

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080718\
 Data File : VD059697.D
 Acq On : 7 Aug 2018 11:07
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 08 08:04:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 08 02:03:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	215044	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.67	114	271291	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	219344	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	119085	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.99	65	149301	53.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.94%	
35) Dibromofluoromethane	5.53	113	132296	54.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.58%	
50) Toluene-d8	8.69	98	281981	53.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.32%	
62) 4-Bromofluorobenzene	11.93	95	128648	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.32	85	149282	49.457	ug/l	98
3) Chloromethane	1.47	50	68418	50.868	ug/l	94
4) Vinyl Chloride	1.54	62	84004	53.490	ug/l	97
5) Bromomethane	1.77	94	32246	62.395	ug/l	97
6) Chloroethane	1.86	64	38603	60.483	ug/l	97
7) Trichlorofluoromethane	2.07	101	137117	53.572	ug/l	100
8) Diethyl Ether	2.32	74	24155	51.518	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.53	101	71610	49.529	ug/l	92
10) Methyl Iodide	2.67	142	87041	52.367	ug/l	97
11) Tert butyl alcohol	3.25	59	23498	233.446	ug/l	98
12) 1,1-Dichloroethene	2.52	96	53700	50.836	ug/l	88
13) Acrolein	2.45	56	22896	242.175	ug/l	96
14) Allyl chloride	2.89	41	121125	50.113	ug/l	96
15) Acrylonitrile	3.34	53	72084	258.192	ug/l	95
16) Acetone	2.59	43	145289	279.596	ug/l	95
17) Carbon Disulfide	2.74	76	199967	52.402	ug/l	99
18) Methyl Acetate	2.91	43	45795	47.694	ug/l #	90
19) Methyl tert-butyl Ether	3.38	73	228045	56.574	ug/l	99
20) Methylene Chloride	3.04	84	68113	47.998	ug/l	95
21) trans-1,2-Dichloroethene	3.37	96	82698	59.812	ug/l	84
22) Diisopropyl ether	4.05	45	273822	48.163	ug/l	93
23) Vinyl Acetate	4.00	43	892971	247.746	ug/l	97
24) 1,1-Dichloroethane	3.95	63	183206	48.687	ug/l	99
25) 2-Butanone	4.81	43	187423	274.609	ug/l	98
26) 2,2-Dichloropropane	4.77	77	200883	49.989	ug/l	99
27) cis-1,2-Dichloroethene	4.78	96	97459	48.545	ug/l	93
28) Bromochloromethane	5.13	49	75659	54.460	ug/l #	87
29) Tetrahydrofuran	5.16	42	65625	248.276	ug/l	97
30) Chloroform	5.30	83	218469	47.631	ug/l	100
31) Cyclohexane	5.57	56	123018	49.825	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	222752	49.930	ug/l	95
36) 1,1-Dichloropropene	5.73	75	146812	48.677	ug/l	96
37) Ethyl Acetate	4.90	43	74978	51.200	ug/l	97
38) Carbon Tetrachloride	5.71	117	204046	50.554	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.26	83	121509	47.670	ug/l	94
40) Benzene	5.99	78	276359	47.246	ug/l	97
41) Methacrylonitrile	5.10	41	33641	49.133	ug/l	92
42) 1,2-Dichloroethane	6.11	62	177666	49.131	ug/l	98
43) Isopropyl Acetate	7.60	43	94327	49.282	ug/l	99
44) Trichloroethene	6.96	130	106564	49.865	ug/l	99
45) 1,2-Dichloropropane	7.33	63	75188	48.679	ug/l	99
46) Dibromomethane	7.45	93	68040	50.834	ug/l	95
47) Bromodichloromethane	7.72	83	169926	49.844	ug/l	99
48) Methyl methacrylate	7.49	41	66059	52.289	ug/l	97
49) 1,4-Dioxane	7.48	88	11740	1062.653	ug/l #	91
51) 4-Methyl-2-Pentanone	8.58	43	370714	265.575	ug/l	99
52) Toluene	8.79	92	175819	47.120	ug/l	99
53) t-1,3-Dichloropropene	9.17	75	145422	50.419	ug/l	99
54) cis-1,3-Dichloropropene	8.34	75	145422	48.951	ug/l	98
55) 1,1,2-Trichloroethane	9.45	97	67413	47.038	ug/l	93
56) Ethyl methacrylate	9.30	69	75073	47.476	ug/l	96
57) 1,3-Dichloropropane	9.65	76	109793	49.370	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.18	63	201352	267.276	ug/l	96
59) 2-Hexanone	9.77	43	292145	278.707	ug/l	97
60) Dibromochloromethane	9.95	129	117921	51.777	ug/l	97
61) 1,2-Dibromoethane	10.09	107	82072	49.803	ug/l	99
64) Tetrachloroethene	9.50	164	98759	47.553	ug/l	97
65) Chlorobenzene	10.72	112	208640	45.139	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.84	131	98157	48.439	ug/l	96
67) Ethyl Benzene	10.85	91	393639	47.287	ug/l	100
68) m/p-Xylenes	11.00	106	251680	94.511	ug/l	97
69) o-Xylene	11.39	106	121697	47.008	ug/l	94
70) Styrene	11.42	104	196992	45.332	ug/l	96
71) Bromoform	11.59	173	81241	53.214	ug/l	97
73) Isopropylbenzene	11.77	105	366871	45.841	ug/l	99
74) N-amyl acetate	11.64	43	124587	48.660	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.07	83	78343	48.783	ug/l	96
76) 1,2,3-Trichloropropane	12.10	75	90403	49.108	ug/l	99
77) Bromobenzene	12.03	156	113377	48.604	ug/l	92
78) n-propylbenzene	12.14	91	447137	45.084	ug/l	98
79) 2-Chlorotoluene	12.21	91	282570	47.176	ug/l	95
80) 1,3,5-Trimethylbenzene	12.31	105	308116	46.218	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.84	75	24346	54.190	ug/l	87
82) 4-Chlorotoluene	12.32	91	323813	46.182	ug/l	92
83) tert-Butylbenzene	12.56	119	350884	47.025	ug/l	97
84) 1,2,4-Trimethylbenzene	12.61	105	319068	45.162	ug/l	98
85) sec-Butylbenzene	12.75	105	386629	46.659	ug/l	97
86) p-Isopropyltoluene	12.88	119	337597	47.774	ug/l	96
87) 1,3-Dichlorobenzene	12.83	146	194832	48.394	ug/l	99
88) 1,4-Dichlorobenzene	12.92	146	186449	46.421	ug/l	96
89) n-Butylbenzene	13.18	91	334397	46.670	ug/l	99
90) Hexachloroethane	13.39	117	91871	50.162	ug/l	86
91) 1,2-Dichlorobenzene	13.18	146	156553	46.173	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.76	75	16577	49.421	ug/l	75

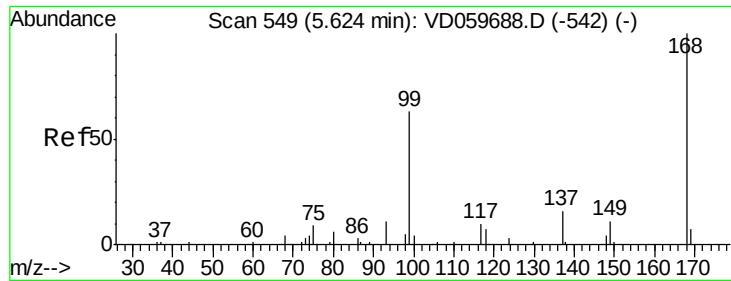
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	144003	47.213	ug/l	96
94) Hexachlorobutadiene	14.42	225	109502	46.294	ug/l	98
95) Naphthalene	14.51	128	219644	48.626	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	128908	48.317	ug/l	98

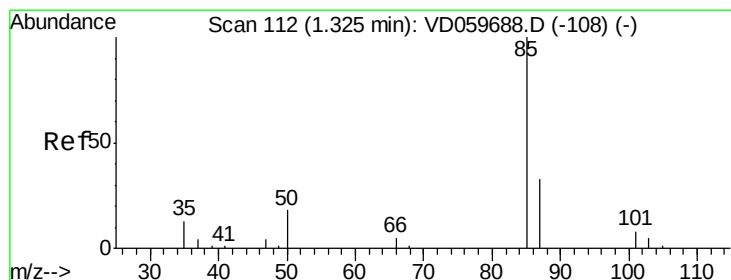
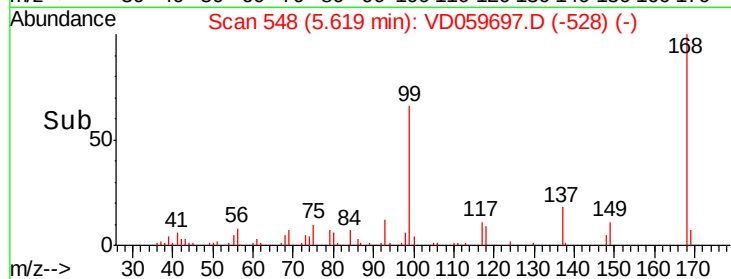
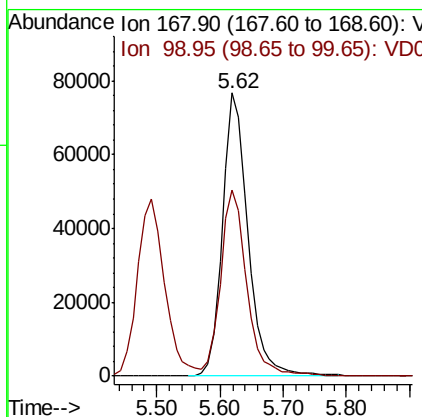
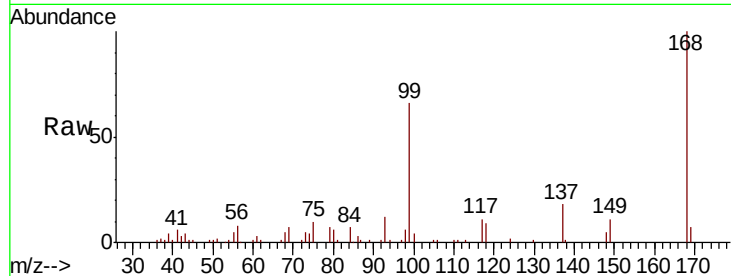
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.62 min Scan# 548
Delta R.T. -0.00 min
Lab File: VD059697.D
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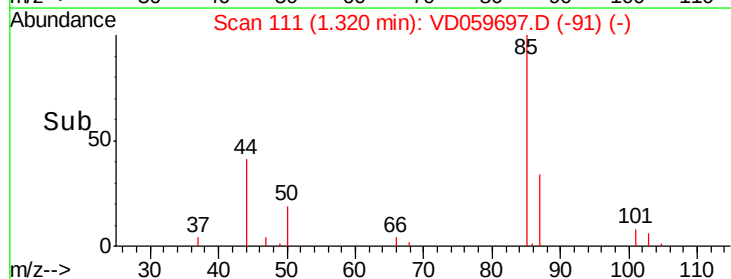
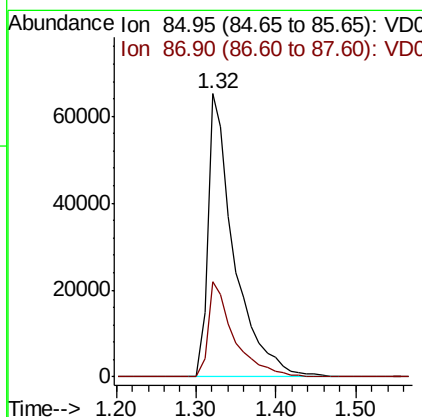
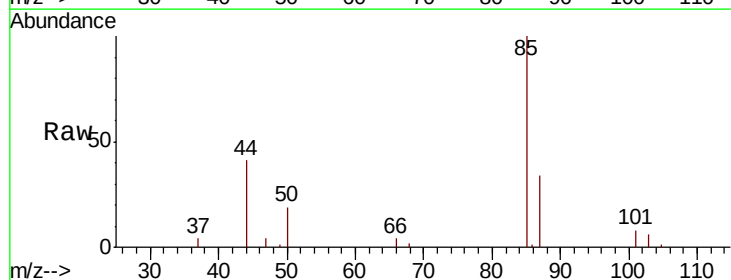
Instrument :
MSVOA_D
ClientSampleId :

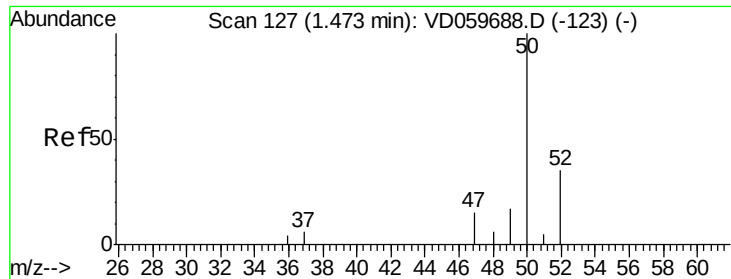
Tot Ion:168 Resp: 215044
Ion Ratio Lower Upper
168 100
99 65.8 53.4 80.2



#2
Dichlorodifluoromethane
Concen: 49.457 ug/l
RT: 1.32 min Scan# 111
Delta R.T. -0.00 min
Lab File: VD059697.D
Acq: 7 Aug 2018 11:07

Tgt Ion: 85 Resp: 149282
Ion Ratio Lower Upper
85 100
87 33.6 16.4 49.1





#3

Chloromethane

Concen: 50.868 ug/l

RT: 1.47 min Scan# 126

Delta R.T. -0.00 min

Lab File: VD059697.D

Acq: 7 Aug 2018 11:07

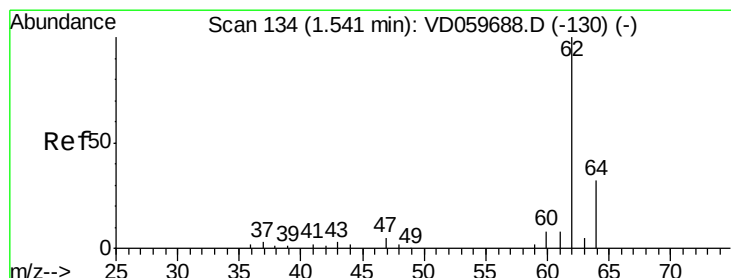
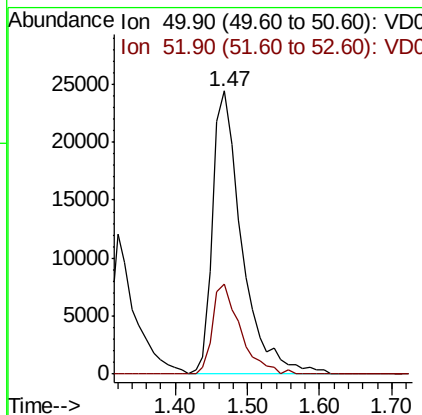
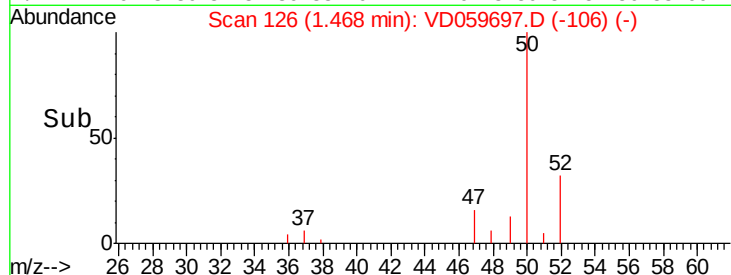
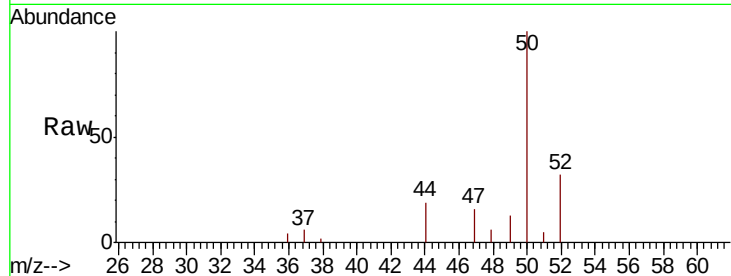
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 68418

Ion Ratio Lower Upper

50 100

52 32.0 28.2 42.4



#4

Vinyl Chloride

Concen: 53.490 ug/l

RT: 1.54 min Scan# 133

Delta R.T. -0.00 min

Lab File: VD059697.D

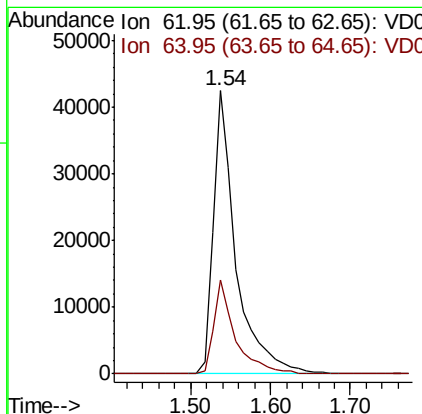
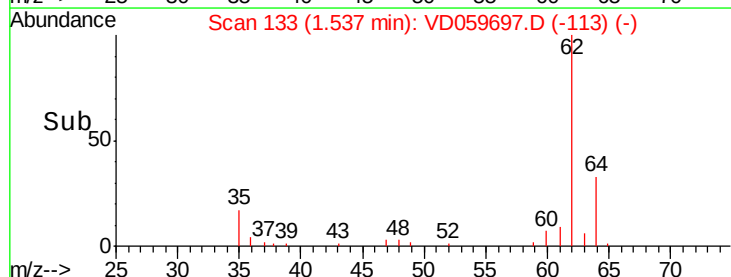
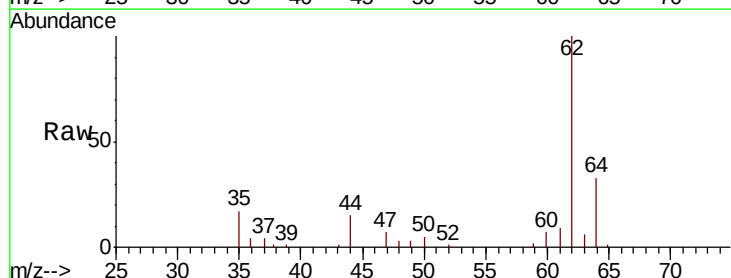
Acq: 7 Aug 2018 11:07

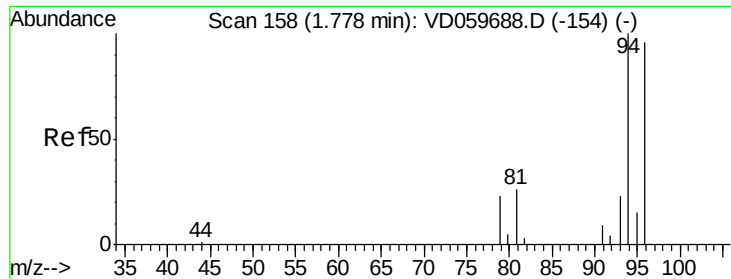
Tgt Ion: 62 Resp: 84004

Ion Ratio Lower Upper

62 100

64 33.3 25.4 38.0

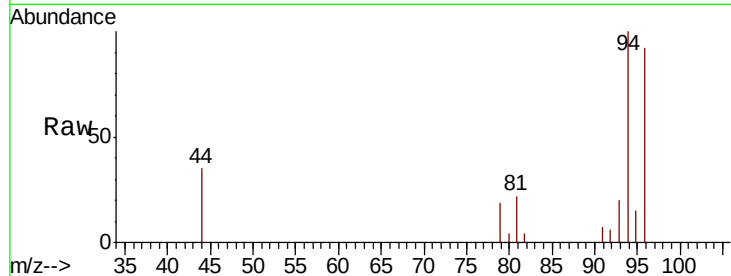




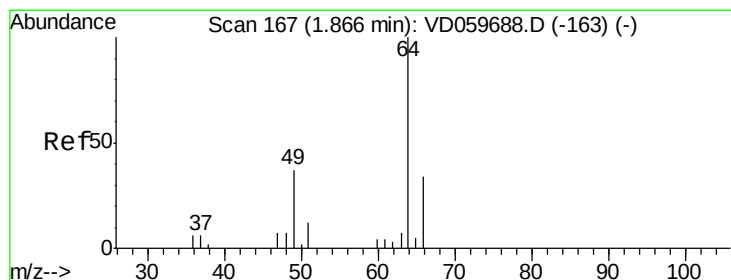
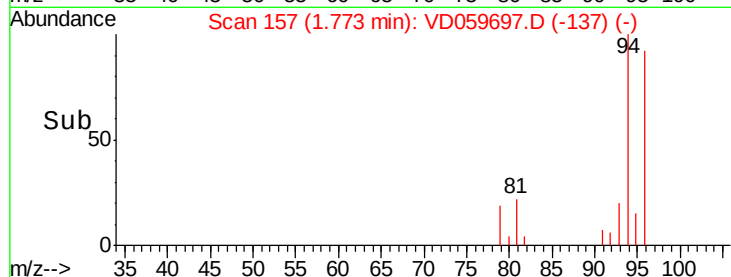
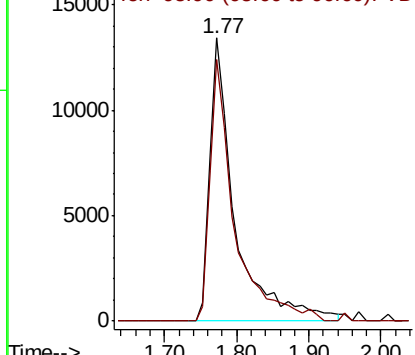
#5
Bromomethane
Concen: 62.395 ug/l
RT: 1.77 min Scan# 157
Delta R.T. -0.00 min
Lab File: VD059697.D
Acq: 7 Aug 2018 11:07

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 32246
Ion Ratio Lower Upper
94 100
96 92.3 76.6 114.8

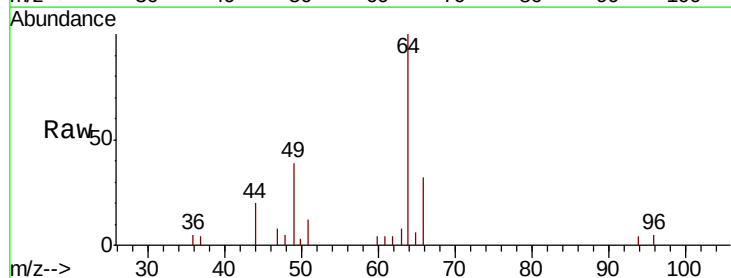


Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC

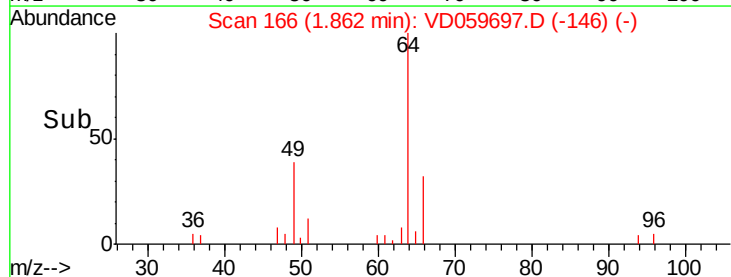
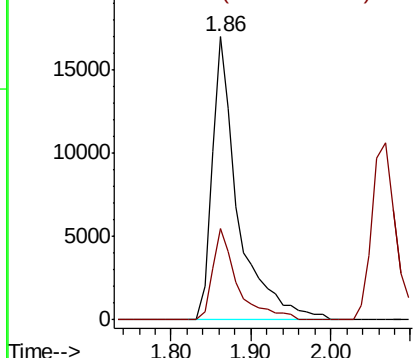


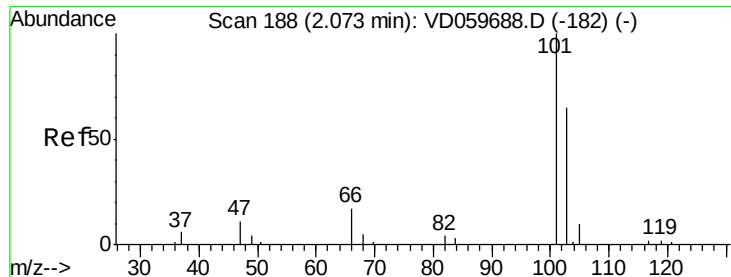
#6
Chloroethane
Concen: 60.483 ug/l
RT: 1.86 min Scan# 166
Delta R.T. -0.00 min
Lab File: VD059697.D
Acq: 7 Aug 2018 11:07

Tgt Ion: 64 Resp: 38603
Ion Ratio Lower Upper
64 100
66 32.1 27.2 40.8



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



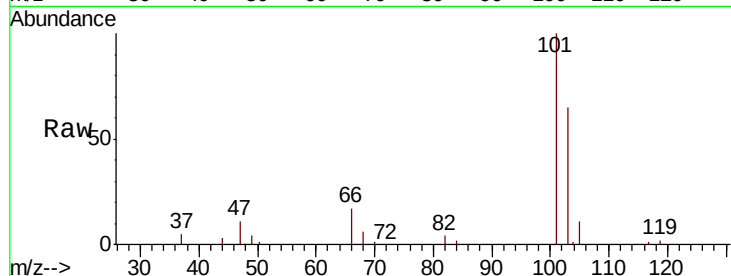


#7

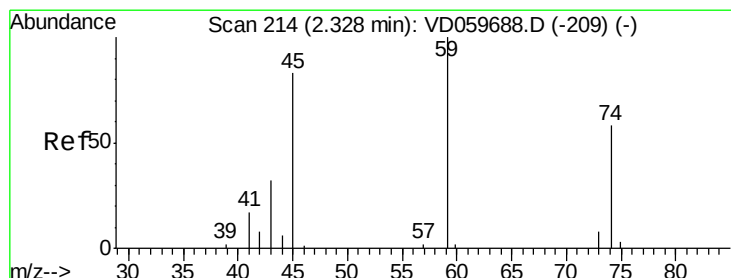
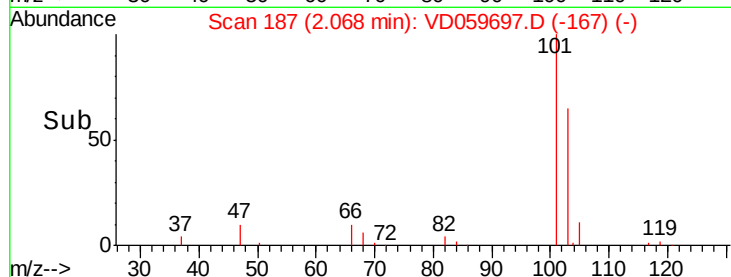
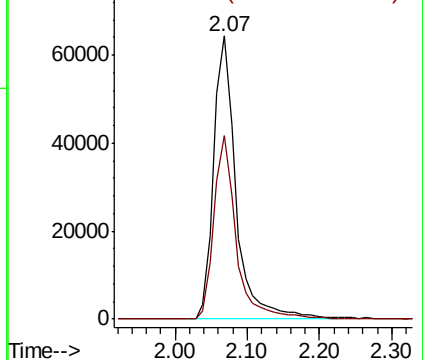
Trichlorofluoromethane
Concen: 53.572 ug/l
RT: 2.07 min Scan# 187
Delta R.T. -0.00 min
Lab File: VD059697.D
Acq: 7 Aug 2018 11:07

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 137117
Ion Ratio Lower Upper
101 100
103 64.8 51.7 77.5



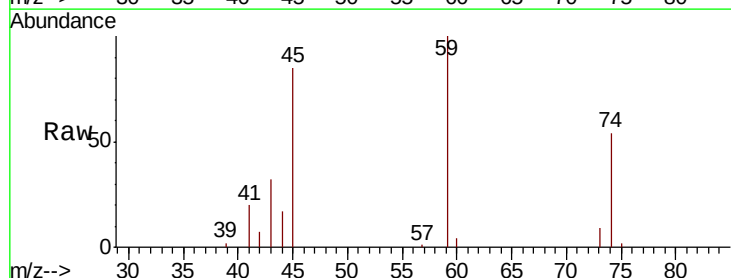
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



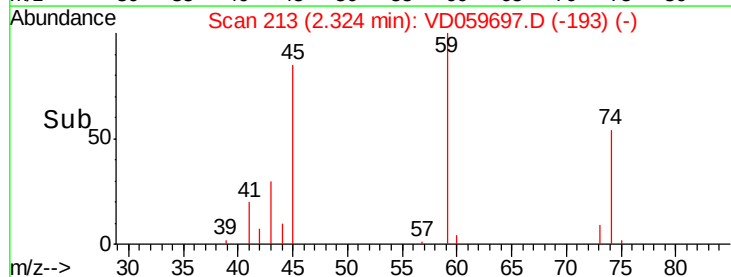
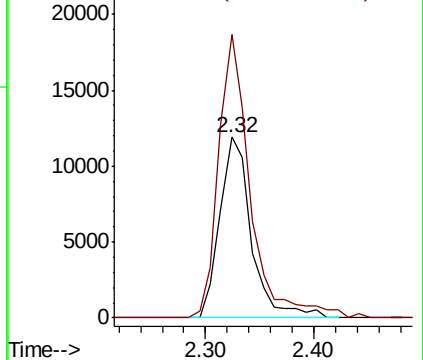
#8

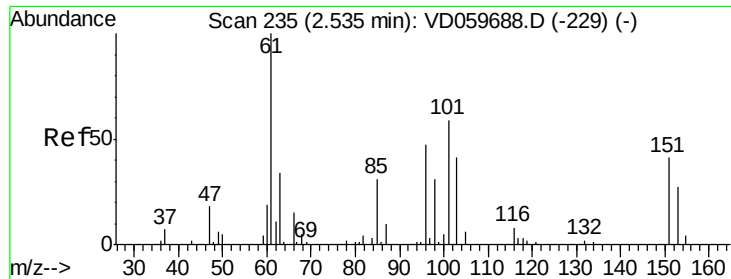
Diethyl Ether
Concen: 51.518 ug/l
RT: 2.32 min Scan# 213
Delta R.T. -0.00 min
Lab File: VD059697.D
Acq: 7 Aug 2018 11:07

Tgt Ion: 74 Resp: 24155
Ion Ratio Lower Upper
74 100
45 156.6 71.4 214.2



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.529 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.00 min

Lab File: VD059697.D

Acq: 7 Aug 2018 11:07

Instrument :

MSVOA_D

ClientSampleId :

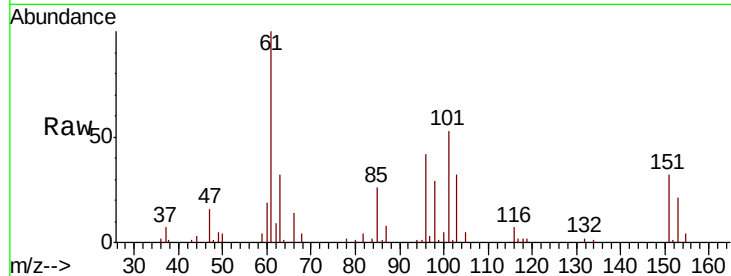
Tot Ion:101 Resp: 71610

Ion Ratio Lower Upper

101 100

85 49.0 42.2 63.4

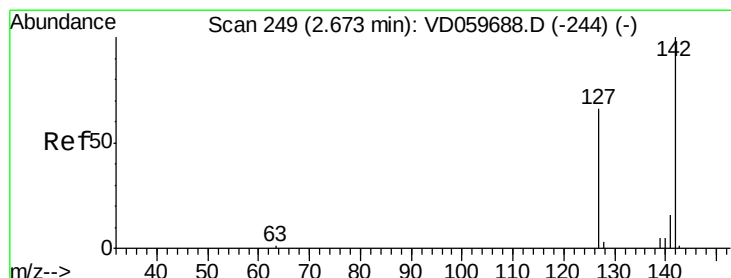
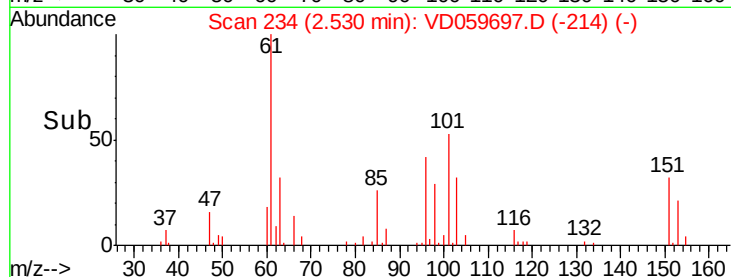
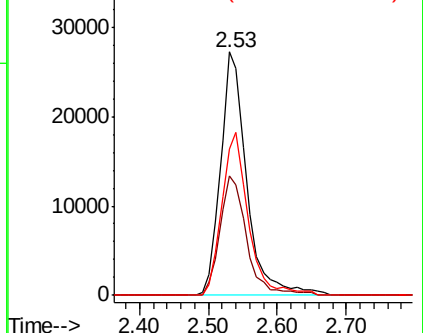
151 60.3 55.2 82.8



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: 52.367 ug/l

RT: 2.67 min Scan# 248

Delta R.T. -0.00 min

Lab File: VD059697.D

Acq: 7 Aug 2018 11:07

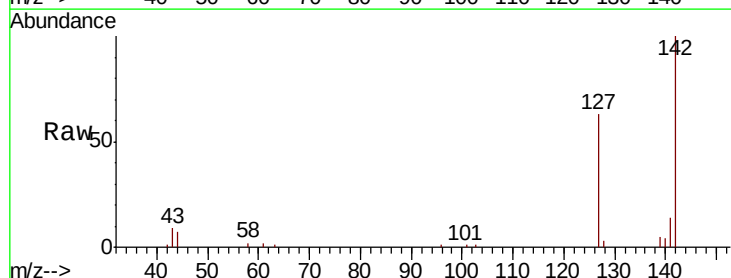
Tgt Ion:142 Resp: 87041

Ion Ratio Lower Upper

142 100

127 63.1 52.6 79.0

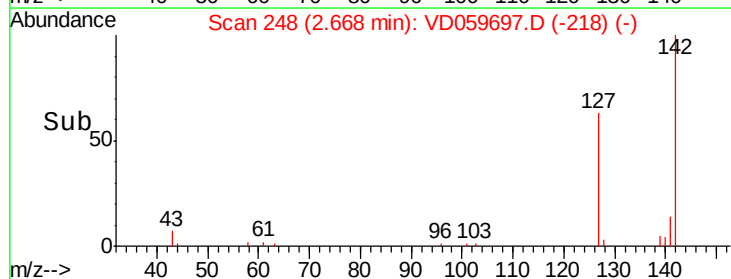
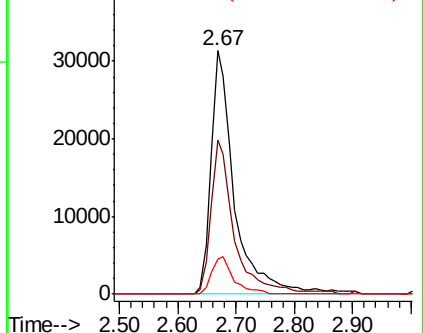
141 14.4 12.5 18.7

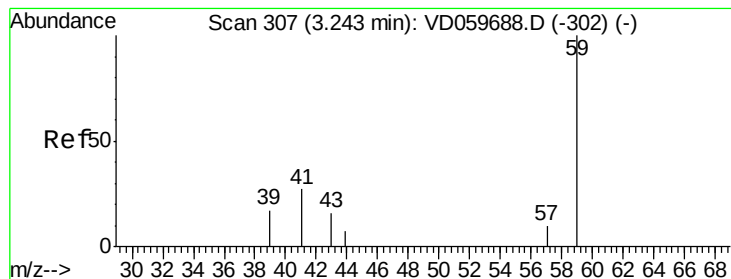


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



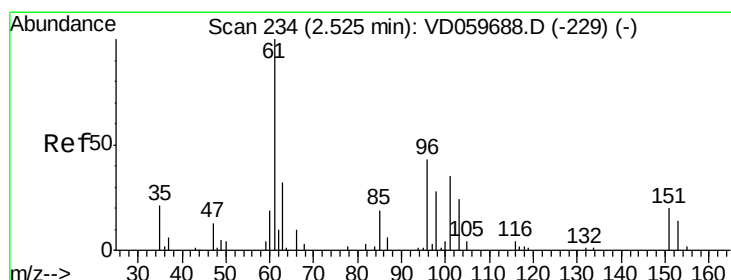
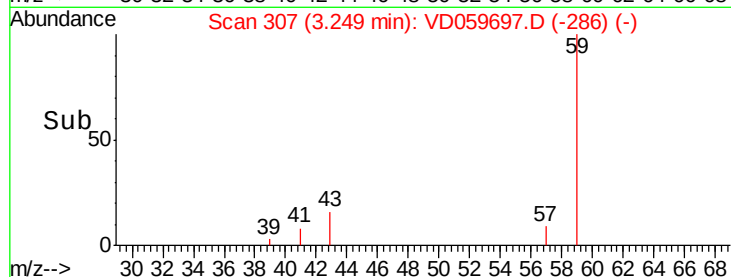
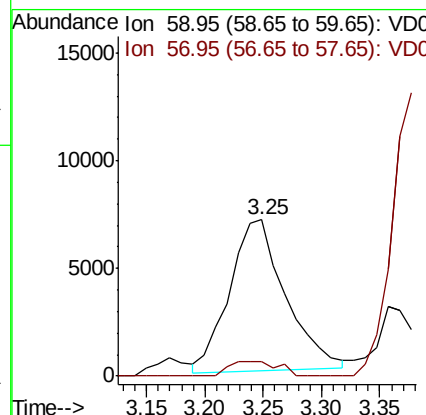
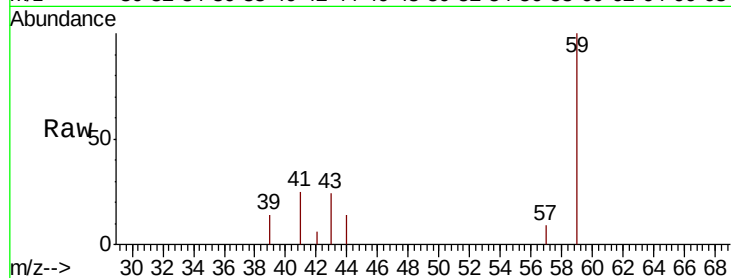


#11

Tert butyl alcohol
 Concen: 233.446 ug/l
 RT: 3.25 min Scan# 307
 Delta R.T. 0.01 min
 Lab File: VD059697.D
 Acq: 7 Aug 2018 11:07

Instrument :
 MSVOA_D
 ClientSampled :

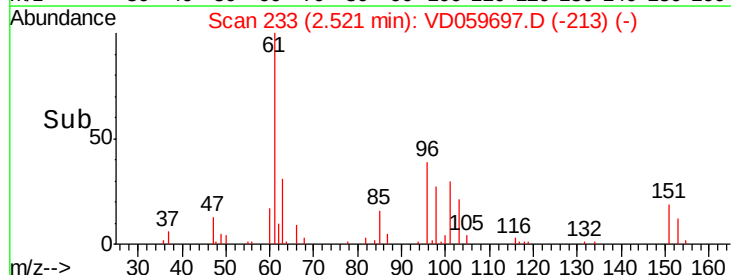
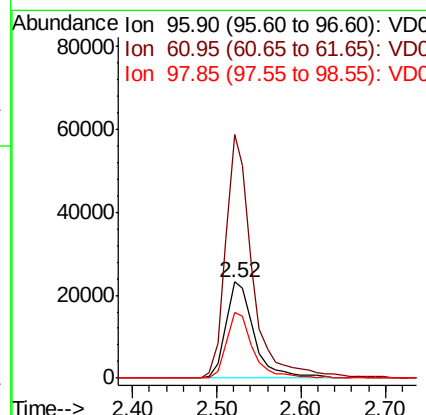
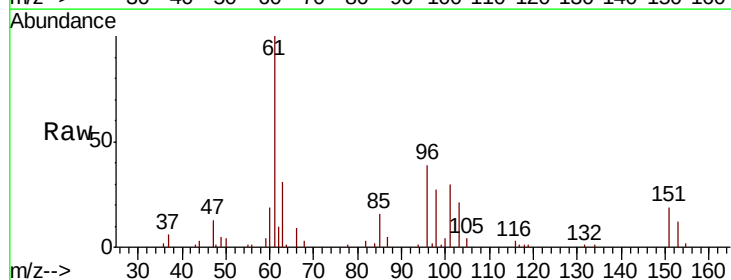
Tot Ion: 59 Resp: 23498
 Ion Ratio Lower Upper
 59 100
 57 9.1 6.8 10.2

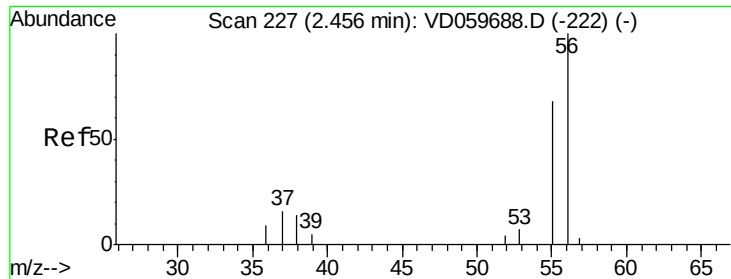


#12

1,1-Dichloroethene
 Concen: 50.836 ug/l
 RT: 2.52 min Scan# 233
 Delta R.T. -0.00 min
 Lab File: VD059697.D
 Acq: 7 Aug 2018 11:07

Tgt Ion: 96 Resp: 53700
 Ion Ratio Lower Upper
 96 100
 61 254.0 184.1 276.1
 98 67.9 52.4 78.6

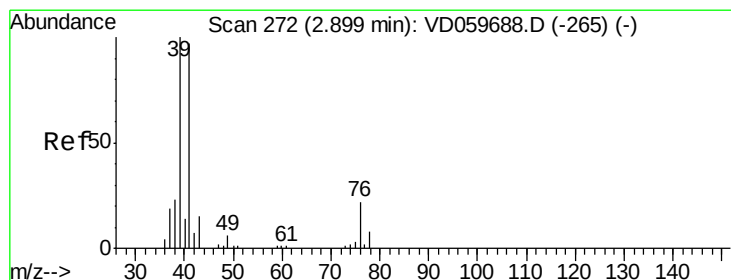
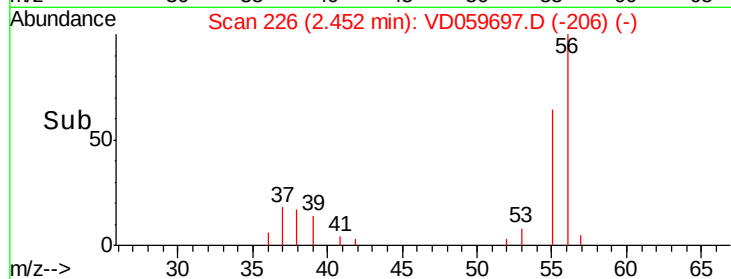
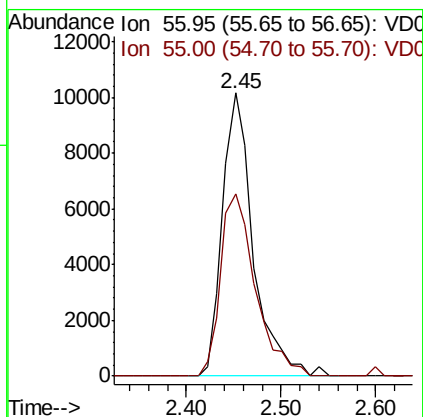
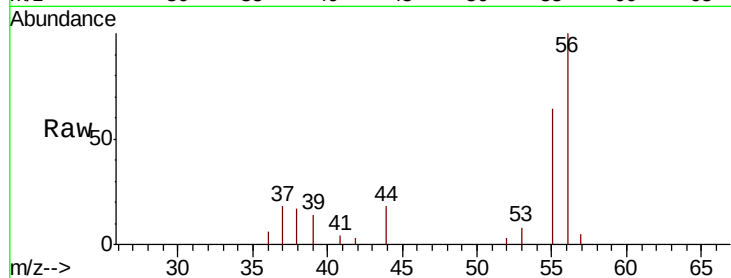




#13
Acrolein
Concen: 242.175 ug/l
RT: 2.45 min Scan# 226
Delta R.T. -0.00 min
Lab File: VD059697.D
Acq: 7 Aug 2018 11:07

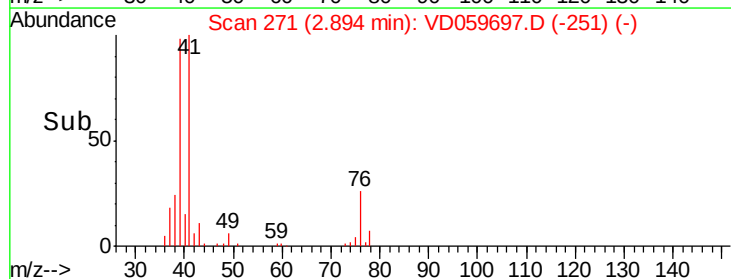
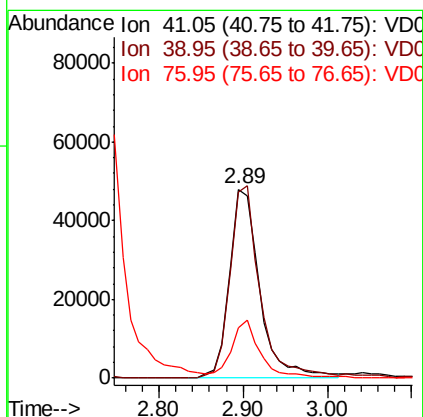
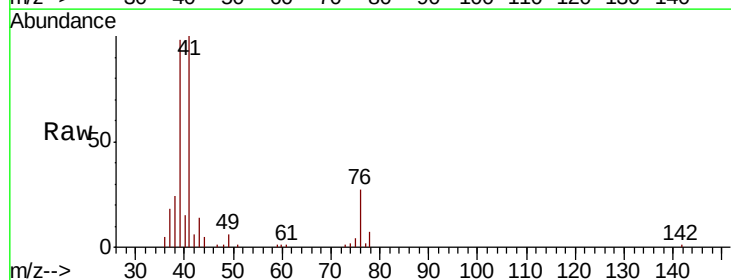
Instrument :
MSVOA_D
ClientSampleID :

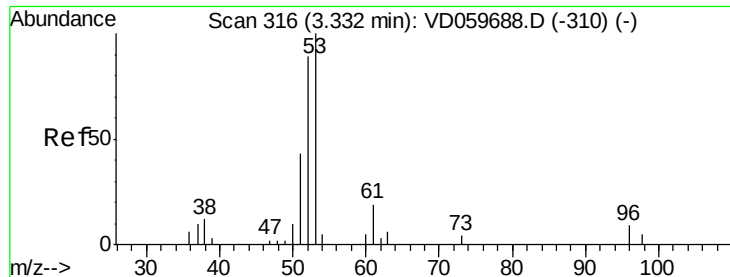
Tot Ion: 56 Resp: 22896
Ion Ratio Lower Upper
56 100
55 64.5 54.4 81.6



#14
Allyl chloride
Concen: 50.113 ug/l
RT: 2.89 min Scan# 271
Delta R.T. -0.00 min
Lab File: VD059697.D
Acq: 7 Aug 2018 11:07

Tgt Ion: 41 Resp: 121125
Ion Ratio Lower Upper
41 100
39 98.4 82.5 123.7
76 26.9 22.1 33.1





#15

Acrylonitrile

Concen: 258.192 ug/l

RT: 3.34 min Scan# 316

Delta R.T. 0.01 min

Lab File: VD059697.D

Acq: 7 Aug 2018 11:07

Instrument :

MSVOA_D

ClientSampleId :

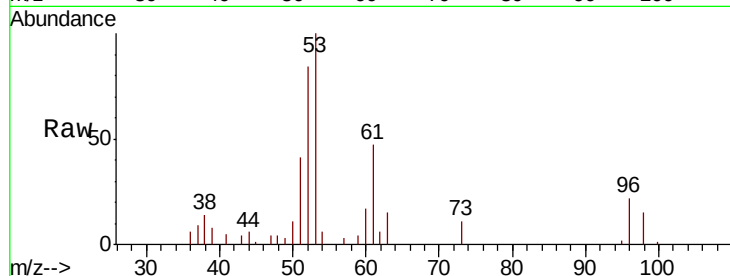
Tot Ion: 53 Resp: 72084

Ion Ratio Lower Upper

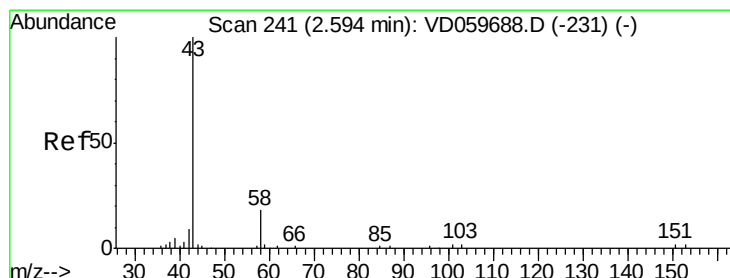
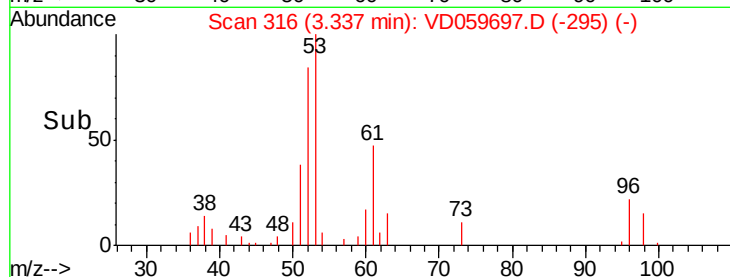
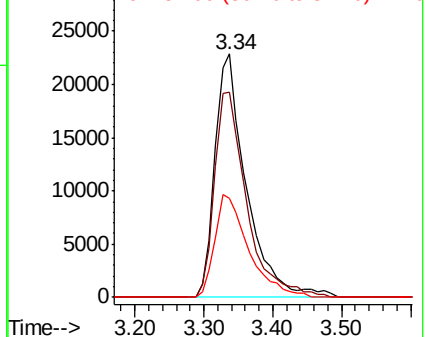
53 100

52 84.3 71.4 107.0

51 40.5 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: 279.596 ug/l

RT: 2.59 min Scan# 240

Delta R.T. -0.00 min

Lab File: VD059697.D

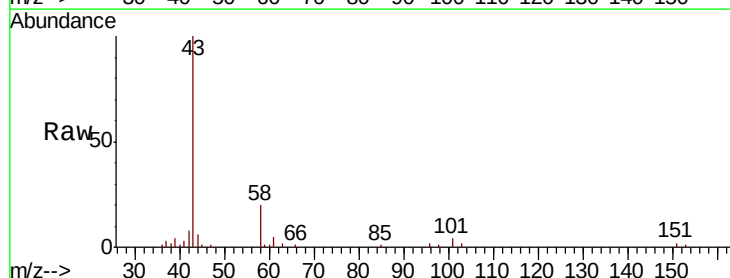
Acq: 7 Aug 2018 11:07

Tgt Ion: 43 Resp: 145289

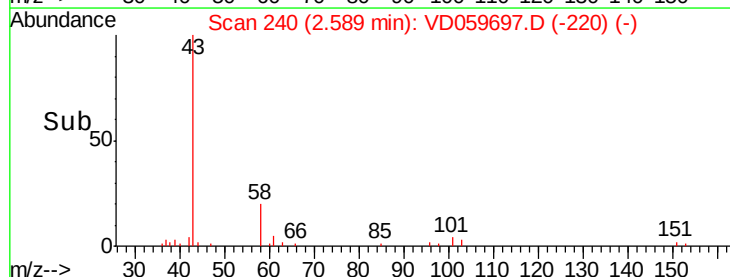
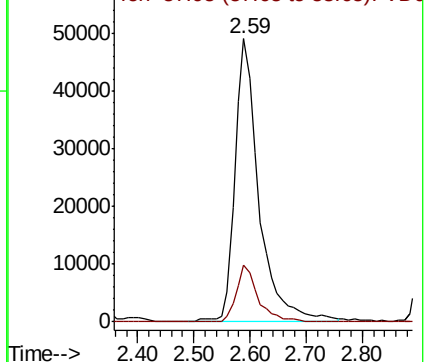
Ion Ratio Lower Upper

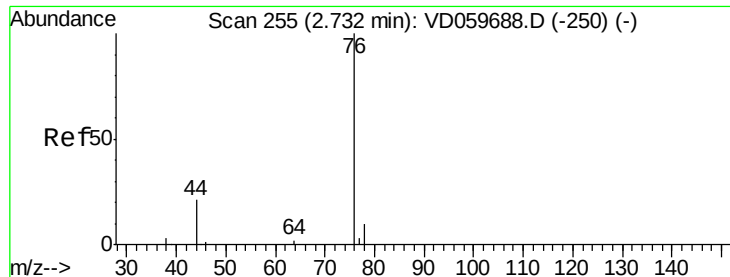
43 100

58 19.9 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: 52.402 ug/l

RT: 2.74 min Scan# 255

Delta R.T. 0.01 min

Lab File: VD059697.D

Acq: 7 Aug 2018 11:07

Instrument :

MSVOA_D

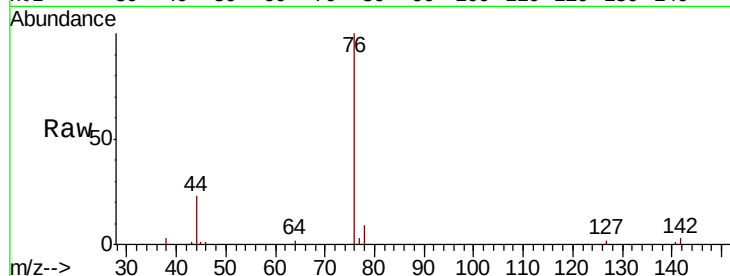
ClientSampleId :

Tot Ion: 76 Resp: 199967

Ion Ratio Lower Upper

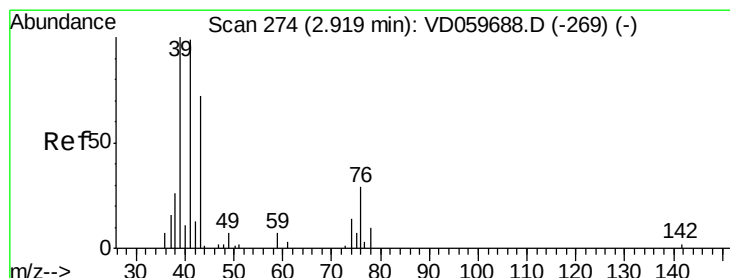
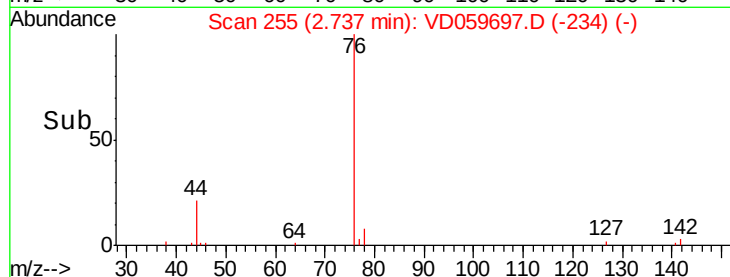
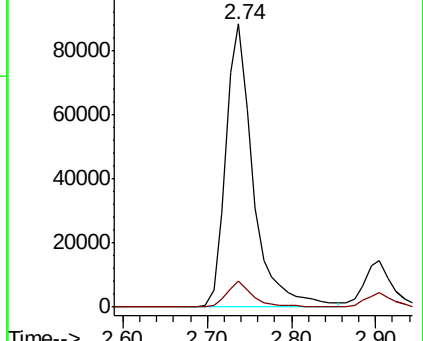
76 100

78 9.1 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: 47.694 ug/l

RT: 2.91 min Scan# 273

Delta R.T. -0.00 min

Lab File: VD059697.D

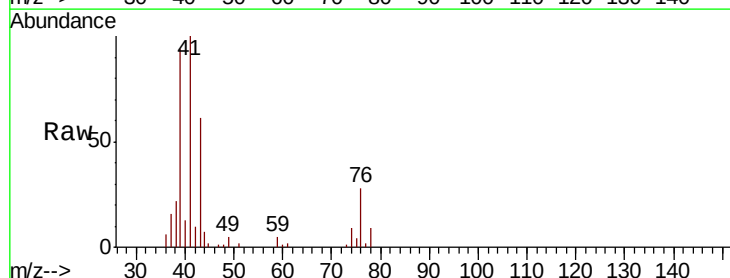
Acq: 7 Aug 2018 11:07

Tgt Ion: 43 Resp: 45795

Ion Ratio Lower Upper

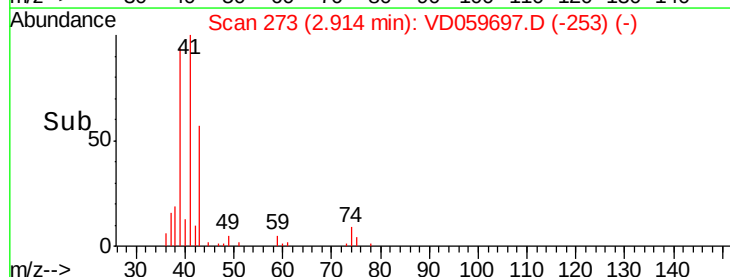
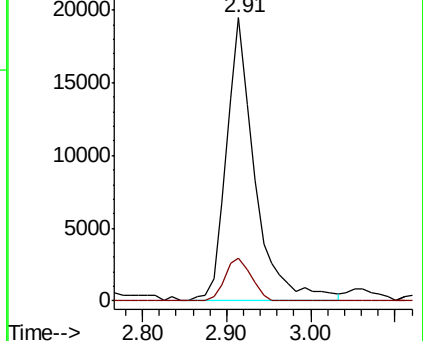
43 100

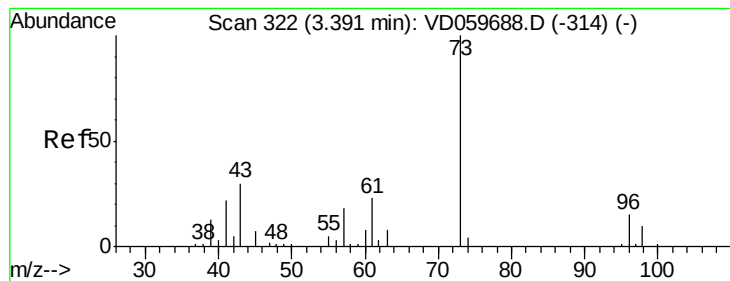
74 15.2 15.7 23.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



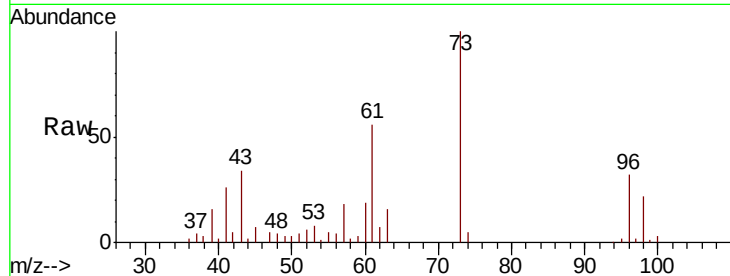


#19

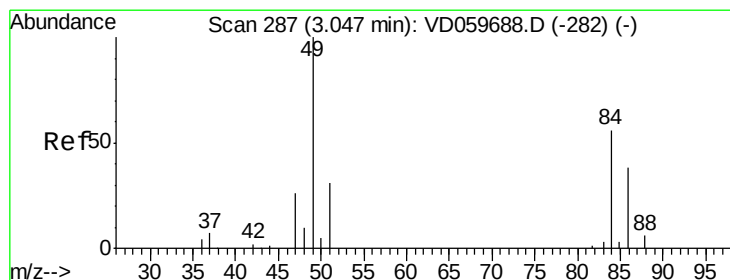
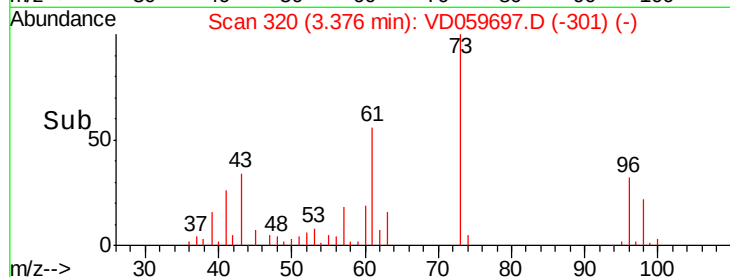
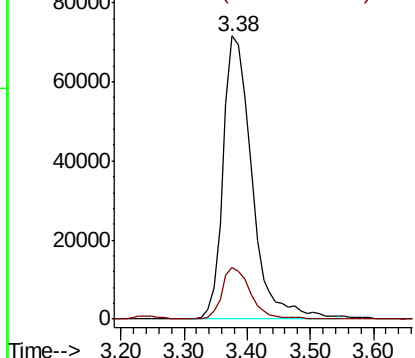
Methyl tert-butyl Ether
 Concen: 56.574 ug/l
 RT: 3.38 min Scan# 320
 Delta R.T. -0.01 min
 Lab File: VD059697.D
 Acq: 7 Aug 2018 11:07

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 73 Resp: 228045
 Ion Ratio Lower Upper
 73 100
 57 18.4 14.3 21.5



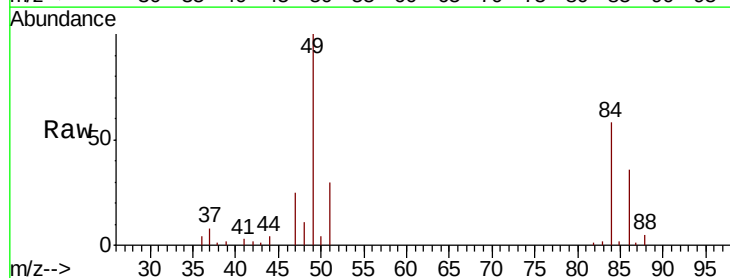
Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.05 (56.75 to 57.75): VDC



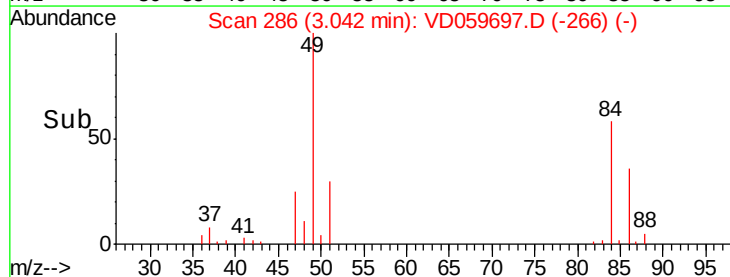
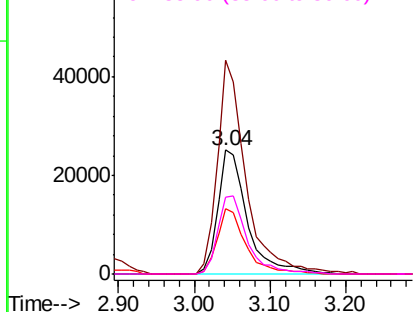
#20

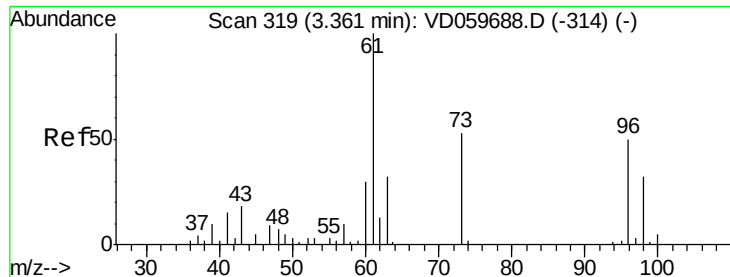
Methylene Chloride
 Concen: 47.998 ug/l
 RT: 3.04 min Scan# 286
 Delta R.T. -0.00 min
 Lab File: VD059697.D
 Acq: 7 Aug 2018 11:07

Tgt Ion: 84 Resp: 68113
 Ion Ratio Lower Upper
 84 100
 49 172.8 143.4 215.2
 51 52.6 44.2 66.4
 86 62.0 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: 59.812 ug/l

RT: 3.37 min Scan# 319

Delta R.T. 0.01 min

Lab File: VD059697.D

Acq: 7 Aug 2018 11:07

Instrument :

MSVOA_D

ClientSampled :

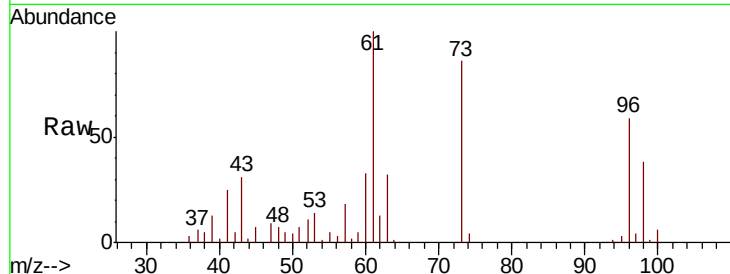
Tot Ion: 96 Resp: 82698

Ion Ratio Lower Upper

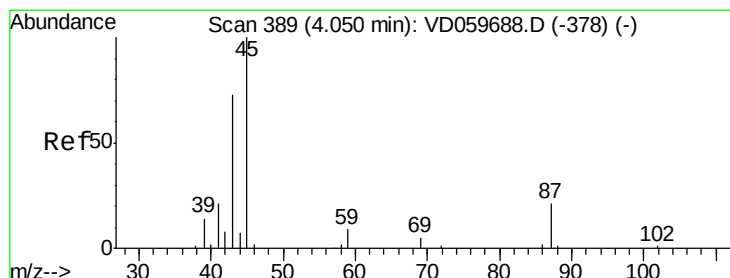
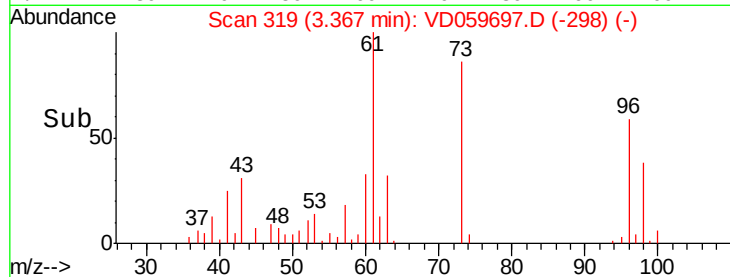
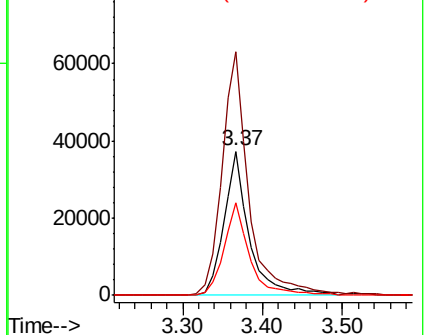
96 100

61 169.3 160.6 241.0

98 64.2 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: 48.163 ug/l

RT: 4.05 min Scan# 388

Delta R.T. -0.00 min

Lab File: VD059697.D

Acq: 7 Aug 2018 11:07

Tgt Ion: 45 Resp: 273822

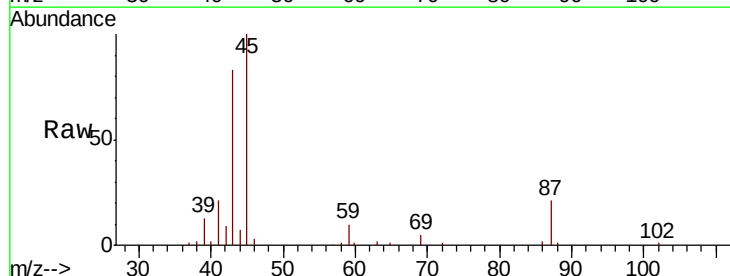
Ion Ratio Lower Upper

45 100

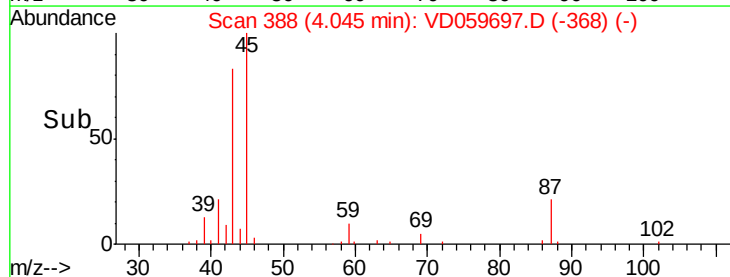
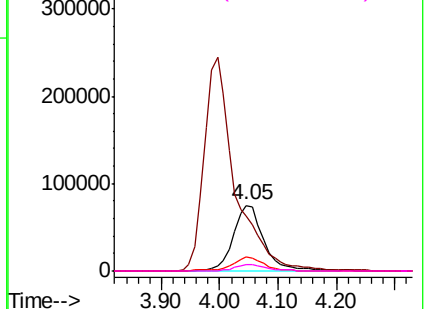
43 83.4 60.3 90.5

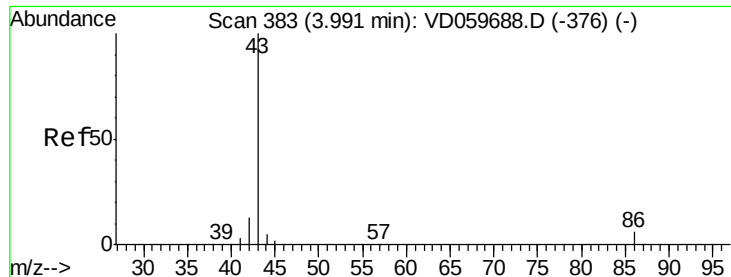
87 20.7 17.0 25.6

59 9.6 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: 247.746 ug/l

RT: 4.00 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD059697.D

Acq: 7 Aug 2018 11:07

Instrument :

MSVOA_D

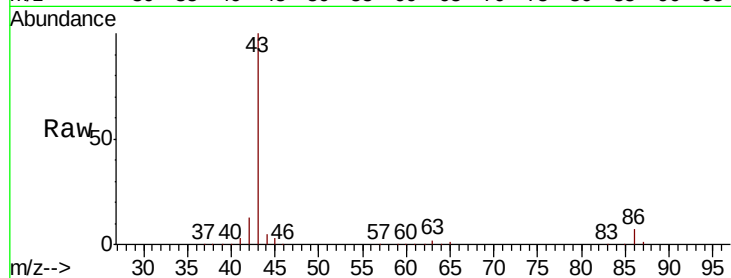
ClientSampled :

Tot Ion: 43 Resp: 892971

Ion Ratio Lower Upper

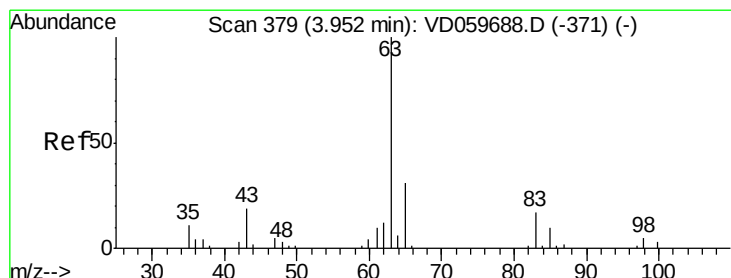
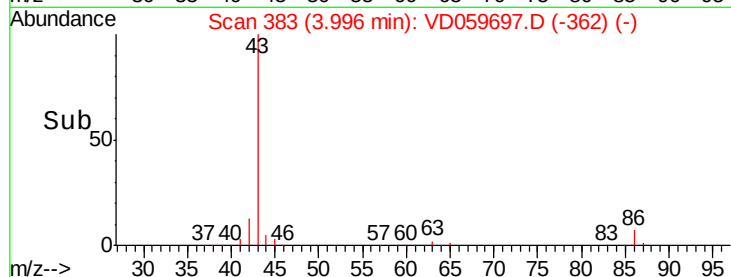
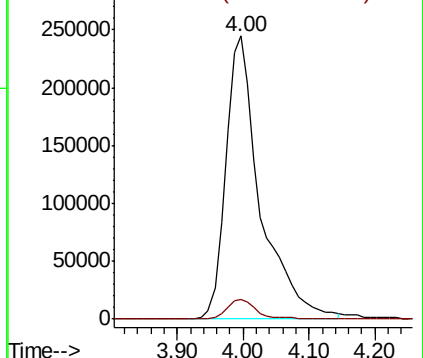
43 100

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



#24

1,1-Dichloroethane

Concen: 48.687 ug/l

RT: 3.95 min Scan# 378

Delta R.T. -0.00 min

Lab File: VD059697.D

Acq: 7 Aug 2018 11:07

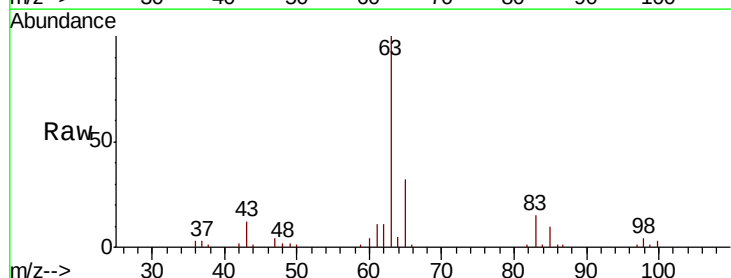
Tgt Ion: 63 Resp: 183206

Ion Ratio Lower Upper

63 100

98 4.3 2.4 7.1

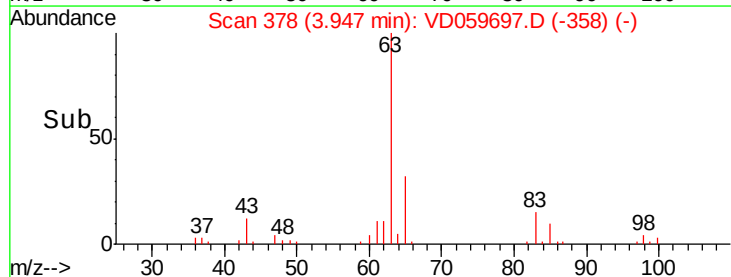
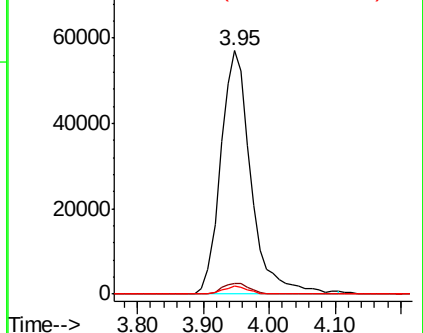
100 3.3 1.6 4.8

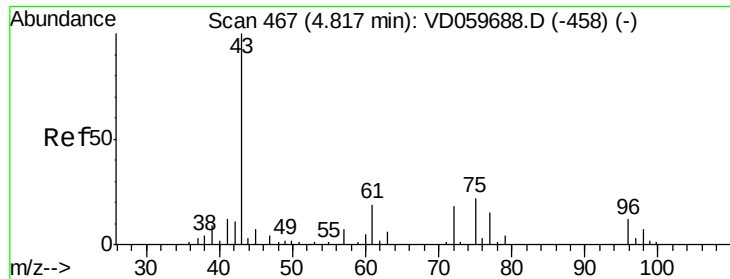


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 274.609 ug/l

RT: 4.81 min Scan# 466

Delta R.T. -0.00 min

Lab File: VD059697.D

Acq: 7 Aug 2018 11:07

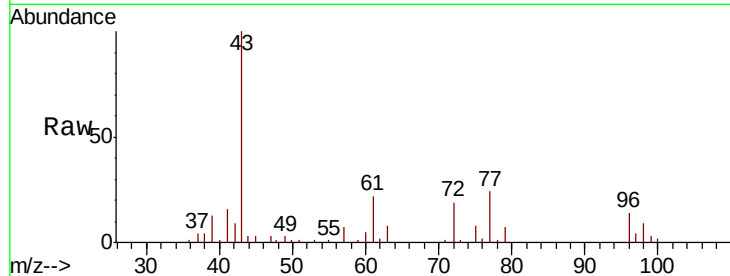
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 187423

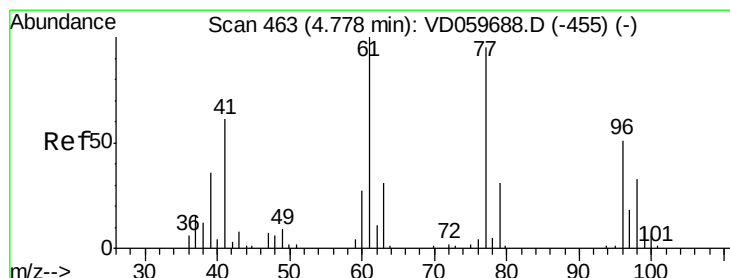
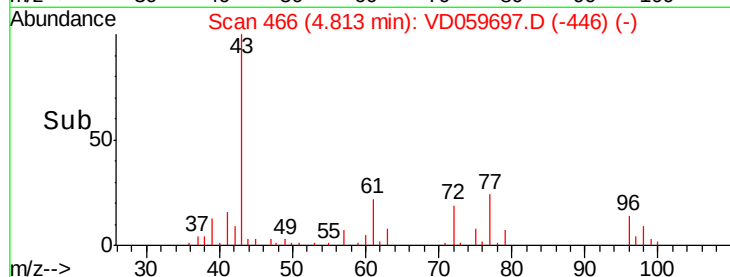
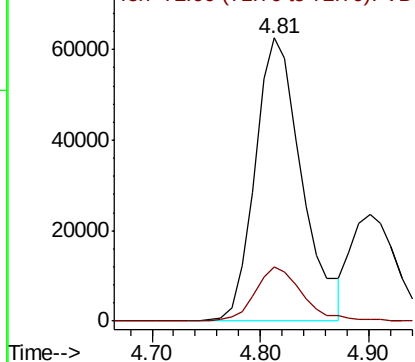
Ion Ratio Lower Upper

43 100

72 19.3 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: 49.989 ug/l

RT: 4.77 min Scan# 462

Delta R.T. -0.00 min

Lab File: VD059697.D

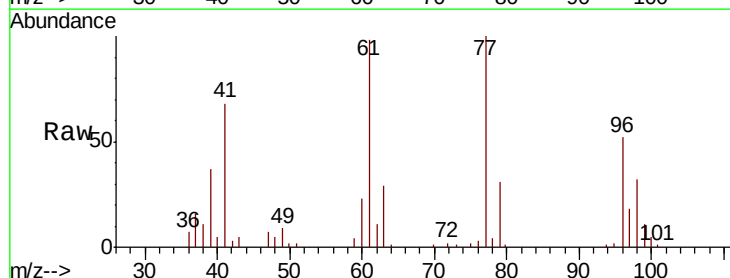
Acq: 7 Aug 2018 11:07

Tgt Ion: 77 Resp: 200883

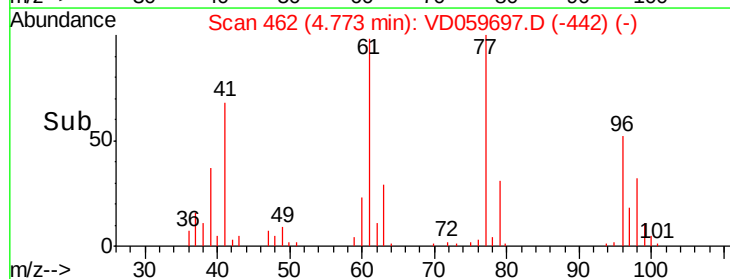
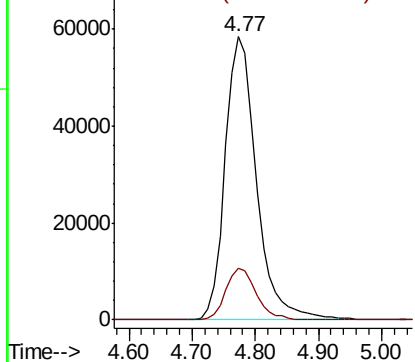
Ion Ratio Lower Upper

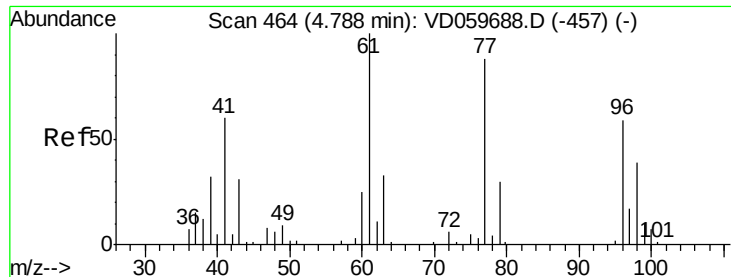
77 100

97 18.5 9.4 28.3



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



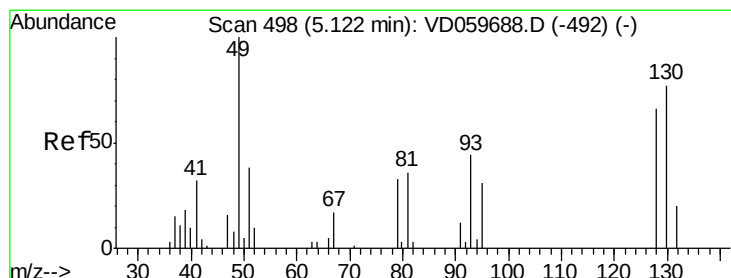
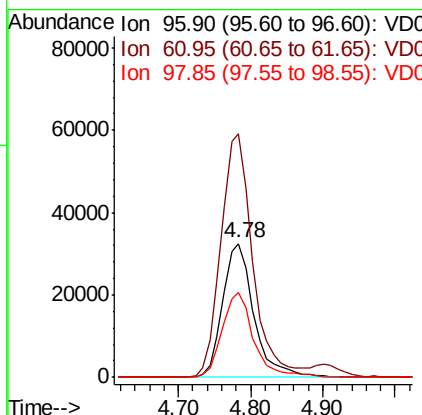
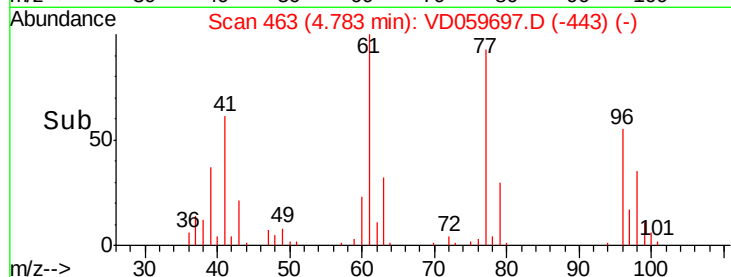
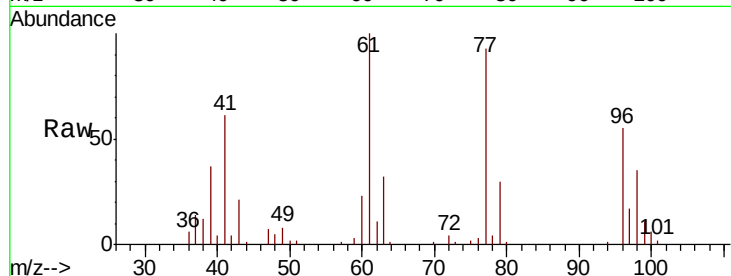


#27

cis-1,2-Dichloroethene
 Concen: 48.545 ug/l
 RT: 4.78 min Scan# 463
 Delta R.T. -0.00 min
 Lab File: VD059697.D
 Acq: 7 Aug 2018 11:07

Instrument :
 MSVOA_D
 ClientSampleID :

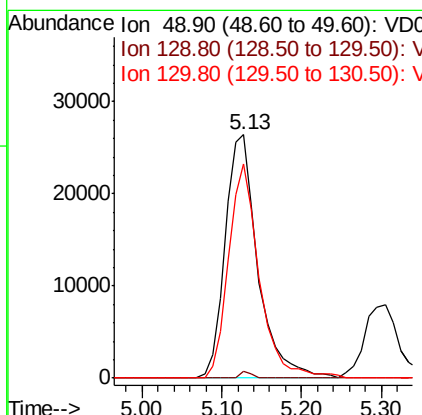
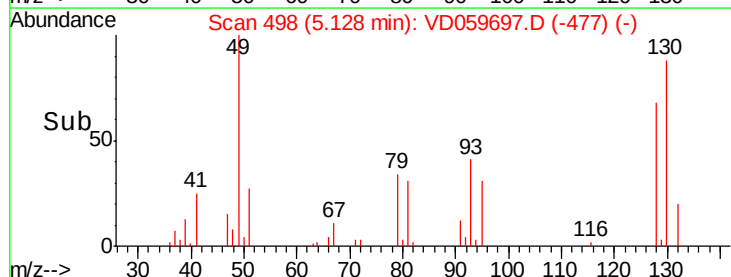
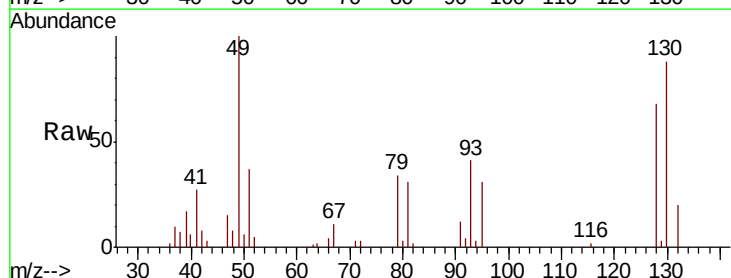
Tot Ion: 96 Resp: 97459
 Ion Ratio Lower Upper
 96 100
 61 182.0 0.0 341.6
 98 63.4 0.0 131.0

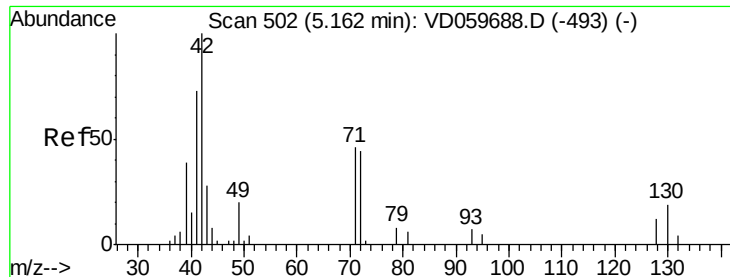


#28

Bromochloromethane
 Concen: 54.460 ug/l
 RT: 5.13 min Scan# 498
 Delta R.T. 0.01 min
 Lab File: VD059697.D
 Acq: 7 Aug 2018 11:07

Tgt Ion: 49 Resp: 75659
 Ion Ratio Lower Upper
 49 100
 129 2.9 0.0 0.0#
 130 88.0 61.2 91.8





#29

Tetrahydrofuran

Concen: 248.276 ug/l

RT: 5.16 min Scan# 501

Delta R.T. -0.00 min

Lab File: VD059697.D

Acq: 7 Aug 2018 11:07

Instrument :

MSVOA_D

ClientSampleId :

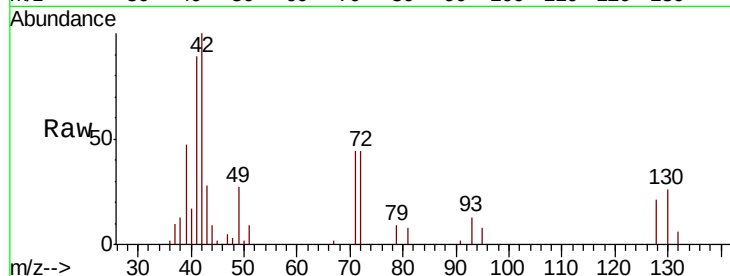
Tot Ion: 42 Resp: 65625

Ion Ratio Lower Upper

42 100

72 42.7 36.7 55.1

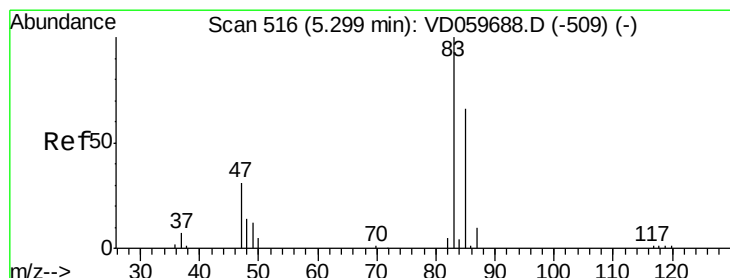
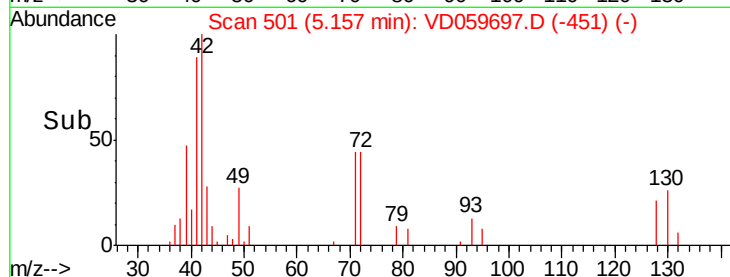
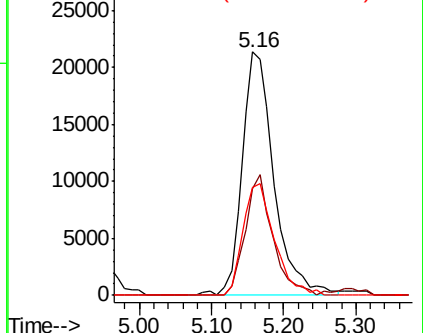
71 45.5 36.3 54.5



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: 47.631 ug/l

RT: 5.30 min Scan# 516

Delta R.T. 0.01 min

Lab File: VD059697.D

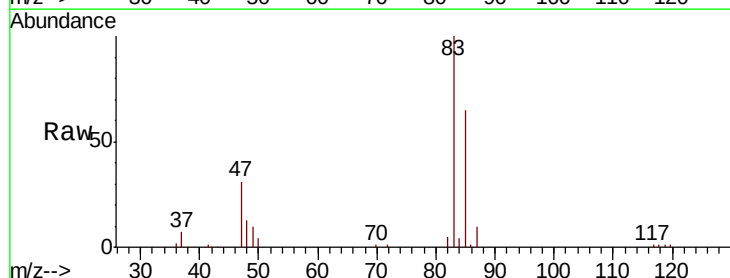
Acq: 7 Aug 2018 11:07

Tgt Ion: 83 Resp: 218469

Ion Ratio Lower Upper

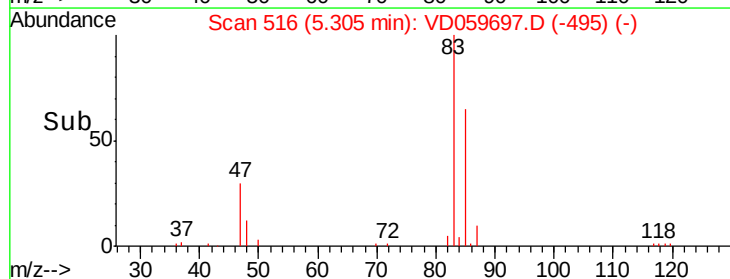
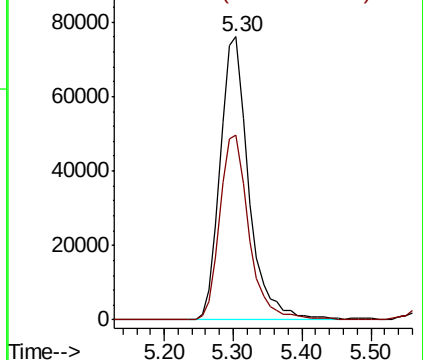
83 100

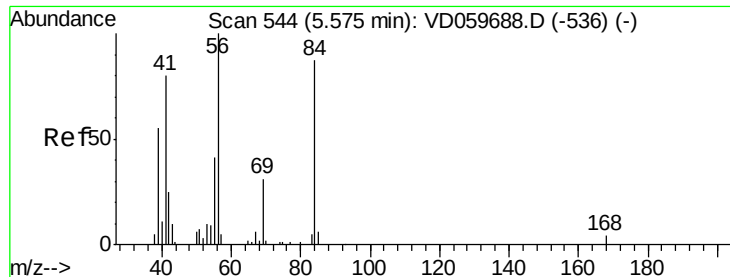
85 65.4 52.6 79.0



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

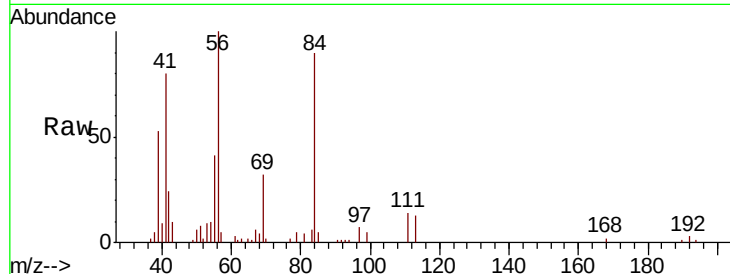




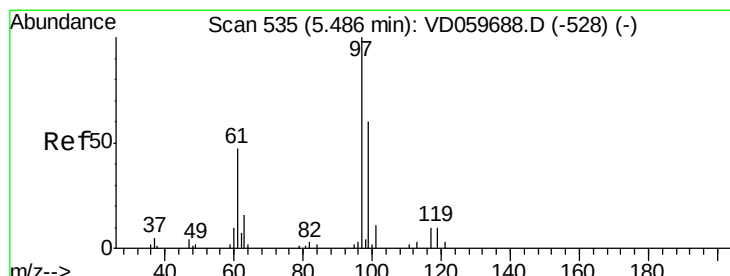
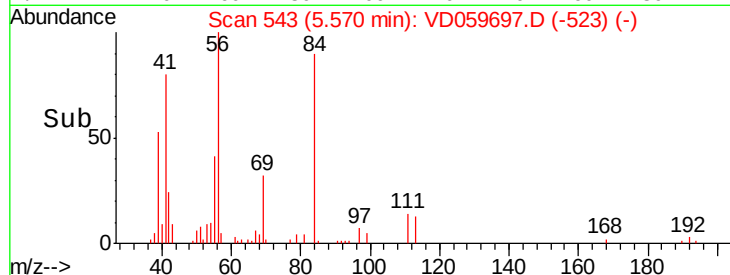
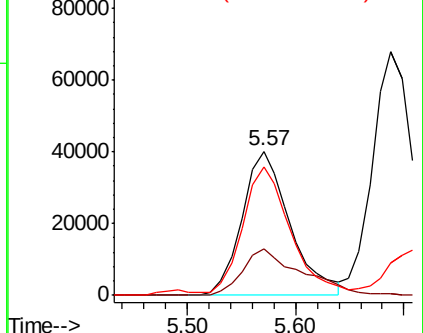
#31
Cyclohexane
Concen: 49.825 ug/l
RT: 5.57 min Scan# 543
Delta R.T. -0.00 min
Lab File: VD059697.D
Acq: 7 Aug 2018 11:07

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 123018
Ion Ratio Lower Upper
56 100
69 32.2 24.7 37.1
84 89.7 72.2 108.2

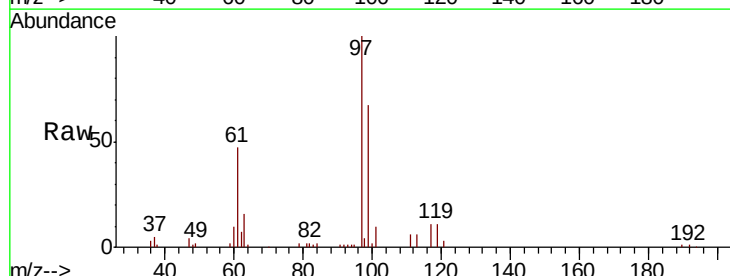


Abundance Ion 55.95 (55.65 to 56.65): VD0
Ion 69.00 (68.70 to 69.70): VD0
Ion 84.05 (83.75 to 84.75): VD0

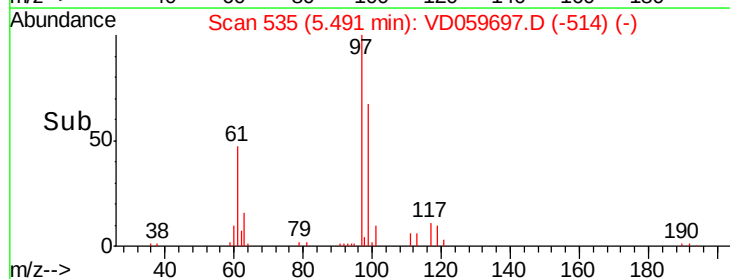
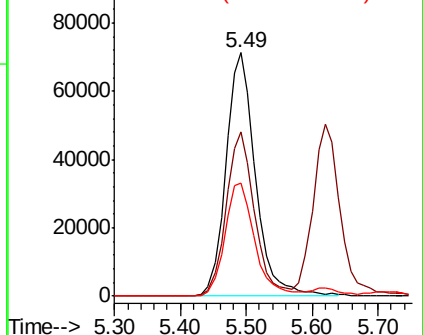


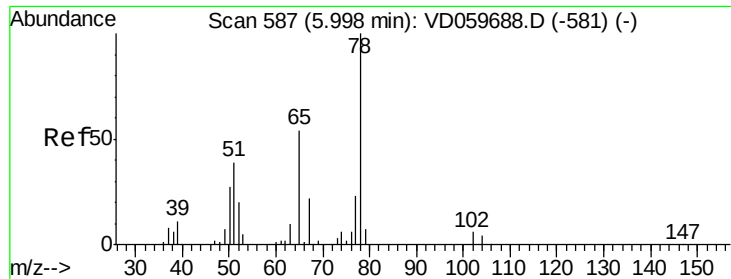
#32
1,1,1-Trichloroethane
Concen: 49.930 ug/l
RT: 5.49 min Scan# 535
Delta R.T. 0.01 min
Lab File: VD059697.D
Acq: 7 Aug 2018 11:07

Tgt Ion: 97 Resp: 222752
Ion Ratio Lower Upper
97 100
99 67.2 48.2 72.2
61 46.6 37.5 56.3



Abundance Ion 96.85 (96.55 to 97.55): VD0
Ion 98.85 (98.55 to 99.55): VD0
Ion 60.95 (60.65 to 61.65): VD0

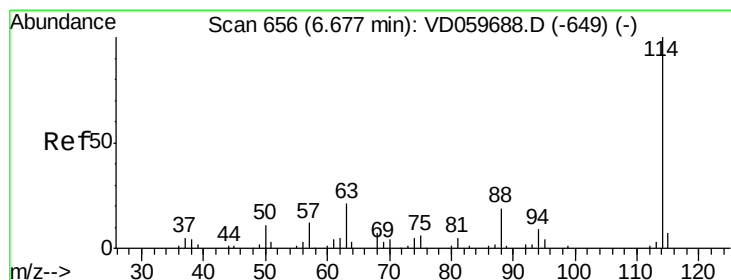
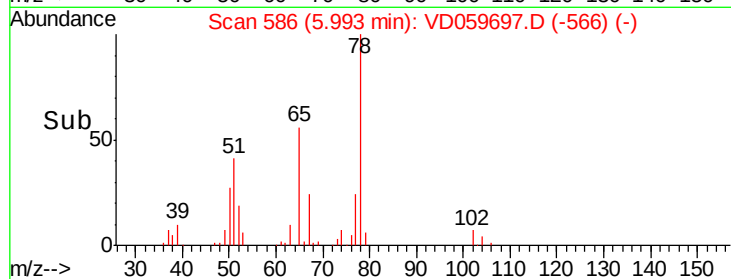
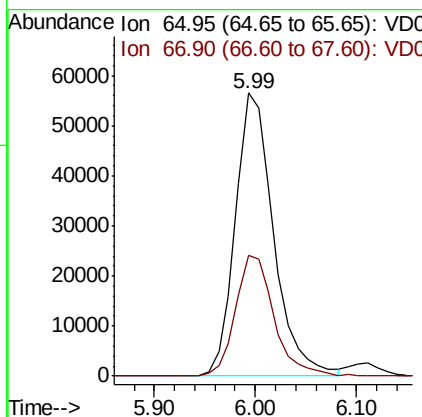
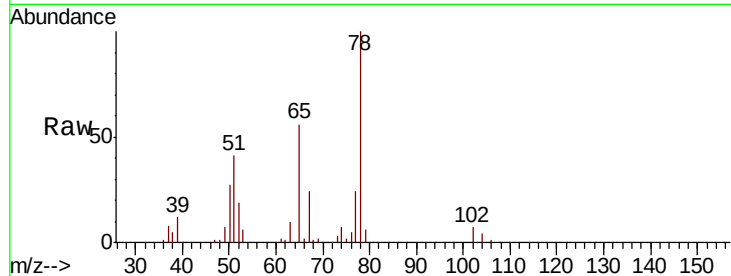




#33
 1,2-Dichloroethane-d4
 Concen: 49.930 ug/l
 RT: 5.99 min Scan# 586
 Delta R.T. -0.00 min
 Lab File: VD059697.D
 Acq: 7 Aug 2018 11:07

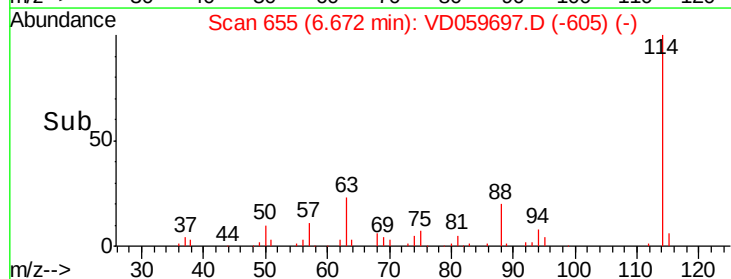
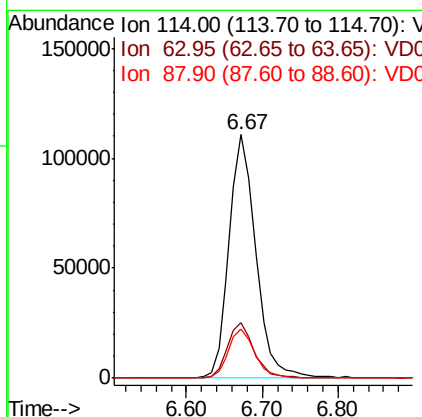
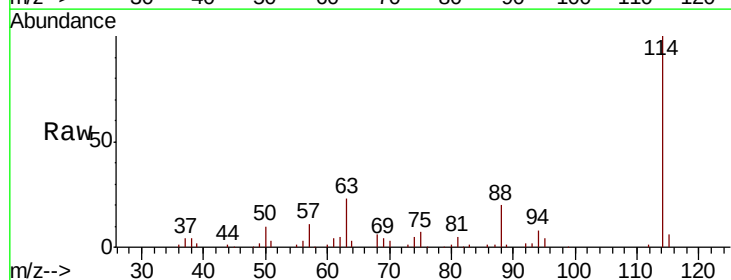
Instrument :
 MSVOA_D
 ClientSampled :

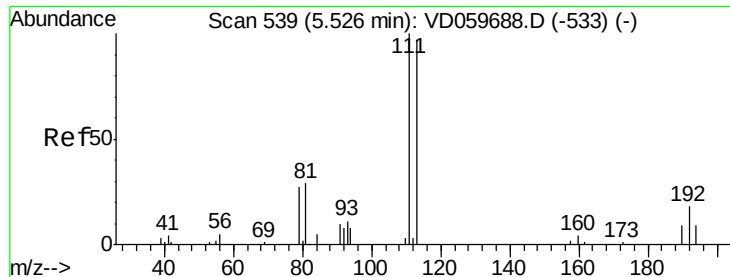
Tot Ion: 65 Resp: 149301
 Ion Ratio Lower Upper
 65 100
 67 42.5 0.0 80.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.67 min Scan# 655
 Delta R.T. -0.00 min
 Lab File: VD059697.D
 Acq: 7 Aug 2018 11:07

Tgt Ion: 114 Resp: 271291
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 42.6
 88 20.4 0.0 38.8

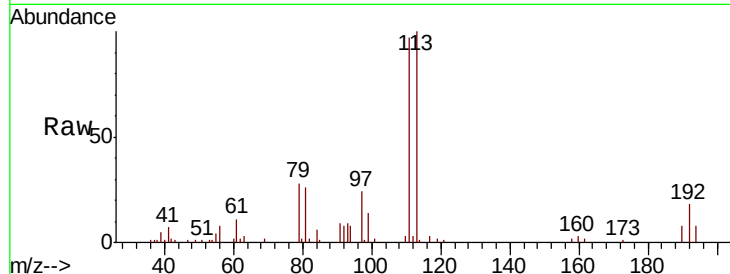




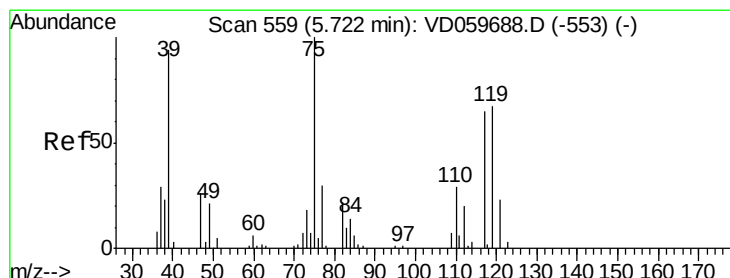
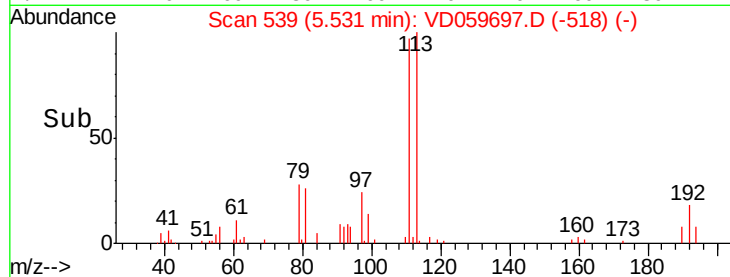
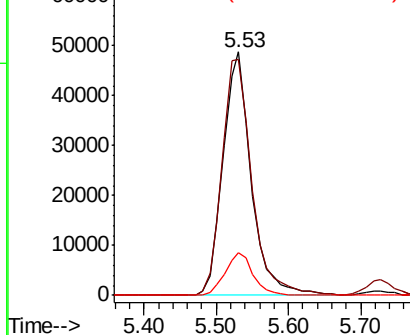
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.53 min Scan# 539
 Delta R.T. 0.01 min
 Lab File: VD059697.D
 Acq: 7 Aug 2018 11:07

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:113 Resp: 132296
 Ion Ratio Lower Upper
 113 100
 111 97.1 82.8 124.2
 192 17.7 14.6 22.0

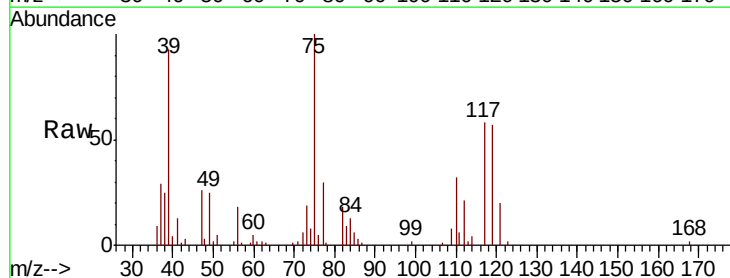


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

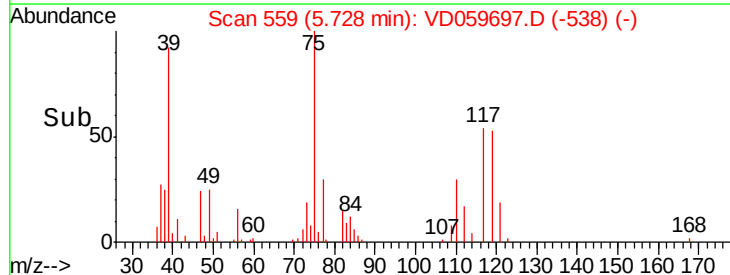
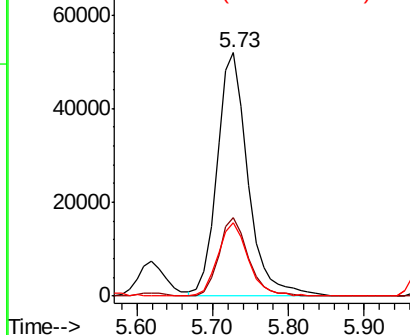


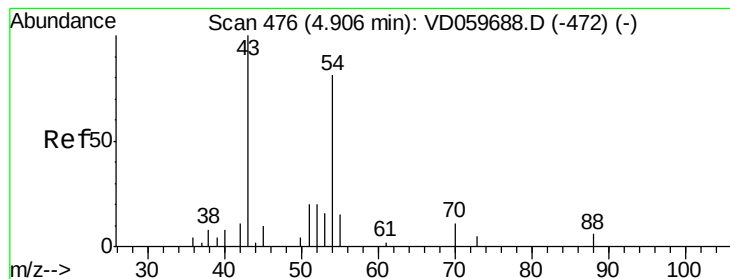
#36
 1,1-Dichloropropene
 Concen: 48.677 ug/l
 RT: 5.73 min Scan# 559
 Delta R.T. 0.01 min
 Lab File: VD059697.D
 Acq: 7 Aug 2018 11:07

Tgt Ion: 75 Resp: 146812
 Ion Ratio Lower Upper
 75 100
 110 32.3 14.1 42.3
 77 30.3 23.9 35.9



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 51.200 ug/l

RT: 4.90 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD059697.D

Acq: 7 Aug 2018 11:07

Instrument :

MSVOA_D

ClientSampleId :

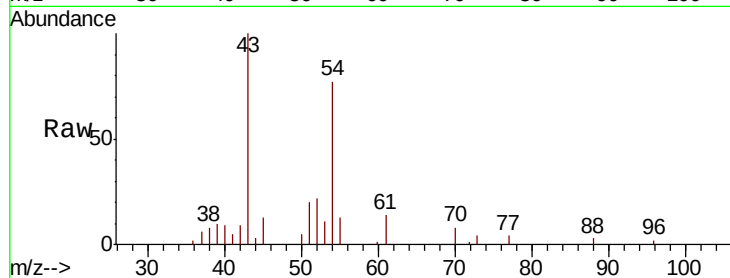
Tot Ion: 43 Resp: 74978

Ion Ratio Lower Upper

43 100

61 13.7 10.1 15.1

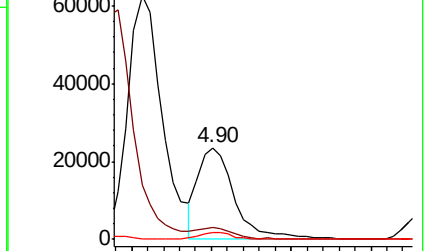
70 7.8 5.4 8.2



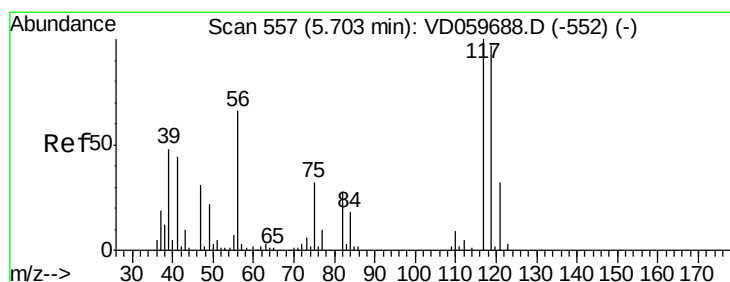
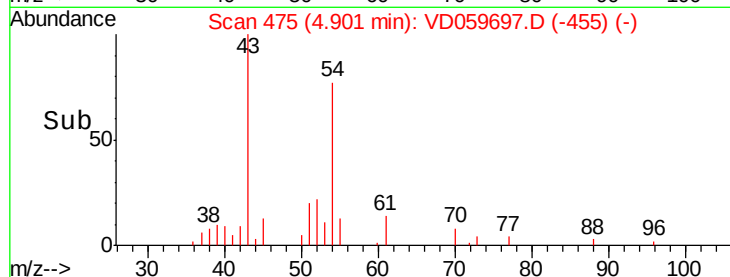
Abundance Ion 42.95 (42.65 to 43.65): VD059688.D (-472) (-)

Ion 60.95 (60.65 to 61.65): VD059688.D (-472) (-)

Ion 70.00 (69.70 to 70.70): VD059688.D (-472) (-)



Time-->



#38

Carbon Tetrachloride

Concen: 50.554 ug/l

RT: 5.71 min Scan# 557

Delta R.T. 0.01 min

Lab File: VD059697.D

Acq: 7 Aug 2018 11:07

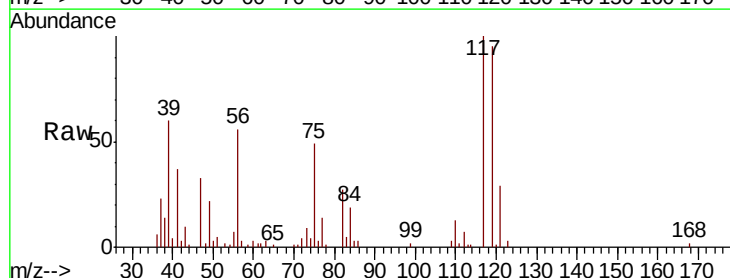
Tgt Ion: 117 Resp: 204046

Ion Ratio Lower Upper

117 100

119 94.6 75.3 112.9

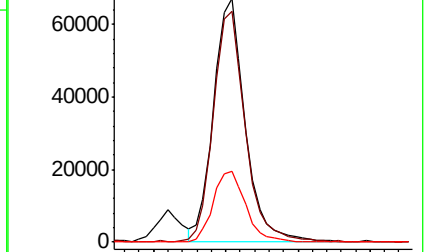
121 29.2 24.4 36.6



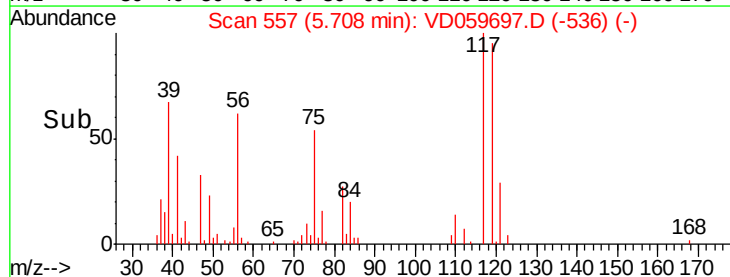
Abundance Ion 116.85 (116.55 to 117.55): VD059688.D (-552) (-)

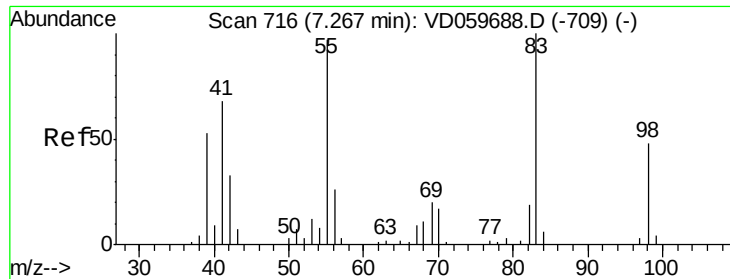
Ion 118.85 (118.55 to 119.55): VD059688.D (-552) (-)

Ion 120.85 (120.55 to 121.55): VD059688.D (-552) (-)



Time-->

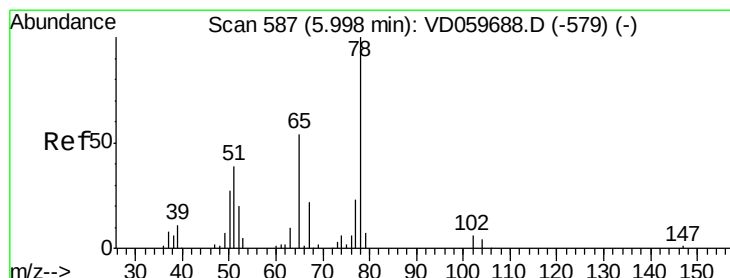
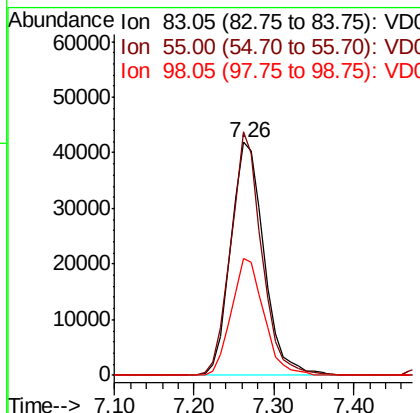
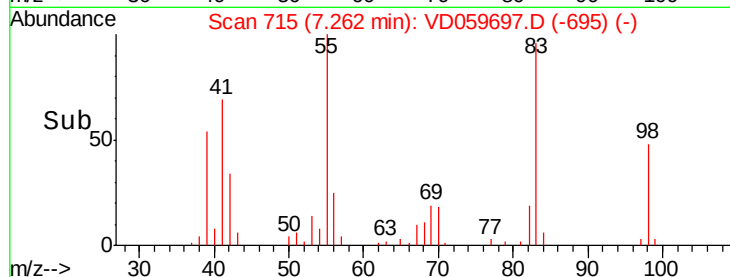
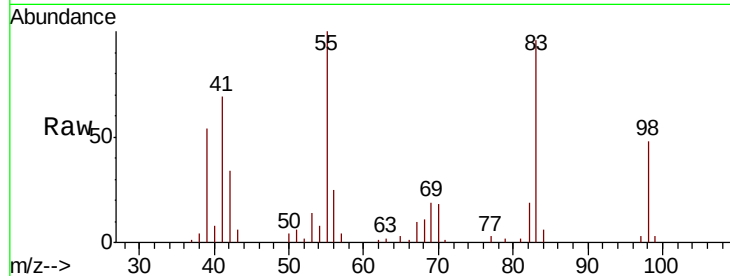




#39
Methylvlcyclohexane
Concen: 47.670 ug/l
RT: 7.26 min Scan# 715
Delta R.T. -0.00 min
Lab File: VD059697.D
Acq: 7 Aug 2018 11:07

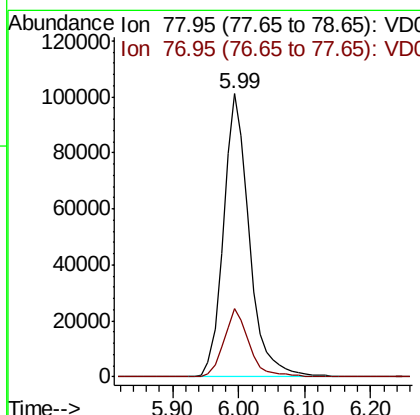
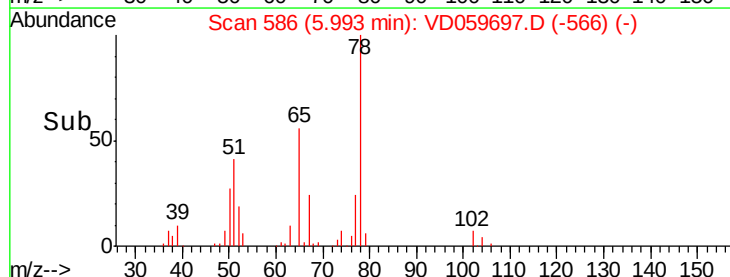
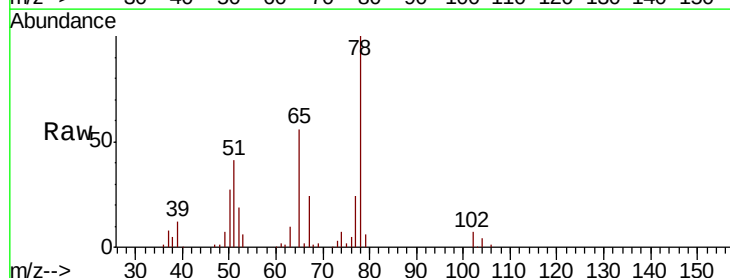
Instrument :
MSVOA_D
ClientSampled :

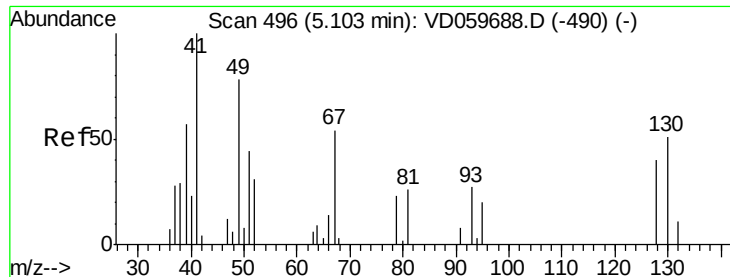
Tot Ion: 83 Resp: 121509
Ion Ratio Lower Upper
83 100
55 104.5 77.7 116.5
98 50.0 38.7 58.1



#40
Benzene
Concen: 47.246 ug/l
RT: 5.99 min Scan# 586
Delta R.T. -0.00 min
Lab File: VD059697.D
Acq: 7 Aug 2018 11:07

Tgt Ion: 78 Resp: 276359
Ion Ratio Lower Upper
78 100
77 24.3 18.4 27.6

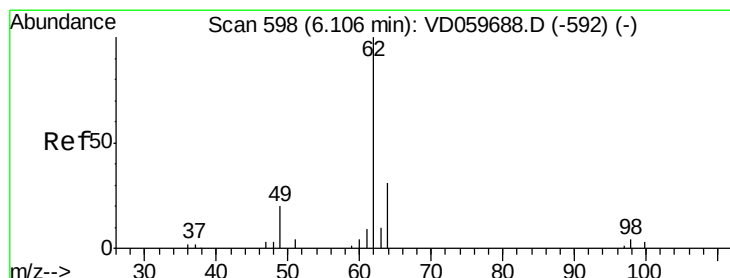
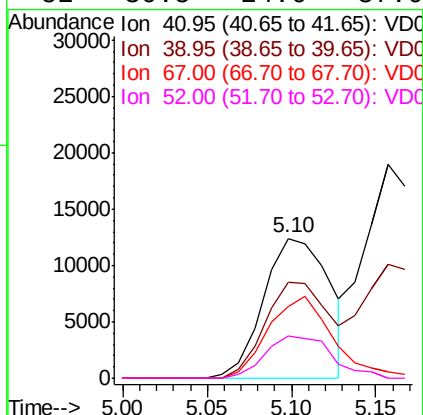
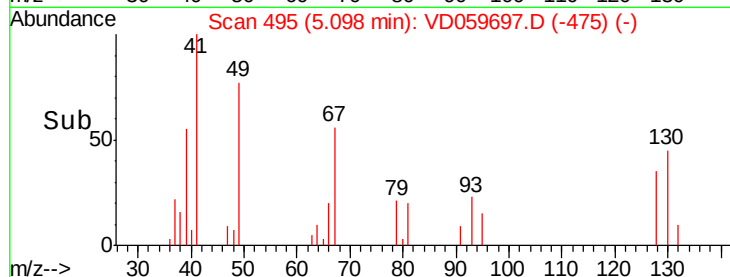
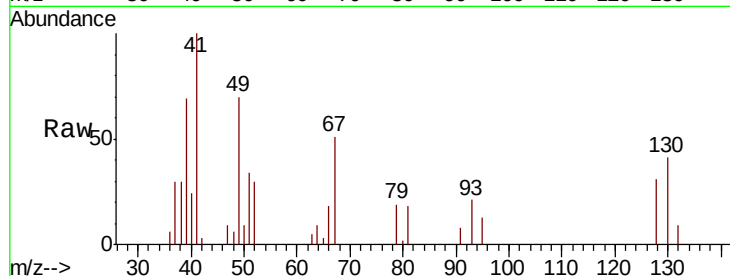




#41
Methacrylonitrile
Concen: 49.133 ug/l
RT: 5.10 min Scan# 495
Delta R.T. -0.00 min
Lab File: VD059697.D
Acq: 7 Aug 2018 11:07

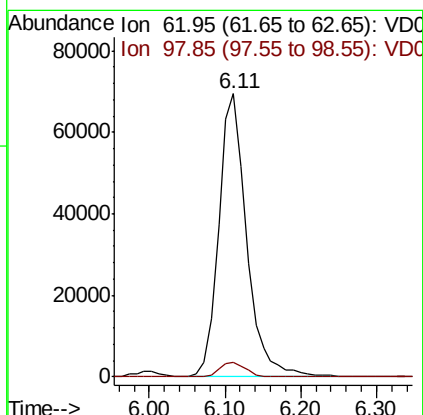
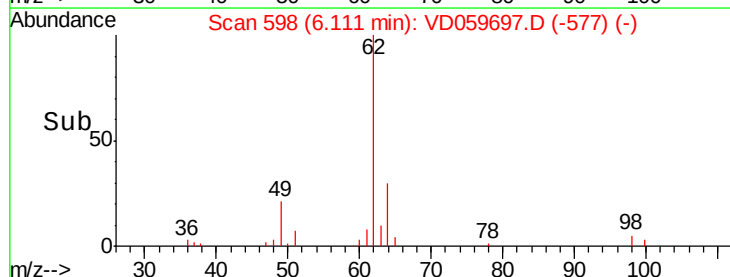
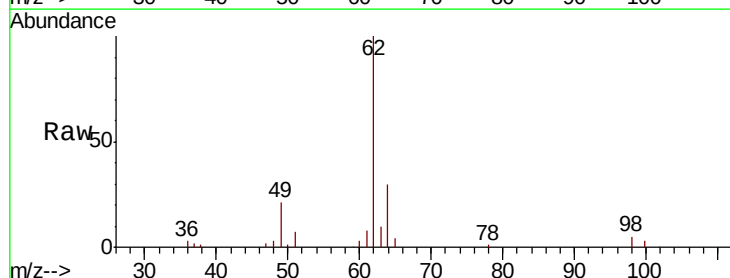
Instrument :
MSVOA_D
ClientSampleID :

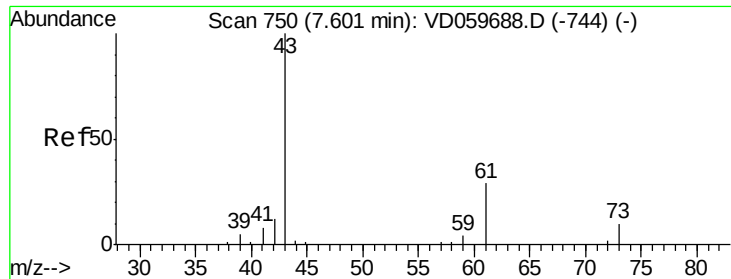
Tot Ion: 41 Resp: 33641
Ion Ratio Lower Upper
41 100
39 68.6 45.8 68.8
67 51.0 43.4 65.2
52 30.5 24.6 37.0



#42
1,2-Dichloroethane
Concen: 49.131 ug/l
RT: 6.11 min Scan# 598
Delta R.T. 0.01 min
Lab File: VD059697.D
Acq: 7 Aug 2018 11:07

Tgt Ion: 62 Resp: 177666
Ion Ratio Lower Upper
62 100
98 5.1 0.0 8.8

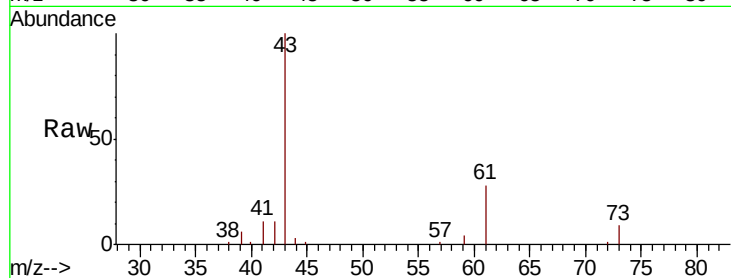




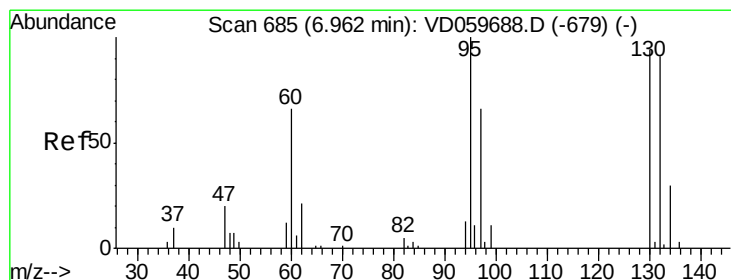
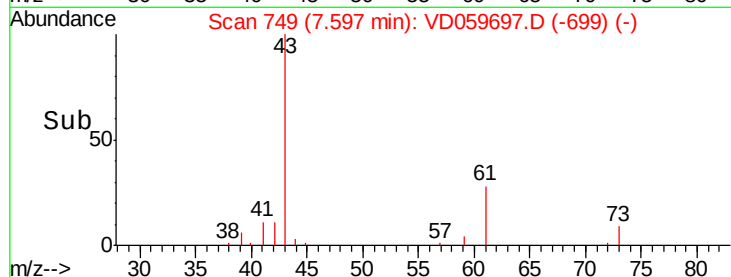
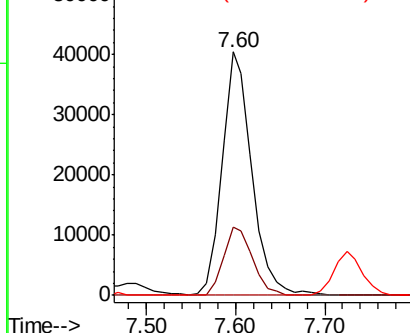
#43
Isopropyl Acetate
Concen: 49.282 ug/l
RT: 7.60 min Scan# 749
Delta R.T. -0.00 min
Lab File: VD059697.D
Acq: 7 Aug 2018 11:07

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 43 Resp: 94327
Ion Ratio Lower Upper
43 100
61 28.2 22.9 34.3
87 0.0 0.0 0.0

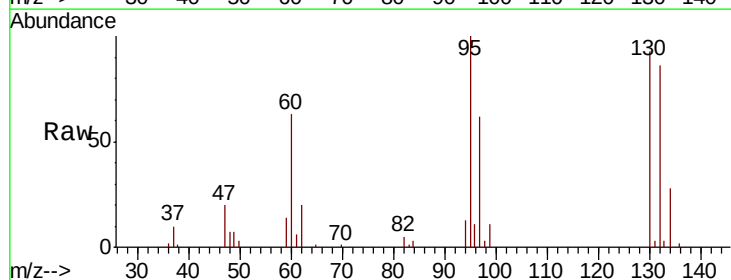


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

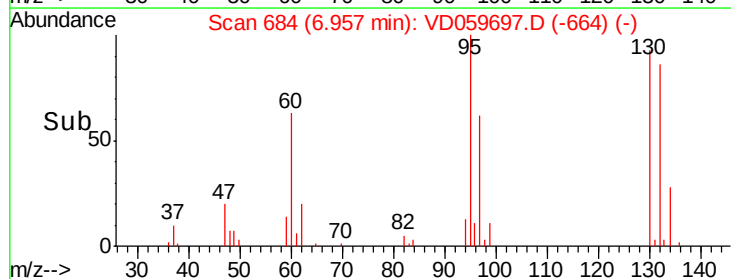
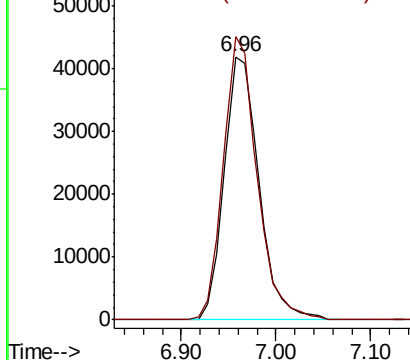


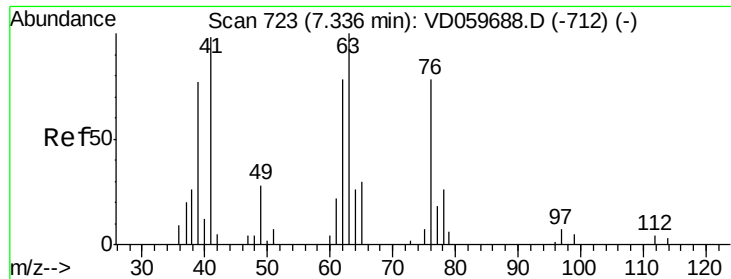
#44
Trichloroethene
Concen: 49.865 ug/l
RT: 6.96 min Scan# 684
Delta R.T. -0.00 min
Lab File: VD059697.D
Acq: 7 Aug 2018 11:07

Tgt Ion:130 Resp: 106564
Ion Ratio Lower Upper
130 100
95 107.6 0.0 212.8



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC

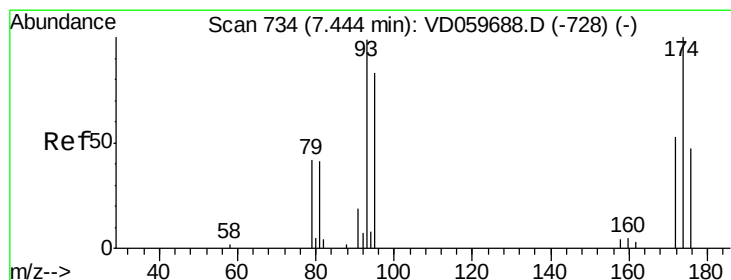
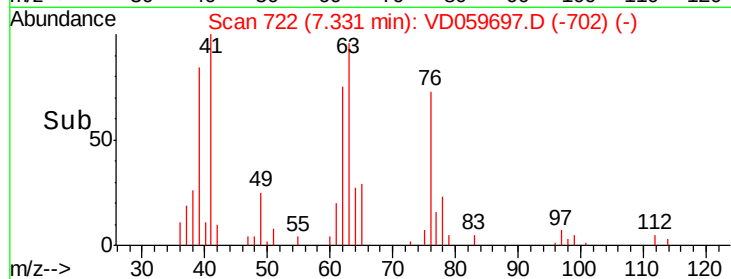
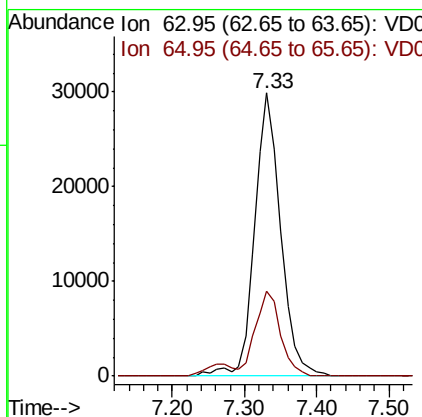
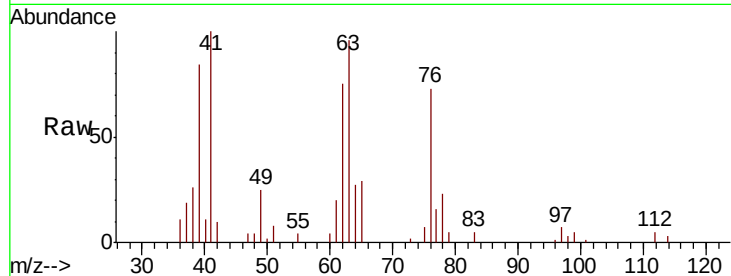




#45
 1,2-Dichloropropane
 Concen: 48.679 ug/l
 RT: 7.33 min Scan# 722
 Delta R.T. -0.00 min
 Lab File: VD059697.D
 Acq: 7 Aug 2018 11:07

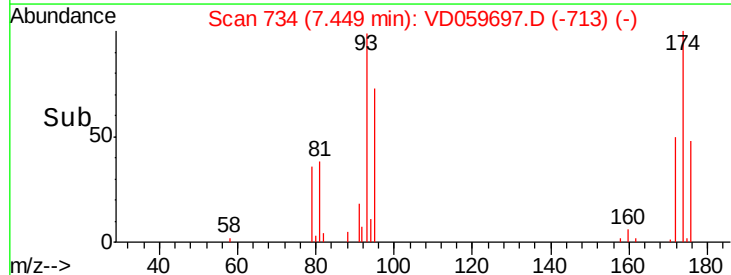
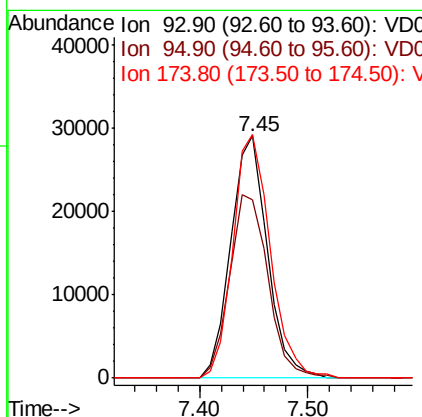
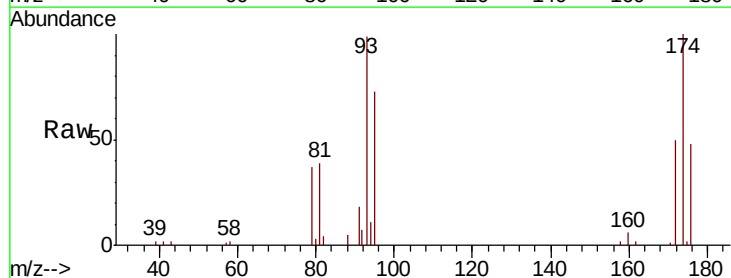
Instrument :
 MSVOA_D
 ClientSampleId :

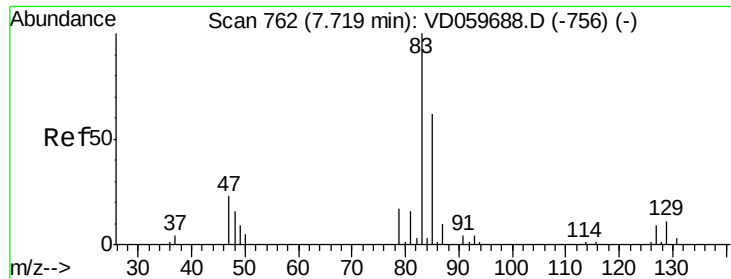
Tot Ion: 63 Resp: 75188
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.2 36.4



#46
 Dibromomethane
 Concen: 50.834 ug/l
 RT: 7.45 min Scan# 734
 Delta R.T. 0.01 min
 Lab File: VD059697.D
 Acq: 7 Aug 2018 11:07

Tgt Ion: 93 Resp: 68040
 Ion Ratio Lower Upper
 93 100
 95 74.0 66.6 100.0
 174 100.7 80.6 120.8





#47

Bromodichloromethane

Concen: 49.844 ug/l

RT: 7.72 min Scan# 762

Delta R.T. 0.01 min

Lab File: VD059697.D

Acq: 7 Aug 2018 11:07

Instrument :

MSVOA_D

ClientSampled :

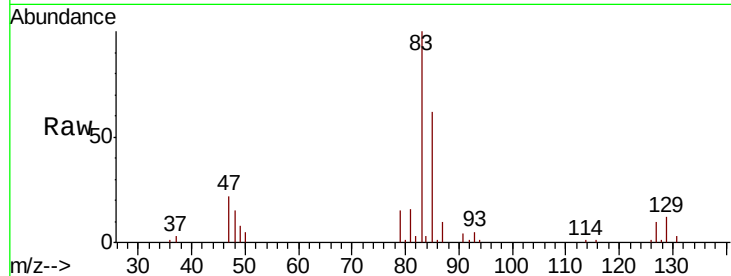
Tot Ion: 83 Resp: 169926

Ion Ratio Lower Upper

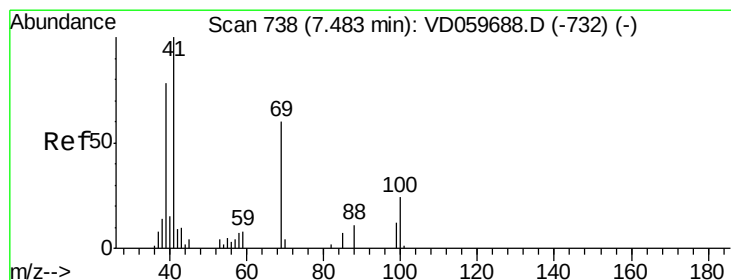
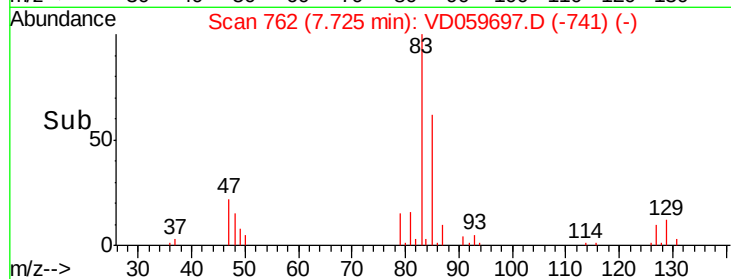
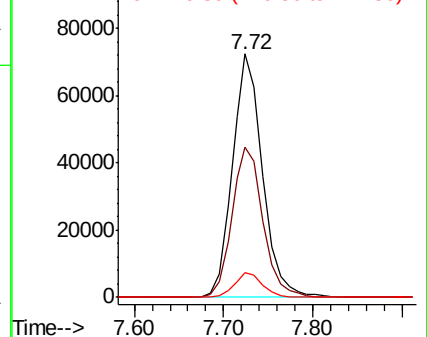
83 100

85 61.8 49.8 74.8

127 10.3 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: 52.289 ug/l

RT: 7.49 min Scan# 738

Delta R.T. 0.01 min

Lab File: VD059697.D

Acq: 7 Aug 2018 11:07

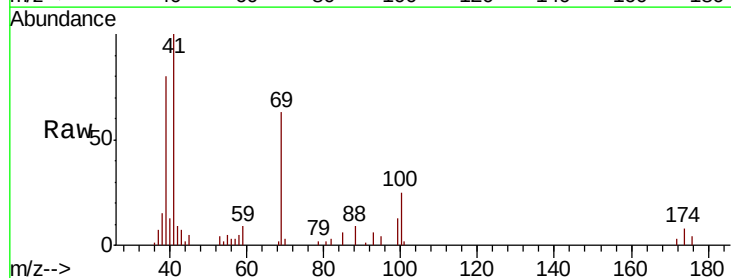
Tgt Ion: 41 Resp: 66059

Ion Ratio Lower Upper

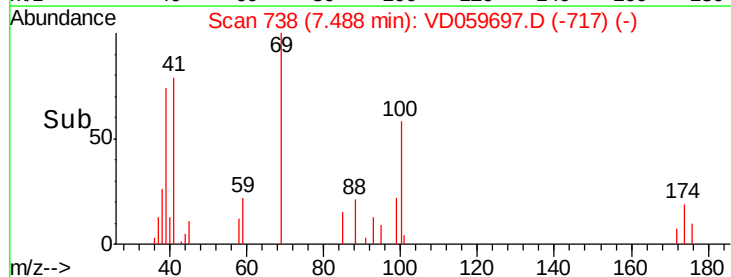
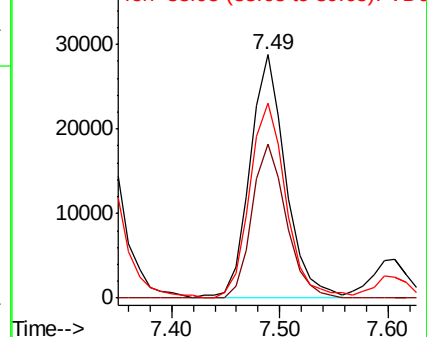
41 100

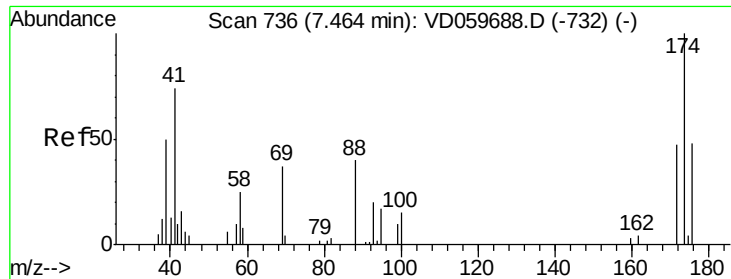
69 63.2 47.3 70.9

39 80.1 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

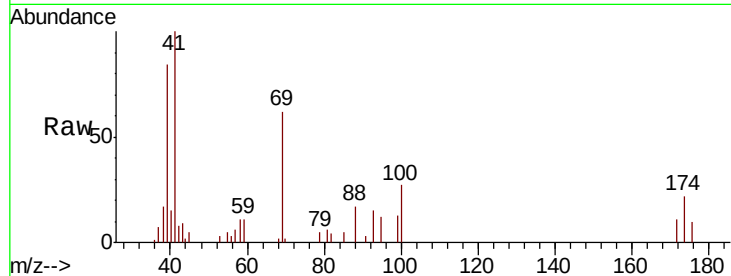




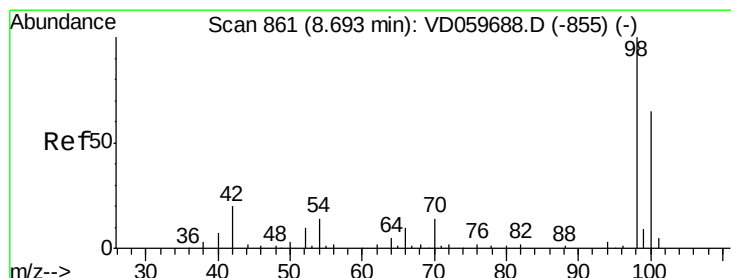
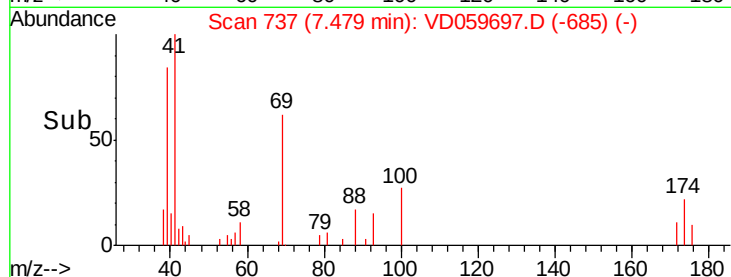
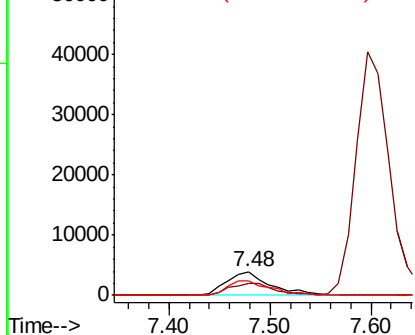
#49
1,4-Dioxane
Concen: 1062.653 ug/l
RT: 7.48 min Scan# 737
Delta R.T. 0.02 min
Lab File: VD059697.D
Acq: 7 Aug 2018 11:07

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 11740
Ion Ratio Lower Upper
88 100
43 52.5 32.2 48.2#
58 62.6 51.5 77.3

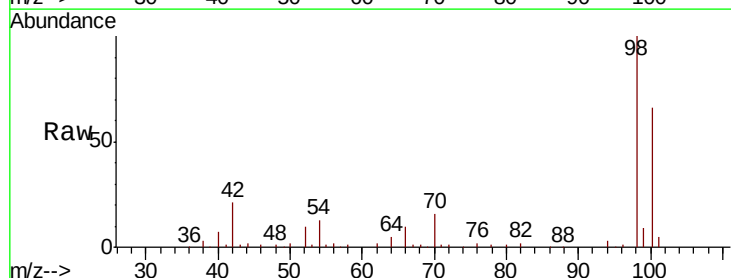


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

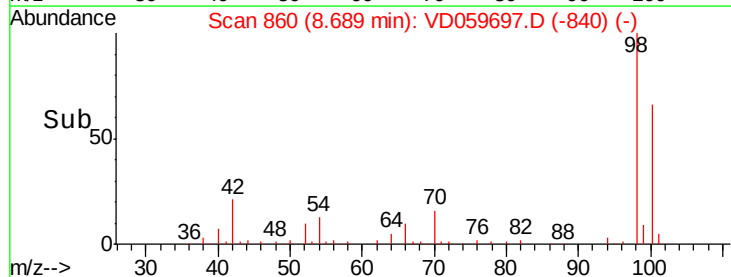
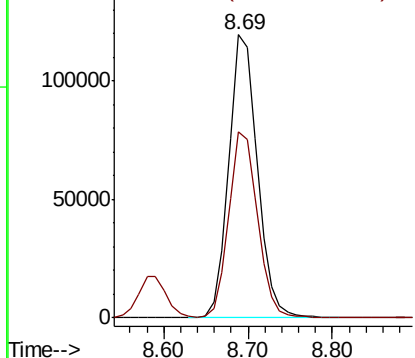


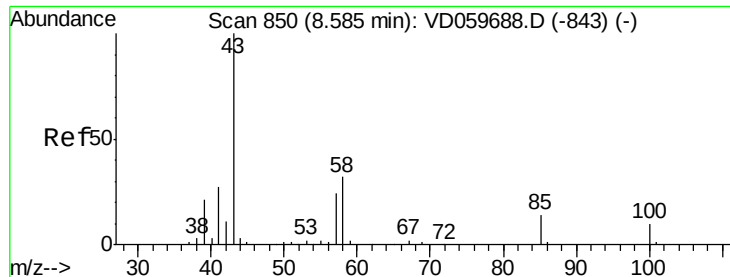
#50
Toluene-d8
Concen: 1062.653 ug/l
RT: 8.69 min Scan# 860
Delta R.T. -0.00 min
Lab File: VD059697.D
Acq: 7 Aug 2018 11:07

Tgt Ion: 98 Resp: 281981
Ion Ratio Lower Upper
98 100
100 65.6 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: 265.575 ug/l

RT: 8.58 min Scan# 849

Delta R.T. -0.00 min

Lab File: VD059697.D

Acq: 7 Aug 2018 11:07

Instrument :

MSVOA_D

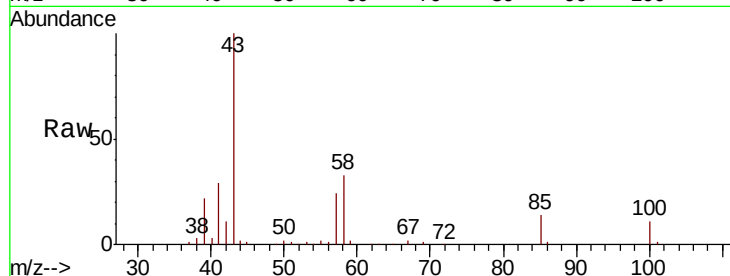
ClientSampleId :

Tot Ion: 43 Resp: 370714

Ion Ratio Lower Upper

43 100

58 32.8 25.7 38.5



Abundance Ion 42.95 (42.65 to 43.65): VD059688.D (-843) (-)

Ion 57.95 (57.65 to 58.65): VD059688.D (-843) (-)

8.58

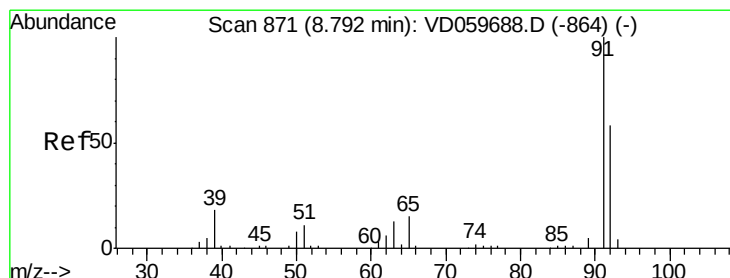
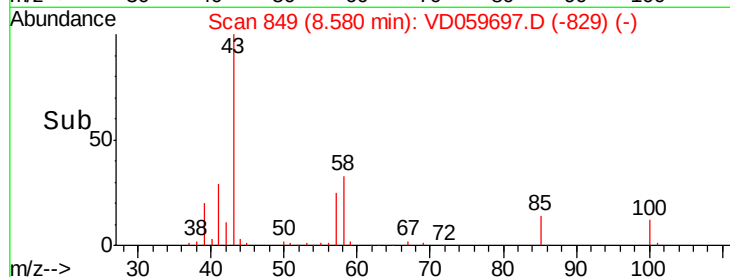
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 47.120 ug/l

RT: 8.79 min Scan# 870

Delta R.T. -0.00 min

Lab File: VD059697.D

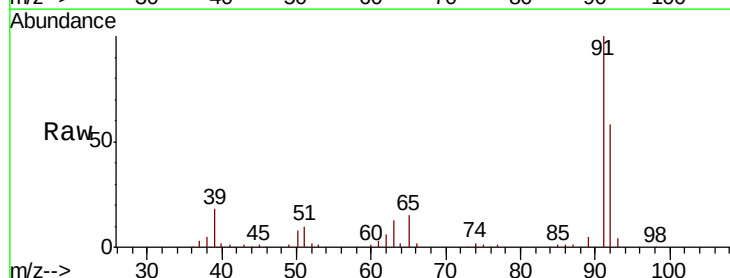
Acq: 7 Aug 2018 11:07

Tgt Ion: 92 Resp: 175819

Ion Ratio Lower Upper

92 100

91 172.7 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VD059688.D (-864) (-)

Ion 91.00 (90.70 to 91.70): VD059688.D (-864) (-)

8.79

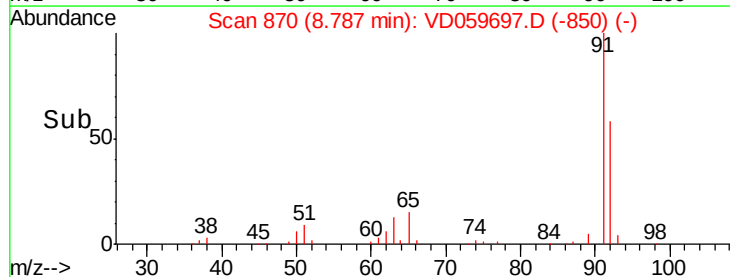
150000

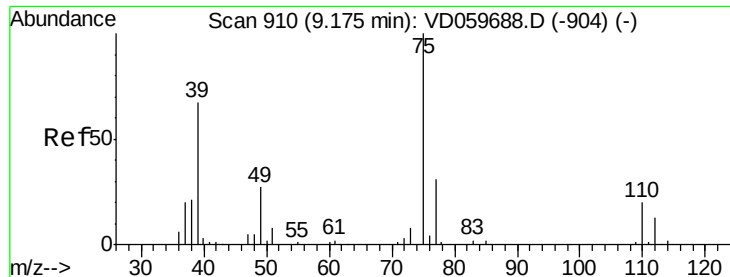
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.419 ug/l

RT: 9.17 min Scan# 909

Delta R.T. -0.00 min

Lab File: VD059697.D

Acq: 7 Aug 2018 11:07

Instrument :

MSVOA_D

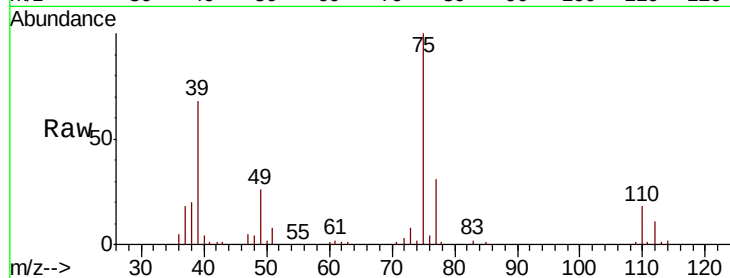
ClientSampleId :

Tot Ion: 75 Resp: 145422

Ion Ratio Lower Upper

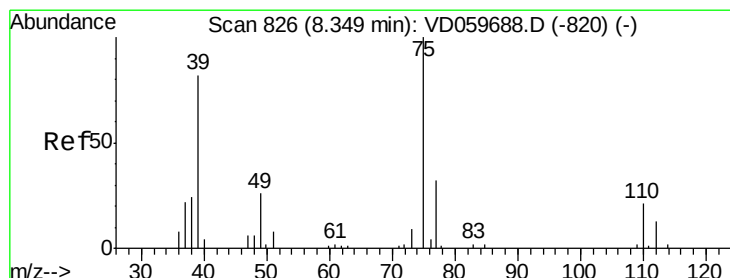
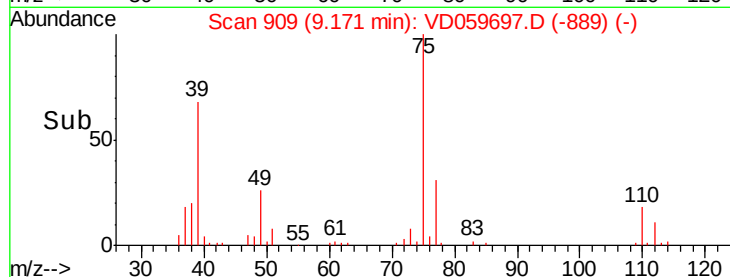
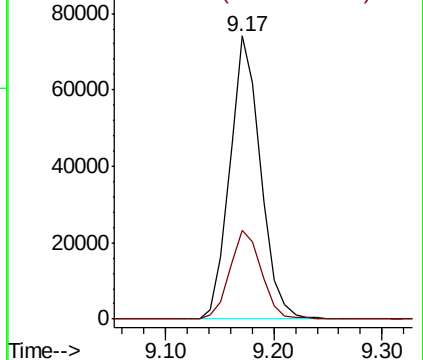
75 100

77 31.3 24.7 37.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 48.951 ug/l

RT: 8.34 min Scan# 825

Delta R.T. -0.00 min

Lab File: VD059697.D

Acq: 7 Aug 2018 11:07

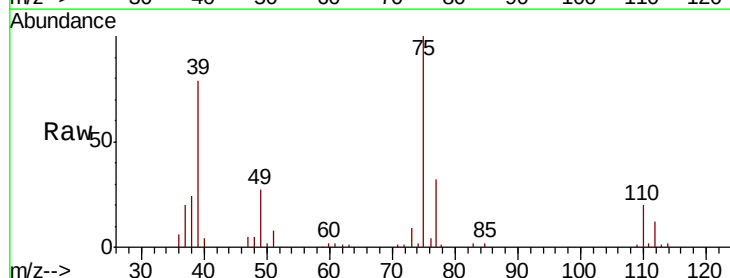
Tgt Ion: 75 Resp: 145422

Ion Ratio Lower Upper

75 100

77 31.6 25.5 38.3

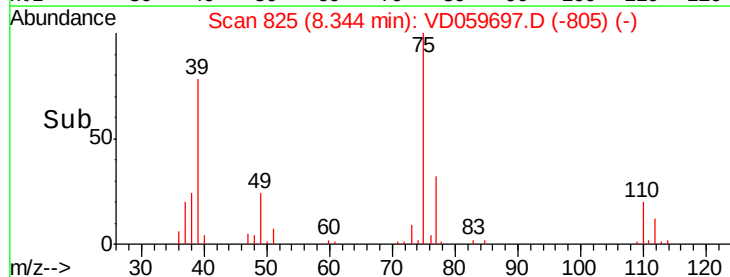
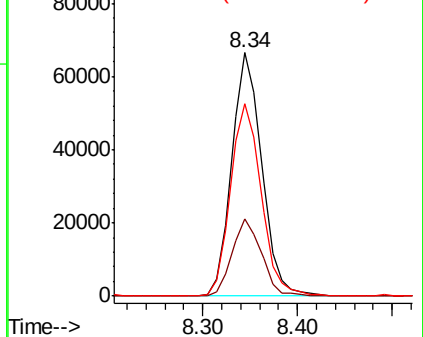
39 79.1 65.4 98.2

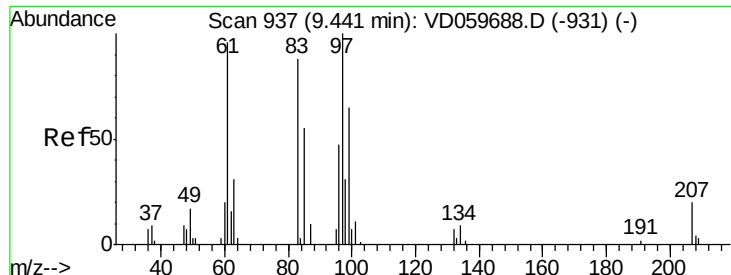


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

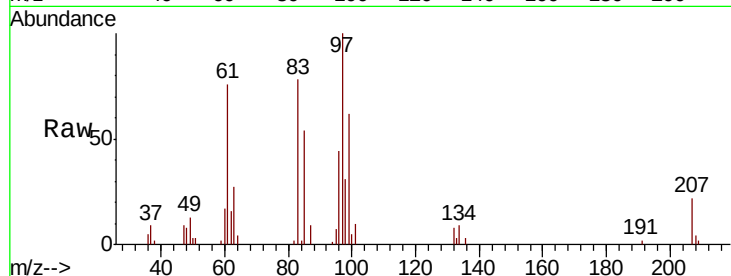




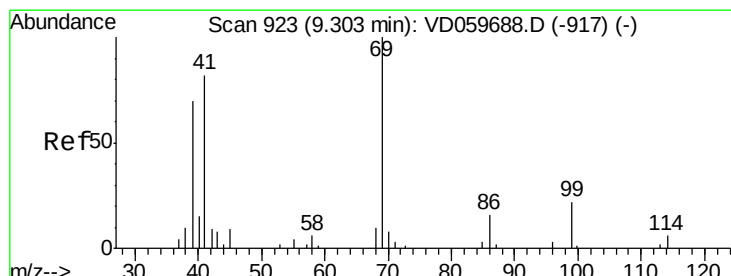
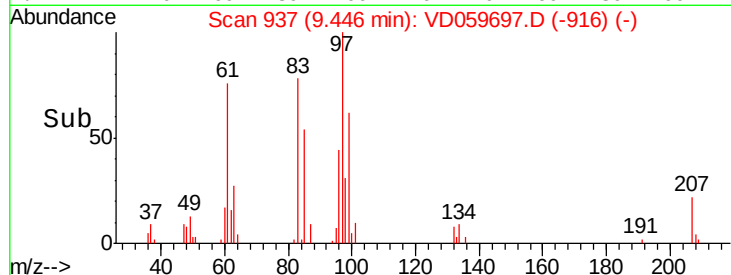
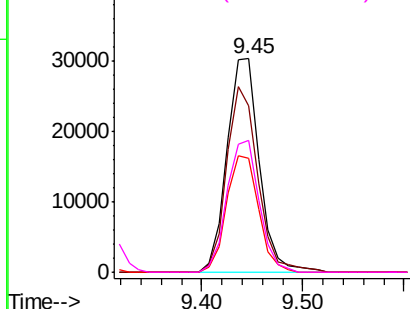
#55
 1,1,2-Trichloroethane
 Concen: 47.038 ug/l
 RT: 9.45 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VD059697.D
 Acq: 7 Aug 2018 11:07

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 67413
 Ion Ratio Lower Upper
 97 100
 83 77.6 70.8 106.2
 85 53.6 44.1 66.1
 99 61.7 52.2 78.4

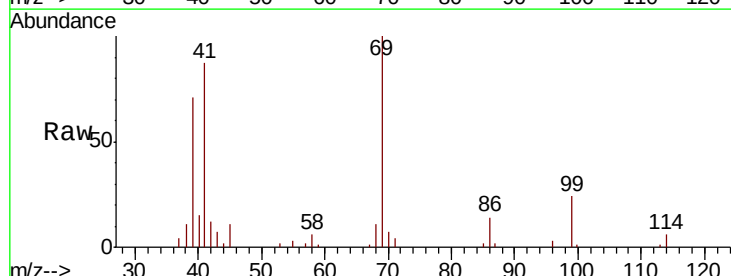


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

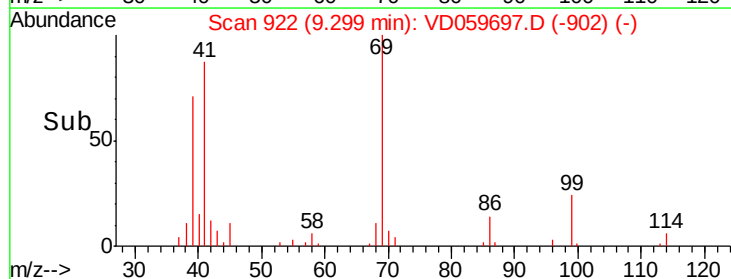
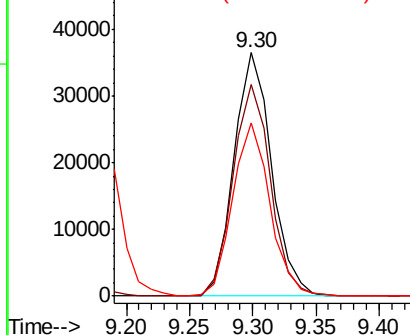


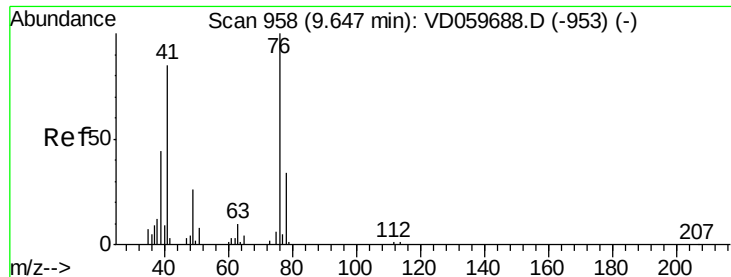
#56
 Ethyl methacrylate
 Concen: 47.476 ug/l
 RT: 9.30 min Scan# 922
 Delta R.T. -0.00 min
 Lab File: VD059697.D
 Acq: 7 Aug 2018 11:07

Tgt Ion: 69 Resp: 75073
 Ion Ratio Lower Upper
 69 100
 41 87.1 65.7 98.5
 39 71.1 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: 49.370 ug/l

RT: 9.65 min Scan# 958

Delta R.T. 0.01 min

Lab File: VD059697.D

Acq: 7 Aug 2018 11:07

Instrument :

MSVOA_D

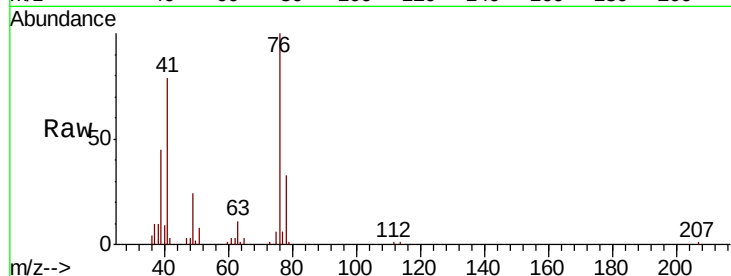
ClientSampleID :

Tot Ion: 76 Resp: 109793

Ion Ratio Lower Upper

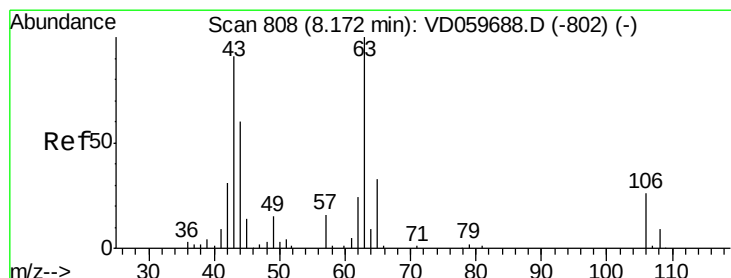
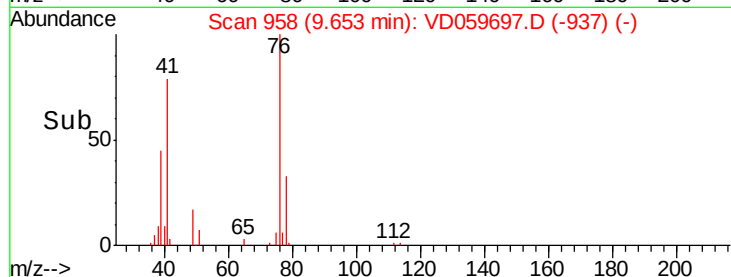
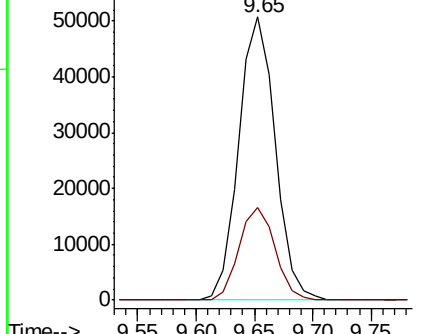
76 100

78 32.8 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: 267.276 ug/l

RT: 8.18 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD059697.D

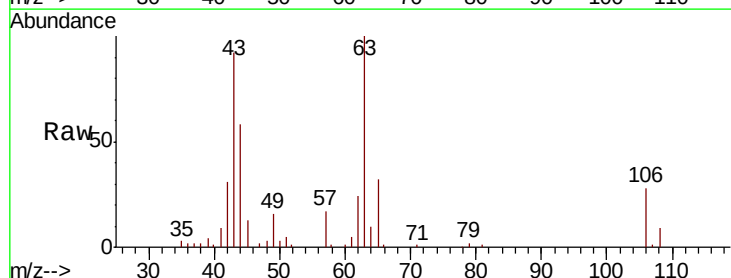
Acq: 7 Aug 2018 11:07

Tgt Ion: 63 Resp: 201352

Ion Ratio Lower Upper

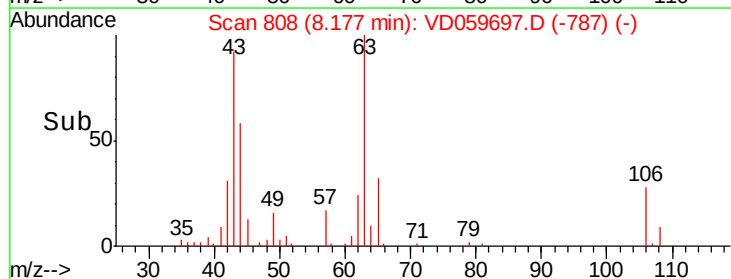
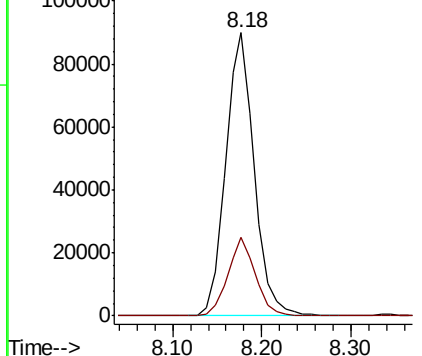
63 100

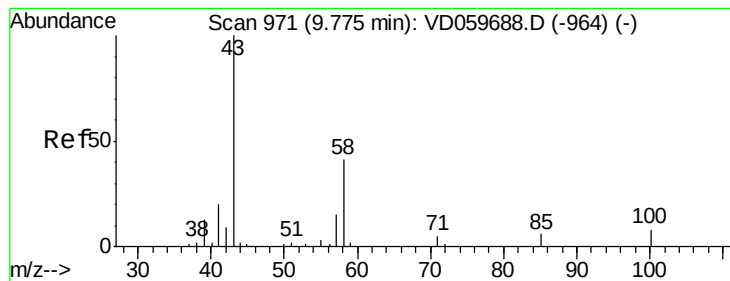
106 27.8 20.7 31.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC





#59

2-Hexanone

Concen: 278.707 ug/l

RT: 9.77 min Scan# 970

Delta R.T. -0.00 min

Lab File: VD059697.D

Acq: 7 Aug 2018 11:07

Instrument :

MSVOA_D

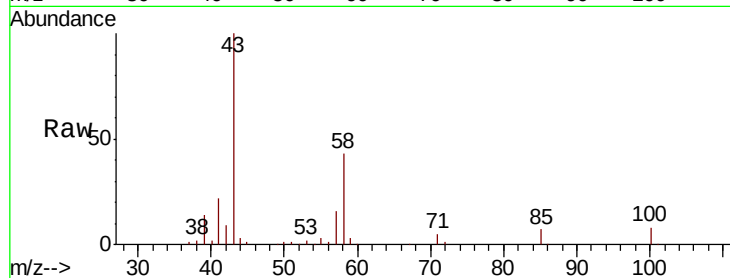
ClientSampleId :

Tot Ion: 43 Resp: 292145

Ion Ratio Lower Upper

43 100

58 42.6 20.4 61.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.77

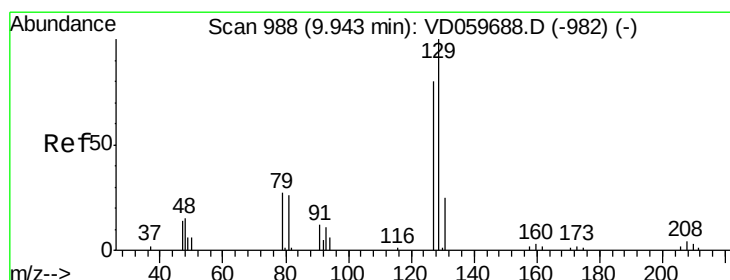
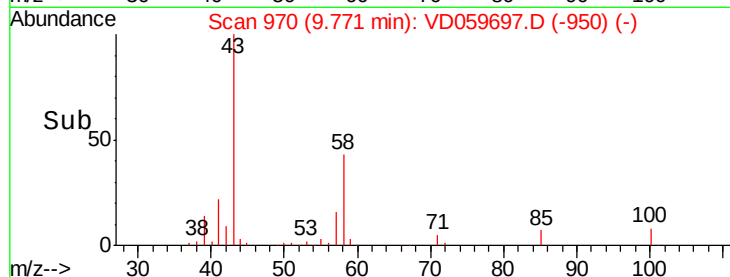
150000

100000

50000

0

Time-->



#60

Dibromochloromethane

Concen: 51.777 ug/l

RT: 9.95 min Scan# 988

Delta R.T. 0.01 min

Lab File: VD059697.D

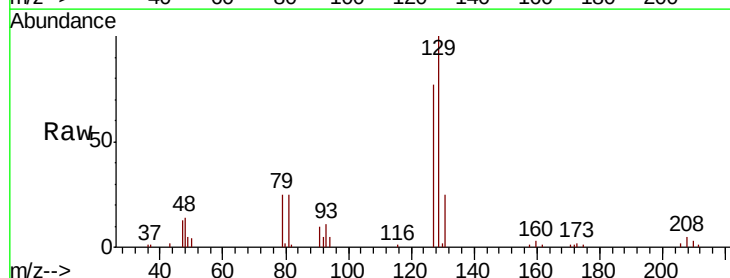
Acq: 7 Aug 2018 11:07

Tgt Ion:129 Resp: 117921

Ion Ratio Lower Upper

129 100

127 77.3 40.0 119.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.95

60000

50000

40000

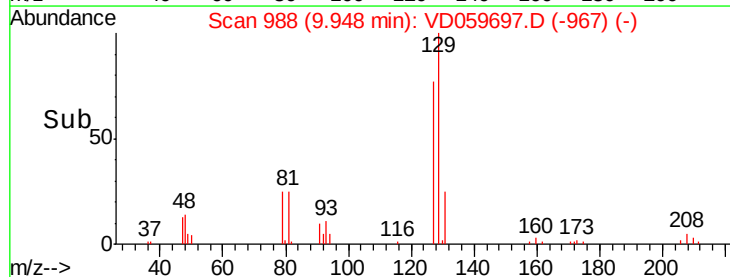
30000

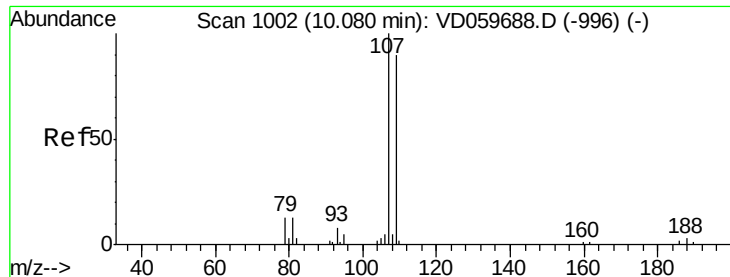
20000

10000

0

Time-->





#61

1,2-Dibromoethane

Concen: 49.803 ug/l

RT: 10.09 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VD059697.D

Acq: 7 Aug 2018 11:07

Instrument :

MSVOA_D

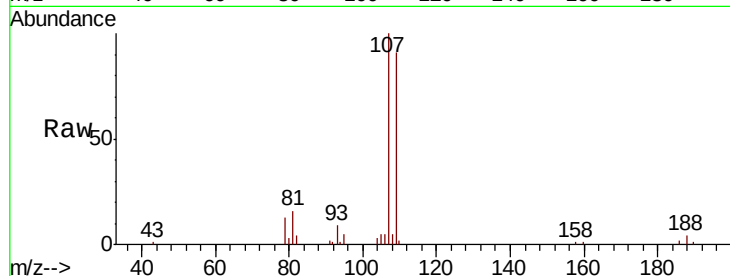
ClientSampleId :

Tot Ion:107 Resp: 82072

Ion Ratio Lower Upper

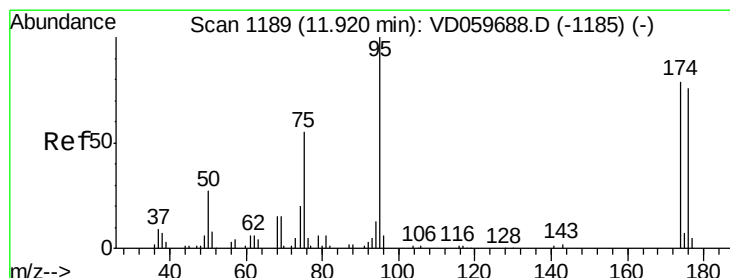
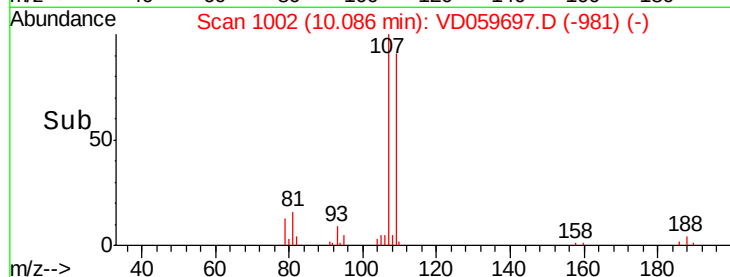
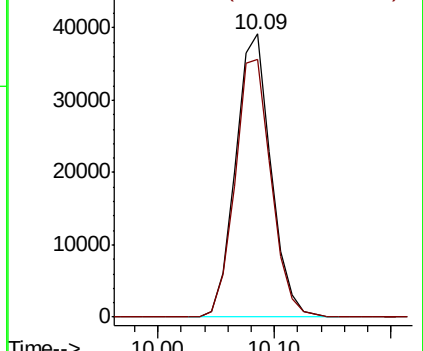
107 100

109 90.9 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: 49.803 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD059697.D

Acq: 7 Aug 2018 11:07

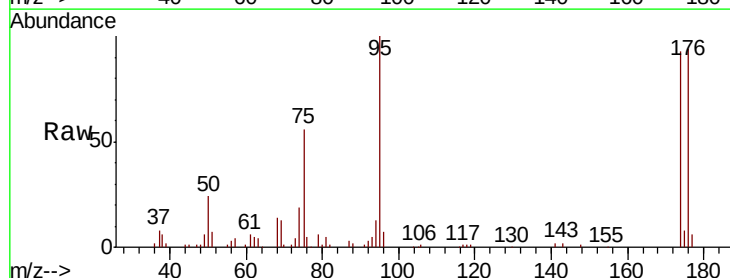
Tgt Ion: 95 Resp: 128648

Ion Ratio Lower Upper

95 100

174 93.5 0.0 158.4

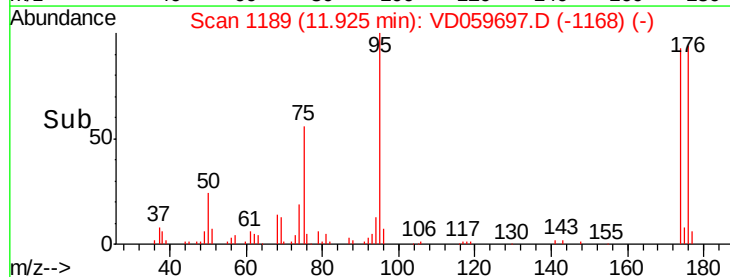
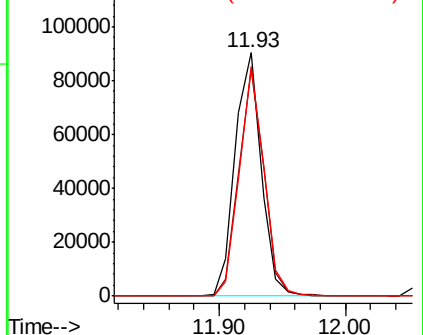
176 94.5 0.0 153.0

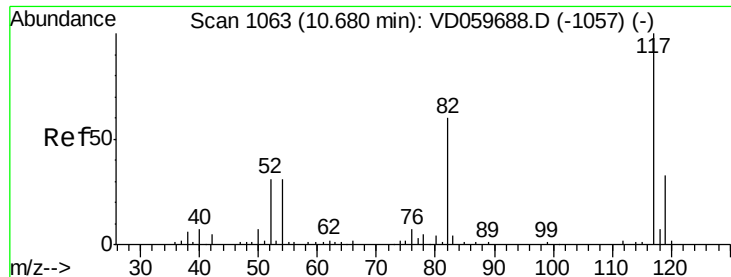


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

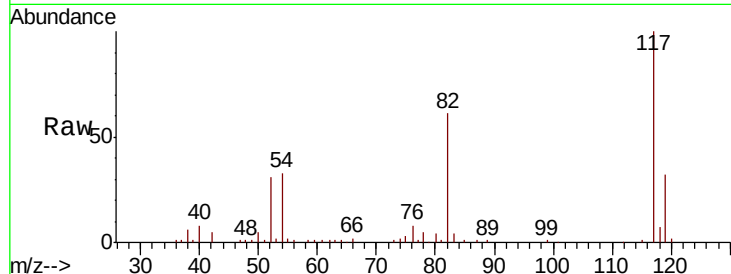




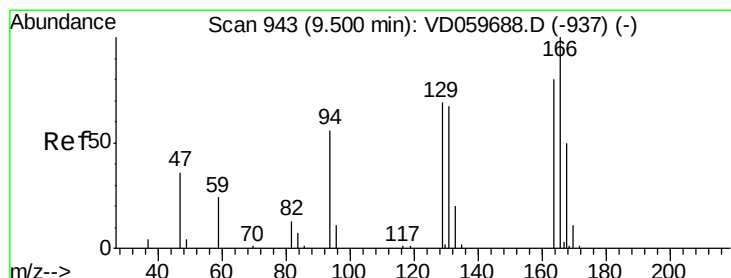
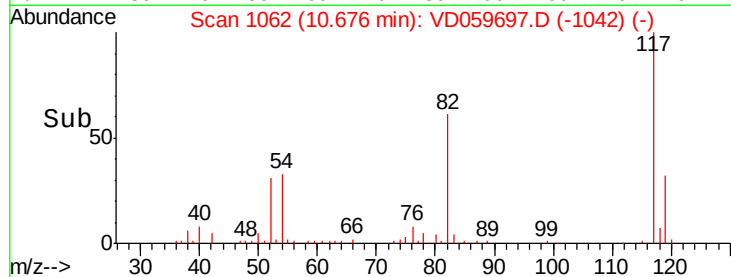
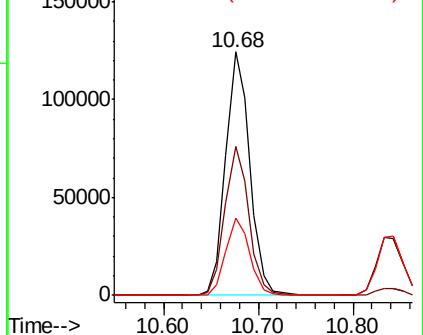
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.00 min
Lab File: VD059697.D
Acq: 7 Aug 2018 11:07

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 219344
Ion Ratio Lower Upper
117 100
82 61.2 47.7 71.5
119 31.6 26.6 40.0



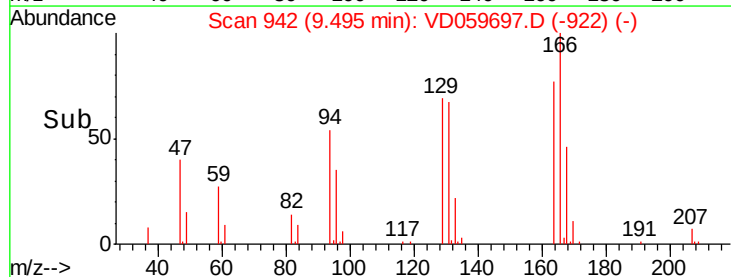
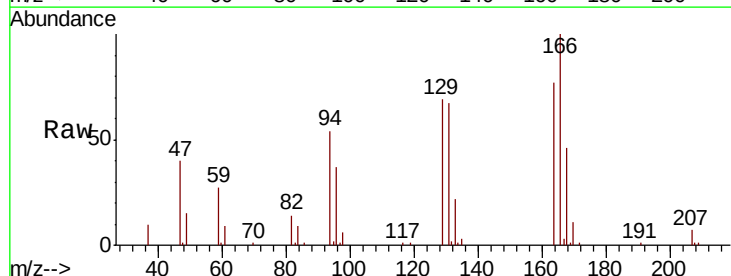
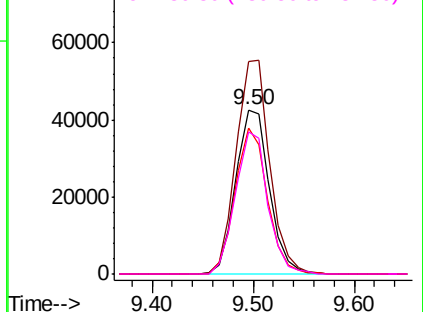
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

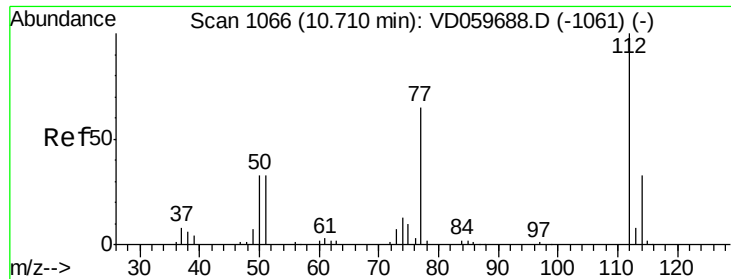


#64
Tetrachloroethene
Concen: 47.553 ug/l
RT: 9.50 min Scan# 942
Delta R.T. -0.00 min
Lab File: VD059697.D
Acq: 7 Aug 2018 11:07

Tgt Ion:164 Resp: 98759
Ion Ratio Lower Upper
164 100
166 129.7 100.5 150.7
129 89.1 69.3 103.9
131 86.9 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

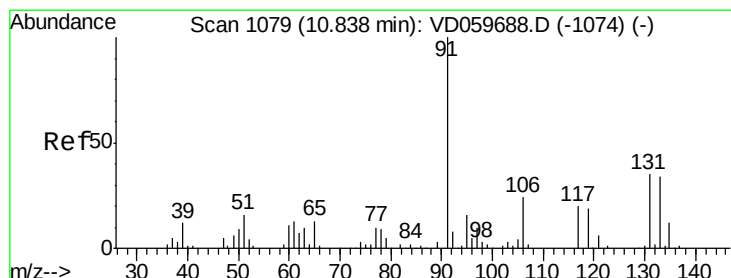
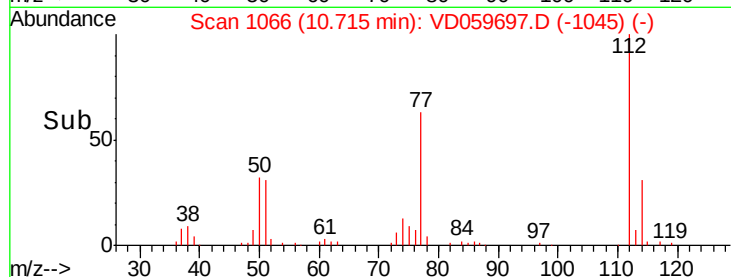
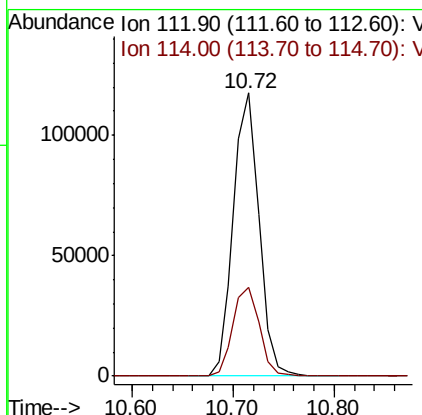
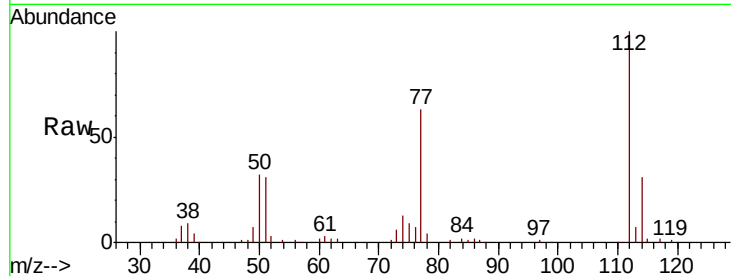




#65
Chlorobenzene
Concen: 45.139 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VD059697.D
Acq: 7 Aug 2018 11:07

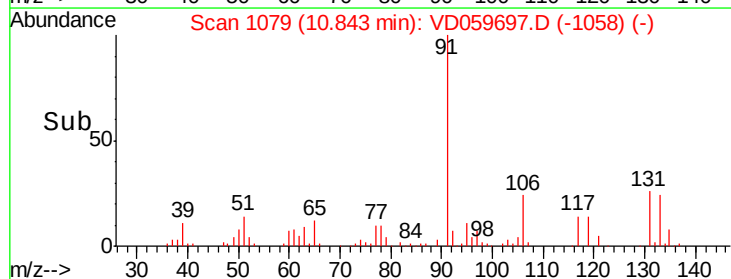
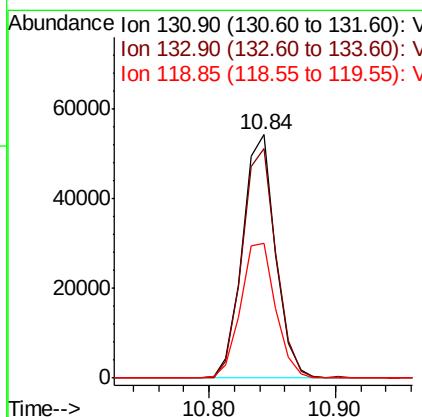
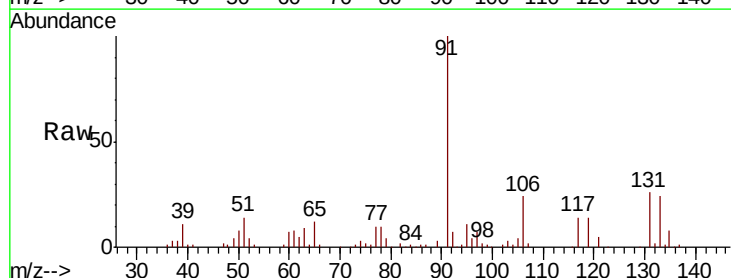
Instrument :
MSVOA_D
ClientSampled :

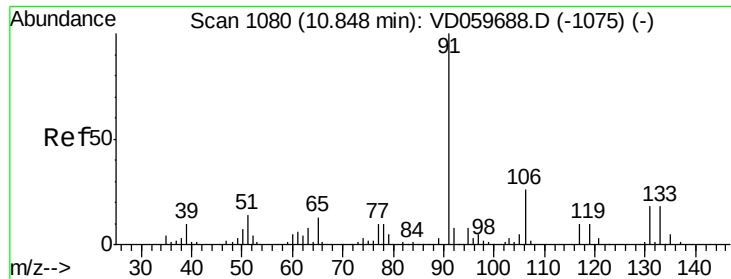
Tot Ion:112 Resp: 208640
Ion Ratio Lower Upper
112 100
114 31.4 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 48.439 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. 0.01 min
Lab File: VD059697.D
Acq: 7 Aug 2018 11:07

Tgt Ion:131 Resp: 98157
Ion Ratio Lower Upper
131 100
133 94.1 49.7 149.1
119 55.4 27.0 80.8

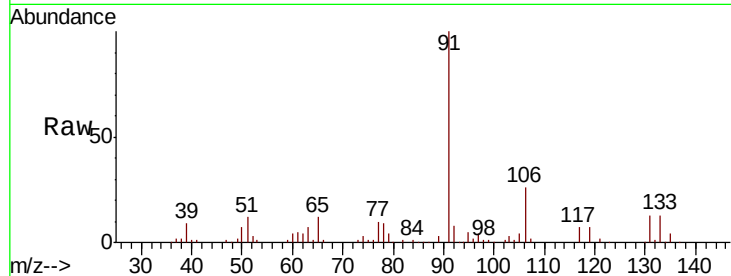




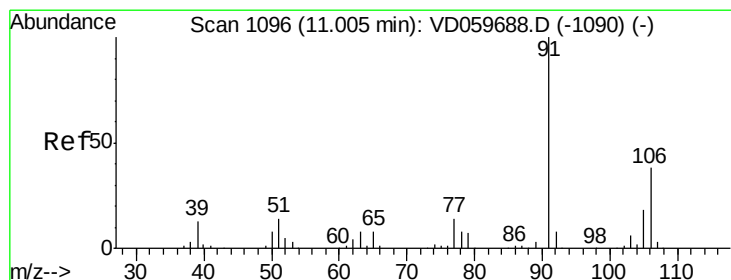
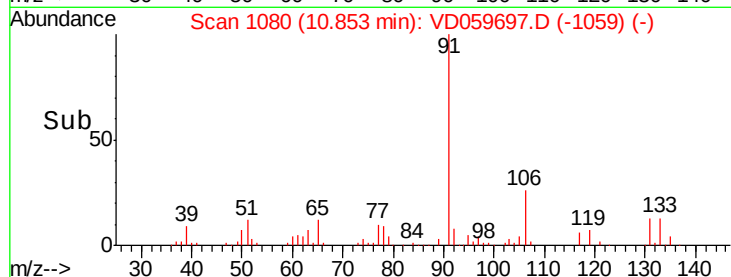
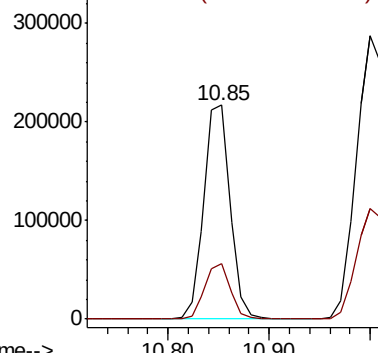
#67
Ethyl Benzene
Concen: 47.287 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD059697.D
Acq: 7 Aug 2018 11:07

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 393639
Ion Ratio Lower Upper
91 100
106 26.1 20.9 31.3

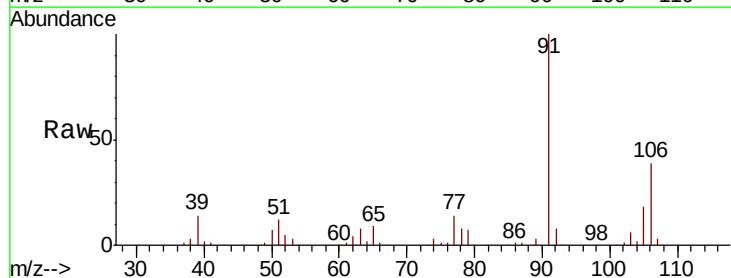


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

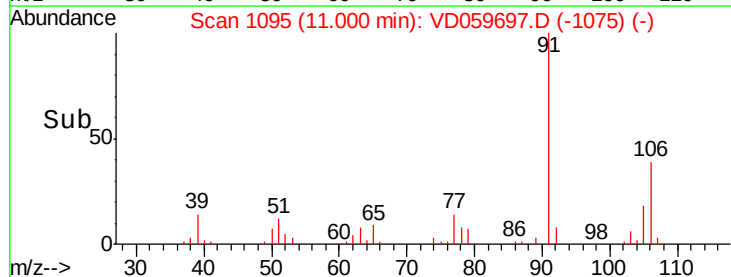
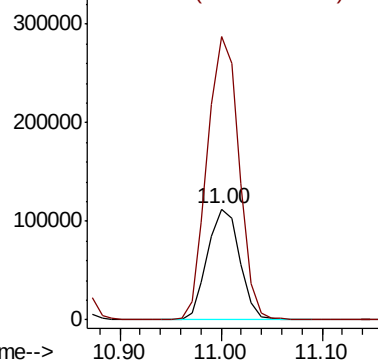


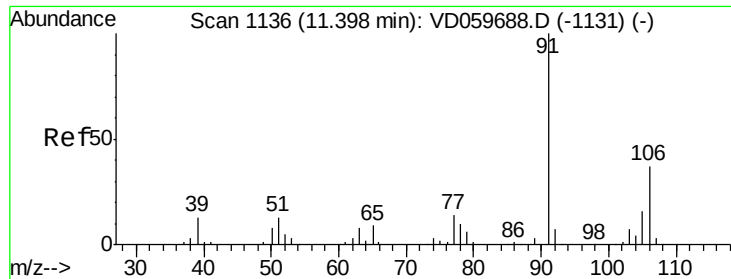
#68
m/p-Xylenes
Concen: 94.511 ug/l
RT: 11.00 min Scan# 1095
Delta R.T. -0.00 min
Lab File: VD059697.D
Acq: 7 Aug 2018 11:07

Tgt Ion: 106 Resp: 251680
Ion Ratio Lower Upper
106 100
91 255.9 209.7 314.5



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

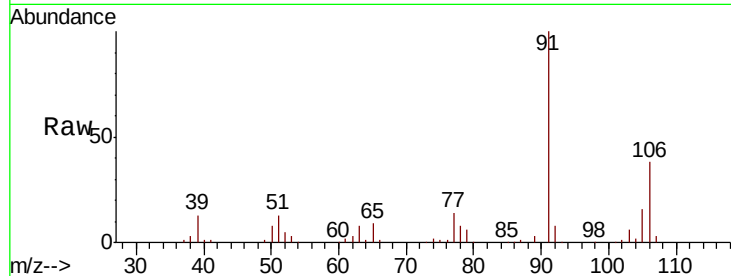




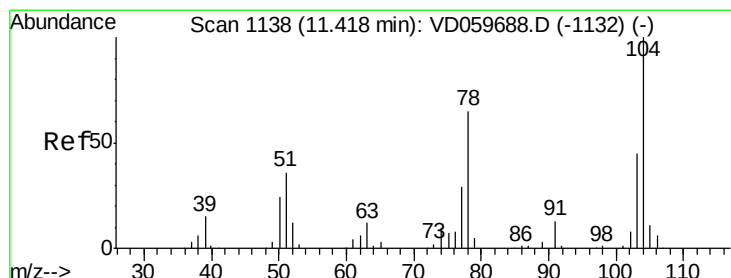
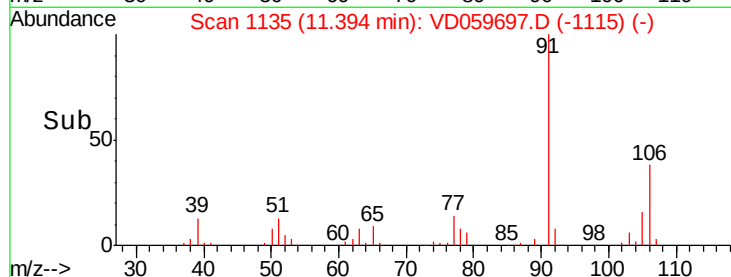
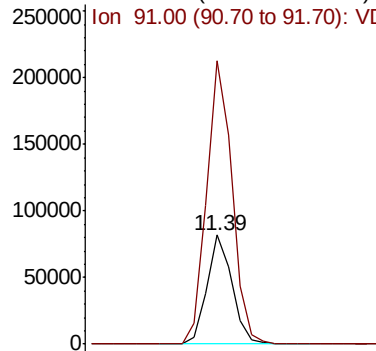
#69
o-Xylene
Concen: 47.008 ug/l
RT: 11.39 min Scan# 1135
Delta R.T. -0.00 min
Lab File: VD059697.D
Acq: 7 Aug 2018 11:07

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 121697
Ion Ratio Lower Upper
106 100
91 259.9 135.2 405.6

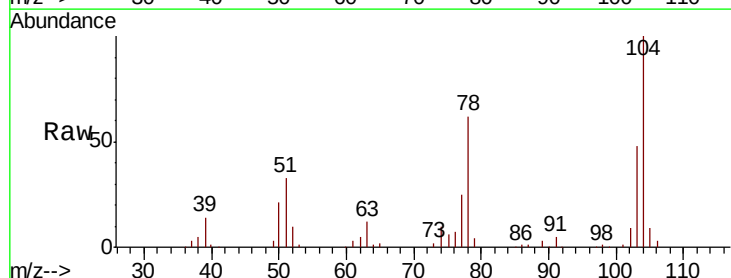


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

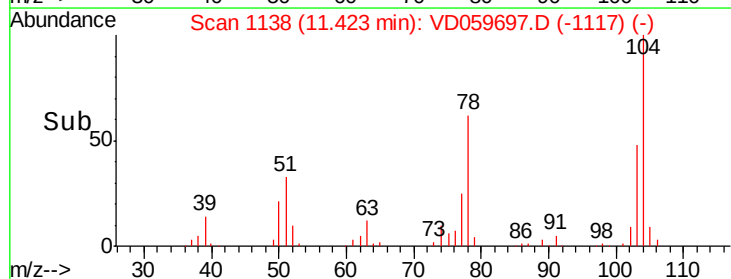
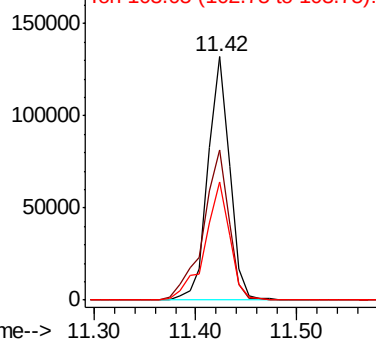


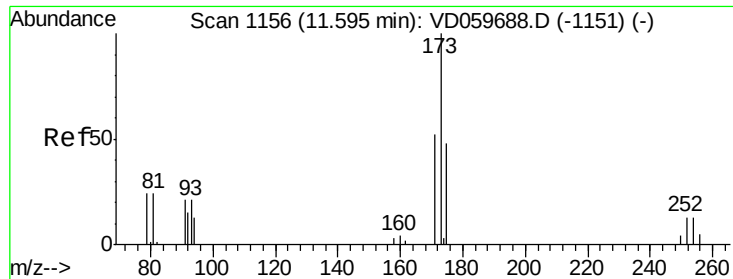
#70
Styrene
Concen: 45.332 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. 0.01 min
Lab File: VD059697.D
Acq: 7 Aug 2018 11:07

Tgt Ion:104 Resp: 196992
Ion Ratio Lower Upper
104 100
78 61.9 51.9 77.9
103 48.3 36.2 54.4



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

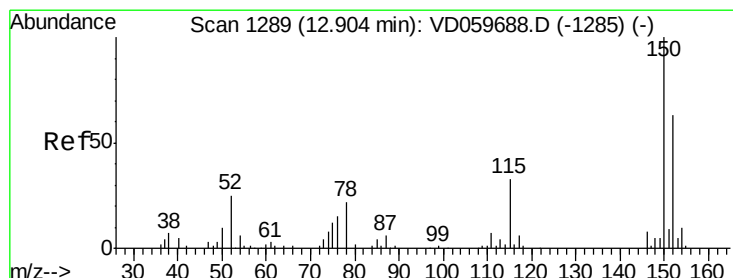
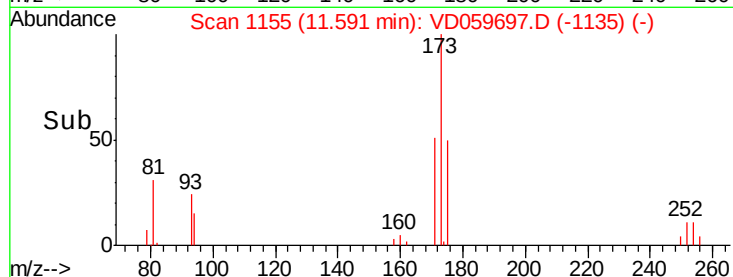
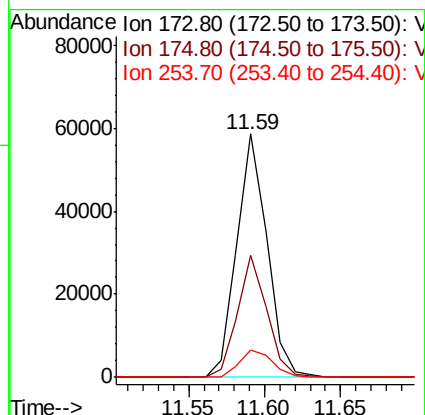
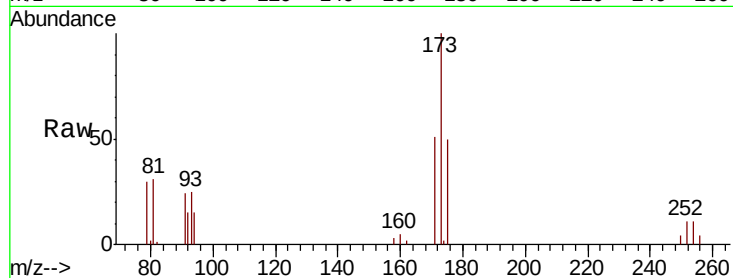




#71
Bromoform
Concen: 53.214 ug/l
RT: 11.59 min Scan# 1155
Delta R.T. -0.00 min
Lab File: VD059697.D
Acq: 7 Aug 2018 11:07

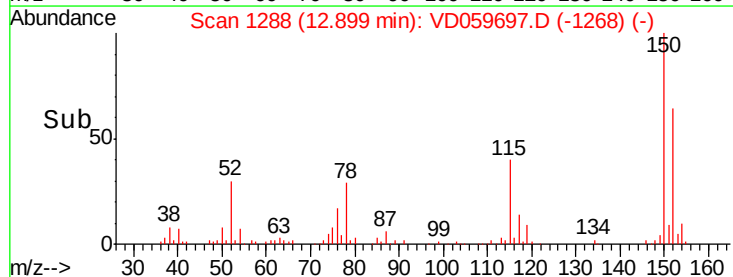
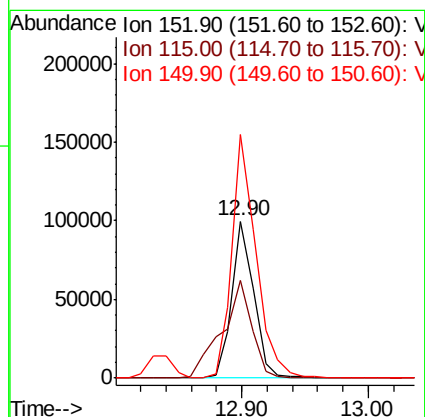
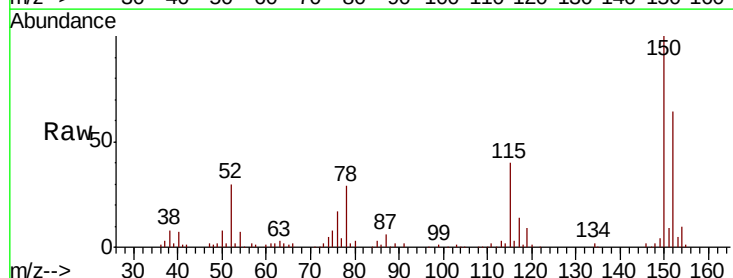
Instrument :
MSVOA_D
ClientSampleId :

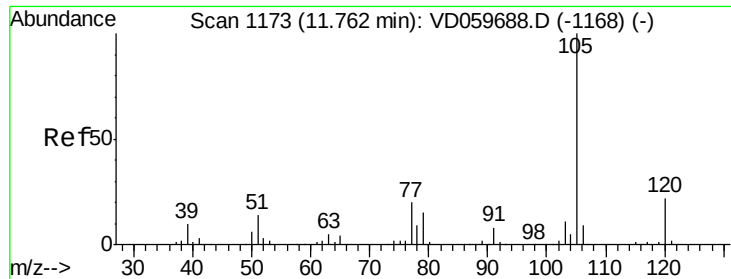
Tot Ion:173 Resp: 81241
Ion Ratio Lower Upper
173 100
175 50.1 24.1 72.4
254 11.0 10.6 16.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VD059697.D
Acq: 7 Aug 2018 11:07

Tgt Ion:152 Resp: 119085
Ion Ratio Lower Upper
152 100
115 62.1 28.8 86.4
150 155.0 0.0 318.0





#73

Isopropylbenzene

Concen: 45.841 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. 0.01 min

Lab File: VD059697.D

Acq: 7 Aug 2018 11:07

Instrument :

MSVOA_D

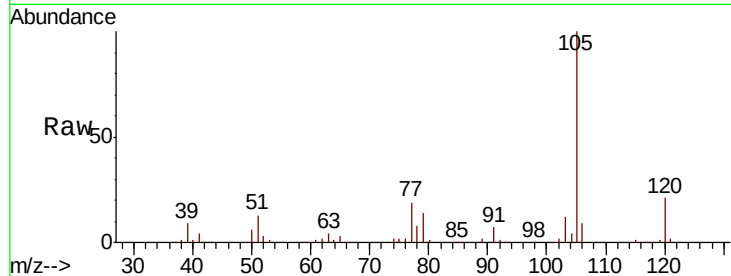
ClientSampleId :

Tot Ion:105 Resp: 366871

Ion Ratio Lower Upper

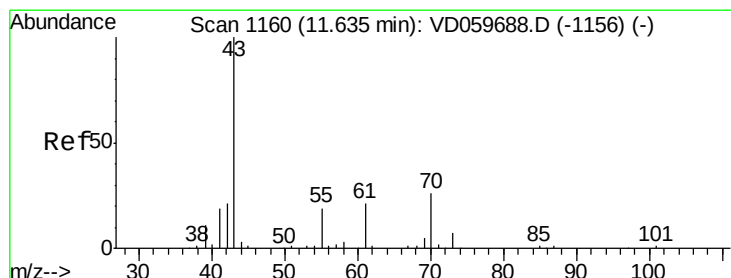
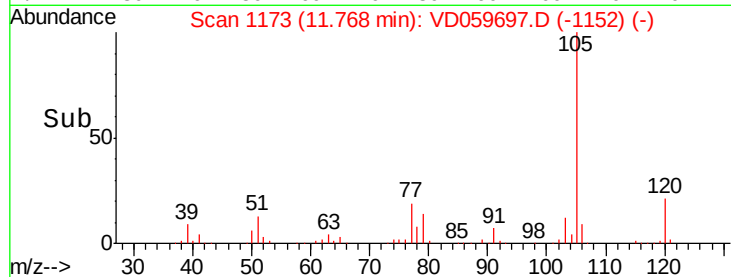
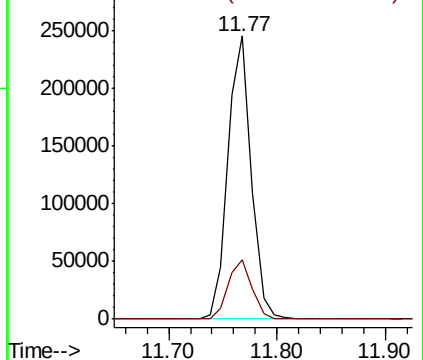
105 100

120 21.0 10.8 32.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 48.660 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VD059697.D

Acq: 7 Aug 2018 11:07

Tgt Ion: 43 Resp: 124587

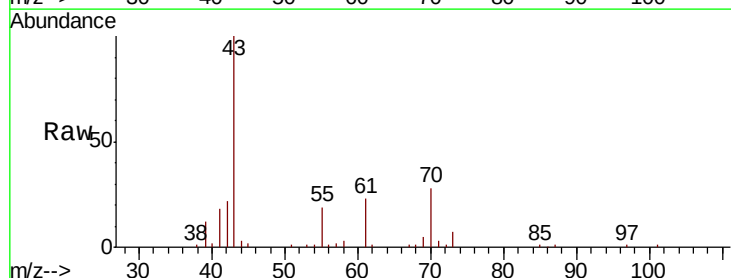
Ion Ratio Lower Upper

43 100

70 28.2 21.0 31.6

55 19.3 15.4 23.2

61 23.3 16.8 25.2

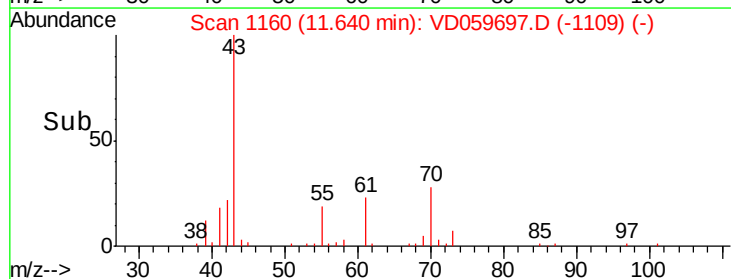
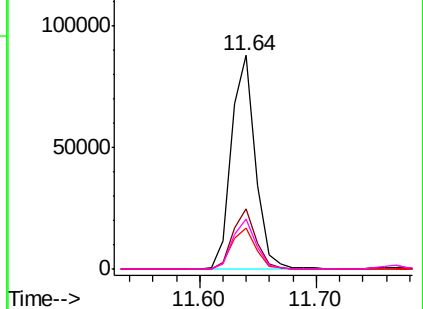


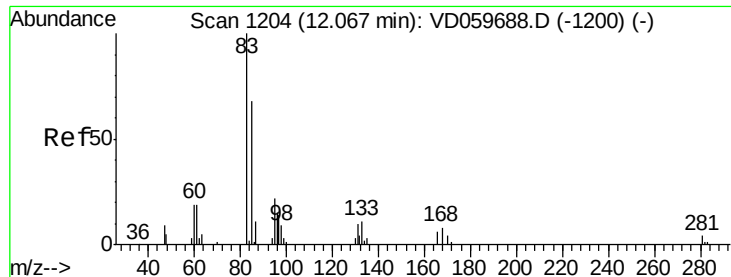
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 48.783 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD059697.D

Acq: 7 Aug 2018 11:07

Instrument :

MSVOA_D

ClientSampleId :

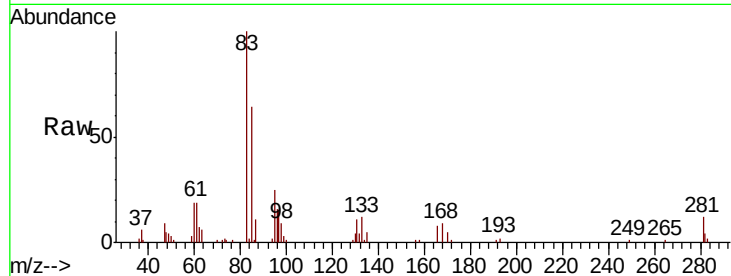
Tot Ion: 83 Resp: 78343

Ion Ratio Lower Upper

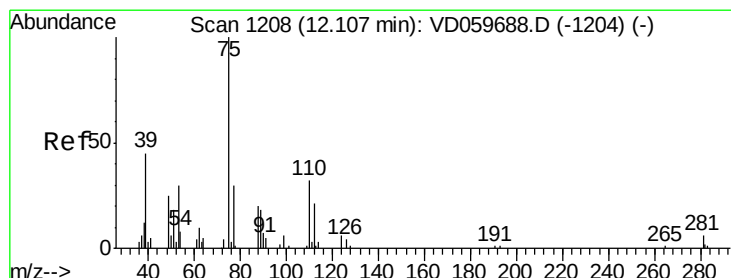
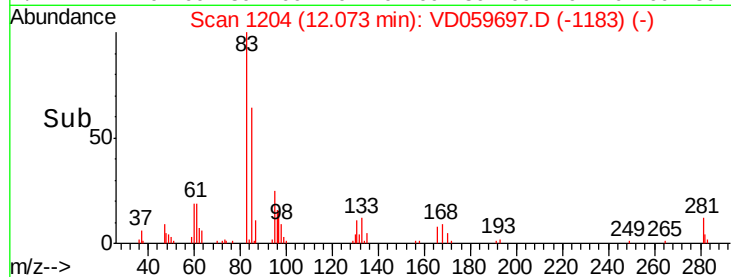
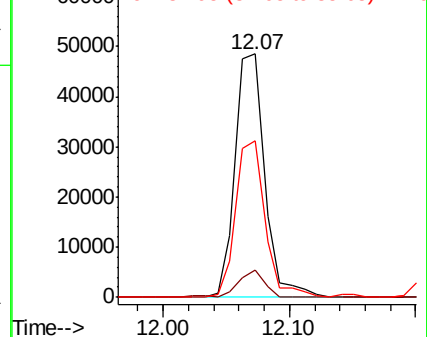
83 100

131 11.1 5.3 15.9

85 64.2 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: 49.108 ug/l

RT: 12.10 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VD059697.D

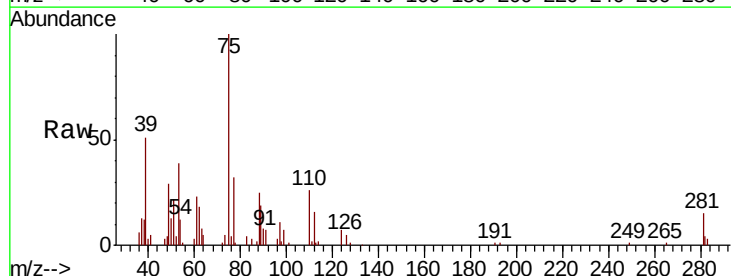
Acq: 7 Aug 2018 11:07

Tgt Ion: 75 Resp: 90403

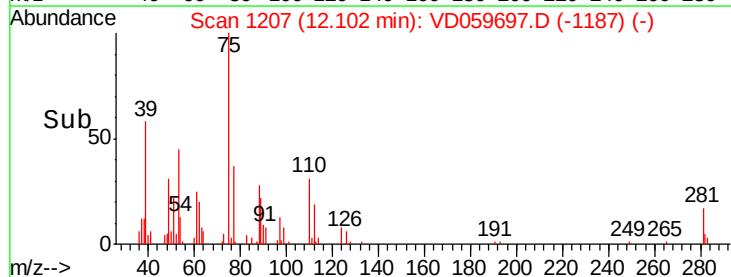
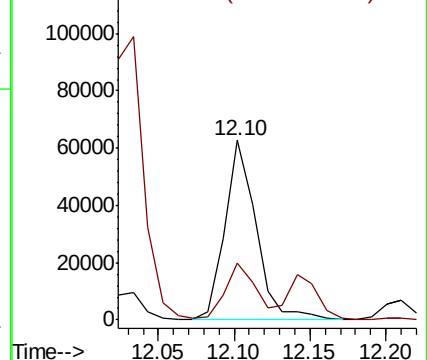
Ion Ratio Lower Upper

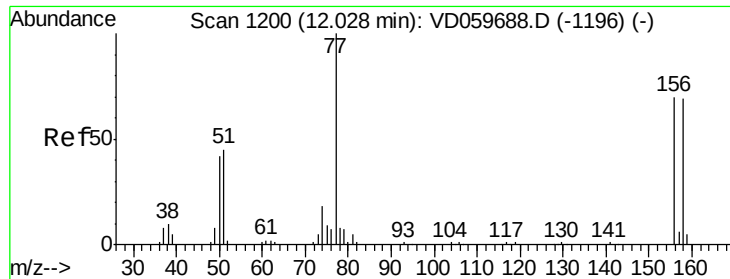
75 100

77 31.8 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: 48.604 ug/l

RT: 12.03 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD059697.D

Acq: 7 Aug 2018 11:07

Instrument :

MSVOA_D

ClientSampleId :

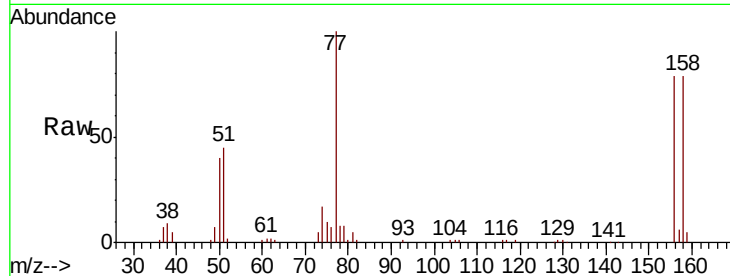
Tot Ion:156 Resp: 113377

Ion Ratio Lower Upper

156 100

77 126.8 71.2 213.6

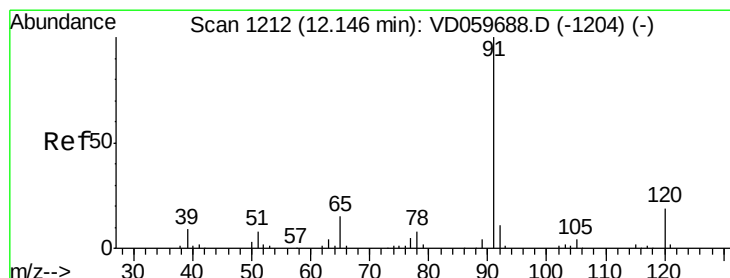
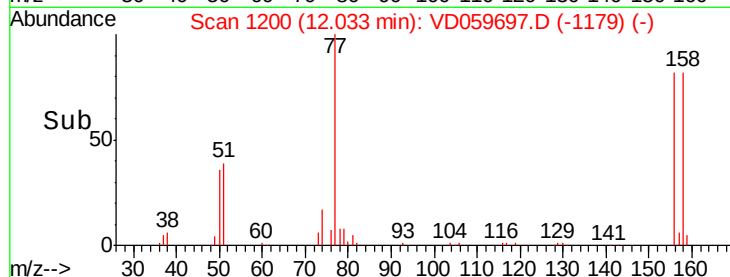
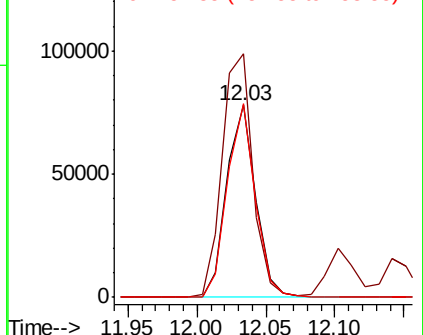
158 100.6 49.1 147.3



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: 45.084 ug/l

RT: 12.14 min Scan# 1211

Delta R.T. -0.00 min

Lab File: VD059697.D

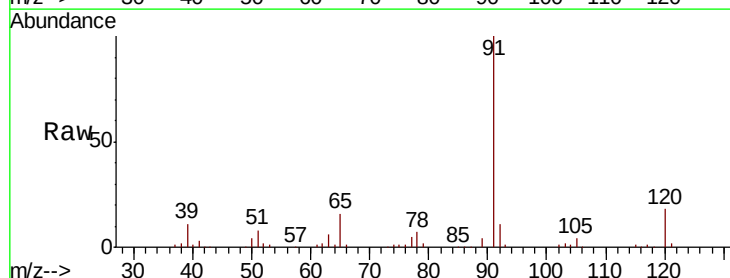
Acq: 7 Aug 2018 11:07

Tgt Ion: 91 Resp: 447137

Ion Ratio Lower Upper

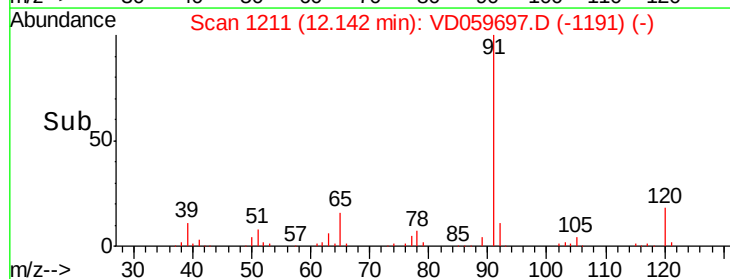
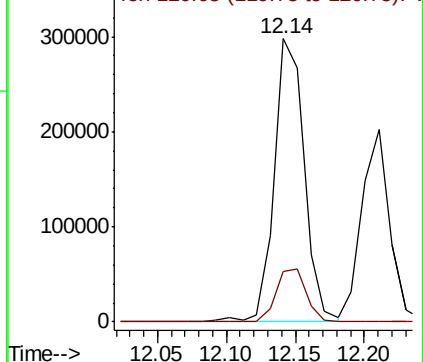
91 100

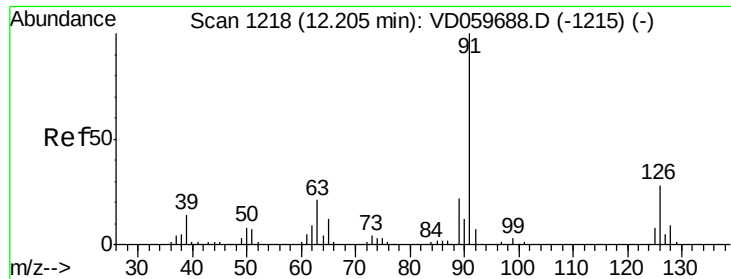
120 17.9 9.5 28.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

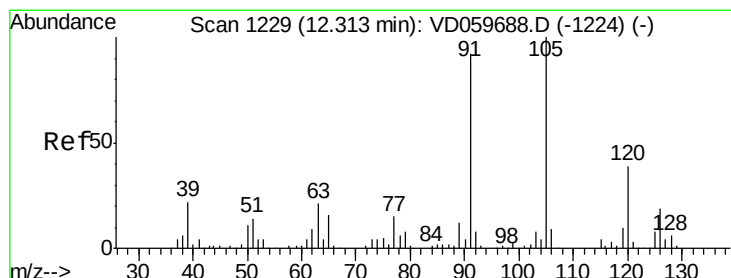
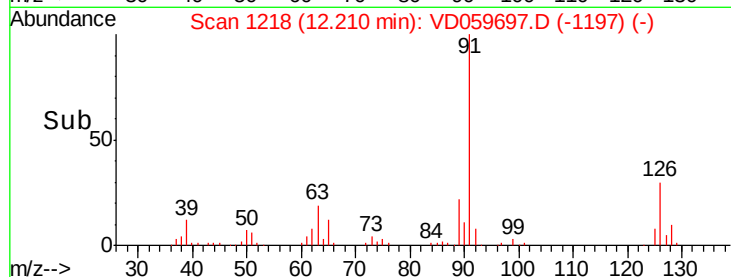
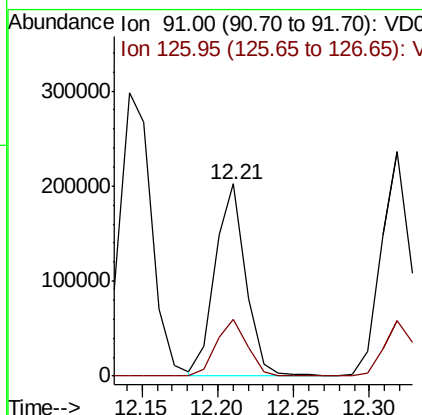
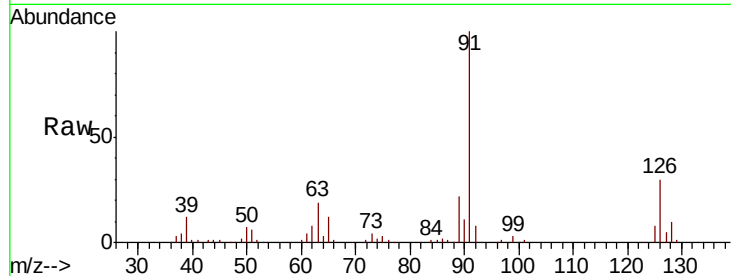




#79
 2-Chlorotoluene
 Concen: 47.176 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VD059697.D
 Acq: 7 Aug 2018 11:07

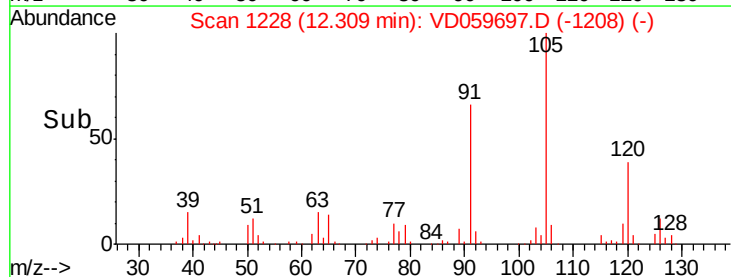
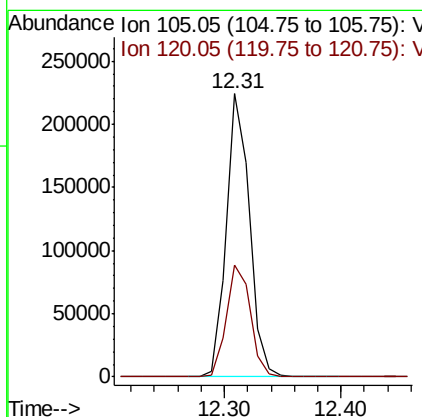
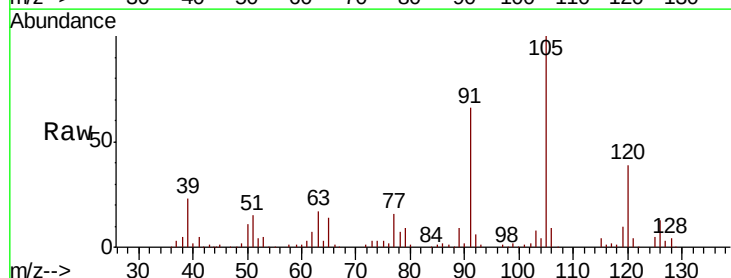
Instrument :
 MSVOA_D
 ClientSampleId :

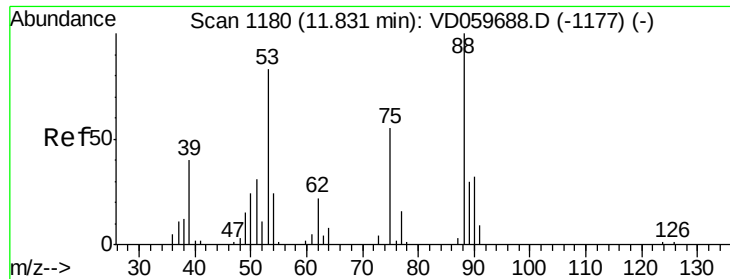
Tot Ion: 91 Resp: 282570
 Ion Ratio Lower Upper
 91 100
 126 29.7 13.7 41.0



#80
 1,3,5-Trimethylbenzene
 Concen: 46.218 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VD059697.D
 Acq: 7 Aug 2018 11:07

Tgt Ion: 105 Resp: 308116
 Ion Ratio Lower Upper
 105 100
 120 39.4 19.7 59.1

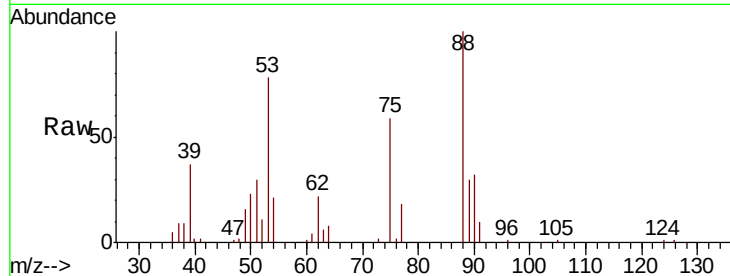




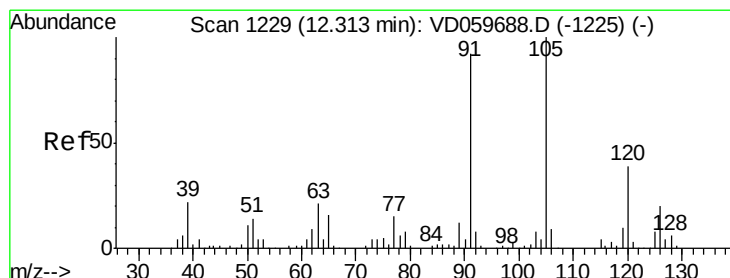
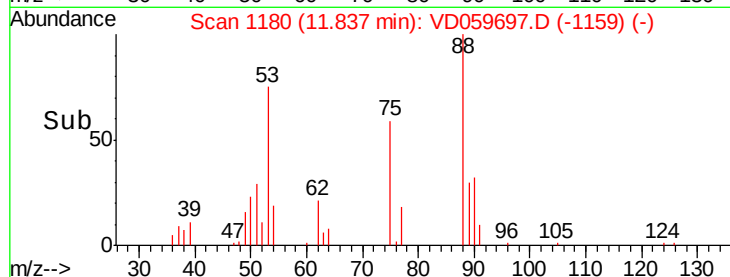
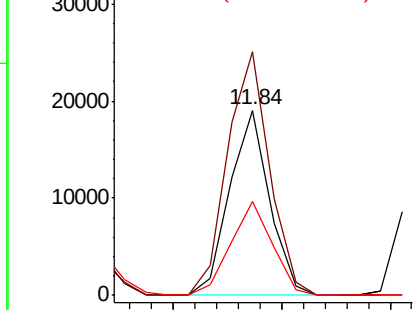
#81
trans-1,4-Dichloro-2-butene
Concen: 54.190 ug/l
RT: 11.84 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VD059697.D
Acq: 7 Aug 2018 11:07

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 24346
Ion Ratio Lower Upper
75 100
53 131.8 120.5 180.7
89 50.7 44.4 66.6

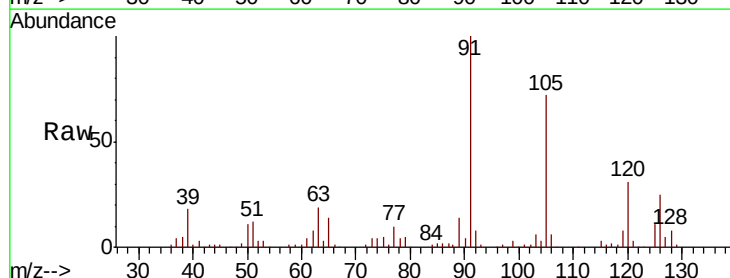


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

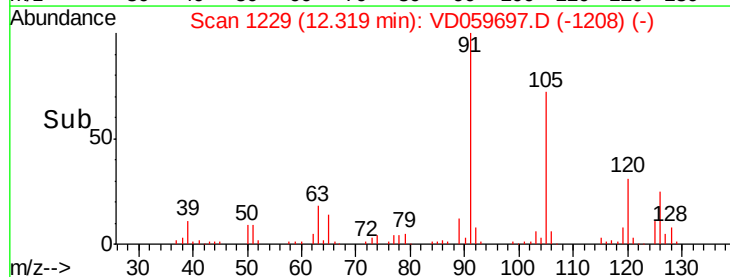
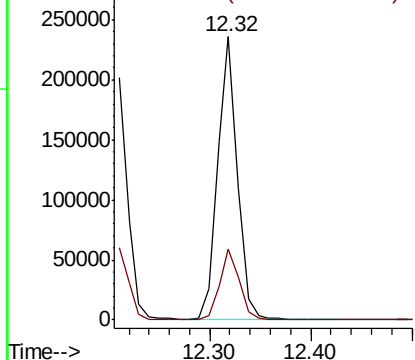


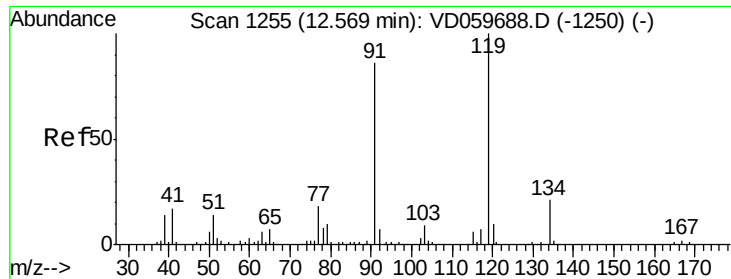
#82
4-Chlorotoluene
Concen: 46.182 ug/l
RT: 12.32 min Scan# 1229
Delta R.T. 0.01 min
Lab File: VD059697.D
Acq: 7 Aug 2018 11:07

Tgt Ion: 91 Resp: 323813
Ion Ratio Lower Upper
91 100
126 25.1 10.7 31.9



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

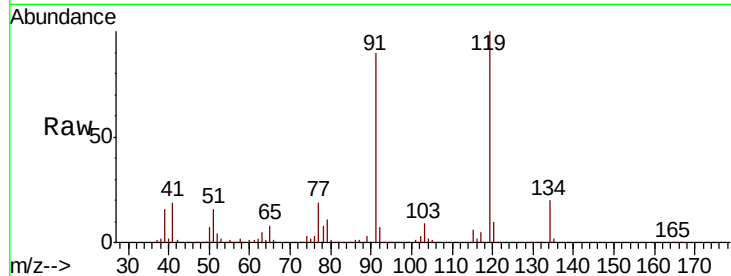




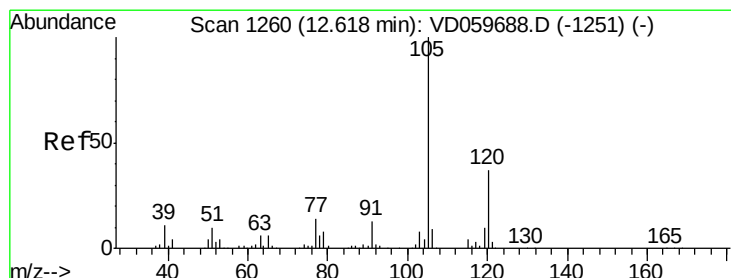
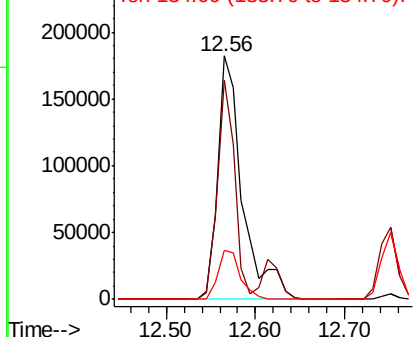
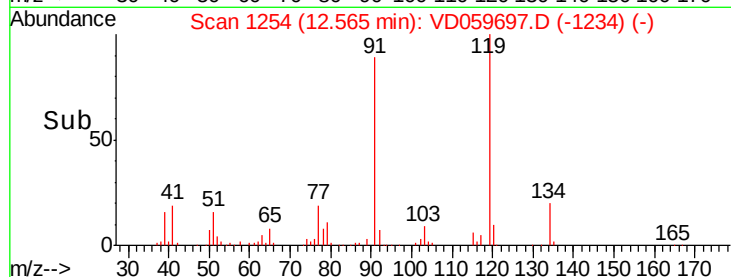
#83
 tert-Butylbenzene
 Concen: 47.025 ug/l
 RT: 12.56 min Scan# 1254
 Delta R.T. -0.00 min
 Lab File: VD059697.D
 Acq: 7 Aug 2018 11:07

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:119 Resp: 350884
 Ion Ratio Lower Upper
 119 100
 91 90.0 43.3 129.9
 134 20.3 10.5 31.6

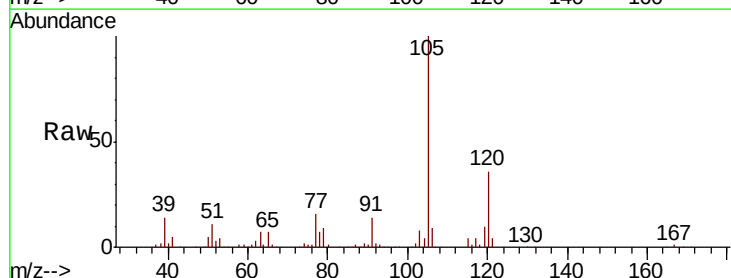


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

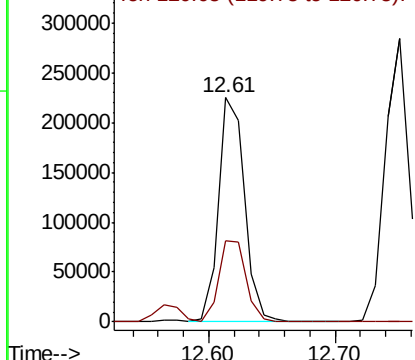
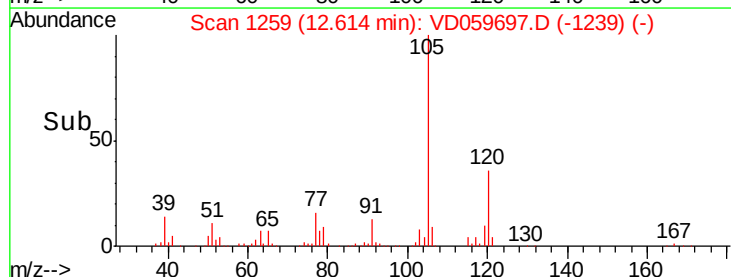


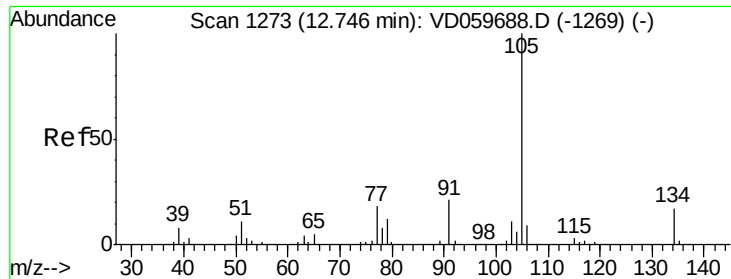
#84
 1,2,4-Trimethylbenzene
 Concen: 45.162 ug/l
 RT: 12.61 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VD059697.D
 Acq: 7 Aug 2018 11:07

Tgt Ion:105 Resp: 319068
 Ion Ratio Lower Upper
 105 100
 120 36.3 18.7 56.1



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

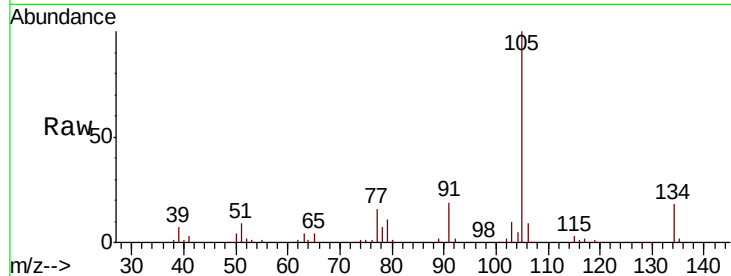




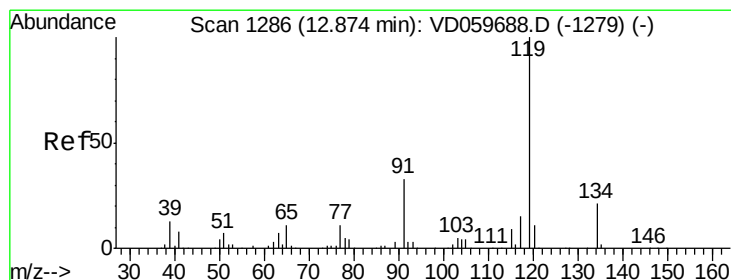
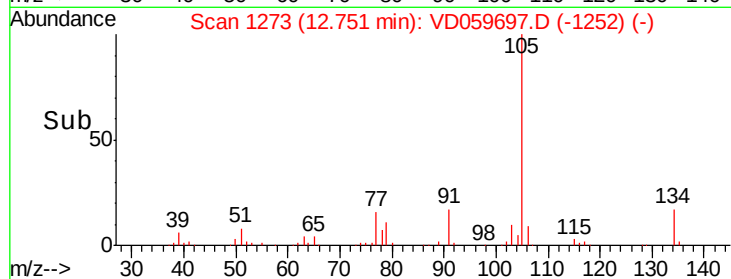
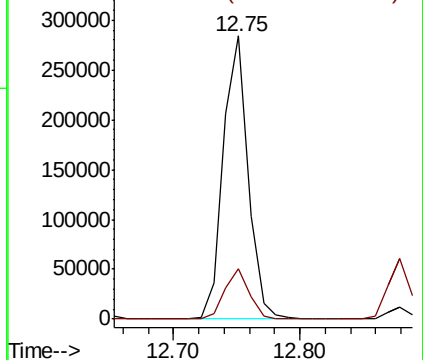
#85
 sec-Butylbenzene
 Concen: 46.659 ug/l
 RT: 12.75 min Scan# 1273
 Delta R.T. 0.01 min
 Lab File: VD059697.D
 Acq: 7 Aug 2018 11:07

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:105 Resp: 386629
 Ion Ratio Lower Upper
 105 100
 134 17.7 8.3 24.9

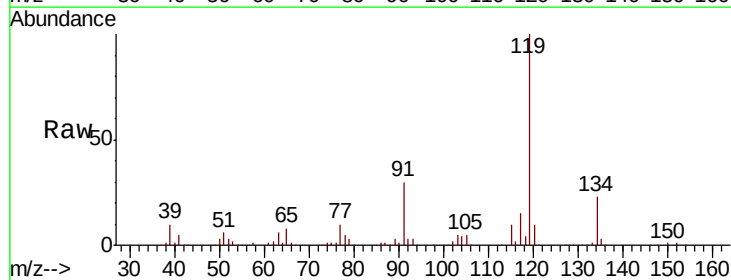


Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 134.10 (133.80 to 134.80): V

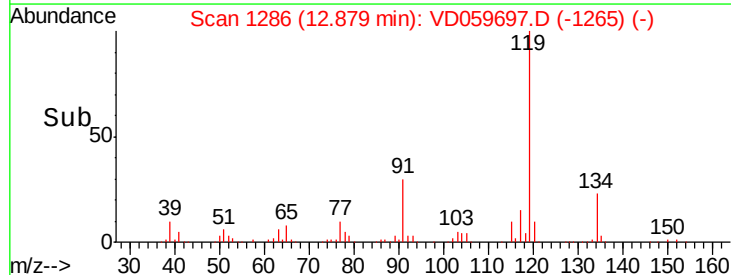
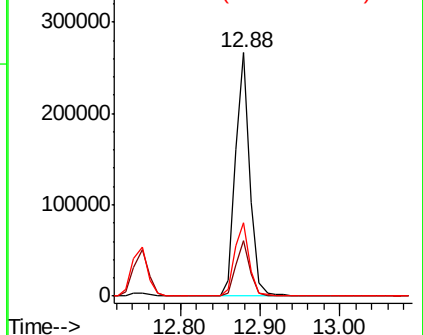


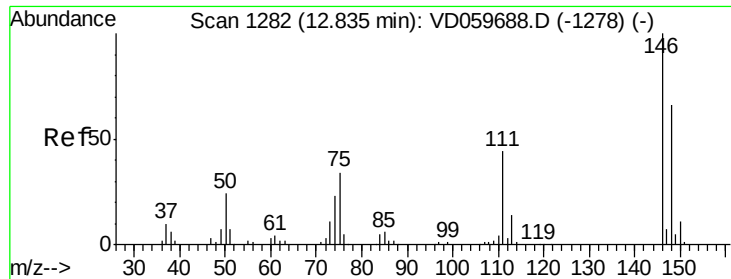
#86
 p-Isopropyltoluene
 Concen: 47.774 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: VD059697.D
 Acq: 7 Aug 2018 11:07

Tgt Ion:119 Resp: 337597
 Ion Ratio Lower Upper
 119 100
 134 22.7 10.7 32.1
 91 30.2 16.6 49.7



Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 134.10 (133.80 to 134.80): V
 Ion 91.00 (90.70 to 91.70): V

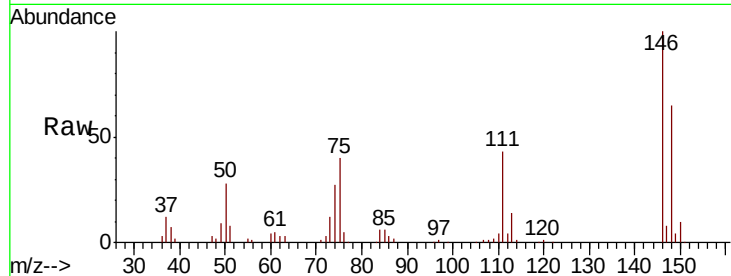




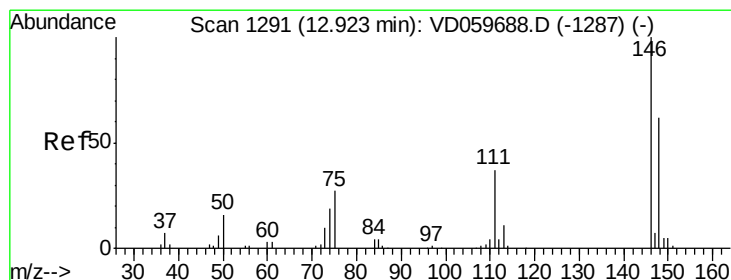
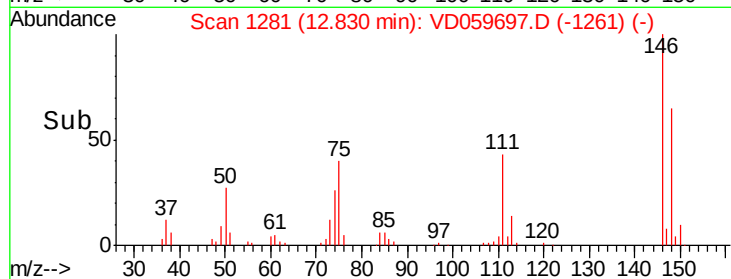
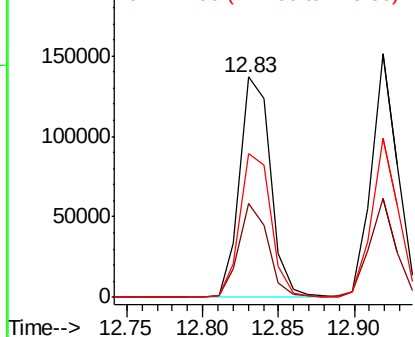
#87
 1,3-Dichlorobenzene
 Concen: 48.394 ug/l
 RT: 12.83 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VD059697.D
 Acq: 7 Aug 2018 11:07

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 194832
 Ion Ratio Lower Upper
 146 100
 111 42.5 21.8 65.4
 148 65.3 33.1 99.2

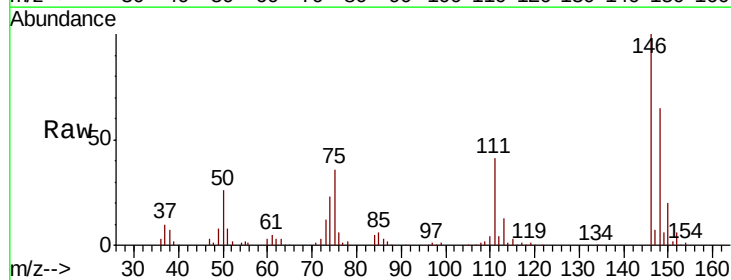


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

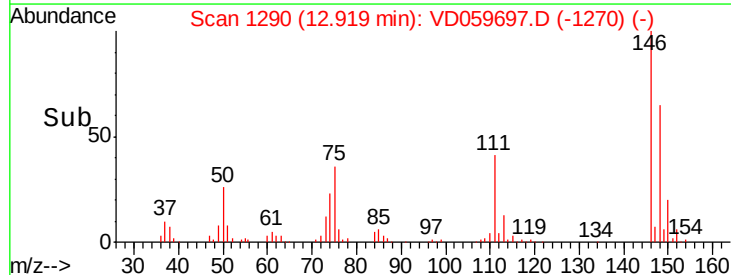
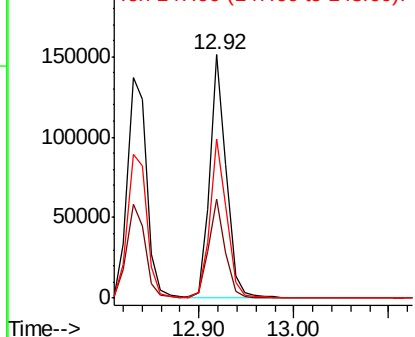


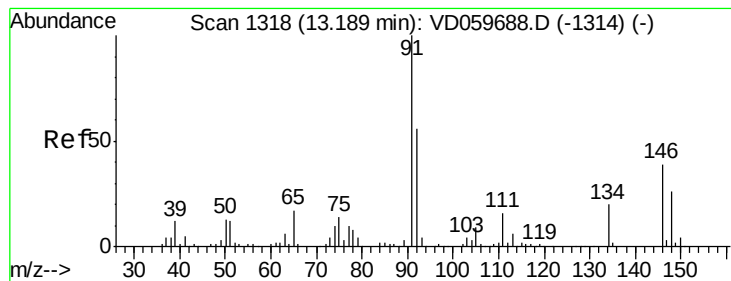
#88
 1,4-Dichlorobenzene
 Concen: 46.421 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VD059697.D
 Acq: 7 Aug 2018 11:07

Tgt Ion:146 Resp: 186449
 Ion Ratio Lower Upper
 146 100
 111 40.7 18.6 55.8
 148 65.2 31.2 93.6



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





#89

n-Butylbenzene

Concen: 46.670 ug/l

RT: 13.18 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD059697.D

Acq: 7 Aug 2018 11:07

Instrument :

MSVOA_D

ClientSampleId :

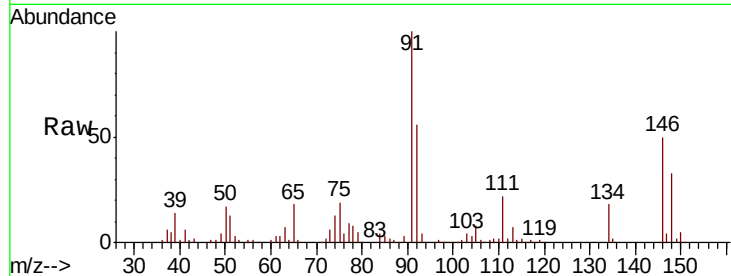
Tot Ion: 91 Resp: 334397

Ion Ratio Lower Upper

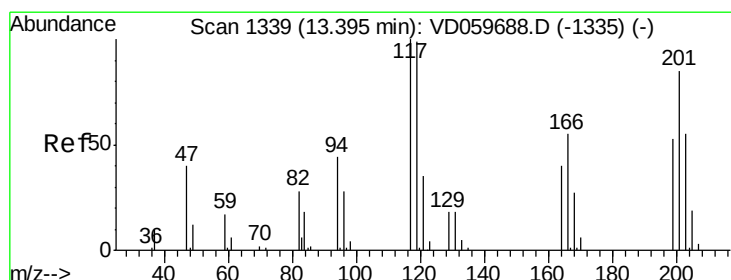
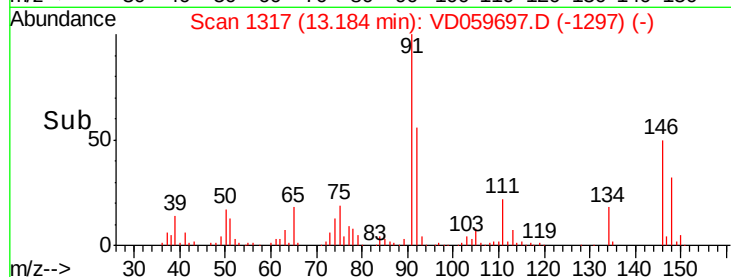
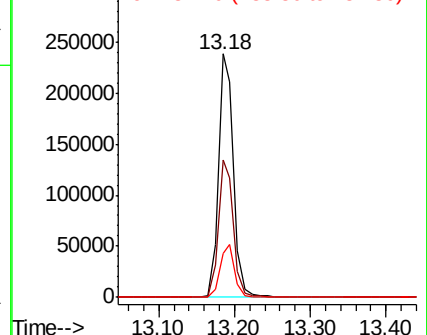
91 100

92 56.2 28.2 84.6

134 18.3 9.8 29.5



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



#90

Hexachloroethane

Concen: 50.162 ug/l

RT: 13.39 min Scan# 1338

Delta R.T. -0.00 min

Lab File: VD059697.D

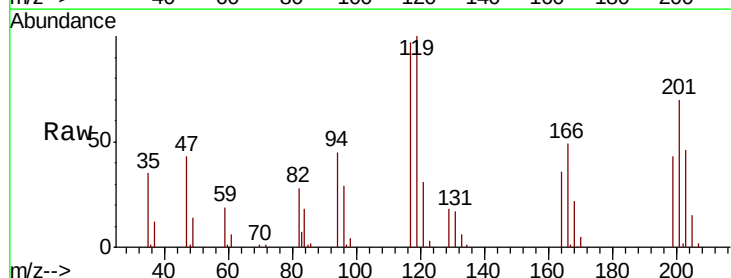
Acq: 7 Aug 2018 11:07

Tgt Ion: 117 Resp: 91871

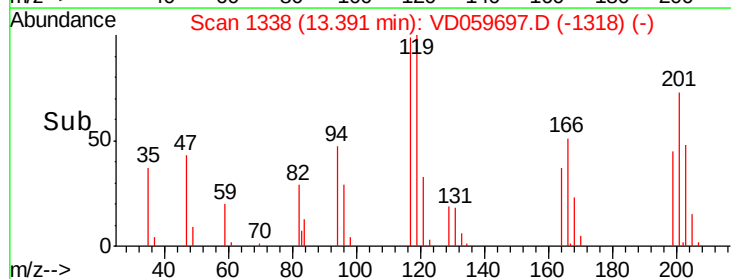
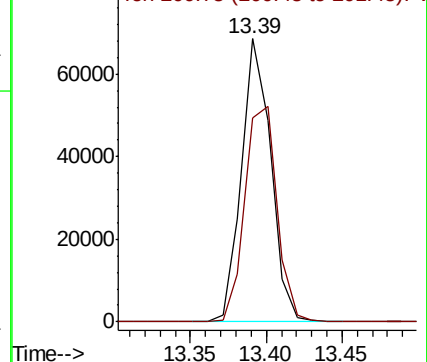
Ion Ratio Lower Upper

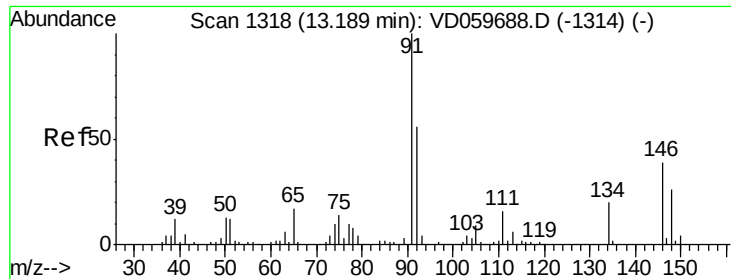
117 100

201 72.1 42.4 127.1



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

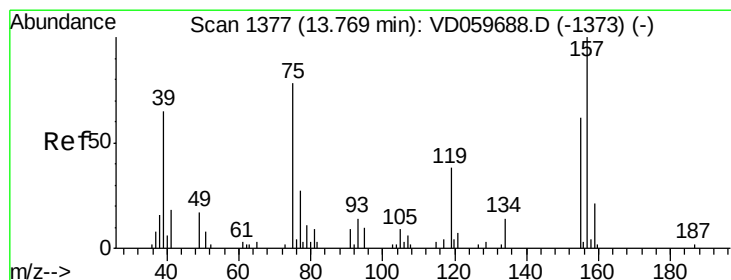
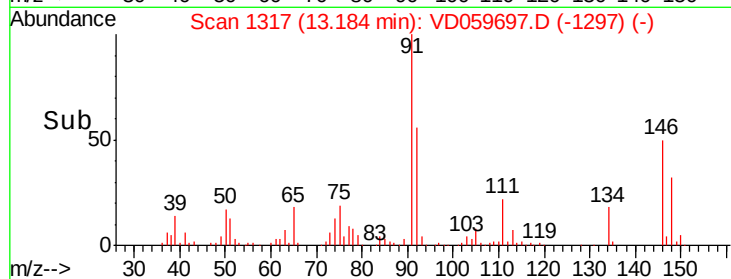
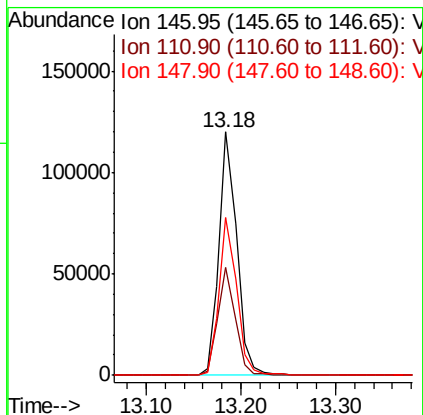
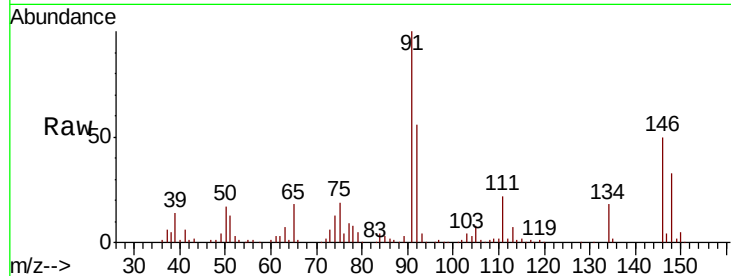




#91
 1,2-Dichlorobenzene
 Concen: 46.173 ug/l
 RT: 13.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VD059697.D
 Acq: 7 Aug 2018 11:07

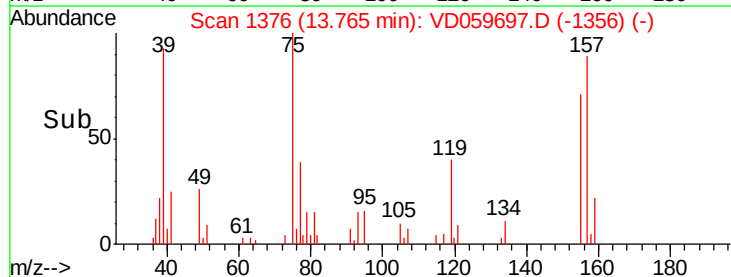
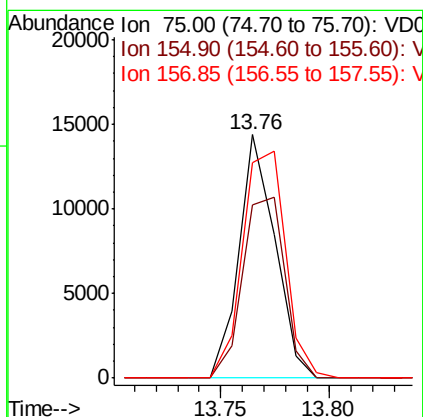
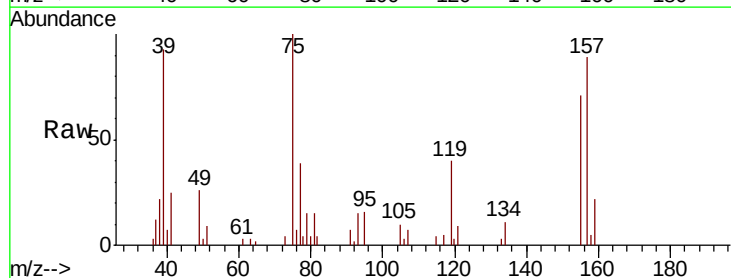
Instrument :
 MSVOA_D
 ClientSampleId :

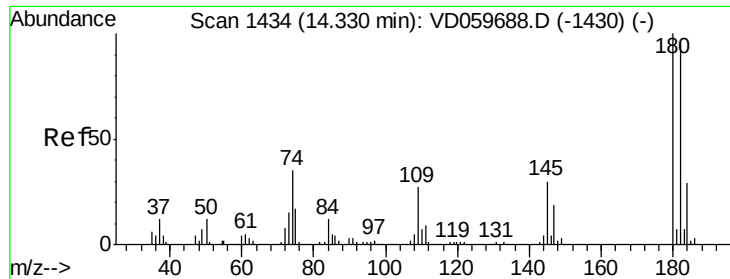
Tot Ion:146 Resp: 156553
 Ion Ratio Lower Upper
 146 100
 111 44.5 20.8 62.2
 148 64.6 33.4 100.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.421 ug/l
 RT: 13.76 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VD059697.D
 Acq: 7 Aug 2018 11:07

Tgt Ion: 75 Resp: 16577
 Ion Ratio Lower Upper
 75 100
 155 71.3 40.0 119.9
 157 88.6 64.3 192.7

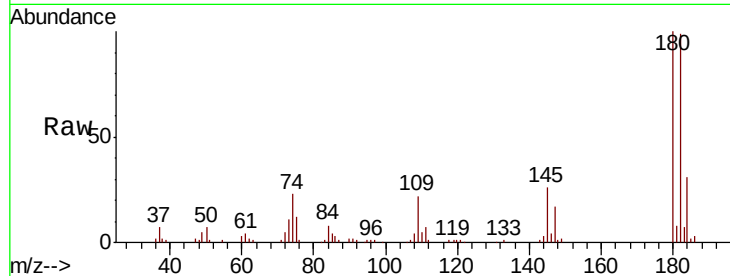




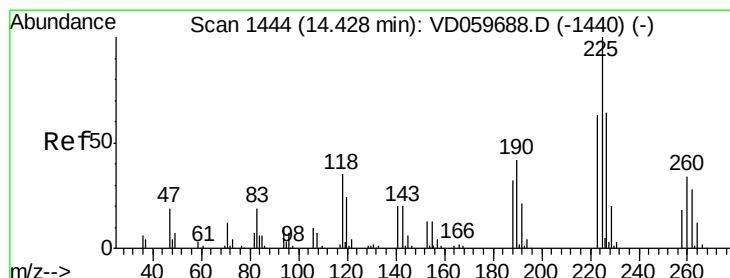
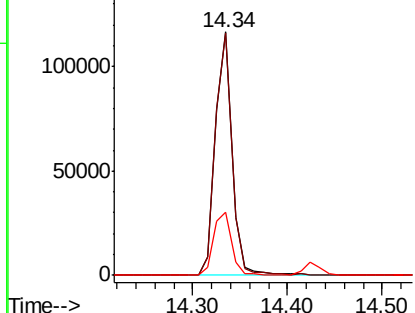
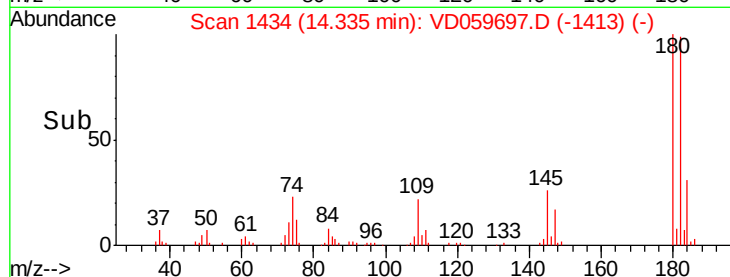
#93
 1,2,4-Trichlorobenzene
 Concen: 47.213 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VD059697.D
 Acq: 7 Aug 2018 11:07

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 144003
 Ion Ratio Lower Upper
 180 100
 182 99.4 48.0 144.0
 145 26.2 14.8 44.4

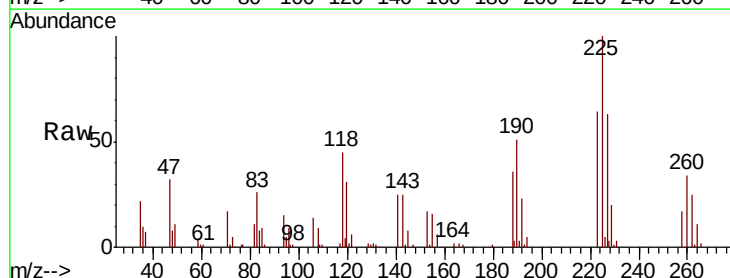


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

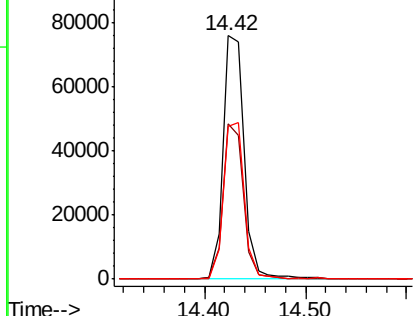
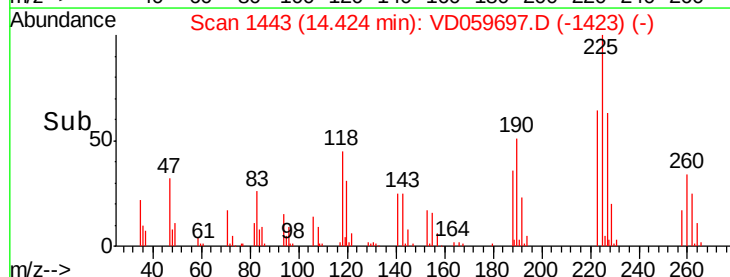


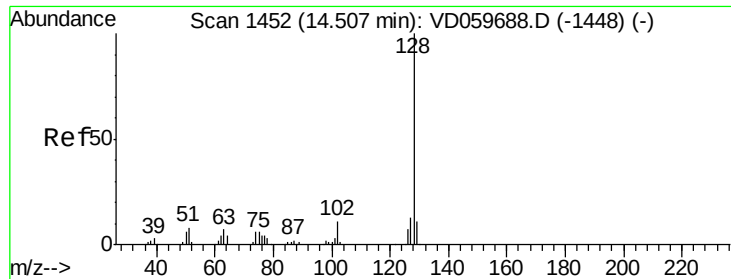
#94
 Hexachlorobutadiene
 Concen: 46.294 ug/l
 RT: 14.42 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD059697.D
 Acq: 7 Aug 2018 11:07

Tgt Ion:225 Resp: 109502
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.4 94.3
 227 62.5 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

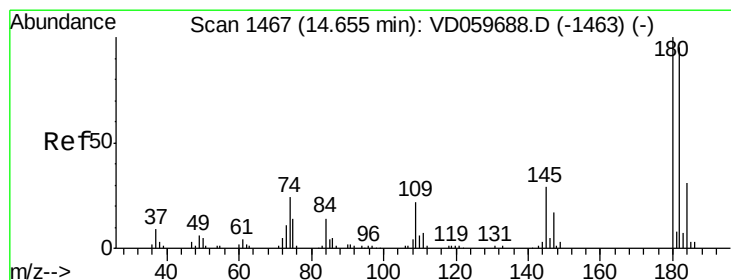
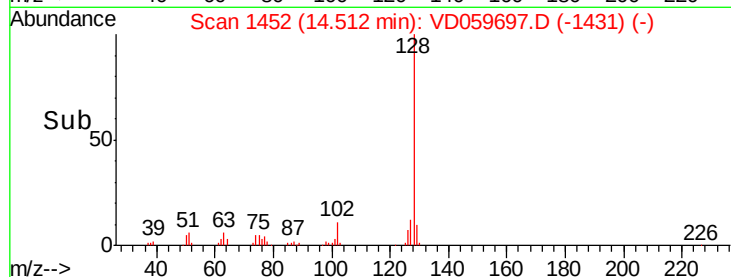
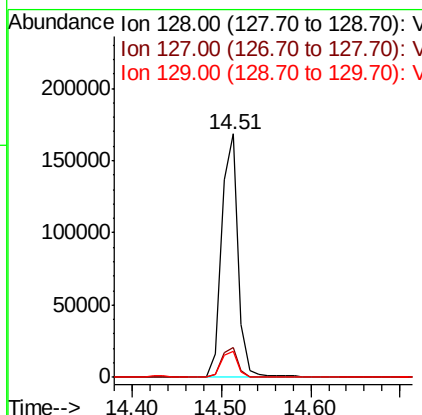
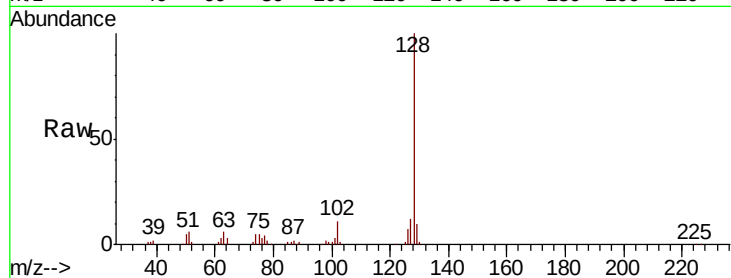




#95
Naphthalene
Concen: 48.626 ug/l
RT: 14.51 min Scan# 1452
Delta R.T. 0.01 min
Lab File: VD059697.D
Acq: 7 Aug 2018 11:07

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 219644
Ion Ratio Lower Upper
128 100
127 12.5 10.6 16.0
129 10.4 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 48.317 ug/l
RT: 14.65 min Scan# 1466
Delta R.T. -0.00 min
Lab File: VD059697.D
Acq: 7 Aug 2018 11:07

Tgt Ion:180 Resp: 128908
Ion Ratio Lower Upper
180 100
182 94.6 47.5 142.5
145 33.0 14.5 43.5

