

Data File : VD059848.D
Acq On : 21 Aug 2018 11:15
Operator : JC/SY
Sample : VSTDCCC050
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
BFB

Quant Time: Aug 22 01:07:34 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 21 04:40:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.60	168	1182747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.65	114	1650655	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.66	117	1329994	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.89	152	616311	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.97	65	471128	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
35) Dibromofluoromethane	5.51	113	651508	53.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.72%	
50) Toluene-d8	8.67	98	1715322	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
62) 4-Bromofluorobenzene	11.91	95	656325	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.33	85	489879	48.092	ug/l	99
3) Chloromethane	1.47	50	387513	44.904	ug/l	97
4) Vinyl Chloride	1.54	62	332061	48.014	ug/l	99
5) Bromomethane	1.77	94	53894	59.300	ug/l	87
6) Chloroethane	1.86	64	90071	57.563	ug/l	96
7) Trichlorofluoromethane	2.07	101	360458	51.771	ug/l	99
8) Diethyl Ether	2.32	74	75289	48.376	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.53	101	232538	52.514	ug/l	97
10) Methyl Iodide	2.67	142	241423	47.334	ug/l	94
11) Tert butyl alcohol	3.22	59	91030	260.150	ug/l	95
12) 1,1-Dichloroethene	2.52	96	177882	57.626	ug/l	91
13) Acrolein	2.44	56	90275	251.901	ug/l	98
14) Allyl chloride	2.89	41	443153	47.857	ug/l	100
15) Acrylonitrile	3.33	53	386513	238.651	ug/l	97
16) Acetone	2.58	43	436896	275.377	ug/l	99
17) Carbon Disulfide	2.73	76	610071	52.140	ug/l	100
18) Methyl Acetate	2.90	43	157015	48.911	ug/l	100
19) Methyl tert-butyl Ether	3.37	73	958425	46.828	ug/l	97
20) Methylene Chloride	3.03	84	192052	48.259	ug/l	92
21) trans-1,2-Dichloroethene	3.35	96	484141	49.748	ug/l	98
22) Diisopropyl ether	4.03	45	2262444	47.830	ug/l	100
23) Vinyl Acetate	3.98	43	6162135	242.510	ug/l	99
24) 1,1-Dichloroethane	3.93	63	1000142	48.082	ug/l	99
25) 2-Butanone	4.79	43	1277318	266.354	ug/l	98
26) 2,2-Dichloropropane	4.75	77	776064	47.550	ug/l	99
27) cis-1,2-Dichloroethene	4.76	96	617786	49.901	ug/l	99
28) Bromochloromethane	5.10	49	531603	50.435	ug/l	100
29) Tetrahydrofuran	5.14	42	573168	236.053	ug/l	98
30) Chloroform	5.28	83	995140	48.476	ug/l	99
31) Cyclohexane	5.55	56	864889	50.100	ug/l	97
32) 1,1,1-Trichloroethane	5.47	97	851885	49.246	ug/l	97
36) 1,1-Dichloropropene	5.71	75	722337	51.600	ug/l	99
37) Ethyl Acetate	4.88	43	524163	50.510	ug/l	98
38) Carbon Tetrachloride	5.68	117	700513	50.137	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.24	83	782675	52.271	ug/l	98
40) Benzene	5.97	78	1860562	51.300	ug/l	100
41) Methacrylonitrile	5.08	41	257673	48.470	ug/l	97
42) 1,2-Dichloroethane	6.09	62	582705	49.339	ug/l	99
43) Isopropyl Acetate	7.58	43	701061	48.843	ug/l	100
44) Trichloroethene	6.94	130	564749	52.356	ug/l	99
45) 1,2-Dichloropropane	7.31	63	507002	47.605	ug/l	99
46) Dibromomethane	7.42	93	331841	50.044	ug/l	97
47) Bromodichloromethane	7.71	83	722393	49.343	ug/l	100
48) Methyl methacrylate	7.47	41	386762	48.857	ug/l	97
49) 1,4-Dioxane	7.45	88	73037	1090.240	ug/l	98
51) 4-Methyl-2-Pentanone	8.56	43	2581972	269.069	ug/l	100
52) Toluene	8.77	92	1174762	51.225	ug/l	100
53) t-1,3-Dichloropropene	9.15	75	677513	50.803	ug/l	99
54) cis-1,3-Dichloropropene	8.33	75	803311	50.297	ug/l	99
55) 1,1,2-Trichloroethane	9.42	97	406765	49.133	ug/l	98
56) Ethyl methacrylate	9.28	69	452436	47.393	ug/l	100
57) 1,3-Dichloropropane	9.63	76	604311	49.925	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.15	63	1224917	232.554	ug/l	98
59) 2-Hexanone	9.75	43	1951997	275.203	ug/l	98
60) Dibromochloromethane	9.92	129	523207	49.079	ug/l	99
61) 1,2-Dibromoethane	10.06	107	443515	50.135	ug/l	100
64) Tetrachloroethene	9.48	164	508534	52.222	ug/l	97
65) Chlorobenzene	10.70	112	1267331	49.407	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.82	131	443268	50.632	ug/l	97
67) Ethyl Benzene	10.83	91	2064505	49.229	ug/l	98
68) m/p-Xylenes	10.98	106	1478560	95.054	ug/l	100
69) o-Xylene	11.38	106	753507	50.697	ug/l	100
70) Styrene	11.41	104	1284047	49.613	ug/l	98
71) Bromoform	11.57	173	396983	50.460	ug/l	98
73) Isopropylbenzene	11.75	105	2082325	49.578	ug/l	99
74) N-amyl acetate	11.62	43	853348	45.374	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.06	83	466242	47.095	ug/l	100
76) 1,2,3-Trichloropropane	12.09	75	469834	46.079	ug/l	99
77) Bromobenzene	12.02	156	586406	50.230	ug/l	91
78) n-propylbenzene	12.14	91	2487820	47.689	ug/l	99
79) 2-Chlorotoluene	12.19	91	1480770	49.304	ug/l	99
80) 1,3,5-Trimethylbenzene	12.29	105	1485550	48.064	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.82	75	152991	47.999	ug/l	91
82) 4-Chlorotoluene	12.30	91	1441768	47.622	ug/l	97
83) tert-Butylbenzene	12.56	119	1815898	54.809	ug/l	96
84) 1,2,4-Trimethylbenzene	12.61	105	1716527	49.667	ug/l	99
85) sec-Butylbenzene	12.74	105	2145969	48.837	ug/l	99
86) p-Isopropyltoluene	12.86	119	1688265	48.979	ug/l	99
87) 1,3-Dichlorobenzene	12.82	146	1023843	52.095	ug/l	97
88) 1,4-Dichlorobenzene	12.90	146	987569	50.695	ug/l	96
89) n-Butylbenzene	13.18	91	1603436	50.043	ug/l	98
90) Hexachloroethane	13.37	117	478268	48.631	ug/l	72
91) 1,2-Dichlorobenzene	13.17	146	744394	50.144	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.75	75	66746	45.292	ug/l	69

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082118\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.32	180	695661	49.301	ug/l	99
94) Hexachlorobutadiene	14.42	225	479972	50.562	ug/l	98
95) Naphthalene	14.50	128	1101845	47.799	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	600475	48.558	ug/l	99

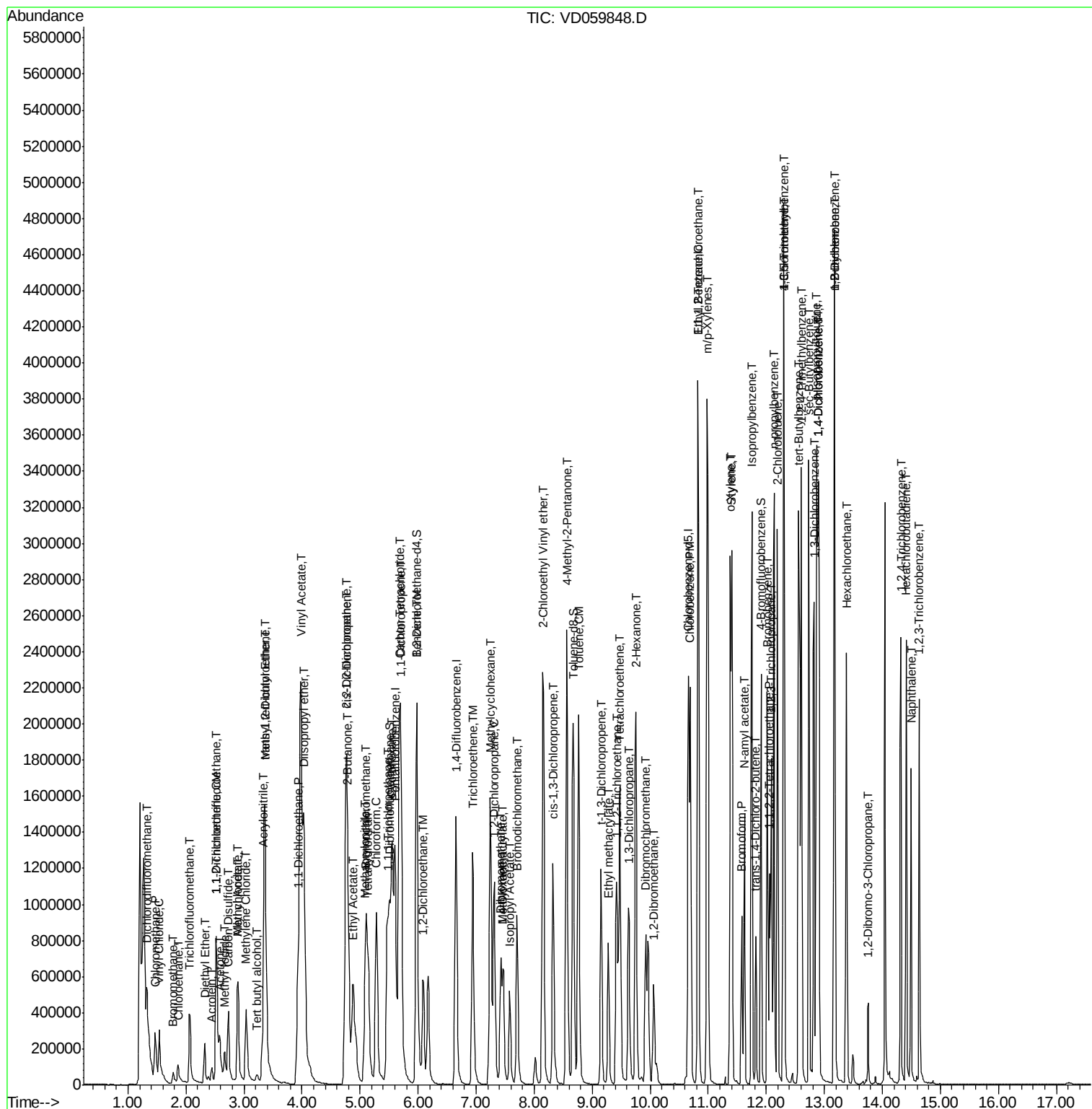
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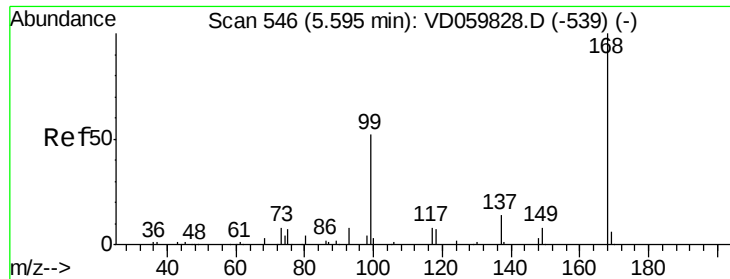
Data File : VD059848.D

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 546

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

ClientSampleId :

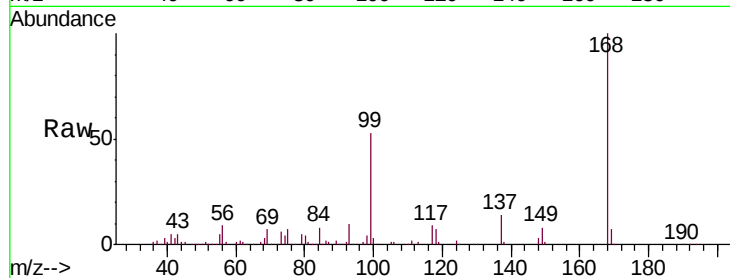
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Tgt Ion:168 Resp: 1182747

Ion Ratio Lower Upper

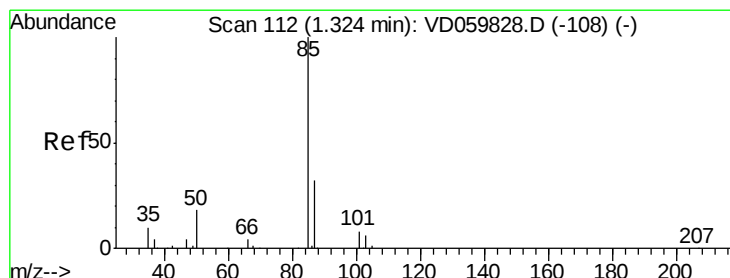
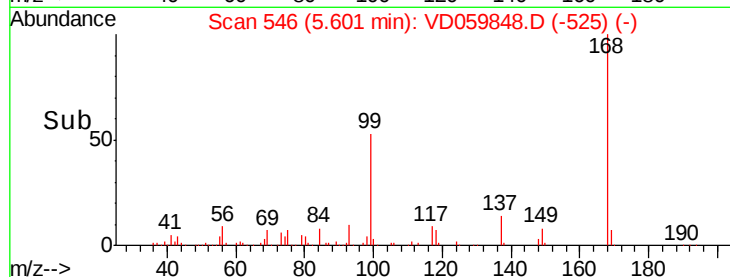
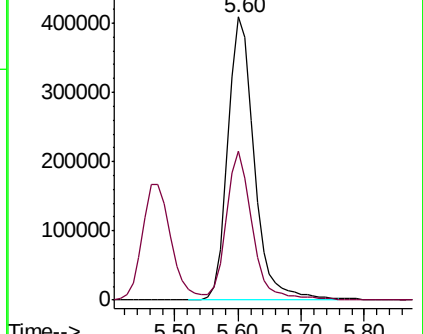
168 100

99 52.5 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 48.092 ug/l

RT: 1.33 min Scan# 112

Delta R.T. 0.01 min

Lab File: VD059848.D

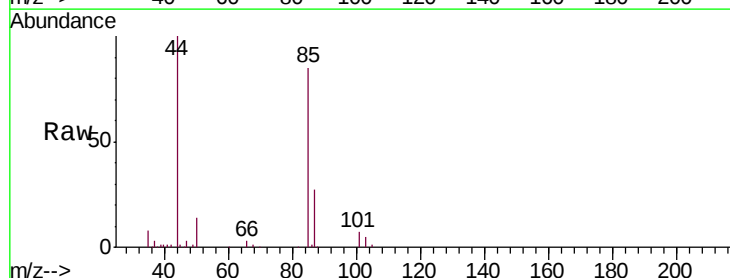
Acq: 21 Aug 2018 11:15

Tgt Ion: 85 Resp: 489879

Ion Ratio Lower Upper

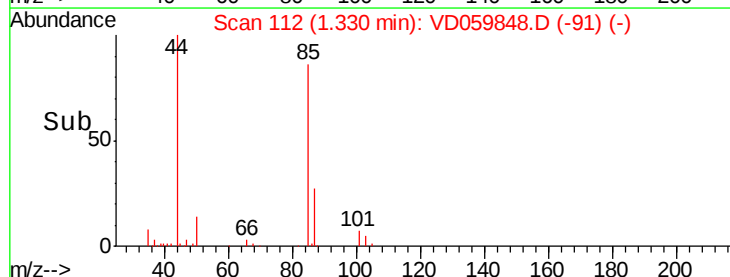
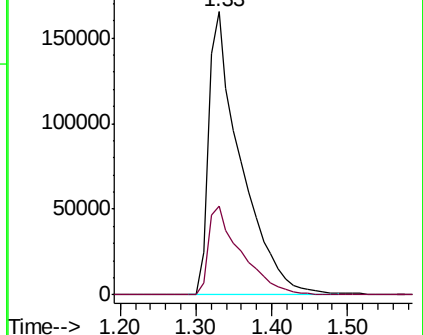
85 100

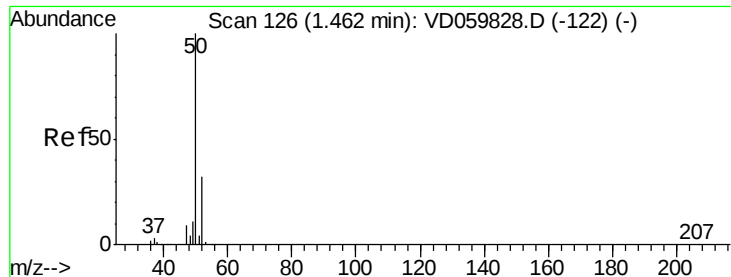
87 31.5 16.1 48.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 44.904 ug/l

RT: 1.47 min Scan# 126

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

ClientSampleId :

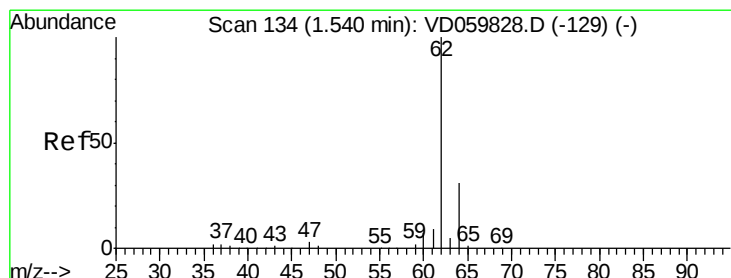
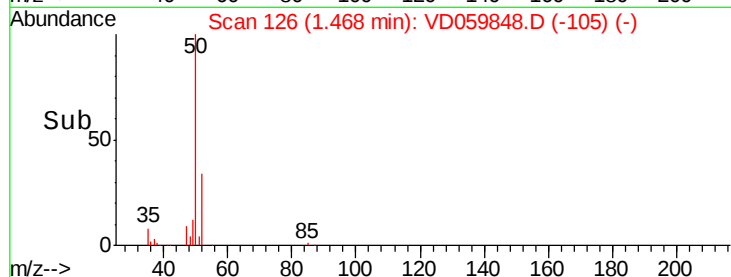
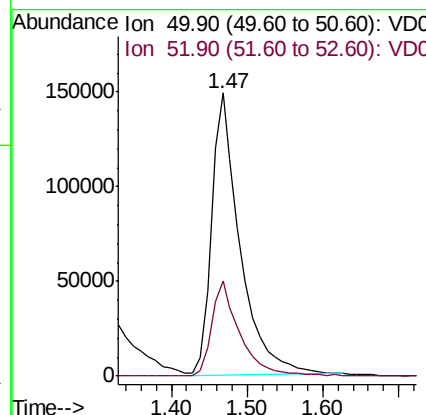
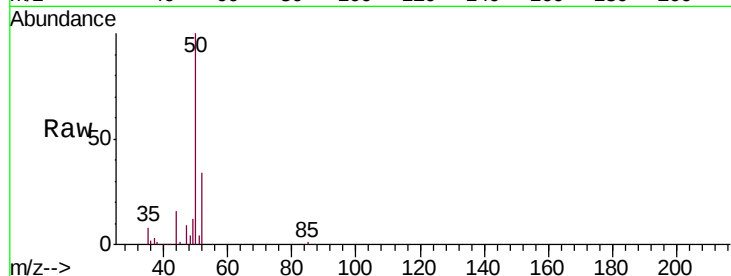
BFB

Tgt Ion: 50 Resp: 387513

Ion Ratio Lower Upper

50 100

52 33.6 25.4 38.2



#4

Vinyl Chloride

Concen: 48.014 ug/l

RT: 1.54 min Scan# 133

Delta R.T. -0.00 min

Lab File: VD059848.D

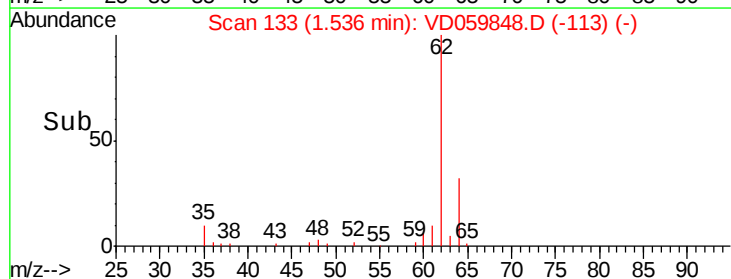
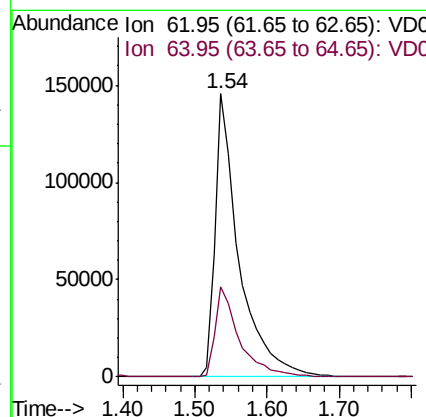
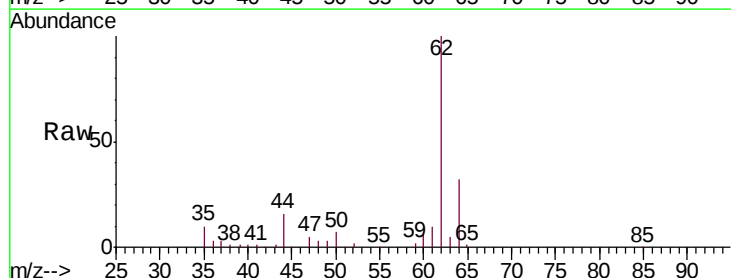
Acq: 21 Aug 2018 11:15

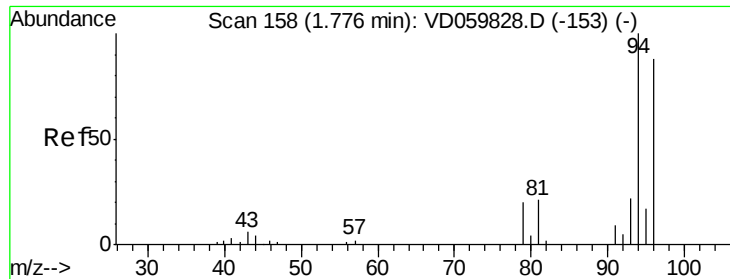
Tgt Ion: 62 Resp: 332061

Ion Ratio Lower Upper

62 100

64 32.0 25.0 37.6





#5

Bromomethane

Concen: 59.300 ug/l

RT: 1.77 min Scan# 157

Delta R.T. -0.00 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

ClientSampleId :

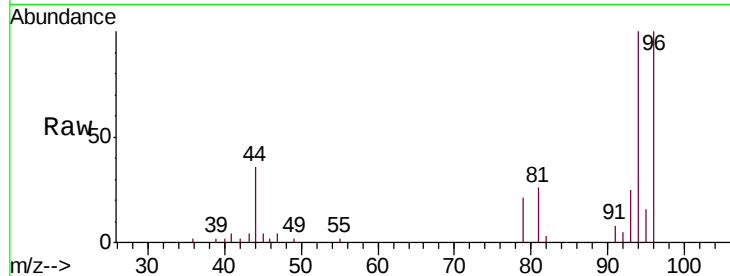
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Tgt Ion: 94 Resp: 53894

Ion Ratio Lower Upper

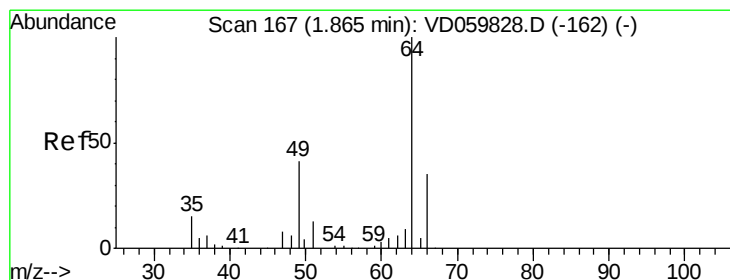
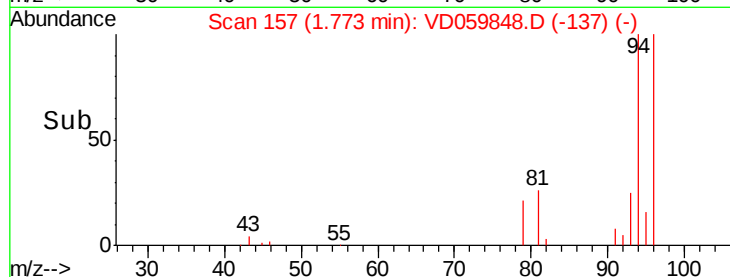
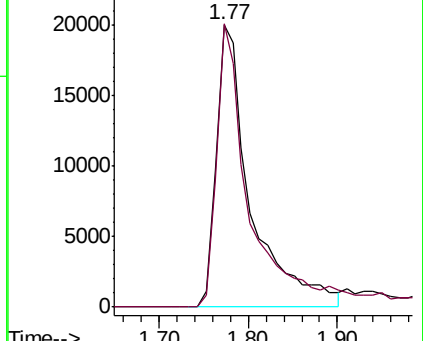
94 100

96 100.3 70.8 106.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 57.563 ug/l

RT: 1.86 min Scan# 166

Delta R.T. -0.00 min

Lab File: VD059848.D

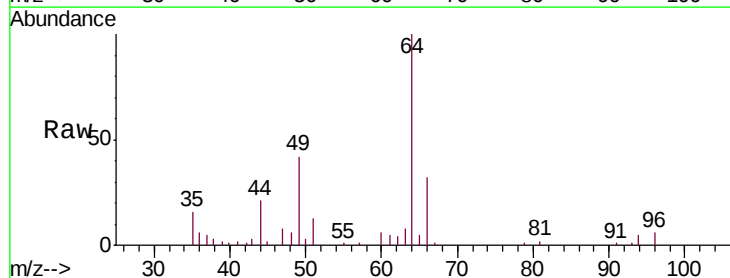
Acq: 21 Aug 2018 11:15

Tgt Ion: 64 Resp: 90071

Ion Ratio Lower Upper

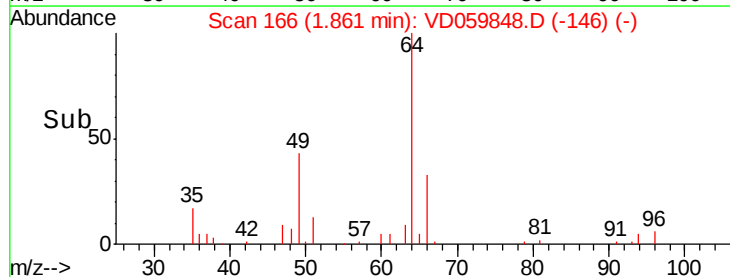
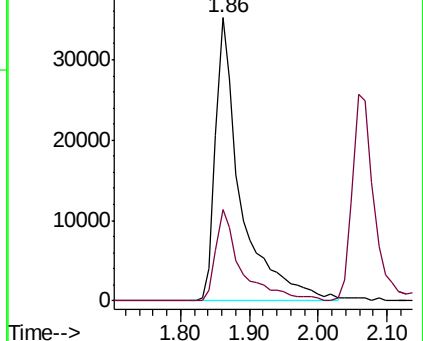
64 100

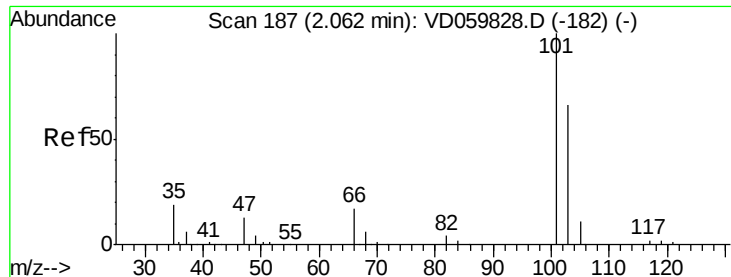
66 32.4 27.9 41.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



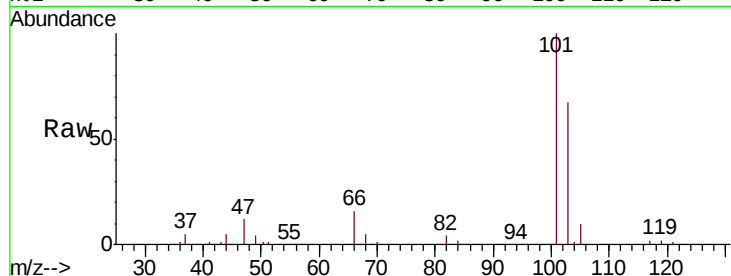


#7

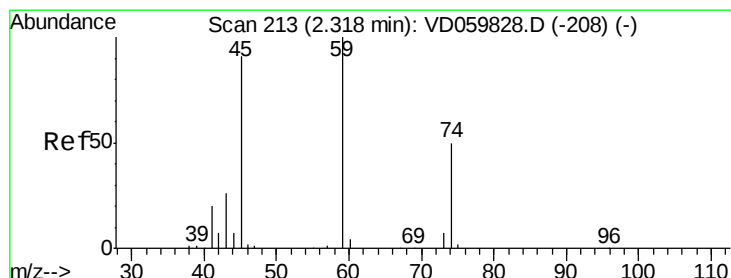
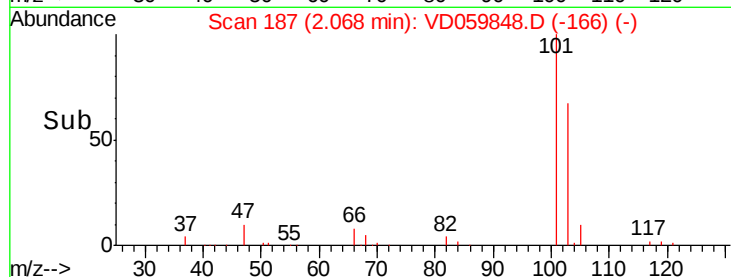
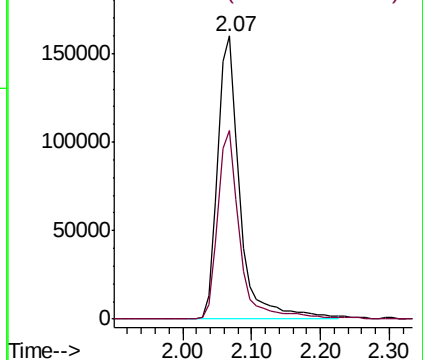
Trichlorofluoromethane
 Concen: 51.771 ug/l
 RT: 2.07 min Scan# 187
 Delta R.T. 0.01 min
 Lab File: VD059848.D
 Acq: 21 Aug 2018 11:15

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Tgt Ion:101 Resp: 360458
 Ion Ratio Lower Upper
 101 100
 103 66.6 53.0 79.4



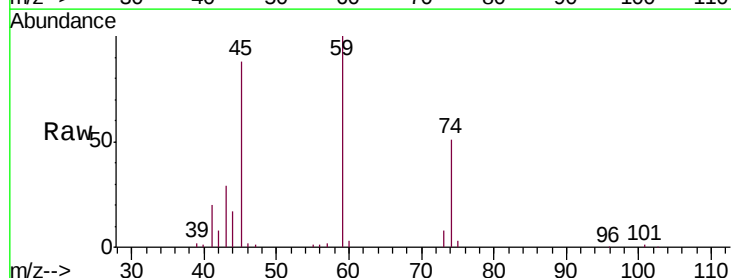
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



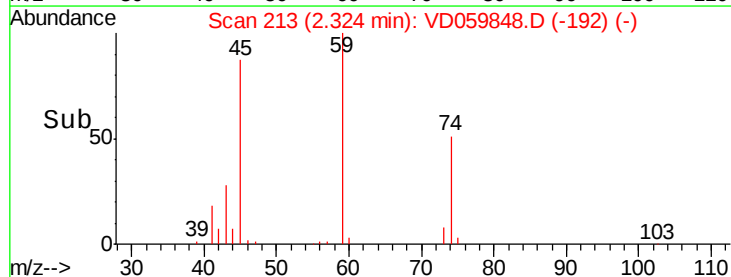
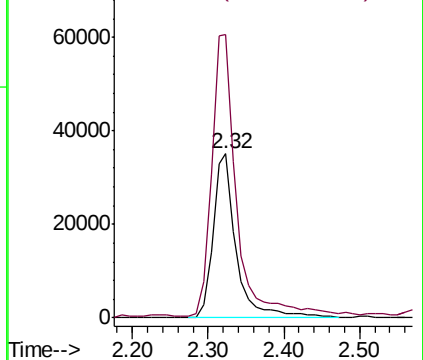
#8

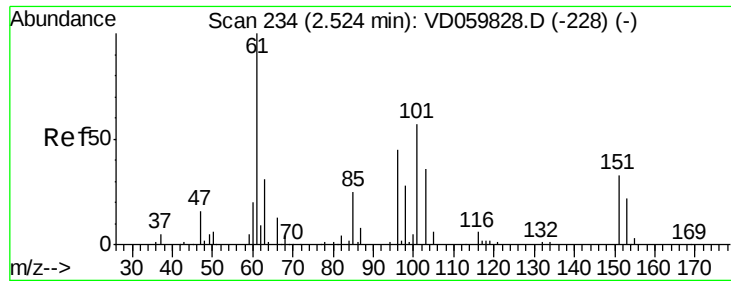
Diethyl Ether
 Concen: 48.376 ug/l
 RT: 2.32 min Scan# 213
 Delta R.T. 0.01 min
 Lab File: VD059848.D
 Acq: 21 Aug 2018 11:15

Tgt Ion: 74 Resp: 75289
 Ion Ratio Lower Upper
 74 100
 45 172.5 90.6 271.9



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: 52.514 ug/l

RT: 2.53 min Scan# 234

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

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ClientSampled :

BFB

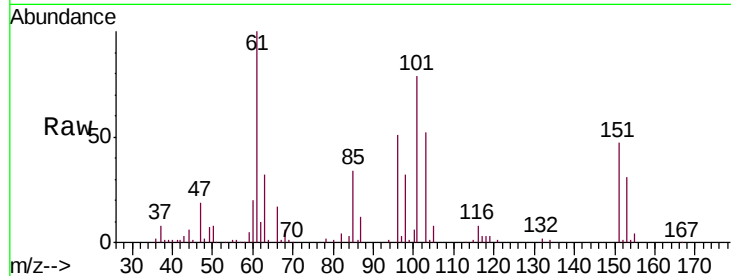
Tgt Ion:101 Resp: 232538

Ion Ratio Lower Upper

101 100

85 43.5 35.7 53.5

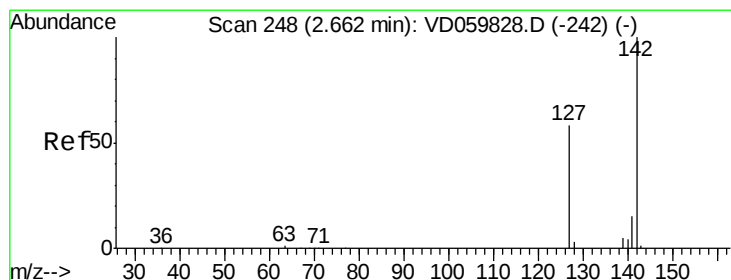
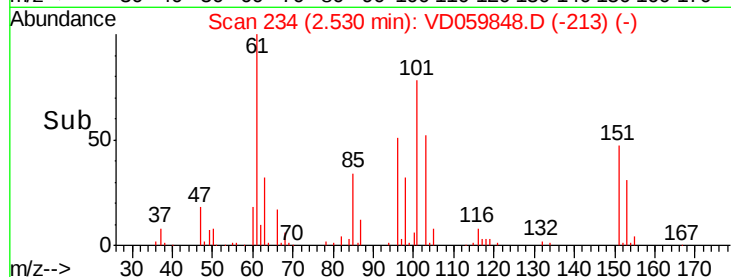
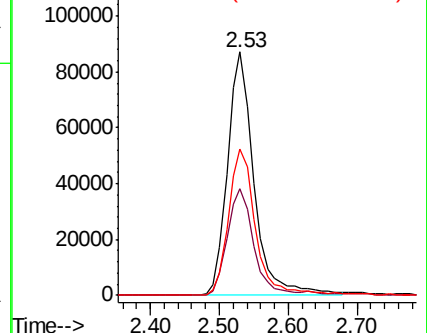
151 60.1 45.8 68.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 47.334 ug/l

RT: 2.67 min Scan# 248

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

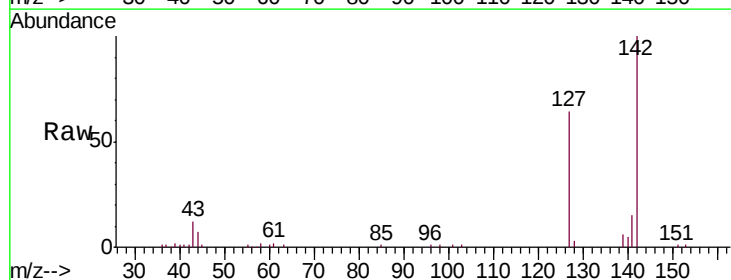
Tgt Ion:142 Resp: 241423

Ion Ratio Lower Upper

142 100

127 63.7 46.6 69.8

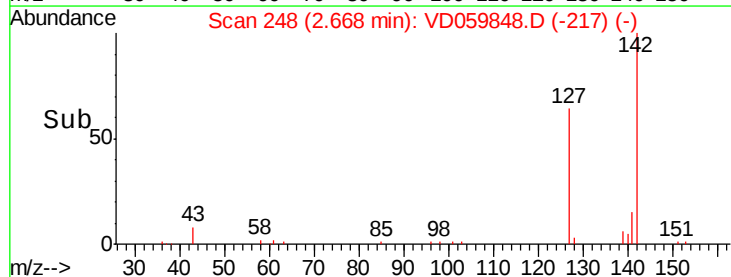
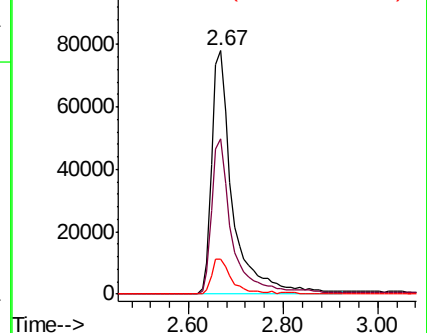
141 14.6 11.7 17.5

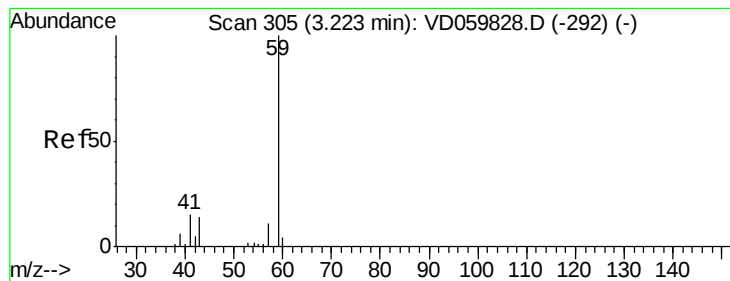


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



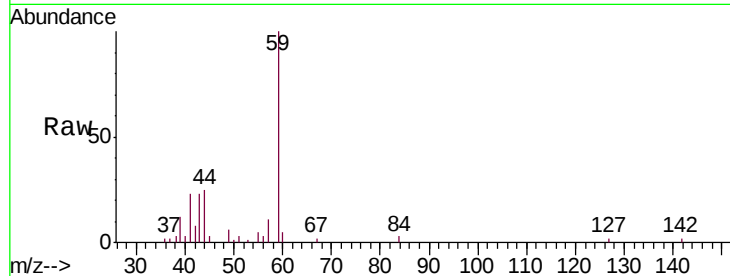


#11

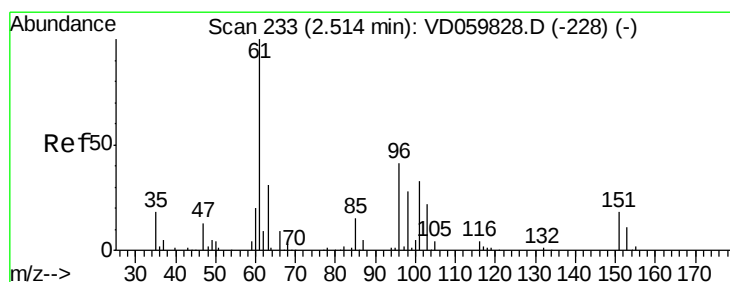
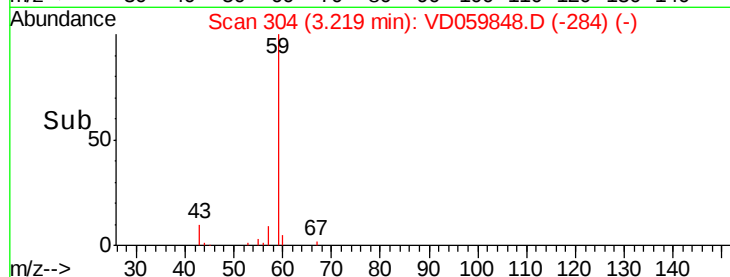
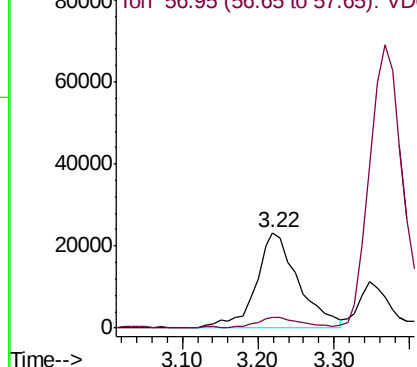
Tert butyl alcohol
Concen: 260.150 ug/l
RT: 3.22 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Instrument :
MSVOA_D
ClientSampled :
BFB

Tgt Ion: 59 Resp: 91030
Ion Ratio Lower Upper
59 100
57 10.9 10.3 15.5



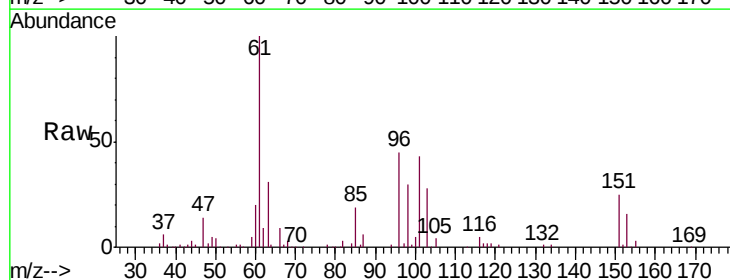
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



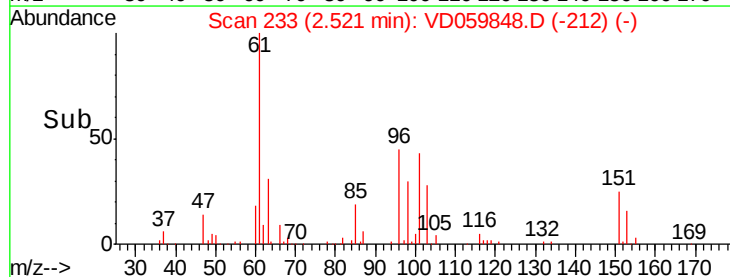
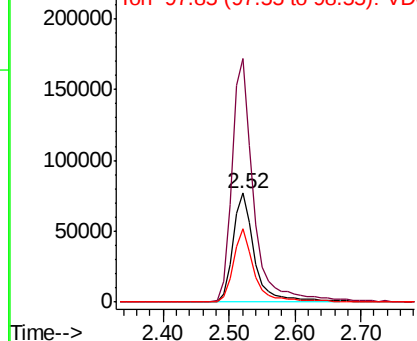
#12

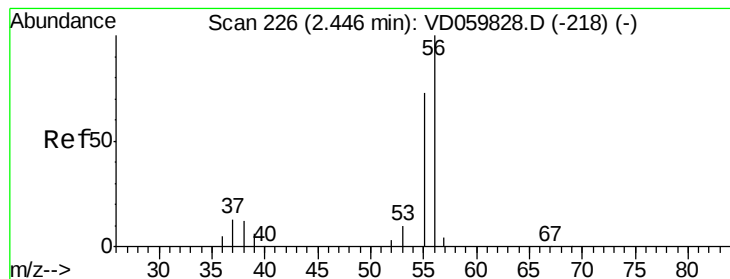
1,1-Dichloroethene
Concen: 57.626 ug/l
RT: 2.52 min Scan# 233
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Tgt Ion: 96 Resp: 177882
Ion Ratio Lower Upper
96 100
61 223.6 194.0 291.0
98 67.4 53.4 80.0



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





#13

Acrolein

Concen: 251.901 ug/l

RT: 2.44 min Scan# 225

Delta R.T. -0.00 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

ClientSampleId :

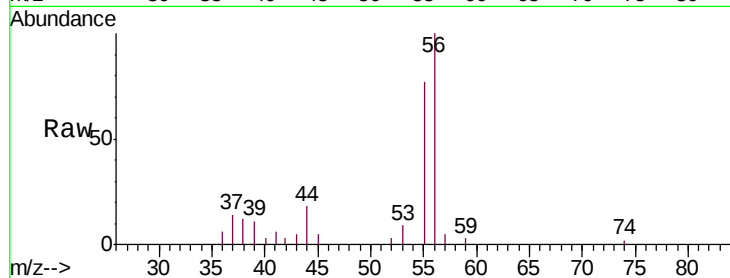
BFB

Tgt Ion: 56 Resp: 90275

Ion Ratio Lower Upper

56 100

55 77.2 60.4 90.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.44

40000

30000

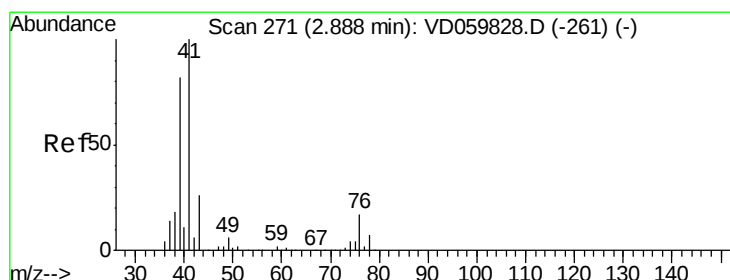
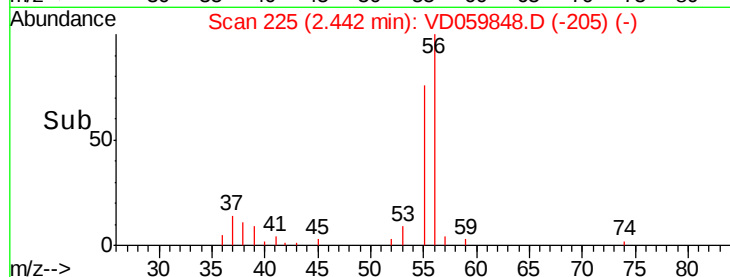
20000

10000

0

Time-->

2.30 2.40 2.50 2.60



#14

Allyl chloride

Concen: 47.857 ug/l

RT: 2.89 min Scan# 271

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

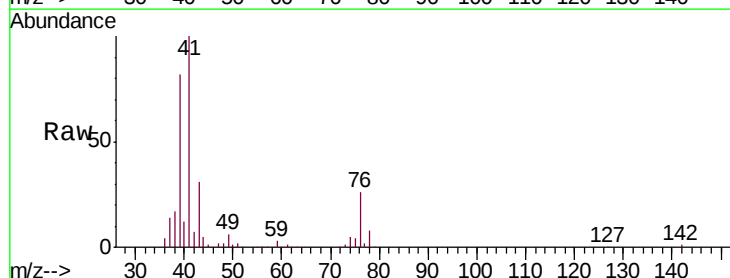
Tgt Ion: 41 Resp: 443153

Ion Ratio Lower Upper

41 100

39 82.3 65.9 98.9

76 25.6 19.9 29.9



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

300000

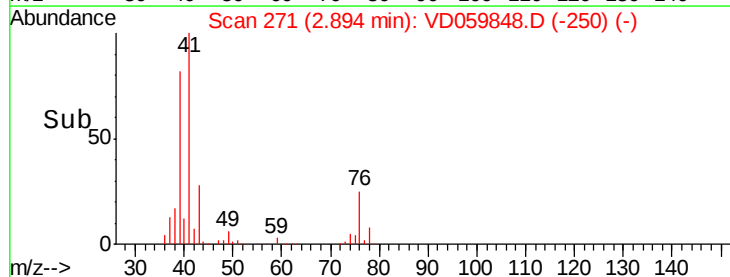
200000

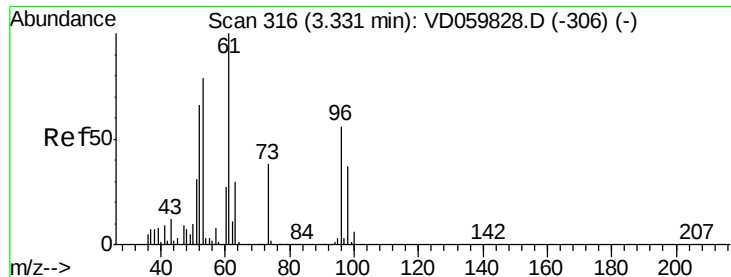
100000

0

Time-->

2.70 2.80 2.90 3.00





#15

Acrylonitrile

Concen: 238.651 ug/l

RT: 3.33 min Scan# 315

Delta R.T. -0.00 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

ClientSampleId :

BFB

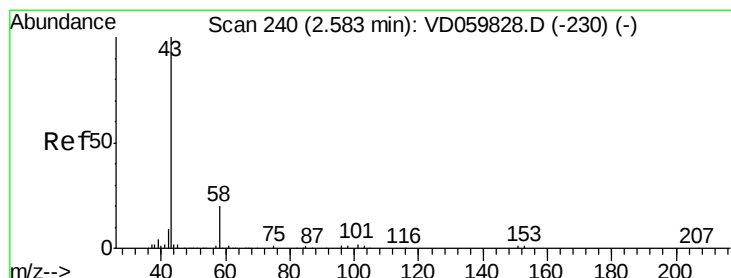
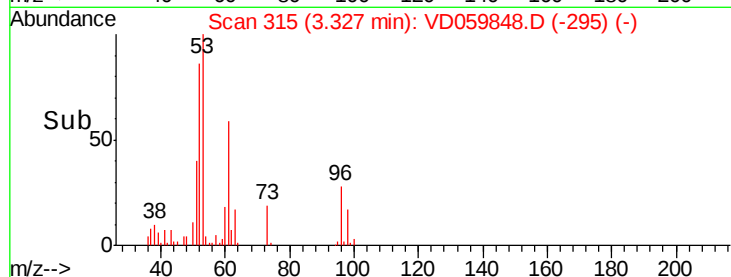
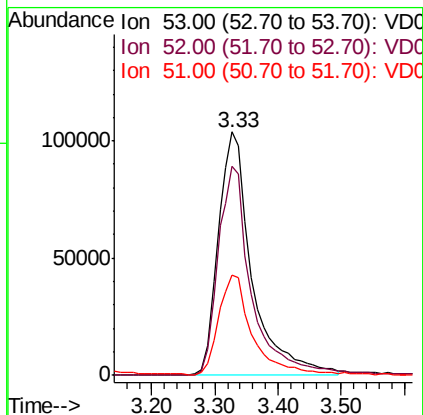
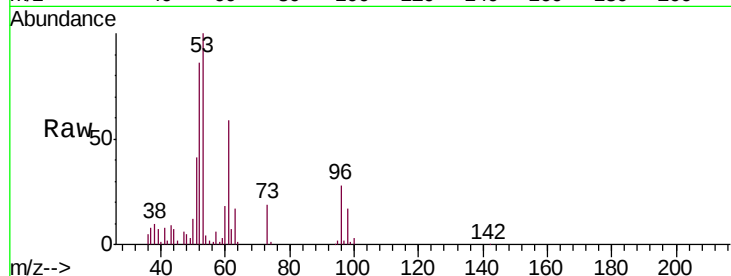
Tgt Ion: 53 Resp: 386513

Ion Ratio Lower Upper

53 100

52 86.1 66.8 100.2

51 41.3 31.6 47.4



#16

Acetone

Concen: 275.377 ug/l

RT: 2.58 min Scan# 239

Delta R.T. -0.00 min

Lab File: VD059848.D

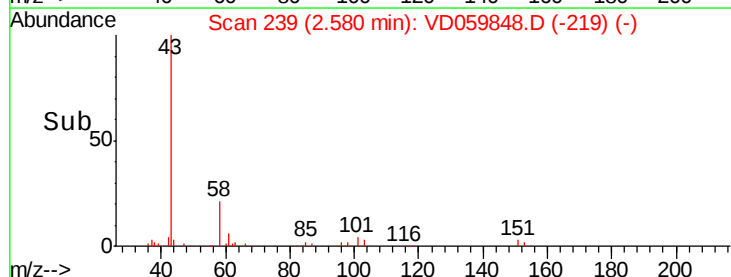
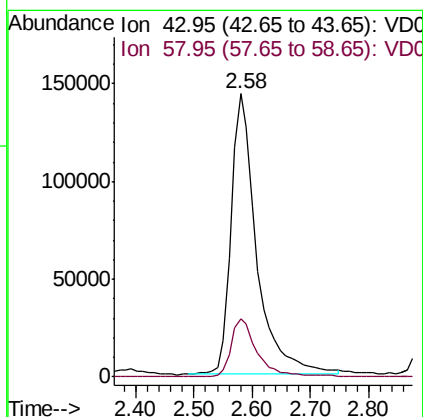
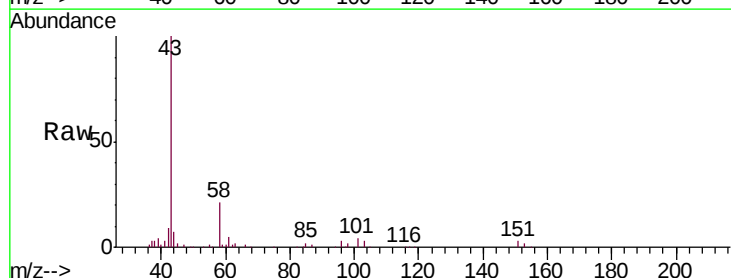
Acq: 21 Aug 2018 11:15

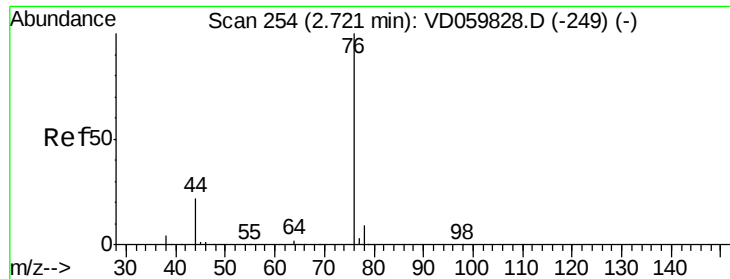
Tgt Ion: 43 Resp: 436896

Ion Ratio Lower Upper

43 100

58 20.6 16.2 24.2

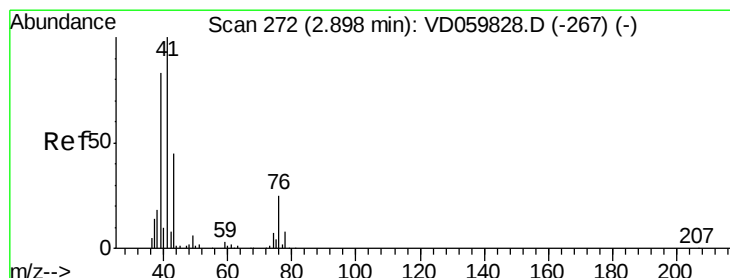
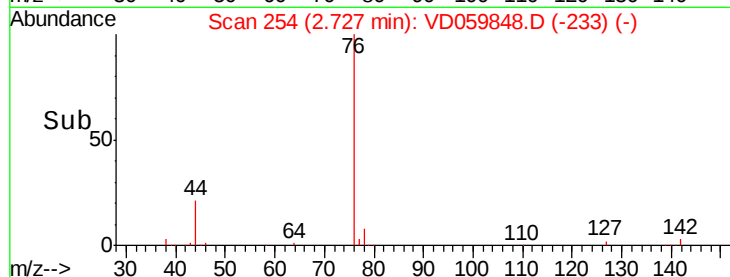
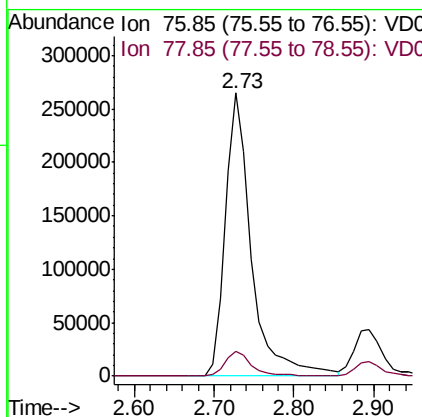
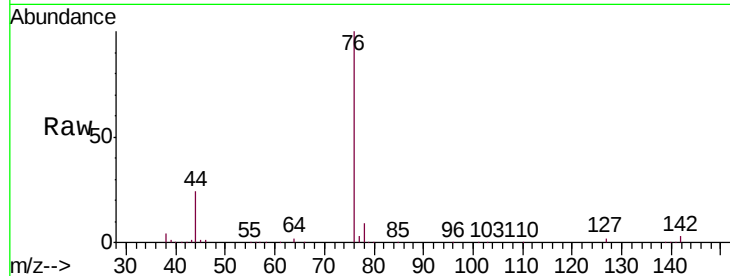




#17
Carbon Disulfide
Concen: 52.140 ug/l
RT: 2.73 min Scan# 254
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

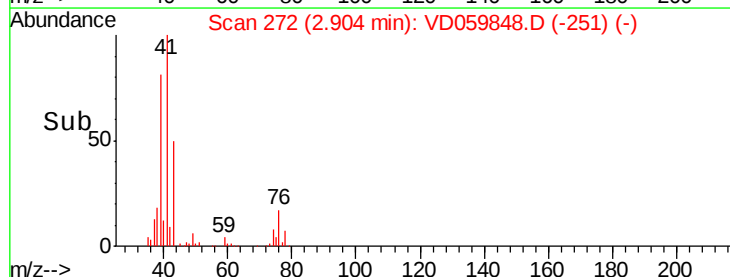
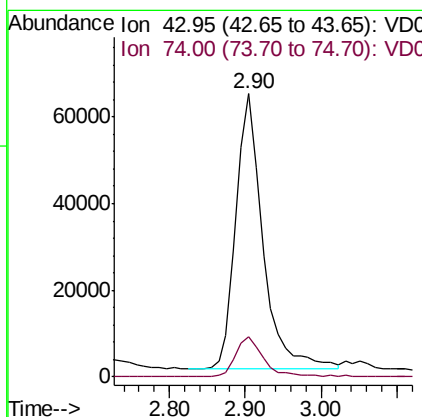
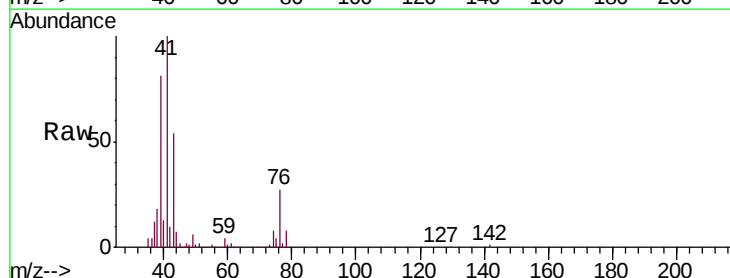
Instrument :
MSVOA_D
ClientSampleId :
BFB

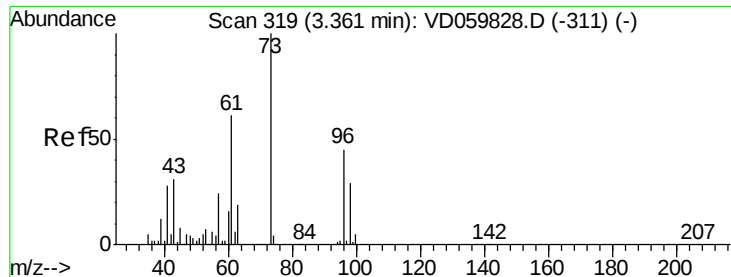
Tgt Ion: 76 Resp: 610071
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.6



#18
Methyl Acetate
Concen: 48.911 ug/l
RT: 2.90 min Scan# 272
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Tgt Ion: 43 Resp: 157015
Ion Ratio Lower Upper
43 100
74 14.3 11.4 17.0

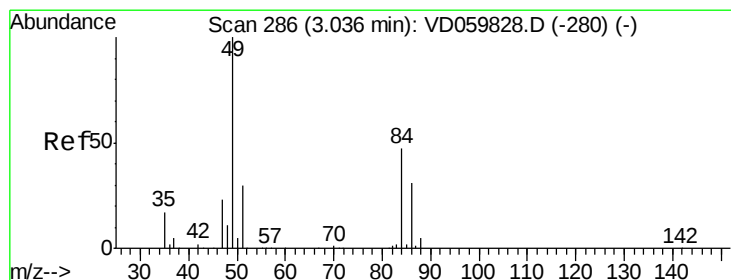
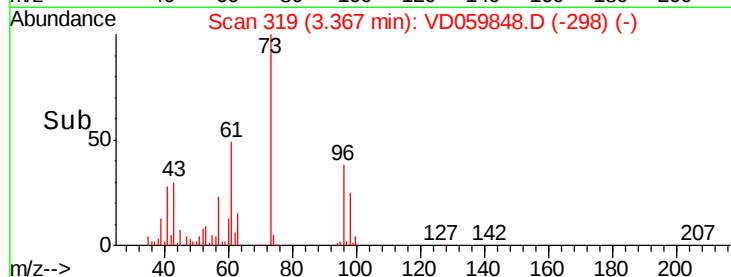
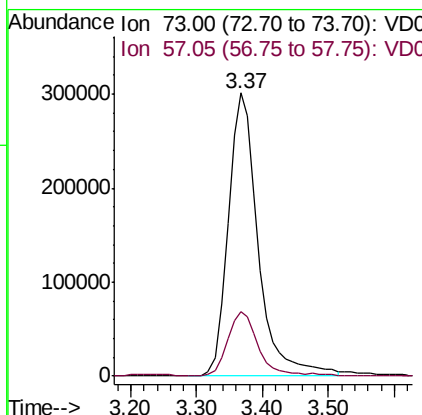
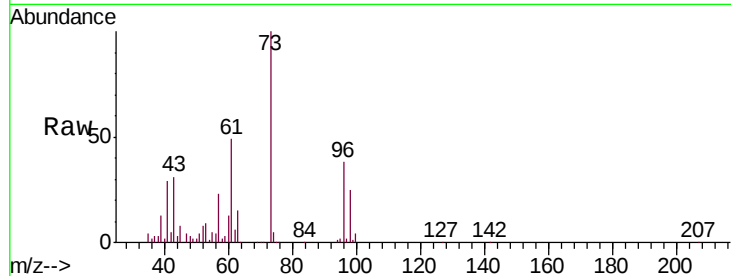




#19
Methyl tert-butyl Ether
Concen: 46.828 ug/l
RT: 3.37 min Scan# 319
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

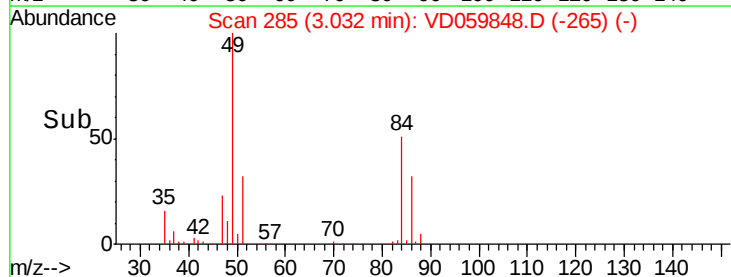
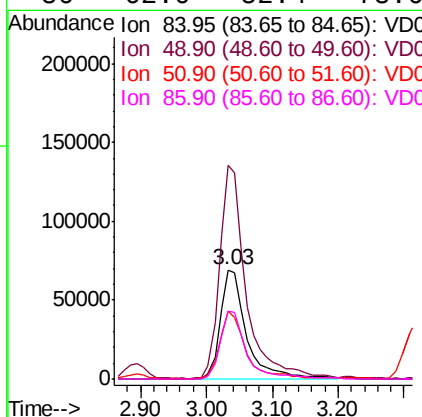
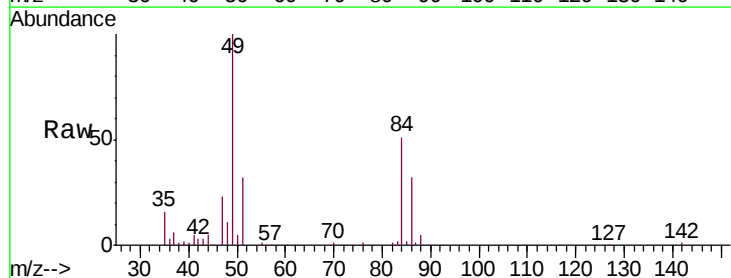
Instrument :
MSVOA_D
ClientSampleId :
BFB

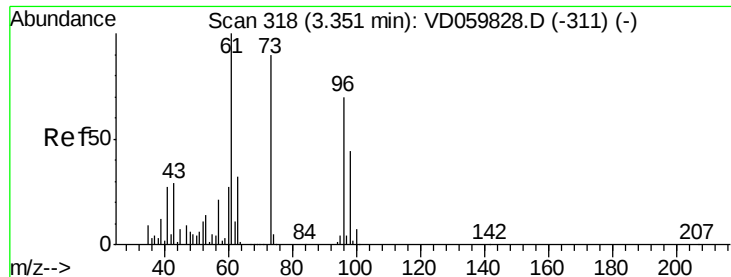
Tgt Ion: 73 Resp: 958425
Ion Ratio Lower Upper
73 100
57 22.9 19.4 29.0



#20
Methylene Chloride
Concen: 48.259 ug/l
RT: 3.03 min Scan# 285
Delta R.T. -0.00 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Tgt Ion: 84 Resp: 192052
Ion Ratio Lower Upper
84 100
49 196.2 170.4 255.6
51 62.4 51.4 77.0
86 62.0 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 49.748 ug/l

RT: 3.35 min Scan# 317

Delta R.T. -0.00 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

ClientSampleId :

BFB

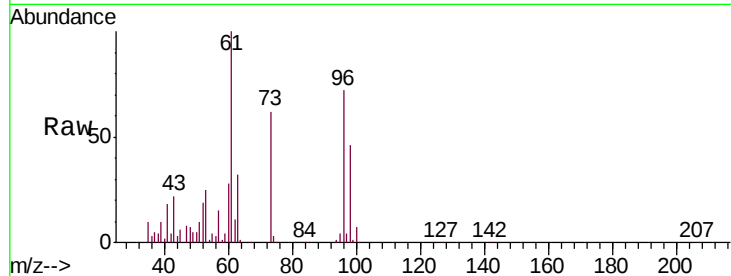
Tgt Ion: 96 Resp: 484141

Ion Ratio Lower Upper

96 100

61 139.7 114.1 171.1

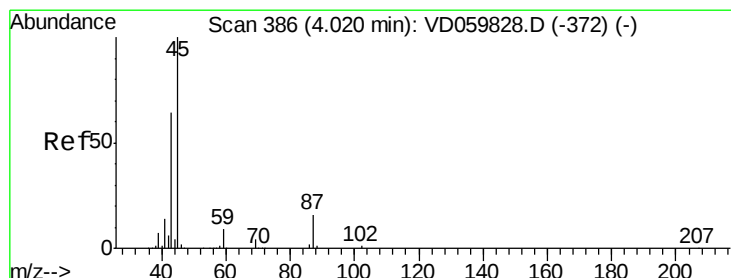
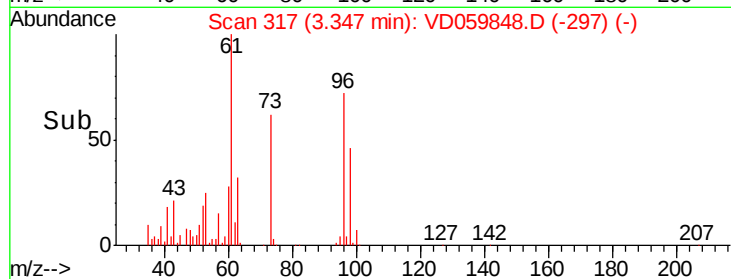
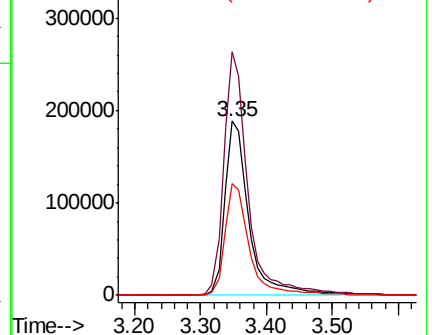
98 63.9 50.1 75.1



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: 47.830 ug/l

RT: 4.03 min Scan# 386

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Tgt Ion: 45 Resp: 2262444

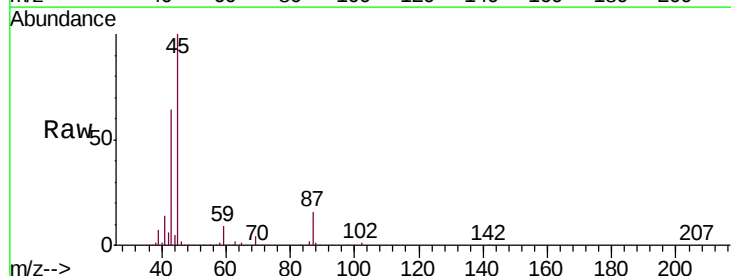
Ion Ratio Lower Upper

45 100

43 64.0 51.1 76.7

87 16.0 12.5 18.7

59 8.5 7.1 10.7

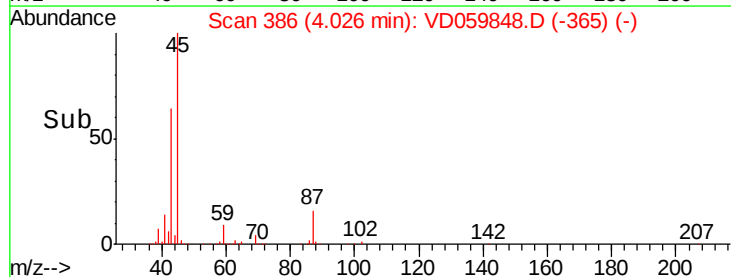
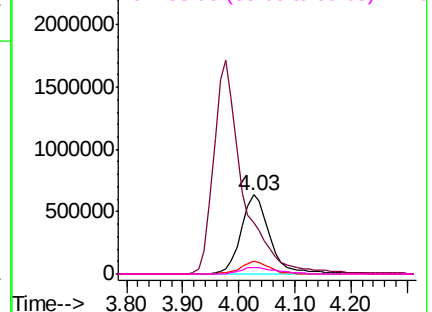


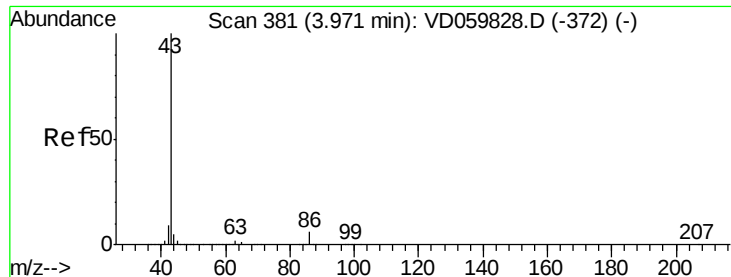
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 242.510 ug/l

RT: 3.98 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

ClientSampleId :

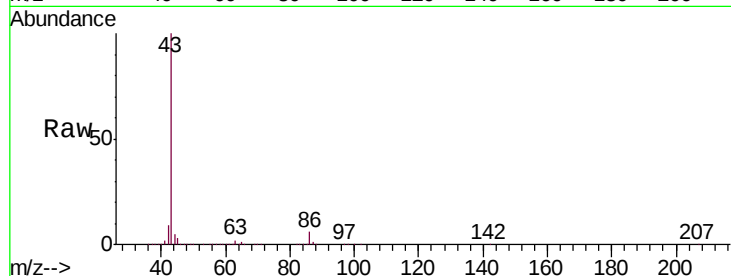
BFB

Tgt Ion: 43 Resp: 6162135

Ion Ratio Lower Upper

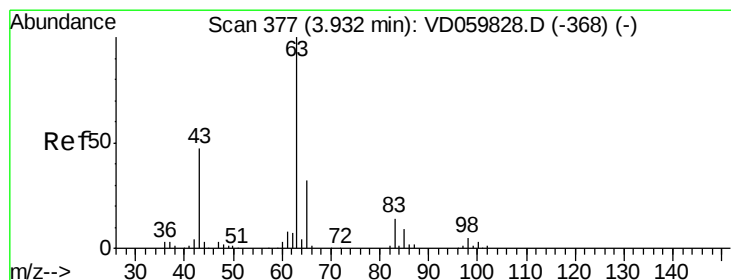
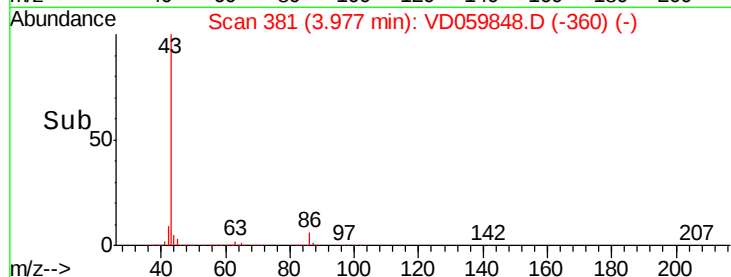
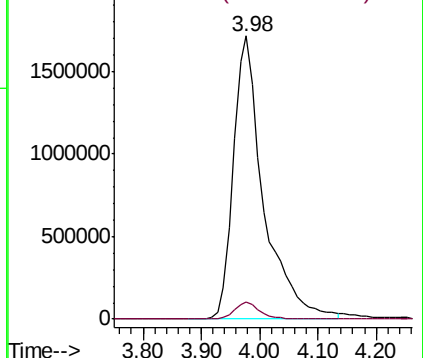
43 100

86 6.0 4.6 7.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 48.082 ug/l

RT: 3.93 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

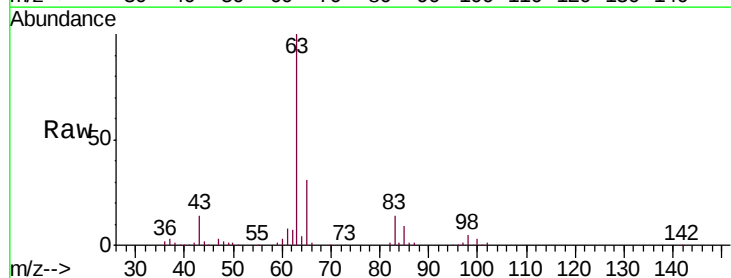
Tgt Ion: 63 Resp: 1000142

Ion Ratio Lower Upper

63 100

98 5.0 2.5 7.6

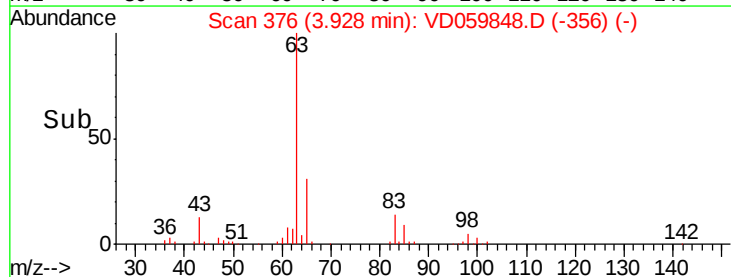
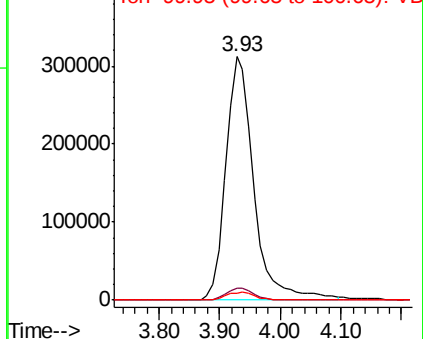
100 3.0 1.7 5.0

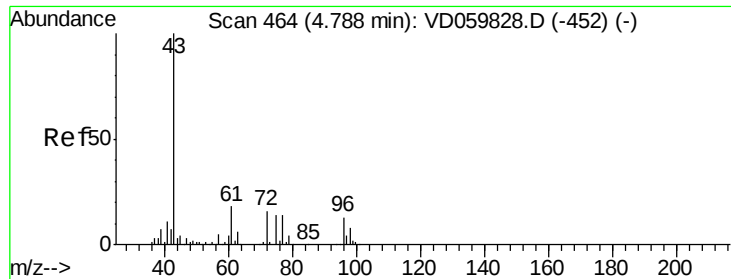


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 266.354 ug/l

RT: 4.79 min Scan# 464

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

ClientSampleId :

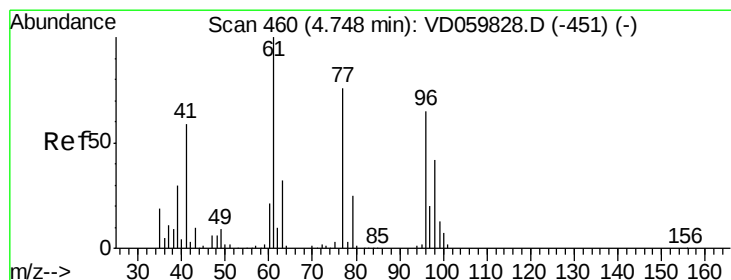
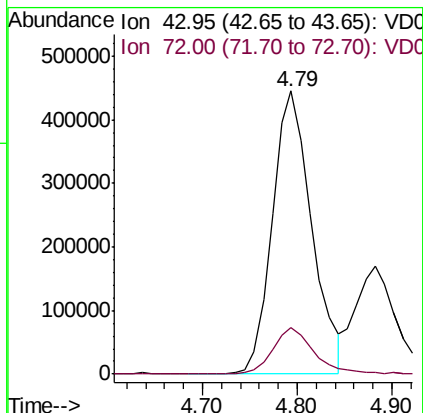
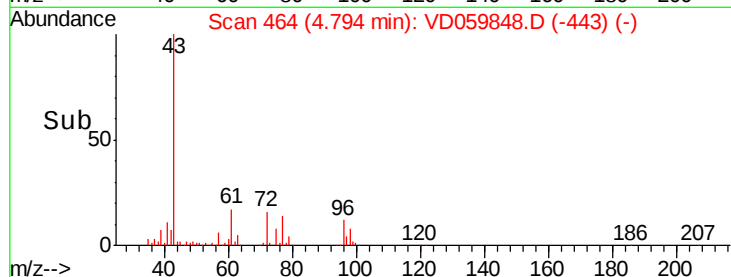
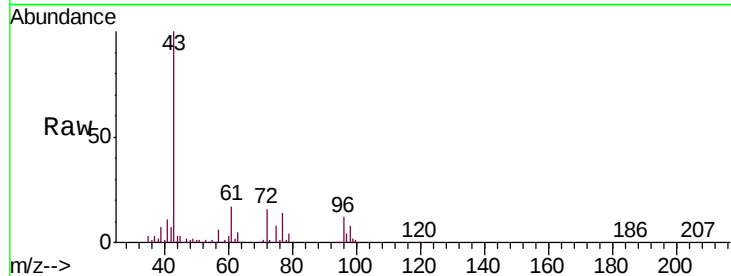
BFB

Tgt Ion: 43 Resp: 1277318

Ion Ratio Lower Upper

43 100

72 16.4 12.4 18.6



#26

2,2-Dichloropropane

Concen: 47.550 ug/l

RT: 4.75 min Scan# 460

Delta R.T. 0.01 min

Lab File: VD059848.D

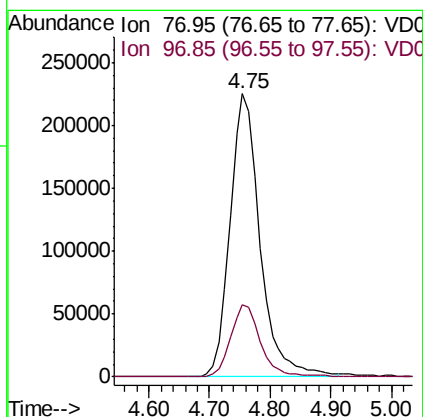
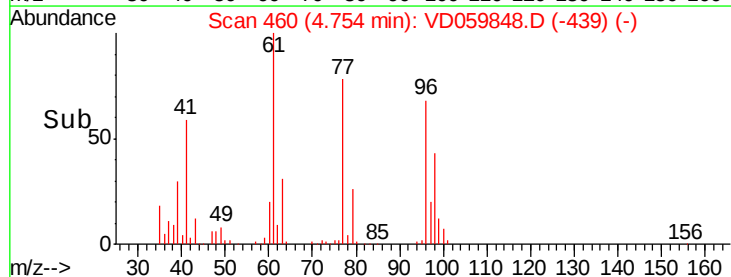
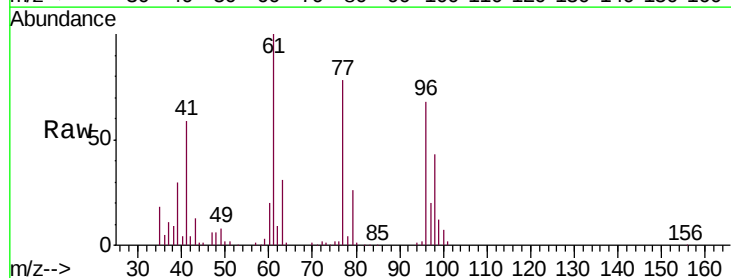
Acq: 21 Aug 2018 11:15

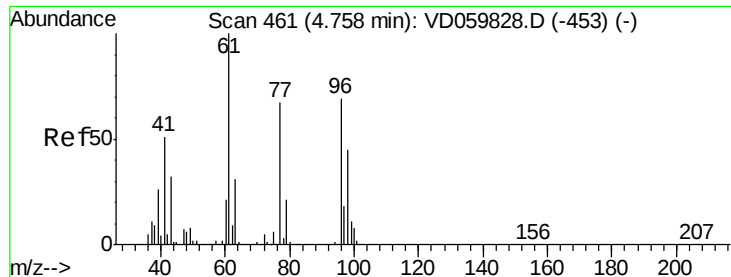
Tgt Ion: 77 Resp: 776064

Ion Ratio Lower Upper

77 100

97 25.6 13.0 38.9



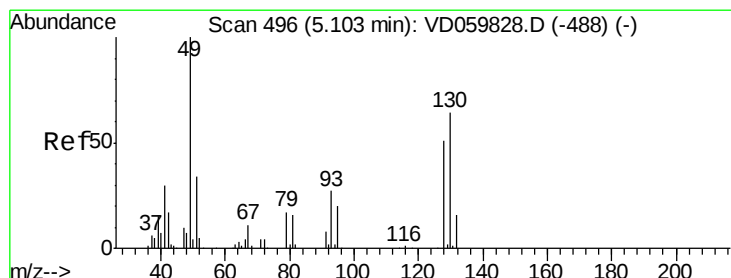
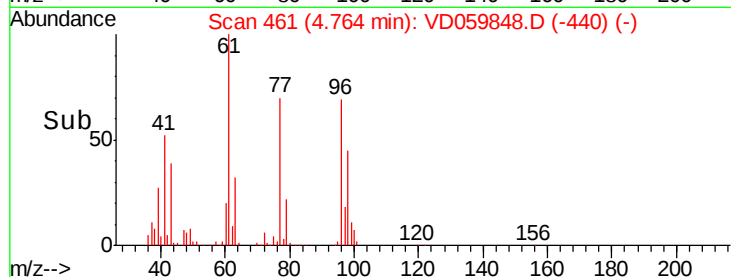
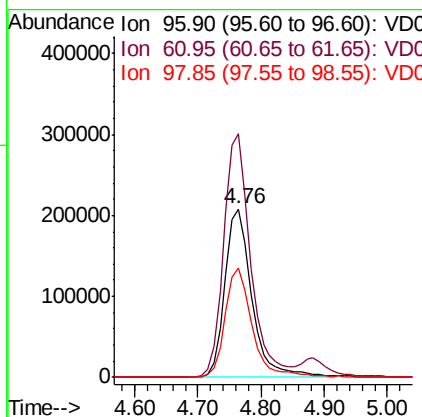
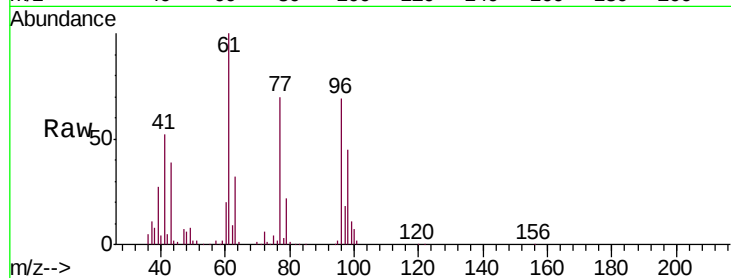


#27

cis-1,2-Dichloroethene
 Concen: 49.901 ug/l
 RT: 4.76 min Scan# 461
 Delta R.T. 0.01 min
 Lab File: VD059848.D
 Acq: 21 Aug 2018 11:15

Instrument :
 MSVOA_D
 ClientSampled :
 BFB

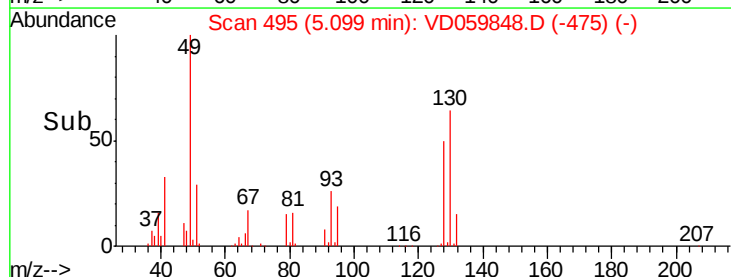
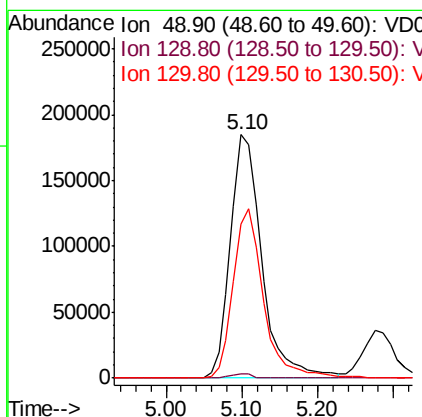
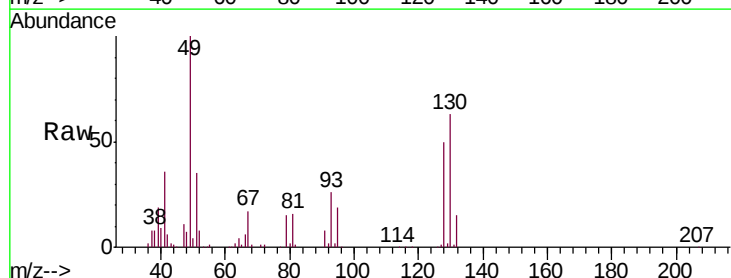
Tgt Ion: 96 Resp: 617786
 Ion Ratio Lower Upper
 96 100
 61 144.9 0.0 291.8
 98 65.2 0.0 131.6

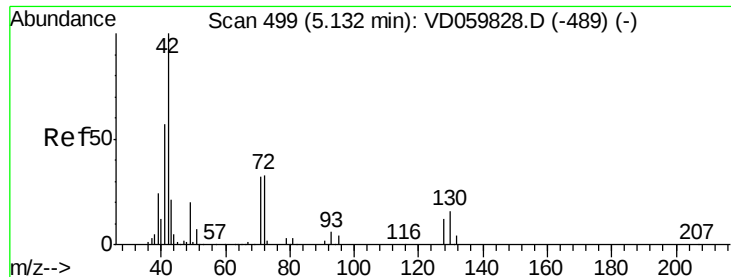


#28

Bromochloromethane
 Concen: 50.435 ug/l
 RT: 5.10 min Scan# 495
 Delta R.T. -0.00 min
 Lab File: VD059848.D
 Acq: 21 Aug 2018 11:15

Tgt Ion: 49 Resp: 531603
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 3.8
 130 63.4 51.0 76.6

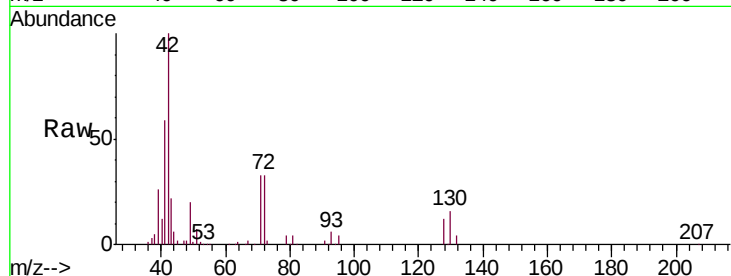




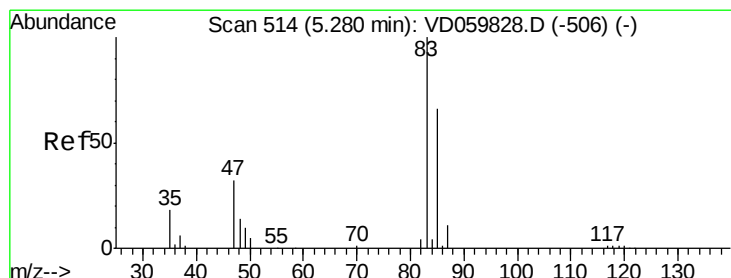
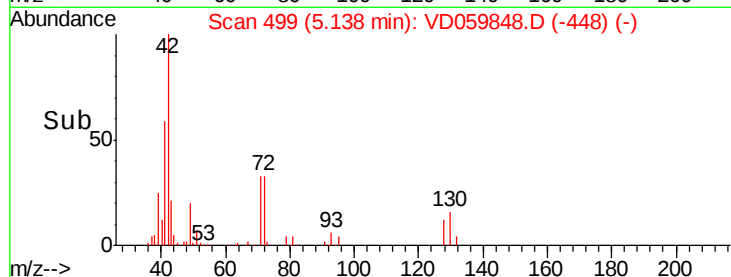
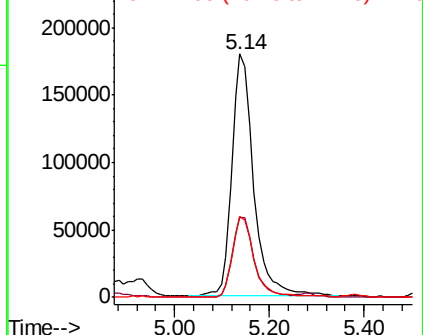
#29
Tetrahydrofuran
Concen: 236.053 ug/l
RT: 5.14 min Scan# 499
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Instrument :
MSVOA_D
ClientSampleId :
BFB

Tgt Ion: 42 Resp: 573168
Ion Ratio Lower Upper
42 100
72 33.1 25.8 38.6
71 33.2 25.7 38.5

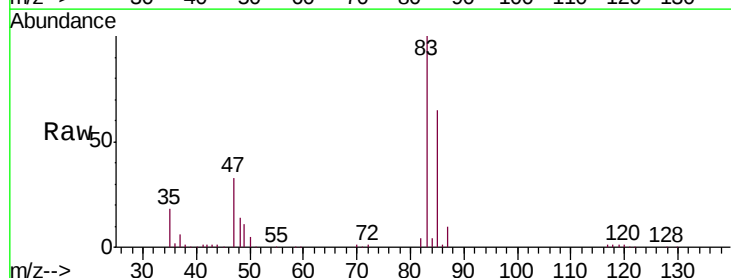


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

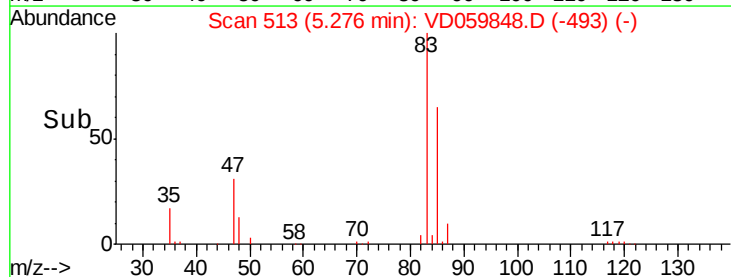
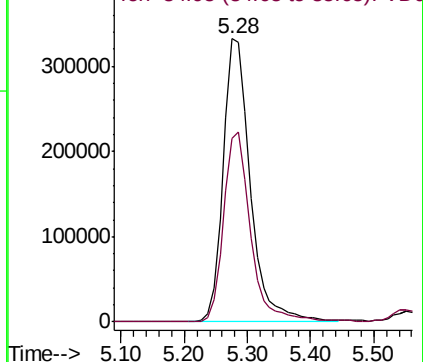


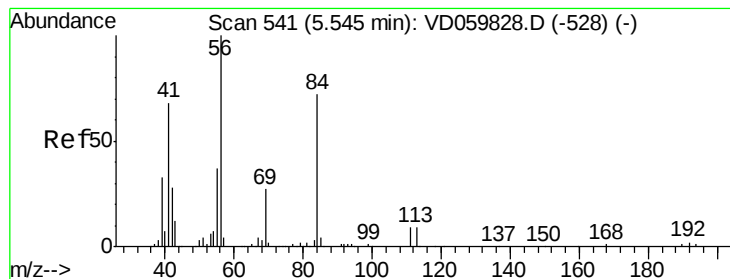
#30
Chloroform
Concen: 48.476 ug/l
RT: 5.28 min Scan# 513
Delta R.T. -0.00 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Tgt Ion: 83 Resp: 995140
Ion Ratio Lower Upper
83 100
85 65.0 52.9 79.3



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





#31

Cyclohexane

Concen: 50.100 ug/l

RT: 5.55 min Scan# 541

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

ClientSampleId :

BFB

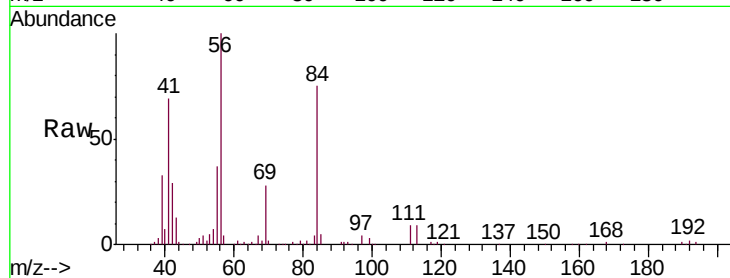
Tgt Ion: 56 Resp: 864889

Ion Ratio Lower Upper

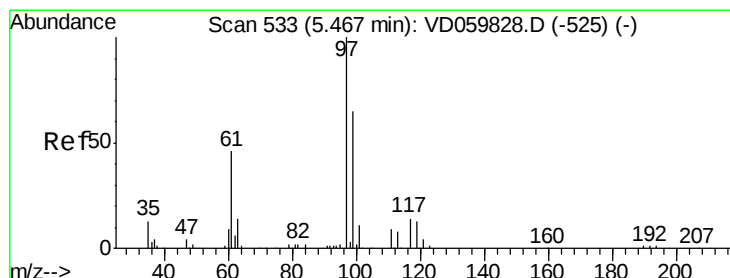
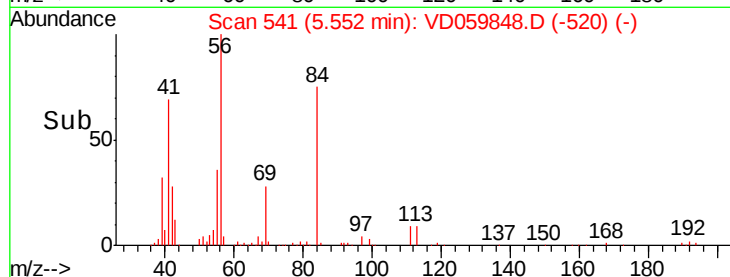
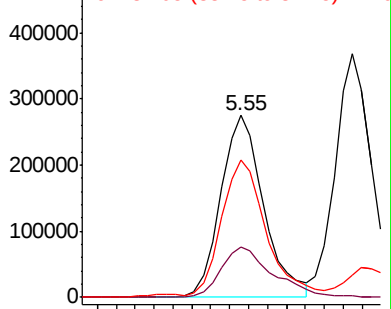
56 100

69 27.5 21.7 32.5

84 75.3 57.8 86.6



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



#32

1,1,1-Trichloroethane

Concen: 49.246 ug/l

RT: 5.47 min Scan# 533

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

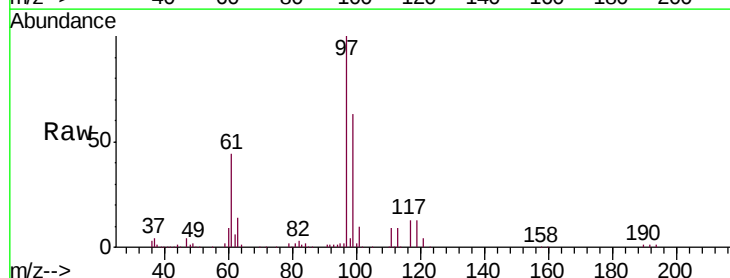
Tgt Ion: 97 Resp: 851885

Ion Ratio Lower Upper

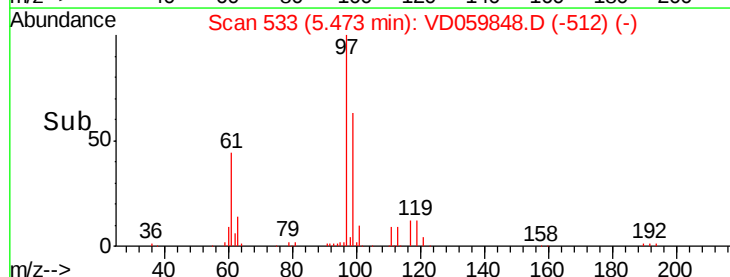
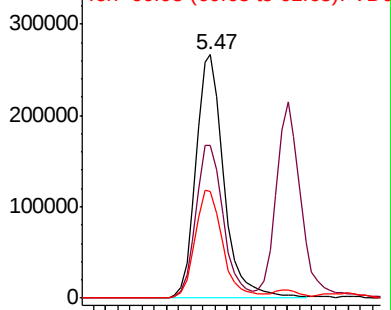
97 100

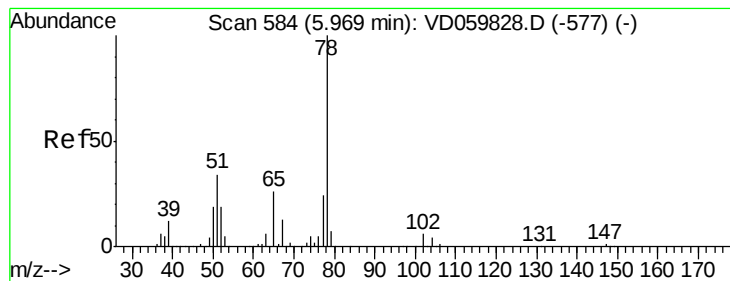
99 62.7 51.9 77.9

61 43.8 37.0 55.6



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





#33

1,2-Dichloroethane-d4

Concen: 49.246 ug/l

RT: 5.97 min Scan# 584

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

ClientSampleId :

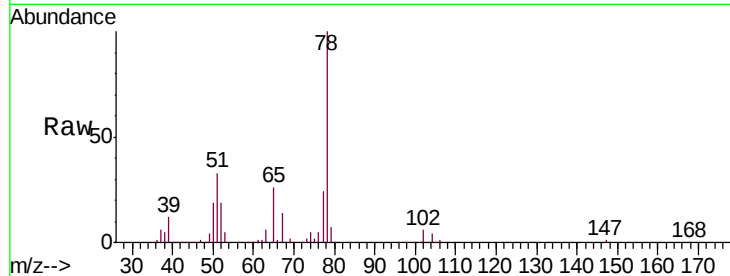
BFB

Tgt Ion: 65 Resp: 471128

Ion Ratio Lower Upper

65 100

67 51.4 0.0 102.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

200000

150000

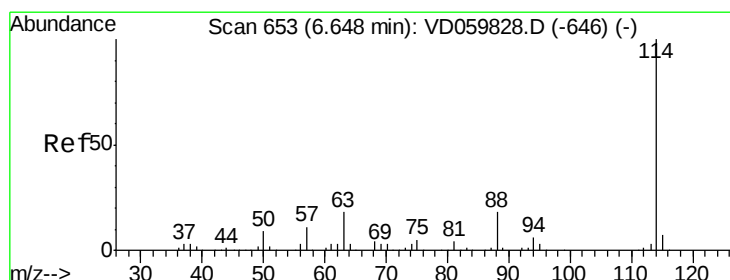
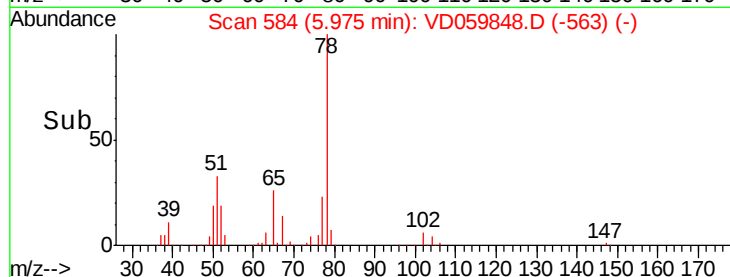
100000

50000

0

5.90 6.00 6.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.65 min Scan# 653

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

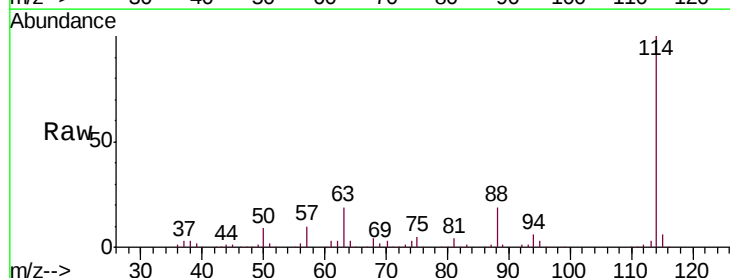
Tgt Ion: 114 Resp: 1650655

Ion Ratio Lower Upper

114 100

63 18.6 0.0 37.0

88 18.6 0.0 37.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

800000

600000

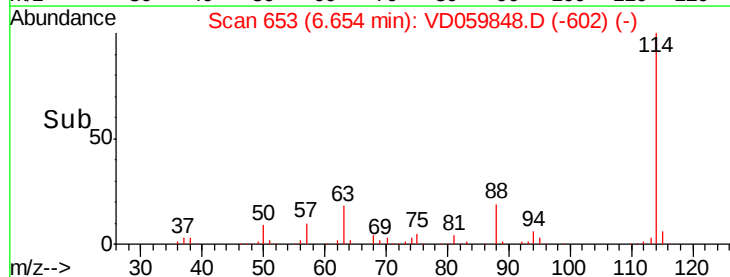
400000

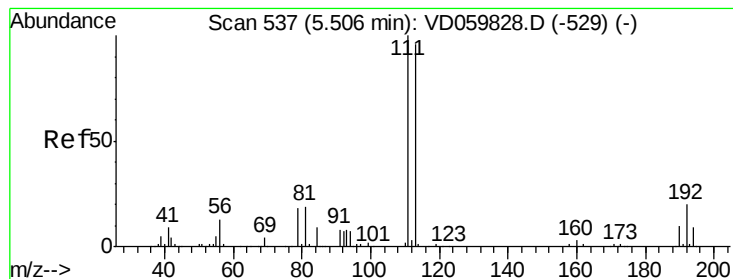
200000

0

6.60 6.80 7.00

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.51 min Scan# 537

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

ClientSampleId :

BFB

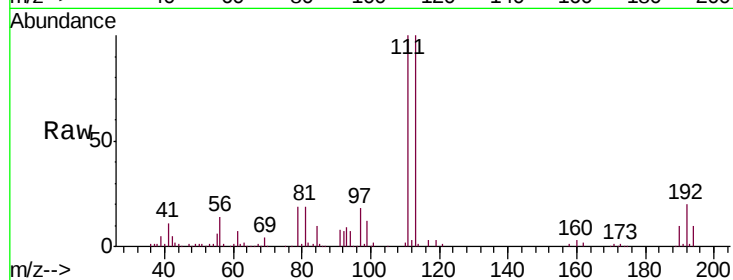
Tgt Ion:113 Resp: 651508

Ion Ratio Lower Upper

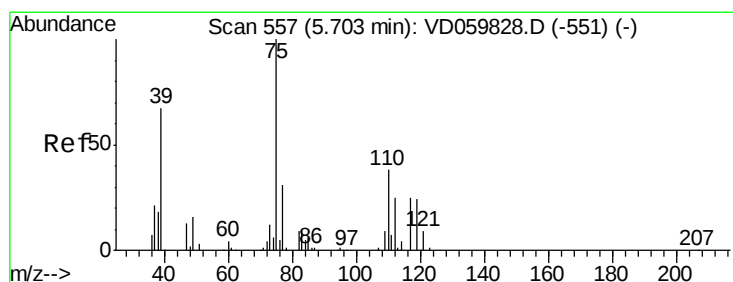
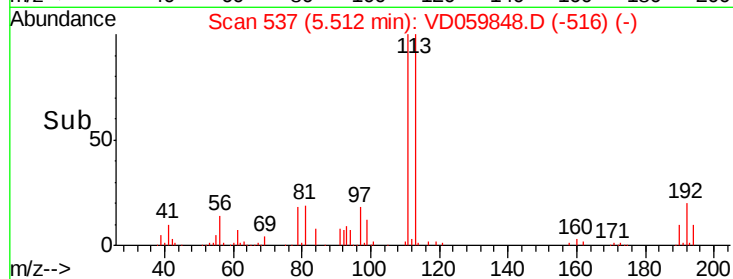
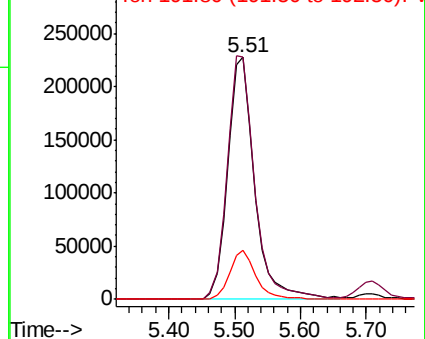
113 100

111 100.3 83.3 124.9

192 20.5 16.8 25.2



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



#36

1,1-Dichloropropene

Concen: 51.600 ug/l

RT: 5.71 min Scan# 557

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

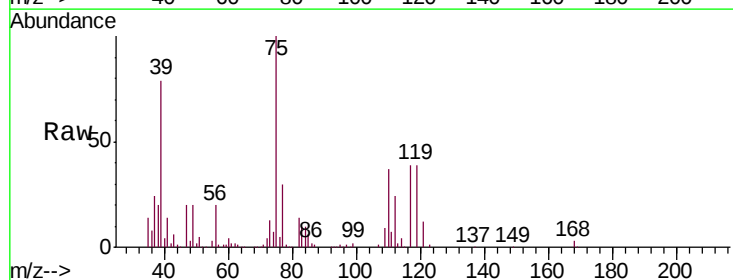
Tgt Ion: 75 Resp: 722337

Ion Ratio Lower Upper

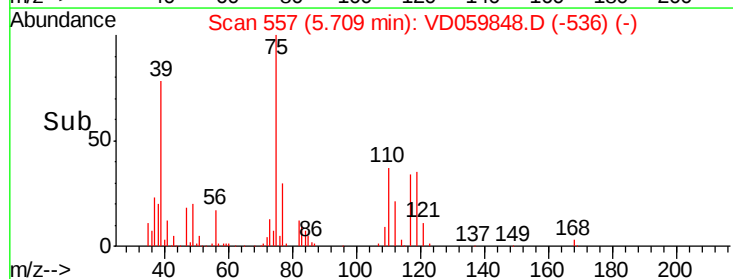
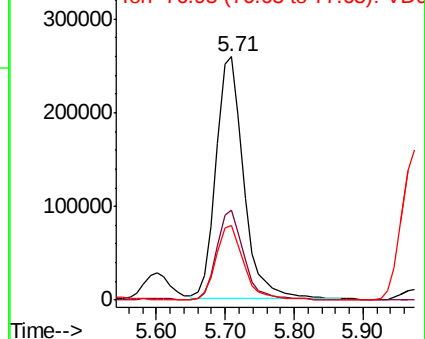
75 100

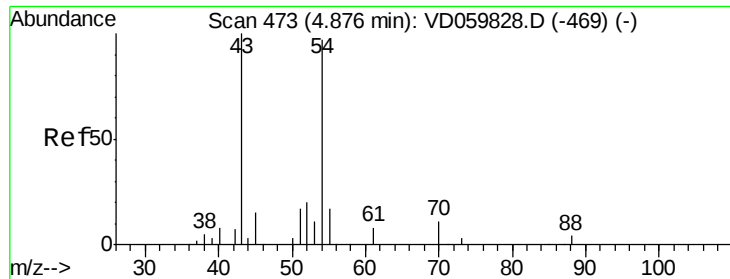
110 37.0 18.8 56.4

77 30.4 24.9 37.3



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

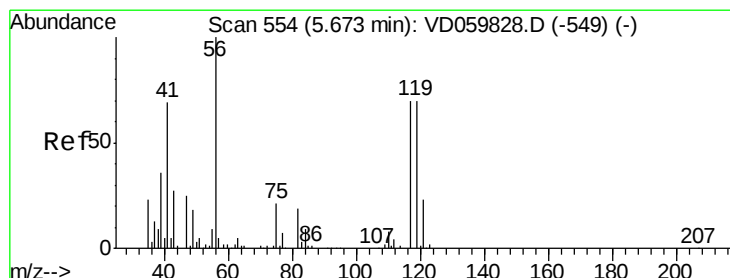
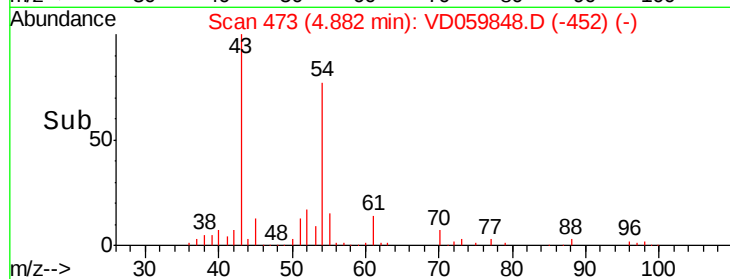
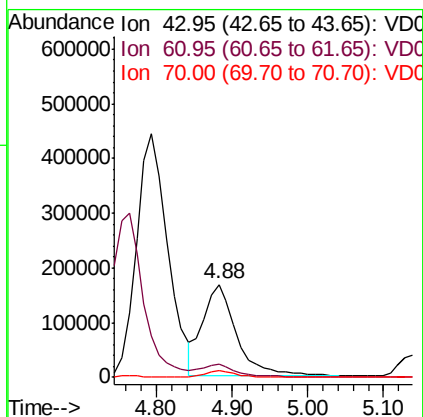
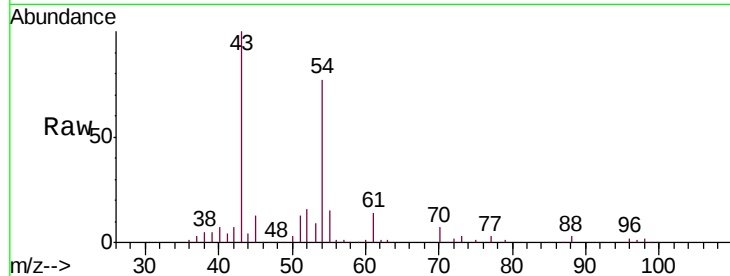




#37
Ethyl Acetate
Concen: 50.510 ug/l
RT: 4.88 min Scan# 473
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

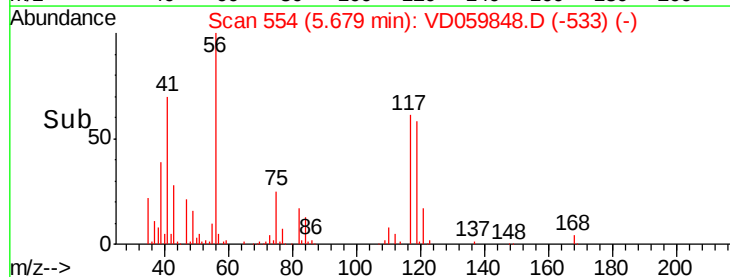
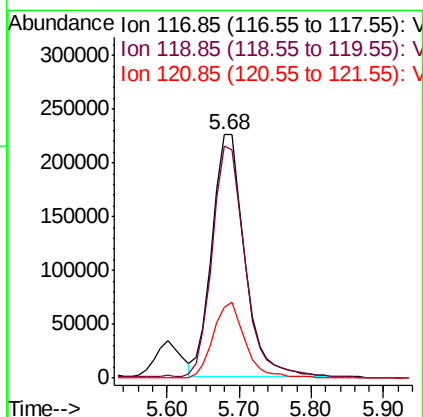
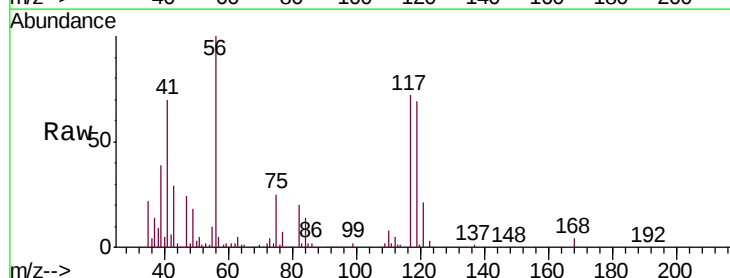
Instrument :
MSVOA_D
ClientSampled :
BFB

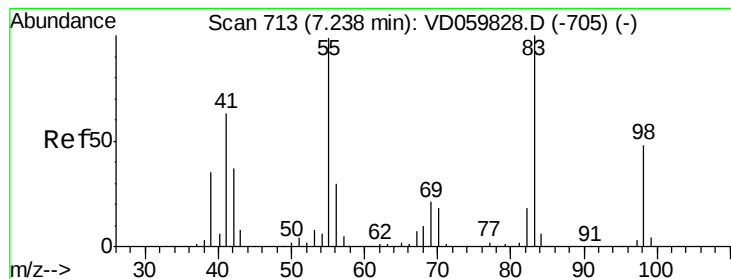
Tgt Ion: 43 Resp: 524163
Ion Ratio Lower Upper
43 100
61 14.1 10.4 15.6
70 7.3 6.2 9.2



#38
Carbon Tetrachloride
Concen: 50.137 ug/l
RT: 5.68 min Scan# 554
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Tgt Ion: 117 Resp: 700513
Ion Ratio Lower Upper
117 100
119 95.5 77.0 115.4
121 29.2 24.7 37.1





#39

Methylcyclohexane

Concen: 52.271 ug/l

RT: 7.24 min Scan# 713

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

ClientSampled :

BFB

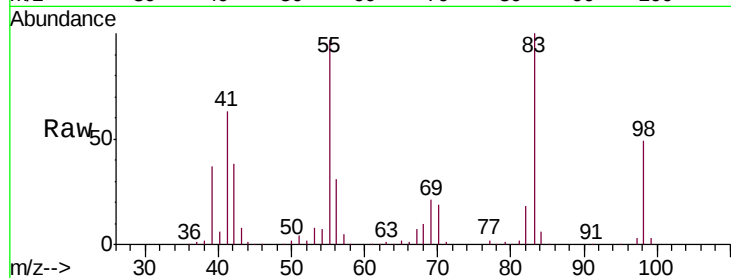
Tgt Ion: 83 Resp: 782675

Ion Ratio Lower Upper

83 100

55 97.1 79.0 118.6

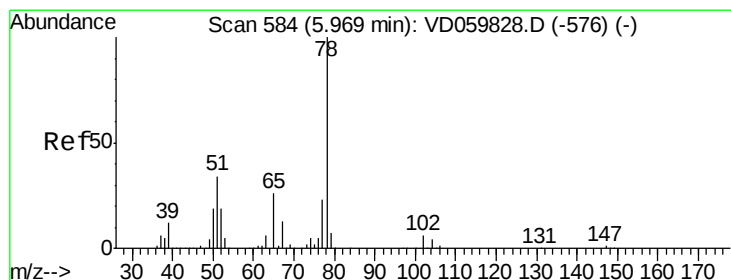
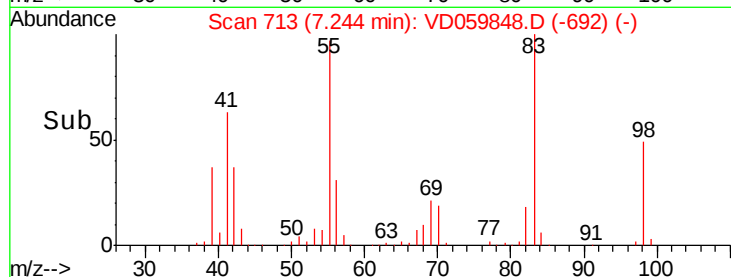
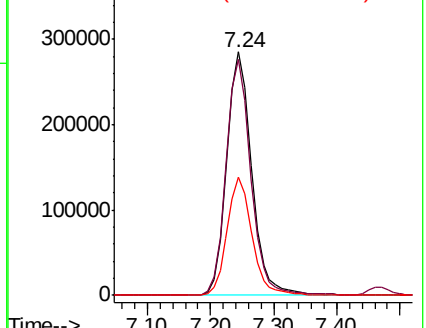
98 48.8 38.1 57.1



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 51.300 ug/l

RT: 5.97 min Scan# 584

Delta R.T. 0.01 min

Lab File: VD059848.D

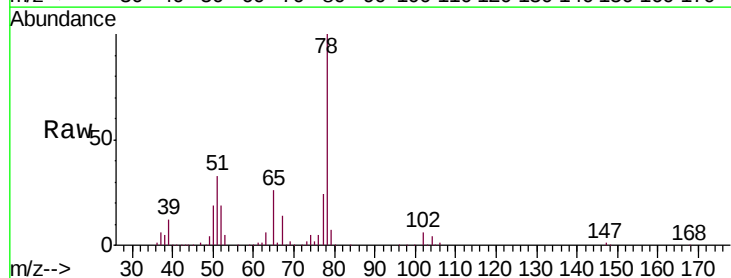
Acq: 21 Aug 2018 11:15

Tgt Ion: 78 Resp: 1860562

Ion Ratio Lower Upper

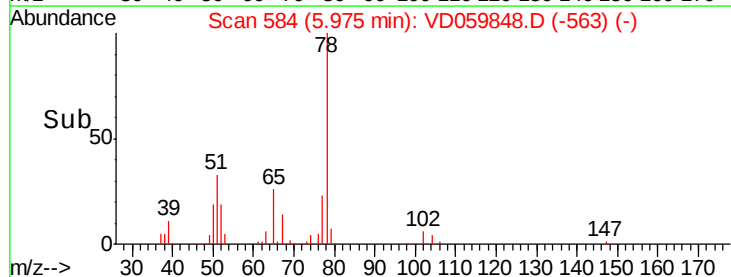
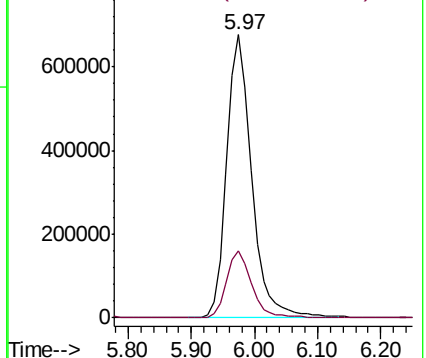
78 100

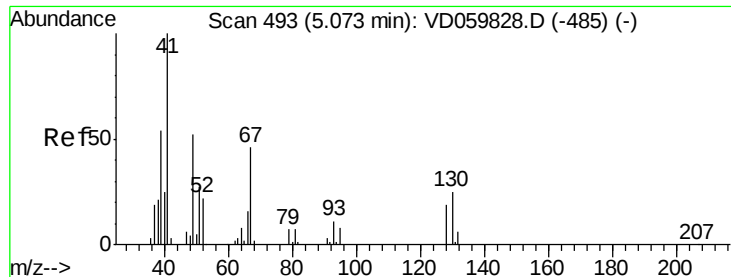
77 23.7 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

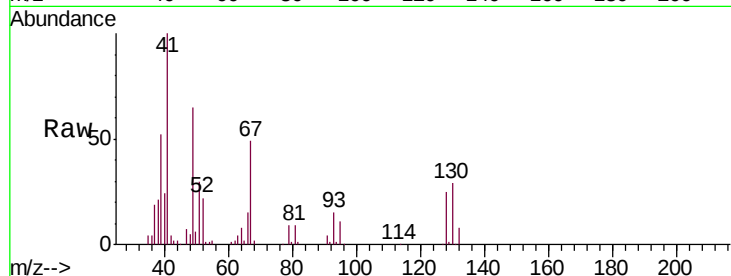




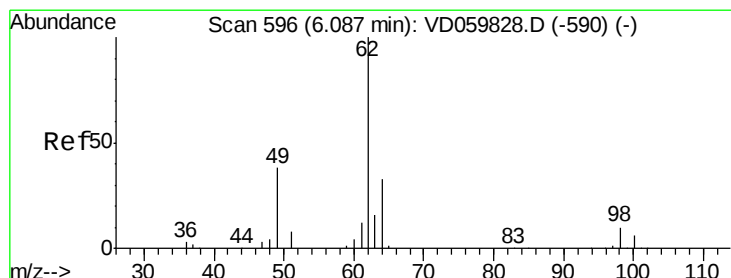
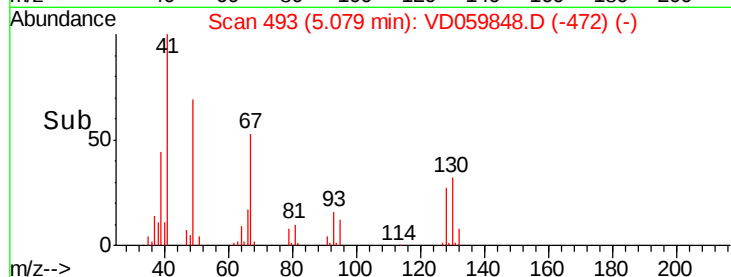
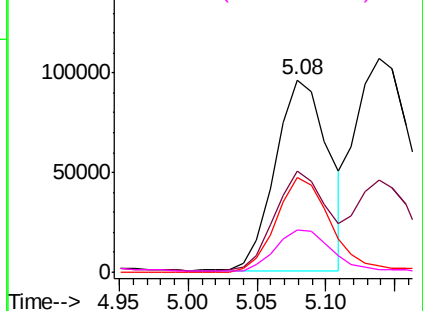
#41
Methacrylonitrile
Concen: 48.470 ug/l
RT: 5.08 min Scan# 493
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Instrument :
MSVOA_D
ClientSampleId :
BFB

Tgt Ion:	41	Resp:	257673
Ion	Ratio	Lower	Upper
41	100		
39	52.5	43.0	64.6
67	48.9	36.7	55.1
52	22.2	18.0	27.0

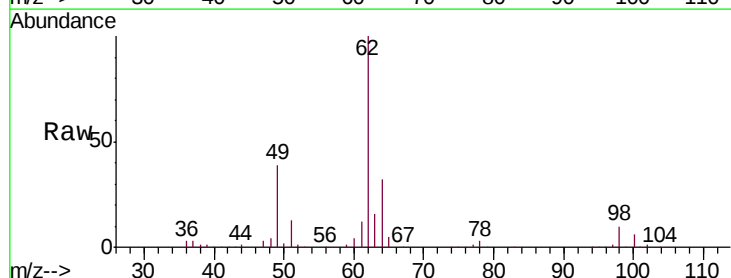


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

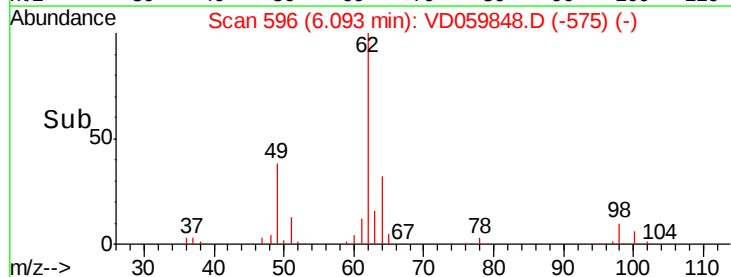
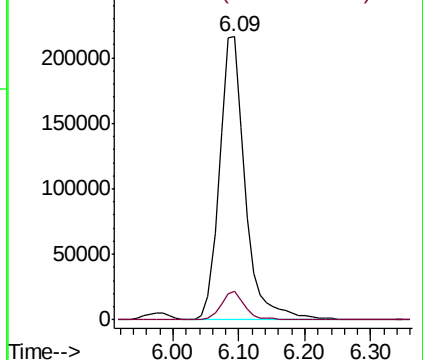


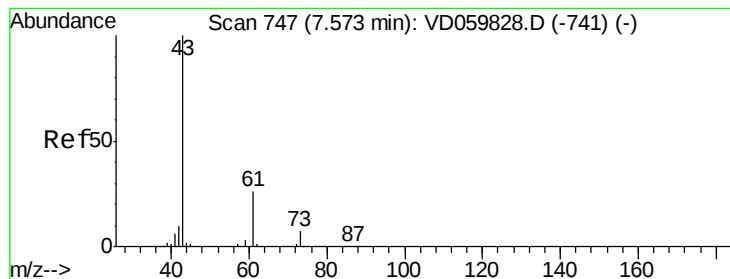
#42
1,2-Dichloroethane
Concen: 49.339 ug/l
RT: 6.09 min Scan# 596
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Tgt Ion:	62	Resp:	582705
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.4



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





#43

Isopropyl Acetate

Concen: 48.843 ug/l

RT: 7.58 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

ClientSampleId :

BFB

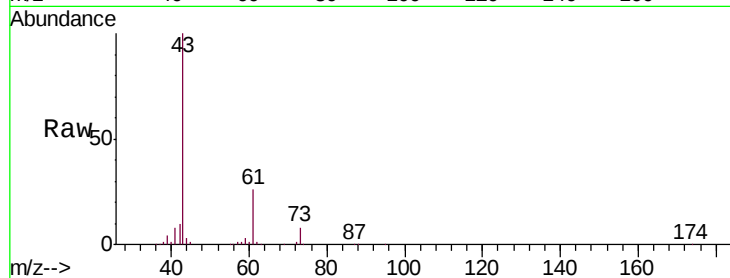
Tgt Ion: 43 Resp: 701061

Ion Ratio Lower Upper

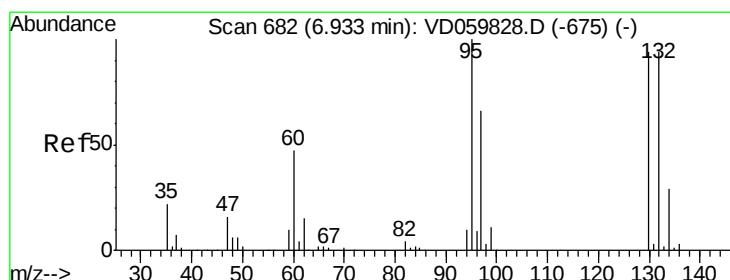
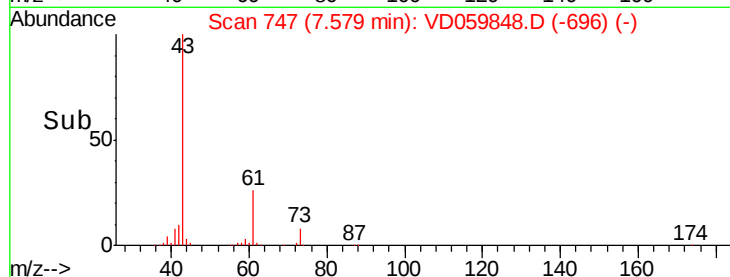
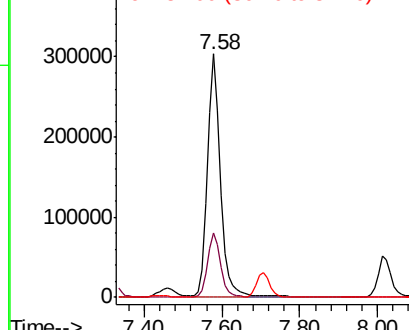
43 100

61 26.3 21.0 31.4

87 0.2 0.2 0.4



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: 52.356 ug/l

RT: 6.94 min Scan# 682

Delta R.T. 0.01 min

Lab File: VD059848.D

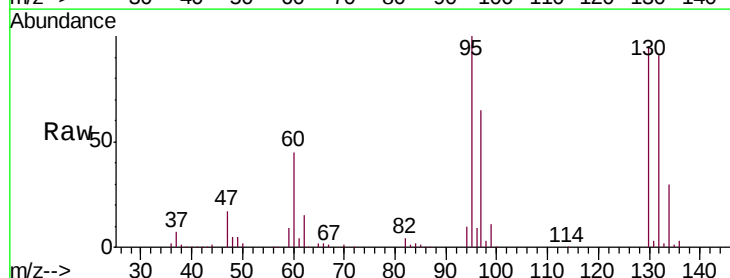
Acq: 21 Aug 2018 11:15

Tgt Ion: 130 Resp: 564749

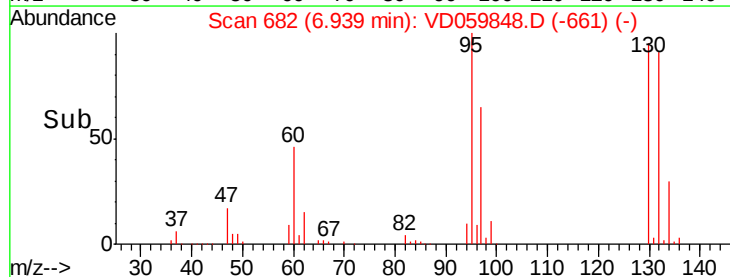
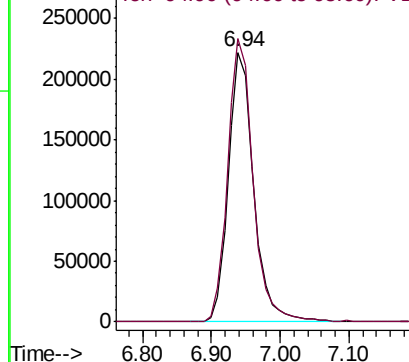
Ion Ratio Lower Upper

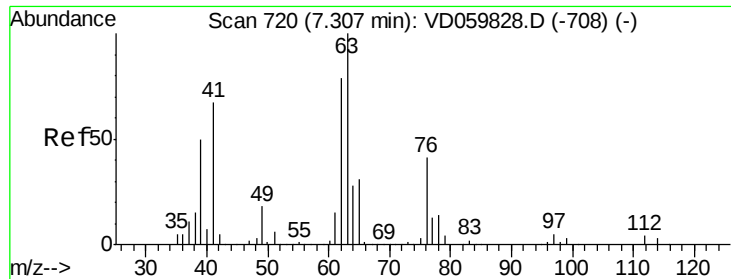
130 100

95 105.0 0.0 213.0



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

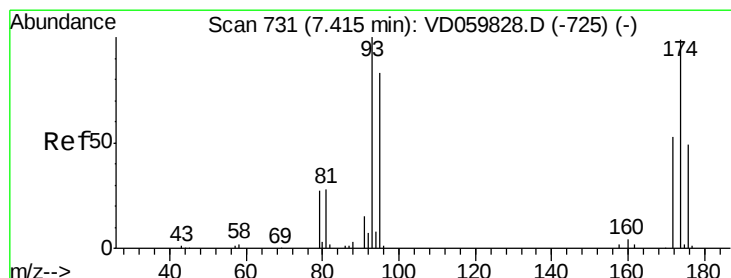
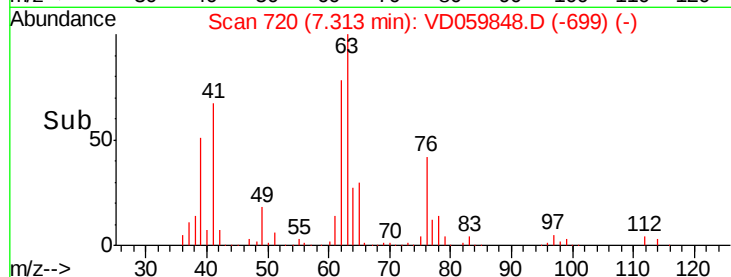
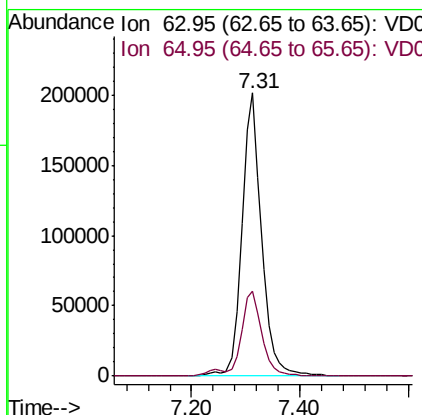
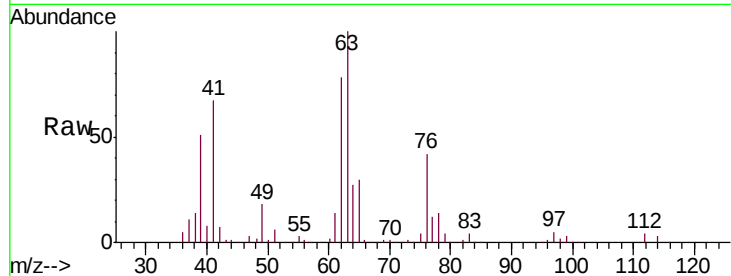




#45
 1,2-Dichloropropane
 Concen: 47.605 ug/l
 RT: 7.31 min Scan# 720
 Delta R.T. 0.01 min
 Lab File: VD059848.D
 Acq: 21 Aug 2018 11:15

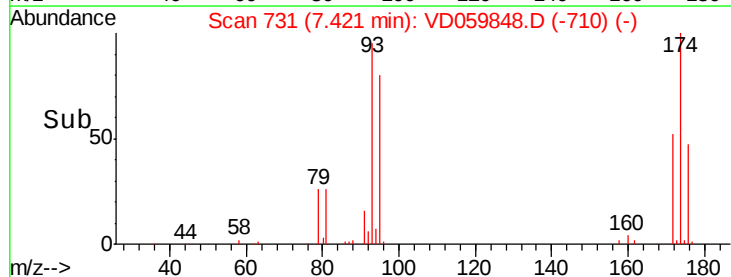
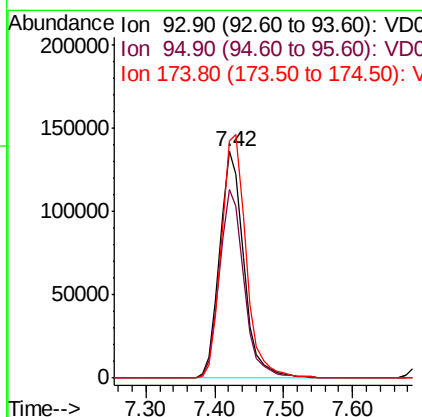
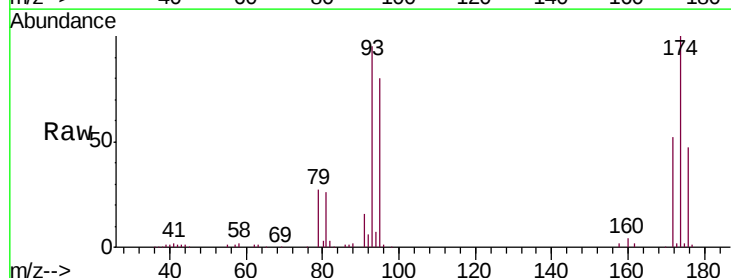
Instrument :
 MSVOA_D
 ClientSampled :
 BFB

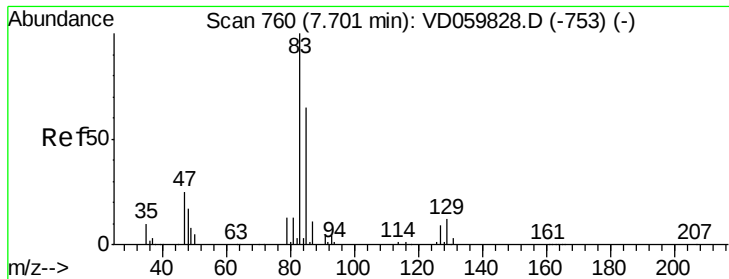
Tgt Ion: 63 Resp: 507002
 Ion Ratio Lower Upper
 63 100
 65 29.9 24.5 36.7



#46
 Dibromomethane
 Concen: 50.044 ug/l
 RT: 7.42 min Scan# 731
 Delta R.T. 0.01 min
 Lab File: VD059848.D
 Acq: 21 Aug 2018 11:15

Tgt Ion: 93 Resp: 331841
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.3 99.5
 174 104.9 79.4 119.0





#47

Bromodichloromethane

Concen: 49.343 ug/l

RT: 7.71 min Scan# 760

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

ClientSampleId :

BFB

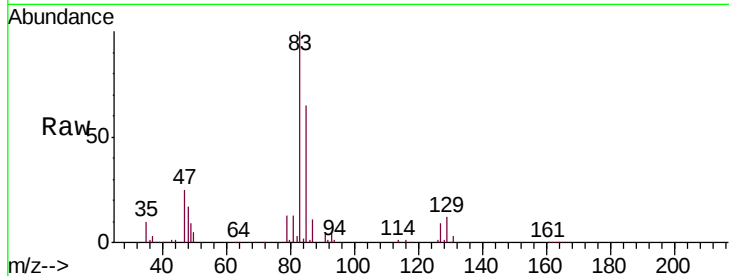
Tgt Ion: 83 Resp: 722393

Ion Ratio Lower Upper

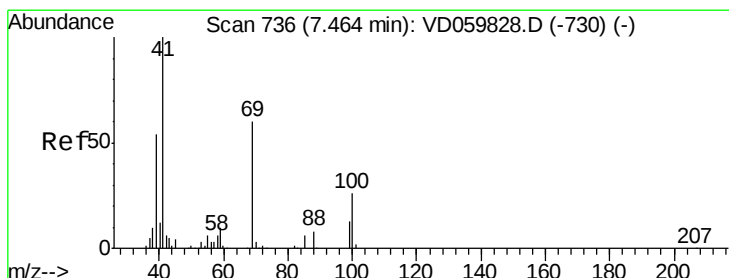
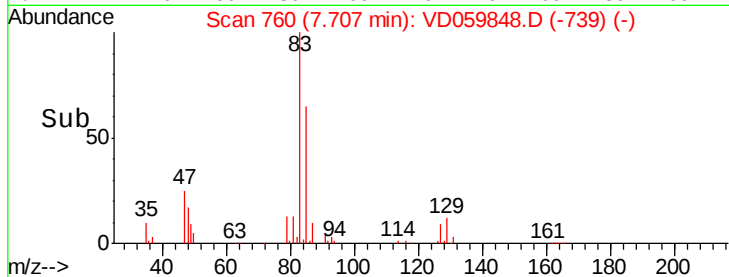
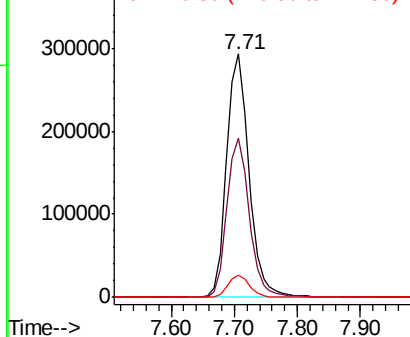
83 100

85 65.3 52.2 78.4

127 9.3 7.1 10.7



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: 48.857 ug/l

RT: 7.47 min Scan# 736

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

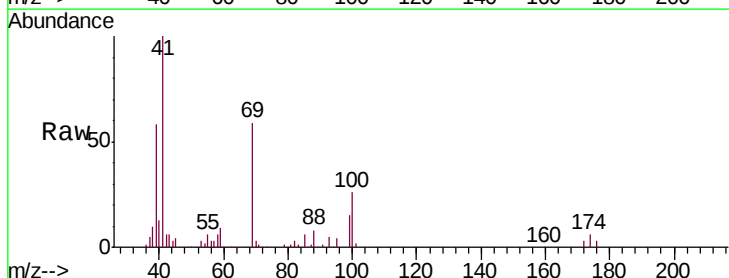
Tgt Ion: 41 Resp: 386762

Ion Ratio Lower Upper

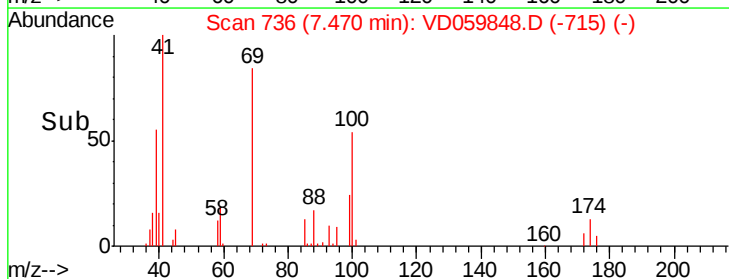
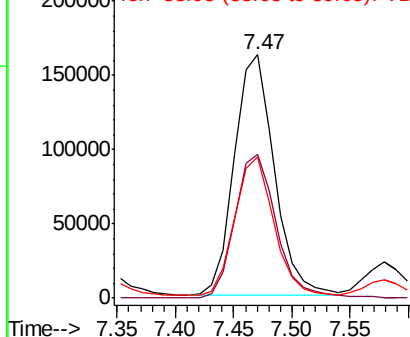
41 100

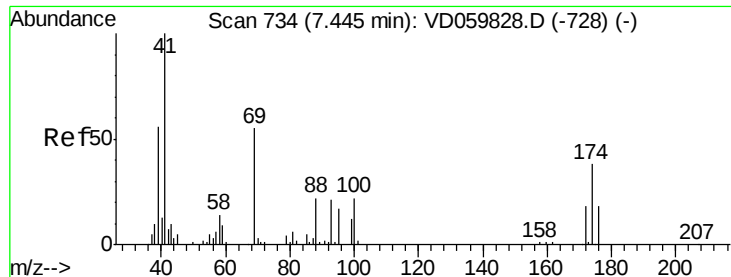
69 59.0 47.0 70.4

39 58.0 43.4 65.2



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: 1090.240 ug/l

RT: 7.45 min Scan# 734

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

ClientSampleId :

BFB

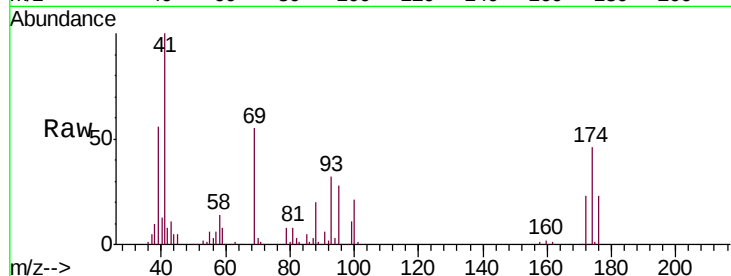
Tgt Ion: 88 Resp: 73037

Ion Ratio Lower Upper

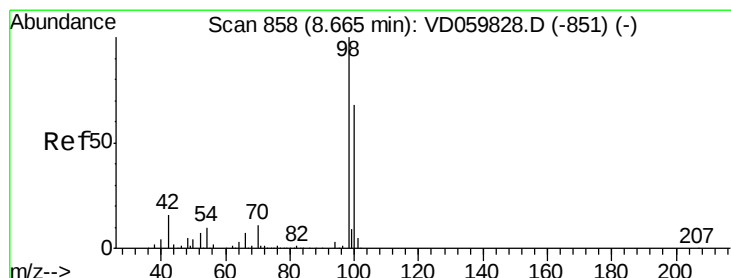
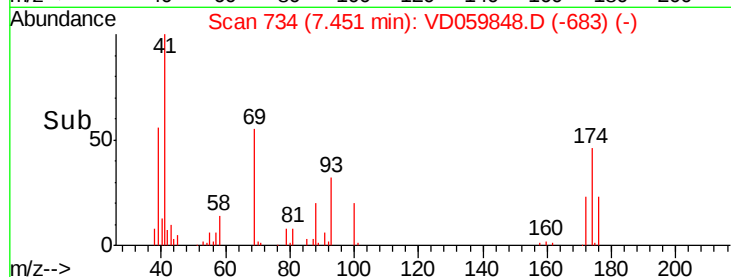
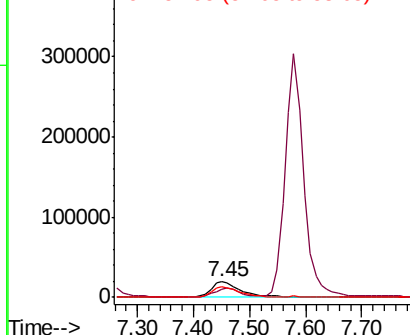
88 100

43 53.4 41.4 62.0

58 67.0 52.4 78.6



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



#50

Toluene-d8

Concen: 1090.240 ug/l

RT: 8.67 min Scan# 858

Delta R.T. 0.01 min

Lab File: VD059848.D

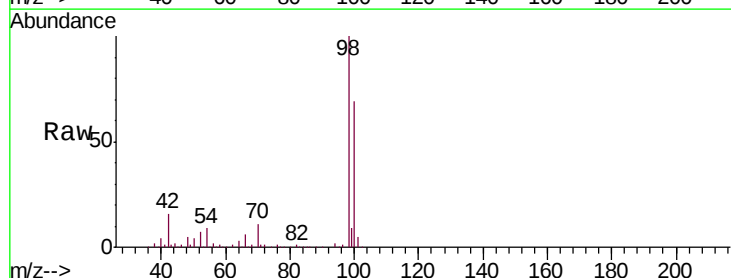
Acq: 21 Aug 2018 11:15

Tgt Ion: 98 Resp: 1715322

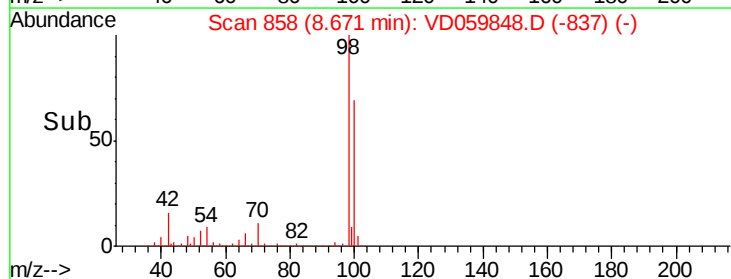
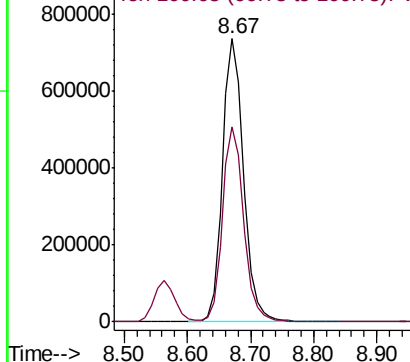
Ion Ratio Lower Upper

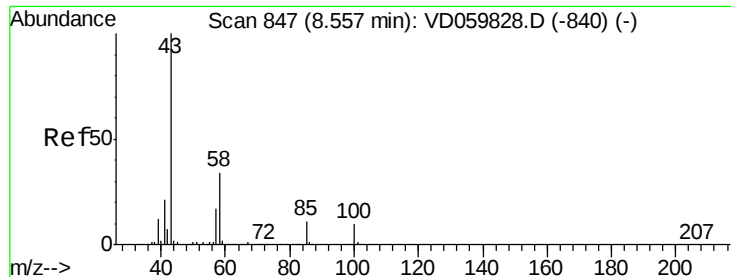
98 100

100 68.8 55.0 82.4



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





#51

4-Methyl-2-Pentanone

Concen: 269.069 ug/l

RT: 8.56 min Scan# 847

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

ClientSampleId :

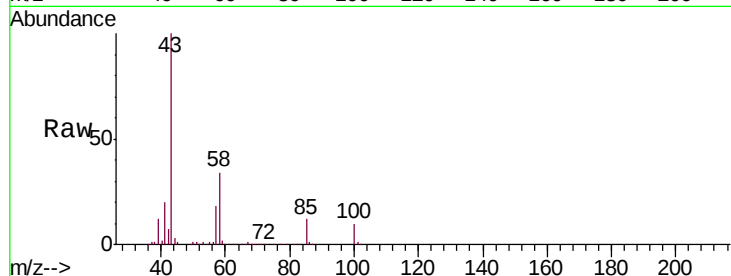
BFB

Tgt Ion: 43 Resp: 2581972

Ion Ratio Lower Upper

43 100

58 33.7 27.0 40.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

1200000

1000000

800000

600000

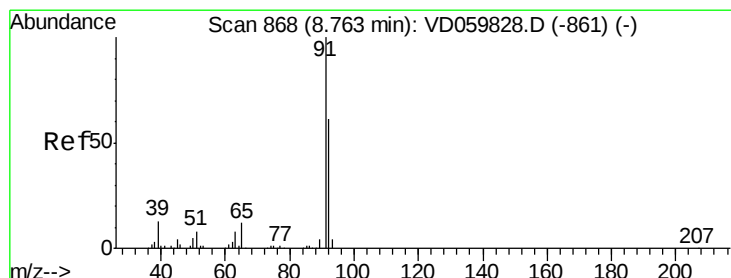
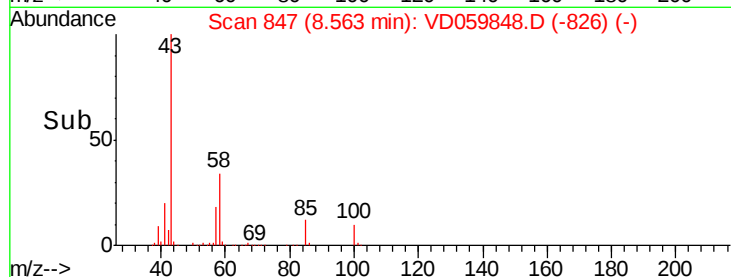
400000

200000

0

Time--> 8.40 8.50 8.60 8.70

8.56



#52

Toluene

Concen: 51.225 ug/l

RT: 8.77 min Scan# 868

Delta R.T. 0.01 min

Lab File: VD059848.D

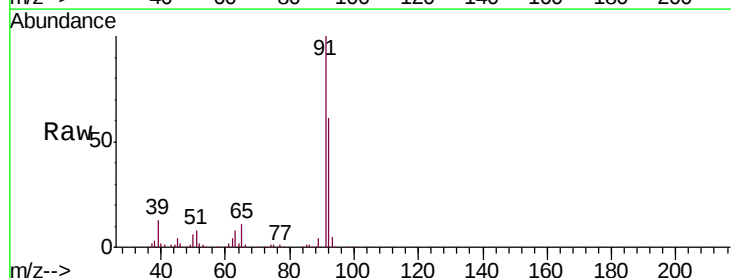
Acq: 21 Aug 2018 11:15

Tgt Ion: 92 Resp: 1174762

Ion Ratio Lower Upper

92 100

91 164.9 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

800000

600000

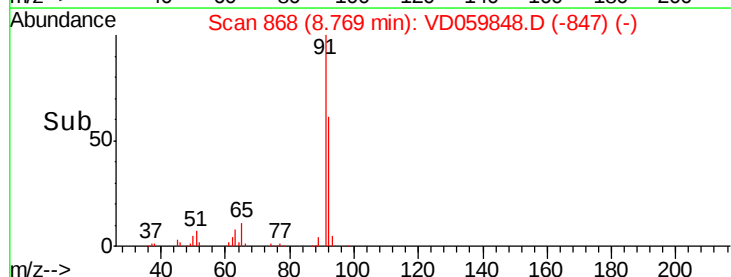
400000

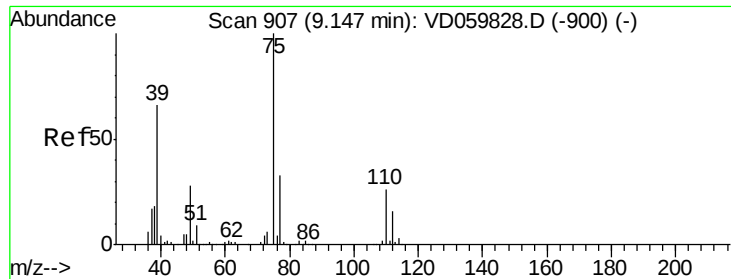
200000

0

Time--> 8.60 8.70 8.80 8.90 9.00

8.77

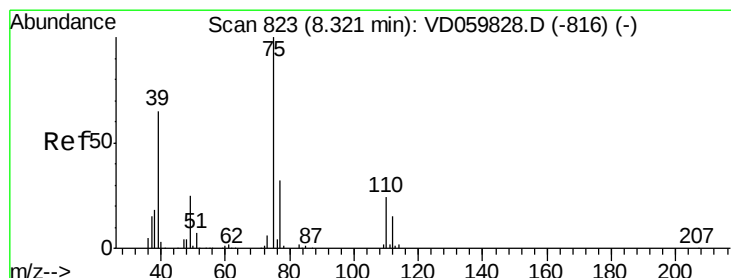
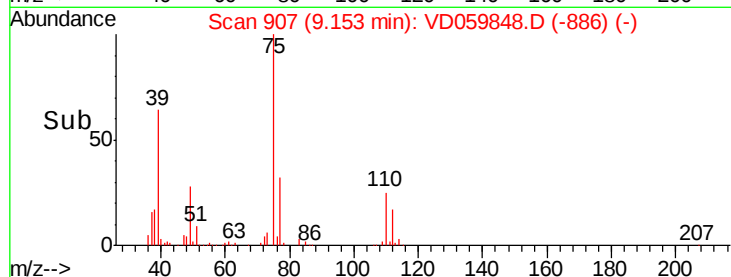
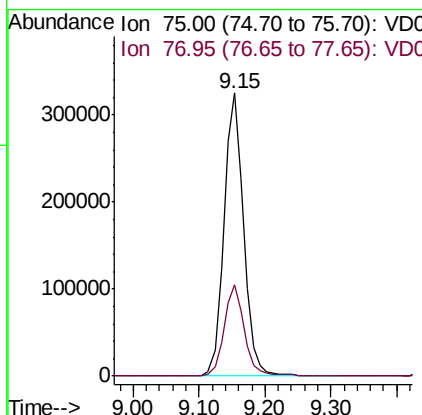
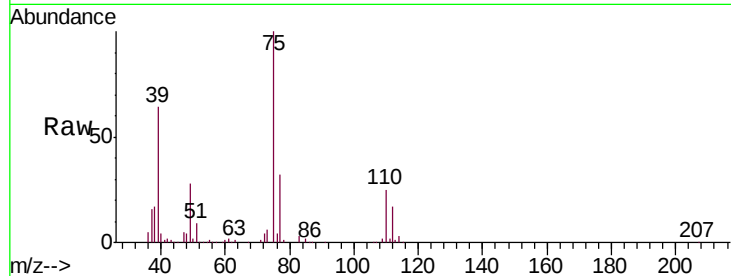




#53
 t-1,3-Dichloropropene
 Concen: 50.803 ug/l
 RT: 9.15 min Scan# 907
 Delta R.T. 0.01 min
 Lab File: VD059848.D
 Acq: 21 Aug 2018 11:15

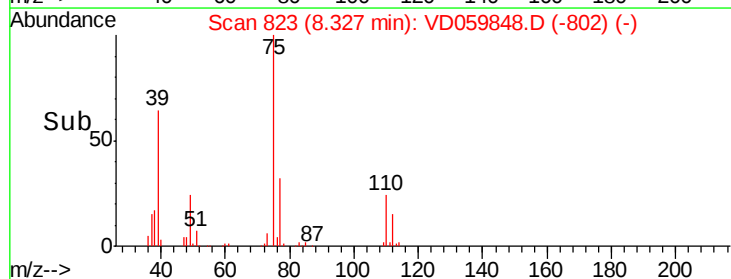
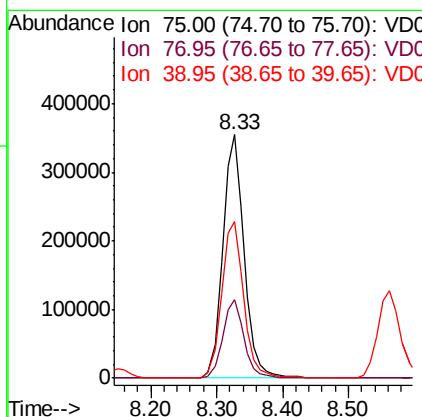
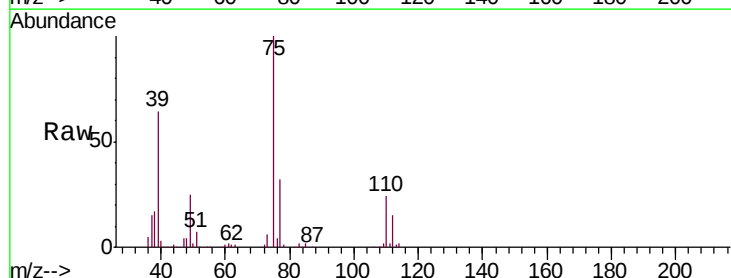
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

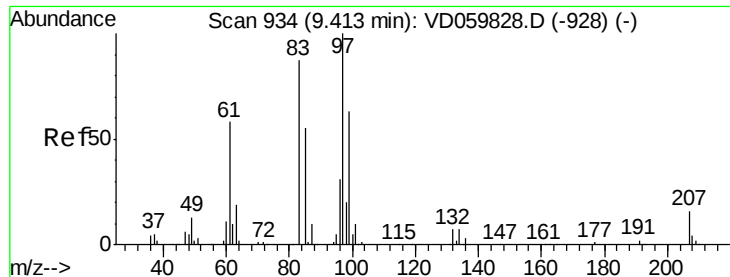
Tgt Ion: 75 Resp: 677513
 Ion Ratio Lower Upper
 75 100
 77 32.4 26.3 39.5



#54
 cis-1,3-Dichloropropene
 Concen: 50.297 ug/l
 RT: 8.33 min Scan# 823
 Delta R.T. 0.01 min
 Lab File: VD059848.D
 Acq: 21 Aug 2018 11:15

Tgt Ion: 75 Resp: 803311
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.8 38.8
 39 64.3 52.2 78.4

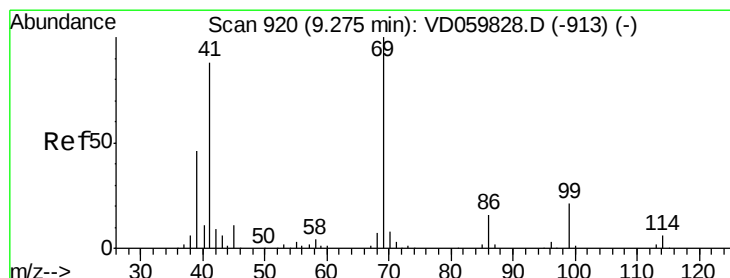
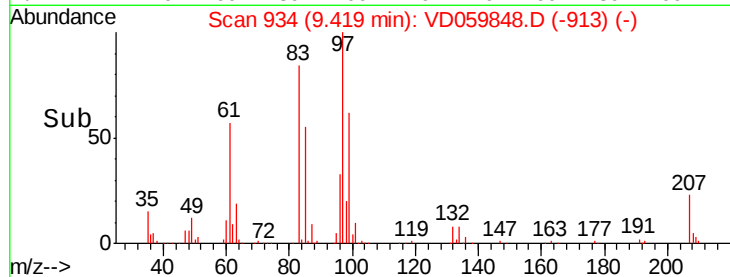
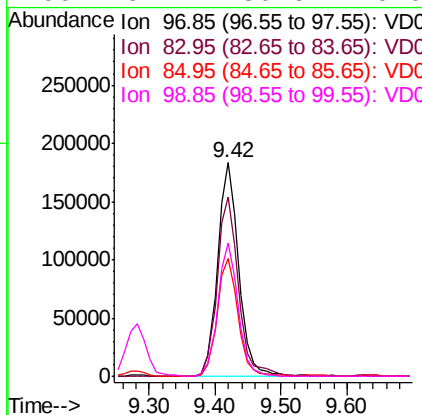
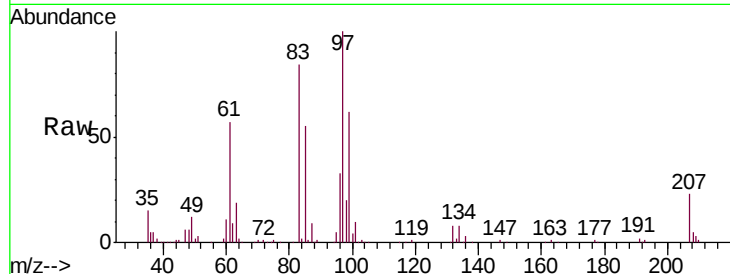




#55
 1,1,2-Trichloroethane
 Concen: 49.133 ug/l
 RT: 9.42 min Scan# 934
 Delta R.T. 0.01 min
 Lab File: VD059848.D
 Acq: 21 Aug 2018 11:15

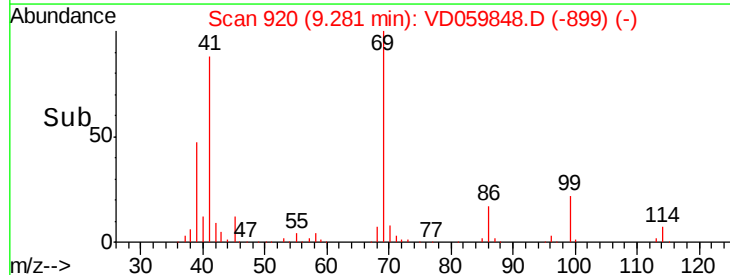
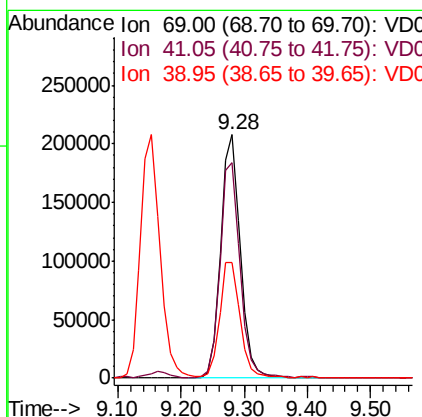
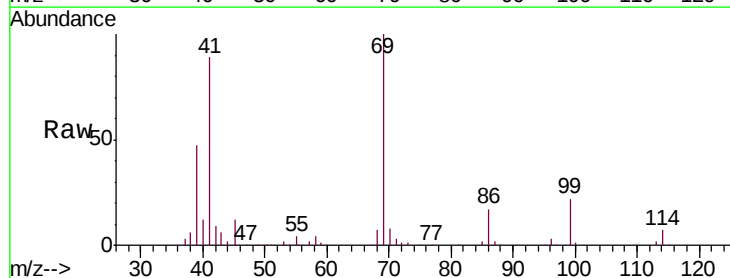
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

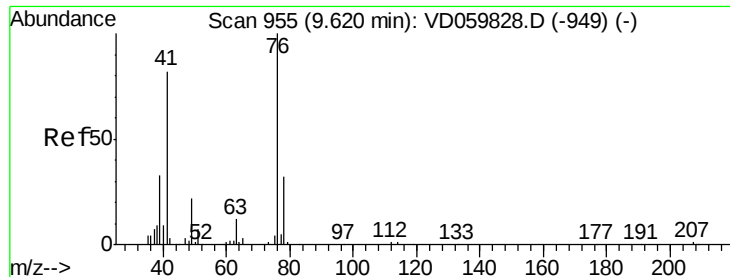
Tgt Ion:	97	Resp:	406765
Ion	Ratio	Lower	Upper
97	100		
83	83.7	69.2	103.8
85	55.0	44.3	66.5
99	62.4	50.6	76.0



#56
 Ethyl methacrylate
 Concen: 47.393 ug/l
 RT: 9.28 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VD059848.D
 Acq: 21 Aug 2018 11:15

Tgt Ion:	69	Resp:	452436
Ion	Ratio	Lower	Upper
69	100		
41	88.6	71.0	106.4
39	47.4	38.0	57.0





#57

1,3-Dichloropropane

Concen: 49.925 ug/l

RT: 9.63 min Scan# 955

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

ClientSampleId :

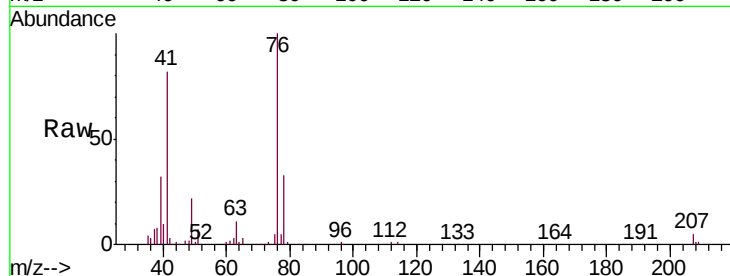
BFB

Tgt Ion: 76 Resp: 604311

Ion Ratio Lower Upper

76 100

78 33.0 25.5 38.3



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

9.63

300000

250000

200000

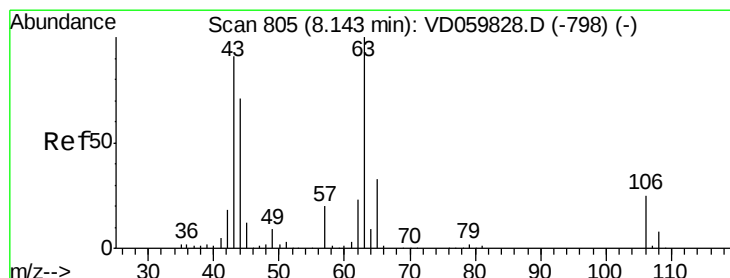
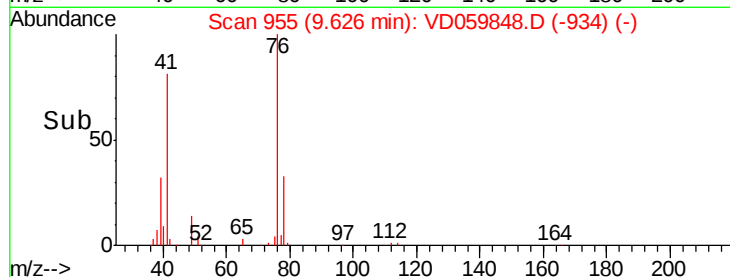
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 232.554 ug/l

RT: 8.15 min Scan# 805

Delta R.T. 0.01 min

Lab File: VD059848.D

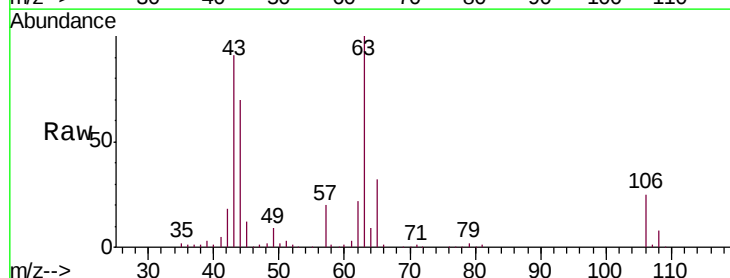
Acq: 21 Aug 2018 11:15

Tgt Ion: 63 Resp: 1224917

Ion Ratio Lower Upper

63 100

106 25.4 19.6 29.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

8.15

600000

500000

400000

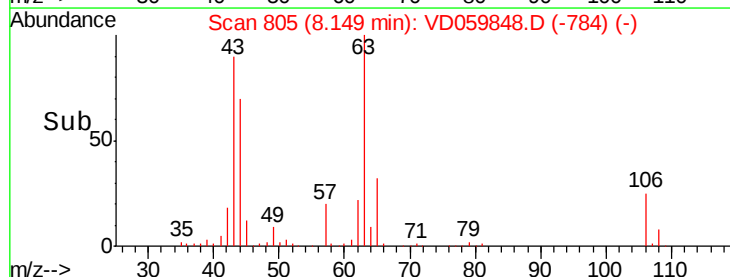
300000

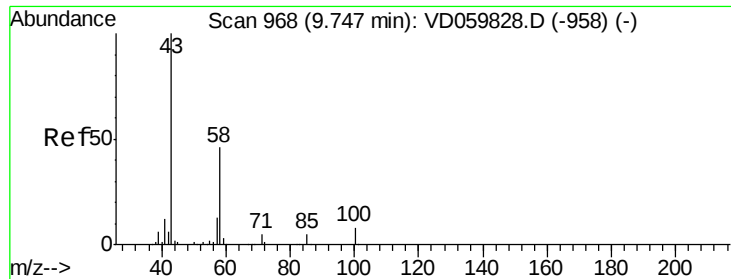
200000

100000

0

Time-->

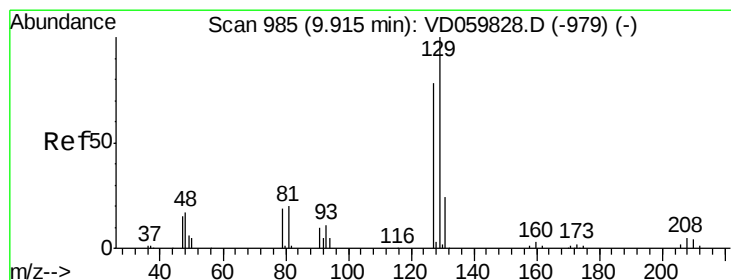
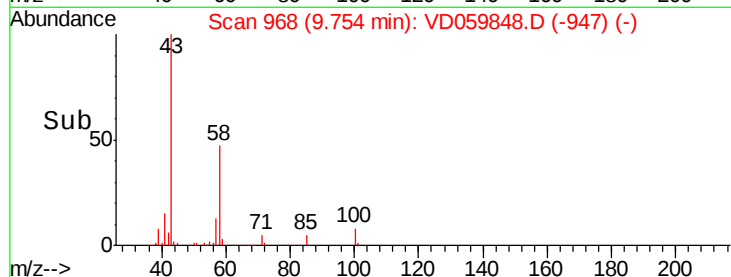
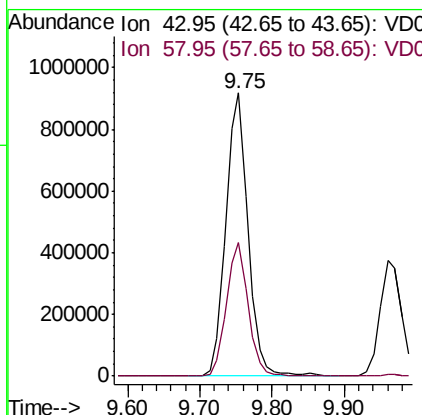
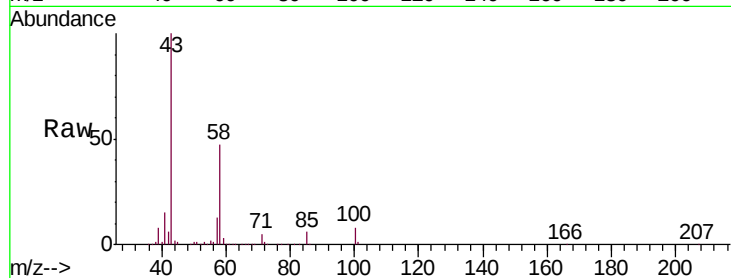




#59
2-Hexanone
Concen: 275.203 ug/l
RT: 9.75 min Scan# 968
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

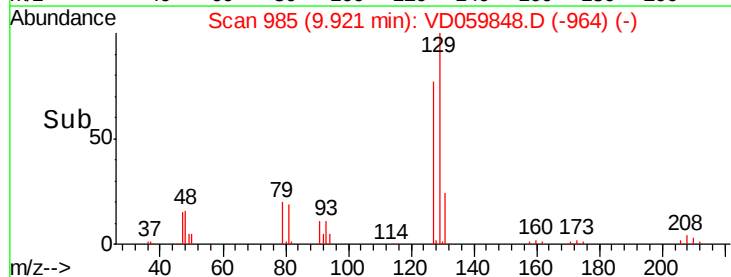
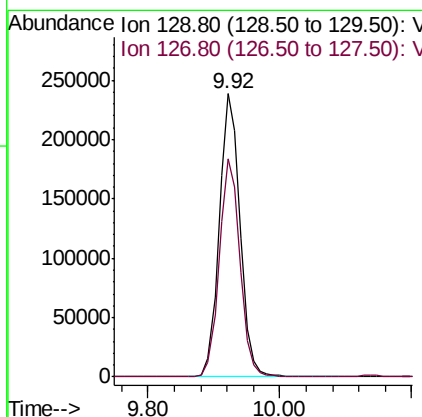
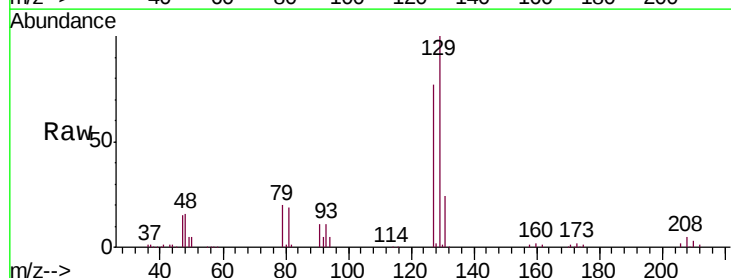
Instrument :
MSVOA_D
ClientSampleId :
BFB

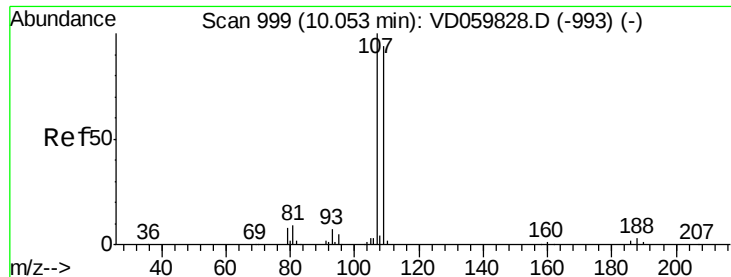
Tgt Ion: 43 Resp: 1951997
Ion Ratio Lower Upper
43 100
58 47.2 23.1 69.2



#60
Dibromochloromethane
Concen: 49.079 ug/l
RT: 9.92 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Tgt Ion: 129 Resp: 523207
Ion Ratio Lower Upper
129 100
127 76.9 39.0 116.9

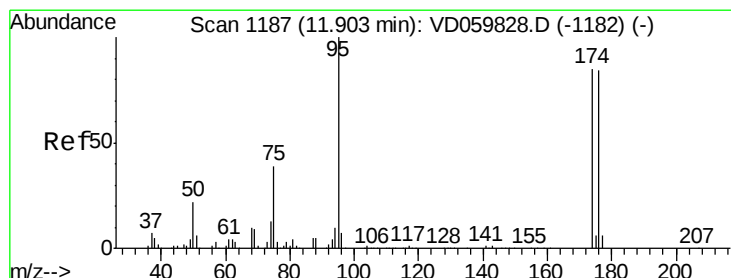
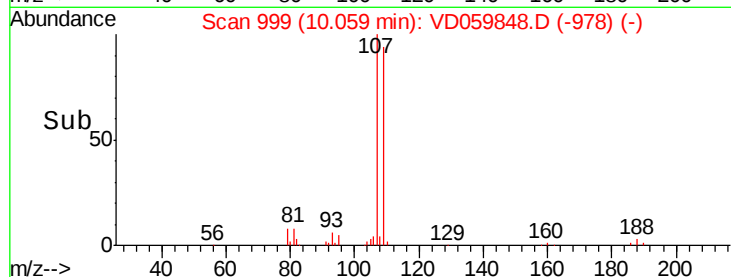
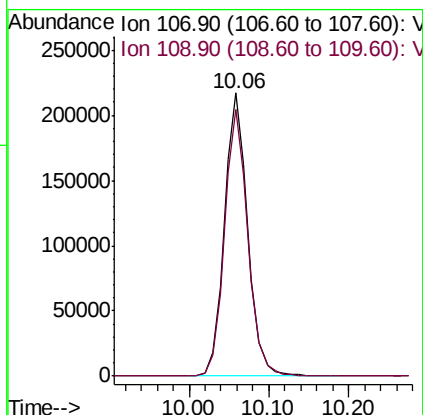
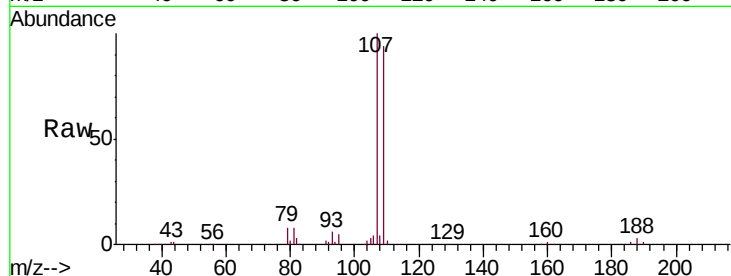




#61
 1,2-Dibromoethane
 Concen: 50.135 ug/l
 RT: 10.06 min Scan# 999
 Delta R.T. 0.01 min
 Lab File: VD059848.D
 Acq: 21 Aug 2018 11:15

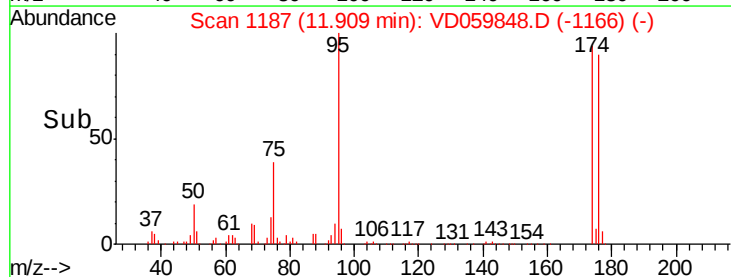
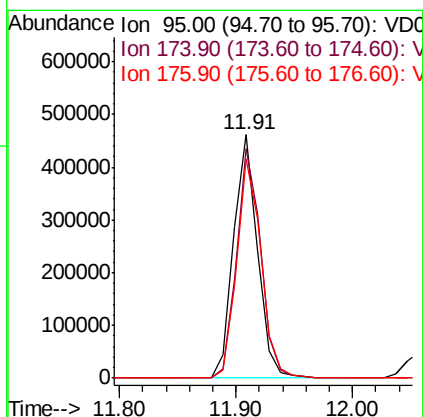
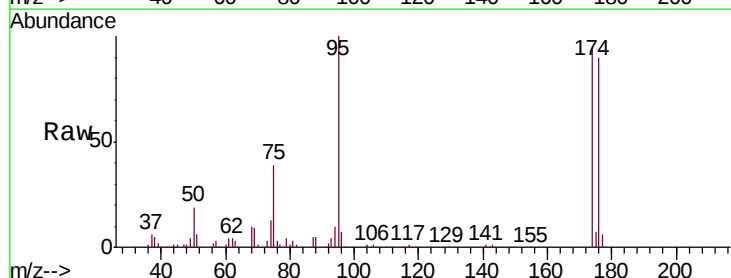
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

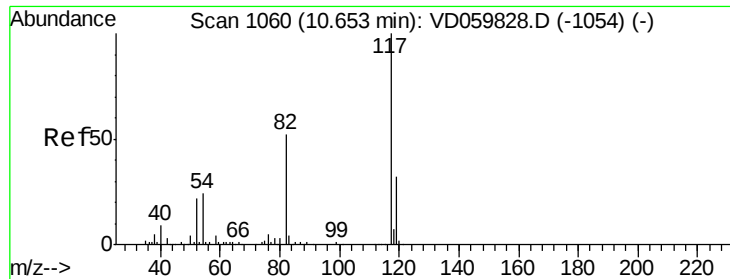
Tgt Ion: 107 Resp: 443515
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 50.135 ug/l
 RT: 11.91 min Scan# 1187
 Delta R.T. 0.01 min
 Lab File: VD059848.D
 Acq: 21 Aug 2018 11:15

Tgt Ion: 95 Resp: 656325
 Ion Ratio Lower Upper
 95 100
 174 94.3 0.0 169.2
 176 90.2 0.0 168.0

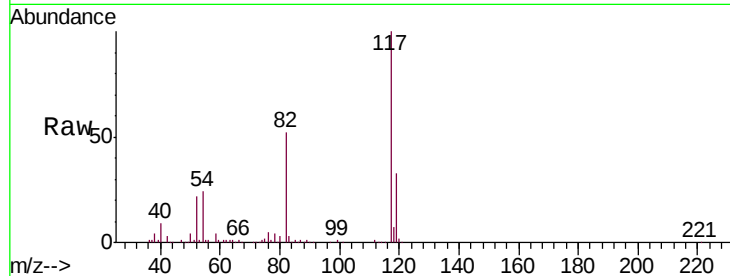




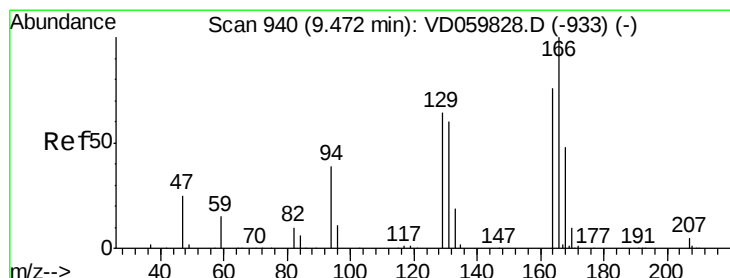
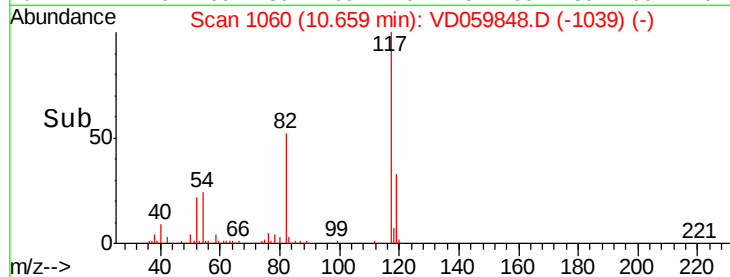
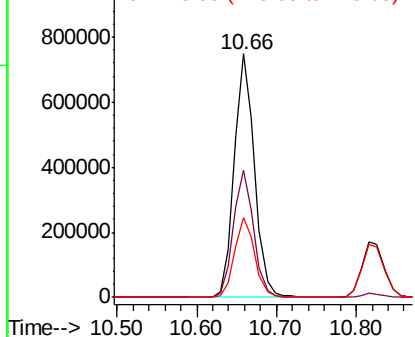
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.66 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Instrument :
MSVOA_D
ClientSampled :
BFB

Tgt Ion:117 Resp: 1329994
Ion Ratio Lower Upper
117 100
82 52.4 41.6 62.4
119 32.7 25.6 38.4

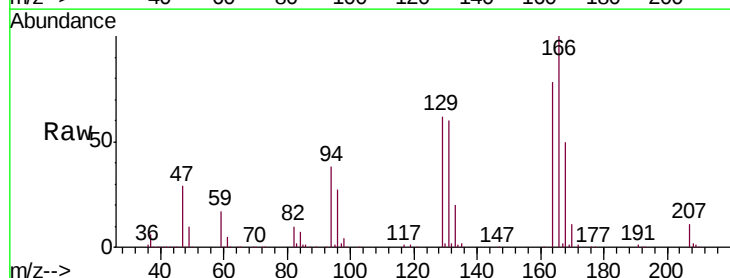


Abundance Ion 116.95 (116.65 to 117.65): V
1000000 Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

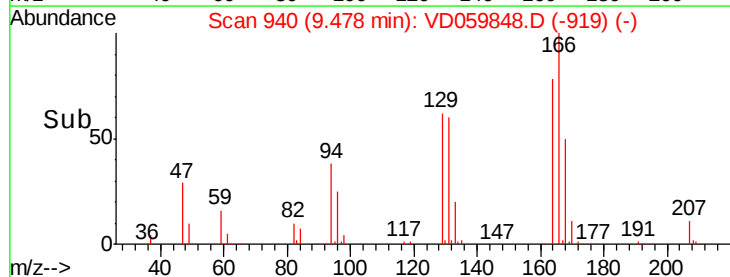
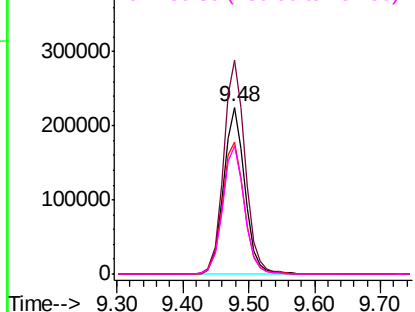


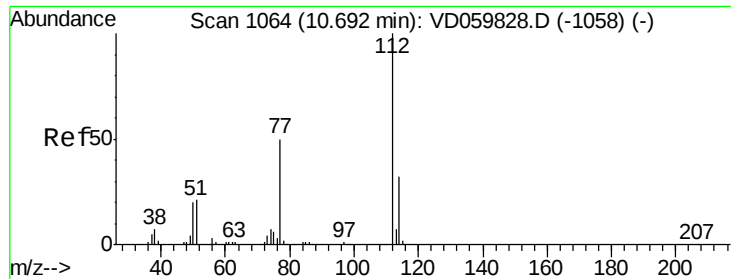
#64
Tetrachloroethene
Concen: 52.222 ug/l
RT: 9.48 min Scan# 940
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Tgt Ion:164 Resp: 508534
Ion Ratio Lower Upper
164 100
166 128.3 104.9 157.3
129 79.0 66.7 100.1
131 77.2 63.1 94.7



Abundance Ion 163.85 (163.55 to 164.55): V
400000 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

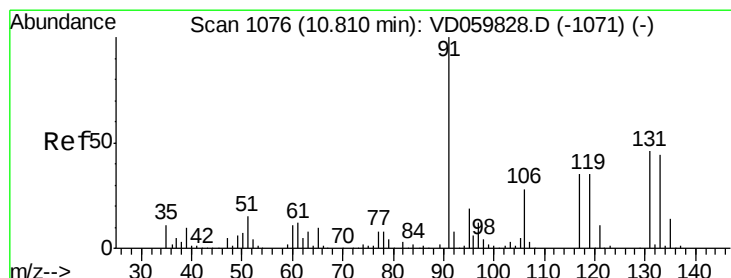
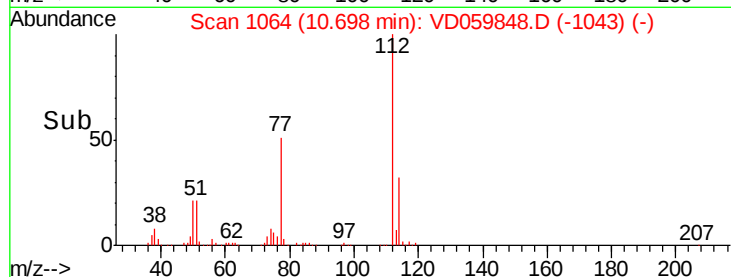
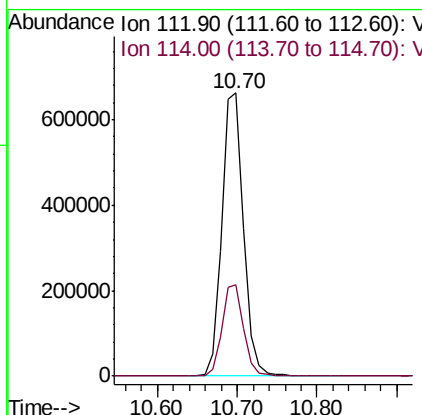
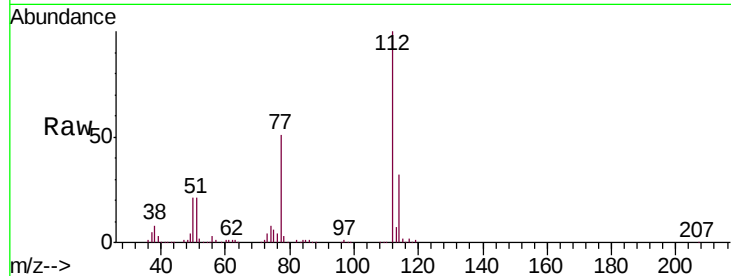




#65
Chlorobenzene
Concen: 49.407 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

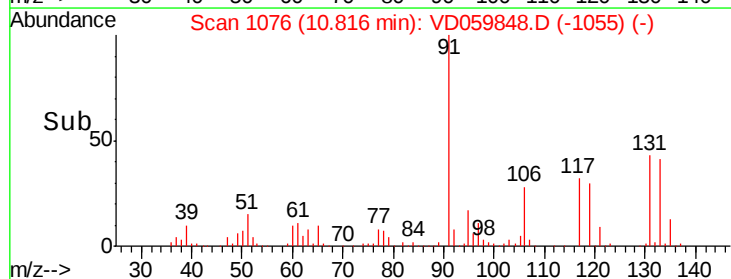
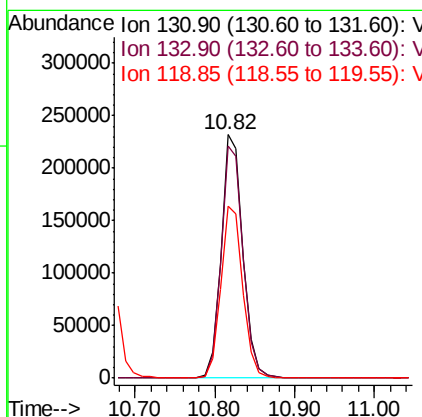
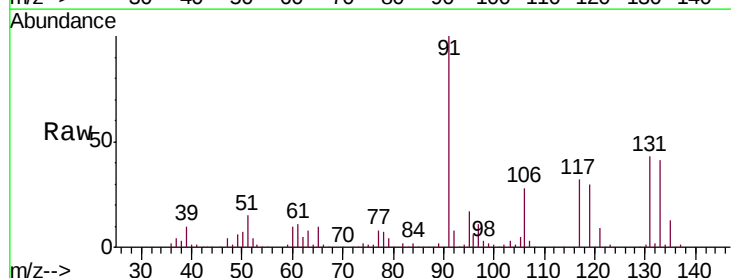
Instrument :
MSVOA_D
ClientSampled :
BFB

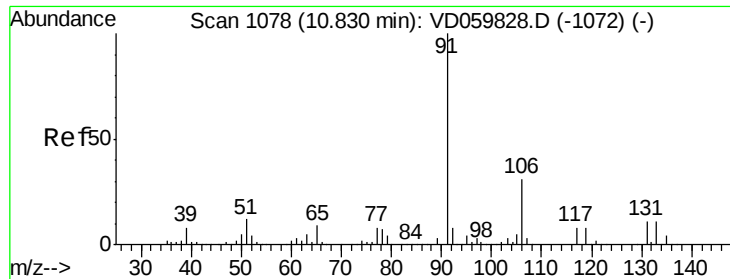
Tgt Ion:112 Resp: 1267331
Ion Ratio Lower Upper
112 100
114 32.1 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 50.632 ug/l
RT: 10.82 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Tgt Ion:131 Resp: 443268
Ion Ratio Lower Upper
131 100
133 95.3 47.1 141.4
119 70.7 37.5 112.7

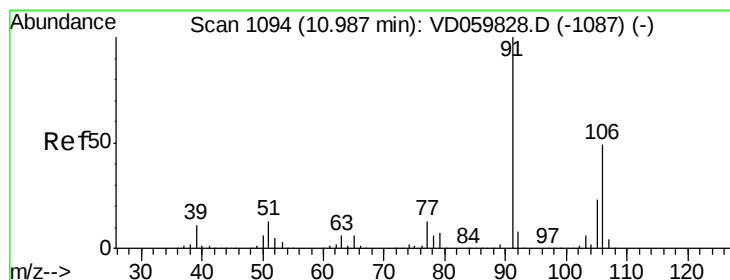
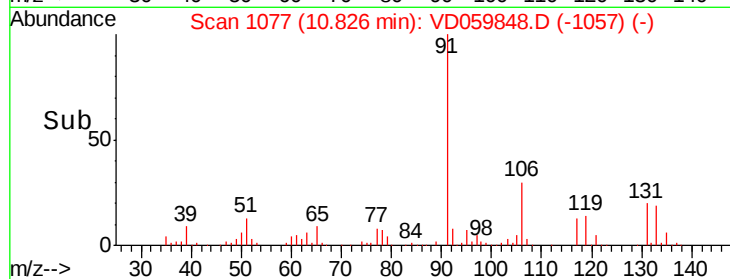
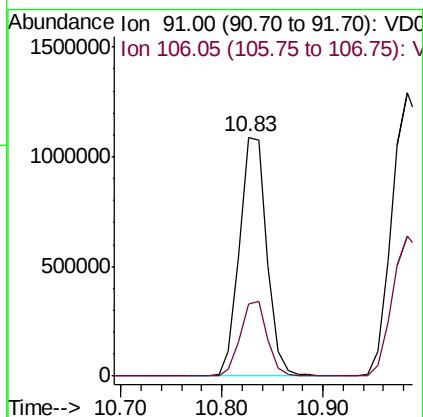
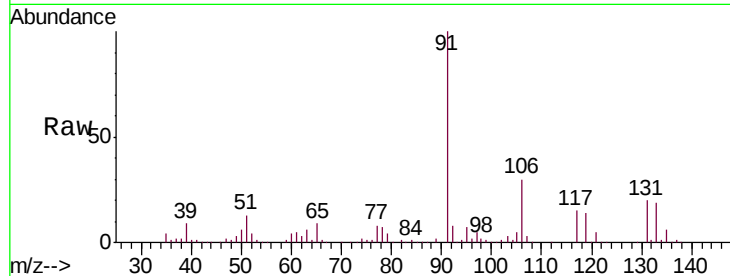




#67
Ethyl Benzene
Concen: 49.229 ug/l
RT: 10.83 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

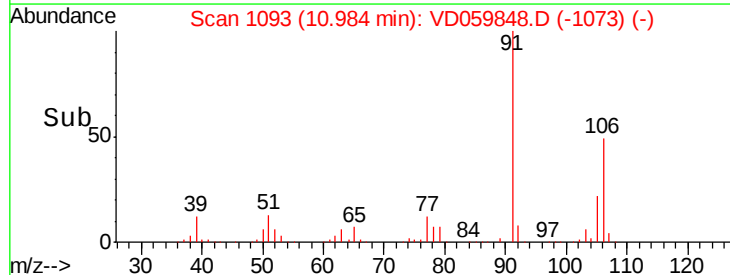
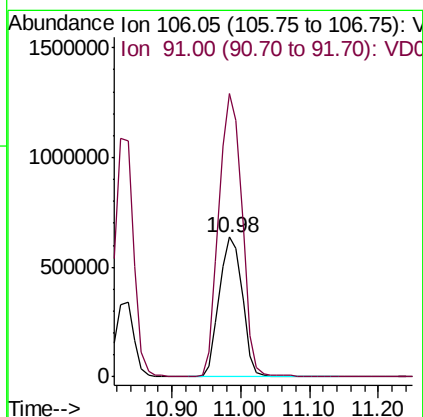
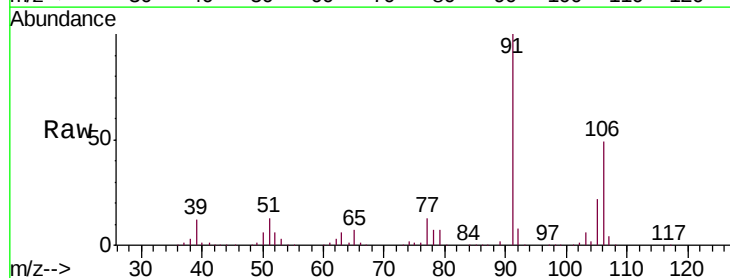
Instrument :
MSVOA_D
ClientSampled :
BFB

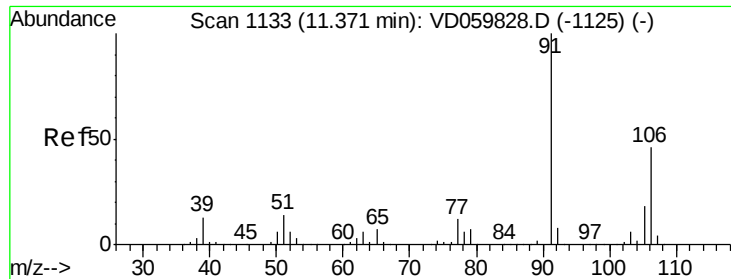
Tgt Ion: 91 Resp: 2064505
Ion Ratio Lower Upper
91 100
106 30.3 25.1 37.7



#68
m/p-Xylenes
Concen: 95.054 ug/l
RT: 10.98 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Tgt Ion: 106 Resp: 1478560
Ion Ratio Lower Upper
106 100
91 202.4 161.8 242.8

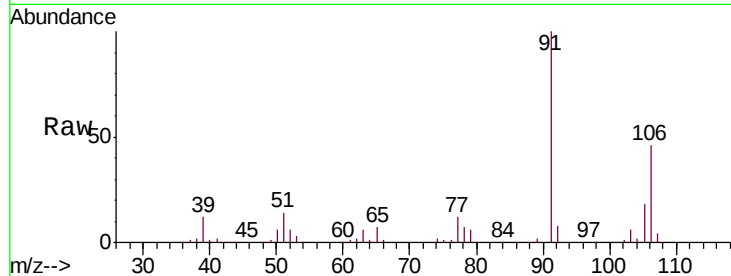




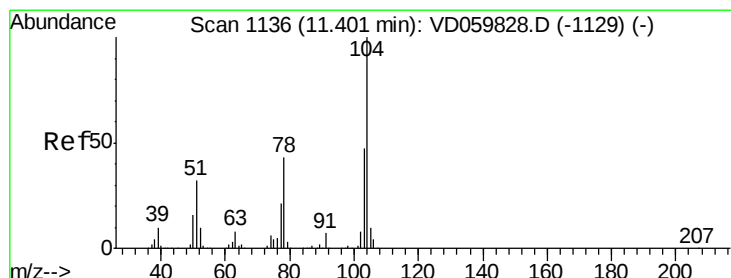
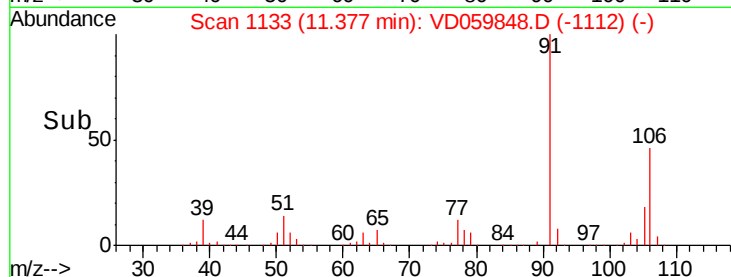
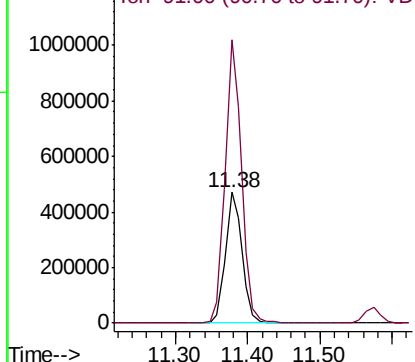
#69
o-Xylene
Concen: 50.697 ug/l
RT: 11.38 min Scan# 1133
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Instrument :
MSVOA_D
ClientSampleId :
BFB

Tgt Ion:106 Resp: 753507
Ion Ratio Lower Upper
106 100
91 216.3 108.5 325.3

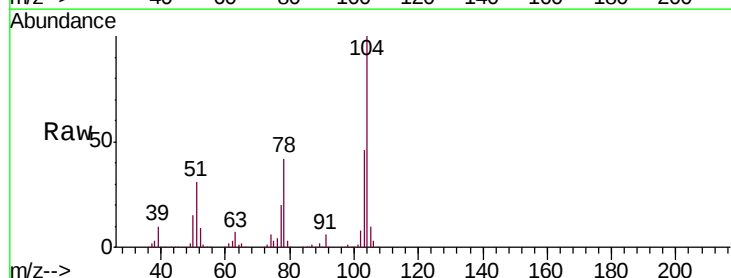


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

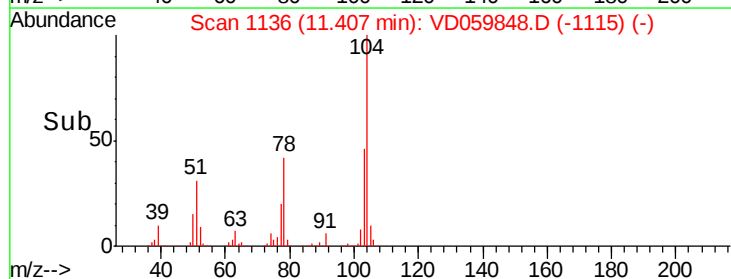
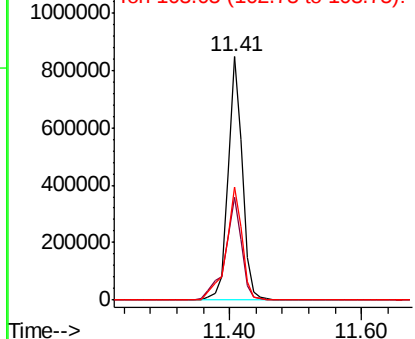


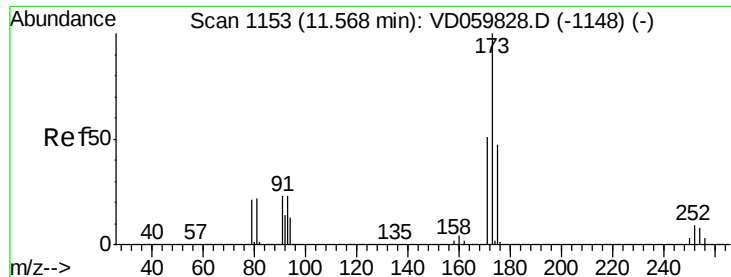
#70
Styrene
Concen: 49.613 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Tgt Ion:104 Resp: 1284047
Ion Ratio Lower Upper
104 100
78 42.0 34.6 52.0
103 46.2 37.8 56.6



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

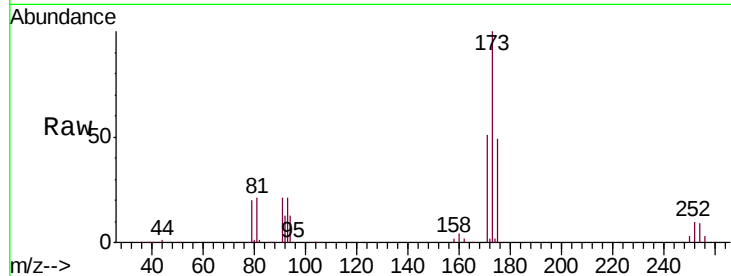




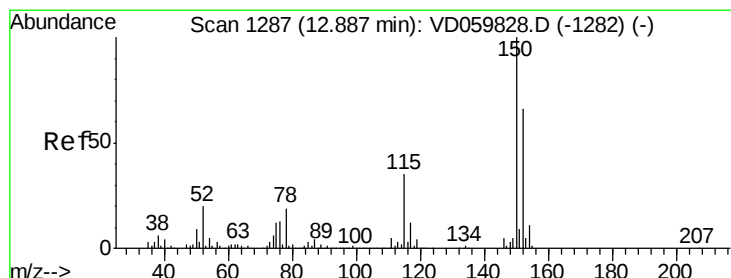
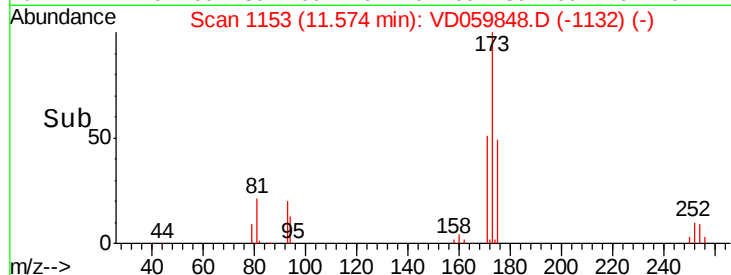
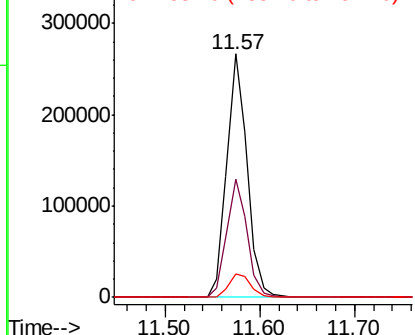
#71
Bromoform
Concen: 50.460 ug/l
RT: 11.57 min Scan# 1153
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Instrument :
MSVOA_D
ClientSampleId :
BFB

Tgt Ion:173 Resp: 396983
Ion Ratio Lower Upper
173 100
175 48.7 23.7 71.1
254 9.5 6.7 10.1

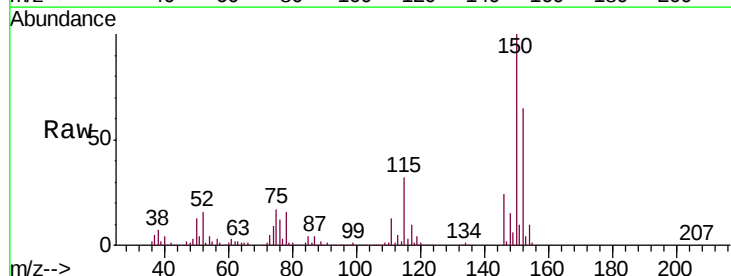


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

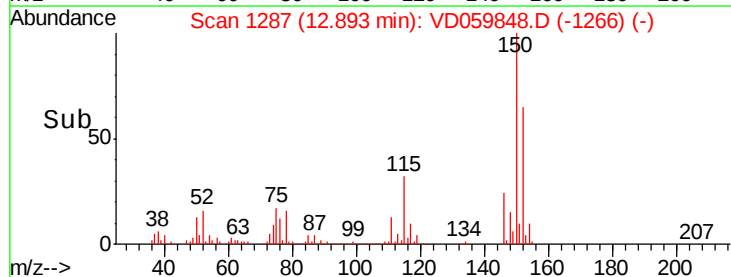
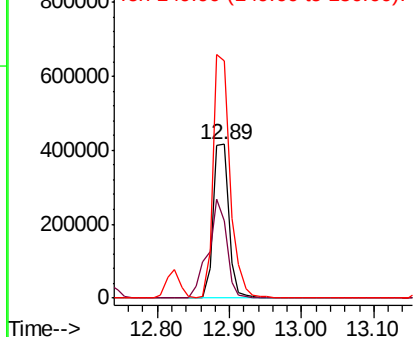


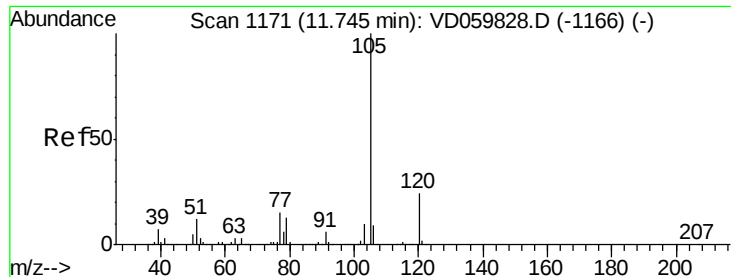
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.89 min Scan# 1287
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Tgt Ion:152 Resp: 616311
Ion Ratio Lower Upper
152 100
115 49.8 26.9 80.6
150 154.2 0.0 306.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.578 ug/l

RT: 11.75 min Scan# 1171

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

ClientSampled :

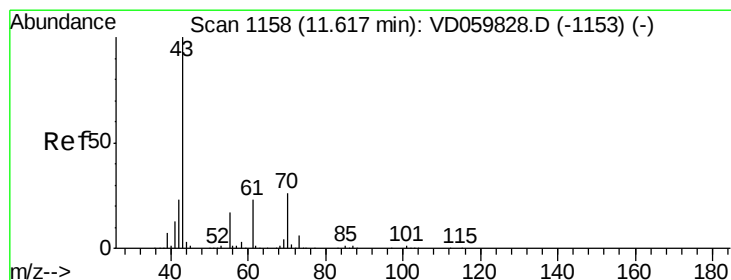
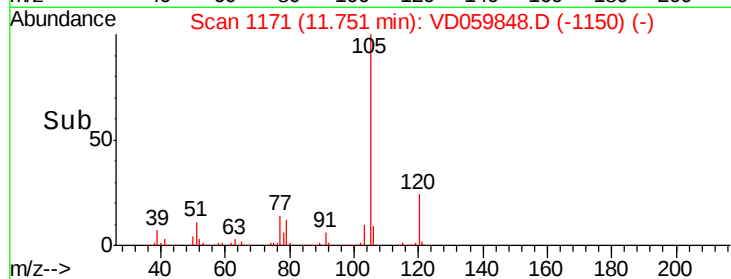
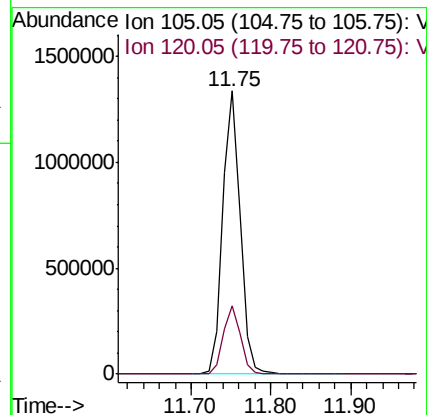
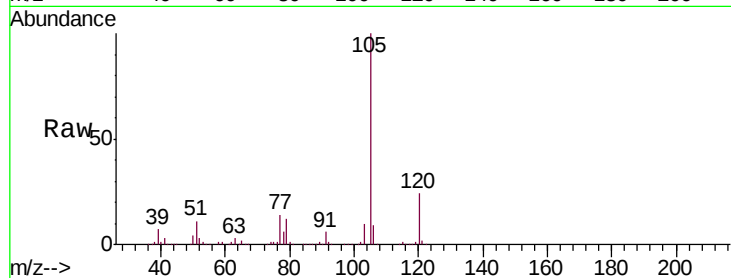
BFB

Tgt Ion: 105 Resp: 2082325

Ion Ratio Lower Upper

105 100

120 24.2 11.9 35.5



#74

N-ethyl acetate

Concen: 45.374 ug/l

RT: 11.62 min Scan# 1158

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Tgt Ion: 43 Resp: 853348

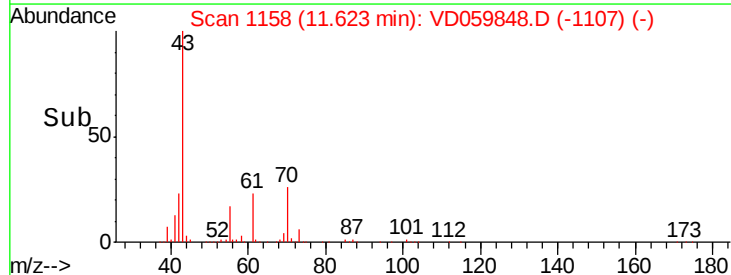
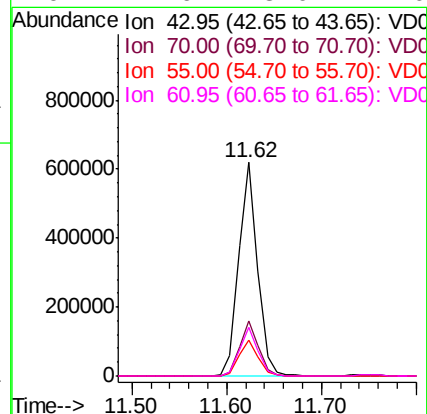
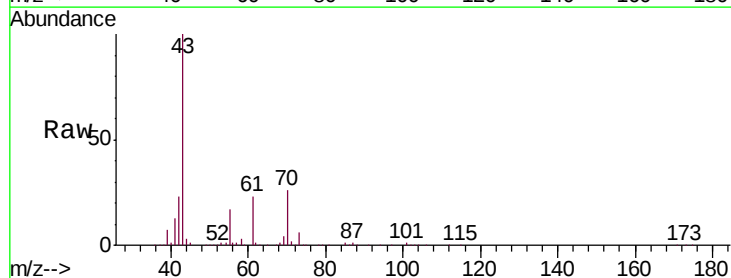
Ion Ratio Lower Upper

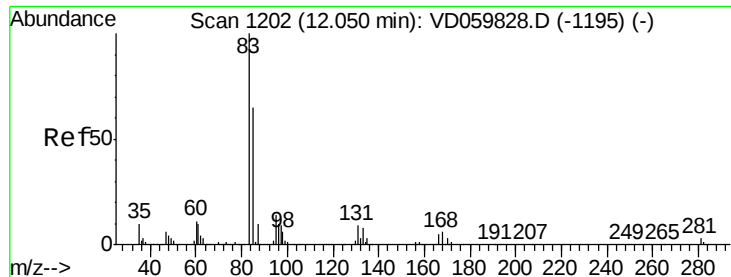
43 100

70 26.0 20.5 30.7

55 16.9 13.7 20.5

61 22.6 18.0 27.0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.095 ug/l

RT: 12.06 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

ClientSampleId :

BFB

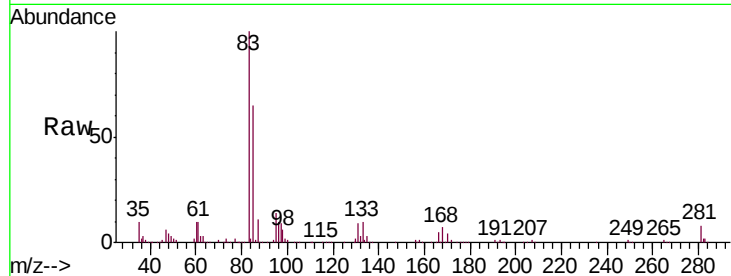
Tgt Ion: 83 Resp: 466242

Ion Ratio Lower Upper

83 100

131 8.6 4.3 13.1

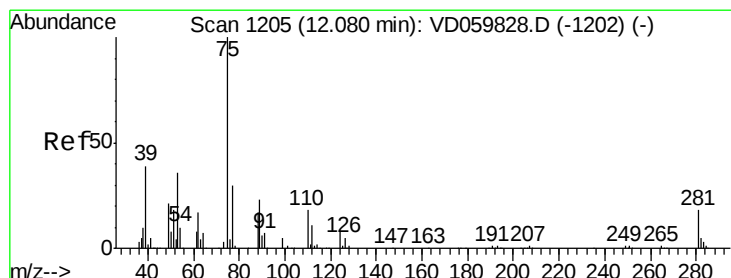
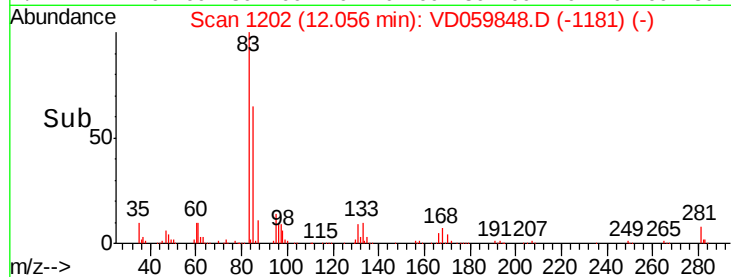
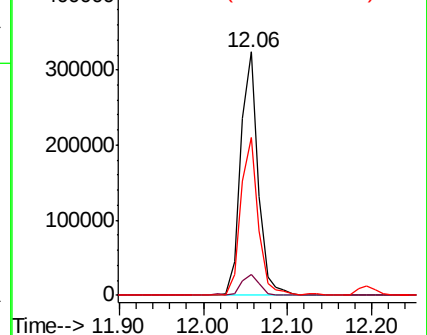
85 64.7 32.5 97.5



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: 46.079 ug/l

RT: 12.09 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VD059848.D

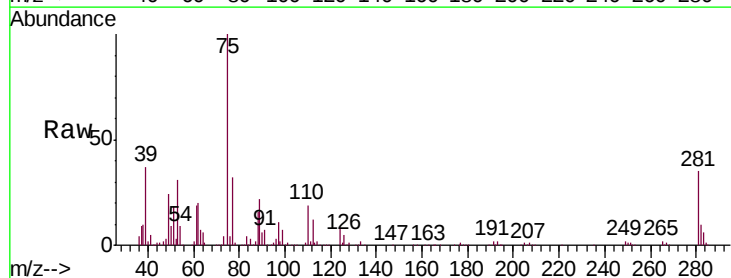
Acq: 21 Aug 2018 11:15

Tgt Ion: 75 Resp: 469834

Ion Ratio Lower Upper

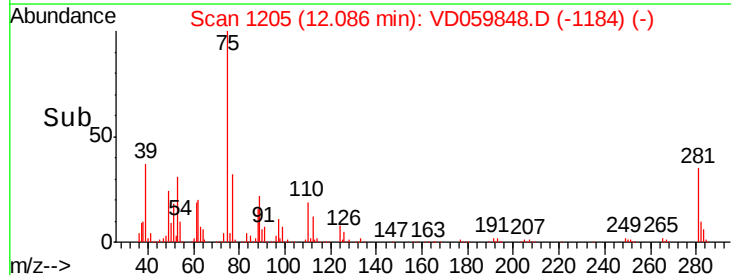
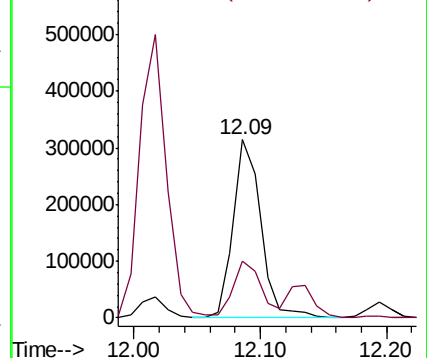
75 100

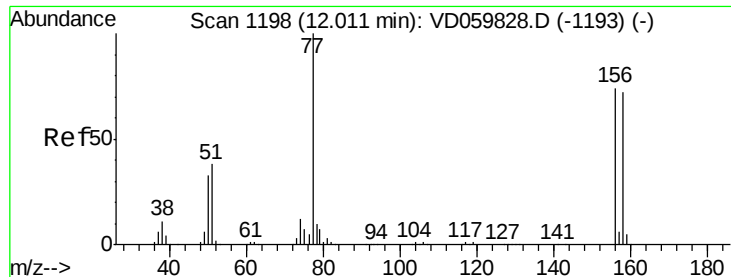
77 32.2 16.0 47.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 50.230 ug/l

RT: 12.02 min Scan# 1198

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

ClientSampleId :

BFB

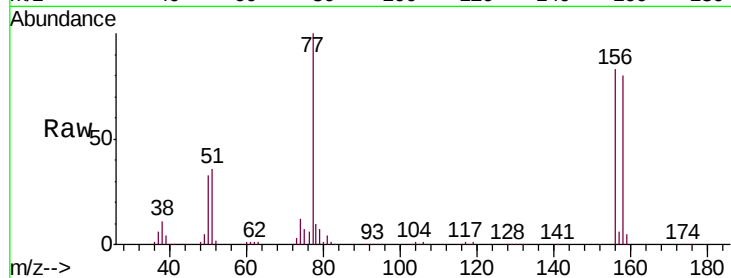
Tgt Ion:156 Resp: 586406

Ion Ratio Lower Upper

156 100

77 119.8 68.0 204.0

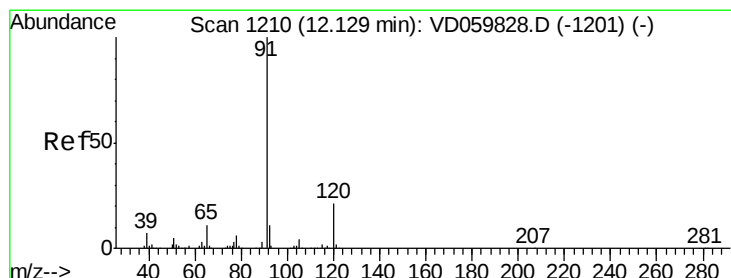
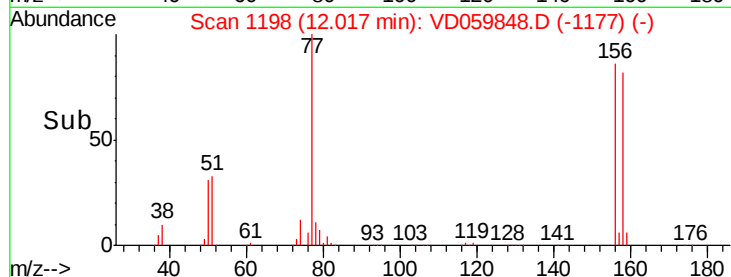
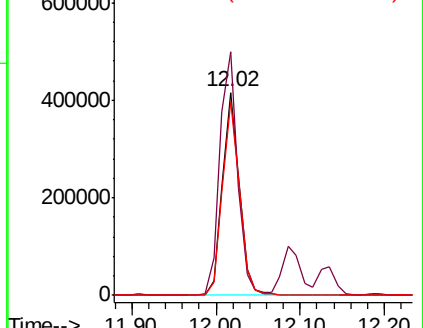
158 95.3 48.9 146.8



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 47.689 ug/l

RT: 12.14 min Scan# 1210

Delta R.T. 0.01 min

Lab File: VD059848.D

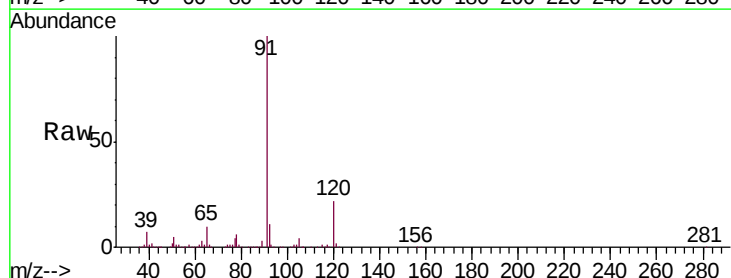
Acq: 21 Aug 2018 11:15

Tgt Ion: 91 Resp: 2487820

Ion Ratio Lower Upper

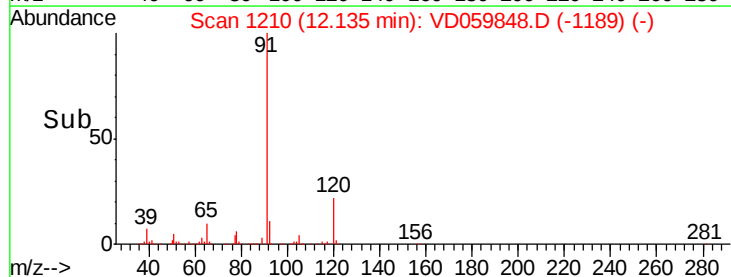
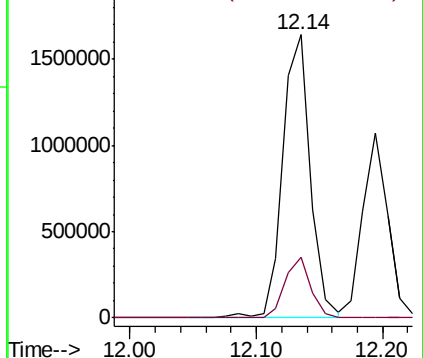
91 100

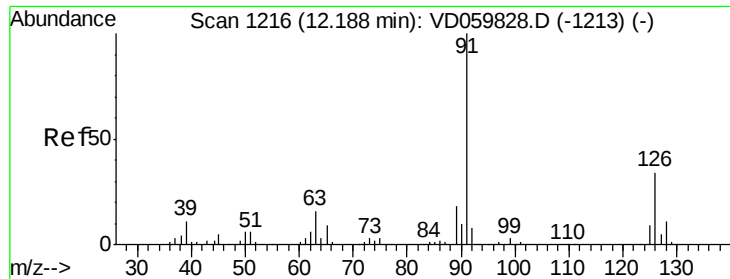
120 21.6 10.5 31.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

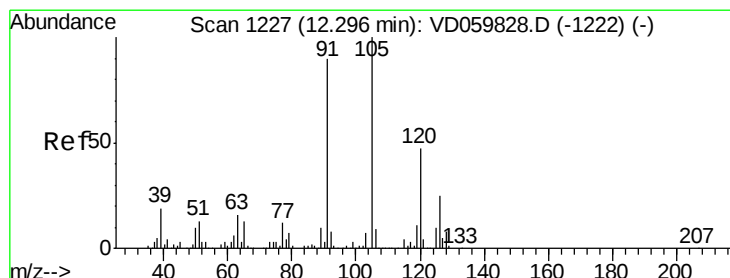
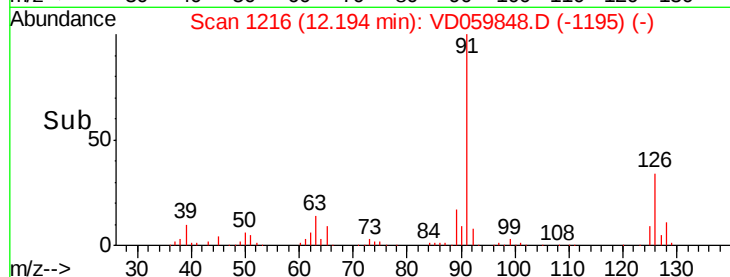
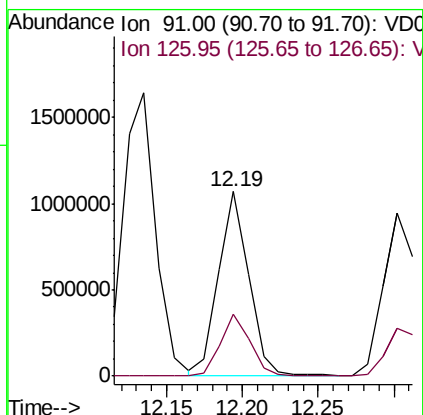
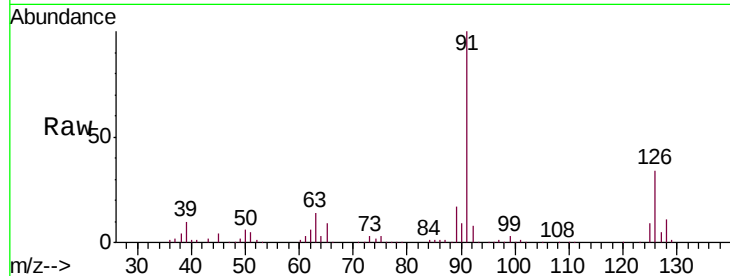




#79
 2-Chlorotoluene
 Concen: 49.304 ug/l
 RT: 12.19 min Scan# 1216
 Delta R.T. 0.01 min
 Lab File: VD059848.D
 Acq: 21 Aug 2018 11:15

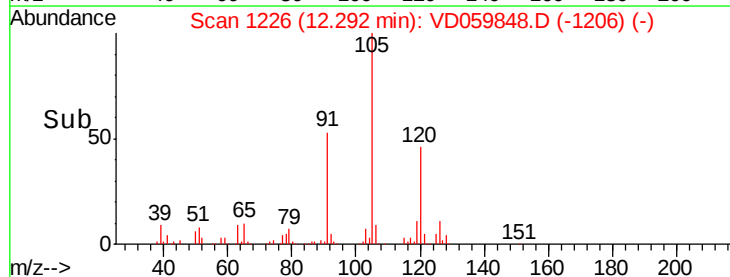
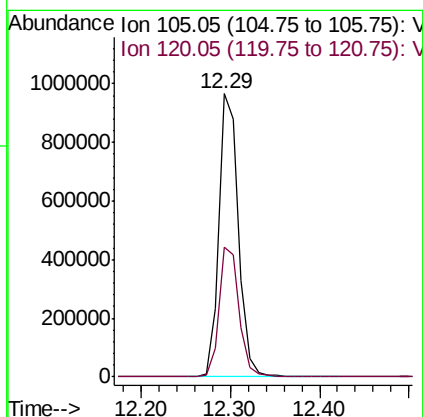
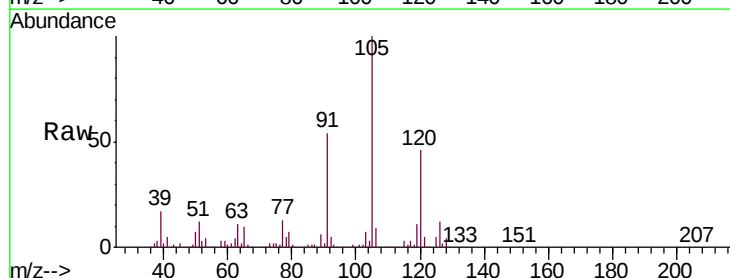
Instrument :
 MSVOA_D
 ClientSampleID :
 BFB

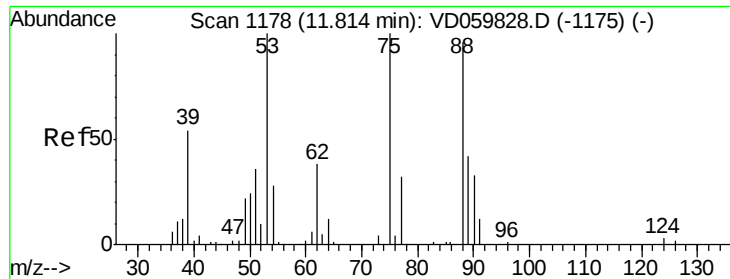
Tgt Ion: 91 Resp: 1480770
 Ion Ratio Lower Upper
 91 100
 126 33.8 16.6 49.8



#80
 1,3,5-Trimethylbenzene
 Concen: 48.064 ug/l
 RT: 12.29 min Scan# 1226
 Delta R.T. -0.00 min
 Lab File: VD059848.D
 Acq: 21 Aug 2018 11:15

Tgt Ion: 105 Resp: 1485550
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.5 70.6

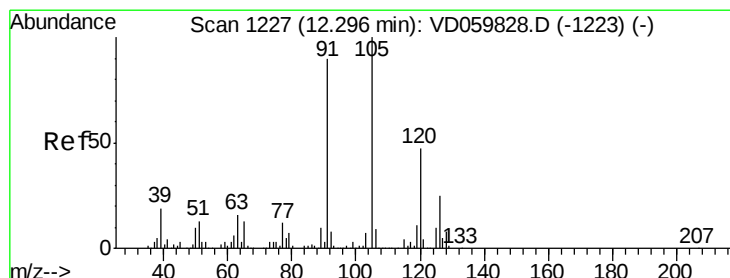
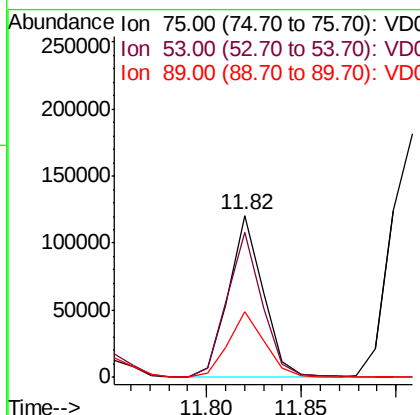
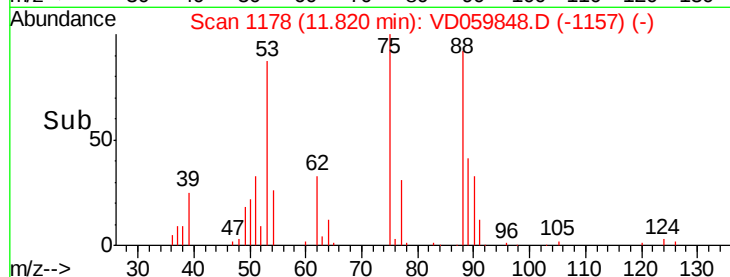
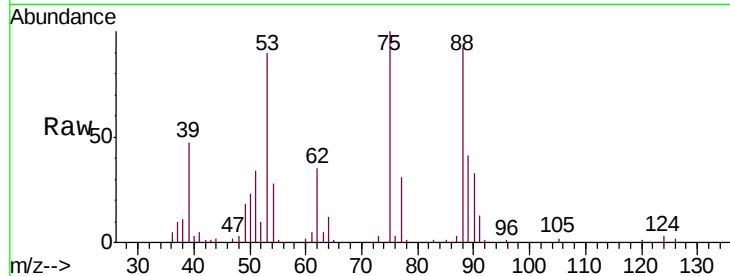




#81
trans-1,4-Dichloro-2-butene
Concen: 47.999 ug/l
RT: 11.82 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

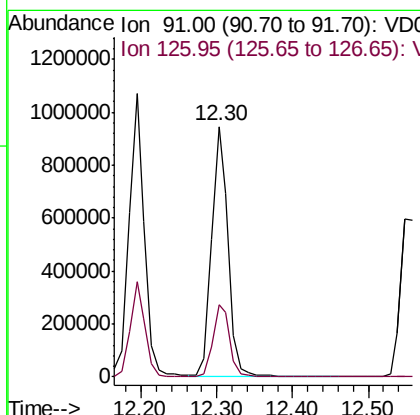
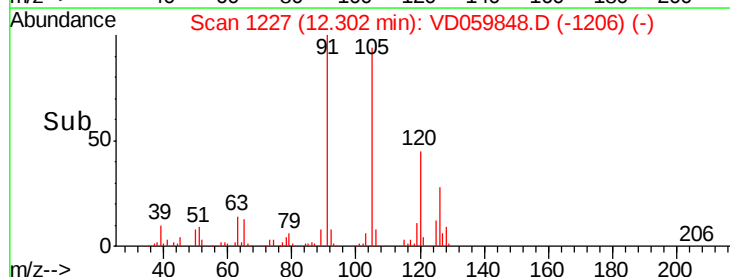
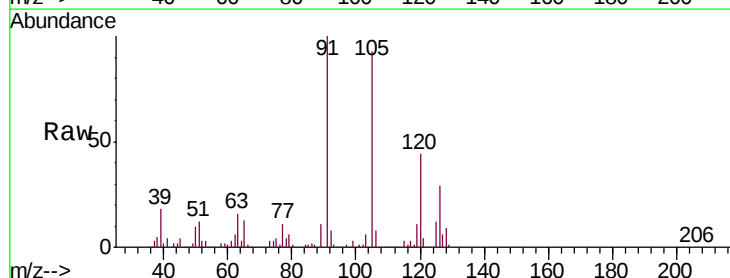
Instrument :
MSVOA_D
ClientSampleId :
BFB

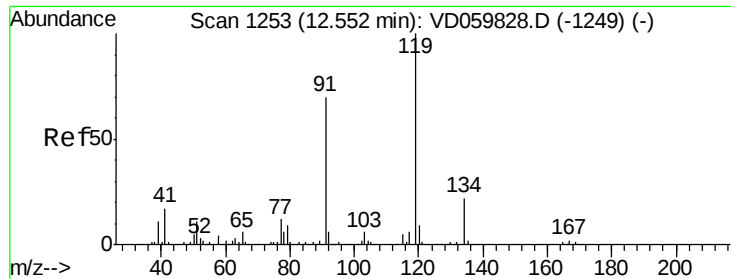
Tgt Ion: 75 Resp: 152991
Ion Ratio Lower Upper
75 100
53 89.7 80.7 121.1
89 40.8 33.9 50.9



#82
4-Chlorotoluene
Concen: 47.622 ug/l
RT: 12.30 min Scan# 1227
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Tgt Ion: 91 Resp: 1441768
Ion Ratio Lower Upper
91 100
126 29.0 13.7 41.0

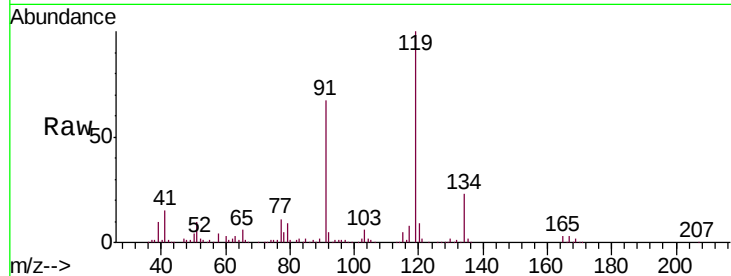




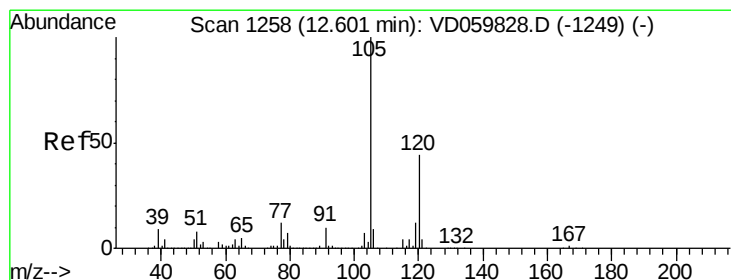
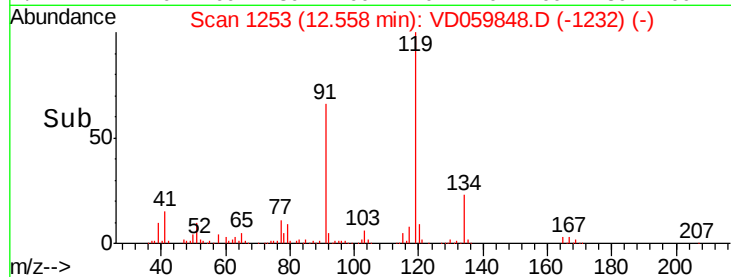
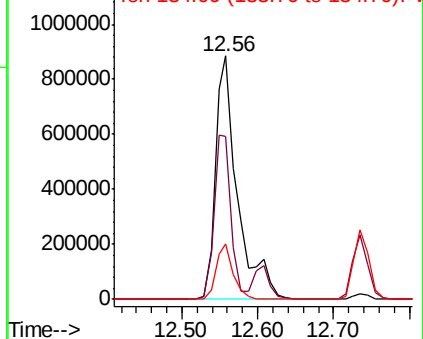
#83
 tert-Butylbenzene
 Concen: 54.809 ug/l
 RT: 12.56 min Scan# 1253
 Delta R.T. 0.01 min
 Lab File: VD059848.D
 Acq: 21 Aug 2018 11:15

Instrument :
 MSVOA_D
 ClientSampled :
 BFB

Tgt Ion:119 Resp: 1815898
 Ion Ratio Lower Upper
 119 100
 91 66.8 35.1 105.3
 134 22.8 11.0 33.0

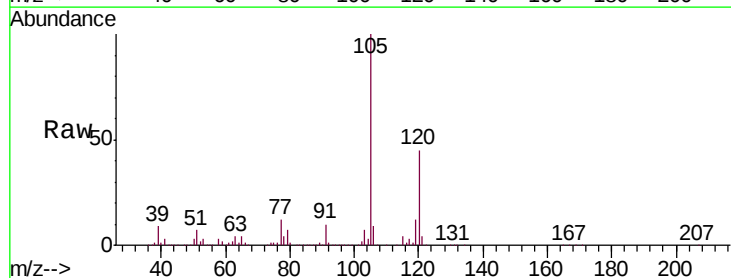


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

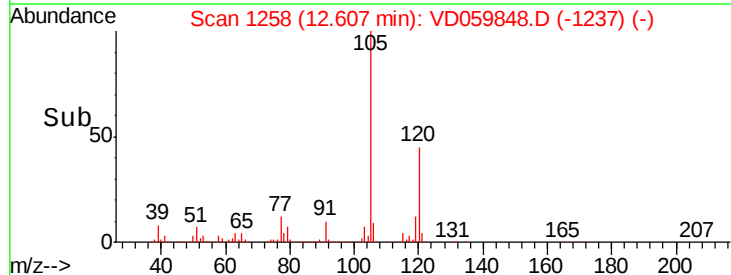
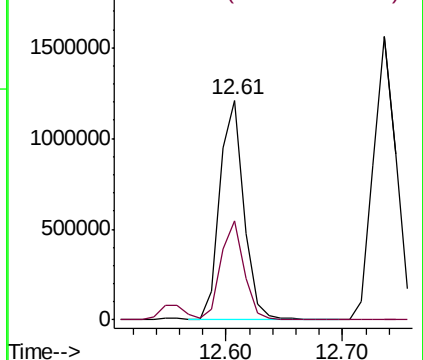


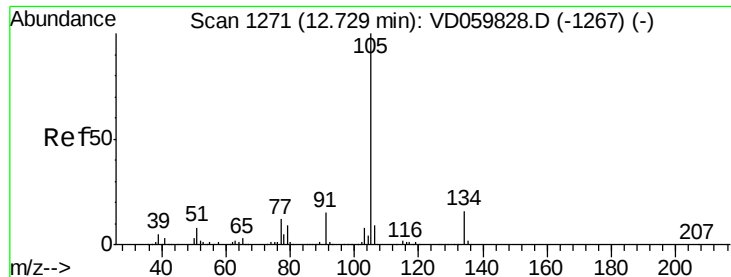
#84
 1,2,4-Trimethylbenzene
 Concen: 49.667 ug/l
 RT: 12.61 min Scan# 1258
 Delta R.T. 0.01 min
 Lab File: VD059848.D
 Acq: 21 Aug 2018 11:15

Tgt Ion:105 Resp: 1716527
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.0 66.0



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

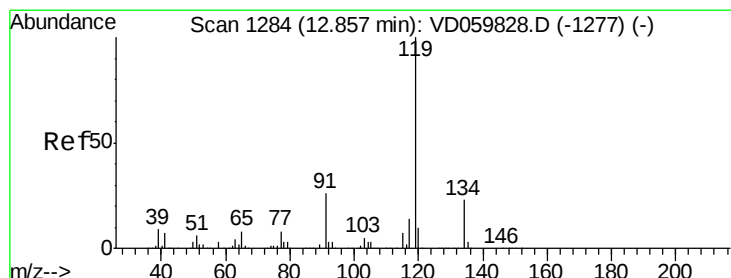
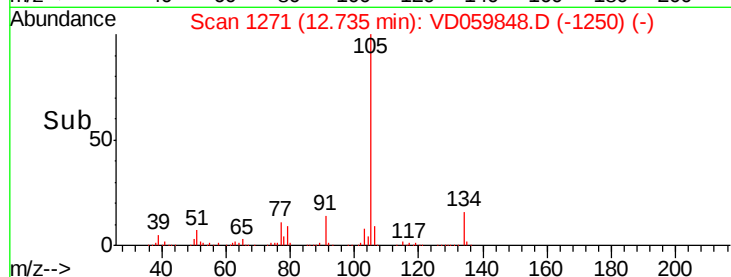
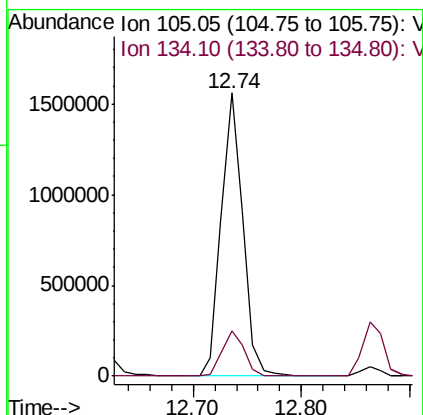
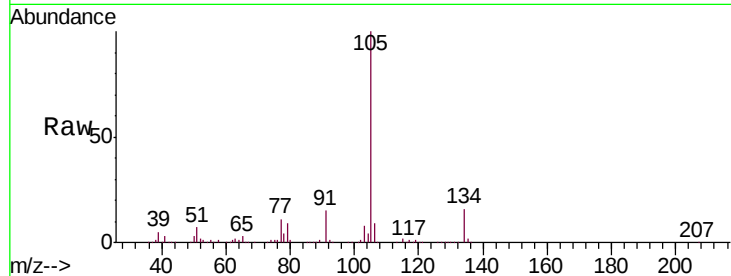




#85
 sec-Butylbenzene
 Concen: 48.837 ug/l
 RT: 12.74 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD059848.D
 Acq: 21 Aug 2018 11:15

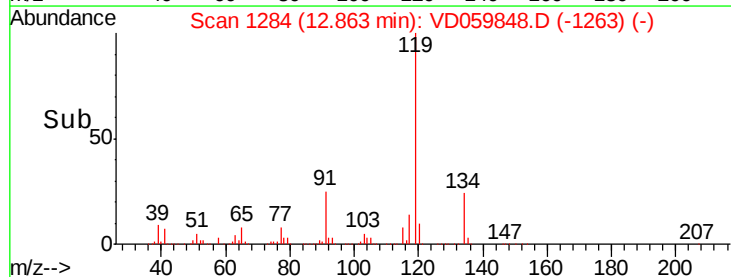
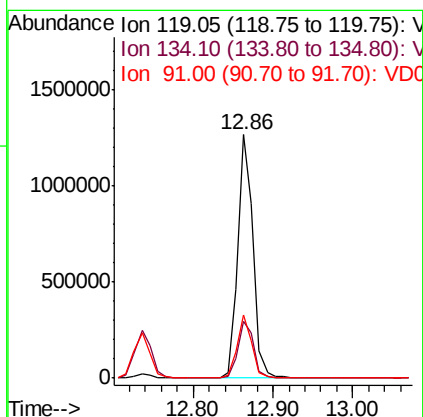
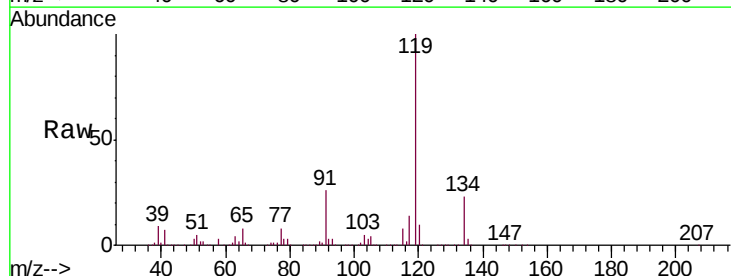
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

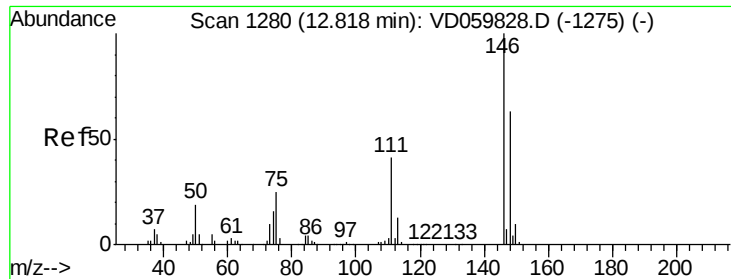
Tgt Ion:105 Resp: 2145969
 Ion Ratio Lower Upper
 105 100
 134 16.1 7.8 23.5



#86
 p-Isopropyltoluene
 Concen: 48.979 ug/l
 RT: 12.86 min Scan# 1284
 Delta R.T. 0.01 min
 Lab File: VD059848.D
 Acq: 21 Aug 2018 11:15

Tgt Ion:119 Resp: 1688265
 Ion Ratio Lower Upper
 119 100
 134 23.5 11.5 34.5
 91 25.7 13.2 39.6





#87

1,3-Dichlorobenzene

Concen: 52.095 ug/l

RT: 12.82 min Scan# 1280

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

ClientSampled :

BFB

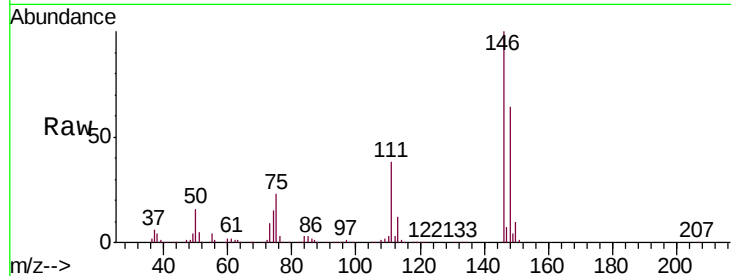
Tgt Ion:146 Resp: 1023843

Ion Ratio Lower Upper

146 100

111 37.8 20.3 60.9

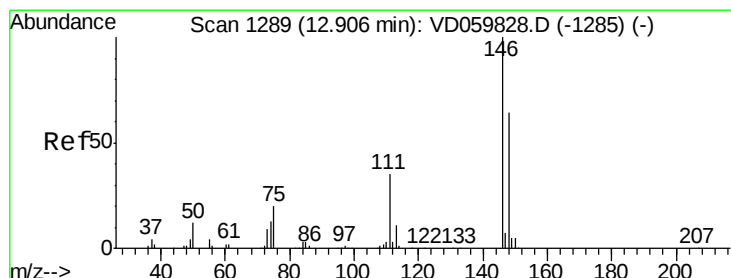
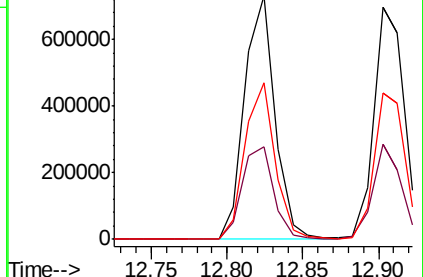
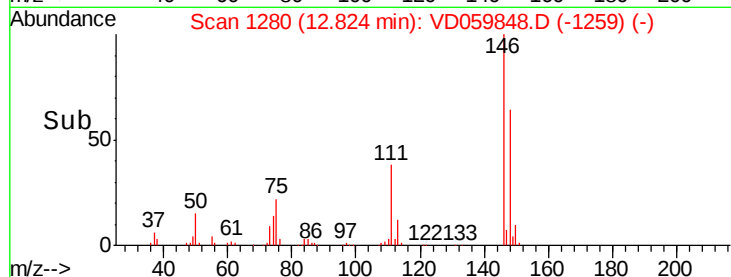
148 64.3 31.6 94.7



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: 50.695 ug/l

RT: 12.90 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

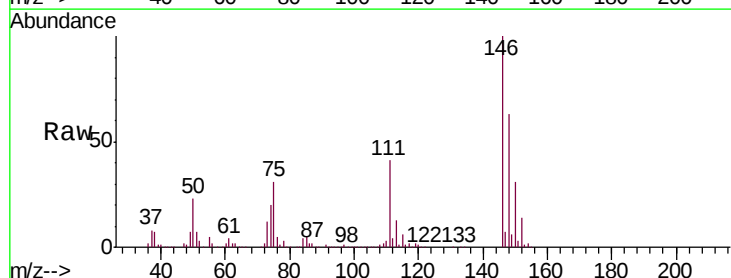
Tgt Ion:146 Resp: 987569

Ion Ratio Lower Upper

146 100

111 41.0 17.8 53.3

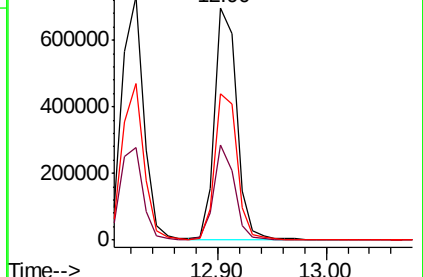
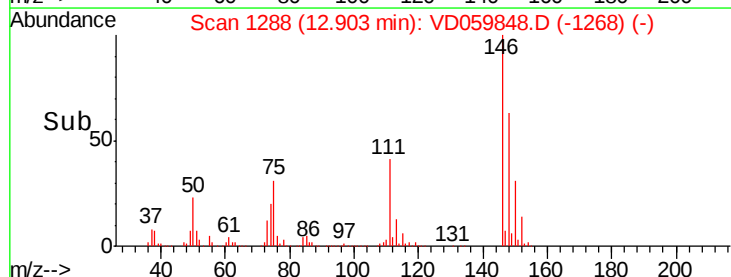
148 63.0 31.9 95.9

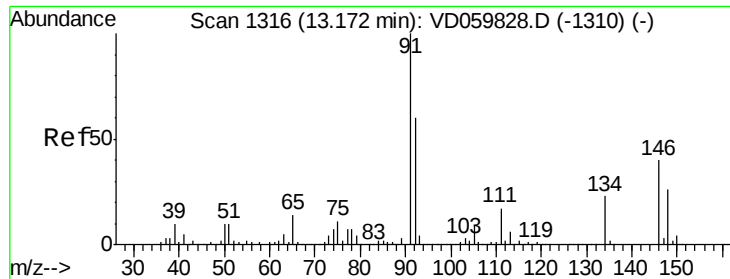


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

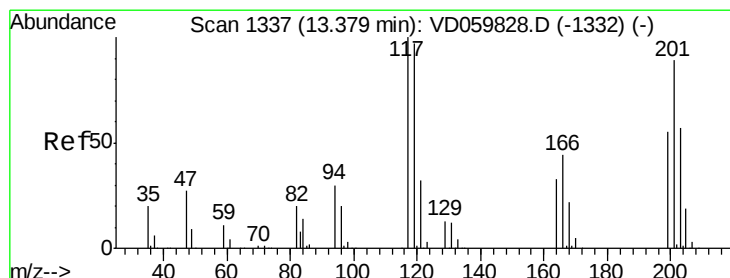
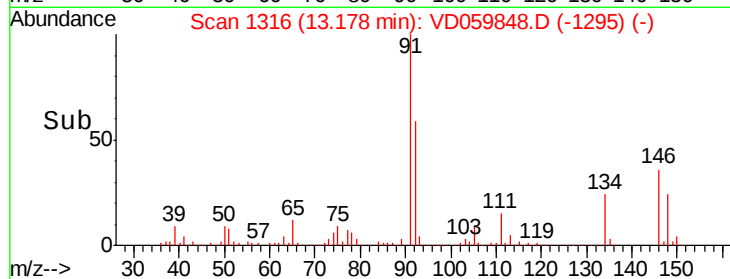
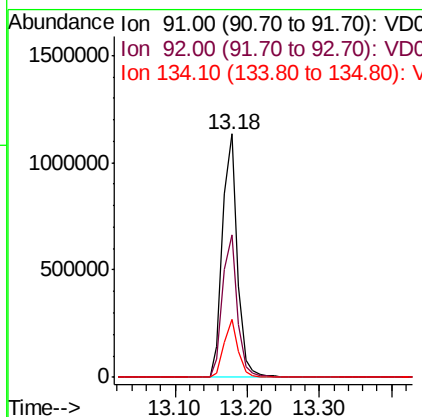
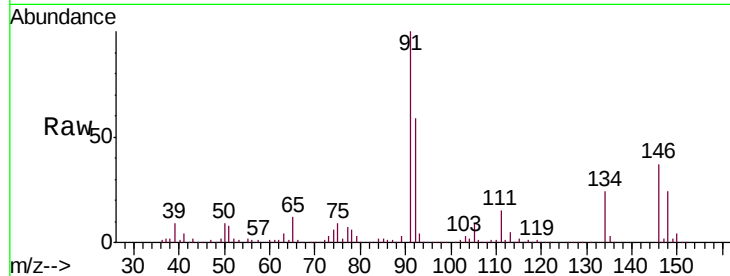




#89
n-Butylbenzene
Concen: 50.043 ug/l
RT: 13.18 min Scan# 1316
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

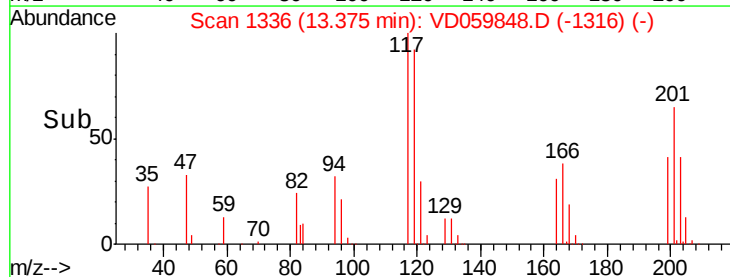
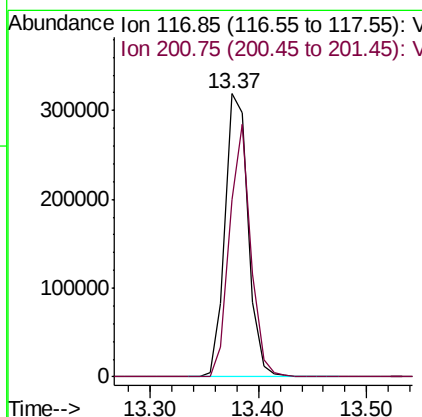
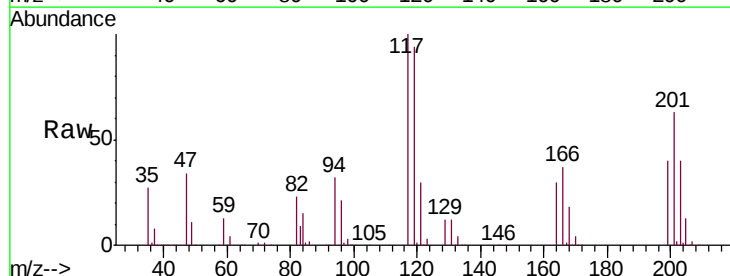
Instrument :
MSVOA_D
ClientSampleId :
BFB

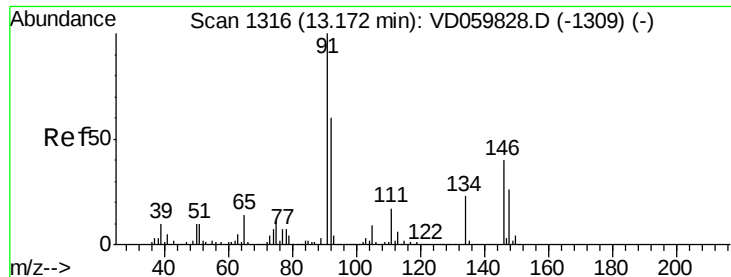
Tgt Ion: 91 Resp: 1603436
Ion Ratio Lower Upper
91 100
92 58.7 29.8 89.5
134 23.9 11.5 34.4



#90
Hexachloroethane
Concen: 48.631 ug/l
RT: 13.37 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Tgt Ion: 117 Resp: 478268
Ion Ratio Lower Upper
117 100
201 62.7 44.6 134.0





#91

1,2-Dichlorobenzene

Concen: 50.144 ug/l

RT: 13.17 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

ClientSampleId :

BFB

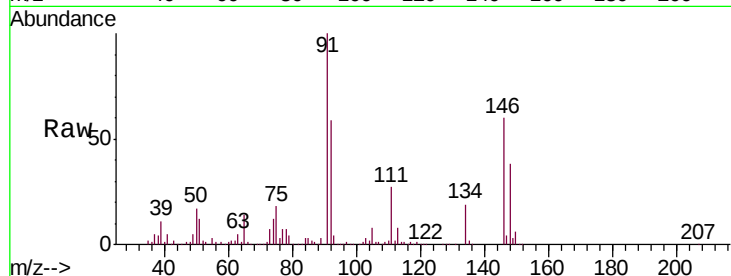
Tgt Ion:146 Resp: 744394

Ion Ratio Lower Upper

146 100

111 44.4 20.9 62.8

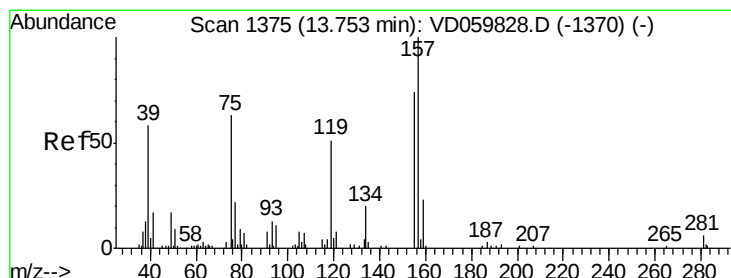
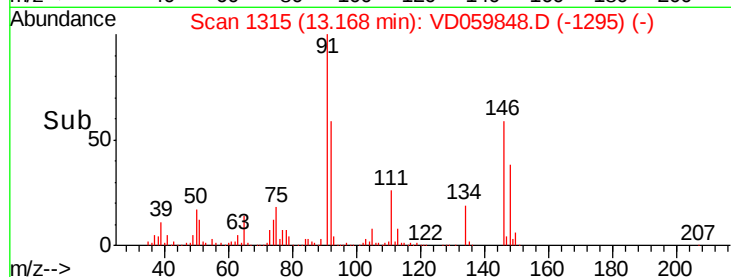
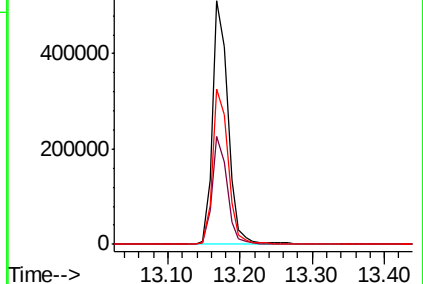
148 63.8 31.6 94.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.292 ug/l

RT: 13.75 min Scan# 1374

Delta R.T. -0.00 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

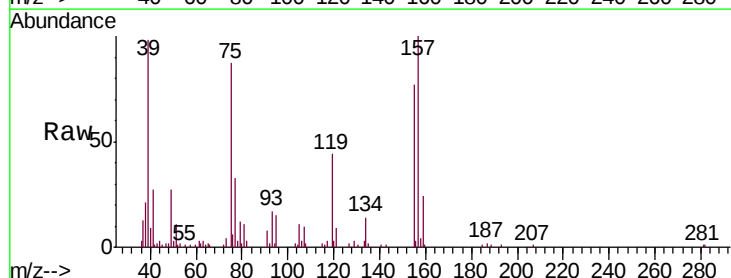
Tgt Ion: 75 Resp: 66746

Ion Ratio Lower Upper

75 100

155 88.2 59.1 177.3

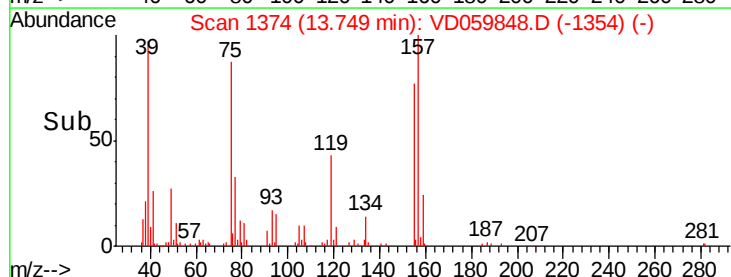
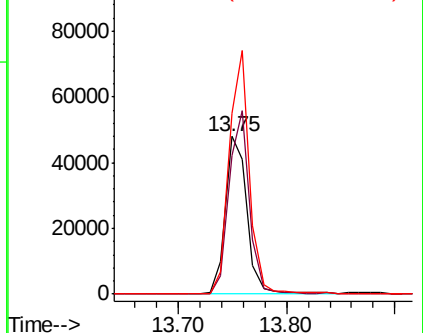
157 114.5 79.7 238.9

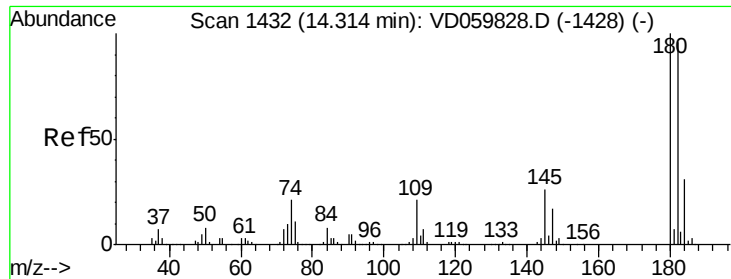


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

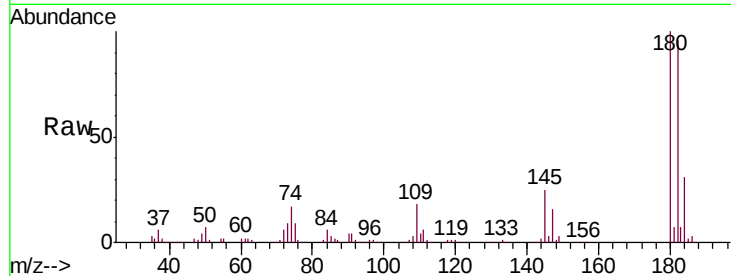




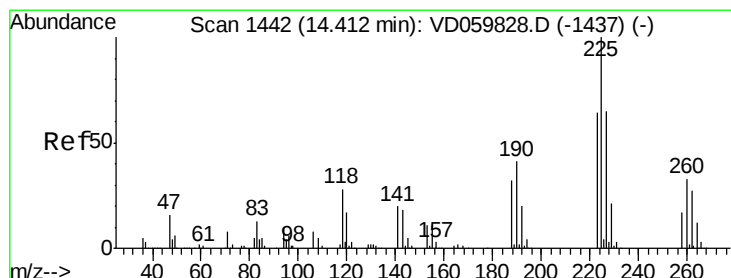
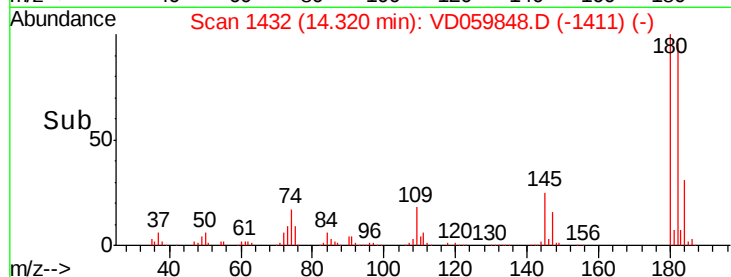
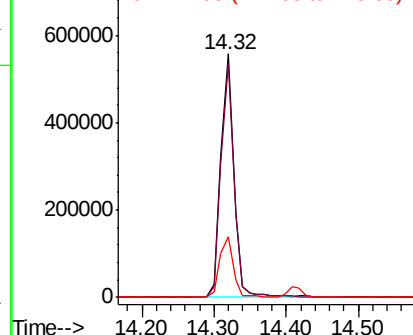
#93
 1,2,4-Trichlorobenzene
 Concen: 49.301 ug/l
 RT: 14.32 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: VD059848.D
 Acq: 21 Aug 2018 11:15

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

Tgt Ion:180 Resp: 695661
 Ion Ratio Lower Upper
 180 100
 182 96.0 48.0 144.0
 145 24.7 13.1 39.1

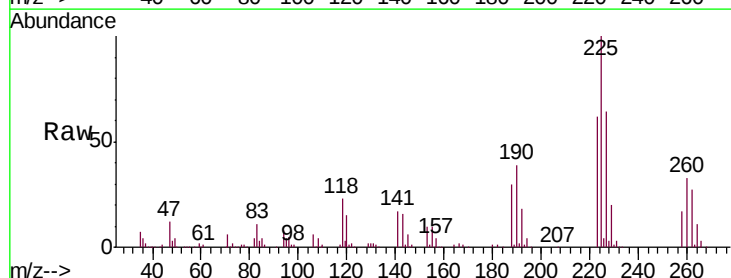


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

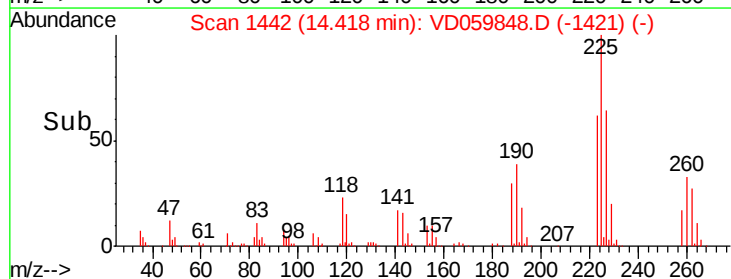
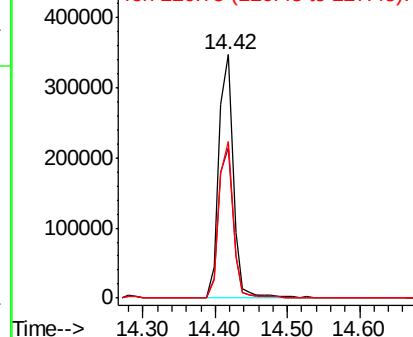


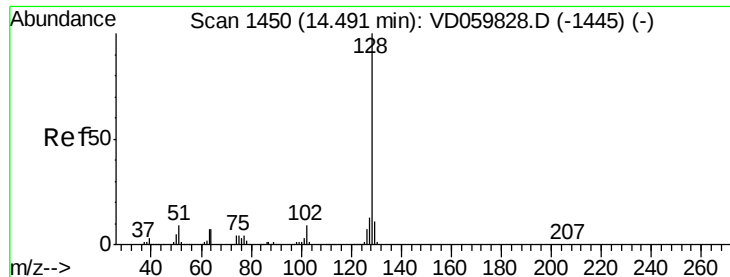
#94
 Hexachlorobutadiene
 Concen: 50.562 ug/l
 RT: 14.42 min Scan# 1442
 Delta R.T. 0.01 min
 Lab File: VD059848.D
 Acq: 21 Aug 2018 11:15

Tgt Ion:225 Resp: 479972
 Ion Ratio Lower Upper
 225 100
 223 61.7 31.8 95.4
 227 64.3 32.8 98.3



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: 47.799 ug/l

RT: 14.50 min Scan# 1450

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

ClientSampleID :

BFB

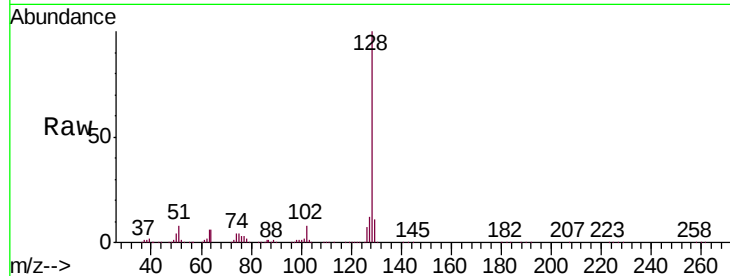
Tgt Ion:128 Resp: 1101845

Ion Ratio Lower Upper

128 100

127 12.4 10.1 15.1

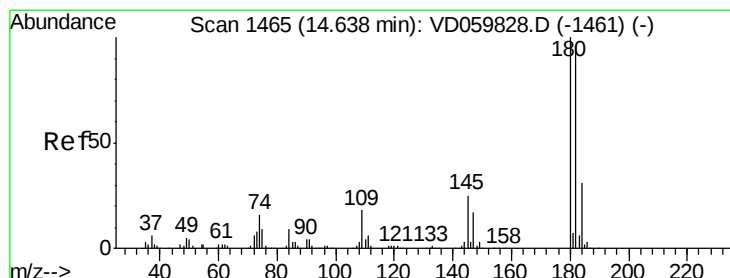
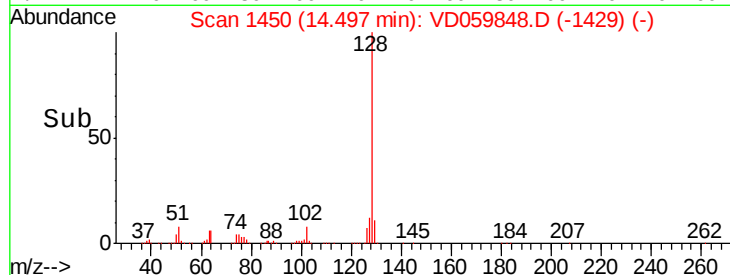
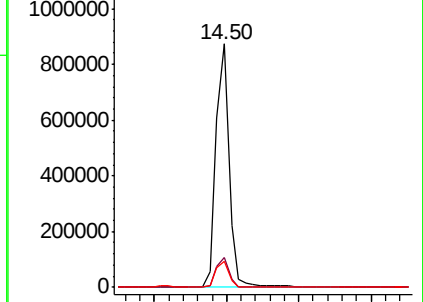
129 10.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.558 ug/l

RT: 14.64 min Scan# 1465

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

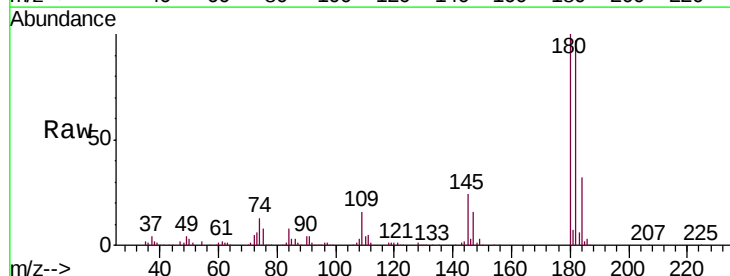
Tgt Ion:180 Resp: 600475

Ion Ratio Lower Upper

180 100

182 96.6 47.8 143.4

145 24.4 12.7 38.0



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

