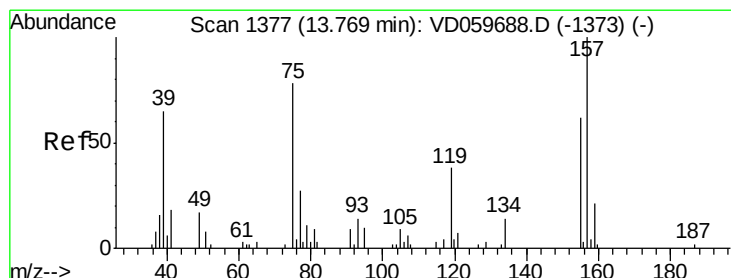
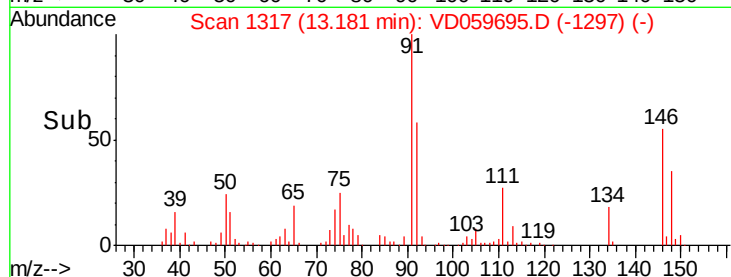
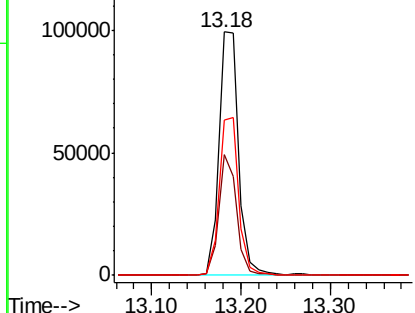
#91
 1,2-Dichlorobenzene
 Concen: 45.656 ug/l
 RT: 13.18 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: VD059695.D
 Acq: 6 Aug 2018 16:01

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:146 Resp: 154043
 Ion Ratio Lower Upper
 146 100
 111 49.4 20.8 62.2
 148 64.0 33.4 100.2

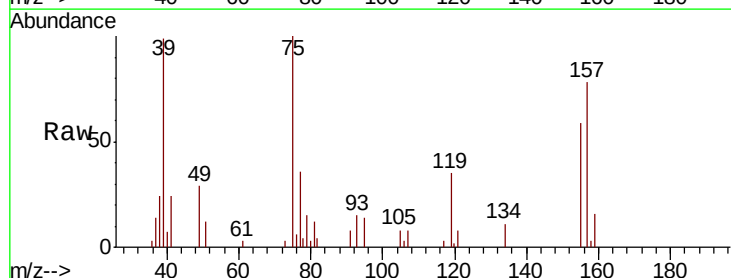


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

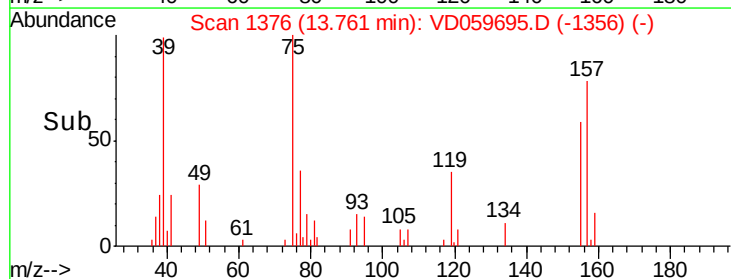
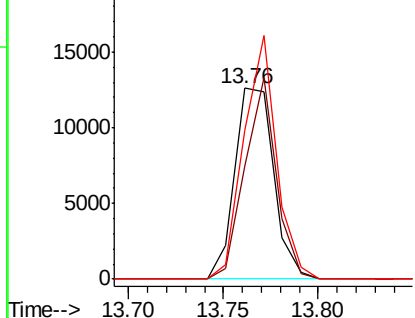


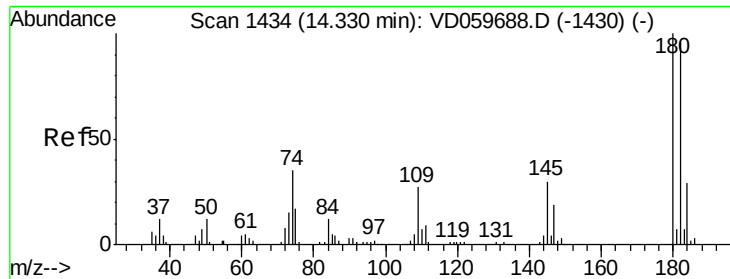
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.780 ug/l
 RT: 13.76 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VD059695.D
 Acq: 6 Aug 2018 16:01

Tgt Ion: 75 Resp: 17951
 Ion Ratio Lower Upper
 75 100
 155 59.0 40.0 119.9
 157 77.7 64.3 192.7



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

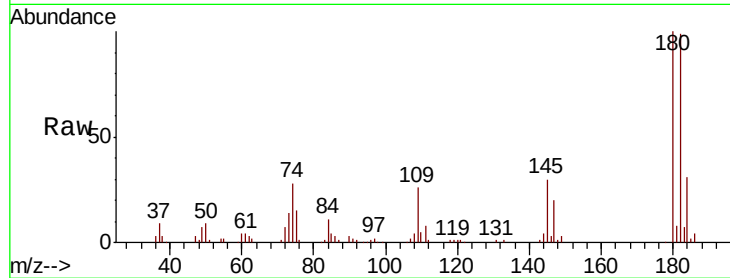




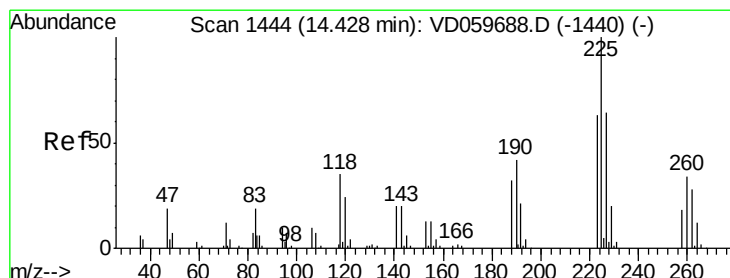
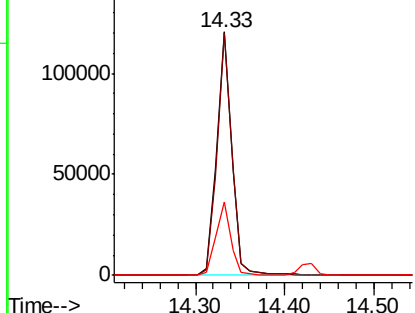
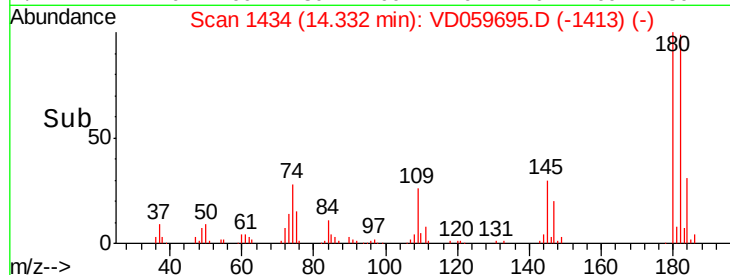
#93
 1,2,4-Trichlorobenzene
 Concen: 46.976 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD059695.D
 Acq: 6 Aug 2018 16:01

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 142579
 Ion Ratio Lower Upper
 180 100
 182 99.4 48.0 144.0
 145 30.2 14.8 44.4

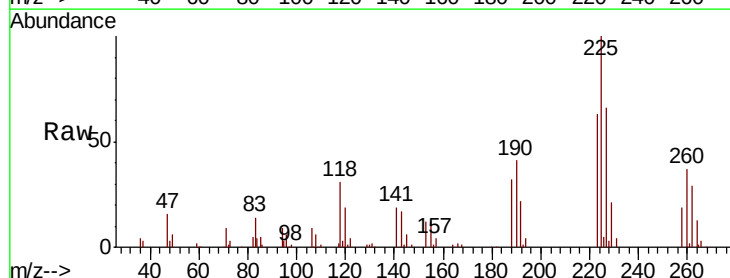


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

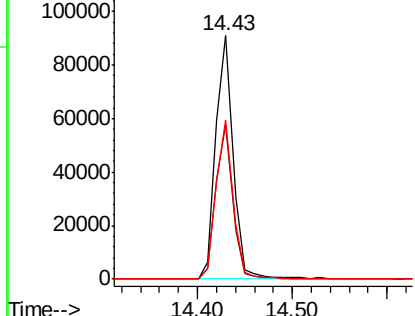
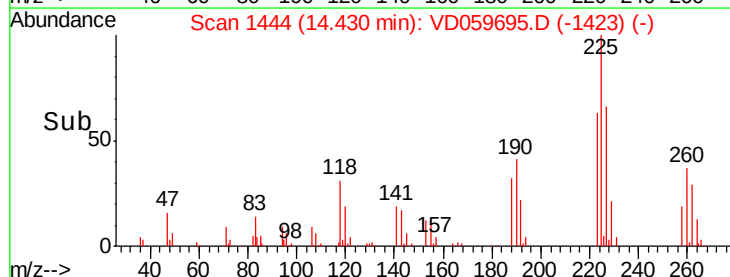


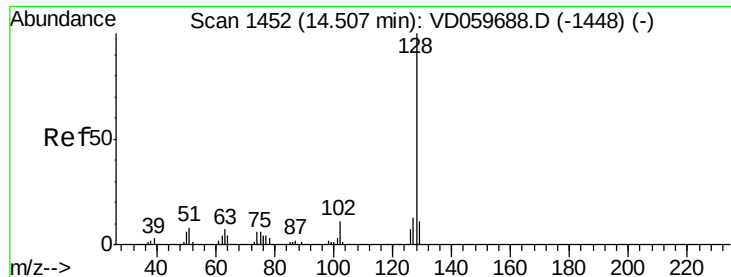
#94
 Hexachlorobutadiene
 Concen: 49.340 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD059695.D
 Acq: 6 Aug 2018 16:01

Tgt Ion:225 Resp: 116138
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.4 94.3
 227 65.5 32.1 96.3



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

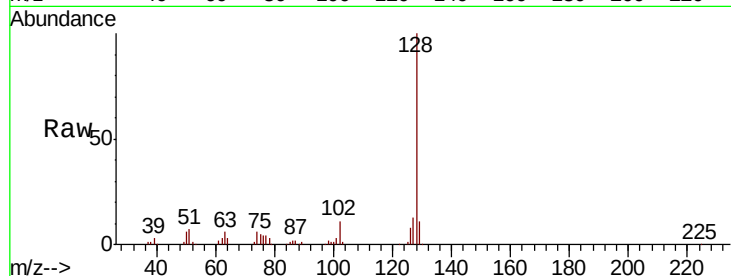




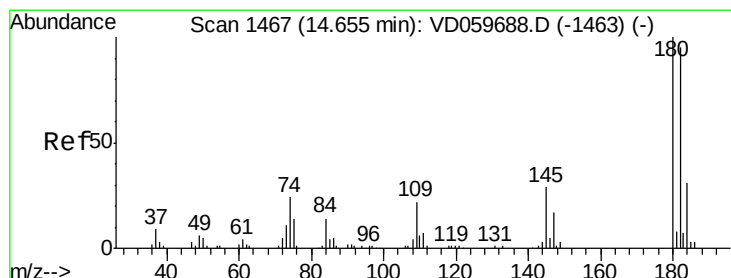
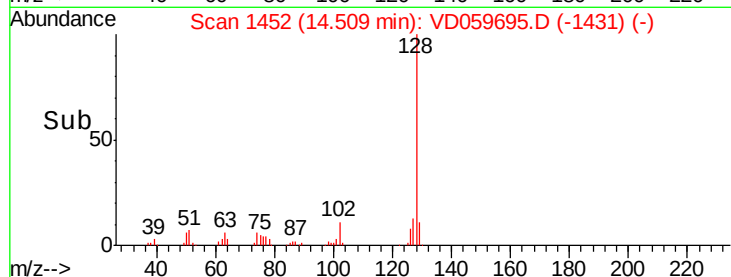
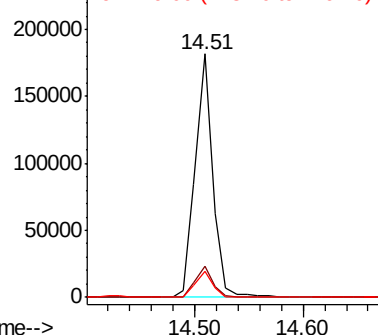
#95
Naphthalene
Concen: 45.964 ug/l
RT: 14.51 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VD059695.D
Acq: 6 Aug 2018 16:01

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 206605
Ion Ratio Lower Upper
128 100
127 12.9 10.6 16.0
129 10.7 8.8 13.2

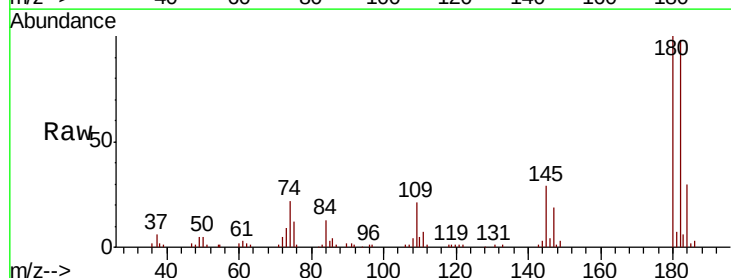


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 47.747 ug/l
RT: 14.66 min Scan# 1467
Delta R.T. 0.00 min
Lab File: VD059695.D
Acq: 6 Aug 2018 16:01

Tgt Ion:180 Resp: 126764
Ion Ratio Lower Upper
180 100
182 97.7 47.5 142.5
145 29.0 14.5 43.5



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

