

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080918\
 Data File : VD059717.D
 Acq On : 9 Aug 2018 14:51
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

Quant Time: Aug 10 01:16:03 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	5.63	168	179496	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	224311	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	182039	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	98566	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.01	65	140206	60.72	ug/l	0.01
Spiked Amount	50.000		Recovery	=	121.44%	
35) Dibromofluoromethane	5.54	113	108946	54.07	ug/l	0.01
Spiked Amount	50.000		Recovery	=	108.14%	
50) Toluene-d8	8.71	98	221062	50.41	ug/l	0.01
Spiked Amount	50.000		Recovery	=	100.82%	
62) 4-Bromofluorobenzene	11.92	95	106849	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.33	85	135467	53.768	ug/l 99
3) Chloromethane	1.47	50	56275	50.126	ug/l 91
4) Vinyl Chloride	1.54	62	70835	54.037	ug/l 92
5) Bromomethane	1.77	94	34170	79.212	ug/l 97
6) Chloroethane	1.87	64	35323	66.305	ug/l 94
7) Trichlorofluoromethane	2.07	101	130180	60.934	ug/l 98
8) Diethyl Ether	2.33	74	23335	59.625	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	2.54	101	67335	55.796	ug/l 96
10) Methyl Iodide	2.68	142	77082	55.559	ug/l 95
11) Tert butyl alcohol	3.26	59	23070	274.584	ug/l 96
12) 1,1-Dichloroethene	2.53	96	49081	55.665	ug/l 98
13) Acrolein	2.46	56	22981	291.213	ug/l 94
14) Allyl chloride	2.90	41	107752	53.409	ug/l 98
15) Acrylonitrile	3.35	53	58833	252.463	ug/l 94
16) Acetone	2.60	43	136135	313.864	ug/l 96
17) Carbon Disulfide	2.74	76	182465	57.285	ug/l 99
18) Methyl Acetate	2.92	43	41046	51.214	ug/l # 91
19) Methyl tert-butyl Ether	3.39	73	191955	57.052	ug/l 97
20) Methylene Chloride	3.05	84	57831	49.058	ug/l 89
21) trans-1,2-Dichloroethene	3.38	96	61769	53.523	ug/l 96
22) Diisopropyl ether	4.05	45	221063	46.584	ug/l 92
23) Vinyl Acetate	4.01	43	766772	254.863	ug/l 99
24) 1,1-Dichloroethane	3.96	63	154382	49.152	ug/l 98
25) 2-Butanone	4.82	43	149419	262.283	ug/l 94
26) 2,2-Dichloropropane	4.78	77	195330	58.233	ug/l 92
27) cis-1,2-Dichloroethene	4.79	96	74376	44.384	ug/l 80
28) Bromochloromethane	5.14	49	56676	48.875	ug/l 83
29) Tetrahydrofuran	5.18	42	51278	232.417	ug/l 96
30) Chloroform	5.31	83	199968	52.231	ug/l 100
31) Cyclohexane	5.58	56	93782	45.217	ug/l 98
32) 1,1,1-Trichloroethane	5.50	97	210474	56.521	ug/l 95
36) 1,1-Dichloropropene	5.74	75	129066	51.755	ug/l 95
37) Ethyl Acetate	4.91	43	67420	55.681	ug/l # 96
38) Carbon Tetrachloride	5.72	117	205916	61.702	ug/l 99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	101183	48.010	ug/l	91
40) Benzene	6.00	78	220492	45.590	ug/l	97
41) Methacrylonitrile	5.11	41	28908	51.063	ug/l	91
42) 1,2-Dichloroethane	6.12	62	181566	60.725	ug/l	98
43) Isopropyl Acetate	7.61	43	80812	51.063	ug/l	94
44) Trichloroethene	6.98	130	90934	51.463	ug/l	99
45) 1,2-Dichloropropane	7.34	63	61064	47.815	ug/l	96
46) Dibromomethane	7.46	93	59376	53.652	ug/l	90
47) Bromodichloromethane	7.73	83	155714	55.242	ug/l	99
48) Methyl methacrylate	7.50	41	58011	55.535	ug/l	89
49) 1,4-Dioxane	7.49	88	8466	932.129	ug/l #	73
51) 4-Methyl-2-Pentanone	8.59	43	331575	287.287	ug/l	98
52) Toluene	8.80	92	150722	48.854	ug/l	94
53) t-1,3-Dichloropropene	9.18	75	134368	56.344	ug/l	100
54) cis-1,3-Dichloropropene	8.35	75	128713	52.401	ug/l	90
55) 1,1,2-Trichloroethane	9.45	97	55393	46.746	ug/l	91
56) Ethyl methacrylate	9.31	69	70851	54.190	ug/l	90
57) 1,3-Dichloropropane	9.66	76	95511	51.943	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.19	63	158630	254.668	ug/l	96
59) 2-Hexanone	9.78	43	252866	291.759	ug/l	99
60) Dibromochloromethane	9.96	129	112602	59.796	ug/l	94
61) 1,2-Dibromoethane	10.09	107	75450	55.374	ug/l	97
64) Tetrachloroethene	9.51	164	86862	50.395	ug/l	96
65) Chlorobenzene	10.72	112	190848	49.751	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.85	131	93111	55.365	ug/l	97
67) Ethyl Benzene	10.85	91	335788	48.604	ug/l	99
68) m/p-Xylenes	11.01	106	223237	101.009	ug/l	90
69) o-Xylene	11.40	106	99872	46.484	ug/l	99
70) Styrene	11.43	104	176087	48.826	ug/l	95
71) Bromoform	11.60	173	81625	64.422	ug/l	99
73) Isopropylbenzene	11.77	105	353288	53.334	ug/l	97
74) N-amyl acetate	11.64	43	110268	52.033	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.07	83	62997	47.394	ug/l	97
76) 1,2,3-Trichloropropane	12.11	75	79883	52.427	ug/l	98
77) Bromobenzene	12.04	156	103348	53.528	ug/l	84
78) n-propylbenzene	12.15	91	409534	49.889	ug/l	100
79) 2-Chlorotoluene	12.22	91	259050	52.253	ug/l	93
80) 1,3,5-Trimethylbenzene	12.32	105	294778	53.423	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.85	75	19933	53.604	ug/l	93
82) 4-Chlorotoluene	12.33	91	296528	51.094	ug/l	86
83) tert-Butylbenzene	12.57	119	331734	53.714	ug/l	99
84) 1,2,4-Trimethylbenzene	12.62	105	307230	52.540	ug/l	98
85) sec-Butylbenzene	12.75	105	357135	52.071	ug/l	95
86) p-Isopropyltoluene	12.89	119	324603	55.498	ug/l	94
87) 1,3-Dichlorobenzene	12.84	146	169826	50.964	ug/l	96
88) 1,4-Dichlorobenzene	12.93	146	171745	51.662	ug/l	96
89) n-Butylbenzene	13.19	91	298359	50.309	ug/l	97
90) Hexachloroethane	13.40	117	88768	58.557	ug/l	94
91) 1,2-Dichlorobenzene	13.19	146	142371	50.732	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.77	75	17929	64.579	ug/l	84

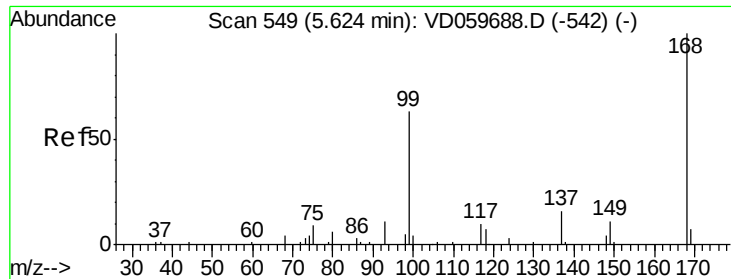
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	136646	54.128	ug/l	98
94) Hexachlorobutadiene	14.43	225	108762	55.553	ug/l	100
95) Naphthalene	14.51	128	177216	47.401	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	117679	53.291	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 549

Delta R.T. 0.00 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Instrument :

MSVOA_D

ClientSampleId :

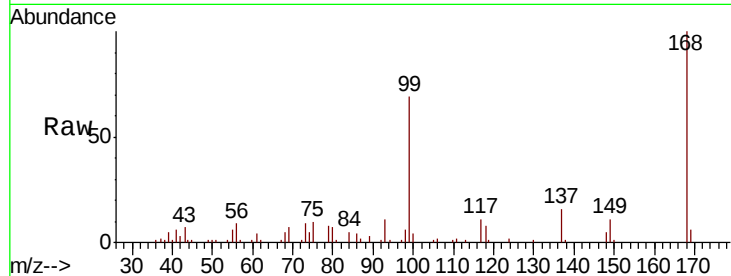
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Tgt Ion:168 Resp: 179496

Ion Ratio Lower Upper

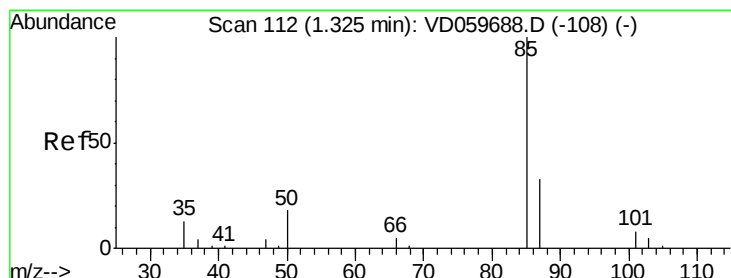
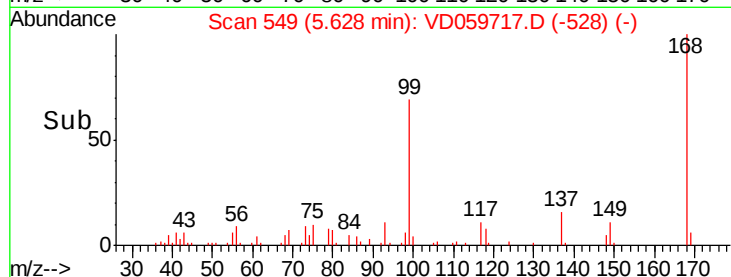
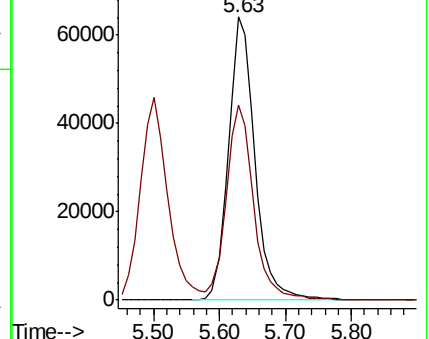
168 100

99 69.0 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 53.768 ug/l

RT: 1.33 min Scan# 112

Delta R.T. 0.00 min

Lab File: VD059717.D

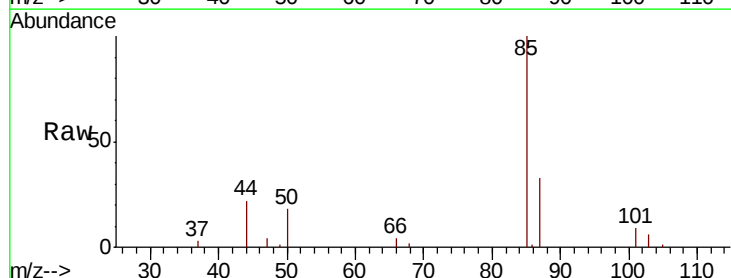
Acq: 9 Aug 2018 14:51

Tgt Ion: 85 Resp: 135467

Ion Ratio Lower Upper

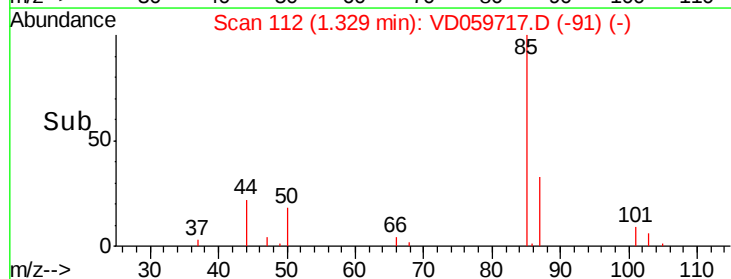
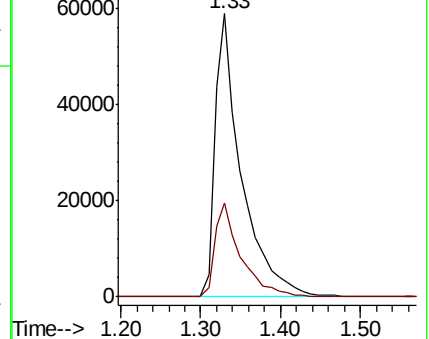
85 100

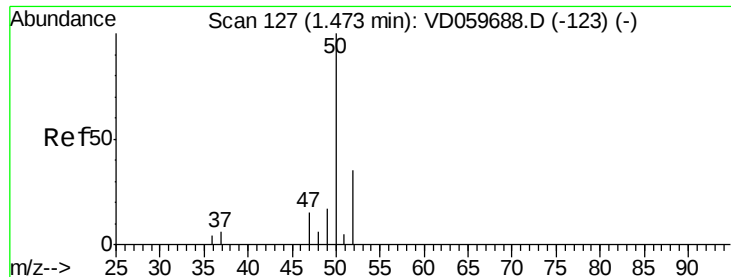
87 33.3 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

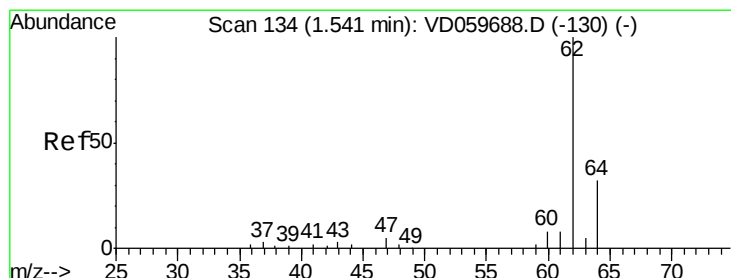
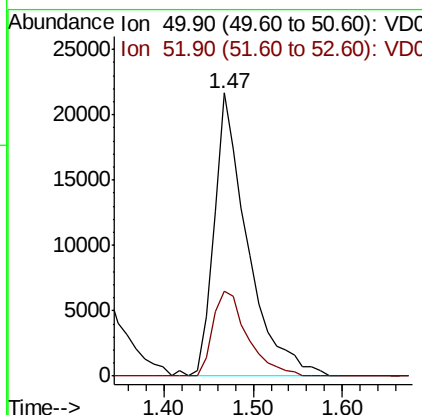
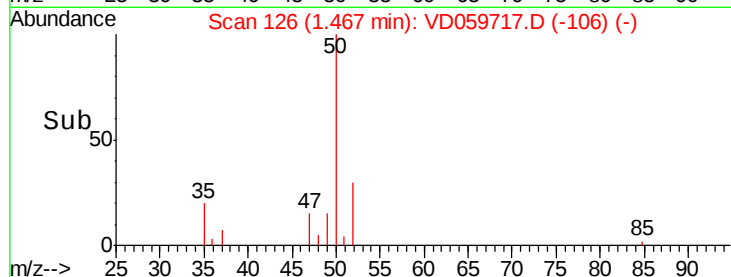
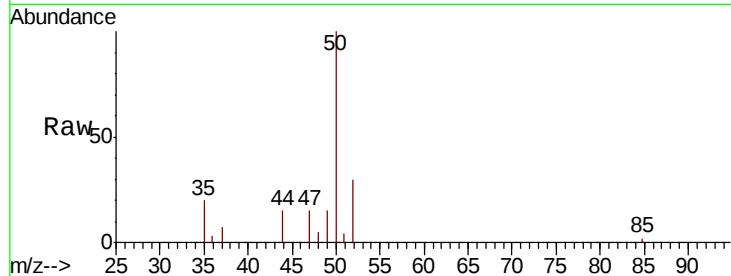




#3
Chloromethane
Concen: 50.126 ug/l
RT: 1.47 min Scan# 126
Delta R.T. -0.01 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

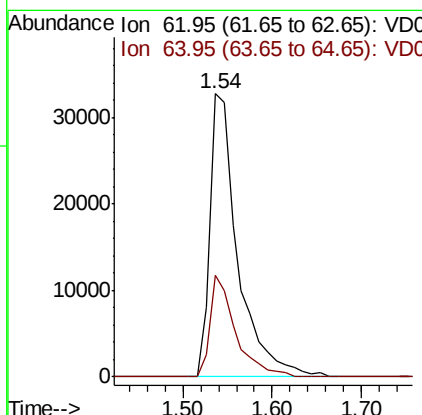
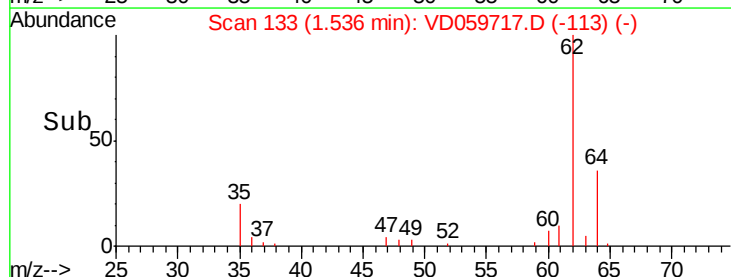
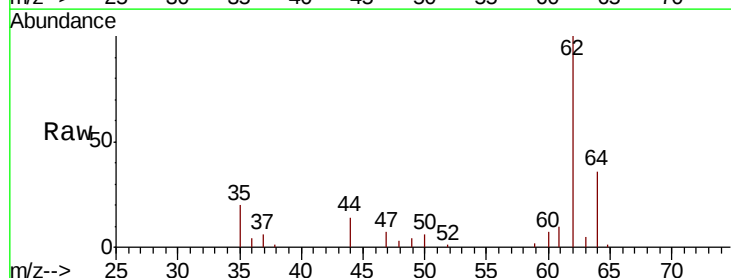
Instrument :
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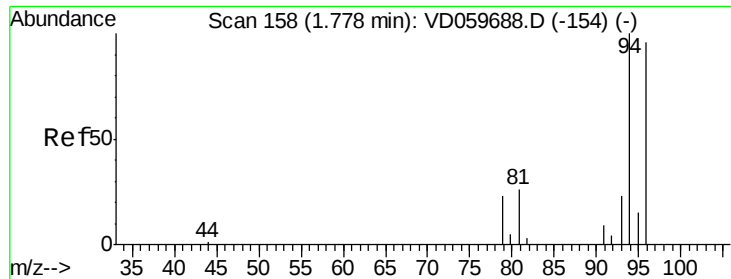
Tgt Ion: 50 Resp: 56275
Ion Ratio Lower Upper
50 100
52 30.2 28.2 42.4



#4
Vinyl Chloride
Concen: 54.037 ug/l
RT: 1.54 min Scan# 133
Delta R.T. -0.01 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Tgt Ion: 62 Resp: 70835
Ion Ratio Lower Upper
62 100
64 35.9 25.4 38.0

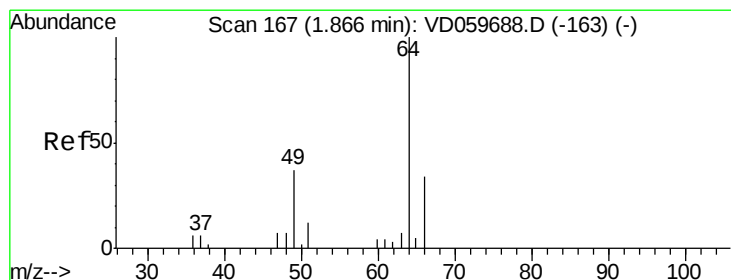
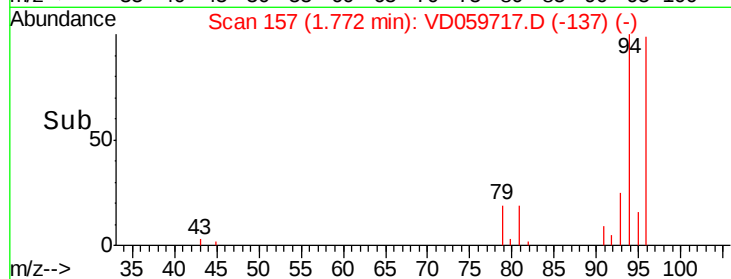
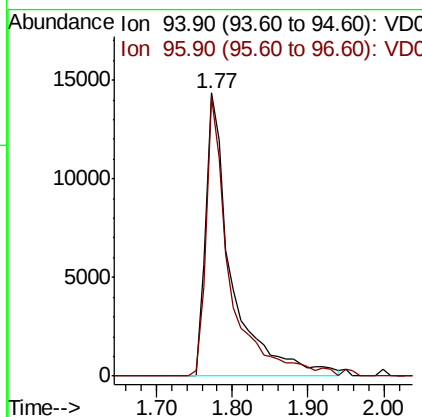
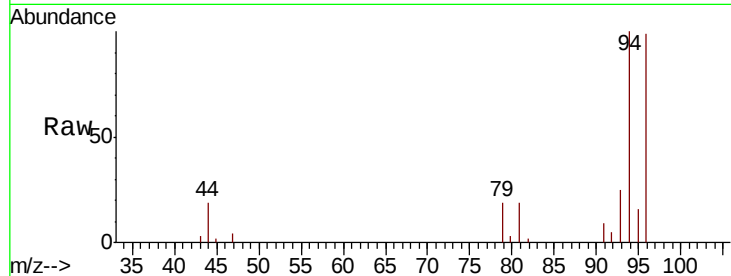




#5
Bromomethane
Concen: 79.212 ug/l
RT: 1.77 min Scan# 157
Delta R.T. -0.01 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

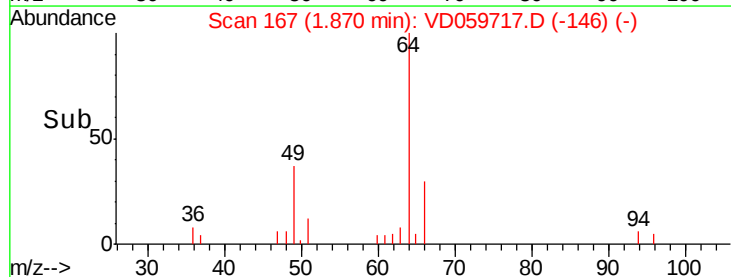
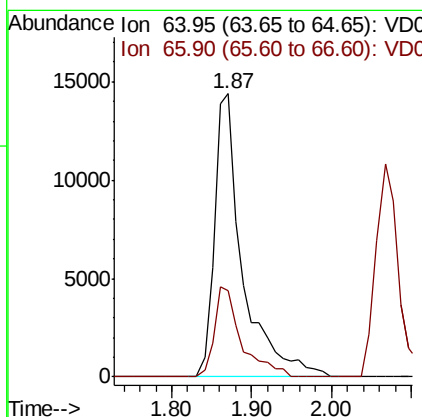
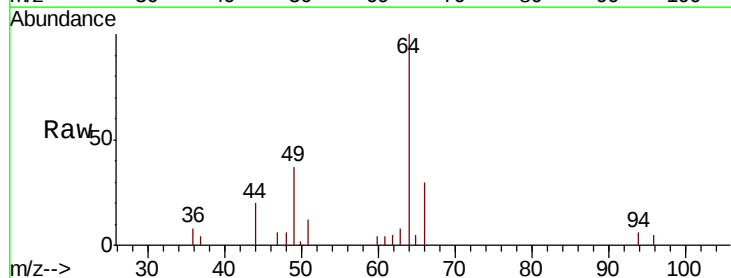
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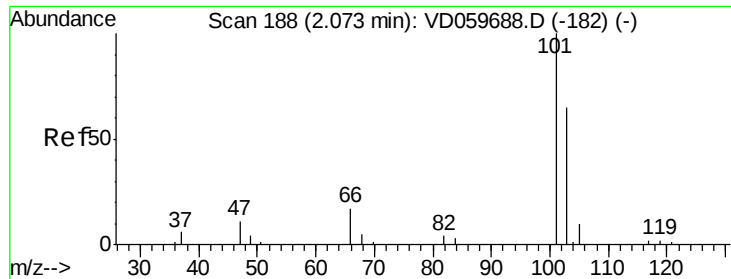
Tgt Ion: 94 Resp: 34170
Ion Ratio Lower Upper
94 100
96 98.5 76.6 114.8



#6
Chloroethane
Concen: 66.305 ug/l
RT: 1.87 min Scan# 167
Delta R.T. 0.00 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Tgt Ion: 64 Resp: 35323
Ion Ratio Lower Upper
64 100
66 30.3 27.2 40.8



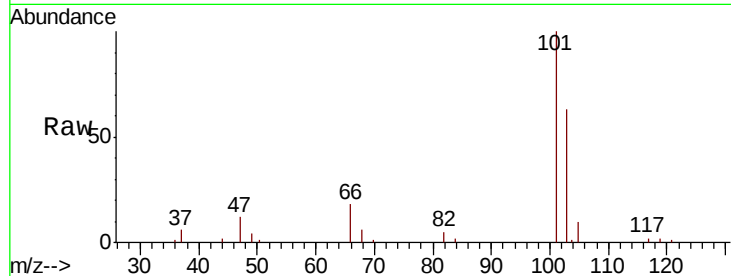


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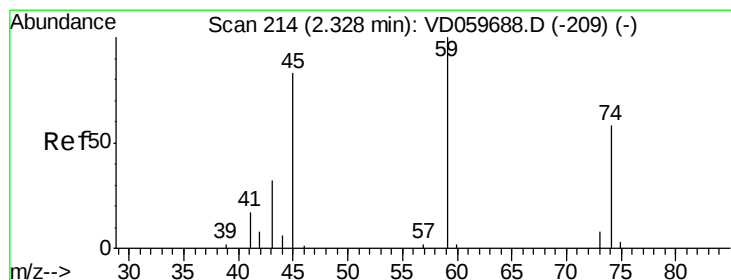
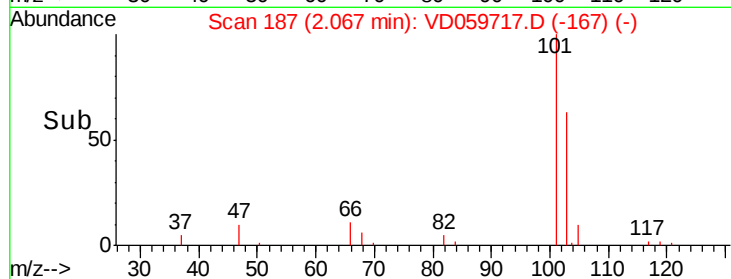
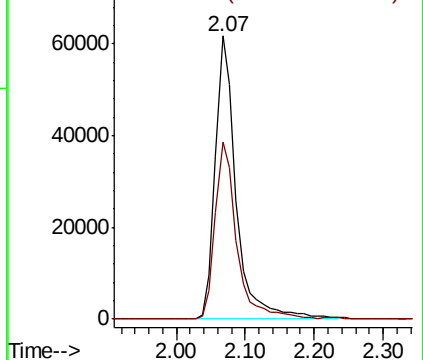
Trichlorofluoromethane
Concen: 60.934 ug/l
RT: 2.07 min Scan# 187
Delta R.T. -0.01 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Instrument :
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Tgt Ion: 101 Resp: 130180
Ion Ratio Lower Upper
101 100
103 62.8 51.7 77.5



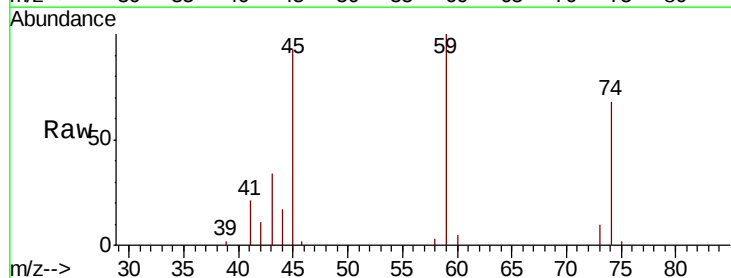
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



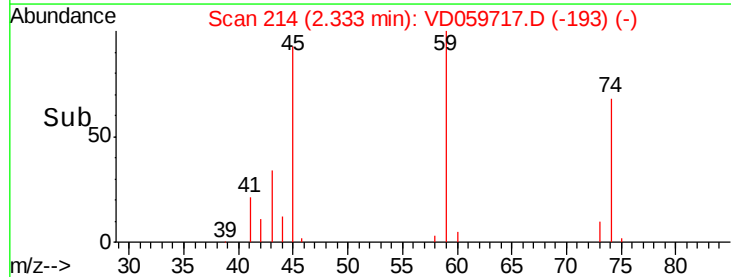
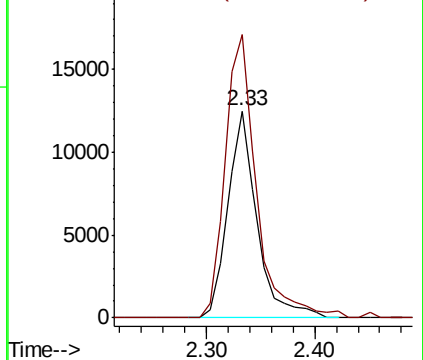
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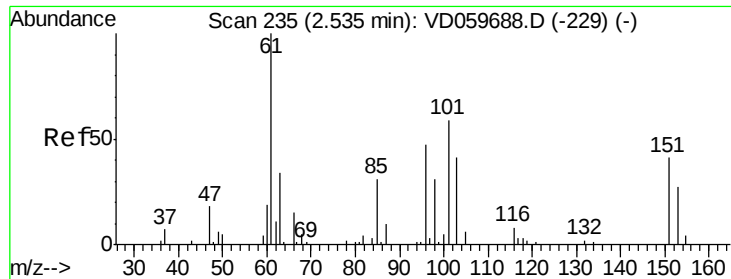
Diethyl Ether
Concen: 59.625 ug/l
RT: 2.33 min Scan# 214
Delta R.T. 0.00 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Tgt Ion: 74 Resp: 23335
Ion Ratio Lower Upper
74 100
45 136.8 71.4 214.2



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

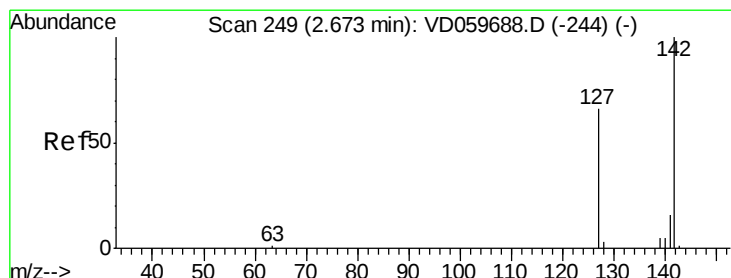
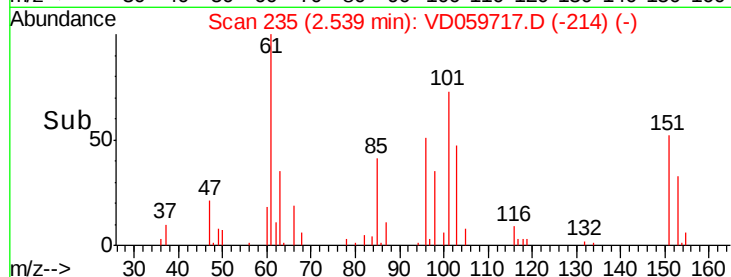
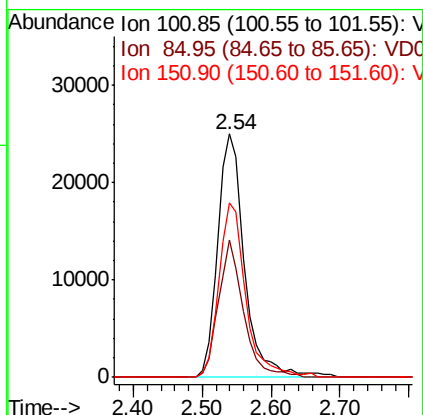
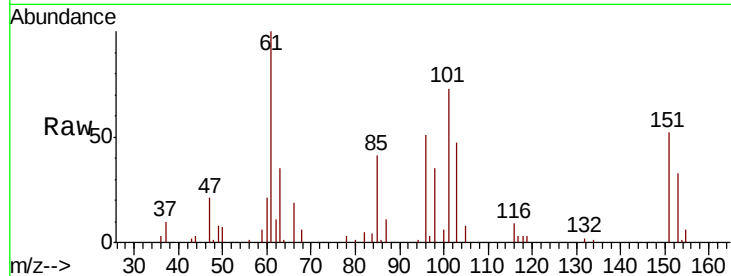




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 55.796 ug/l
 RT: 2.54 min Scan# 235
 Delta R.T. 0.00 min
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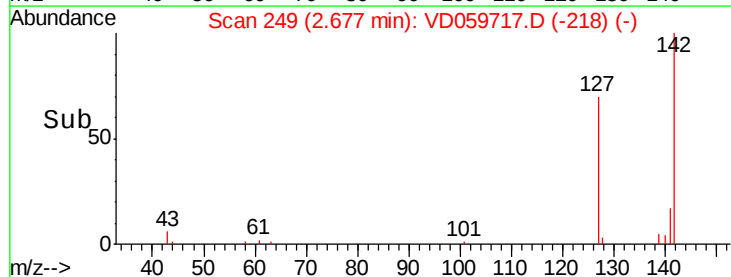
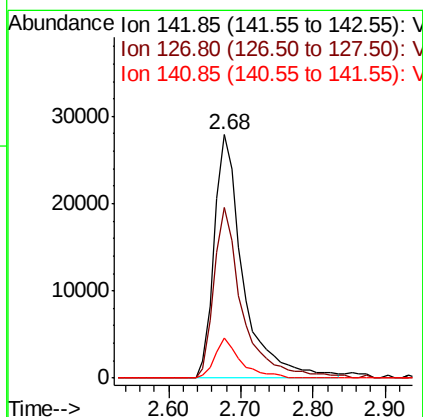
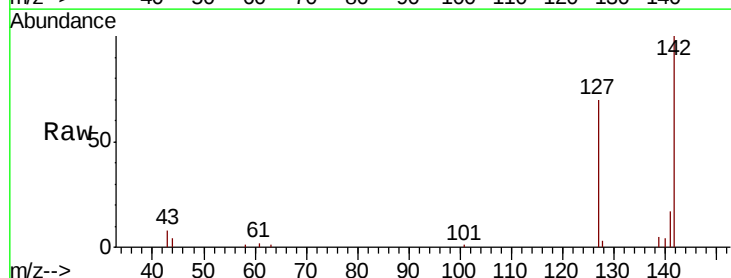
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

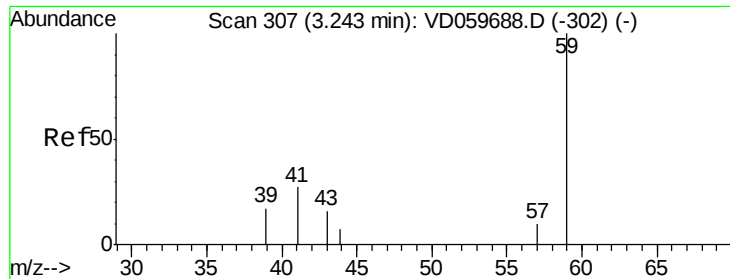
Tgt Ion:101 Resp: 67335
 Ion Ratio Lower Upper
 101 100
 85 56.4 42.2 63.4
 151 71.6 55.2 82.8



#10
 Methyl Iodide
 Concen: 55.559 ug/l
 RT: 2.68 min Scan# 249
 Delta R.T. 0.01 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

Tgt Ion:142 Resp: 77082
 Ion Ratio Lower Upper
 142 100
 127 70.2 52.6 79.0
 141 16.6 12.5 18.7

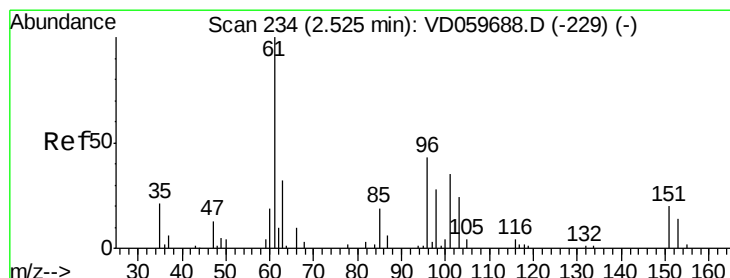
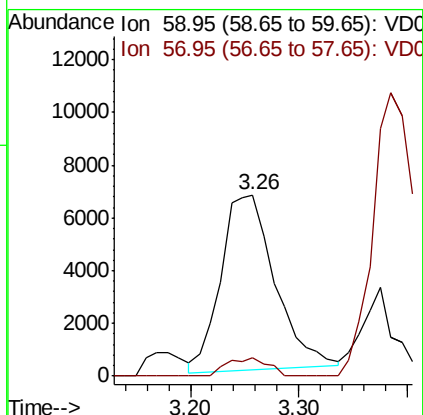
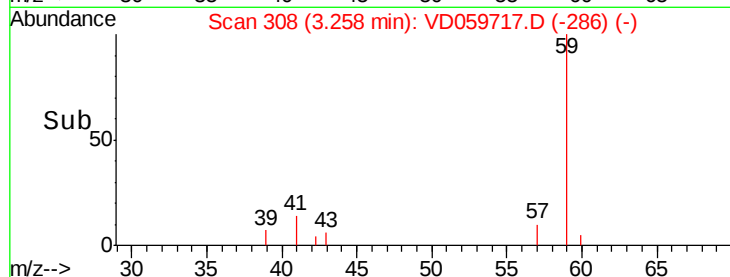
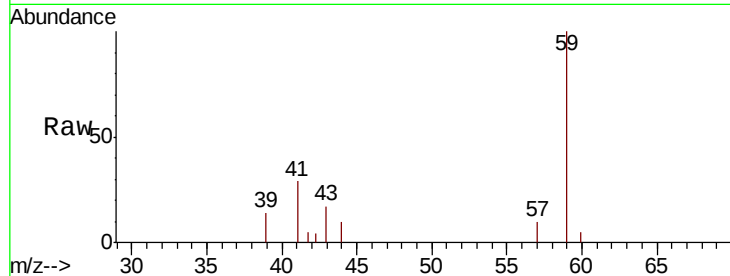




#11
Tert butyl alcohol
Concen: 274.584 ug/l
RT: 3.26 min Scan# 308
Delta R.T. 0.01 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

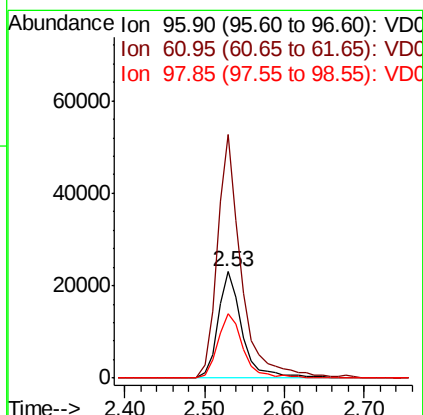
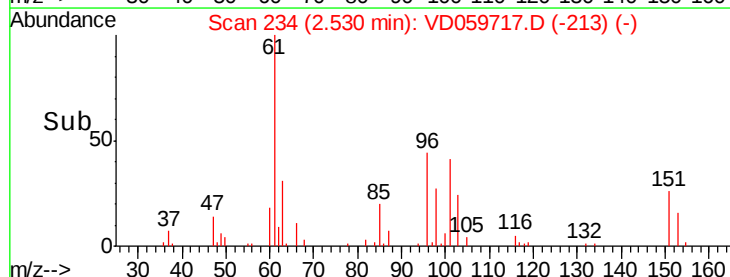
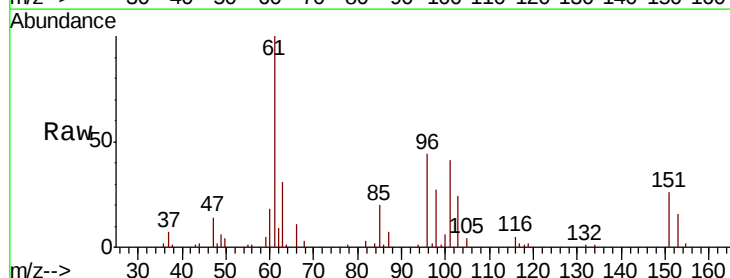
Instrument :
MSVOA_D
ClientSampleId :
BFB

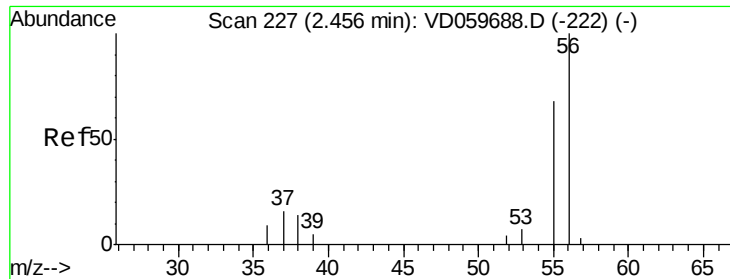
Tgt Ion: 59 Resp: 23070
Ion Ratio Lower Upper
59 100
57 9.9 6.8 10.2



#12
1,1-Dichloroethene
Concen: 55.665 ug/l
RT: 2.53 min Scan# 234
Delta R.T. 0.00 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Tgt Ion: 96 Resp: 49081
Ion Ratio Lower Upper
96 100
61 229.4 184.1 276.1
98 61.3 52.4 78.6

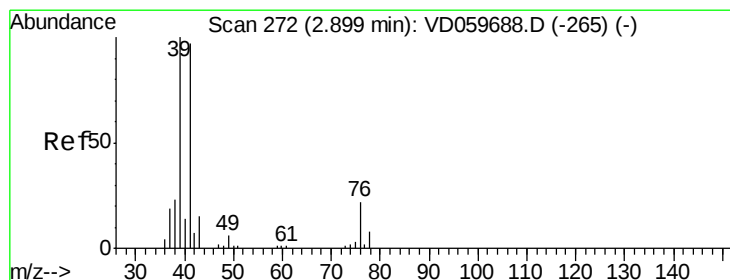
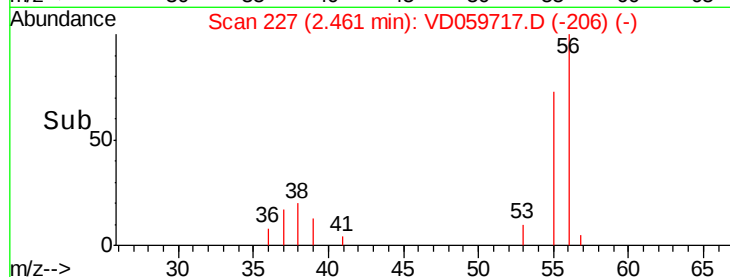
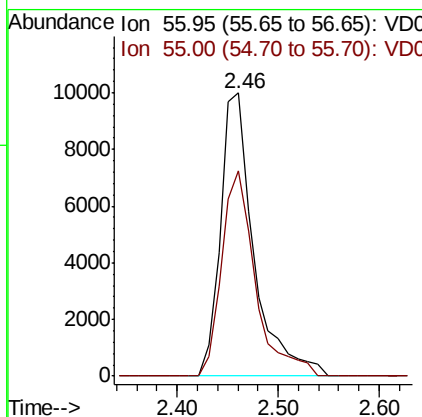
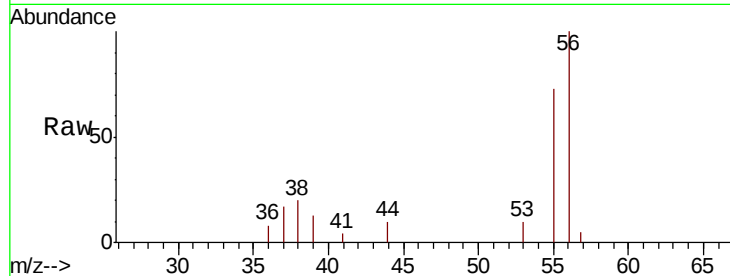




#13
 Acrolein
 Concen: 291.213 ug/l
 RT: 2.46 min Scan# 227
 Delta R.T. 0.00 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

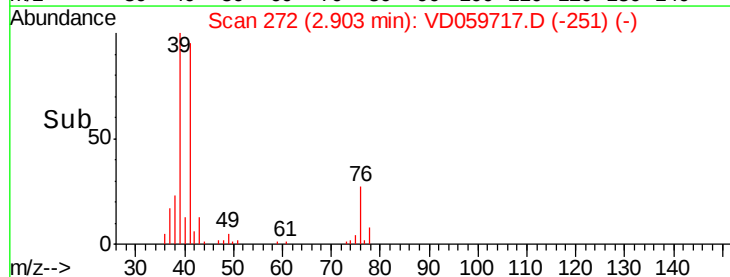
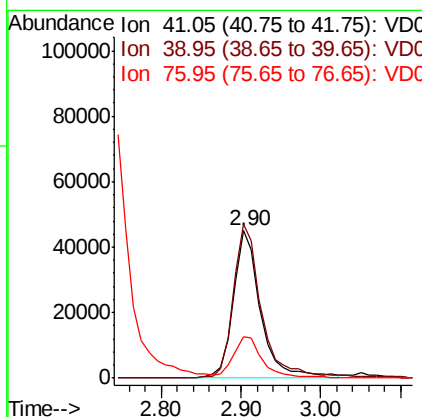
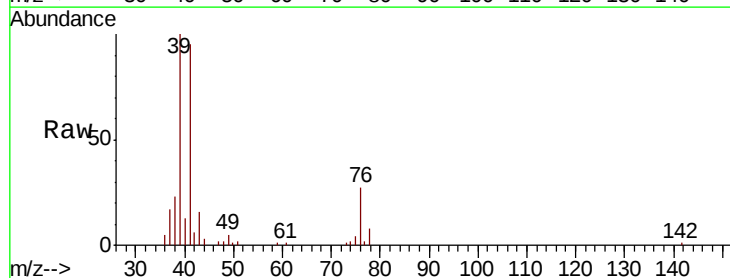
Instrument :
 MSVOA_D
 ClientSampled :
 BFB

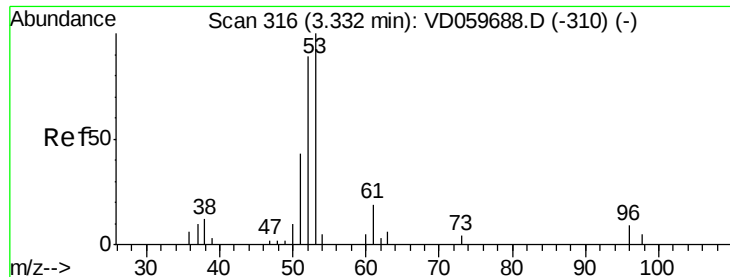
Tgt Ion: 56 Resp: 22981
 Ion Ratio Lower Upper
 56 100
 55 72.5 54.4 81.6



#14
 Allyl chloride
 Concen: 53.409 ug/l
 RT: 2.90 min Scan# 272
 Delta R.T. 0.00 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

Tgt Ion: 41 Resp: 107752
 Ion Ratio Lower Upper
 41 100
 39 104.8 82.5 123.7
 76 28.3 22.1 33.1





#15

Acrylonitrile

Concen: 252.463 ug/l

RT: 3.35 min Scan# 317

Delta R.T. 0.01 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Instrument :

MSVOA_D

ClientSampled :

BFB

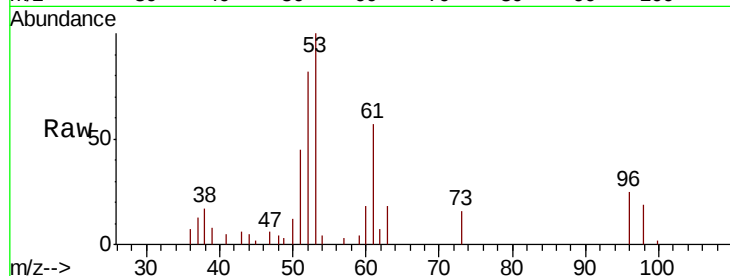
Tgt Ion: 53 Resp: 58833

Ion Ratio Lower Upper

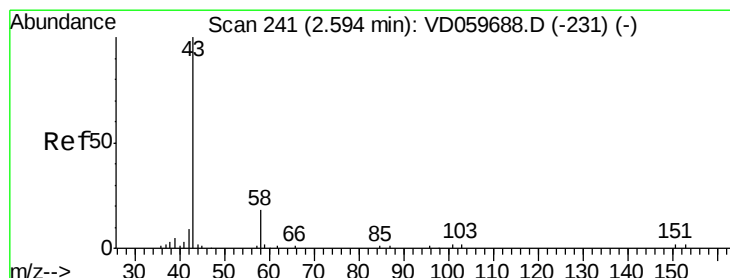
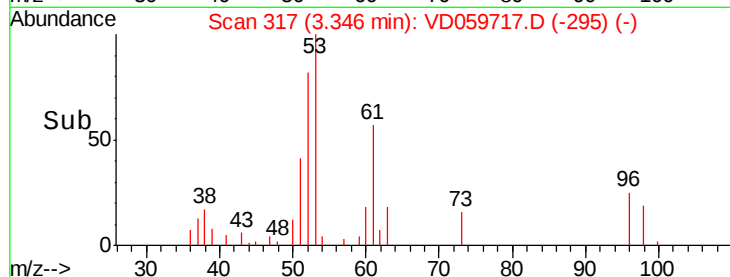
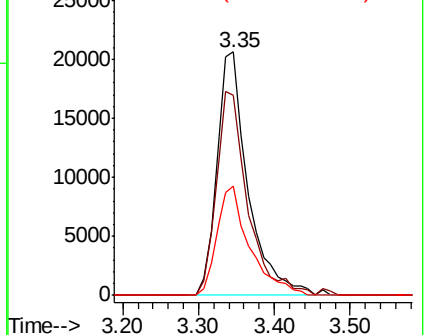
53 100

52 82.3 71.4 107.0

51 44.8 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: 313.864 ug/l

RT: 2.60 min Scan# 241

Delta R.T. 0.00 min

Lab File: VD059717.D

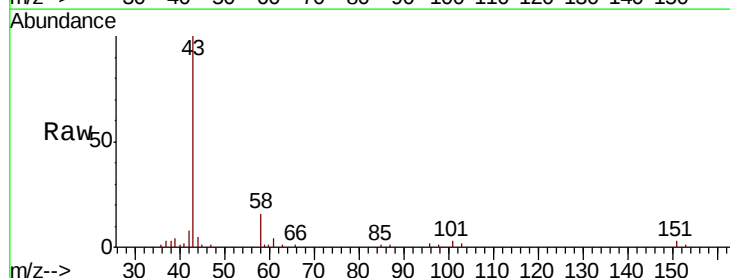
Acq: 9 Aug 2018 14:51

Tgt Ion: 43 Resp: 136135

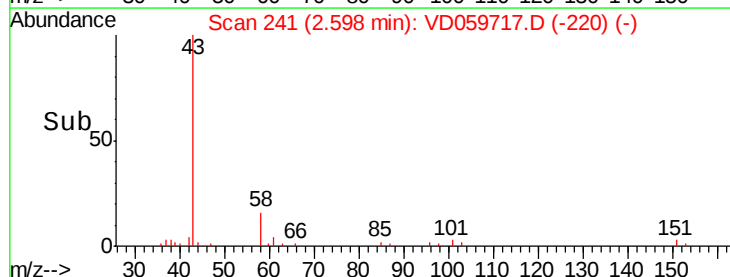
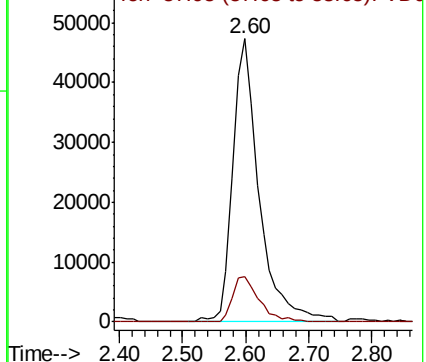
Ion Ratio Lower Upper

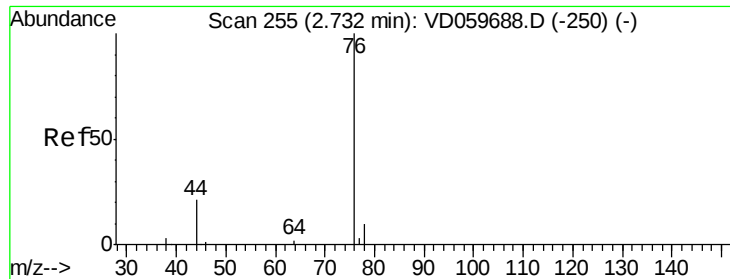
43 100

58 15.8 14.2 21.2



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

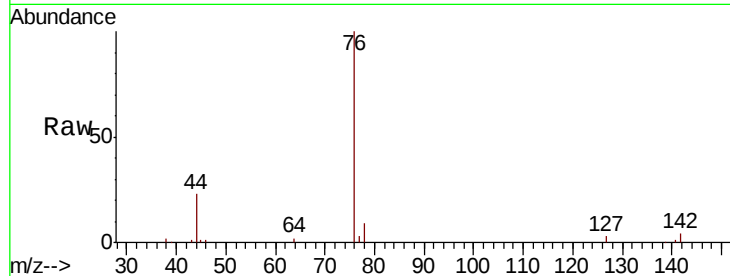




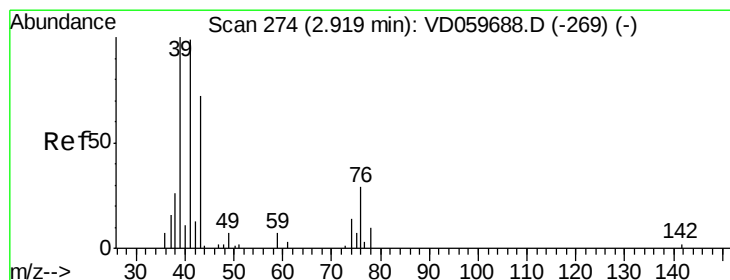
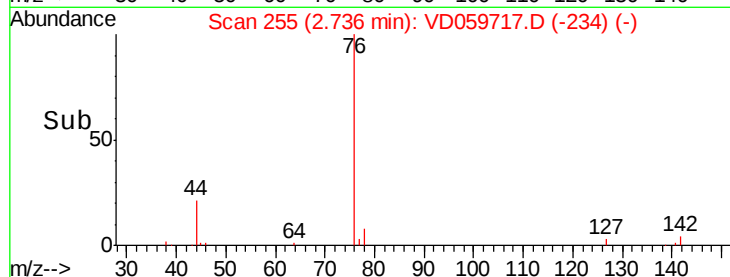
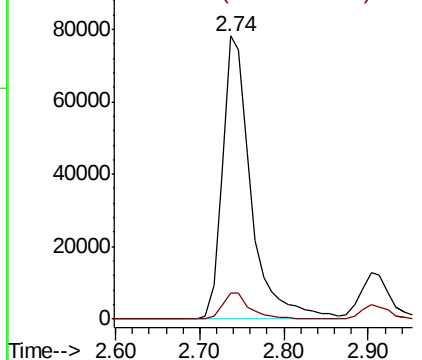
#17
Carbon Disulfide
Concen: 57.285 ug/l
RT: 2.74 min Scan# 255
Delta R.T. 0.00 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Instrument :
MSVOA_D
ClientSampleId :
BFB

Tgt Ion: 76 Resp: 182465
Ion Ratio Lower Upper
76 100
78 9.1 7.7 11.5

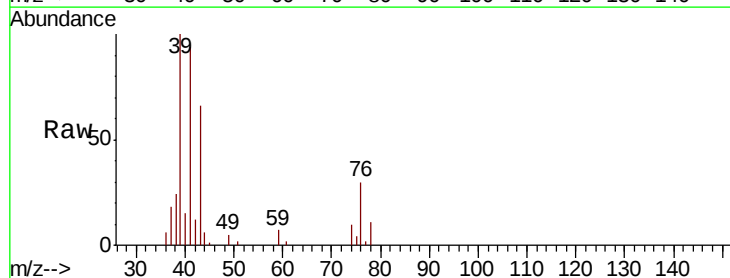


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

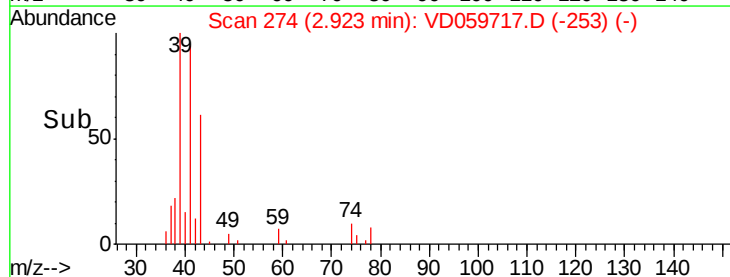
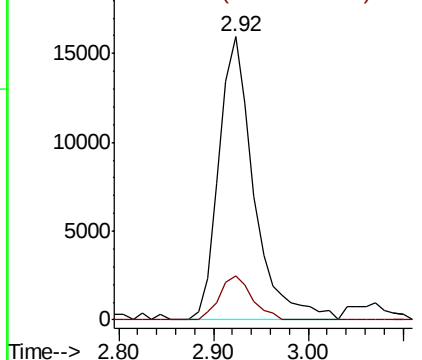


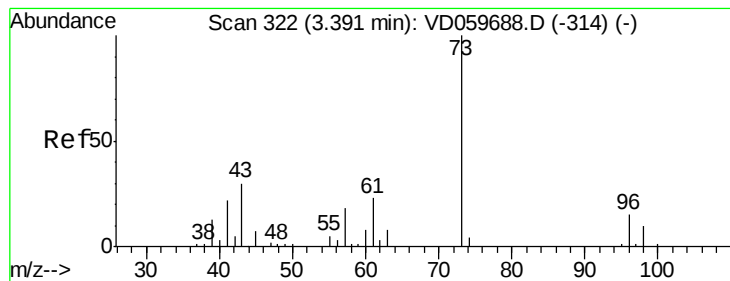
#18
Methyl Acetate
Concen: 51.214 ug/l
RT: 2.92 min Scan# 274
Delta R.T. 0.01 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Tgt Ion: 43 Resp: 41046
Ion Ratio Lower Upper
43 100
74 15.4 15.7 23.5#



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



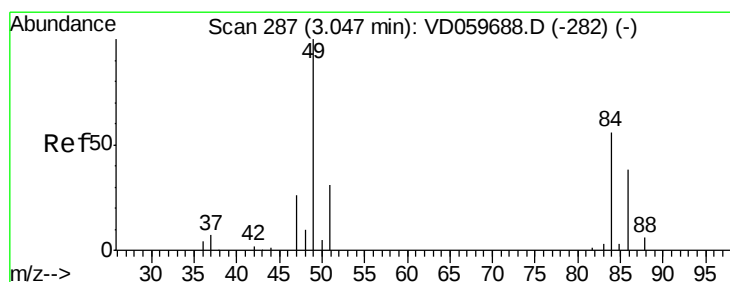
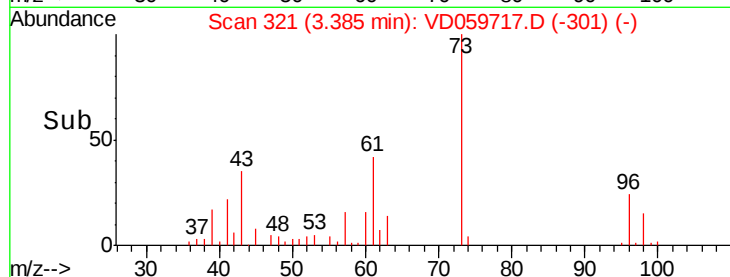
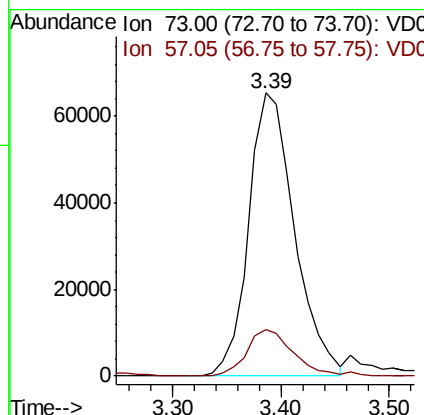
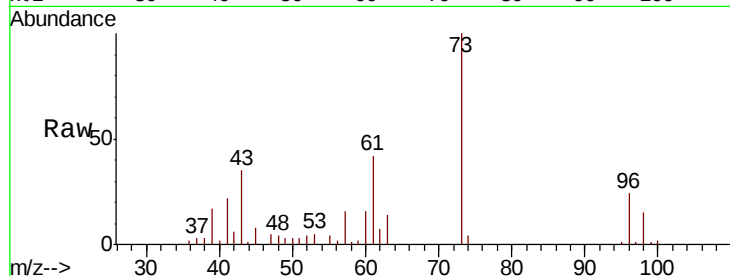


#19

Methyl tert-butyl Ether
 Concen: 57.052 ug/l
 RT: 3.39 min Scan# 321
 Delta R.T. -0.01 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

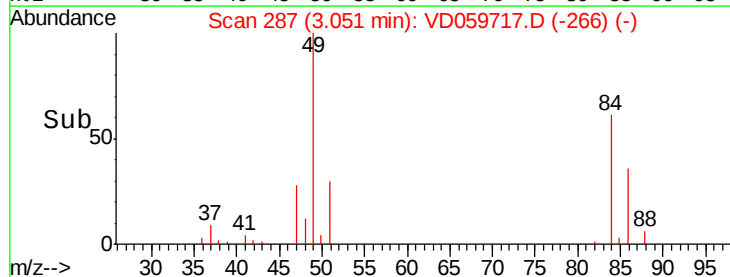
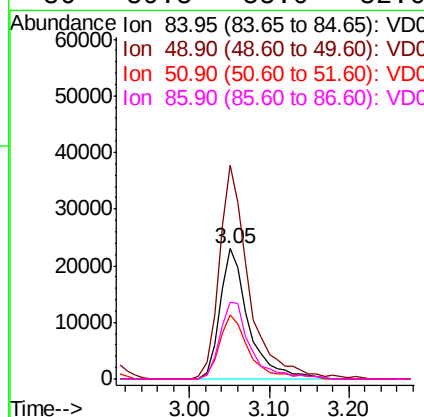
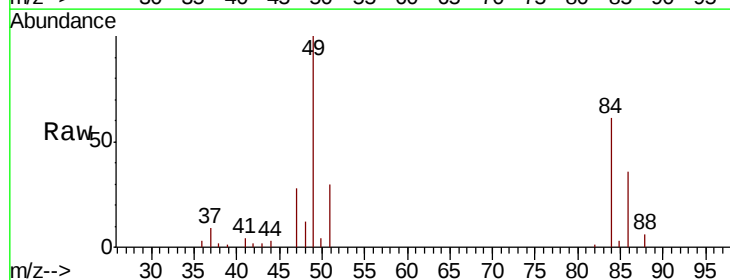
Tgt Ion: 73 Resp: 191955
 Ion Ratio Lower Upper
 73 100
 57 16.4 14.3 21.5

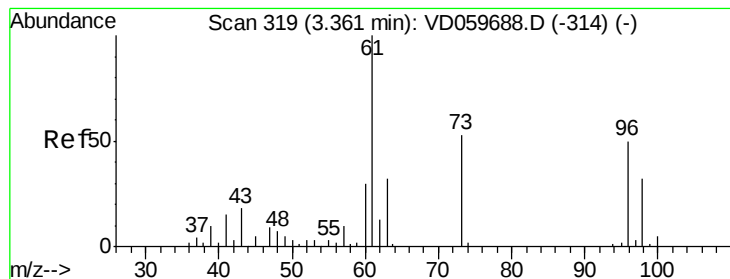


#20

Methylene Chloride
 Concen: 49.058 ug/l
 RT: 3.05 min Scan# 287
 Delta R.T. 0.00 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

Tgt Ion: 84 Resp: 57831
 Ion Ratio Lower Upper
 84 100
 49 164.1 143.4 215.2
 51 48.8 44.2 66.4
 86 59.5 55.0 82.6





#21

trans-1,2-Dichloroethene

Concen: 53.523 ug/l

RT: 3.38 min Scan# 320

Delta R.T. 0.01 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Instrument :

MSVOA_D

ClientSampleId :

BFB

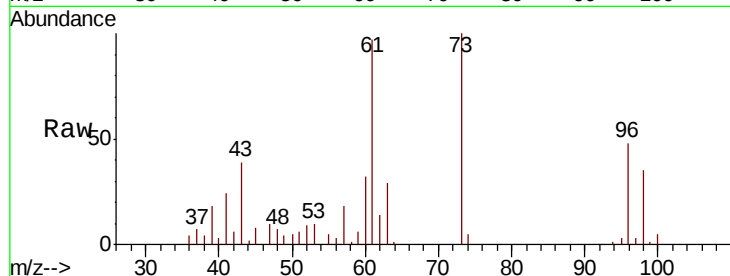
Tgt Ion: 96 Resp: 61769

Ion Ratio Lower Upper

96 100

61 203.7 160.6 241.0

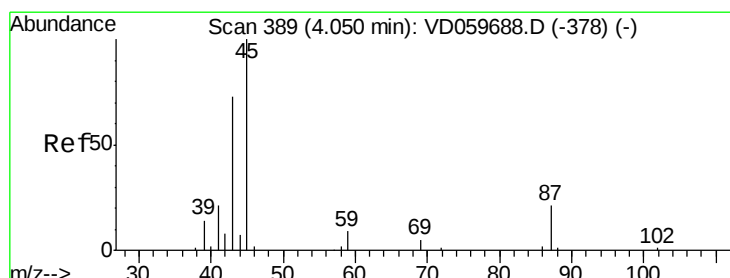
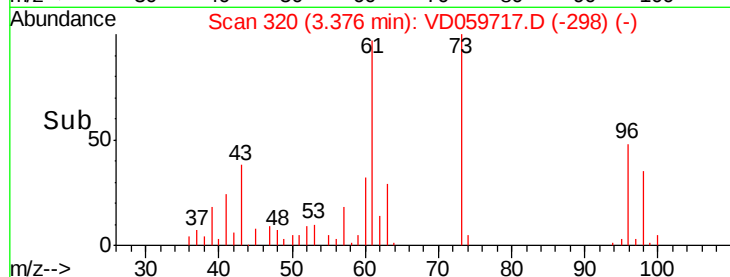
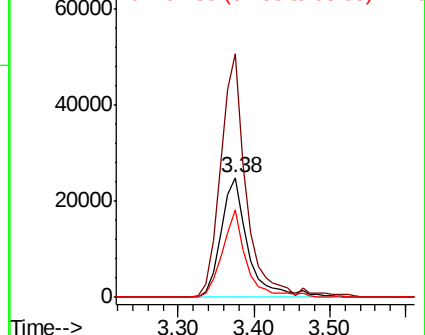
98 73.0 50.9 76.3



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: 46.584 ug/l

RT: 4.05 min Scan# 389

Delta R.T. 0.00 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Tgt Ion: 45 Resp: 221063

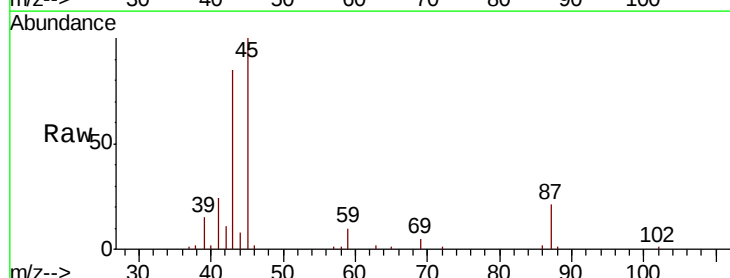
Ion Ratio Lower Upper

45 100

43 84.7 60.3 90.5

87 20.9 17.0 25.6

59 10.4 7.9 11.9

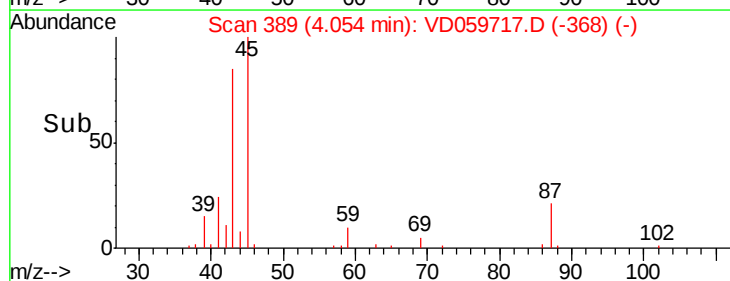
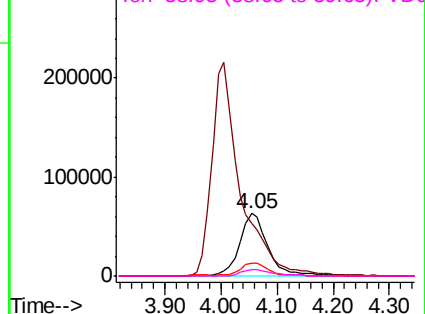


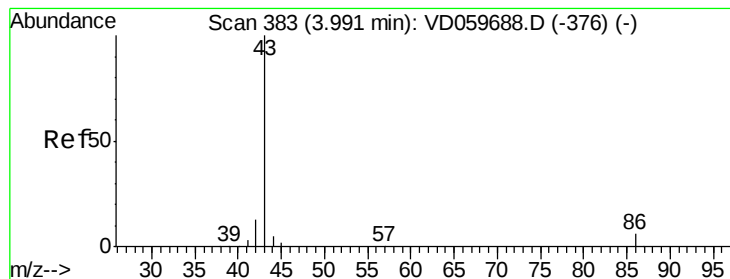
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 254.863 ug/l

RT: 4.01 min Scan# 384

Delta R.T. 0.01 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Instrument :

MSVOA_D

ClientSampleId :

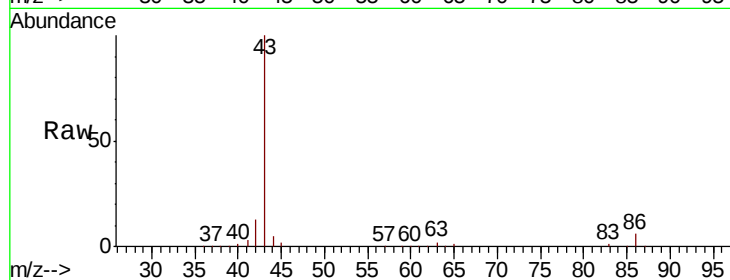
BFB

Tgt Ion: 43 Resp: 766772

Ion Ratio Lower Upper

43 100

86 5.8 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

4.01

250000

200000

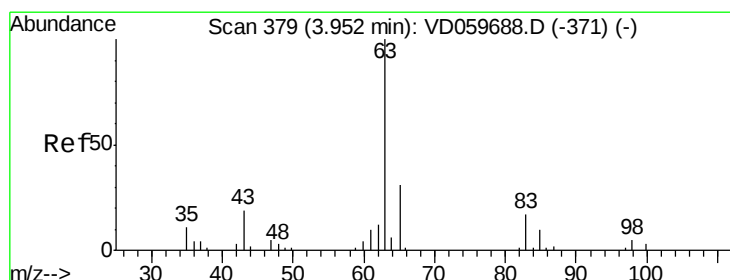
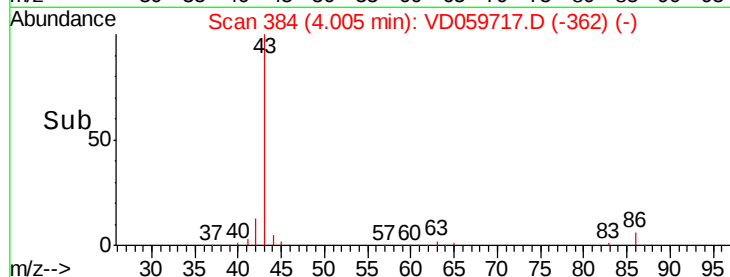
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.152 ug/l

RT: 3.96 min Scan# 379

Delta R.T. 0.00 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

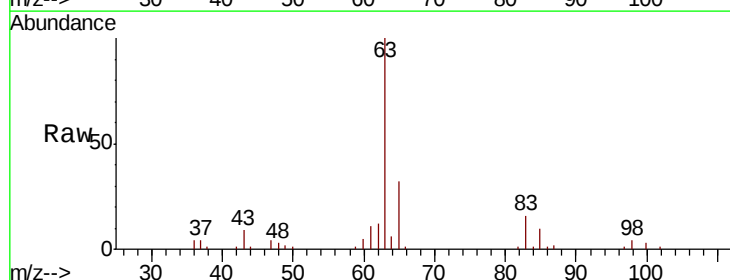
Tgt Ion: 63 Resp: 154382

Ion Ratio Lower Upper

63 100

98 3.9 2.4 7.1

100 2.6 1.6 4.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

3.96

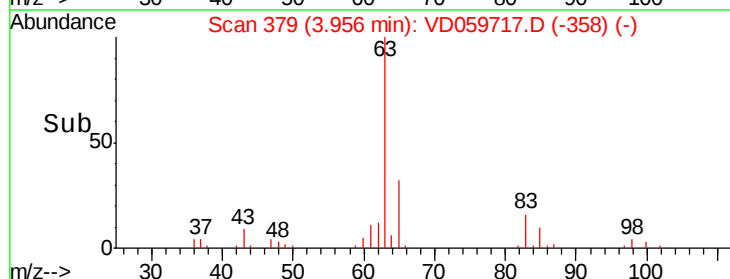
60000

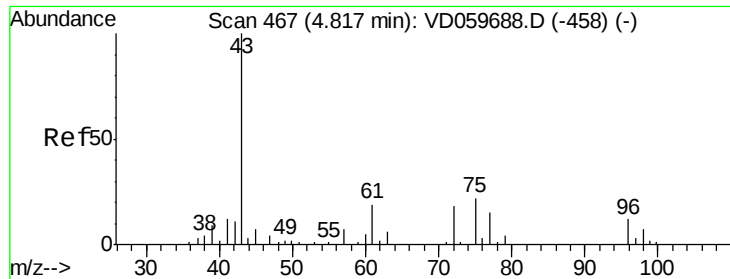
40000

20000

0

Time-->





#25

2-Butanone

Concen: 262.283 ug/l

RT: 4.82 min Scan# 467

Delta R.T. 0.00 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Instrument :

MSVOA_D

ClientSampleId :

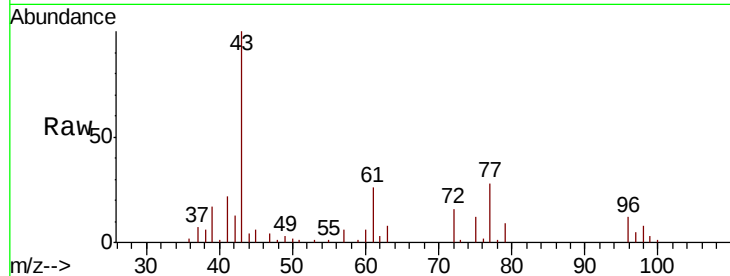
BFB

Tgt Ion: 43 Resp: 149419

Ion Ratio Lower Upper

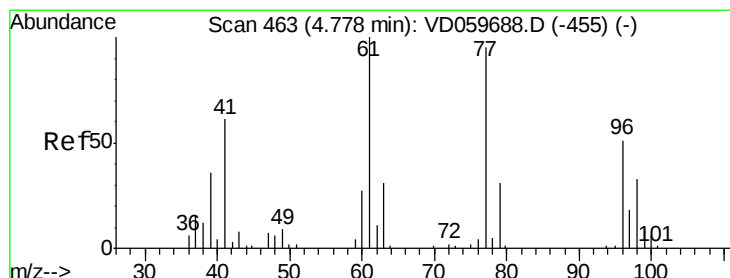
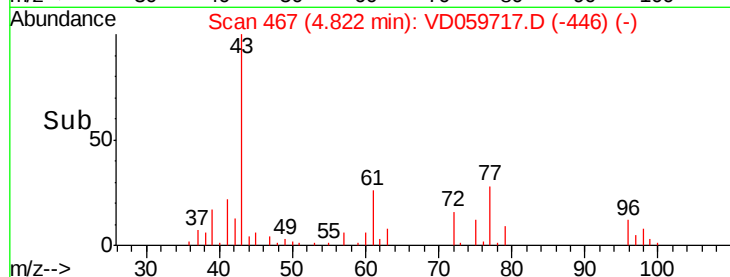
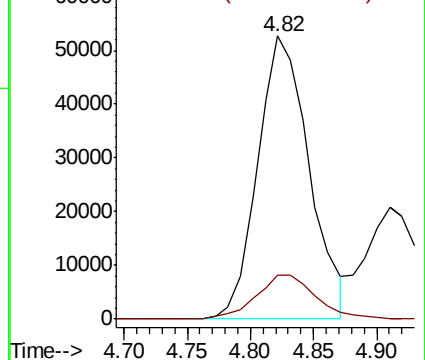
43 100

72 15.7 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: 58.233 ug/l

RT: 4.78 min Scan# 463

Delta R.T. 0.00 min

Lab File: VD059717.D

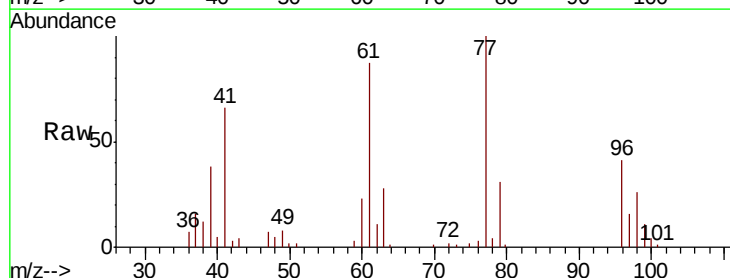
Acq: 9 Aug 2018 14:51

Tgt Ion: 77 Resp: 195330

Ion Ratio Lower Upper

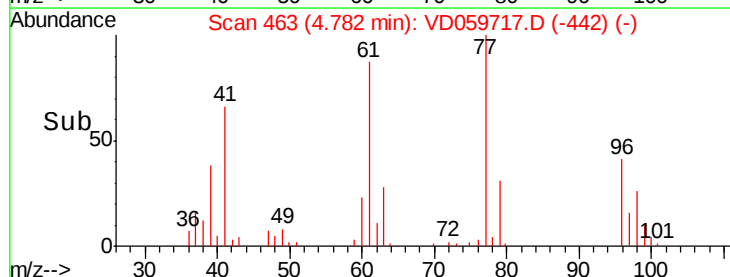
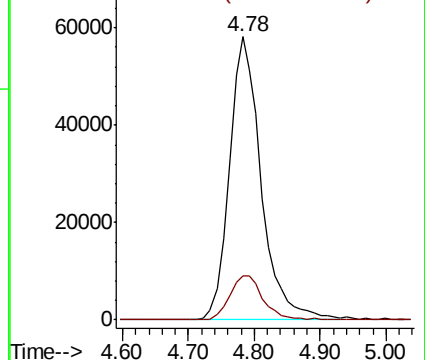
77 100

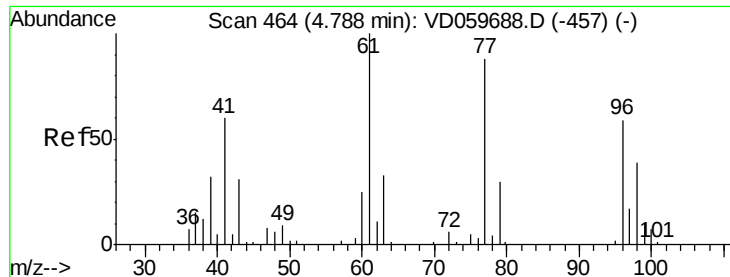
97 15.5 9.4 28.3



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



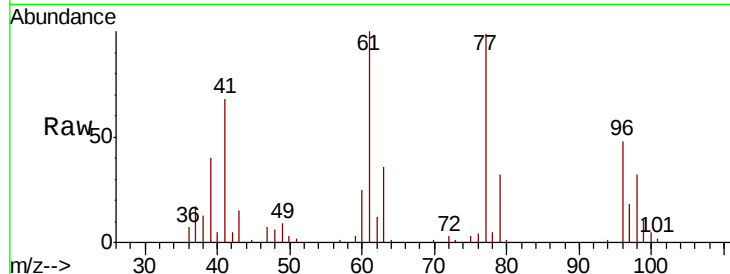


#27

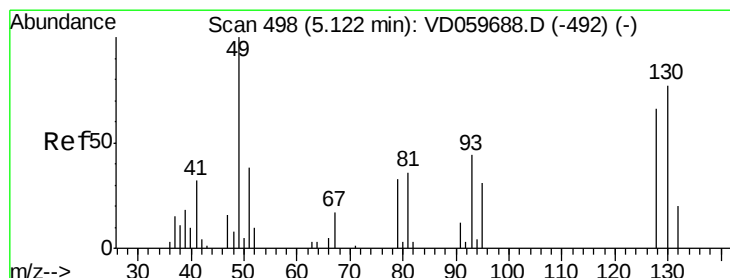
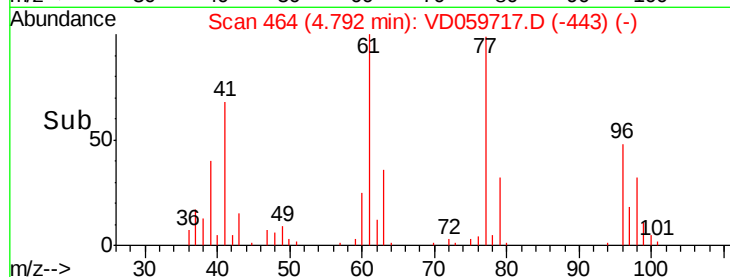
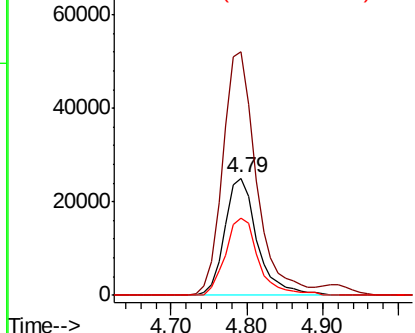
cis-1,2-Dichloroethene
 Concen: 44.384 ug/l
 RT: 4.79 min Scan# 464
 Delta R.T. 0.00 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

Instrument :
 MSVOA_D
 ClientSampleID :
 BFB

Tgt Ion: 96 Resp: 74376
 Ion Ratio Lower Upper
 96 100
 61 208.0 0.0 341.6
 98 66.4 0.0 131.0



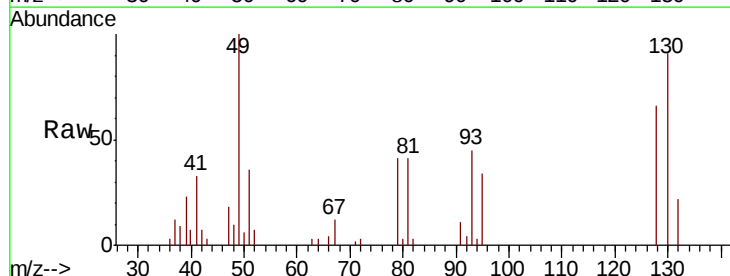
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



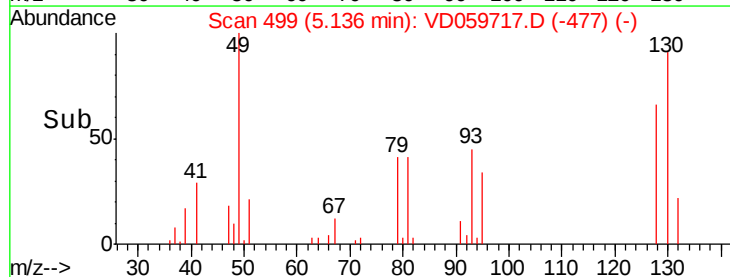
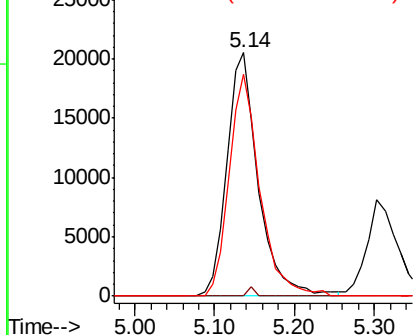
#28

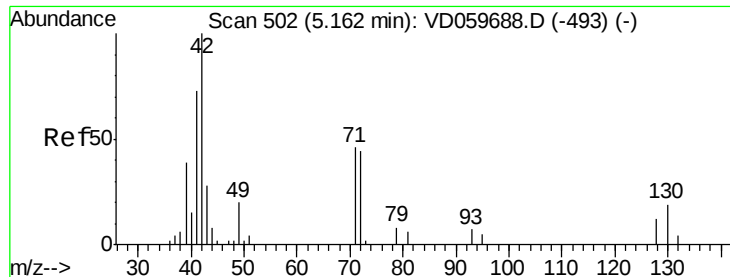
Bromochloromethane
 Concen: 48.875 ug/l
 RT: 5.14 min Scan# 499
 Delta R.T. 0.01 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

Tgt Ion: 49 Resp: 56676
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 91.3 61.2 91.8



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





#29

Tetrahydrofuran

Concen: 232.417 ug/l

RT: 5.18 min Scan# 503

Delta R.T. 0.01 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Instrument :

MSVOA_D

ClientSampled :

BFB

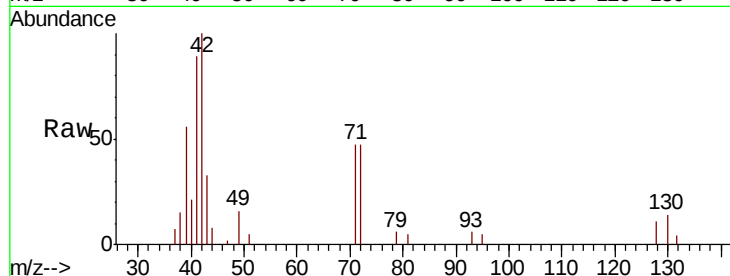
Tgt Ion: 42 Resp: 51278

Ion Ratio Lower Upper

42 100

72 42.9 36.7 55.1

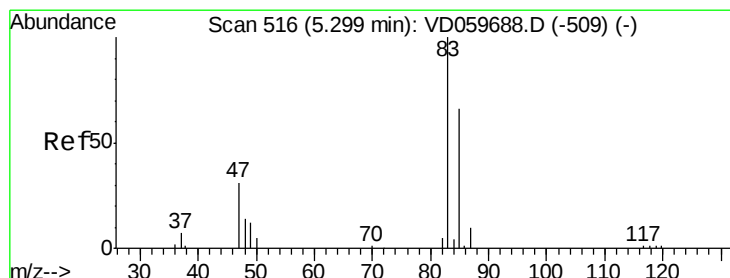
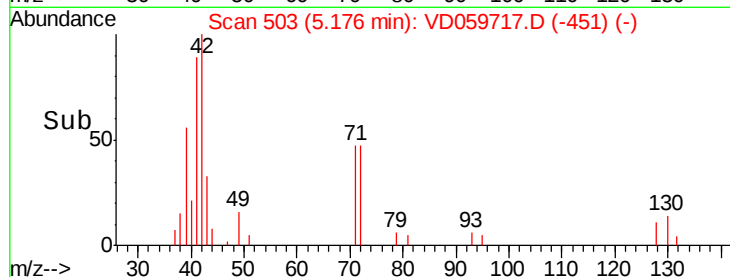
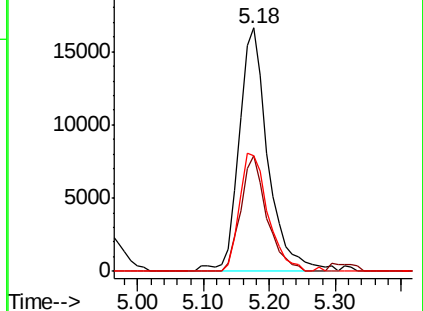
71 47.4 36.3 54.5



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: 52.231 ug/l

RT: 5.31 min Scan# 517

Delta R.T. 0.01 min

Lab File: VD059717.D

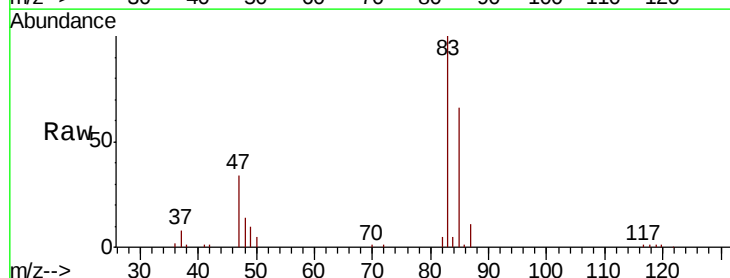
Acq: 9 Aug 2018 14:51

Tgt Ion: 83 Resp: 199968

Ion Ratio Lower Upper

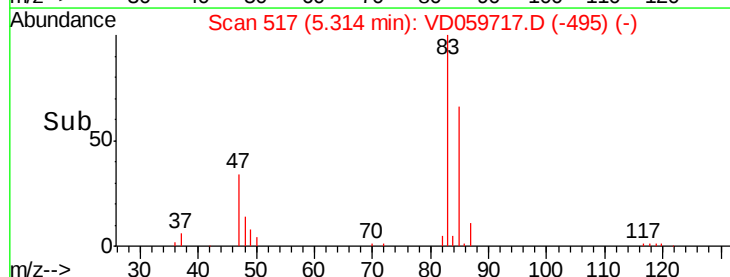
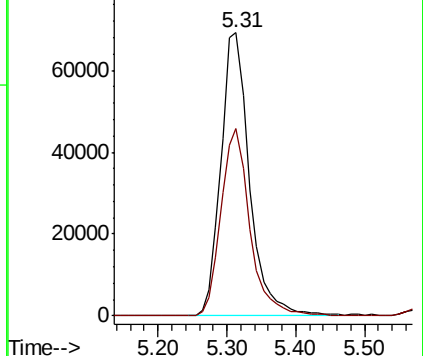
83 100

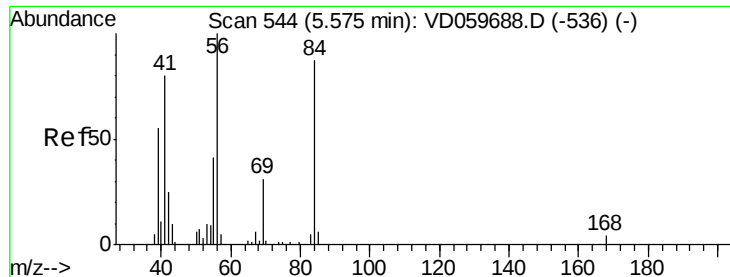
85 66.1 52.6 79.0



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

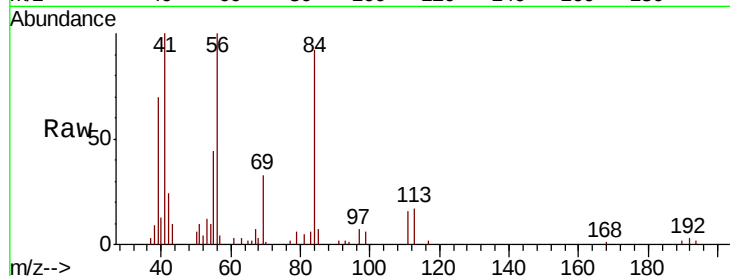




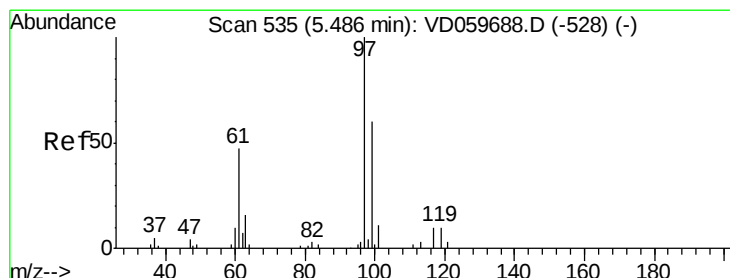
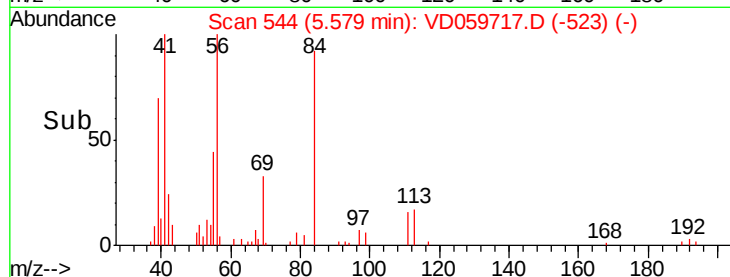
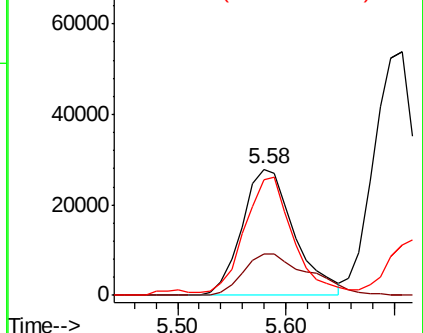
#31
Cyclohexane
Concen: 45.217 ug/l
RT: 5.58 min Scan# 544
Delta R.T. 0.01 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Instrument :
MSVOA_D
ClientSampleId :
BFB

Tgt Ion: 56 Resp: 93782
Ion Ratio Lower Upper
56 100
69 32.8 24.7 37.1
84 91.9 72.2 108.2

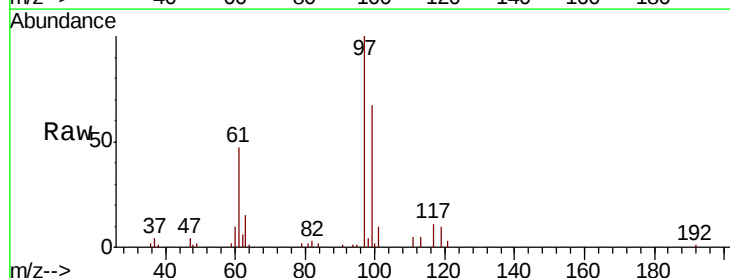


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

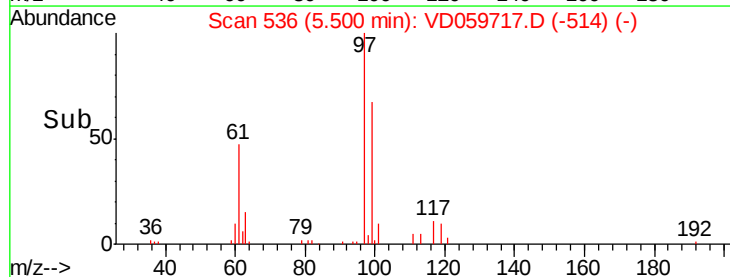
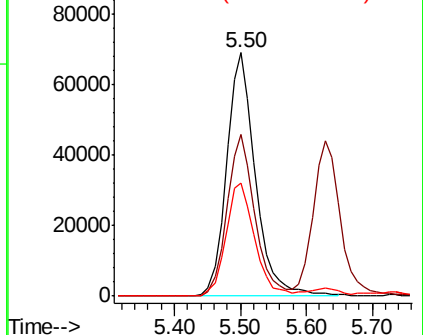


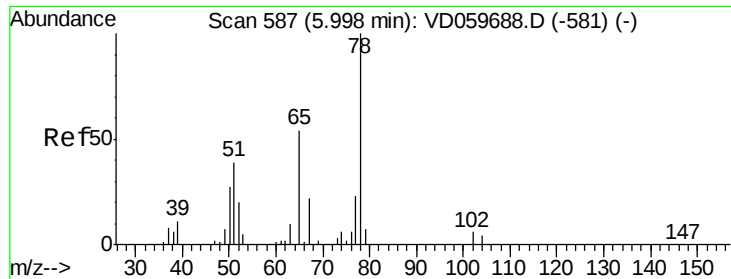
#32
1,1,1-Trichloroethane
Concen: 56.521 ug/l
RT: 5.50 min Scan# 536
Delta R.T. 0.01 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Tgt Ion: 97 Resp: 210474
Ion Ratio Lower Upper
97 100
99 66.5 48.2 72.2
61 46.7 37.5 56.3



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

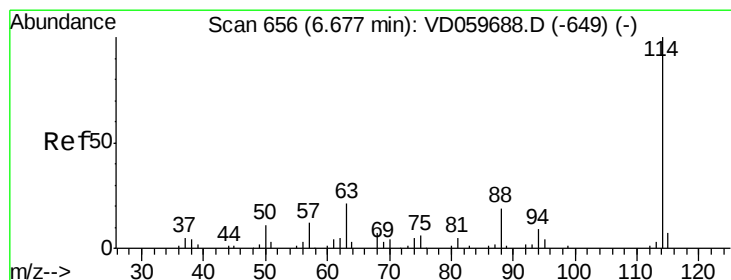
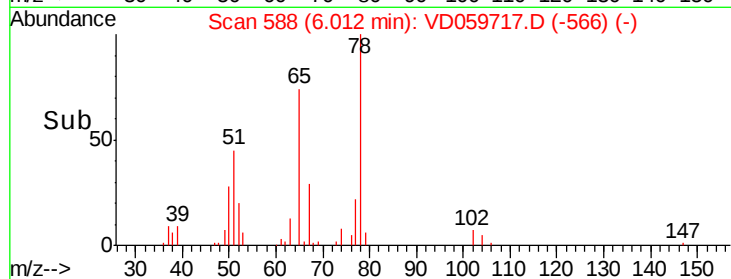
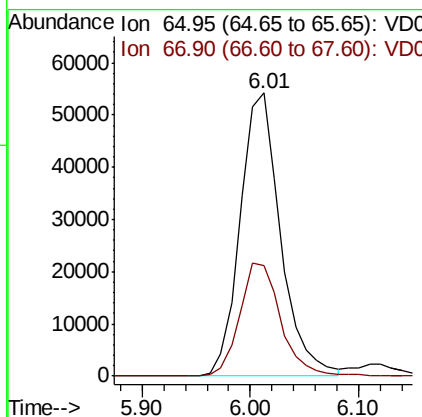
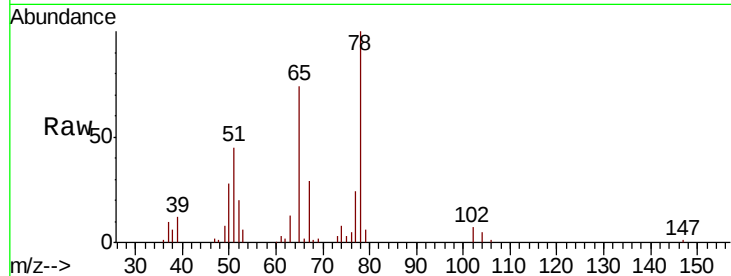




#33
 1,2-Dichloroethane-d4
 Concen: 56.521 ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. 0.01 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

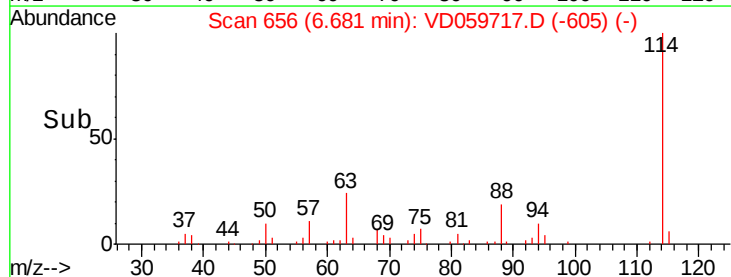
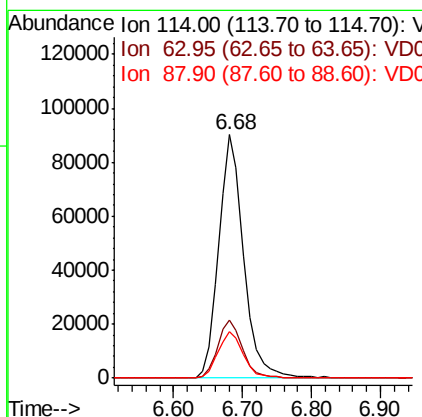
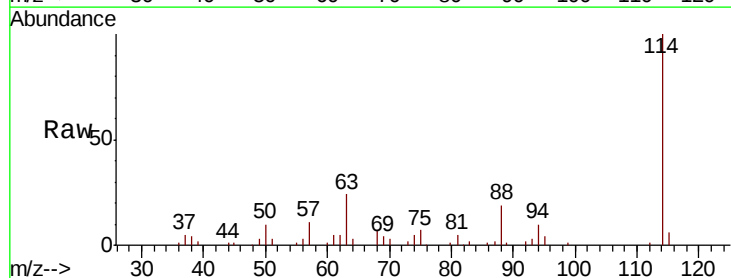
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

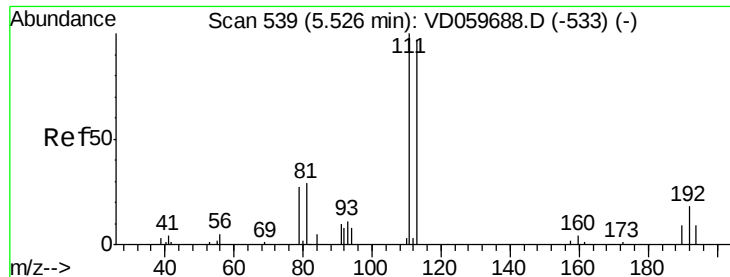
Tgt Ion: 65 Resp: 140206
 Ion Ratio Lower Upper
 65 100
 67 39.3 0.0 80.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. 0.00 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

Tgt Ion: 114 Resp: 224311
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 42.6
 88 19.0 0.0 38.8

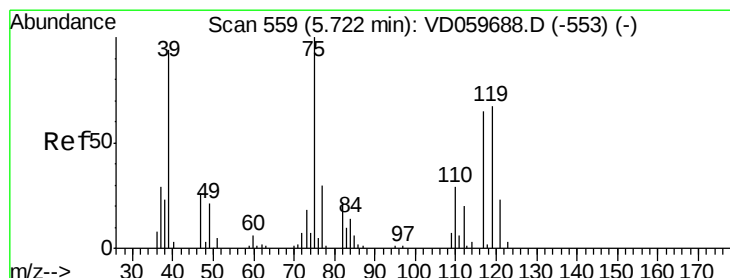
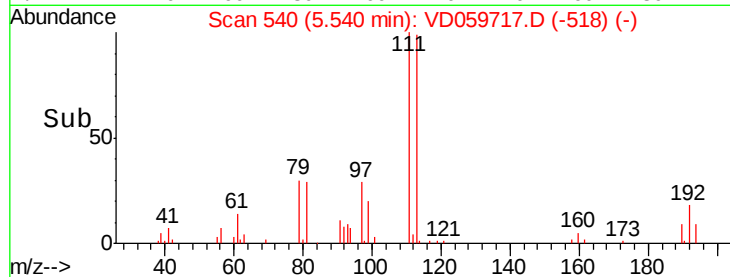
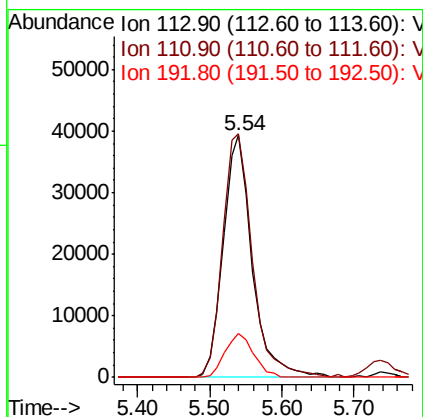
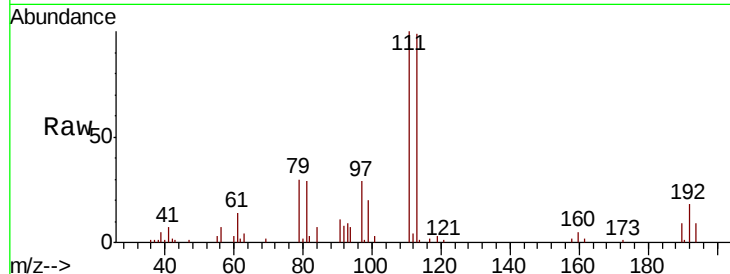




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.54 min Scan# 540
 Delta R.T. 0.01 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

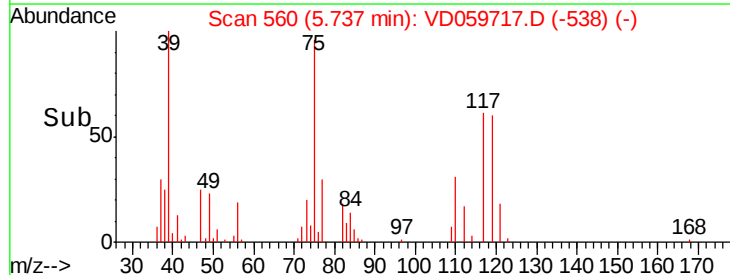
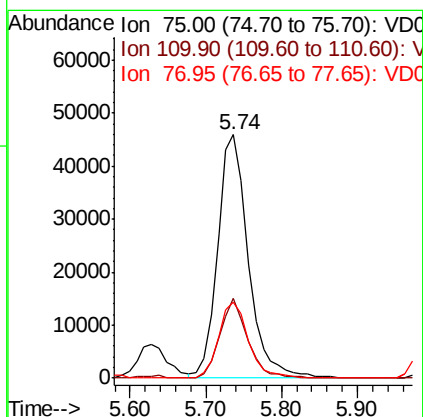
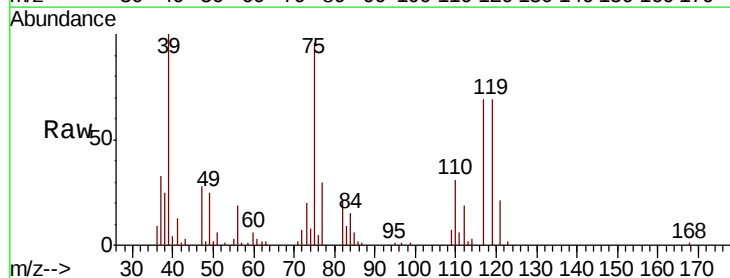
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

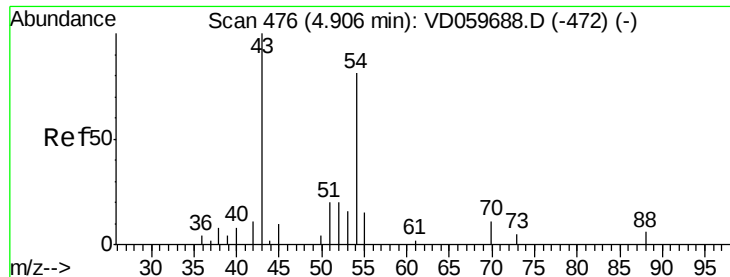
Tgt Ion:113 Resp: 108946
 Ion Ratio Lower Upper
 113 100
 111 100.5 82.8 124.2
 192 18.4 14.6 22.0



#36
 1,1-Dichloropropene
 Concen: 51.755 ug/l
 RT: 5.74 min Scan# 560
 Delta R.T. 0.01 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

Tgt Ion: 75 Resp: 129066
 Ion Ratio Lower Upper
 75 100
 110 32.7 14.1 42.3
 77 31.3 23.9 35.9





#37

Ethyl Acetate

Concen: 55.681 ug/l

RT: 4.91 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Instrument :

MSVOA_D

ClientSampleId :

BFB

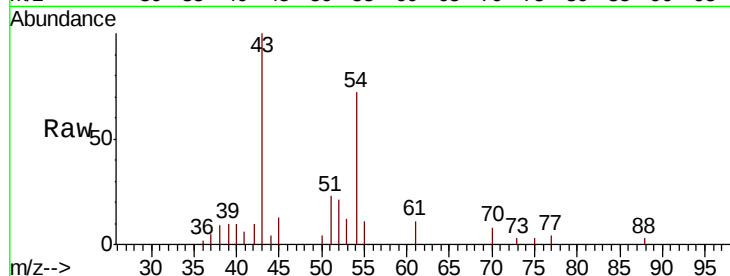
Tgt Ion: 43 Resp: 67420

Ion Ratio Lower Upper

43 100

61 11.3 10.1 15.1

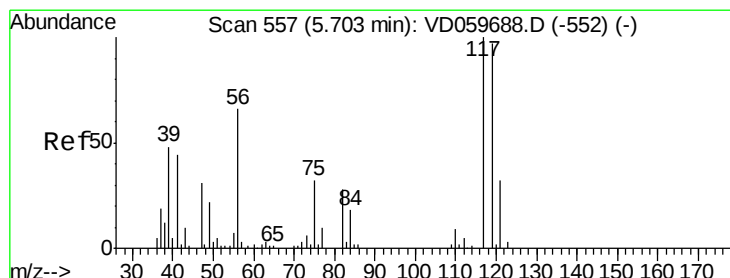
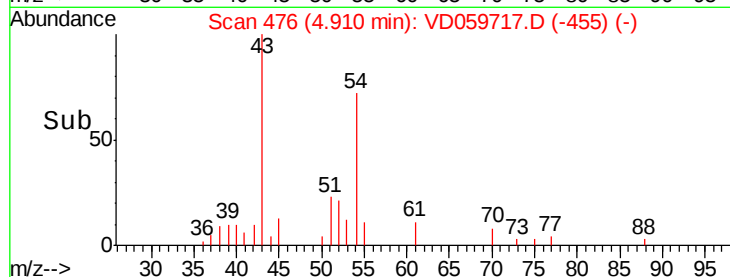
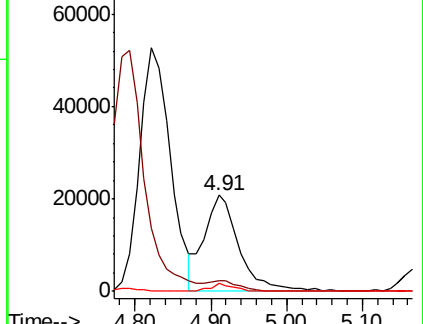
70 8.2 5.4 8.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 61.702 ug/l

RT: 5.72 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

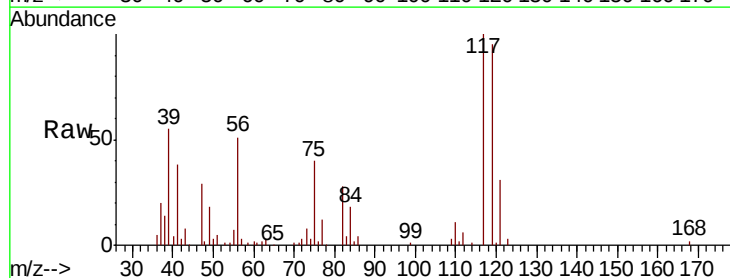
Tgt Ion: 117 Resp: 205916

Ion Ratio Lower Upper

117 100

119 94.9 75.3 112.9

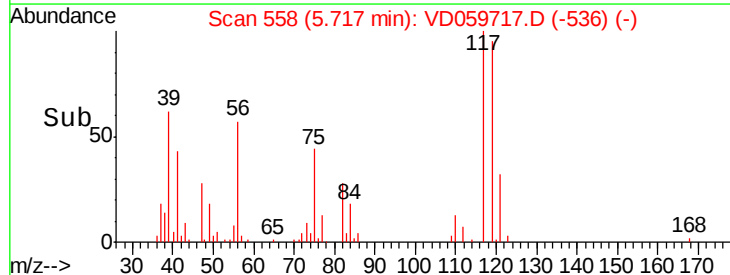
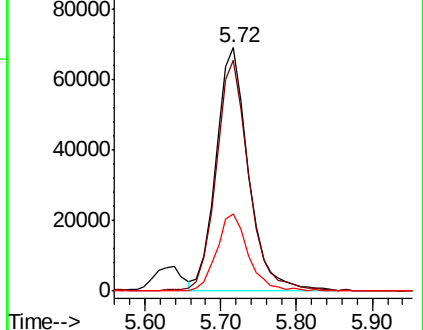
121 31.5 24.4 36.6

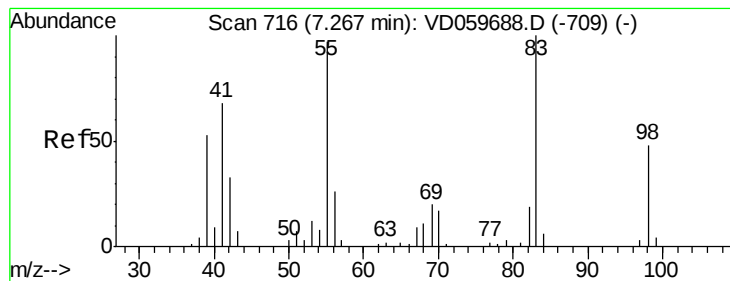


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#39

Methylcyclohexane

Concen: 48.010 ug/l

RT: 7.27 min Scan# 716

Delta R.T. 0.00 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Instrument :

MSVOA_D

ClientSampleId :

BFB

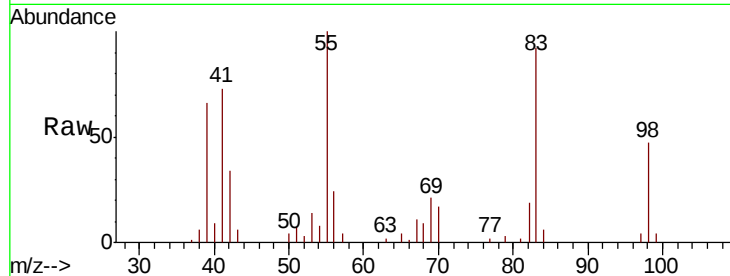
Tgt Ion: 83 Resp: 101183

Ion Ratio Lower Upper

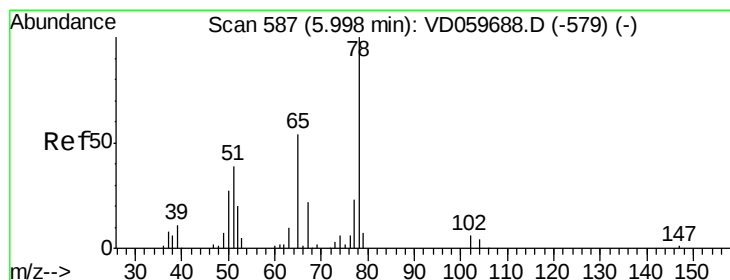
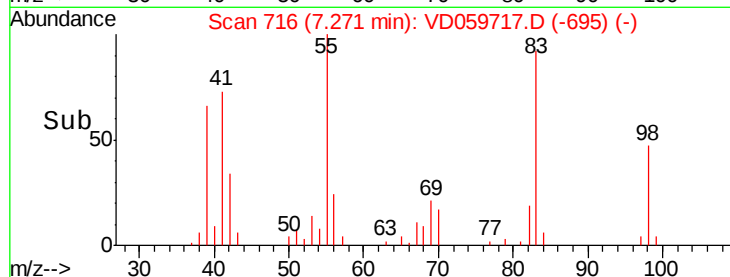
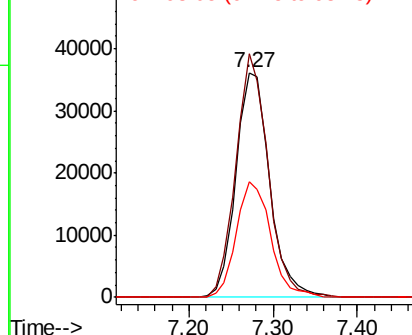
83 100

55 108.3 77.7 116.5

98 51.3 38.7 58.1



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



#40

Benzene

Concen: 45.590 ug/l

RT: 6.00 min Scan# 587

Delta R.T. 0.00 min

Lab File: VD059717.D

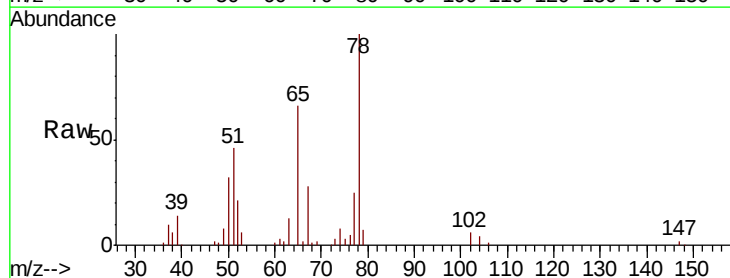
Acq: 9 Aug 2018 14:51

Tgt Ion: 78 Resp: 220492

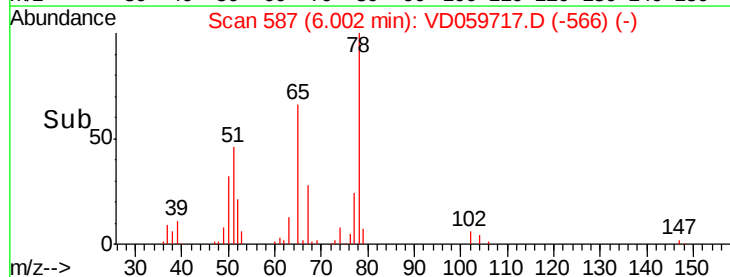
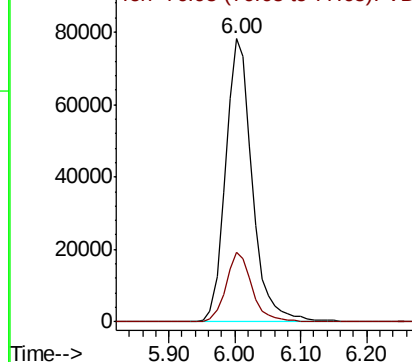
Ion Ratio Lower Upper

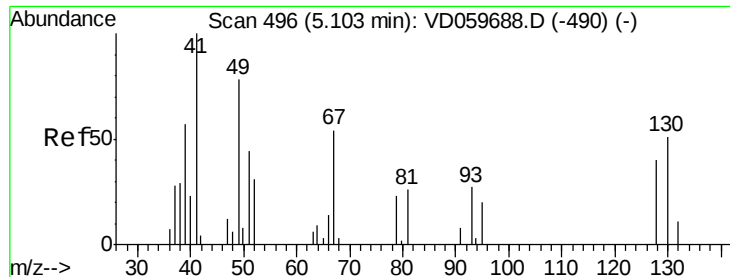
78 100

77 24.7 18.4 27.6



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





#41

Methacrylonitrile

Concen: 51.063 ug/l

RT: 5.11 min Scan# 496

Delta R.T. 0.00 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Instrument :

MSVOA_D

ClientSampleId :

BFB

Tgt Ion: 41 Resp: 28908

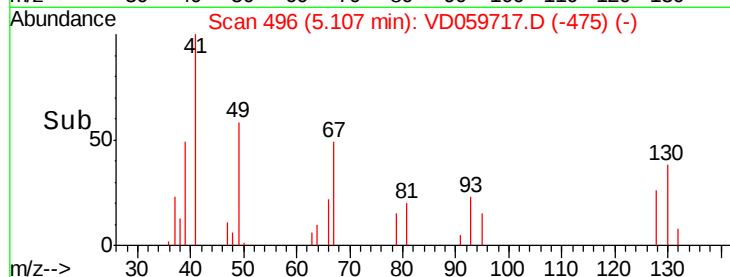
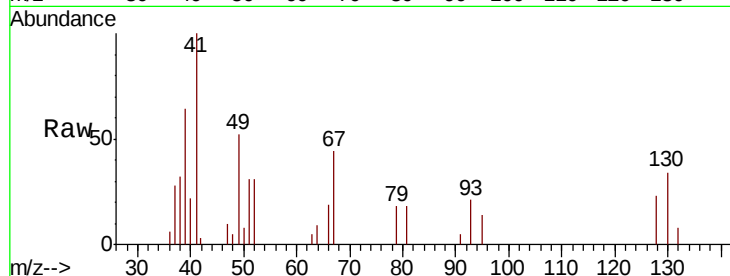
Ion Ratio Lower Upper

41 100

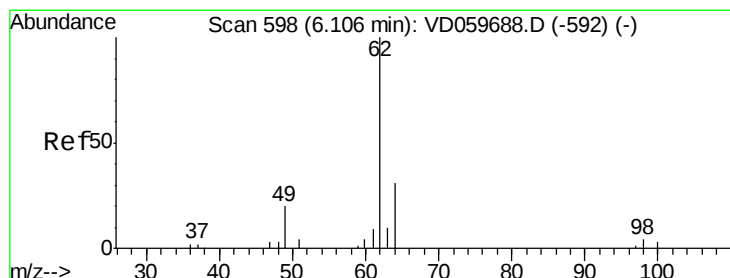
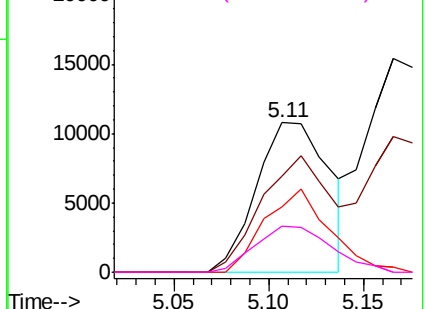
39 64.2 45.8 68.8

67 43.8 43.4 65.2

52 30.9 24.6 37.0



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



#42

1,2-Dichloroethane

Concen: 60.725 ug/l

RT: 6.12 min Scan# 599

Delta R.T. 0.01 min

Lab File: VD059717.D

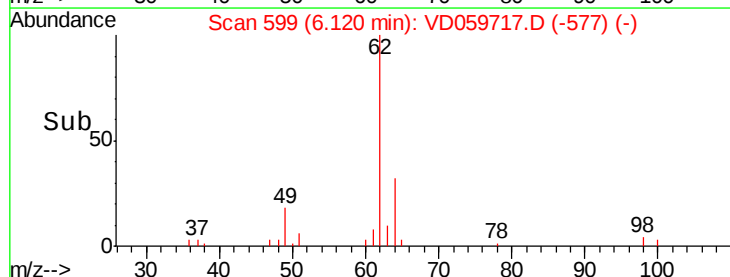
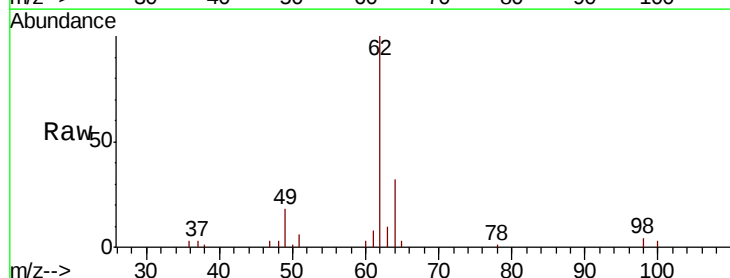
Acq: 9 Aug 2018 14:51

Tgt Ion: 62 Resp: 181566

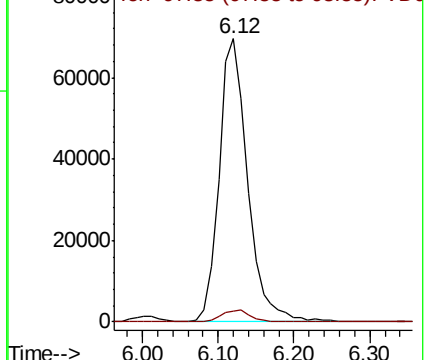
Ion Ratio Lower Upper

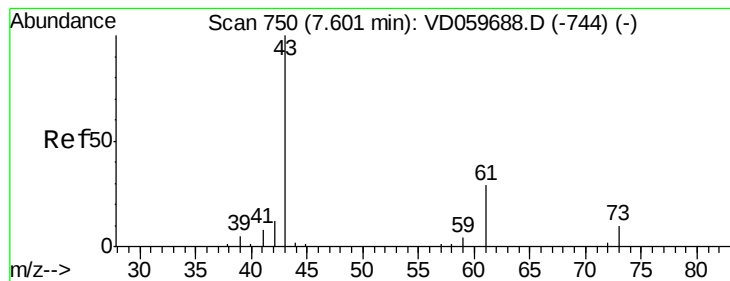
62 100

98 3.6 0.0 8.8



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





#43

Isopropyl Acetate

Concen: 51.063 ug/l

RT: 7.61 min Scan# 750

Delta R.T. 0.00 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Instrument :

MSVOA_D

ClientSampleId :

BFB

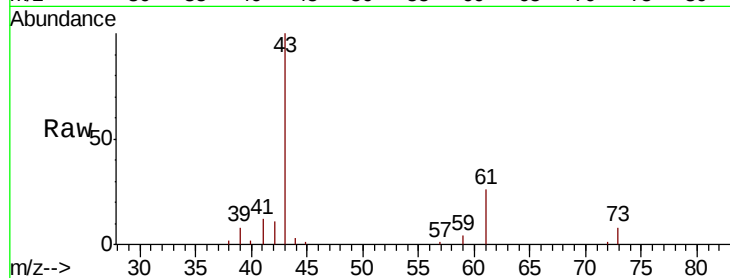
Tgt Ion: 43 Resp: 80812

Ion Ratio Lower Upper

43 100

61 25.6 22.9 34.3

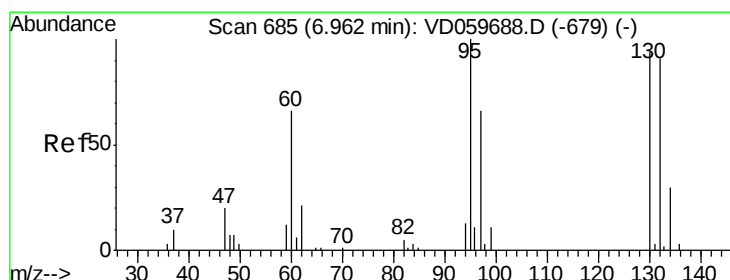
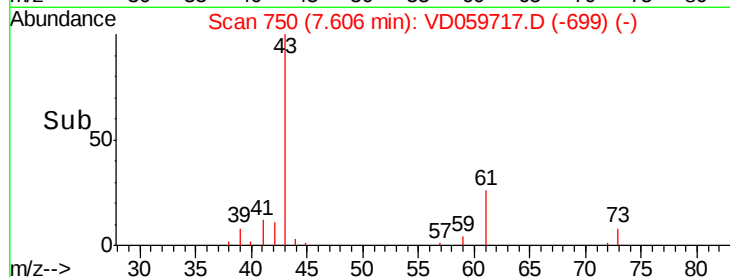
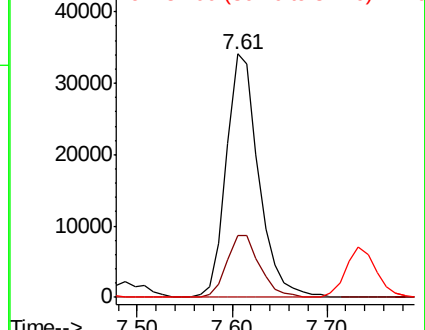
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 51.463 ug/l

RT: 6.98 min Scan# 686

Delta R.T. 0.01 min

Lab File: VD059717.D

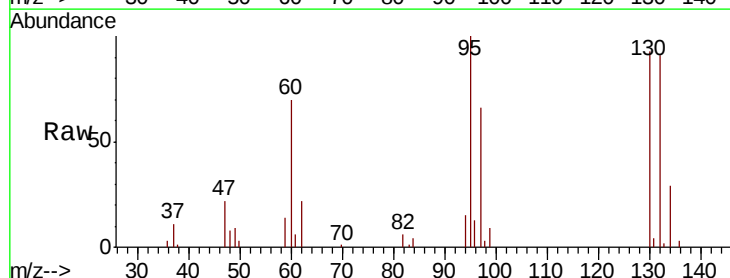
Acq: 9 Aug 2018 14:51

Tgt Ion: 130 Resp: 90934

Ion Ratio Lower Upper

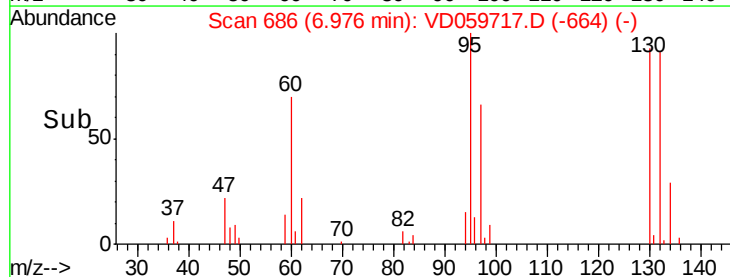
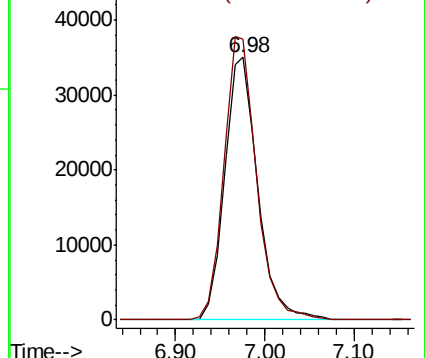
130 100

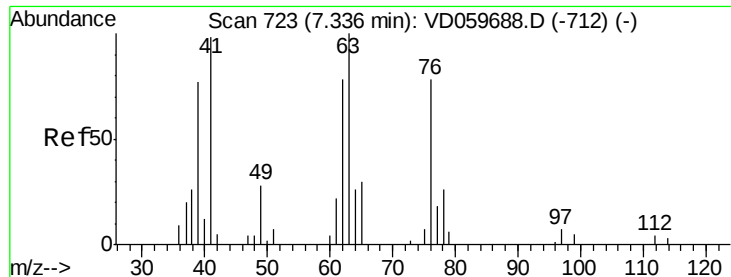
95 107.1 0.0 212.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 47.815 ug/l

RT: 7.34 min Scan# 723

Delta R.T. 0.00 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Instrument :

MSVOA_D

ClientSampled :

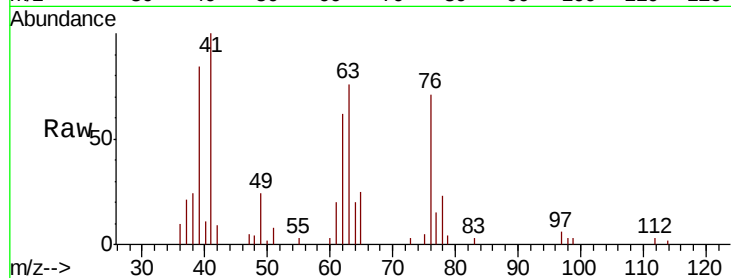
BFB

Tgt Ion: 63 Resp: 61064

Ion Ratio Lower Upper

63 100

65 32.6 24.2 36.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

7.34

25000

20000

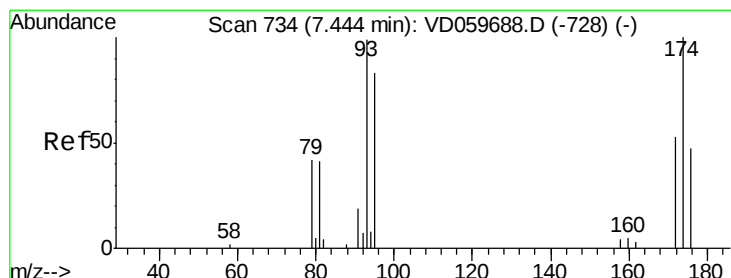
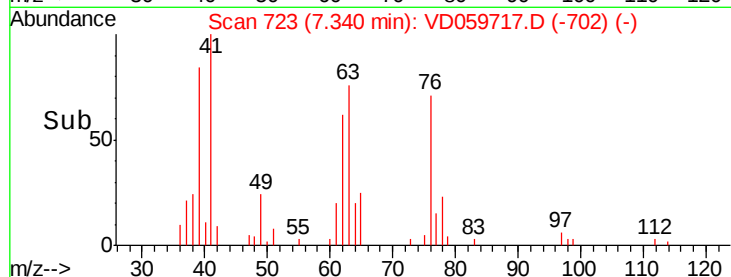
15000

10000

5000

0

Time-->



#46

Dibromomethane

Concen: 53.652 ug/l

RT: 7.46 min Scan# 735

Delta R.T. 0.01 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

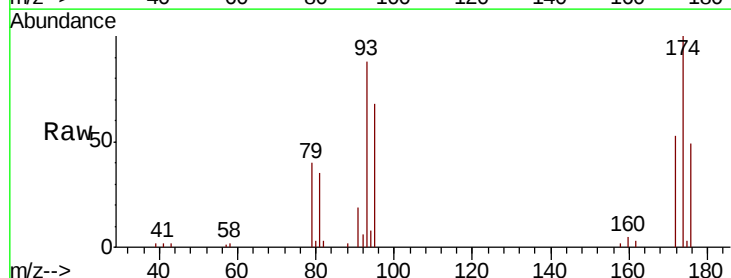
Tgt Ion: 93 Resp: 59376

Ion Ratio Lower Upper

93 100

95 76.4 66.6 100.0

174 113.0 80.6 120.8



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

40000

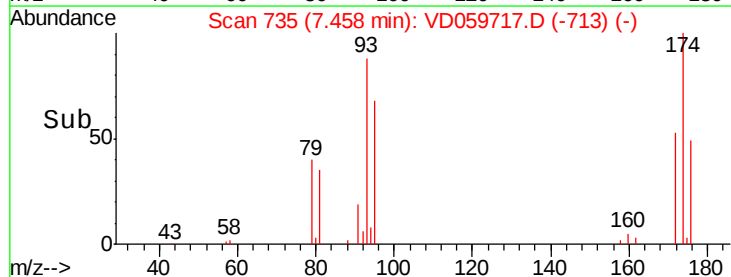
30000

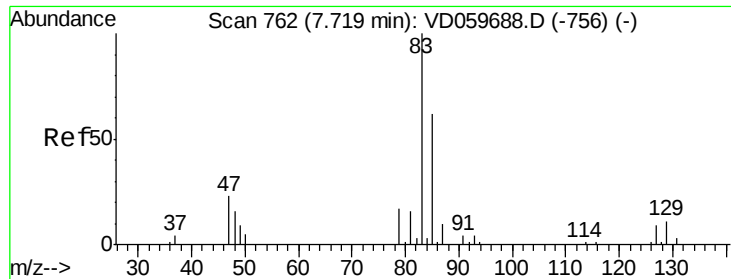
20000

10000

0

Time-->





#47

Bromodichloromethane

Concen: 55.242 ug/l

RT: 7.73 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Instrument :

MSVOA_D

ClientSampleId :

BFB

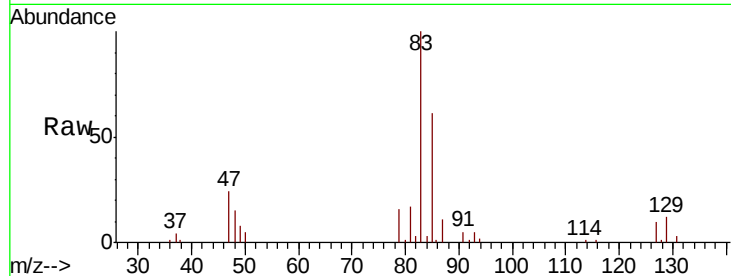
Tgt Ion: 83 Resp: 155714

Ion Ratio Lower Upper

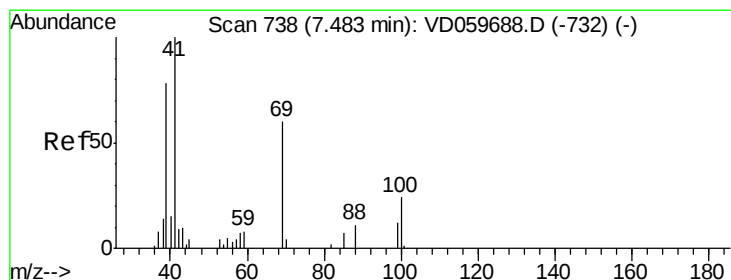
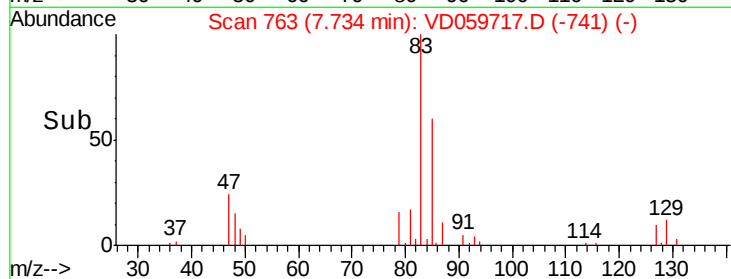
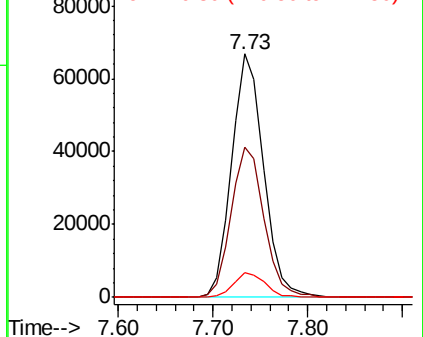
83 100

85 61.5 49.8 74.8

127 9.9 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: 55.535 ug/l

RT: 7.50 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

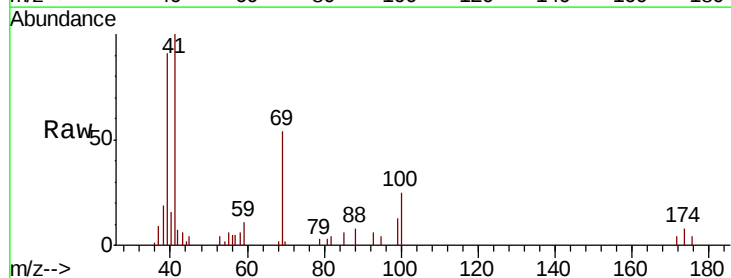
Tgt Ion: 41 Resp: 58011

Ion Ratio Lower Upper

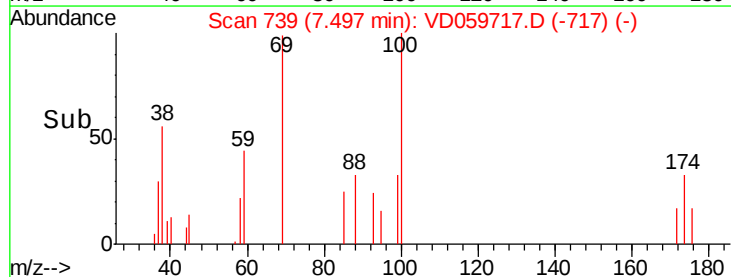
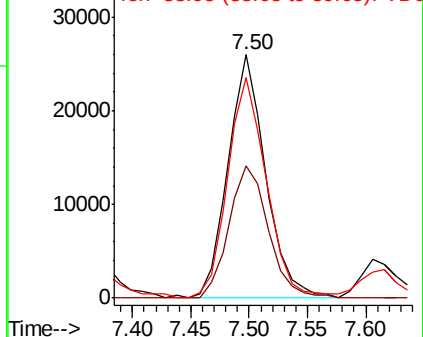
41 100

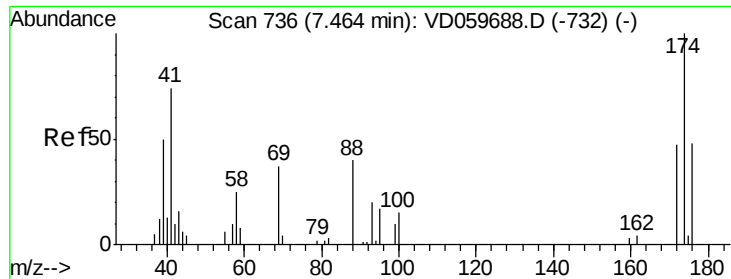
69 54.4 47.3 70.9

39 90.8 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

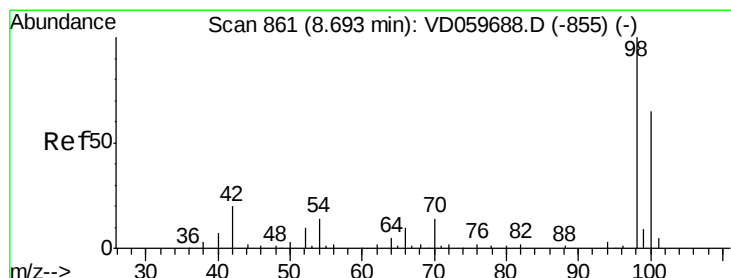
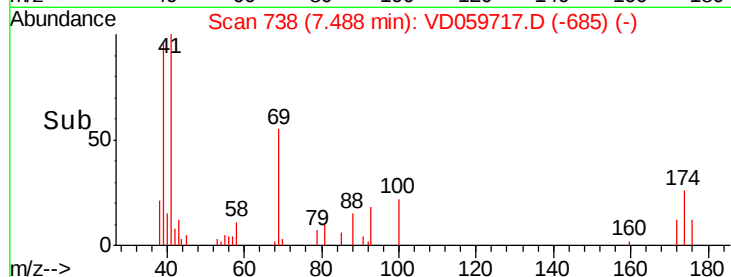
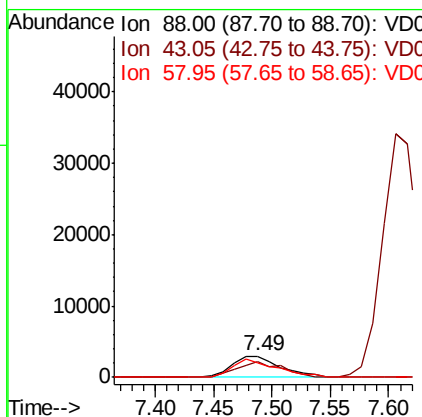
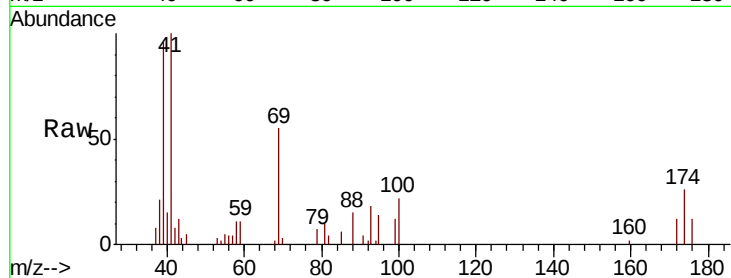




#49
 1,4-Dioxane
 Concen: 932.129 ug/l
 RT: 7.49 min Scan# 738
 Delta R.T. 0.02 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

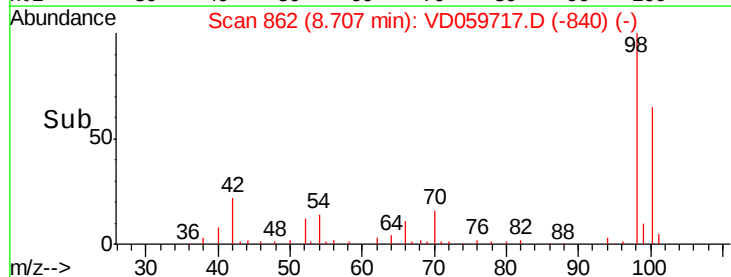
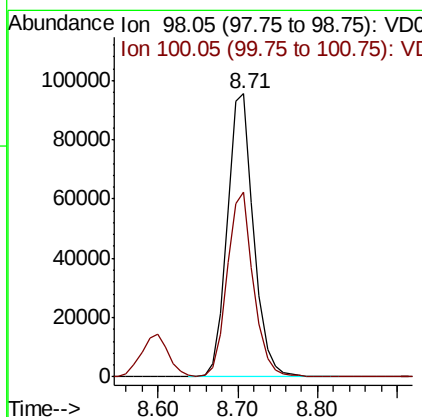
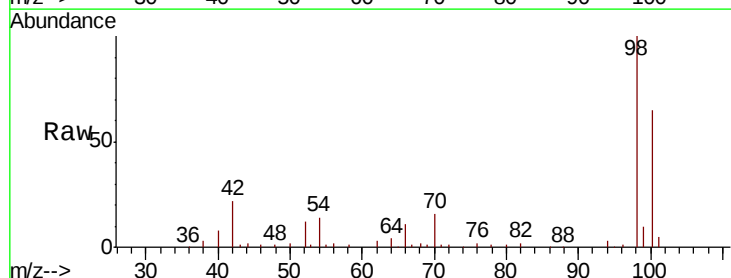
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

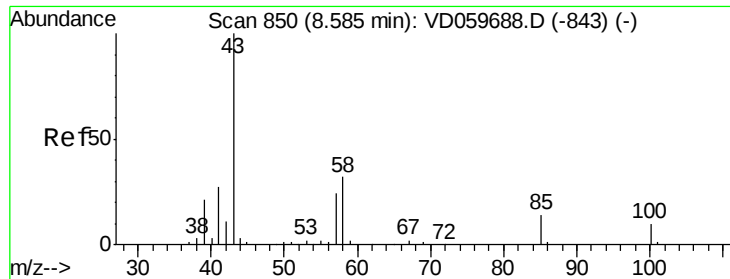
Tgt Ion: 88 Resp: 8466
 Ion Ratio Lower Upper
 88 100
 43 75.6 32.2 48.2#
 58 71.1 51.5 77.3



#50
 Toluene-d8
 Concen: 932.129 ug/l
 RT: 8.71 min Scan# 862
 Delta R.T. 0.01 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

Tgt Ion: 98 Resp: 221062
 Ion Ratio Lower Upper
 98 100
 100 65.2 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 287.287 ug/l

RT: 8.59 min Scan# 850

Delta R.T. 0.00 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Instrument :

MSVOA_D

ClientSampled :

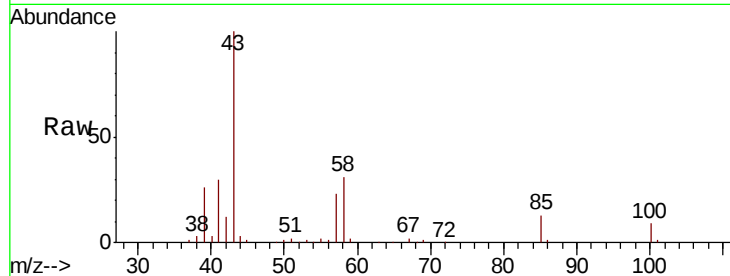
BFB

Tgt Ion: 43 Resp: 331575

Ion Ratio Lower Upper

43 100

58 30.9 25.7 38.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.59

150000

100000

50000

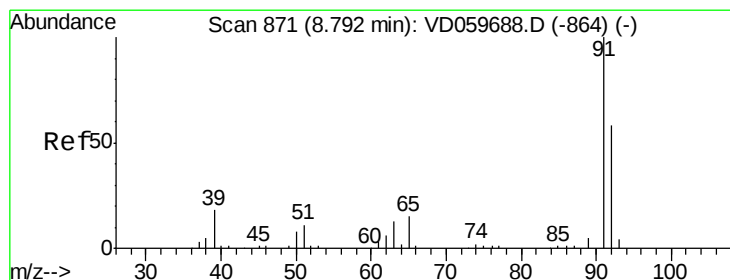
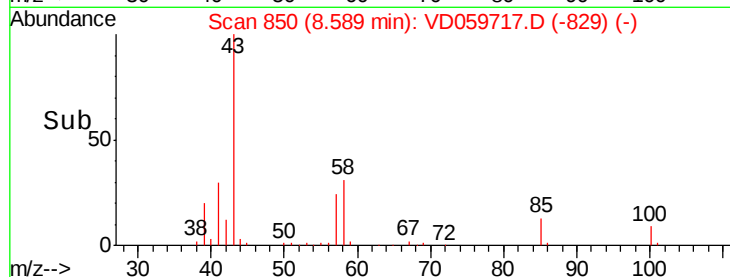
0

Time-->

8.50

8.60

8.70



#52

Toluene

Concen: 48.854 ug/l

RT: 8.80 min Scan# 871

Delta R.T. 0.00 min

Lab File: VD059717.D

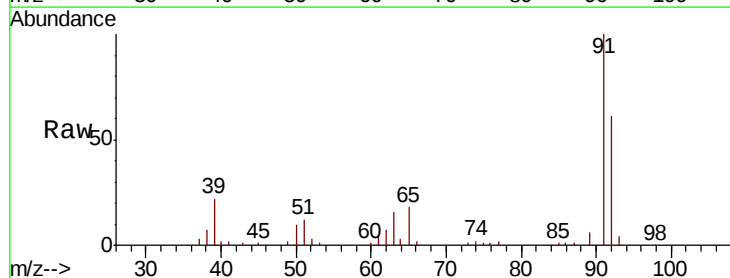
Acq: 9 Aug 2018 14:51

Tgt Ion: 92 Resp: 150722

Ion Ratio Lower Upper

92 100

91 162.8 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.80

120000

100000

80000

60000

40000

20000

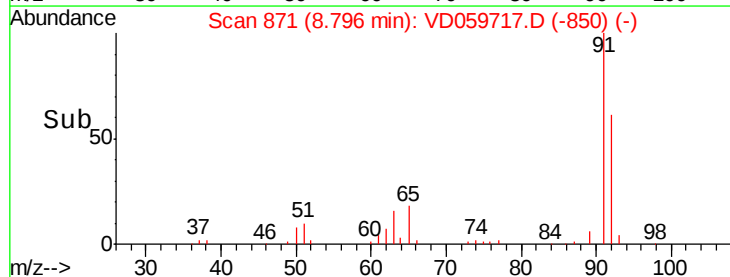
0

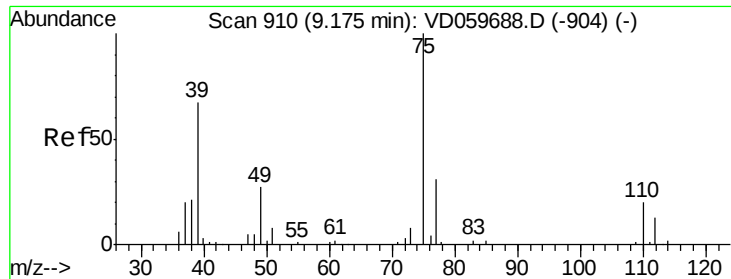
Time-->

8.70

8.80

8.90

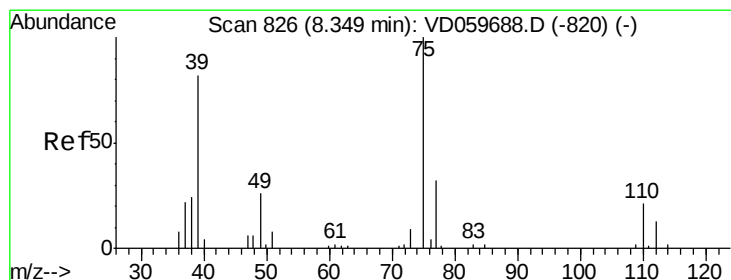
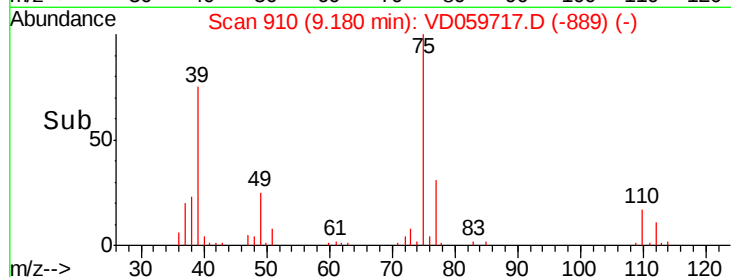
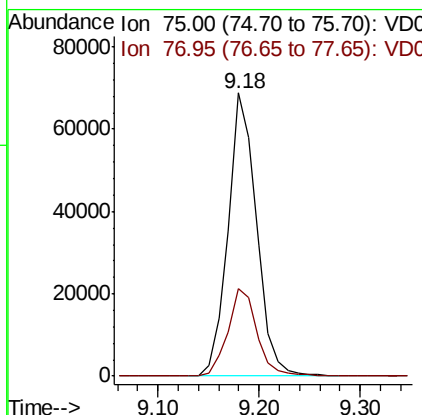
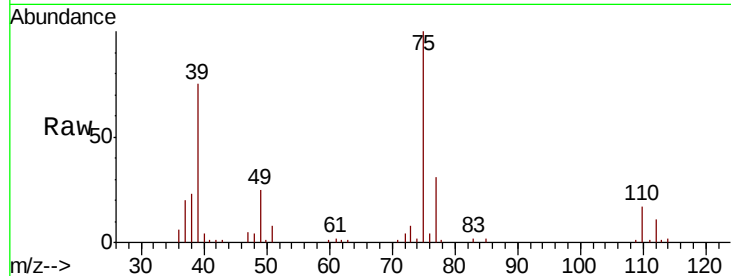




#53
 t-1,3-Dichloropropene
 Concen: 56.344 ug/l
 RT: 9.18 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

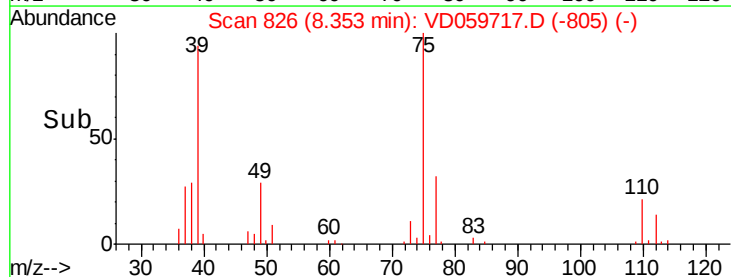
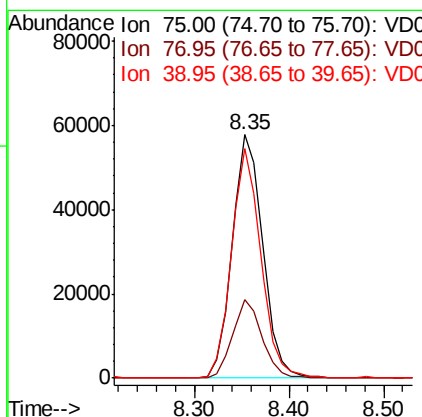
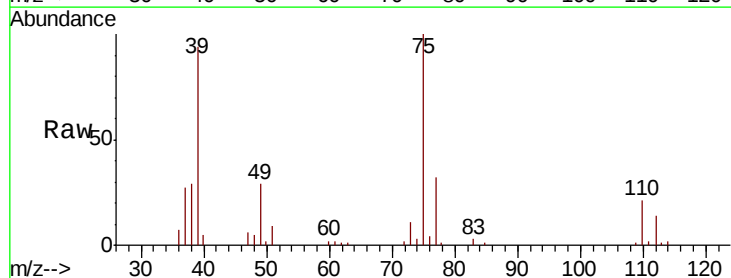
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

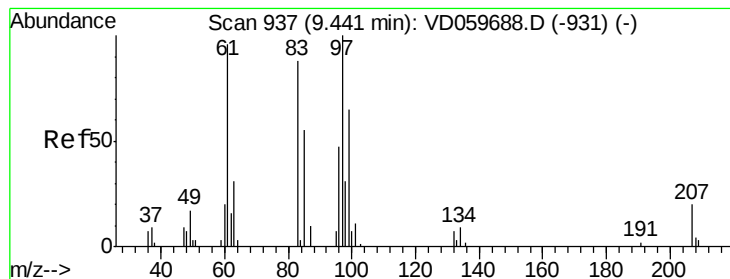
Tgt Ion: 75 Resp: 134368
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 52.401 ug/l
 RT: 8.35 min Scan# 826
 Delta R.T. 0.00 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

Tgt Ion: 75 Resp: 128713
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.5 38.3
 39 94.3 65.4 98.2





#55

1,1,2-Trichloroethane

Concen: 46.746 ug/l

RT: 9.45 min Scan# 937

Delta R.T. 0.00 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Instrument :

MSVOA_D

ClientSampleId :

BFB

Tgt Ion: 97 Resp: 55393

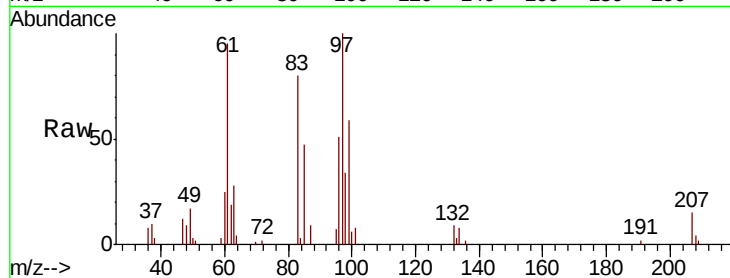
Ion Ratio Lower Upper

97 100

83 80.3 70.8 106.2

85 47.4 44.1 66.1

99 59.4 52.2 78.4

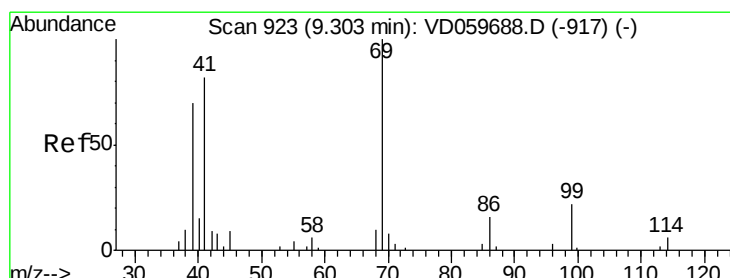
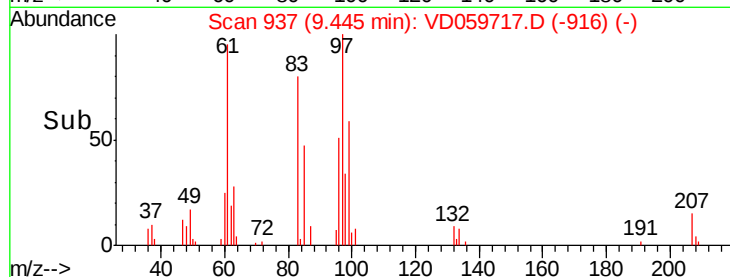
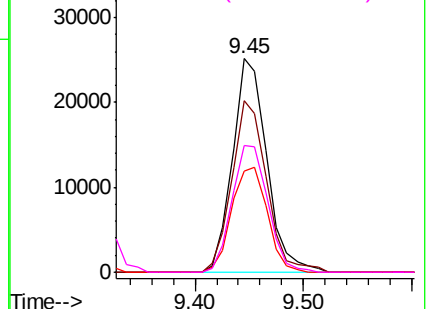


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 54.190 ug/l

RT: 9.31 min Scan# 923

Delta R.T. 0.00 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

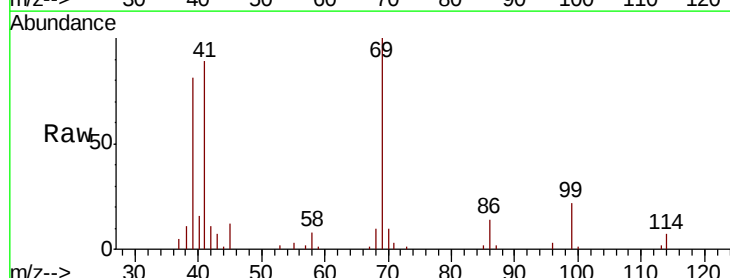
Tgt Ion: 69 Resp: 70851

Ion Ratio Lower Upper

69 100

41 89.1 65.7 98.5

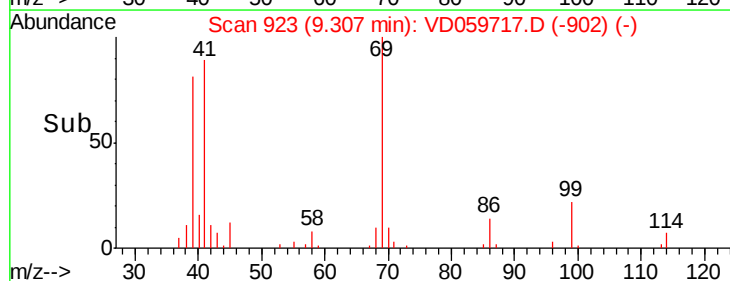
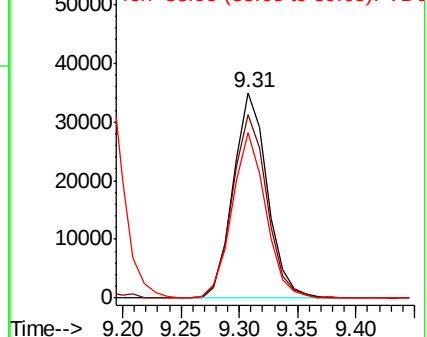
39 80.6 55.8 83.8

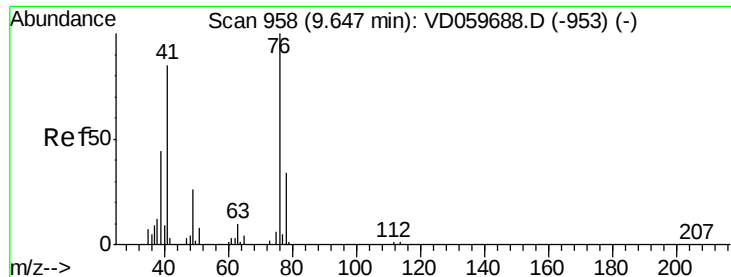


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 51.943 ug/l

RT: 9.66 min Scan# 959

Delta R.T. 0.01 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Instrument :

MSVOA_D

ClientSampleId :

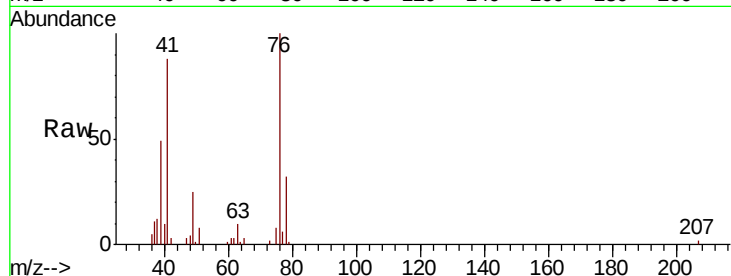
BFB

Tgt Ion: 76 Resp: 95511

Ion Ratio Lower Upper

76 100

78 31.7 27.5 41.3



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

9.66

50000

40000

30000

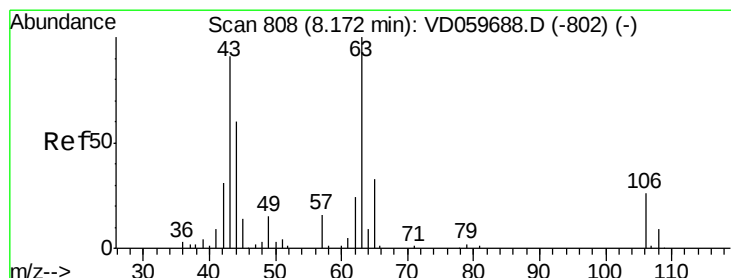
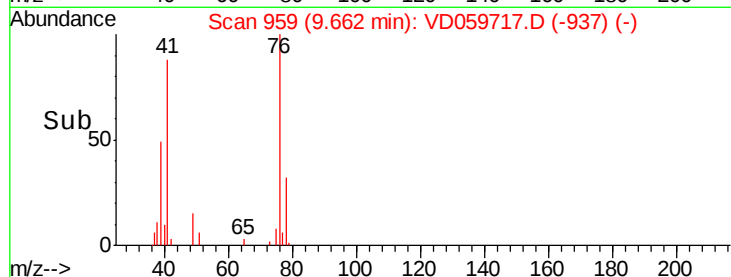
20000

10000

0

9.60 9.70

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 254.668 ug/l

RT: 8.19 min Scan# 809

Delta R.T. 0.01 min

Lab File: VD059717.D

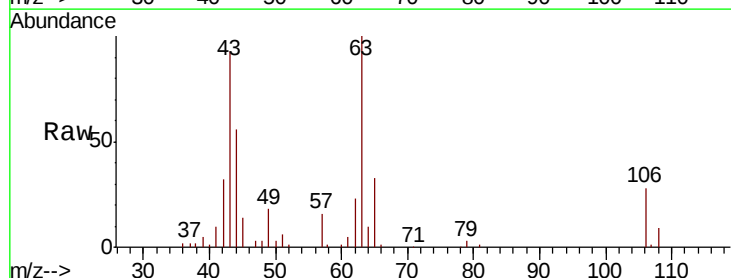
Acq: 9 Aug 2018 14:51

Tgt Ion: 63 Resp: 158630

Ion Ratio Lower Upper

63 100

106 27.9 20.7 31.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

8.19

80000

60000

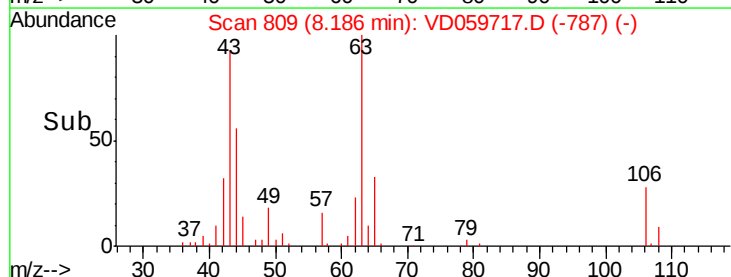
40000

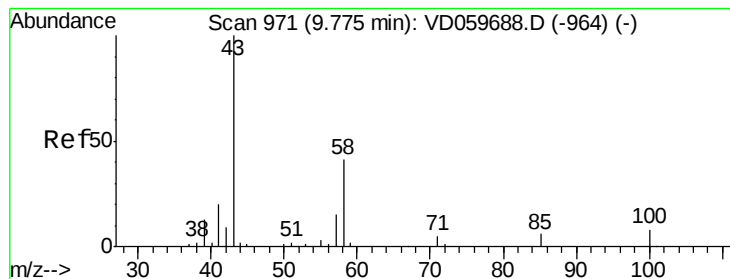
20000

0

8.10 8.20 8.30

Time-->





#59

2-Hexanone

Concen: 291.759 ug/l

RT: 9.78 min Scan# 971

Delta R.T. 0.00 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Instrument :

MSVOA_D

ClientSampleId :

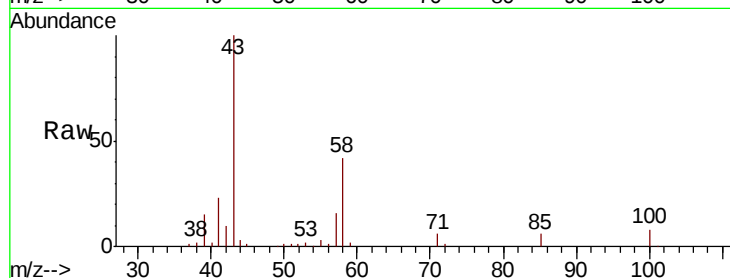
BFB

Tgt Ion: 43 Resp: 252866

Ion Ratio Lower Upper

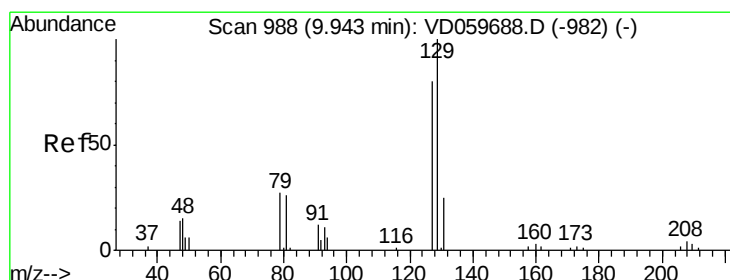
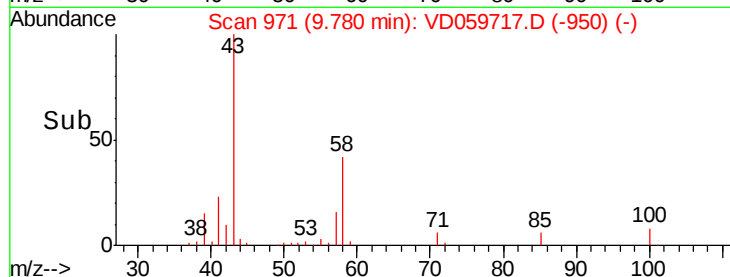
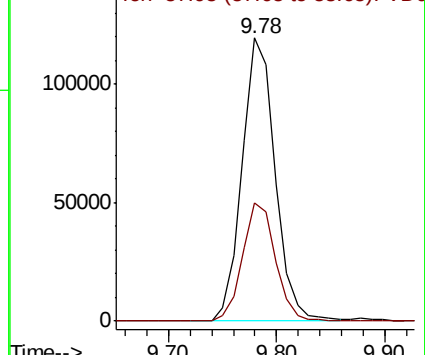
43 100

58 41.6 20.4 61.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 59.796 ug/l

RT: 9.96 min Scan# 989

Delta R.T. 0.01 min

Lab File: VD059717.D

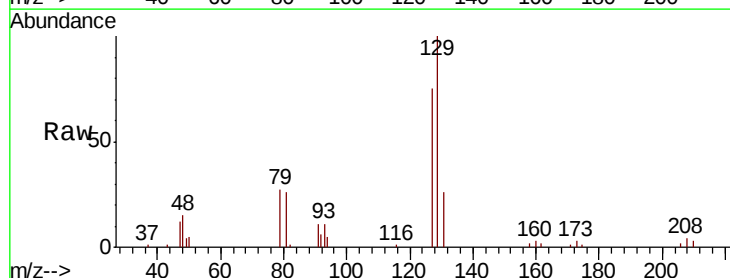
Acq: 9 Aug 2018 14:51

Tgt Ion: 129 Resp: 112602

Ion Ratio Lower Upper

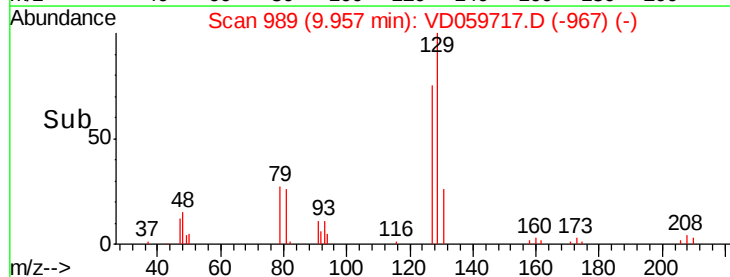
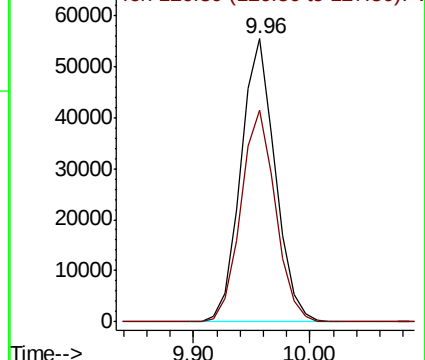
129 100

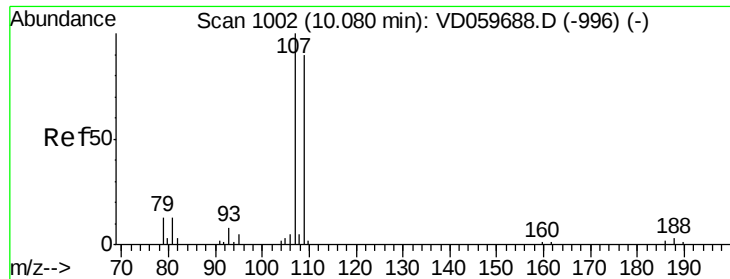
127 74.9 40.0 119.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

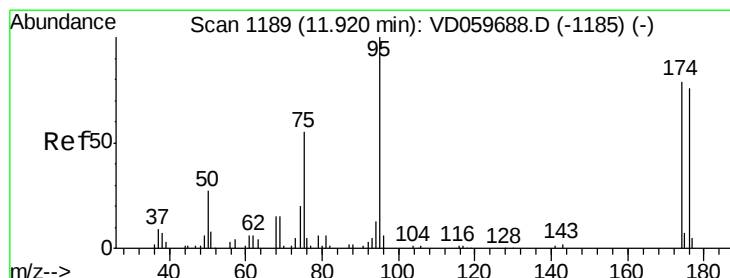
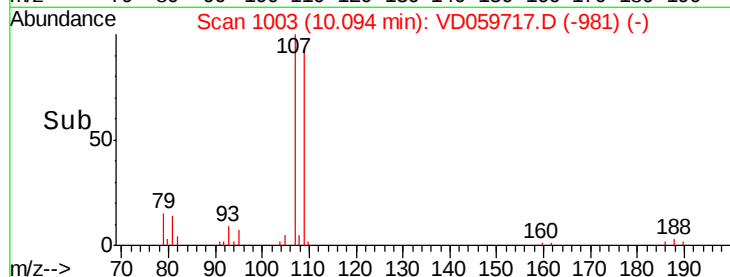
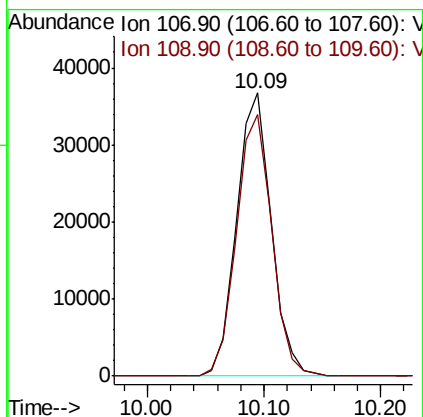
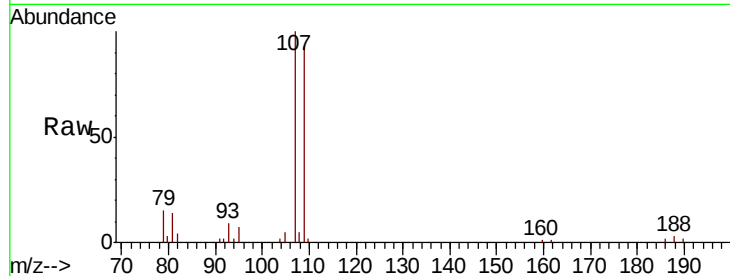




#61
 1,2-Dibromoethane
 Concen: 55.374 ug/l
 RT: 10.09 min Scan# 1003
 Delta R.T. 0.01 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

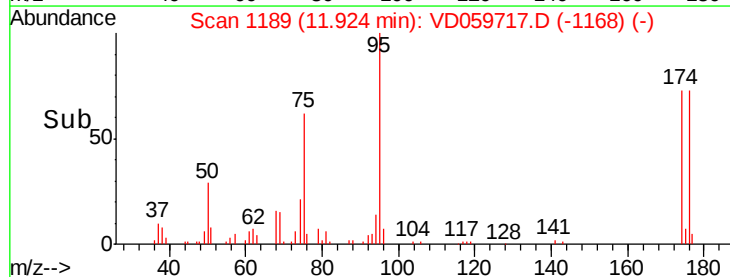
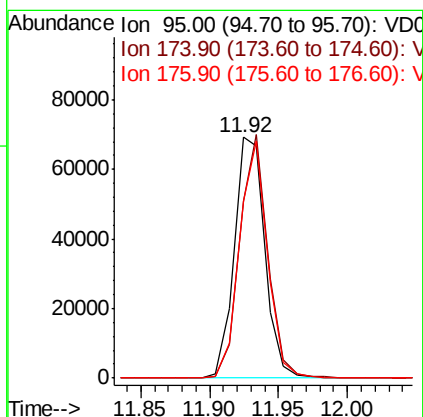
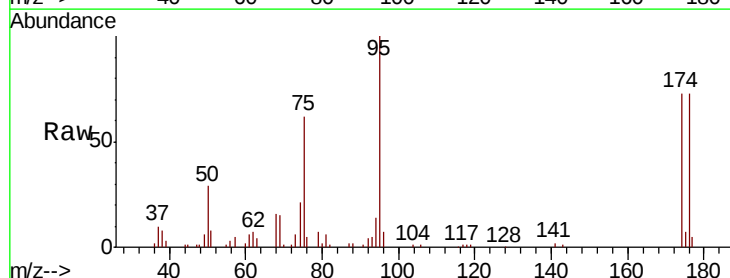
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

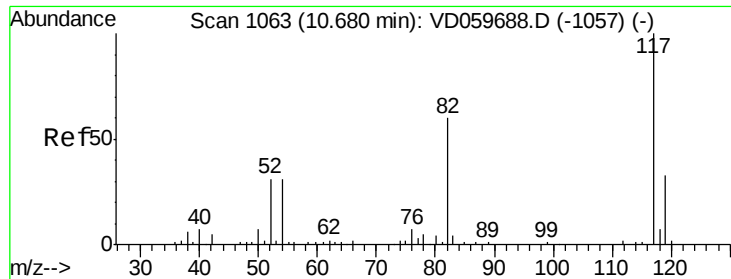
Tgt Ion:107 Resp: 75450
 Ion Ratio Lower Upper
 107 100
 109 92.6 72.0 108.0



#62
 4-Bromofluorobenzene
 Concen: 55.374 ug/l
 RT: 11.92 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

Tgt Ion: 95 Resp: 106849
 Ion Ratio Lower Upper
 95 100
 174 73.3 0.0 158.4
 176 73.3 0.0 153.0

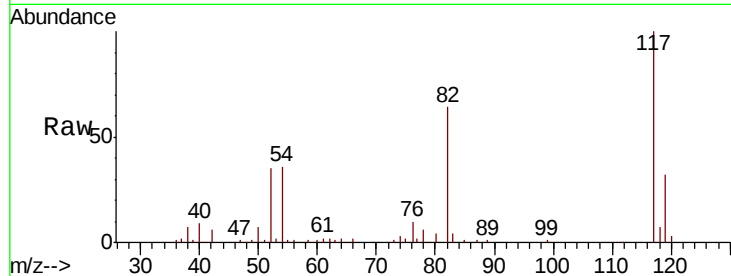




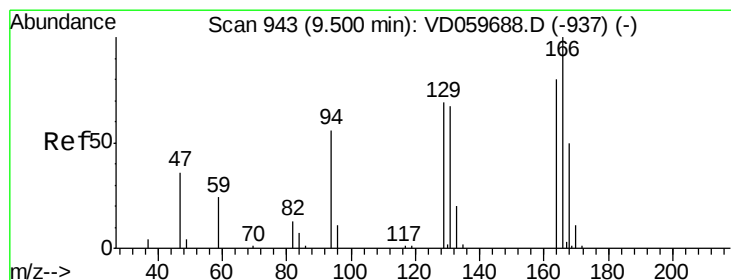
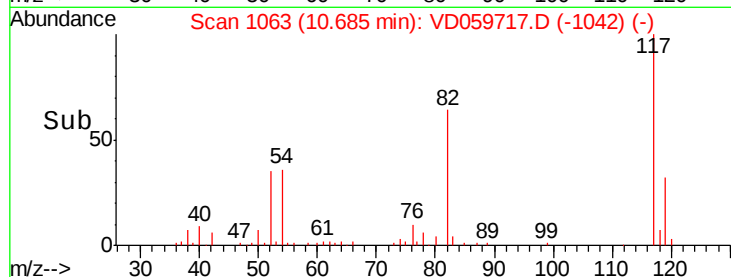
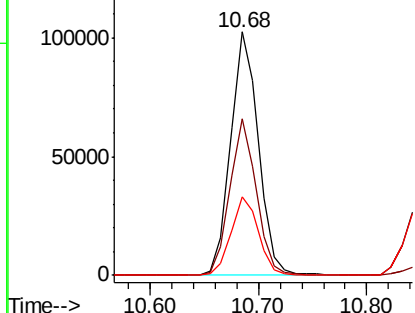
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Instrument :
MSVOA_D
ClientSampled :
BFB

Tgt Ion:117 Resp: 182039
Ion Ratio Lower Upper
117 100
82 64.1 47.7 71.5
119 32.4 26.6 40.0

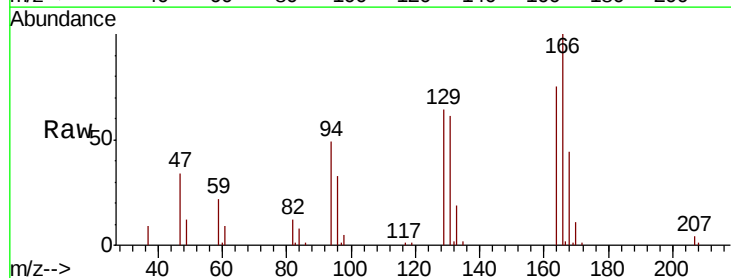


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

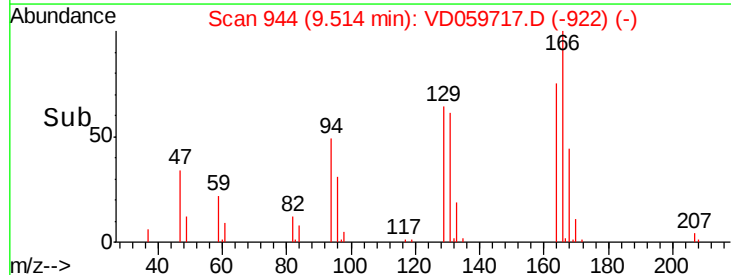
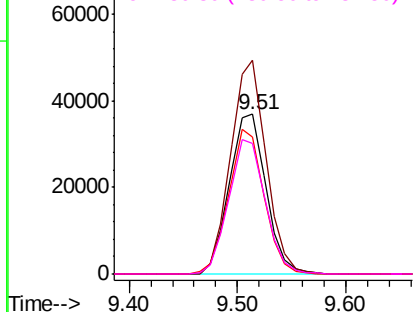


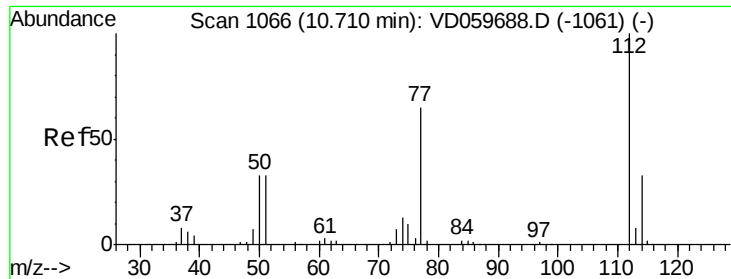
#64
Tetrachloroethene
Concen: 50.395 ug/l
RT: 9.51 min Scan# 944
Delta R.T. 0.01 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Tgt Ion:164 Resp: 86862
Ion Ratio Lower Upper
164 100
166 133.8 100.5 150.7
129 85.6 69.3 103.9
131 81.7 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

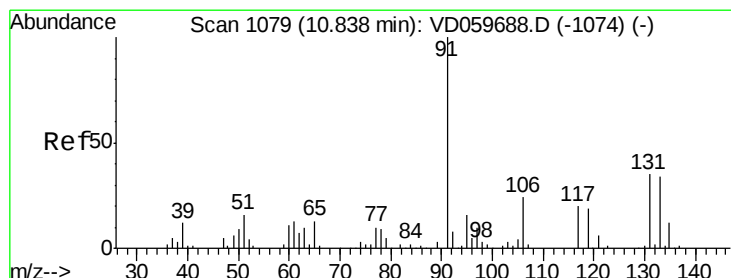
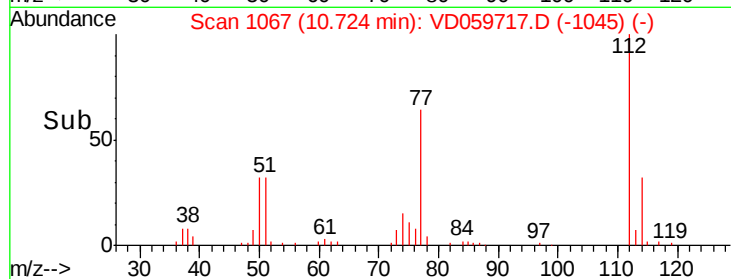
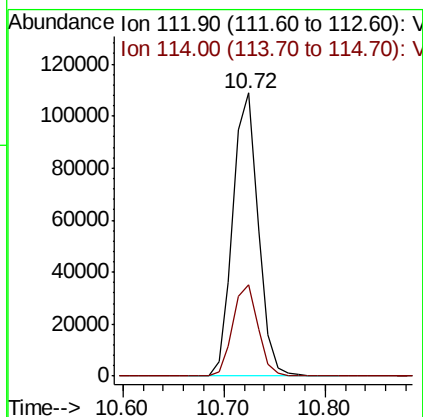
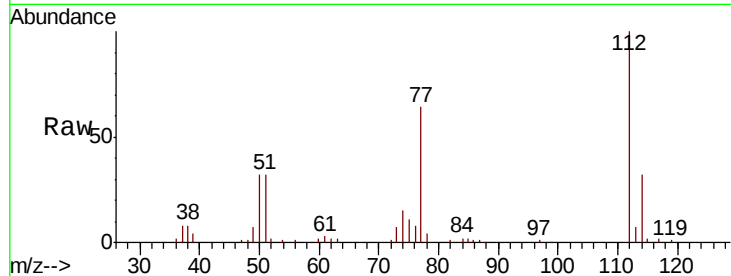




#65
Chlorobenzene
Concen: 49.751 ug/l
RT: 10.72 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

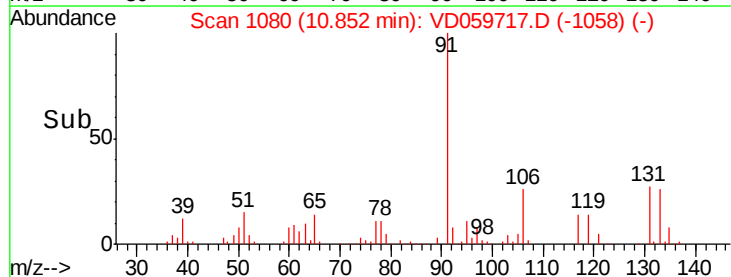
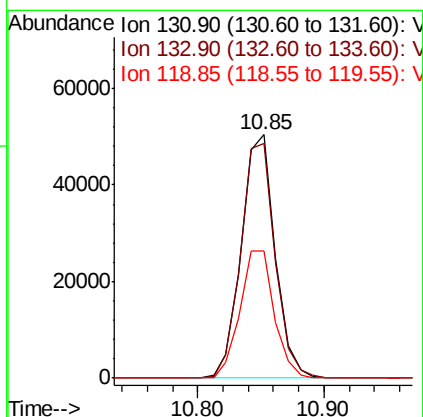
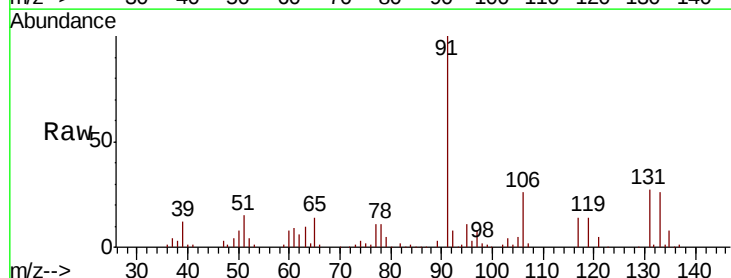
Instrument :
MSVOA_D
ClientSampleId :
BFB

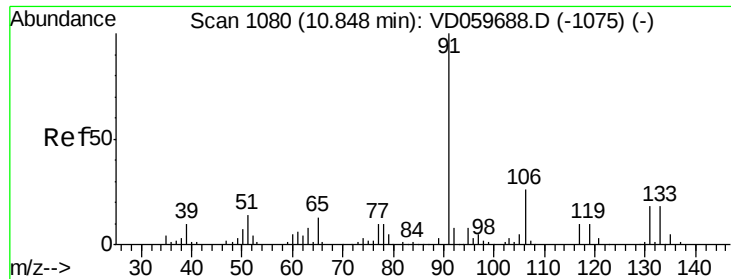
Tgt Ion:112 Resp: 190848
Ion Ratio Lower Upper
112 100
114 32.5 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 55.365 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Tgt Ion:131 Resp: 93111
Ion Ratio Lower Upper
131 100
133 96.6 49.7 149.1
119 52.5 27.0 80.8

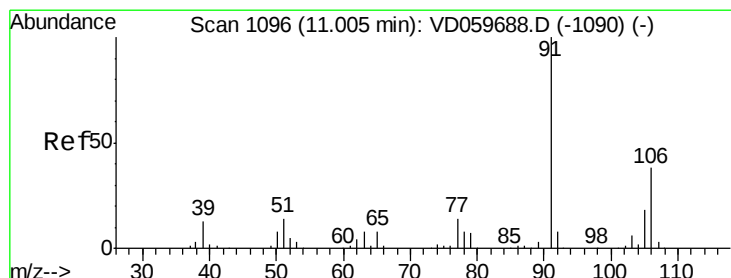
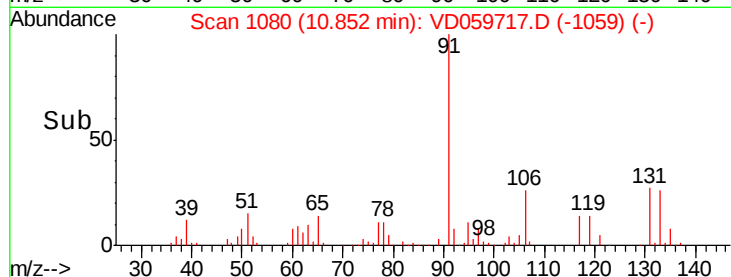
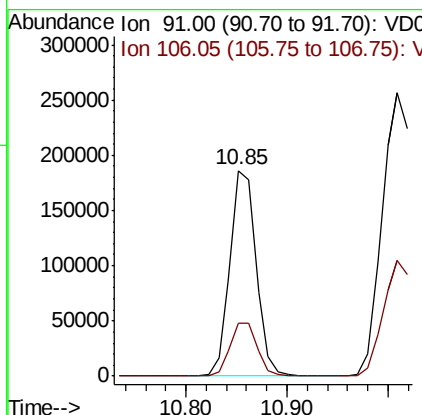
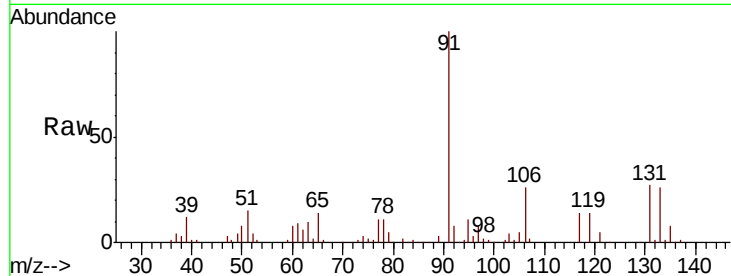




#67
Ethyl Benzene
Concen: 48.604 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

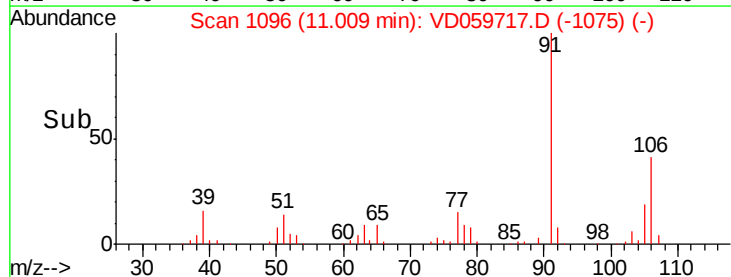
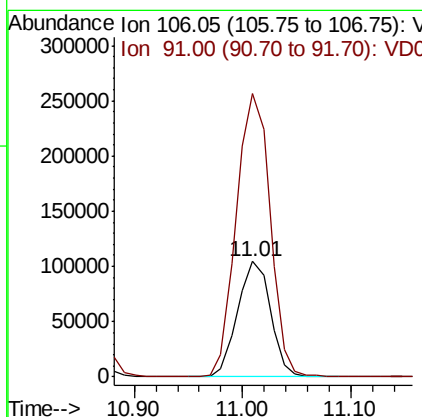
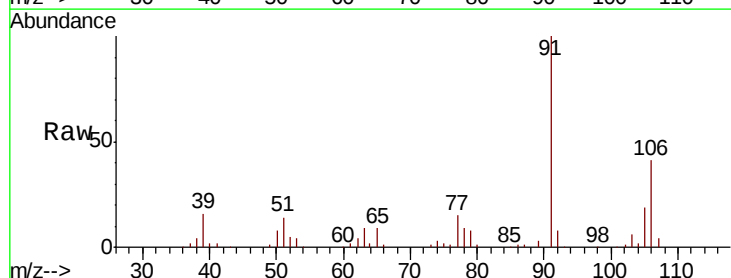
Instrument :
MSVOA_D
ClientSampled :
BFB

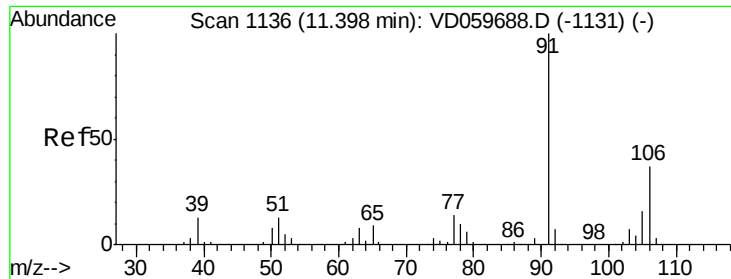
Tgt Ion: 91 Resp: 335788
Ion Ratio Lower Upper
91 100
106 25.5 20.9 31.3



#68
m/p-Xylenes
Concen: 101.009 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Tgt Ion: 106 Resp: 223237
Ion Ratio Lower Upper
106 100
91 244.9 209.7 314.5

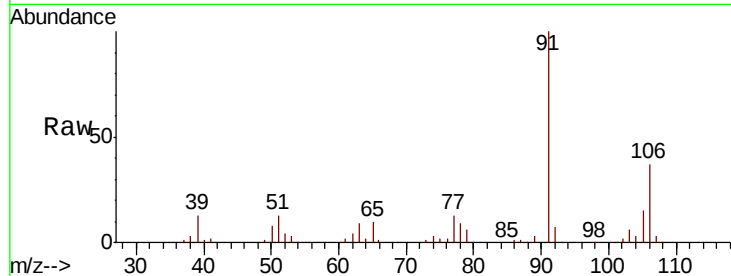




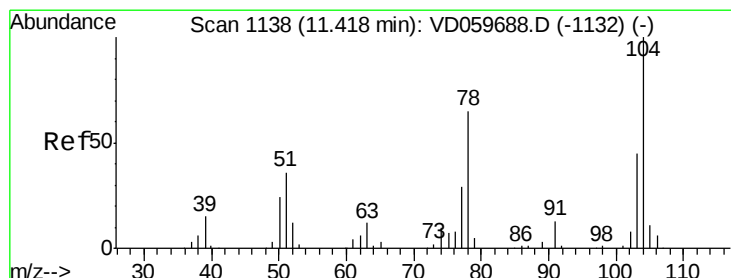
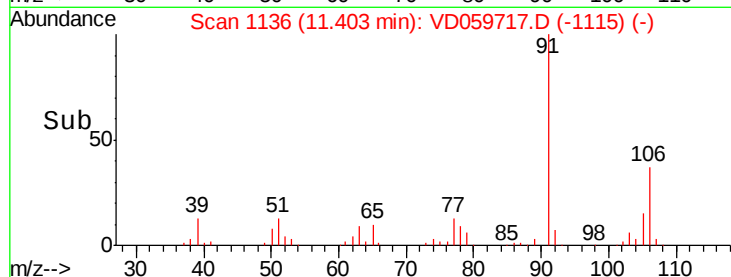
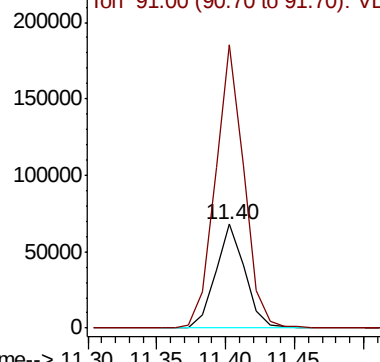
#69
o-Xylene
Concen: 46.484 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Instrument :
MSVOA_D
ClientSampled :
BFB

Tgt Ion:106 Resp: 99872
Ion Ratio Lower Upper
106 100
91 271.9 135.2 405.6

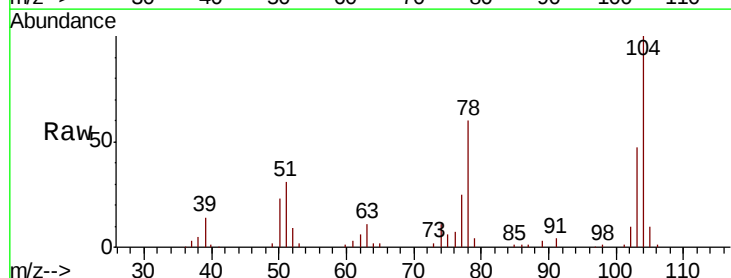


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

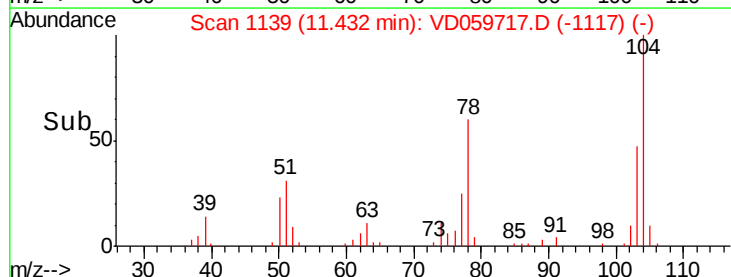
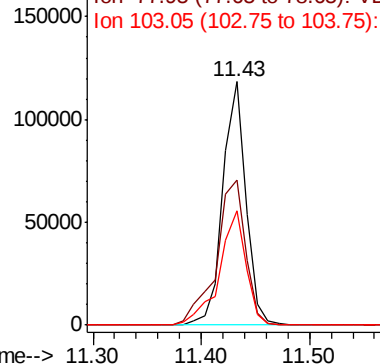


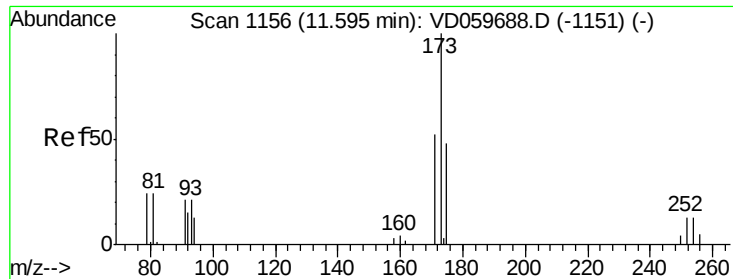
#70
Styrene
Concen: 48.826 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. 0.01 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Tgt Ion:104 Resp: 176087
Ion Ratio Lower Upper
104 100
78 59.6 51.9 77.9
103 47.1 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

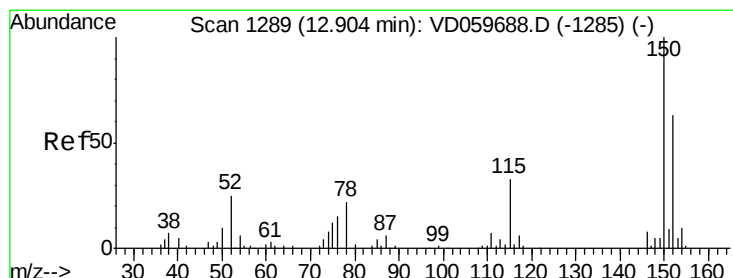
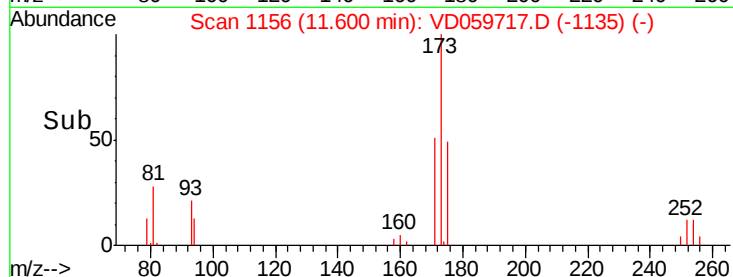
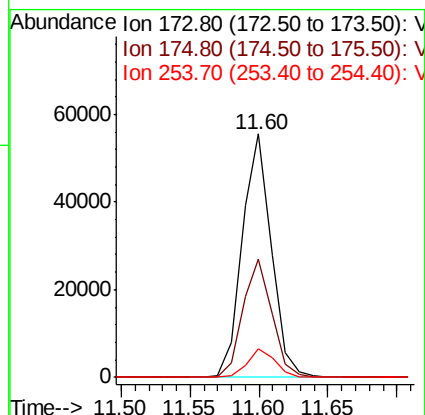
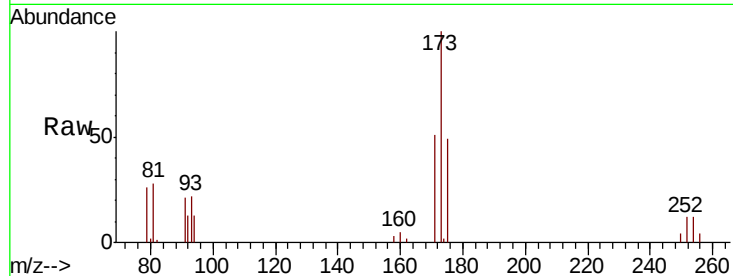




#71
Bromoform
Concen: 64.422 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. 0.00 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

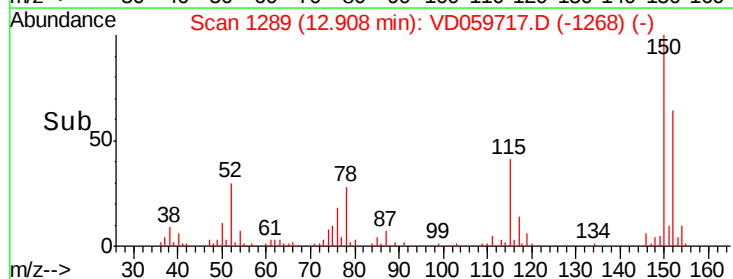
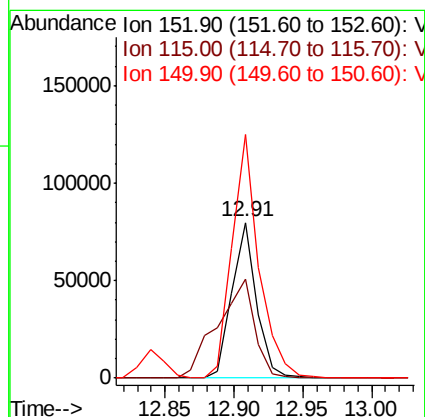
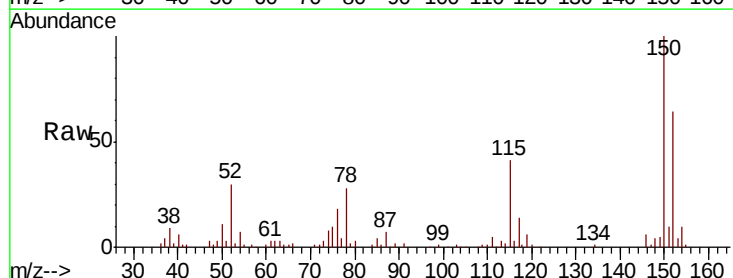
Instrument :
MSVOA_D
ClientSampleId :
BFB

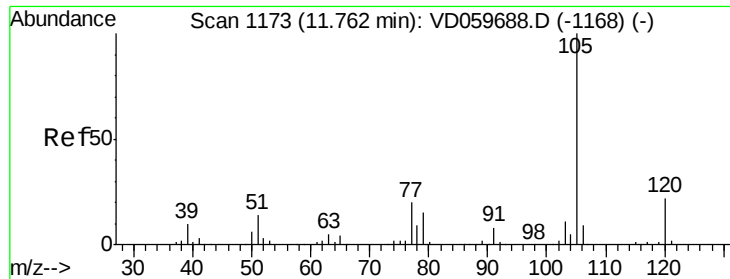
Tgt Ion:173 Resp: 81625
Ion Ratio Lower Upper
173 100
175 48.7 24.1 72.4
254 11.5 10.6 16.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Tgt Ion:152 Resp: 98566
Ion Ratio Lower Upper
152 100
115 63.9 28.8 86.4
150 156.7 0.0 318.0





#73

Isopropylbenzene

Concen: 53.334 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Instrument :

MSVOA_D

ClientSampleId :

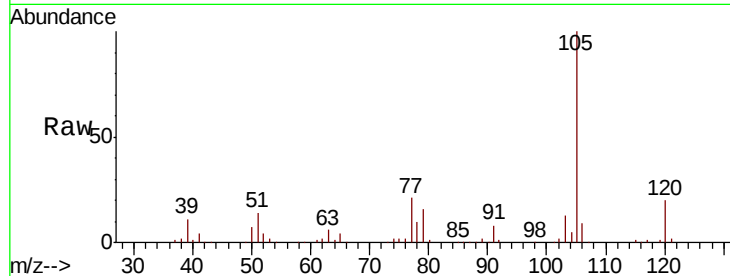
BFB

Tgt Ion: 105 Resp: 353288

Ion Ratio Lower Upper

105 100

120 20.1 10.8 32.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.77

250000

200000

150000

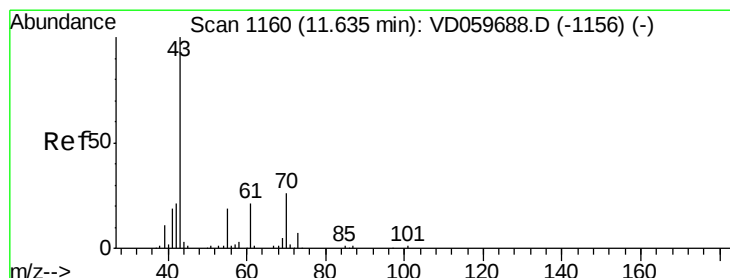
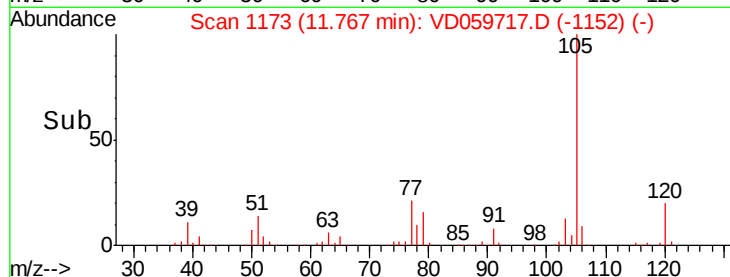
100000

50000

0

Time-->

11.70 11.80 11.90



#74

N-ethyl acetate

Concen: 52.033 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Tgt Ion: 43 Resp: 110268

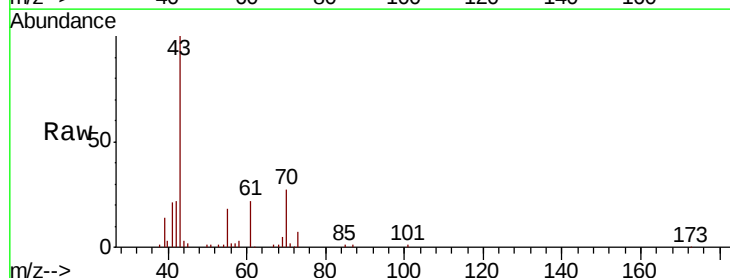
Ion Ratio Lower Upper

43 100

70 26.9 21.0 31.6

55 18.2 15.4 23.2

61 21.9 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

11.64

100000

80000

60000

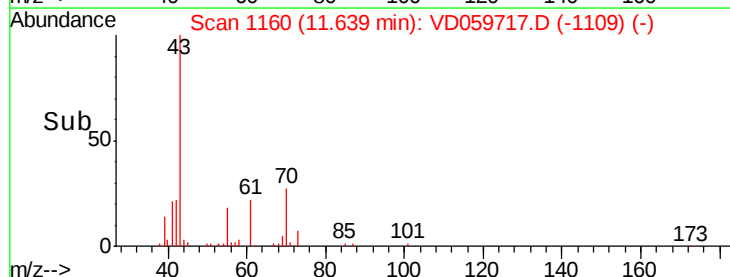
40000

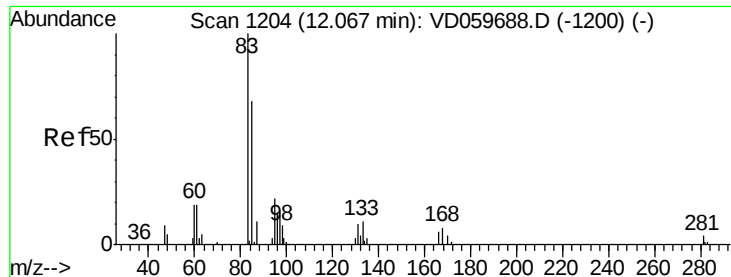
20000

0

Time-->

11.60 11.70





#75

1,1,2,2-Tetrachloroethane

Concen: 47.394 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Instrument :

MSVOA_D

ClientSampled :

BFB

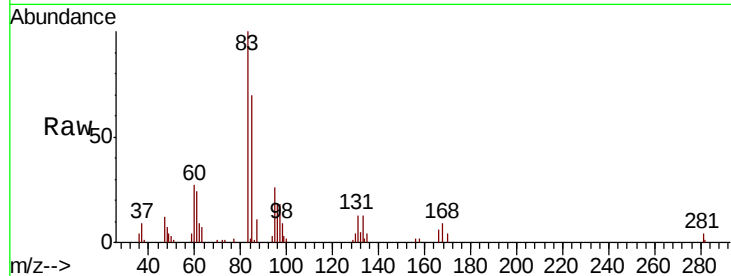
Tgt Ion: 83 Resp: 62997

Ion Ratio Lower Upper

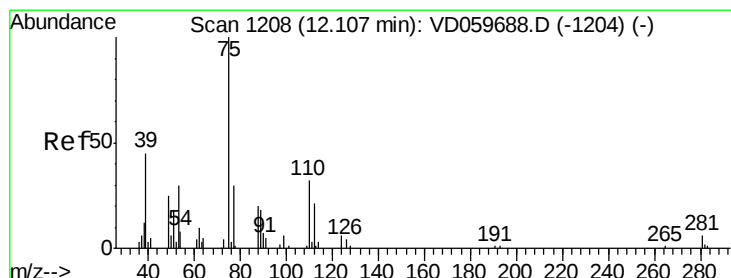
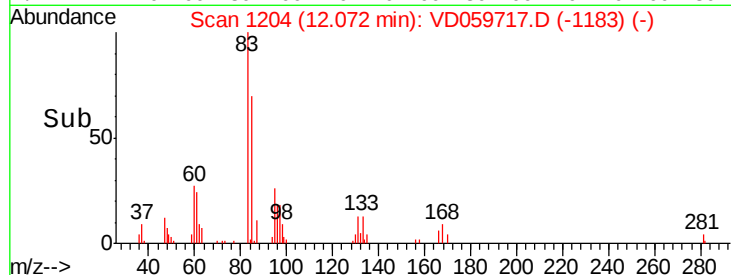
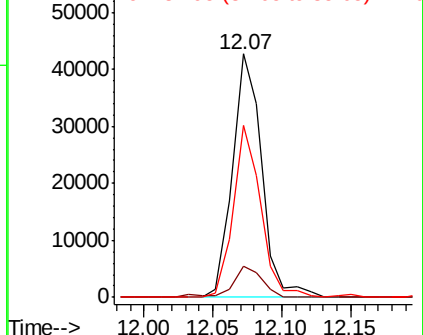
83 100

131 12.5 5.3 15.9

85 70.4 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: 52.427 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VD059717.D

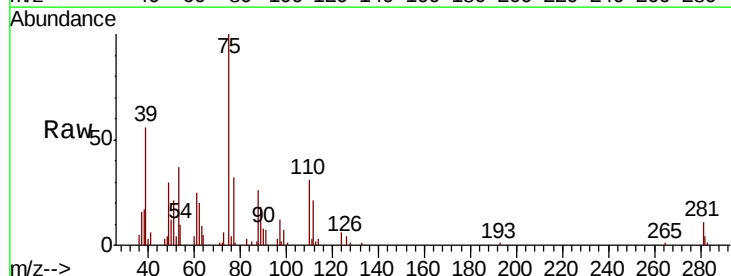
Acq: 9 Aug 2018 14:51

Tgt Ion: 75 Resp: 79883

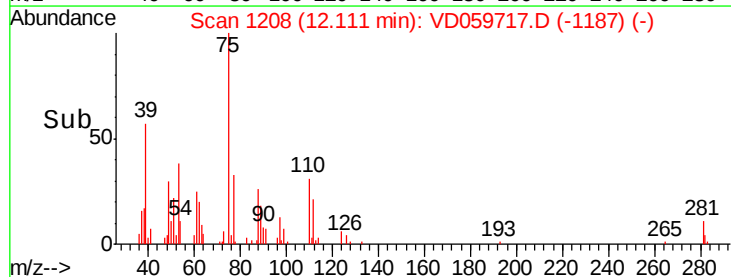
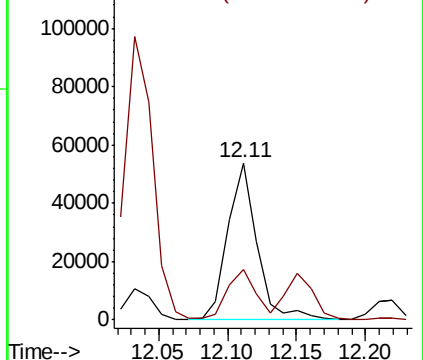
Ion Ratio Lower Upper

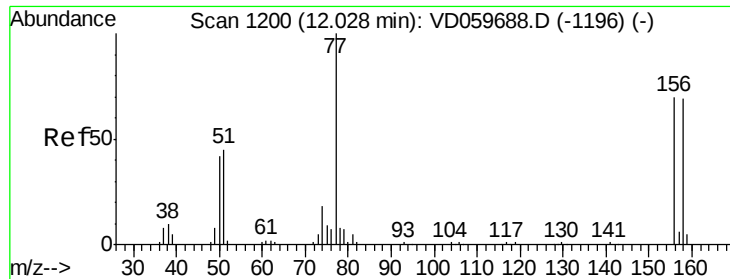
75 100

77 32.2 15.5 46.5



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

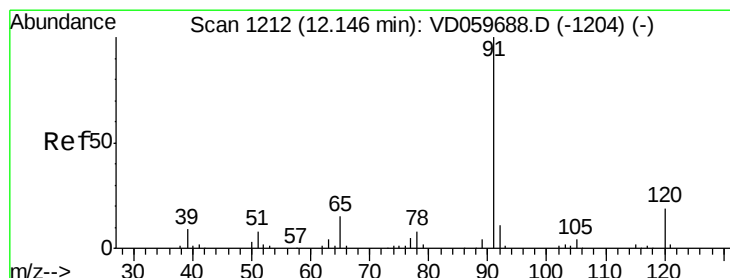
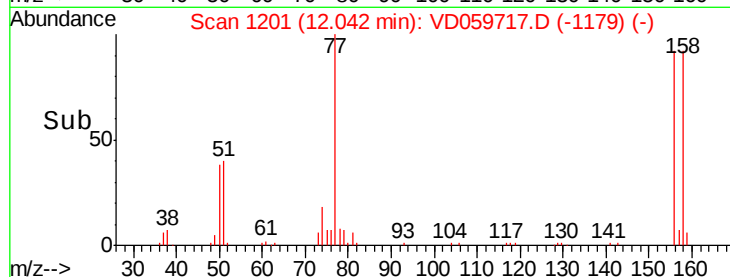
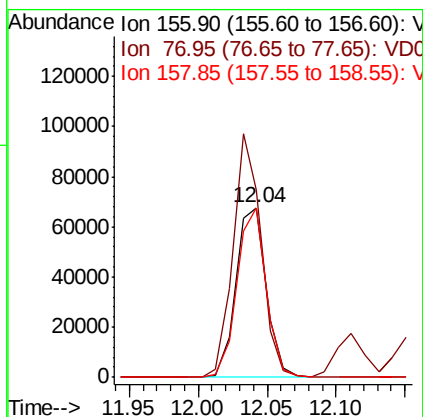
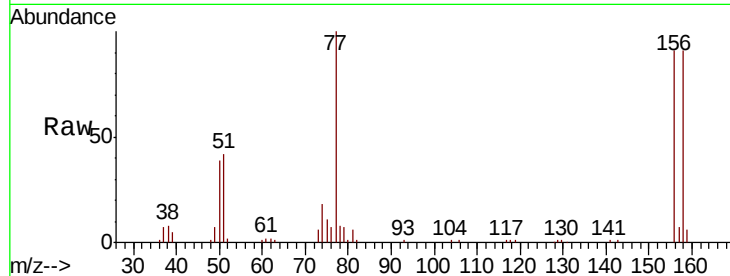




#77
Bromobenzene
Concen: 53.528 ug/l
RT: 12.04 min Scan# 1201
Delta R.T. 0.01 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

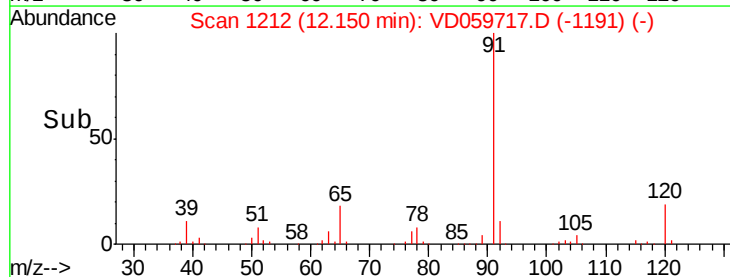
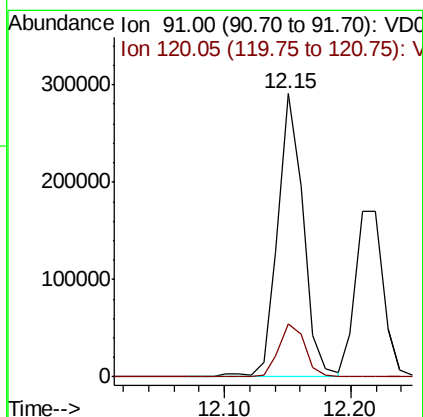
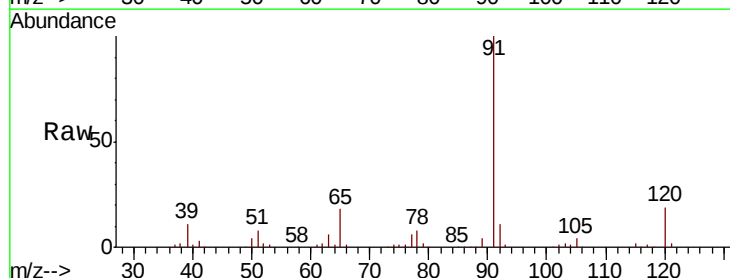
Instrument :
MSVOA_D
ClientSampleId :
BFB

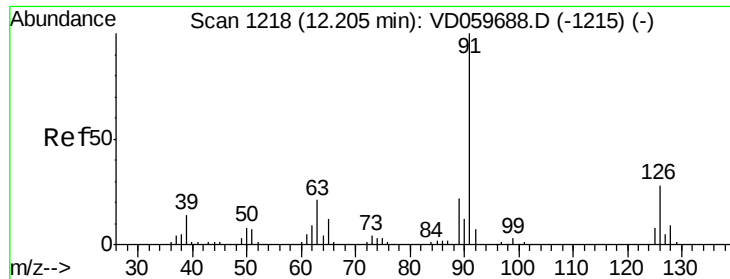
Tgt Ion: 156 Resp: 103348
Ion Ratio Lower Upper
156 100
77 110.4 71.2 213.6
158 100.1 49.1 147.3



#78
n-propylbenzene
Concen: 49.889 ug/l
RT: 12.15 min Scan# 1212
Delta R.T. 0.00 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Tgt Ion: 91 Resp: 409534
Ion Ratio Lower Upper
91 100
120 18.8 9.5 28.5

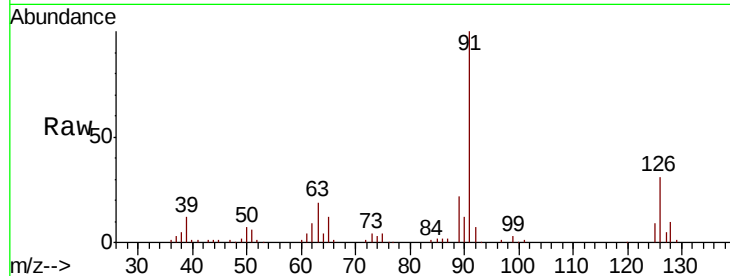




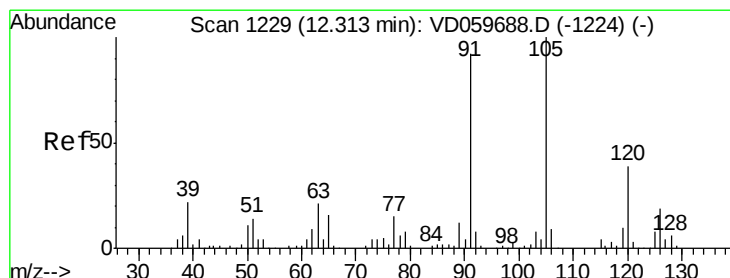
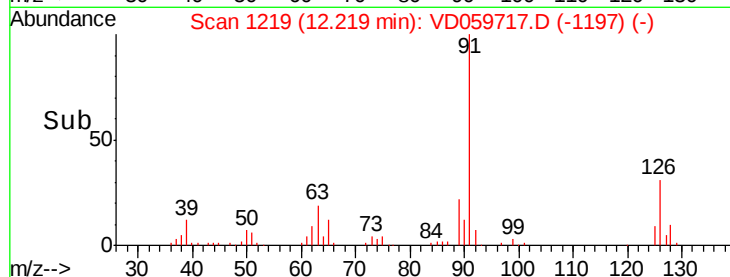
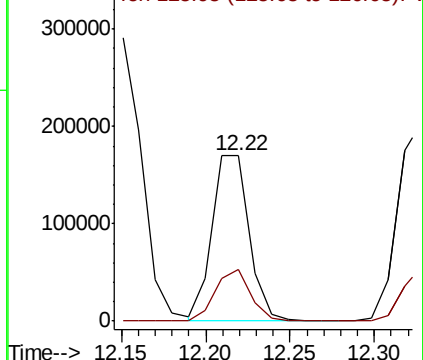
#79
 2-Chlorotoluene
 Concen: 52.253 ug/l
 RT: 12.22 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

Tgt Ion: 91 Resp: 259050
 Ion Ratio Lower Upper
 91 100
 126 31.0 13.7 41.0

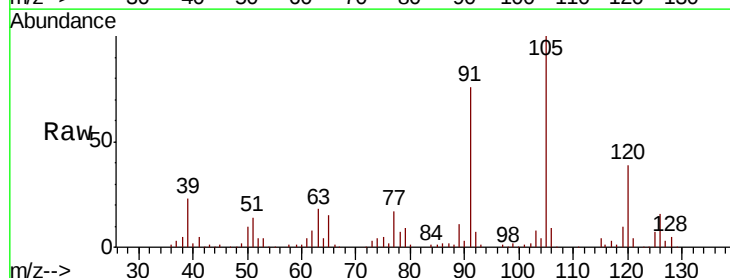


Abundance Ion 91.00 (90.70 to 91.70): VDC
 Ion 125.95 (125.65 to 126.65): V

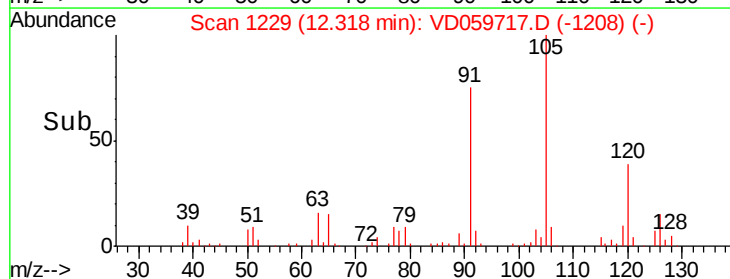
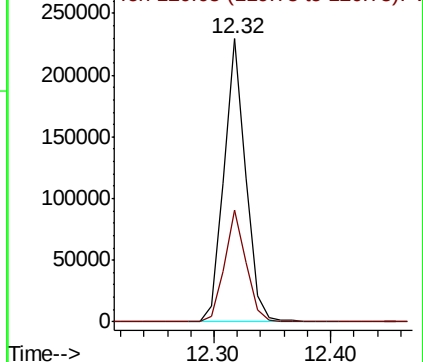


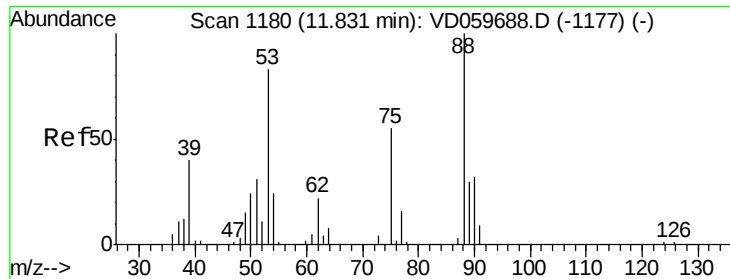
#80
 1,3,5-Trimethylbenzene
 Concen: 53.423 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

Tgt Ion: 105 Resp: 294778
 Ion Ratio Lower Upper
 105 100
 120 39.3 19.7 59.1



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





#81

trans-1,4-Dichloro-2-butene

Concen: 53.604 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Instrument :

MSVOA_D

ClientSampled :

BFB

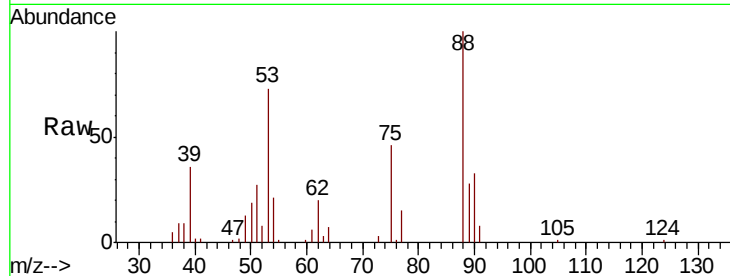
Tgt Ion: 75 Resp: 19933

Ion Ratio Lower Upper

75 100

53 159.1 120.5 180.7

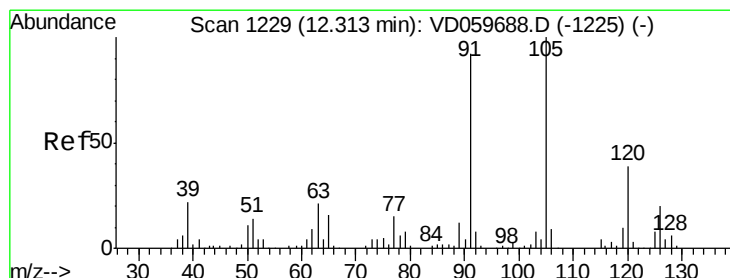
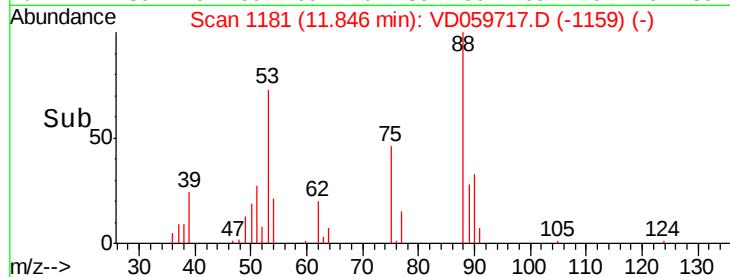
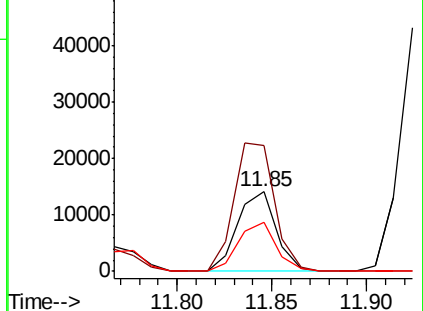
89 62.0 44.4 66.6



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: 51.094 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VD059717.D

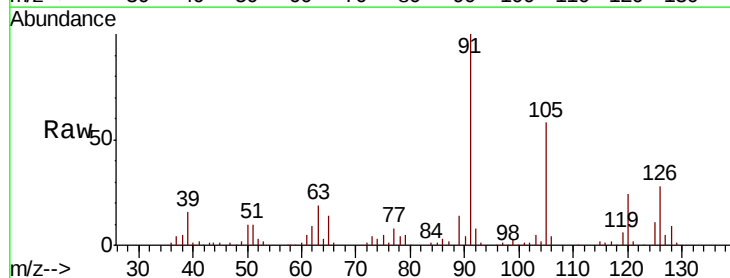
Acq: 9 Aug 2018 14:51

Tgt Ion: 91 Resp: 296528

Ion Ratio Lower Upper

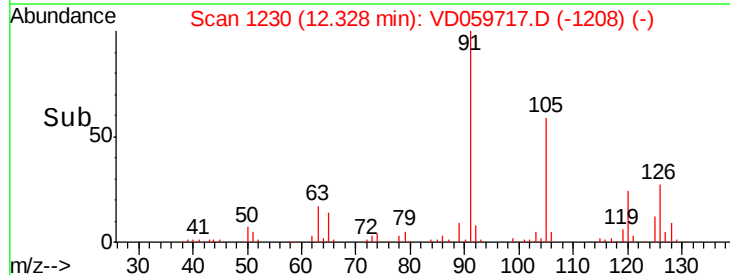
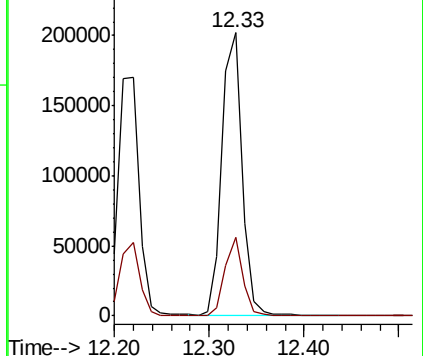
91 100

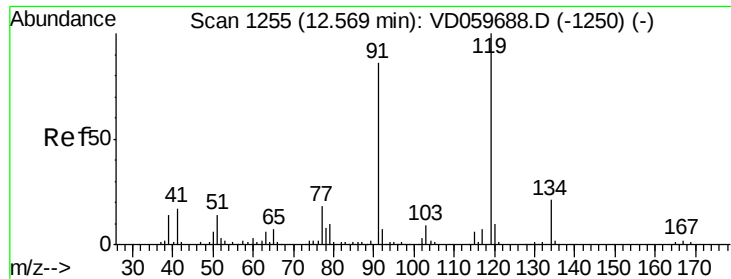
126 27.7 10.7 31.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

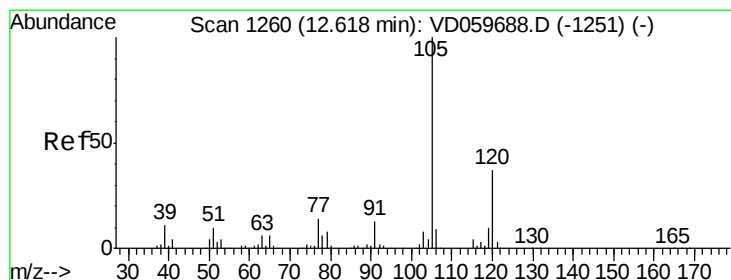
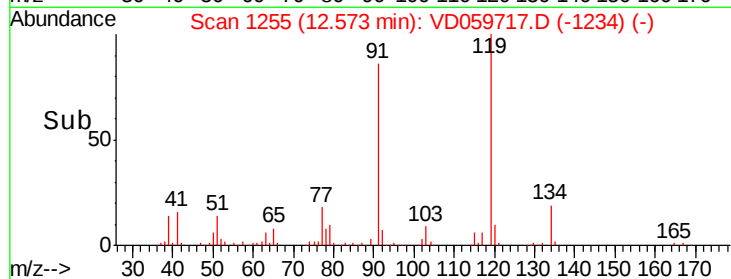
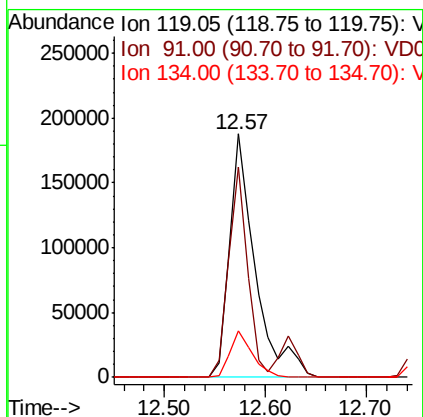
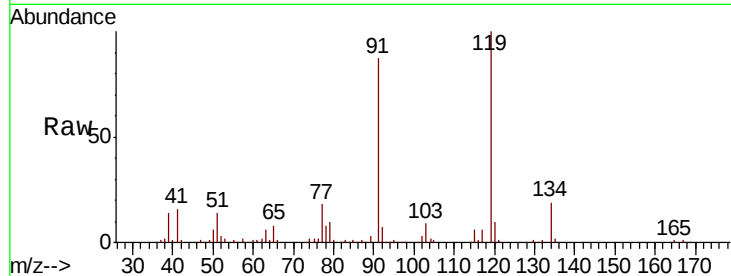




#83
 tert-Butylbenzene
 Concen: 53.714 ug/l
 RT: 12.57 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

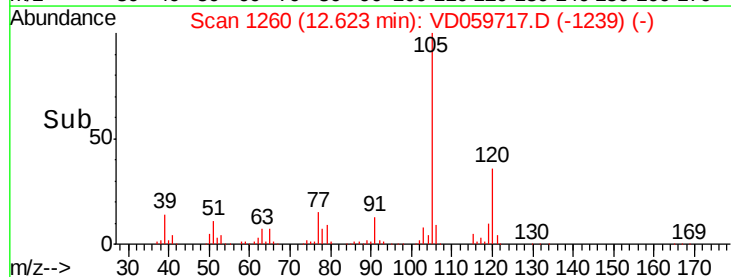
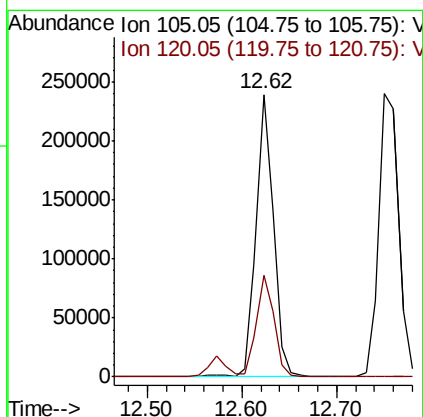
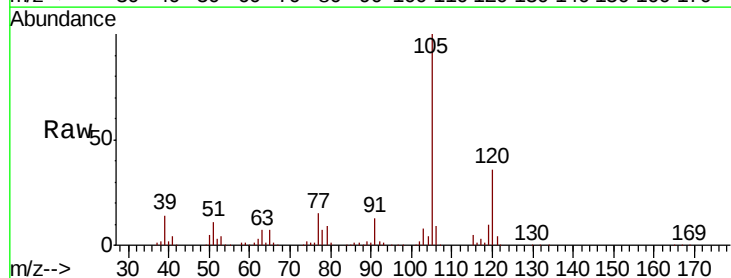
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

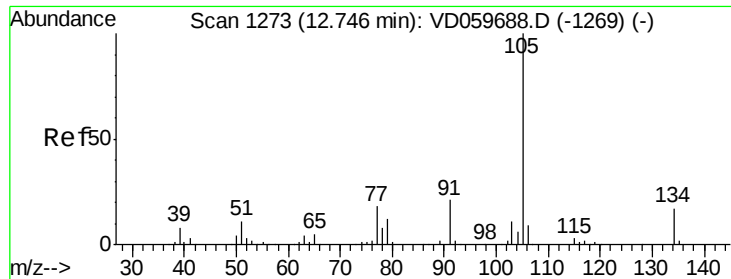
Tgt Ion:119 Resp: 331734
 Ion Ratio Lower Upper
 119 100
 91 86.6 43.3 129.9
 134 19.0 10.5 31.6



#84
 1,2,4-Trimethylbenzene
 Concen: 52.540 ug/l
 RT: 12.62 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

Tgt Ion:105 Resp: 307230
 Ion Ratio Lower Upper
 105 100
 120 36.2 18.7 56.1

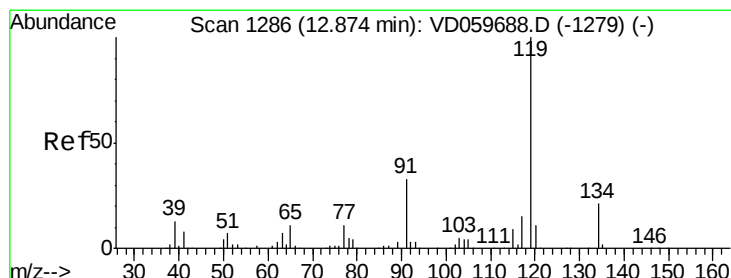
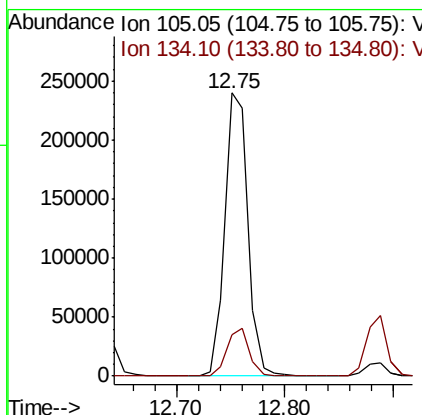
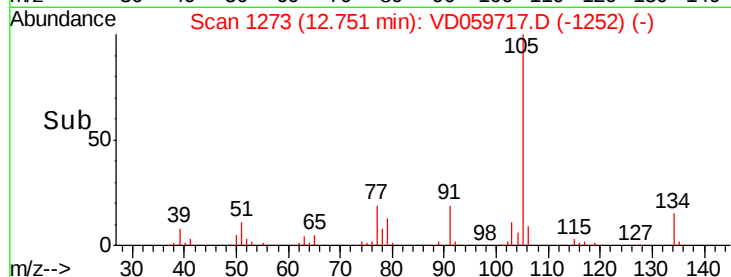
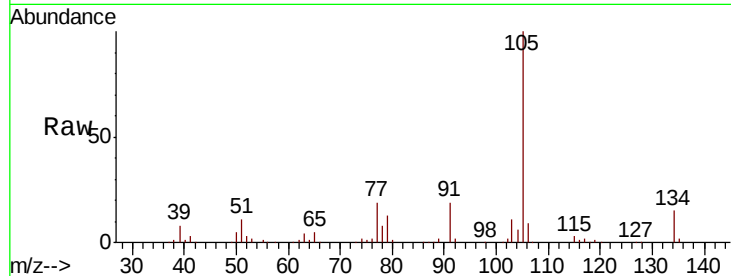




#85
 sec-Butylbenzene
 Concen: 52.071 ug/l
 RT: 12.75 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

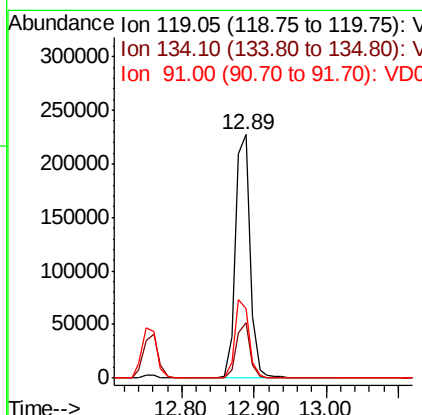
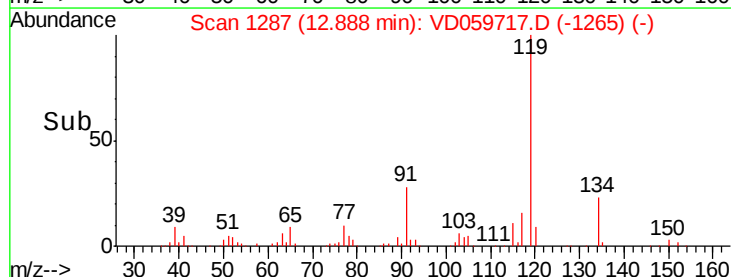
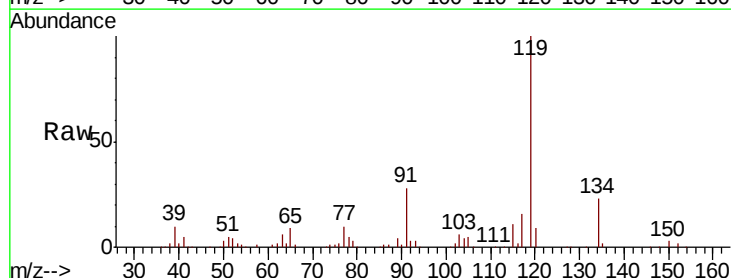
Instrument :
 MSVOA_D
 ClientSampled :
 BFB

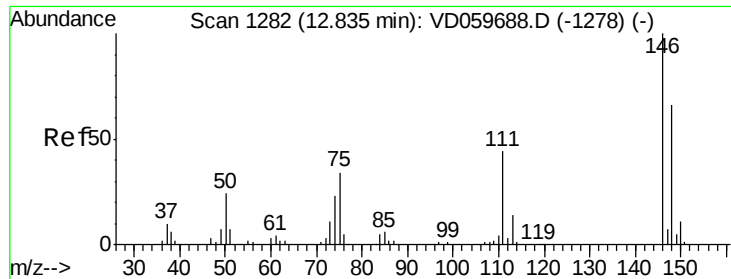
Tgt Ion:105 Resp: 357135
 Ion Ratio Lower Upper
 105 100
 134 14.5 8.3 24.9



#86
 p-Isopropyltoluene
 Concen: 55.498 ug/l
 RT: 12.89 min Scan# 1287
 Delta R.T. 0.01 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

Tgt Ion:119 Resp: 324603
 Ion Ratio Lower Upper
 119 100
 134 22.6 10.7 32.1
 91 28.3 16.6 49.7

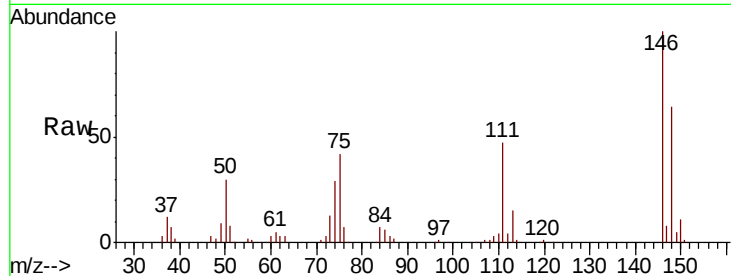




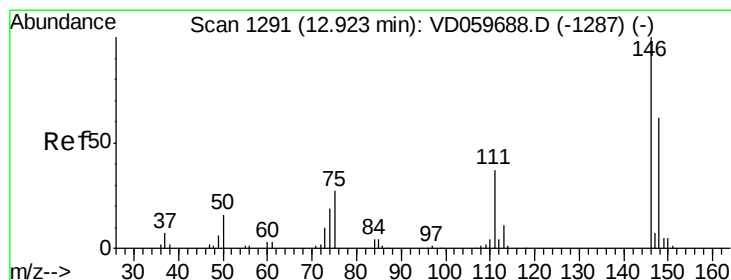
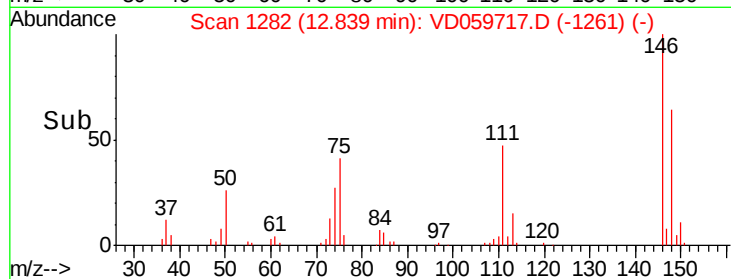
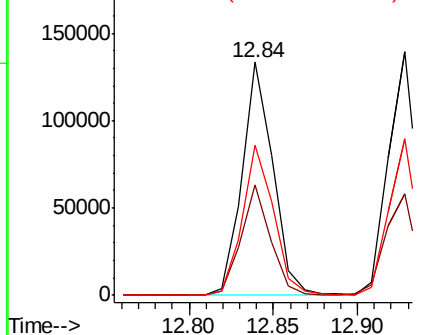
#87
 1,3-Dichlorobenzene
 Concen: 50.964 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

Tgt Ion:146 Resp: 169826
 Ion Ratio Lower Upper
 146 100
 111 47.2 21.8 65.4
 148 64.3 33.1 99.2

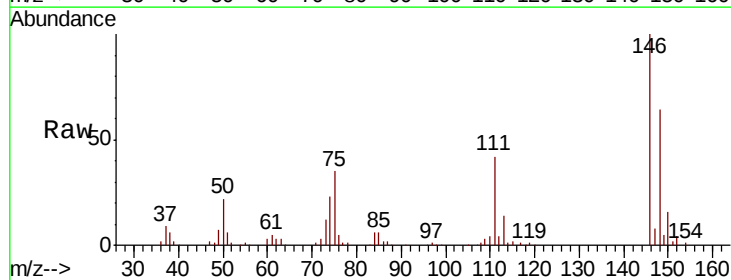


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

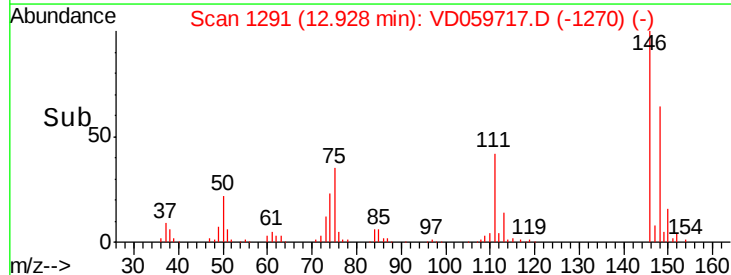
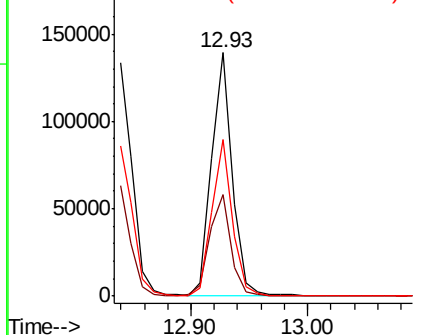


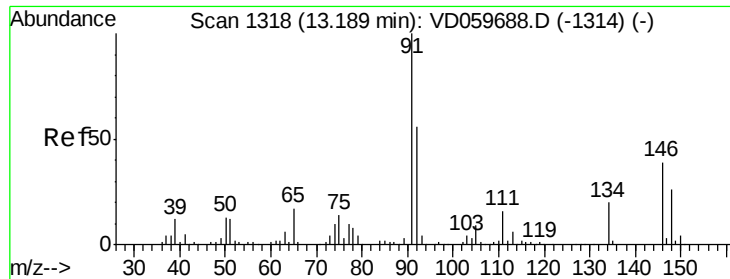
#88
 1,4-Dichlorobenzene
 Concen: 51.662 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

Tgt Ion:146 Resp: 171745
 Ion Ratio Lower Upper
 146 100
 111 41.6 18.6 55.8
 148 64.1 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

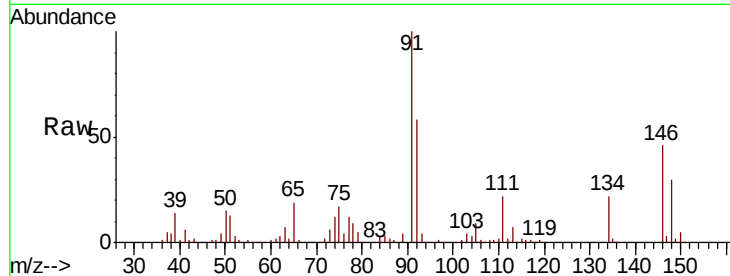




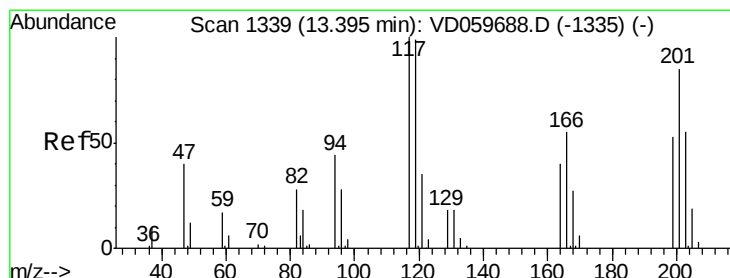
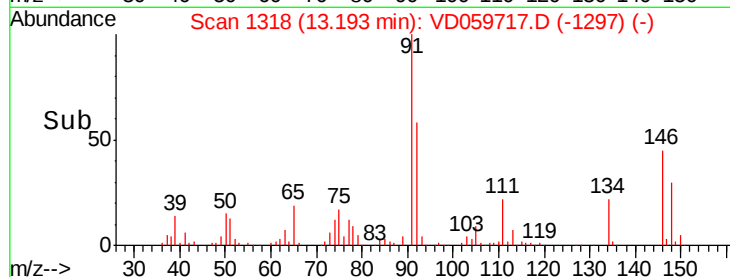
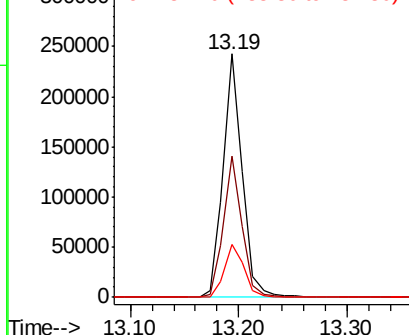
#89
n-Butylbenzene
Concen: 50.309 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Instrument :
MSVOA_D
ClientSampleId :
BFB

Tgt Ion: 91 Resp: 298359
Ion Ratio Lower Upper
91 100
92 57.9 28.2 84.6
134 21.7 9.8 29.5

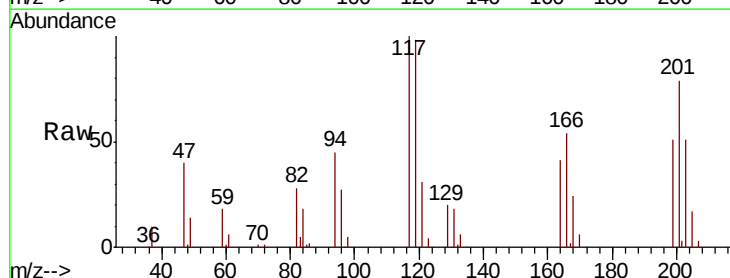


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

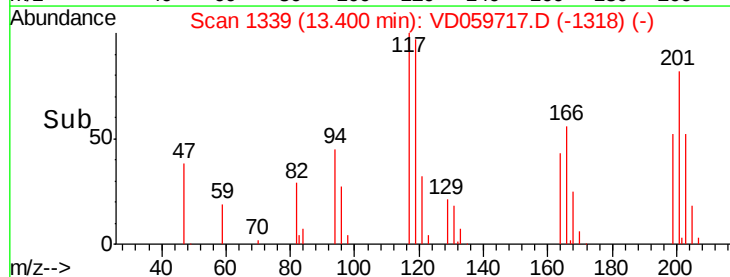
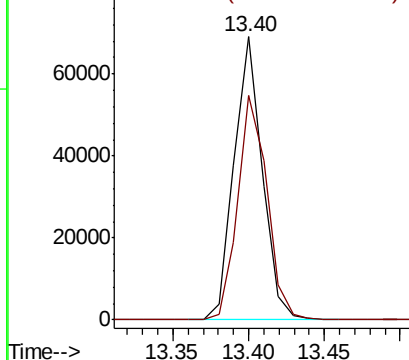


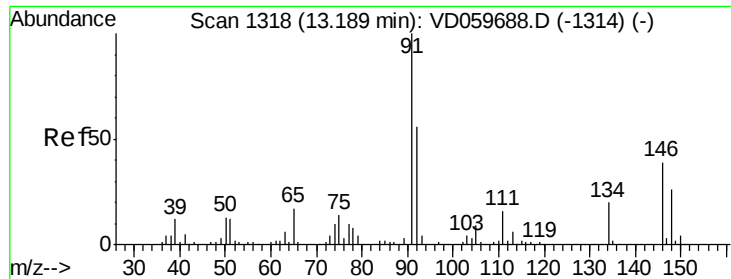
#90
Hexachloroethane
Concen: 58.557 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Tgt Ion: 117 Resp: 88768
Ion Ratio Lower Upper
117 100
201 79.4 42.4 127.1



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

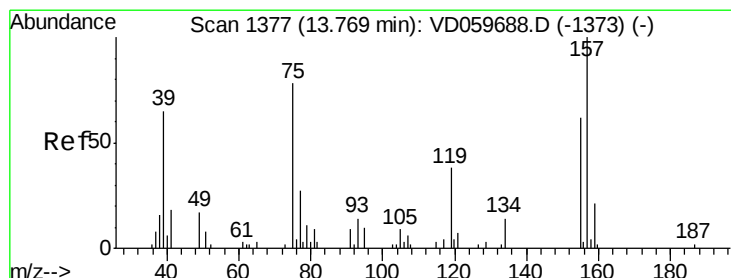
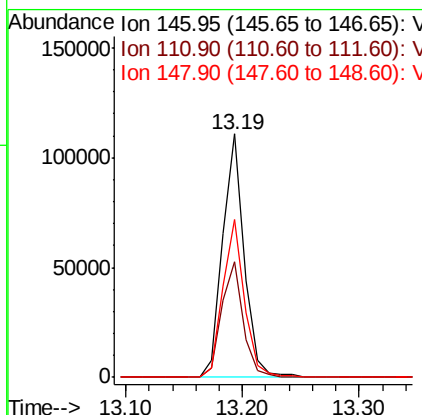
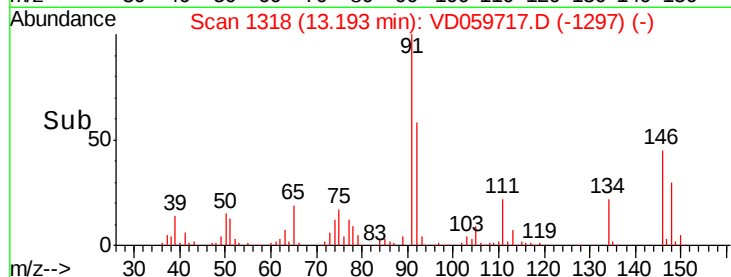
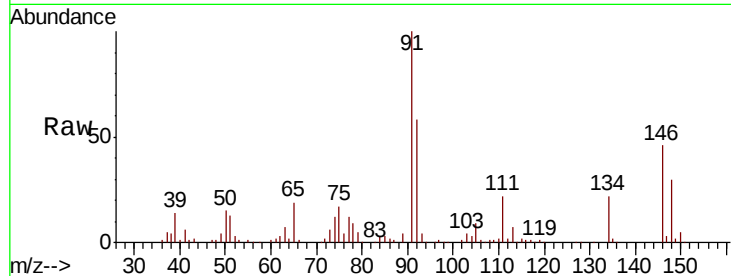




#91
 1,2-Dichlorobenzene
 Concen: 50.732 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

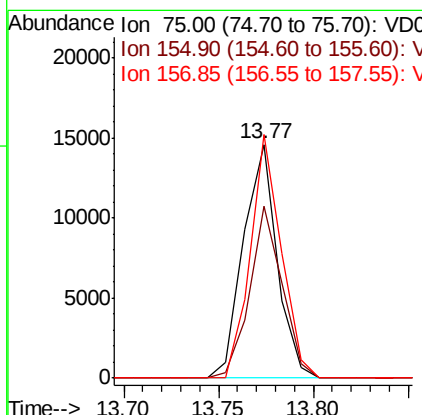
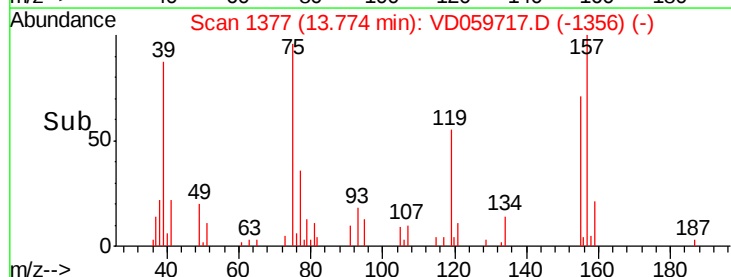
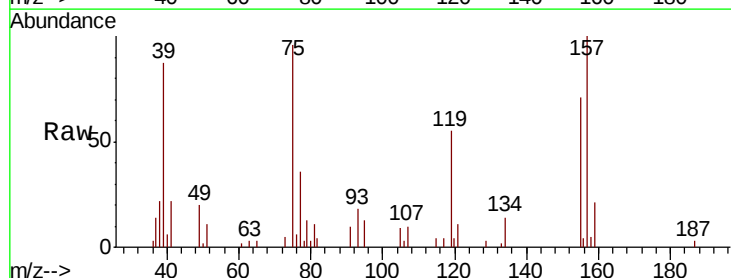
Instrument :
 MSVOA_D
 ClientSampled :
 BFB

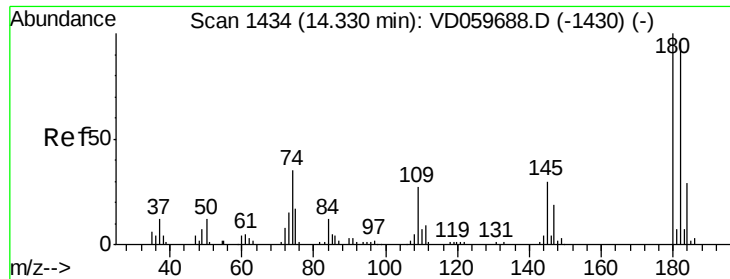
Tgt Ion: 146 Resp: 142371
 Ion Ratio Lower Upper
 146 100
 111 47.7 20.8 62.2
 148 65.0 33.4 100.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 64.579 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

Tgt Ion: 75 Resp: 17929
 Ion Ratio Lower Upper
 75 100
 155 73.6 40.0 119.9
 157 104.2 64.3 192.7

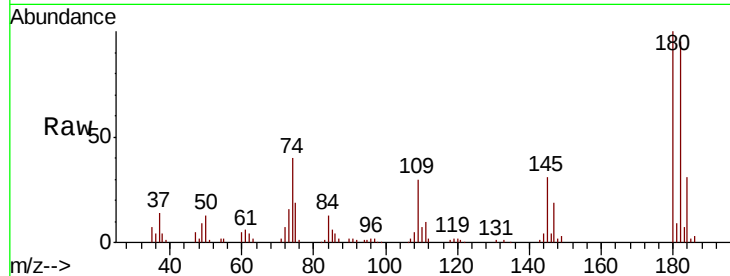




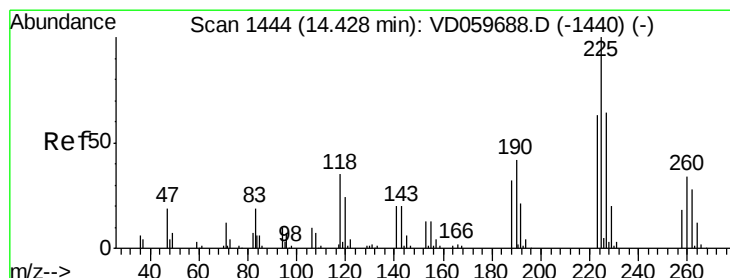
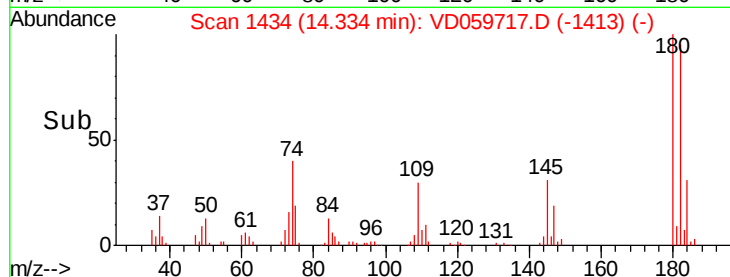
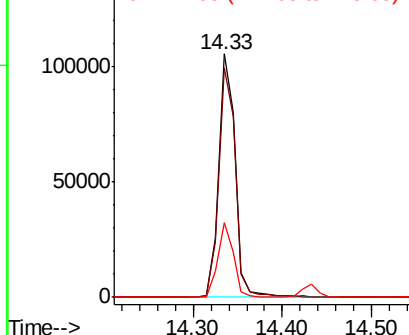
#93
 1,2,4-Trichlorobenzene
 Concen: 54.128 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

Instrument :
 MSVOA_D
 ClientSampled :
 BFB

Tgt Ion:180 Resp: 136646
 Ion Ratio Lower Upper
 180 100
 182 94.5 48.0 144.0
 145 30.6 14.8 44.4

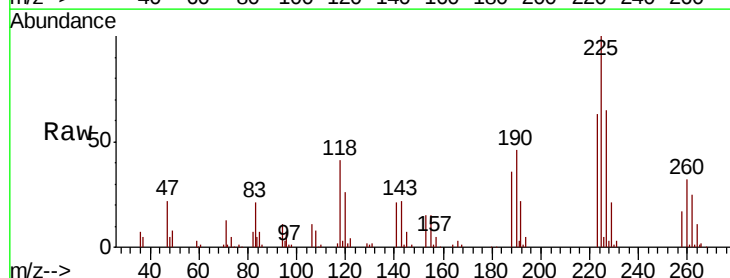


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

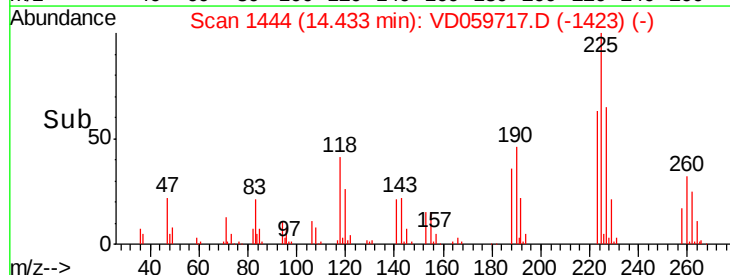
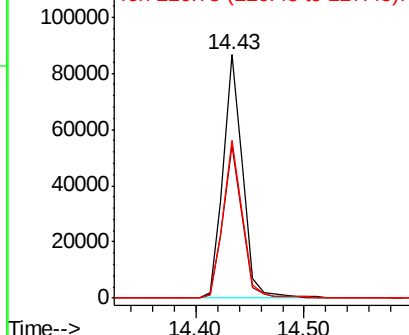


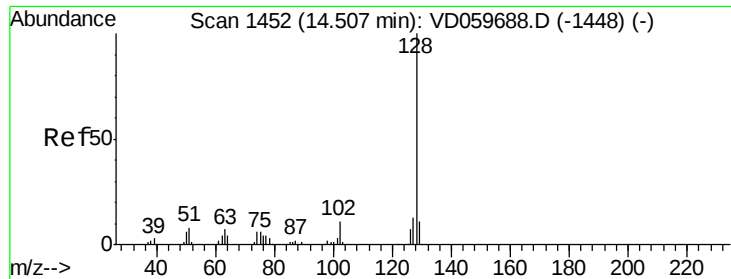
#94
 Hexachlorobutadiene
 Concen: 55.553 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

Tgt Ion:225 Resp: 108762
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.4 94.3
 227 64.9 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

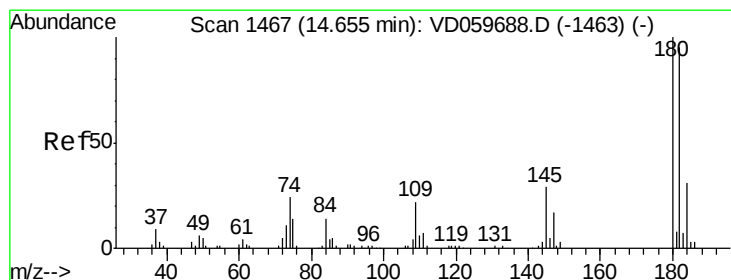
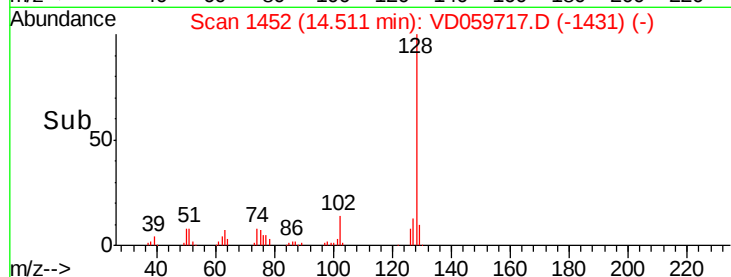
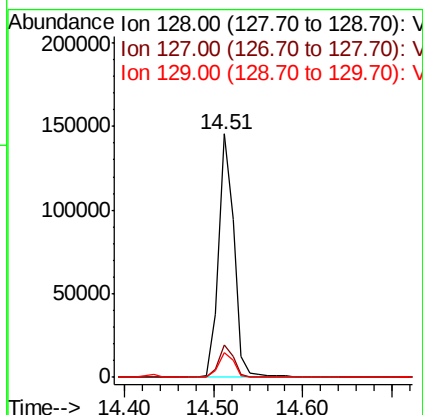
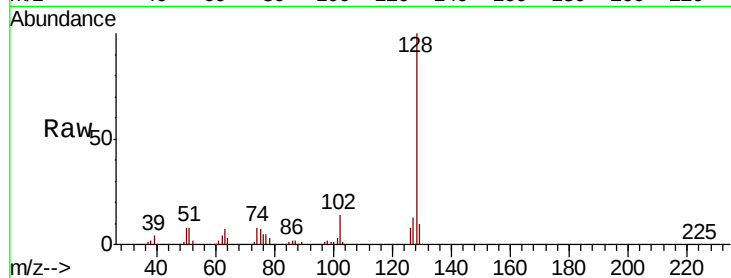




#95
Naphthalene
Concen: 47.401 ug/l
RT: 14.51 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Instrument :
MSVOA_D
ClientSampleId :
BFB

Tgt Ion:128 Resp: 177216
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 10.2 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 53.291 ug/l
RT: 14.66 min Scan# 1467
Delta R.T. 0.00 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Tgt Ion:180 Resp: 117679
Ion Ratio Lower Upper
180 100
182 96.4 47.5 142.5
145 32.0 14.5 43.5

