

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081618\
 Data File : VD059807.D
 Acq On : 16 Aug 2018 12:15
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

Quant Time: Aug 17 01:08:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 16:08:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	284467	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.68	114	359840	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	298263	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	165647	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.00	65	190991	52.25	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	104.50%	
35) Dibromofluoromethane	5.53	113	164921	52.59	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	105.18%	
50) Toluene-d8	8.69	98	397755	53.55	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	107.10%	
62) 4-Bromofluorobenzene	11.92	95	171434	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.33	85	161143	46.486	ug/l	96
3) Chloromethane	1.47	50	89835	47.208	ug/l	99
4) Vinyl Chloride	1.54	62	100918	50.065	ug/l	97
5) Bromomethane	1.78	94	32940	51.325	ug/l	99
6) Chloroethane	1.87	64	39747	47.278	ug/l	89
7) Trichlorofluoromethane	2.07	101	144126	45.531	ug/l	97
8) Diethyl Ether	2.33	74	32747	53.770	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.54	101	84236	47.451	ug/l	96
10) Methyl Iodide	2.67	142	93190	43.461	ug/l	98
11) Tert butyl alcohol	3.25	59	28823	222.891	ug/l	97
12) 1,1-Dichloroethene	2.53	96	62721	48.867	ug/l	98
13) Acrolein	2.46	56	36520	303.098	ug/l	89
14) Allyl chloride	2.90	41	156813	48.622	ug/l	97
15) Acrylonitrile	3.34	53	102069	225.297	ug/l	97
16) Acetone	2.59	43	184447	319.772	ug/l	94
17) Carbon Disulfide	2.74	76	221983	51.610	ug/l	97
18) Methyl Acetate	2.92	43	61640	50.002	ug/l	96
19) Methyl tert-butyl Ether	3.38	73	304729	48.642	ug/l	99
20) Methylene Chloride	3.05	84	76334	48.764	ug/l	97
21) trans-1,2-Dichloroethene	3.37	96	114403	45.234	ug/l	97
22) Diisopropyl ether	4.05	45	399259	45.888	ug/l	96
23) Vinyl Acetate	4.00	43	1190480	241.601	ug/l	100
24) 1,1-Dichloroethane	3.95	63	228825	44.332	ug/l	99
25) 2-Butanone	4.82	43	241610	273.682	ug/l	99
26) 2,2-Dichloropropane	4.78	77	249424	52.845	ug/l	100
27) cis-1,2-Dichloroethene	4.79	96	130076	46.941	ug/l	95
28) Bromochloromethane	5.12	49	97295	48.039	ug/l	98
29) Tetrahydrofuran	5.16	42	91702	243.464	ug/l	99
30) Chloroform	5.30	83	282388	45.562	ug/l	98
31) Cyclohexane	5.58	56	162431	43.755	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	267557	49.098	ug/l	100
36) 1,1-Dichloropropene	5.72	75	184454	49.962	ug/l	98
37) Ethyl Acetate	4.91	43	99398	53.830	ug/l	98
38) Carbon Tetrachloride	5.70	117	227612	51.102	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	159167	49.839	ug/l	98
40) Benzene	6.00	78	375553	47.957	ug/l	99
41) Methacrylonitrile	5.10	41	48290	54.663	ug/l	94
42) 1,2-Dichloroethane	6.11	62	225869	53.296	ug/l	97
43) Isopropyl Acetate	7.60	43	123585	53.000	ug/l	92
44) Trichloroethene	6.96	130	133867	49.922	ug/l	91
45) 1,2-Dichloropropane	7.33	63	104520	51.350	ug/l	98
46) Dibromomethane	7.44	93	84477	50.744	ug/l	95
47) Bromodichloromethane	7.73	83	208297	51.067	ug/l	97
48) Methyl methacrylate	7.48	41	82391	54.150	ug/l	95
49) 1,4-Dioxane	7.47	88	15614	1165.250	ug/l	88
51) 4-Methyl-2-Pentanone	8.59	43	490821	278.467	ug/l	99
52) Toluene	8.78	92	240122	47.865	ug/l	99
53) t-1,3-Dichloropropene	9.18	75	179174	52.981	ug/l	99
54) cis-1,3-Dichloropropene	8.35	75	191473	52.389	ug/l	97
55) 1,1,2-Trichloroethane	9.44	97	88569	47.821	ug/l	98
56) Ethyl methacrylate	9.30	69	104651	52.177	ug/l	96
57) 1,3-Dichloropropane	9.65	76	144775	49.900	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.17	63	252594	254.805	ug/l	100
59) 2-Hexanone	9.78	43	391469	309.735	ug/l	97
60) Dibromochloromethane	9.94	129	143801	53.477	ug/l	98
61) 1,2-Dibromoethane	10.08	107	107304	52.304	ug/l	99
64) Tetrachloroethene	9.50	164	123053	47.902	ug/l	98
65) Chlorobenzene	10.71	112	289307	47.896	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.84	131	129102	53.028	ug/l	97
67) Ethyl Benzene	10.85	91	523098	50.298	ug/l	97
68) m/p-Xylenes	11.01	106	346008	98.160	ug/l	95
69) o-Xylene	11.40	106	165176	48.818	ug/l	90
70) Styrene	11.42	104	291251	48.537	ug/l	95
71) Bromoform	11.59	173	97718	55.217	ug/l	94
73) Isopropylbenzene	11.76	105	498662	47.543	ug/l	100
74) N-amyl acetate	11.63	43	169566	52.727	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.07	83	106898	50.189	ug/l	99
76) 1,2,3-Trichloropropane	12.10	75	121009	51.489	ug/l	95
77) Bromobenzene	12.03	156	142976	47.703	ug/l	83
78) n-propylbenzene	12.15	91	626668	47.898	ug/l	100
79) 2-Chlorotoluene	12.21	91	382957	48.539	ug/l	99
80) 1,3,5-Trimethylbenzene	12.31	105	412329	49.097	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.83	75	32424	58.968	ug/l	91
82) 4-Chlorotoluene	12.31	91	428078	47.802	ug/l	92
83) tert-Butylbenzene	12.57	119	459990	49.570	ug/l	93
84) 1,2,4-Trimethylbenzene	12.62	105	439709	48.586	ug/l	100
85) sec-Butylbenzene	12.75	105	524925	48.806	ug/l	99
86) p-Isopropyltoluene	12.87	119	447526	49.726	ug/l	97
87) 1,3-Dichlorobenzene	12.84	146	259901	48.359	ug/l	96
88) 1,4-Dichlorobenzene	12.92	146	259027	48.613	ug/l	99
89) n-Butylbenzene	13.19	91	429089	47.155	ug/l	99
90) Hexachloroethane	13.40	117	117414	51.991	ug/l	82
91) 1,2-Dichlorobenzene	13.19	146	214674	48.564	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	21388	56.284	ug/l	69

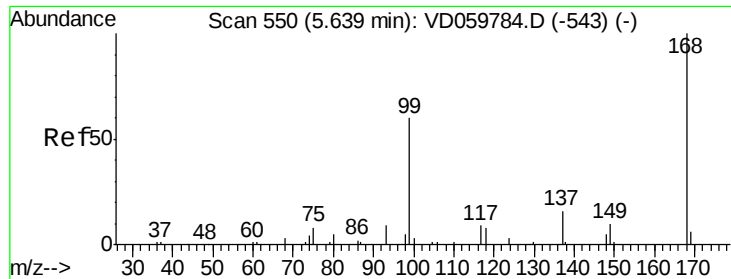
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	186743	50.524	ug/l	98
94) Hexachlorobutadiene	14.43	225	136544	50.047	ug/l	97
95) Naphthalene	14.51	128	282811	49.977	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	171174	52.483	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 549

Delta R.T. -0.01 min

Lab File: VD059807.D

Acq: 16 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

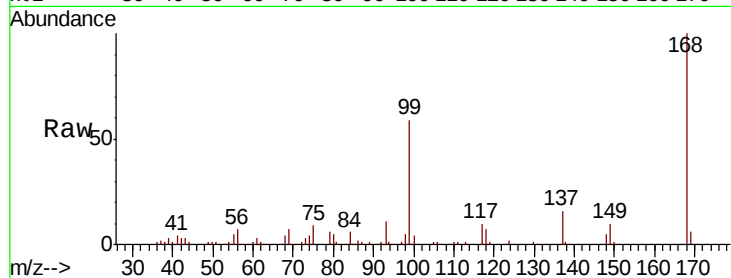
BFB

Tgt Ion:168 Resp: 284467

Ion Ratio Lower Upper

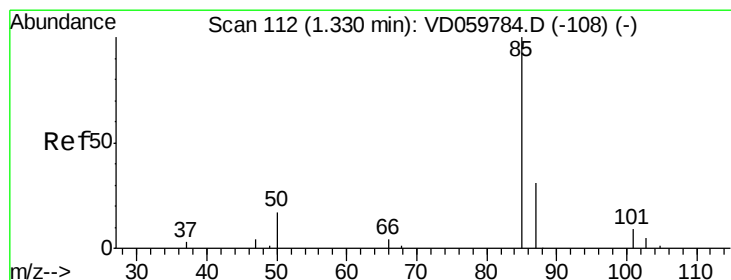
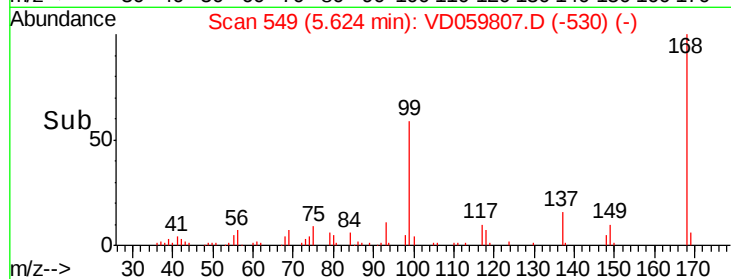
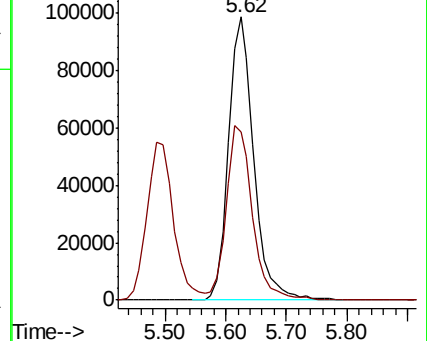
168 100

99 59.5 50.3 75.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 46.486 ug/l

RT: 1.33 min Scan# 112

Delta R.T. -0.00 min

Lab File: VD059807.D

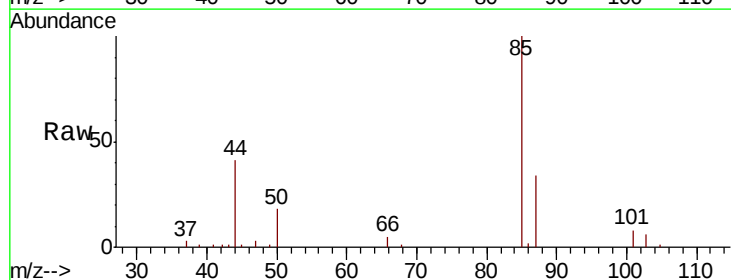
Acq: 16 Aug 2018 12:15

Tgt Ion: 85 Resp: 161143

Ion Ratio Lower Upper

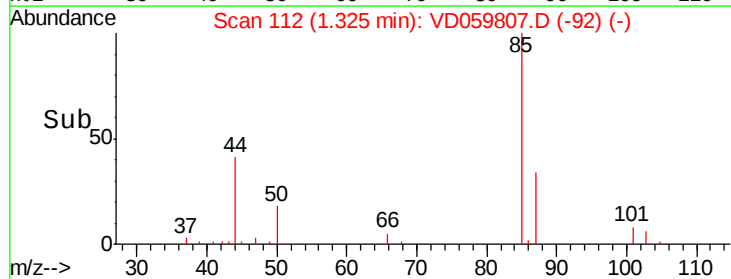
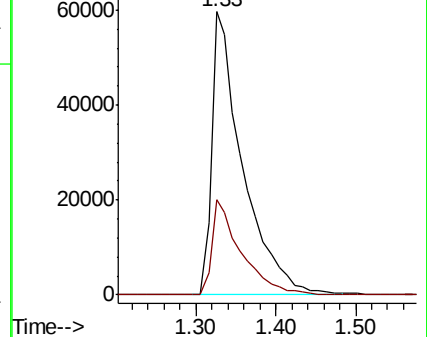
85 100

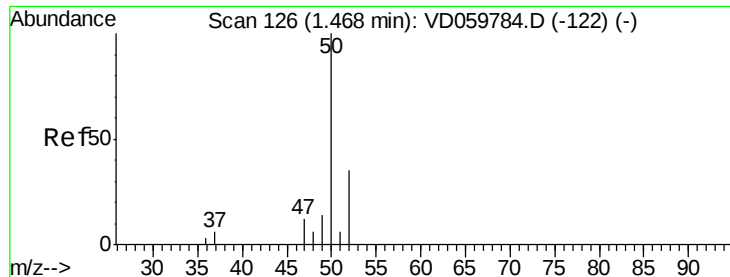
87 33.7 15.7 47.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 47.208 ug/l

RT: 1.47 min Scan# 127

Delta R.T. 0.01 min

Lab File: VD059807.D

Acq: 16 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

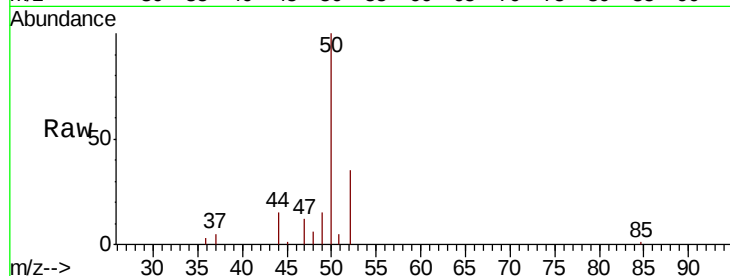
BFB

Tgt Ion: 50 Resp: 89835

Ion Ratio Lower Upper

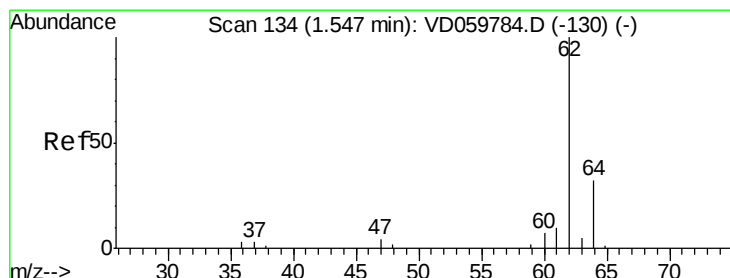
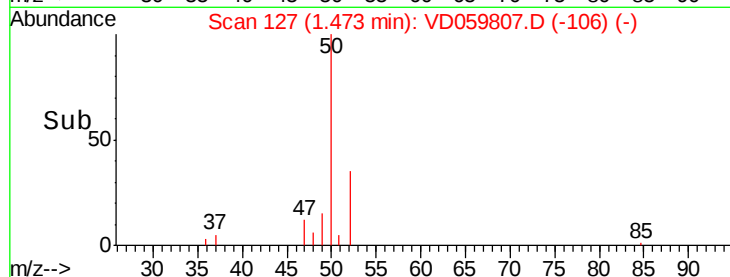
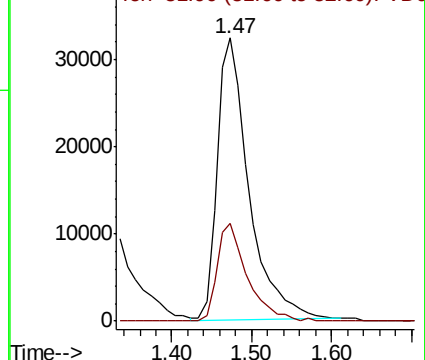
50 100

52 34.6 28.4 42.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 50.065 ug/l

RT: 1.54 min Scan# 134

Delta R.T. -0.00 min

Lab File: VD059807.D

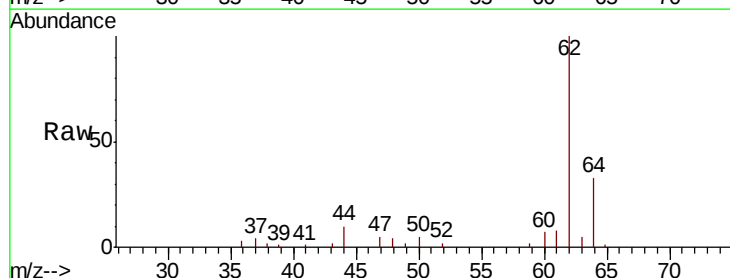
Acq: 16 Aug 2018 12:15

Tgt Ion: 62 Resp: 100918

Ion Ratio Lower Upper

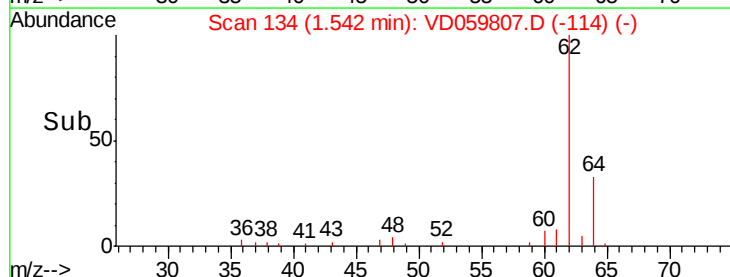
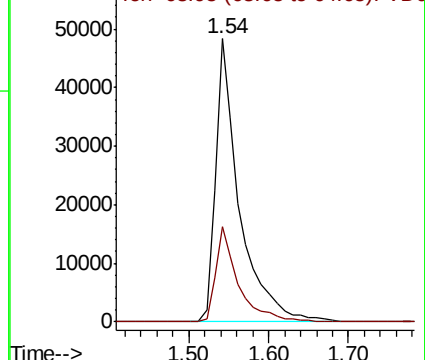
62 100

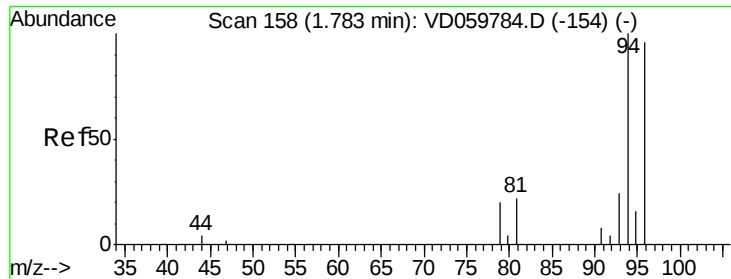
64 33.5 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 51.325 ug/l

RT: 1.78 min Scan# 158

Delta R.T. -0.00 min

Lab File: VD059807.D

Acq: 16 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

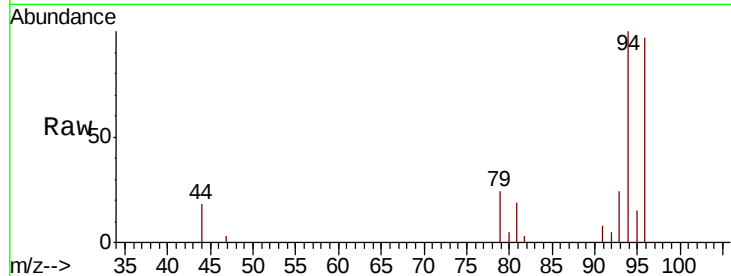
BFB

Tgt Ion: 94 Resp: 32940

Ion Ratio Lower Upper

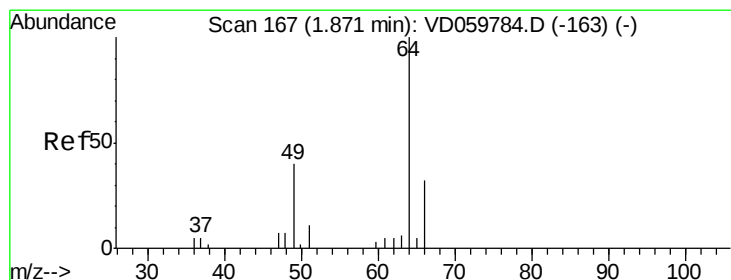
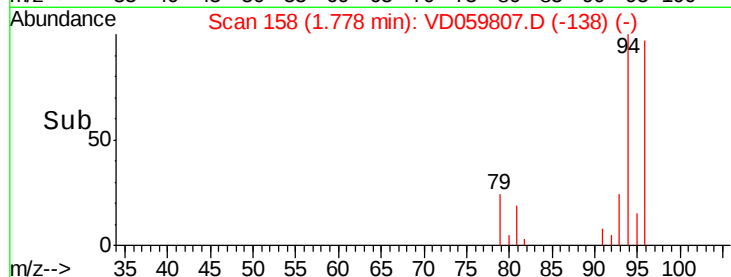
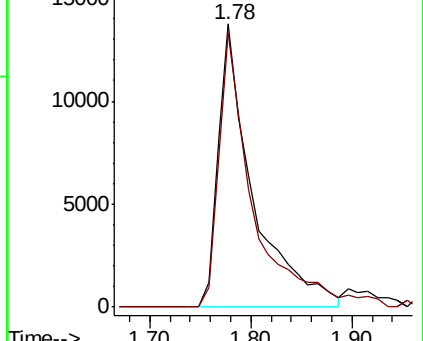
94 100

96 97.1 76.7 115.1



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 47.278 ug/l

RT: 1.87 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD059807.D

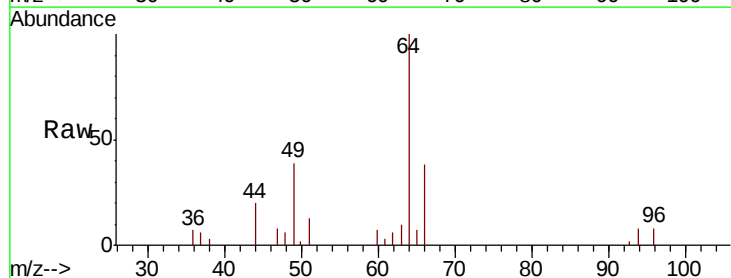
Acq: 16 Aug 2018 12:15

Tgt Ion: 64 Resp: 39747

Ion Ratio Lower Upper

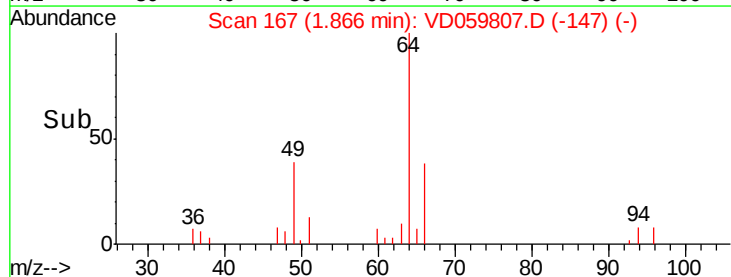
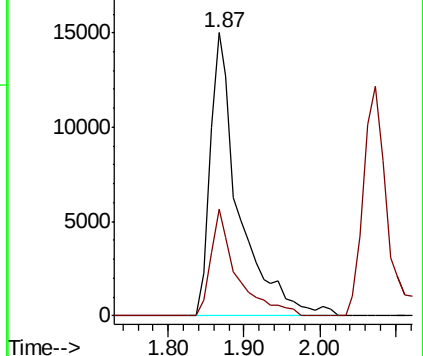
64 100

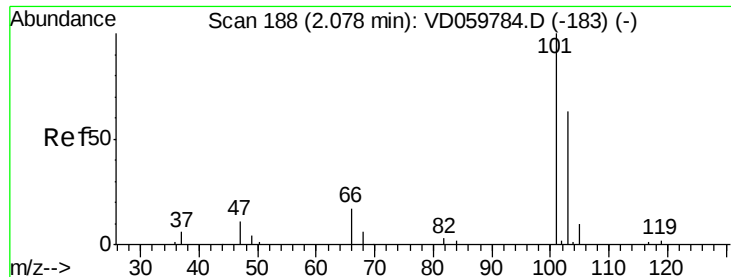
66 37.8 25.4 38.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



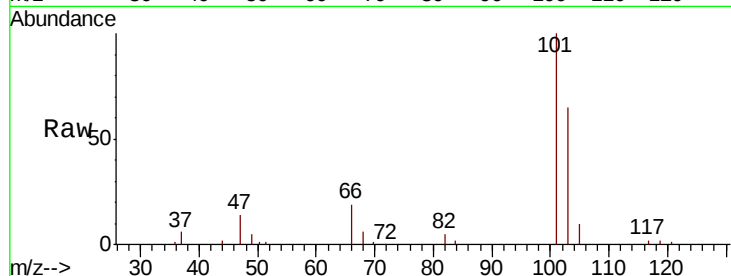


#7

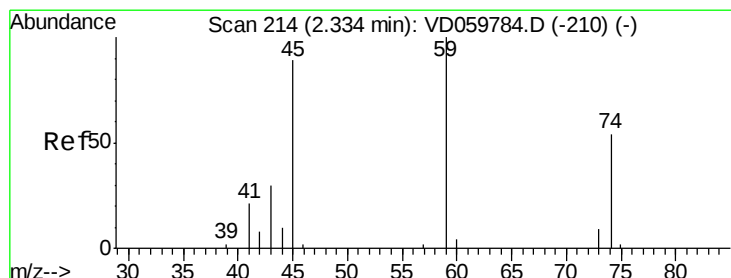
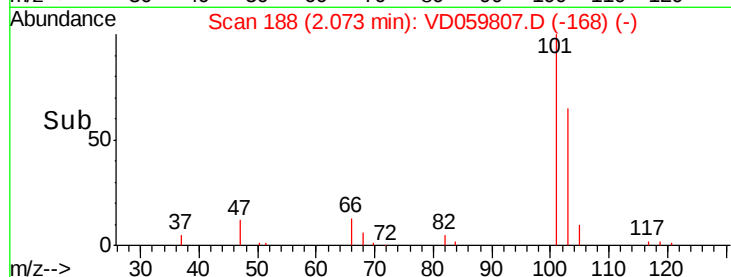
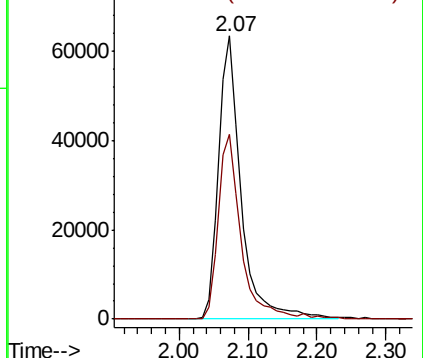
Trichlorofluoromethane
 Concen: 45.531 ug/l
 RT: 2.07 min Scan# 188
 Delta R.T. -0.00 min
 Lab File: VD059807.D
 Acq: 16 Aug 2018 12:15

Instrument :
 MSVOA_D
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Tgt Ion: 101 Resp: 144126
 Ion Ratio Lower Upper
 101 100
 103 65.1 50.4 75.6



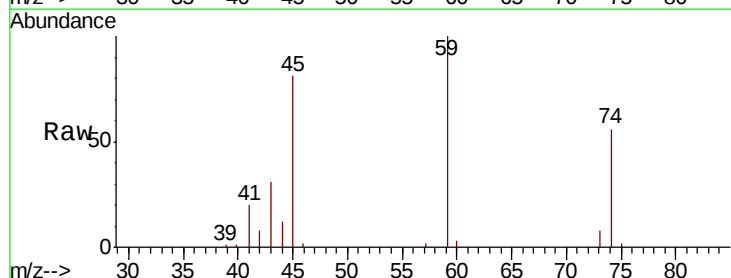
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



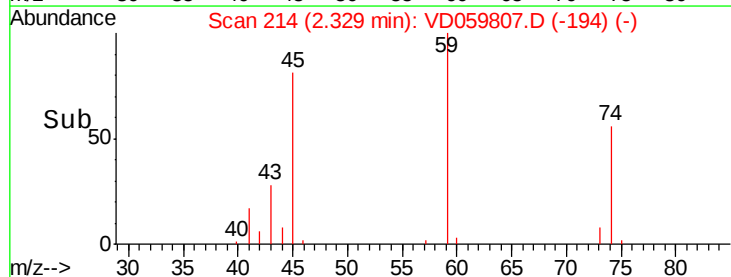
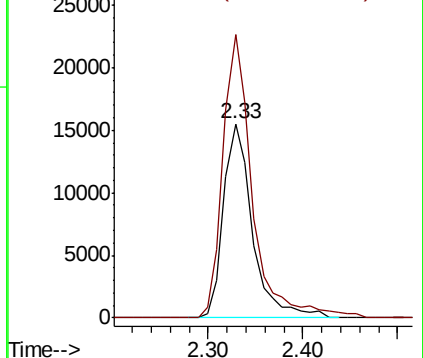
#8

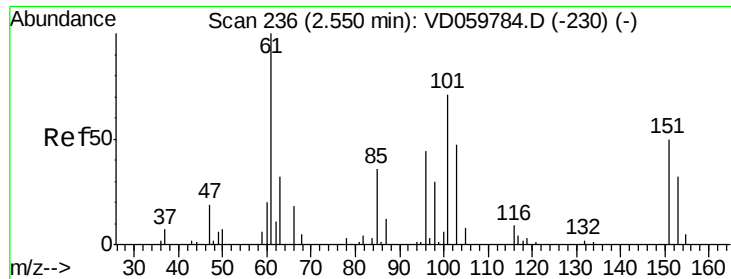
Diethyl Ether
 Concen: 53.770 ug/l
 RT: 2.33 min Scan# 214
 Delta R.T. -0.00 min
 Lab File: VD059807.D
 Acq: 16 Aug 2018 12:15

Tgt Ion: 74 Resp: 32747
 Ion Ratio Lower Upper
 74 100
 45 145.8 81.6 244.8



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: 47.451 ug/l

RT: 2.54 min Scan# 235

Delta R.T. -0.01 min

Lab File: VD059807.D

Acq: 16 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampled :

BFB

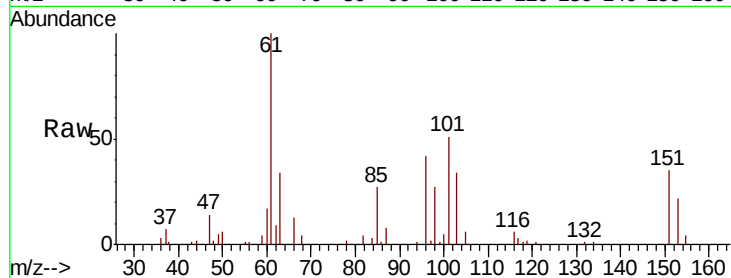
Tgt Ion:101 Resp: 84236

Ion Ratio Lower Upper

101 100

85 53.5 40.6 61.0

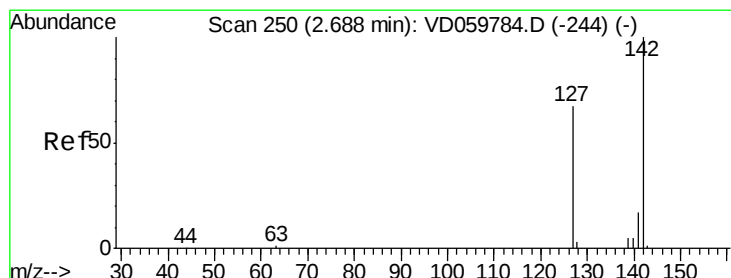
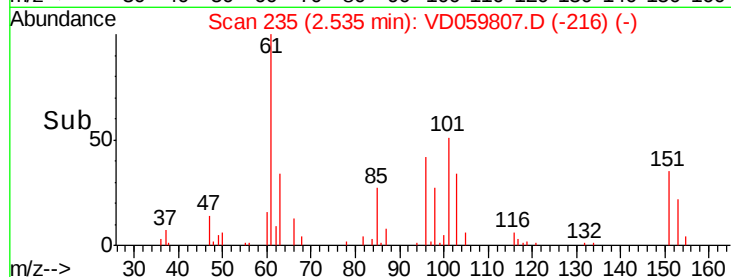
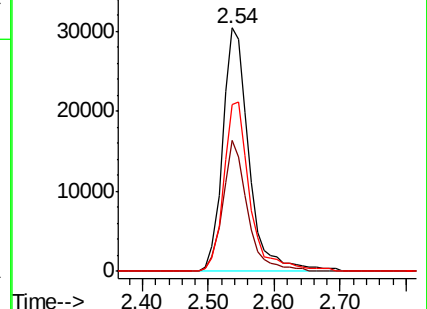
151 68.4 57.1 85.7



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: 43.461 ug/l

RT: 2.67 min Scan# 249

Delta R.T. -0.01 min

Lab File: VD059807.D

Acq: 16 Aug 2018 12:15

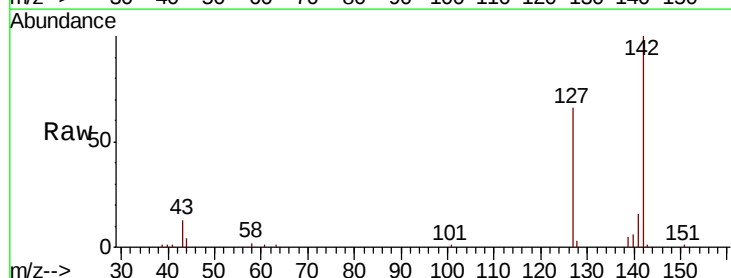
Tgt Ion:142 Resp: 93190

Ion Ratio Lower Upper

142 100

127 66.1 54.0 81.0

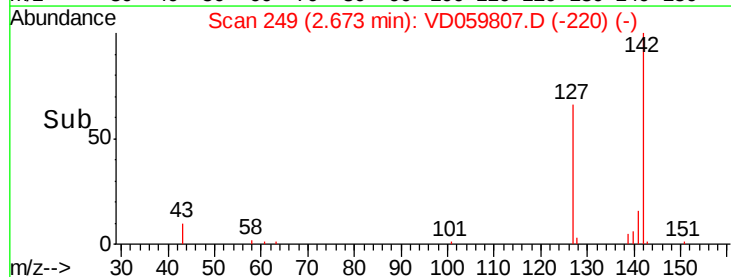
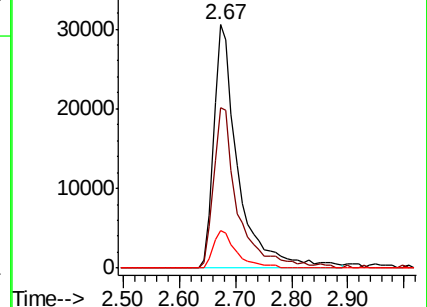
141 15.6 13.3 19.9

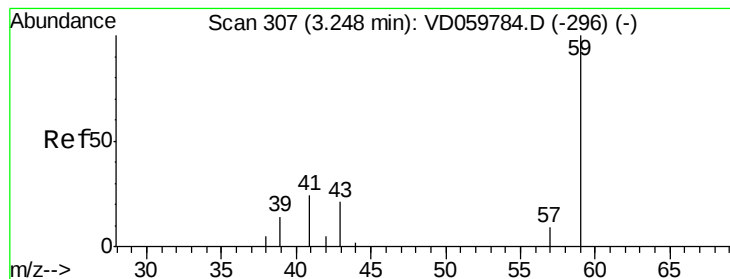


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



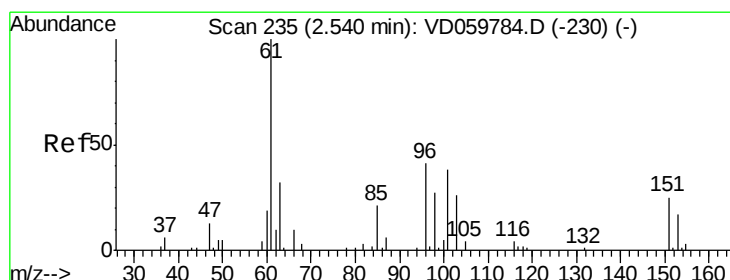
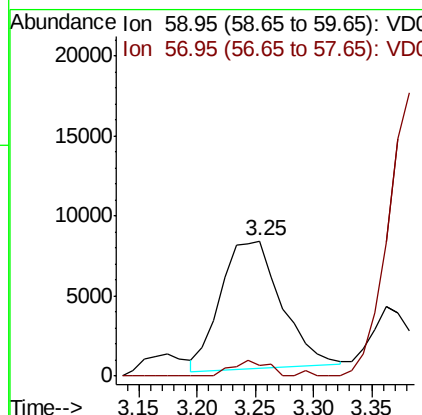
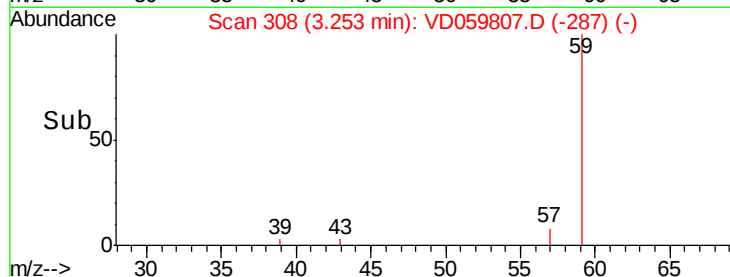
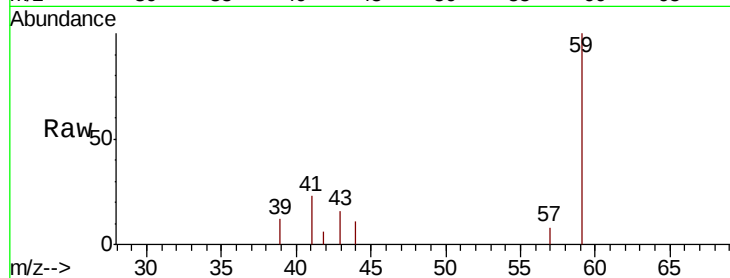


#11

Tert butyl alcohol
Concen: 222.891 ug/l
RT: 3.25 min Scan# 308
Delta R.T. 0.01 min
Lab File: VD059807.D
Acq: 16 Aug 2018 12:15

Instrument :
MSVOA_D
ClientSampleId :
BFB

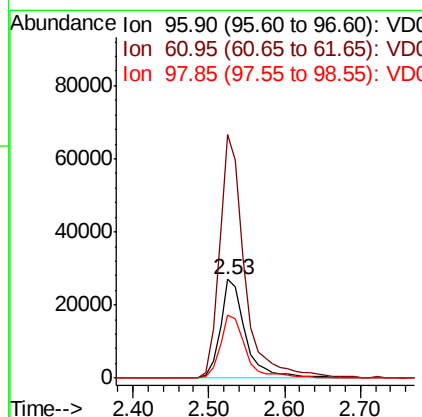
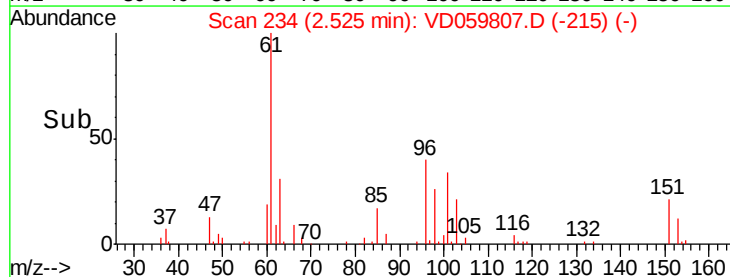
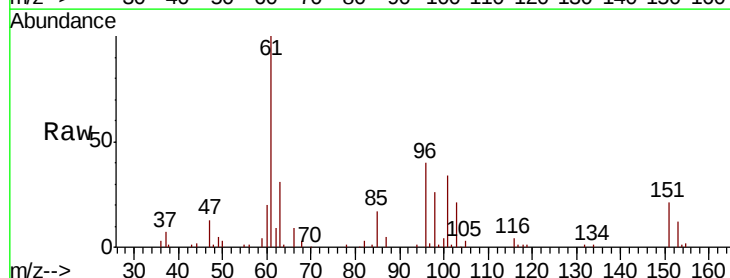
Tgt Ion: 59 Resp: 28823
Ion Ratio Lower Upper
59 100
57 8.4 7.5 11.3

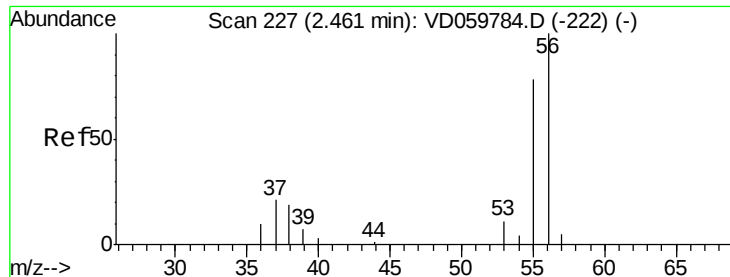


#12

1,1-Dichloroethene
Concen: 48.867 ug/l
RT: 2.53 min Scan# 234
Delta R.T. -0.01 min
Lab File: VD059807.D
Acq: 16 Aug 2018 12:15

Tgt Ion: 96 Resp: 62721
Ion Ratio Lower Upper
96 100
61 246.9 194.1 291.1
98 64.6 52.3 78.5

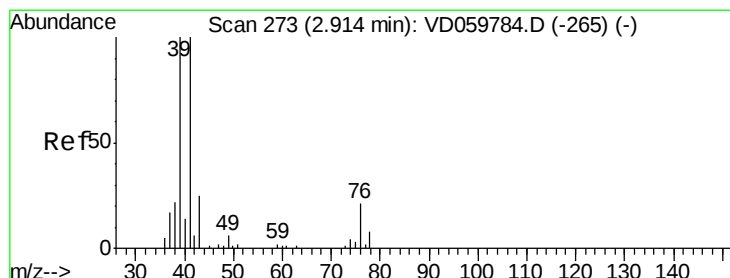
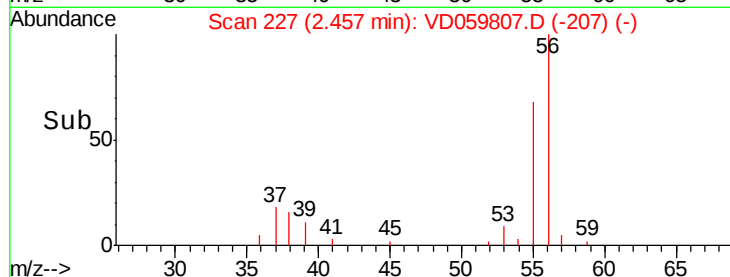
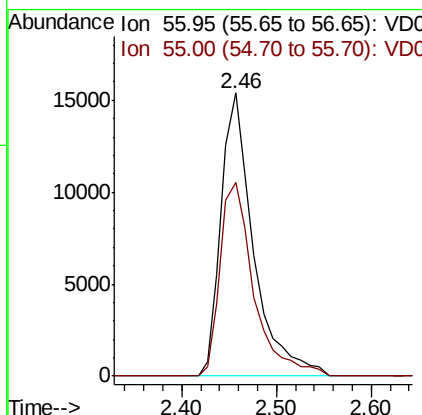
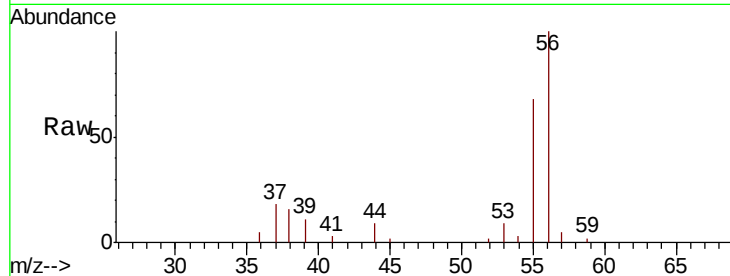




#13
 Acrolein
 Concen: 303.098 ug/l
 RT: 2.46 min Scan# 227
 Delta R.T. -0.00 min
 Lab File: VD059807.D
 Acq: 16 Aug 2018 12:15

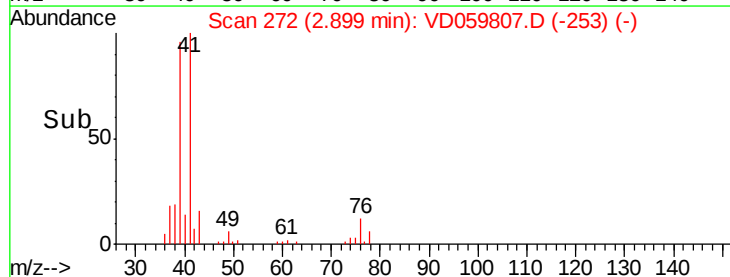
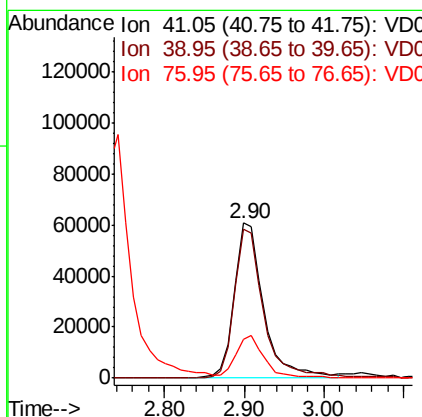
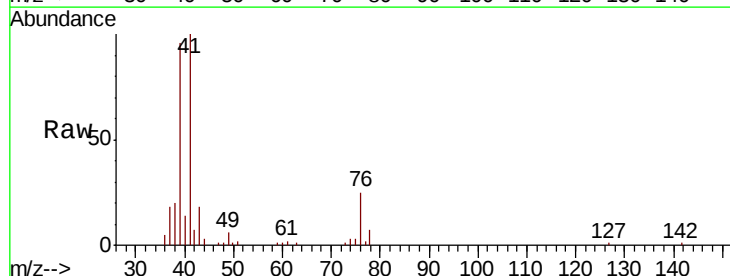
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

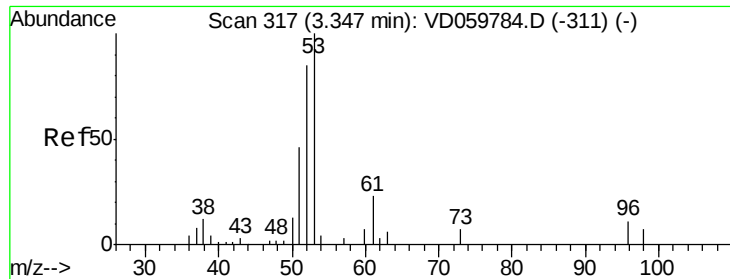
Tgt Ion: 56 Resp: 36520
 Ion Ratio Lower Upper
 56 100
 55 68.3 62.2 93.2



#14
 Allyl chloride
 Concen: 48.622 ug/l
 RT: 2.90 min Scan# 272
 Delta R.T. -0.01 min
 Lab File: VD059807.D
 Acq: 16 Aug 2018 12:15

Tgt Ion: 41 Resp: 156813
 Ion Ratio Lower Upper
 41 100
 39 96.0 79.8 119.6
 76 24.9 20.4 30.6

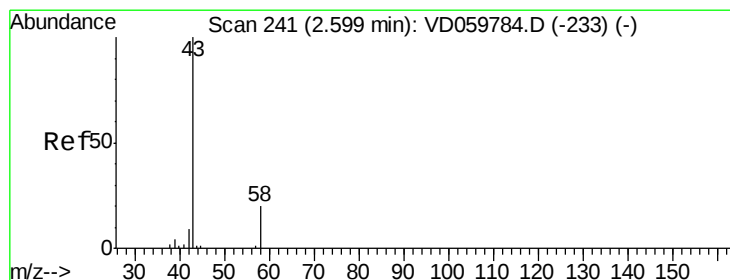
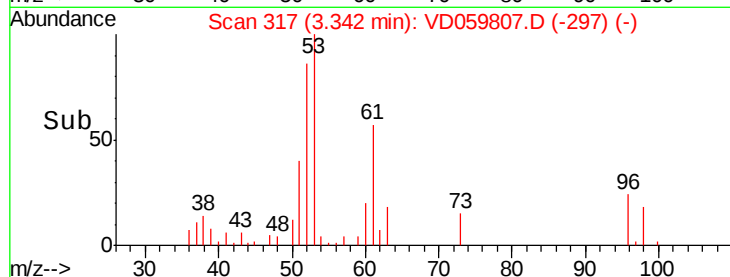
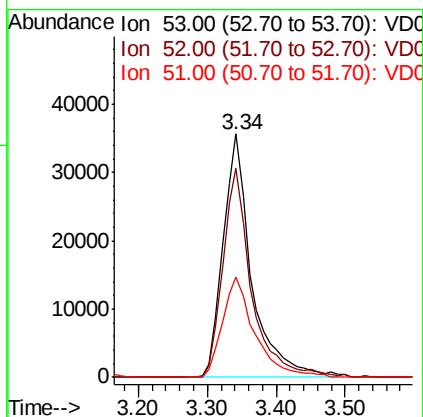
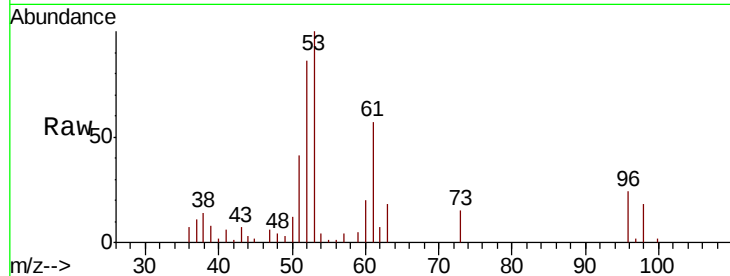




#15
 Acrylonitrile
 Concen: 225.297 ug/l
 RT: 3.34 min Scan# 317
 Delta R.T. -0.00 min
 Lab File: VD059807.D
 Acq: 16 Aug 2018 12:15

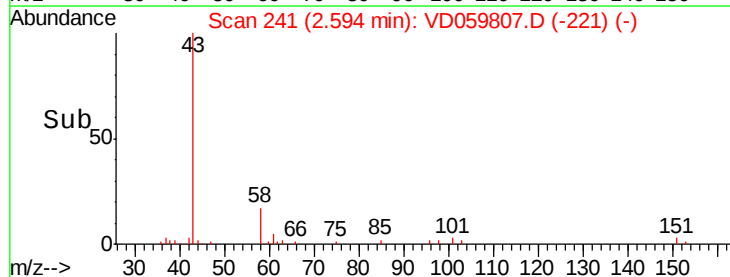
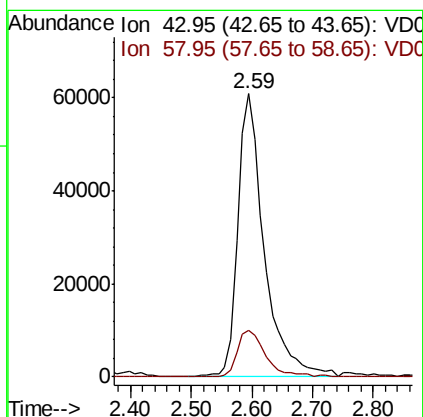
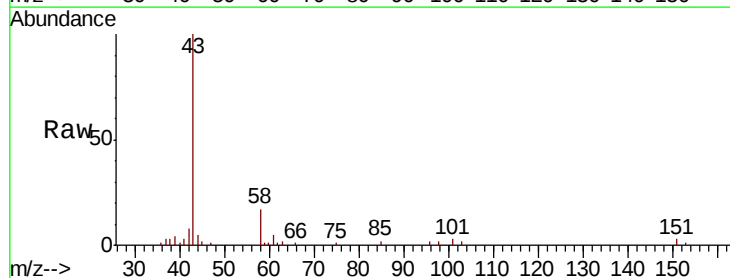
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

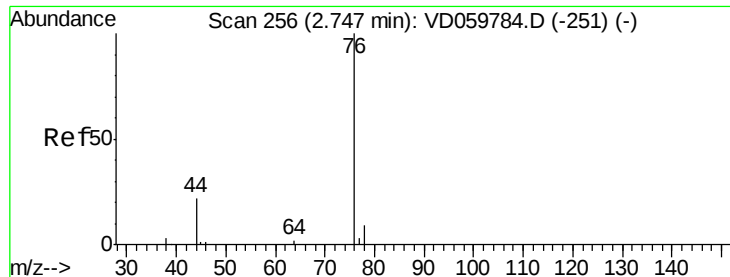
Tgt Ion: 53 Resp: 102069
 Ion Ratio Lower Upper
 53 100
 52 85.8 68.2 102.2
 51 41.1 36.6 54.8



#16
 Acetone
 Concen: 319.772 ug/l
 RT: 2.59 min Scan# 241
 Delta R.T. -0.00 min
 Lab File: VD059807.D
 Acq: 16 Aug 2018 12:15

Tgt Ion: 43 Resp: 184447
 Ion Ratio Lower Upper
 43 100
 58 16.7 15.7 23.5





#17

Carbon Disulfide

Concen: 51.610 ug/l

RT: 2.74 min Scan# 256

Delta R.T. -0.00 min

Lab File: VD059807.D

Acq: 16 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

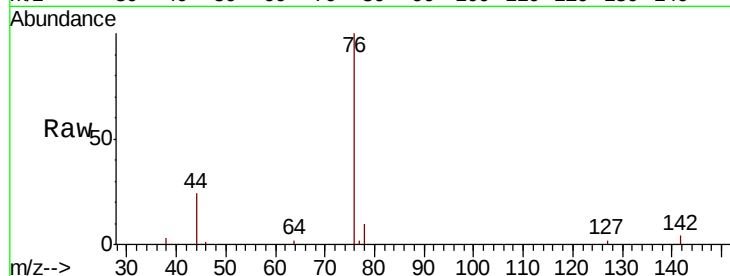
BFB

Tgt Ion: 76 Resp: 221983

Ion Ratio Lower Upper

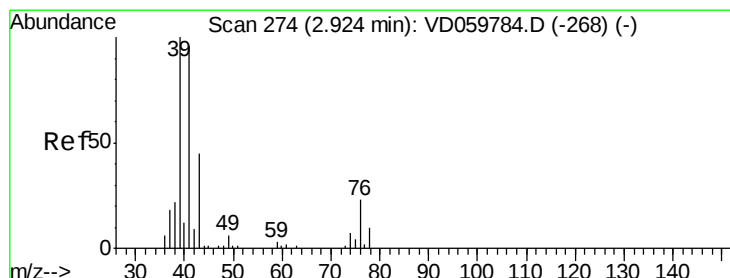
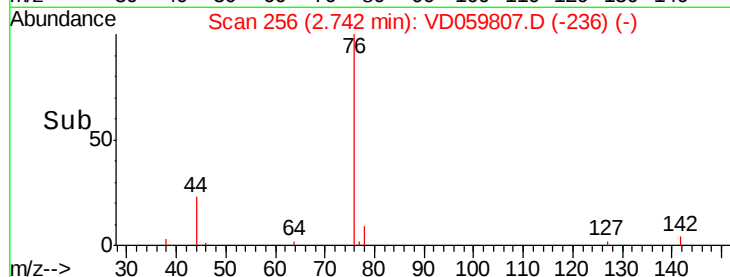
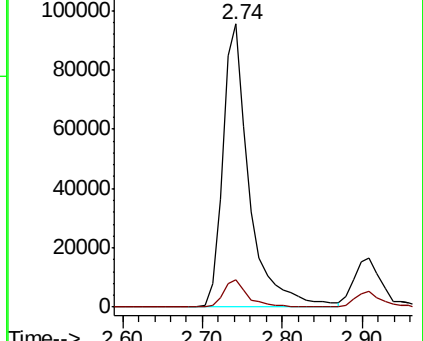
76 100

78 9.6 6.9 10.3



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 50.002 ug/l

RT: 2.92 min Scan# 274

Delta R.T. -0.00 min

Lab File: VD059807.D

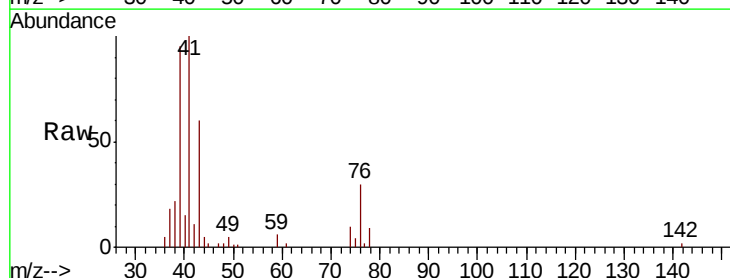
Acq: 16 Aug 2018 12:15

Tgt Ion: 43 Resp: 61640

Ion Ratio Lower Upper

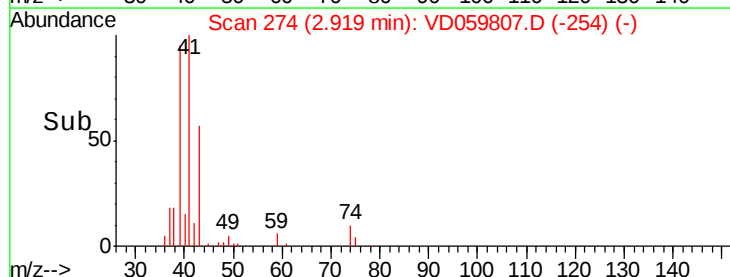
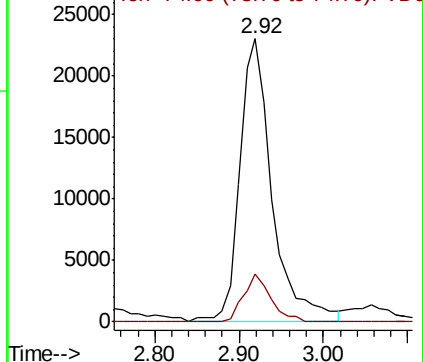
43 100

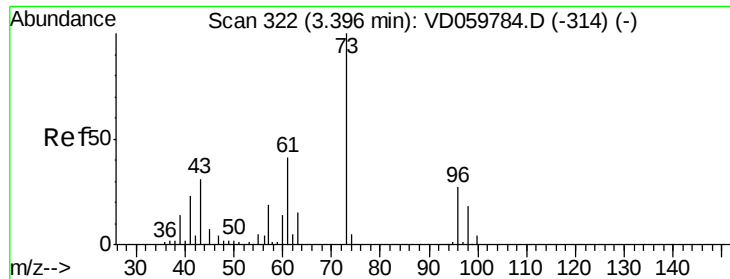
74 17.0 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

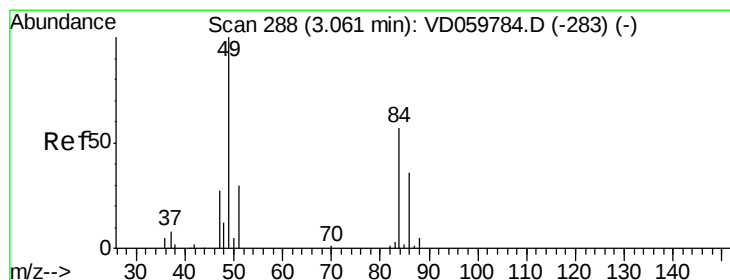
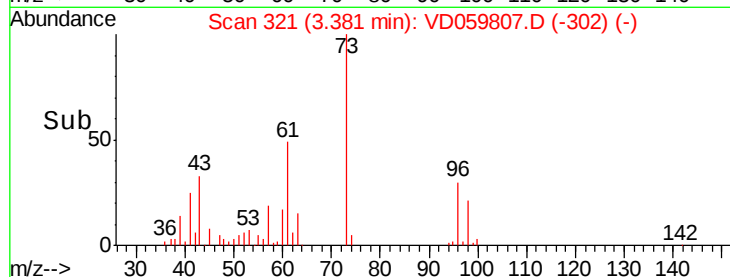
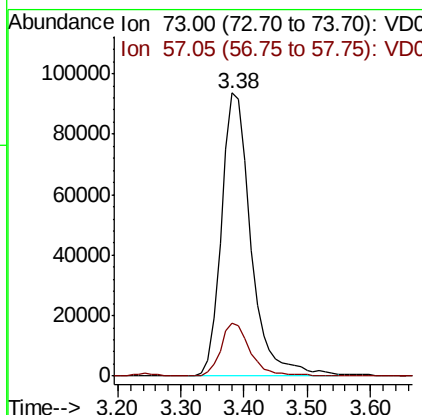
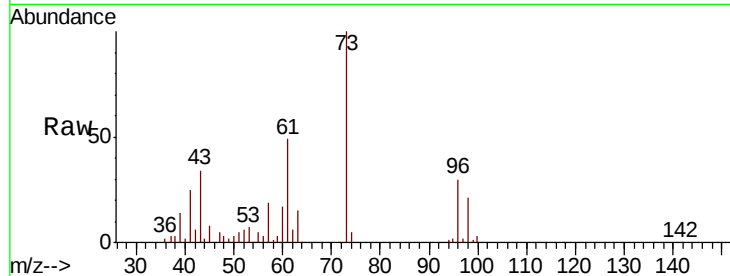




#19
Methyl tert-butyl Ether
Concen: 48.642 ug/l
RT: 3.38 min Scan# 321
Delta R.T. -0.01 min
Lab File: VD059807.D
Acq: 16 Aug 2018 12:15

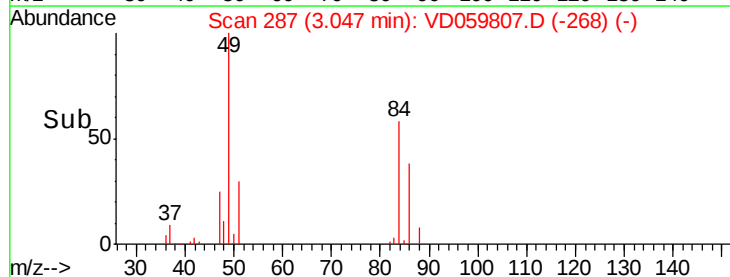
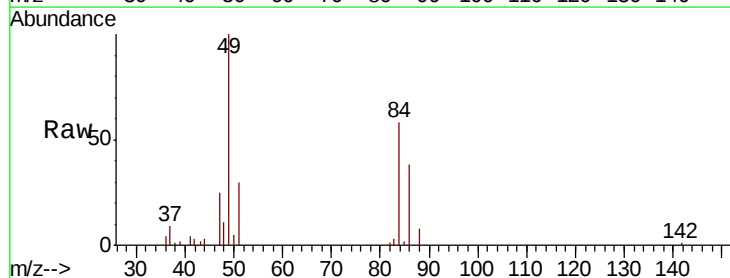
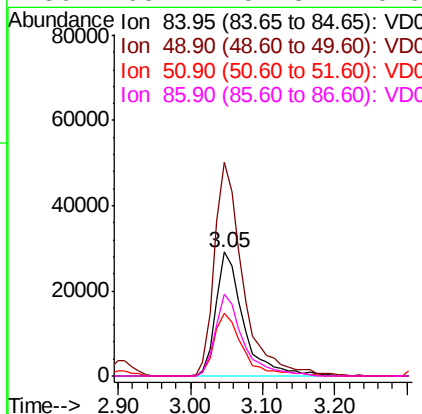
Instrument :
MSVOA_D
ClientSampleId :
BFB

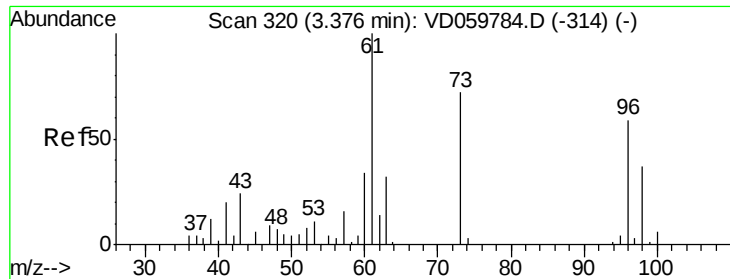
Tgt Ion: 73 Resp: 304729
Ion Ratio Lower Upper
73 100
57 18.9 14.8 22.2



#20
Methylene Chloride
Concen: 48.764 ug/l
RT: 3.05 min Scan# 287
Delta R.T. -0.01 min
Lab File: VD059807.D
Acq: 16 Aug 2018 12:15

Tgt Ion: 84 Resp: 76334
Ion Ratio Lower Upper
84 100
49 172.5 140.9 211.3
51 51.1 42.8 64.2
86 65.7 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 45.234 ug/l

RT: 3.37 min Scan# 320

Delta R.T. -0.00 min

Lab File: VD059807.D

Acq: 16 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampled :

BFB

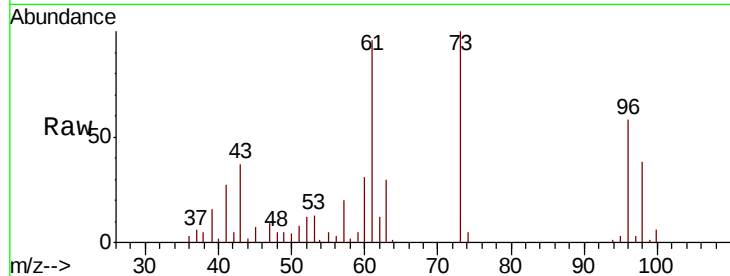
Tgt Ion: 96 Resp: 114403

Ion Ratio Lower Upper

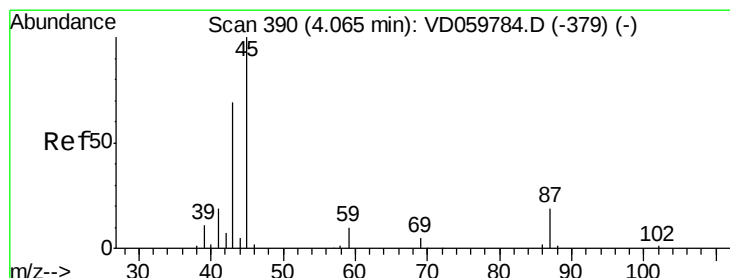
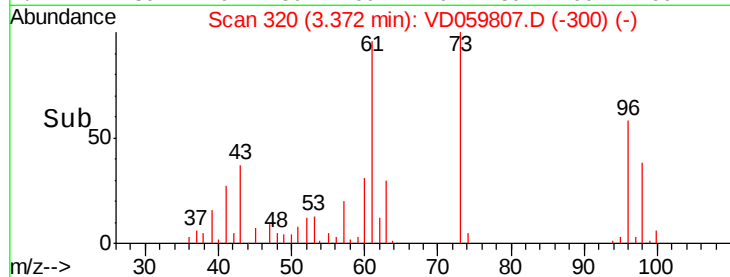
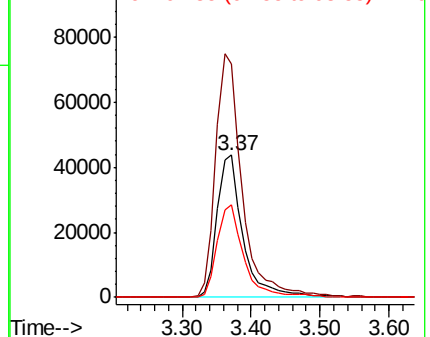
96 100

61 164.4 134.8 202.2

98 65.1 50.0 75.0



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



#22

Diisopropyl ether

Concen: 45.888 ug/l

RT: 4.05 min Scan# 389

Delta R.T. -0.01 min

Lab File: VD059807.D

Acq: 16 Aug 2018 12:15

Tgt Ion: 45 Resp: 399259

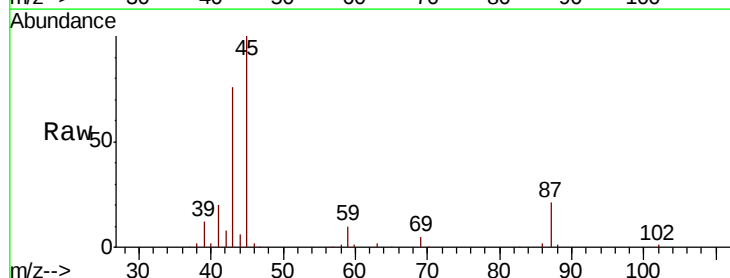
Ion Ratio Lower Upper

45 100

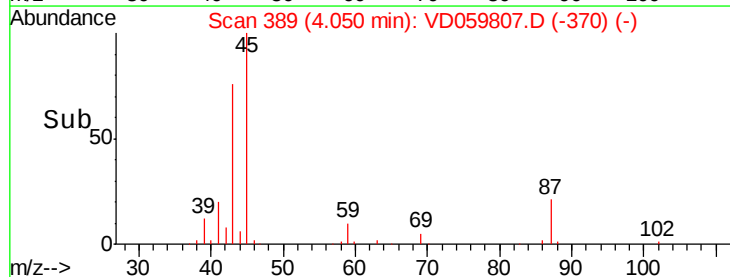
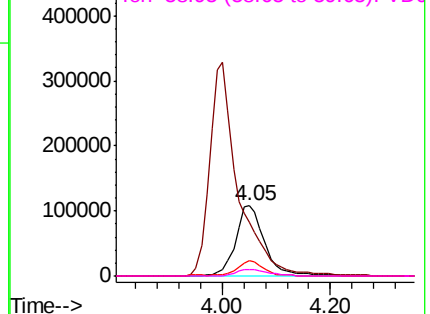
43 76.3 57.5 86.3

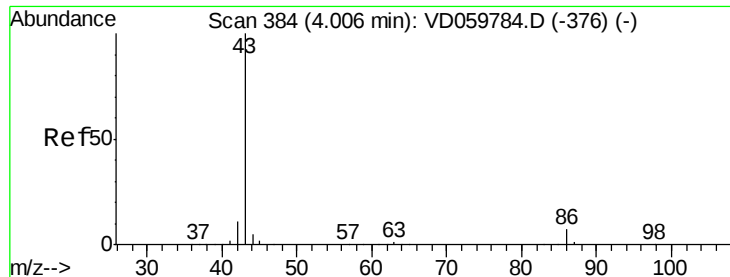
87 21.3 16.1 24.1

59 9.9 8.4 12.6



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 241.601 ug/l

RT: 4.00 min Scan# 384

Delta R.T. -0.00 min

Lab File: VD059807.D

Acq: 16 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

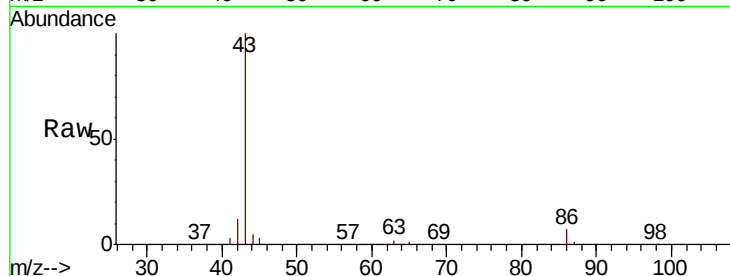
BFB

Tgt Ion: 43 Resp: 1190480

Ion Ratio Lower Upper

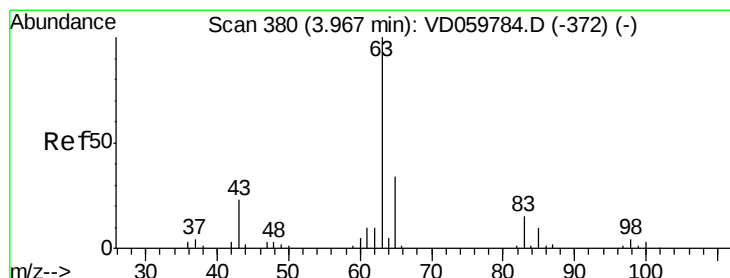
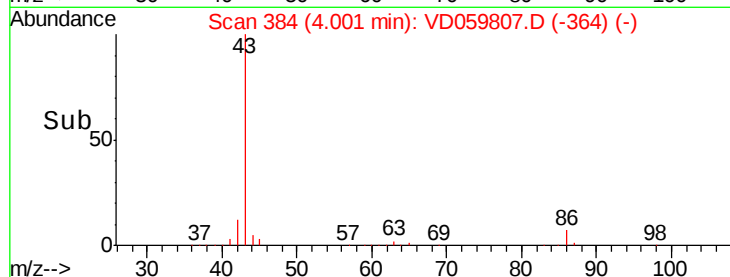
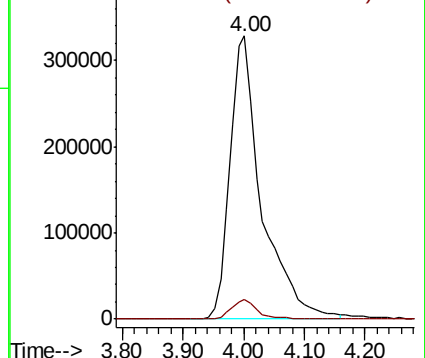
43 100

86 6.7 5.4 8.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 44.332 ug/l

RT: 3.95 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD059807.D

Acq: 16 Aug 2018 12:15

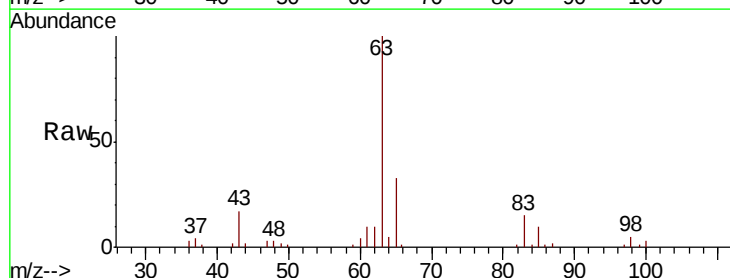
Tgt Ion: 63 Resp: 228825

Ion Ratio Lower Upper

63 100

98 4.7 2.2 6.6

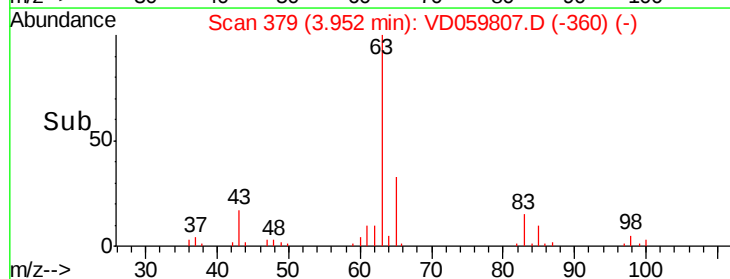
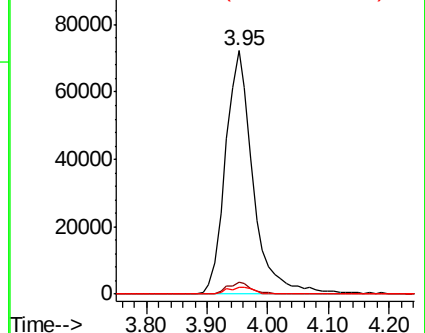
100 2.6 1.6 4.7

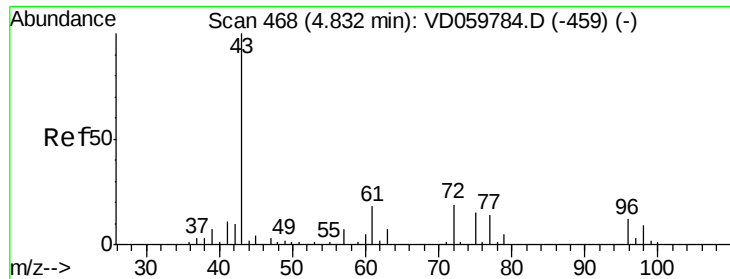


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 273.682 ug/l

RT: 4.82 min Scan# 467

Delta R.T. -0.01 min

Lab File: VD059807.D

Acq: 16 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

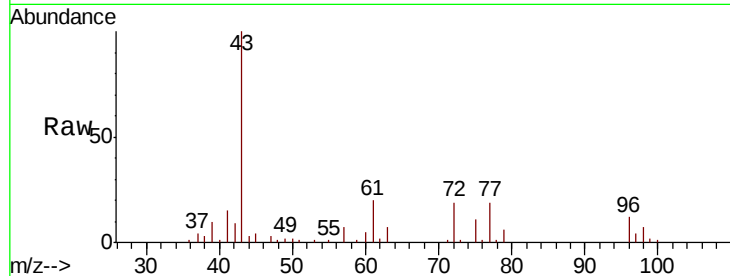
BFB

Tgt Ion: 43 Resp: 241610

Ion Ratio Lower Upper

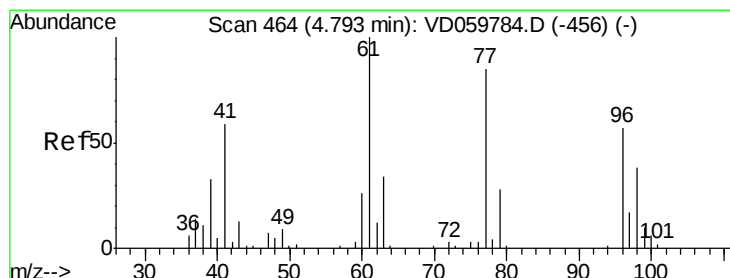
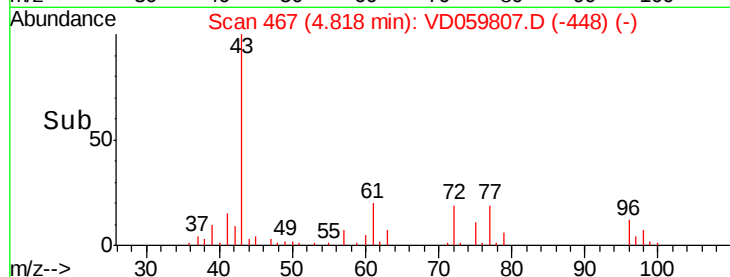
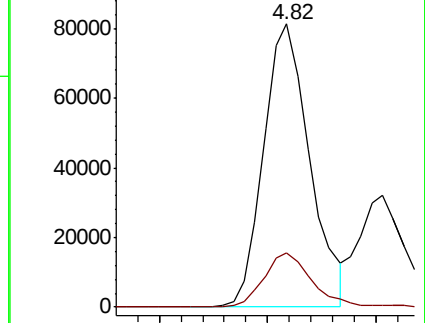
43 100

72 19.2 14.9 22.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 52.845 ug/l

RT: 4.78 min Scan# 463

Delta R.T. -0.01 min

Lab File: VD059807.D

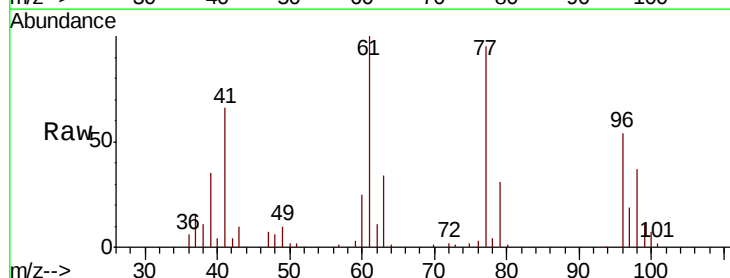
Acq: 16 Aug 2018 12:15

Tgt Ion: 77 Resp: 249424

Ion Ratio Lower Upper

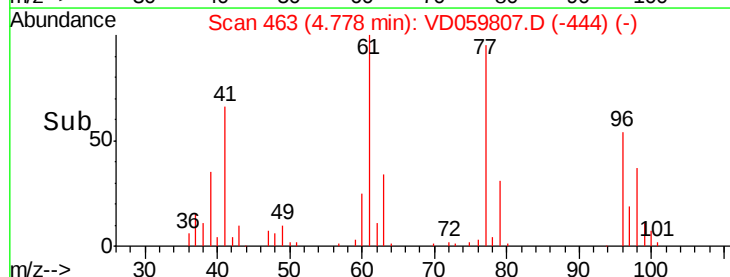
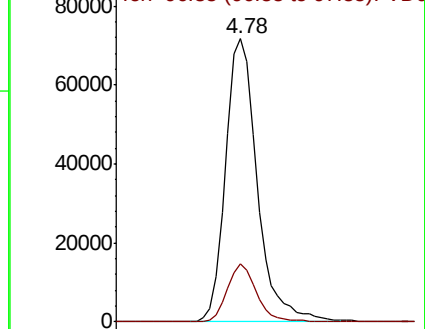
77 100

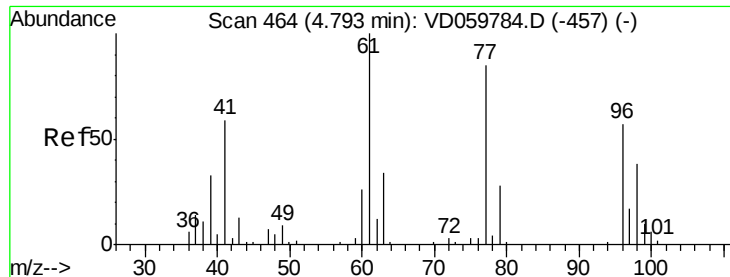
97 20.4 10.3 30.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



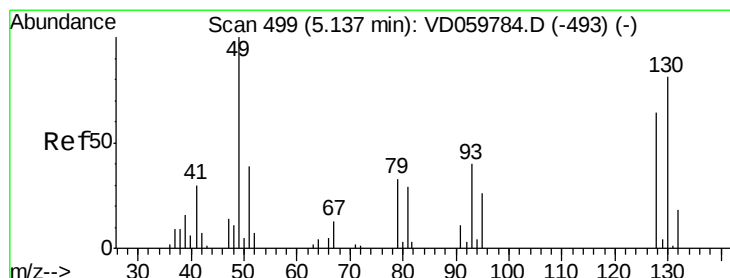
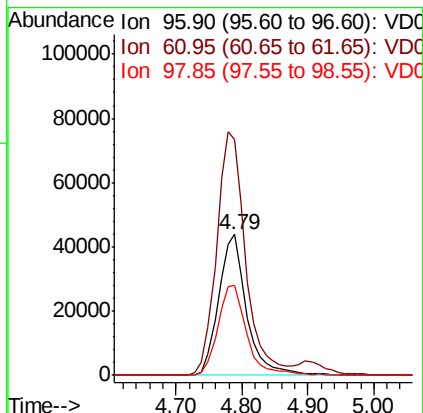
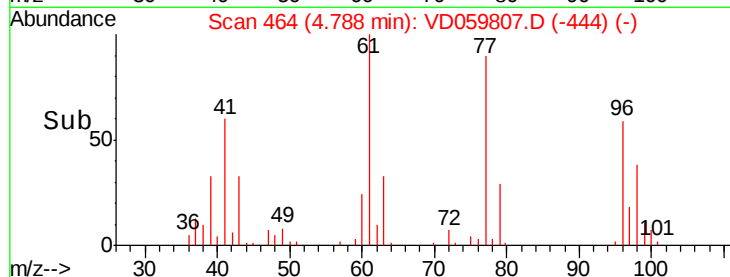
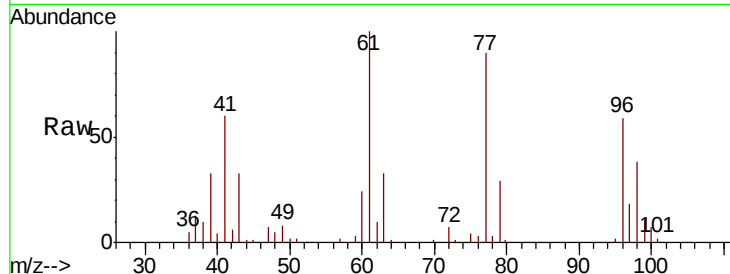


#27

cis-1,2-Dichloroethene
Concen: 46.941 ug/l
RT: 4.79 min Scan# 464
Delta R.T. -0.00 min
Lab File: VD059807.D
Acq: 16 Aug 2018 12:15

Instrument :
MSVOA_D
ClientSampleId :
BFB

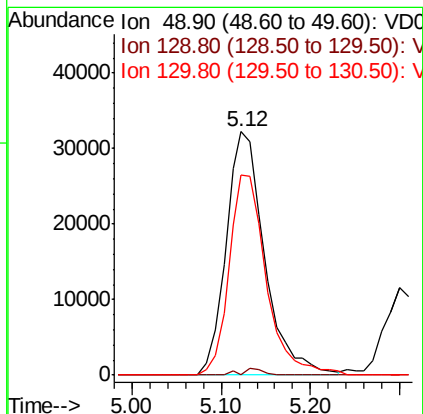
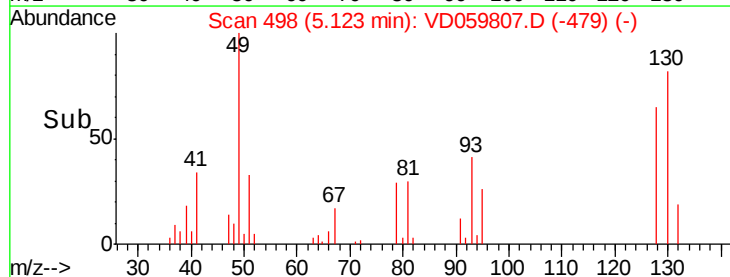
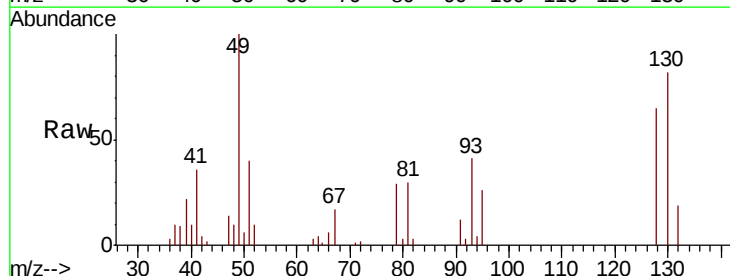
Tgt Ion: 96 Resp: 130076
Ion Ratio Lower Upper
96 100
61 168.2 0.0 351.6
98 63.7 0.0 135.2

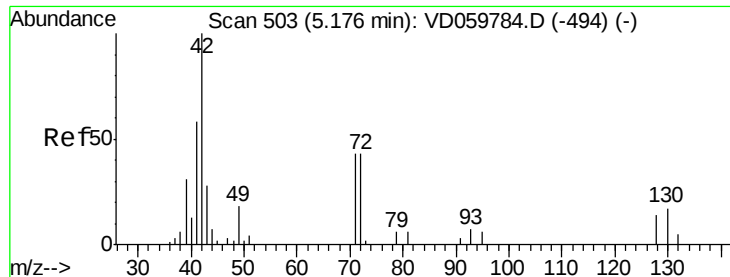


#28

Bromochloromethane
Concen: 48.039 ug/l
RT: 5.12 min Scan# 498
Delta R.T. -0.01 min
Lab File: VD059807.D
Acq: 16 Aug 2018 12:15

Tgt Ion: 49 Resp: 97295
Ion Ratio Lower Upper
49 100
129 0.0 0.0 7.0
130 82.0 64.8 97.2

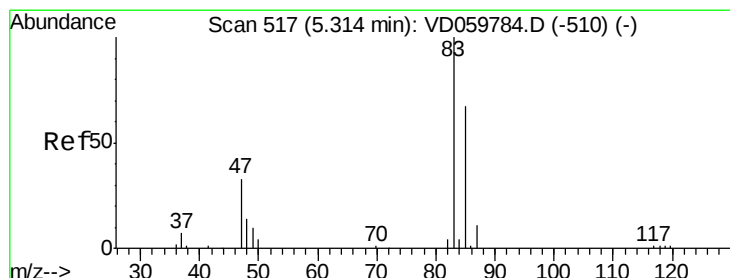
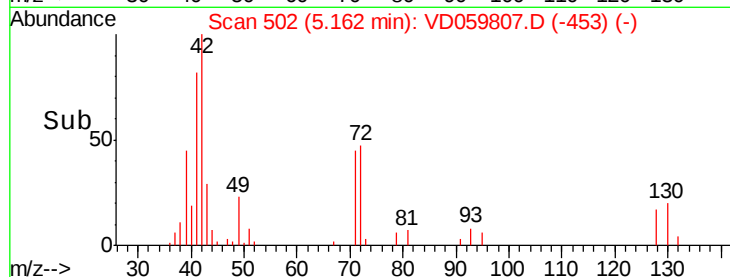
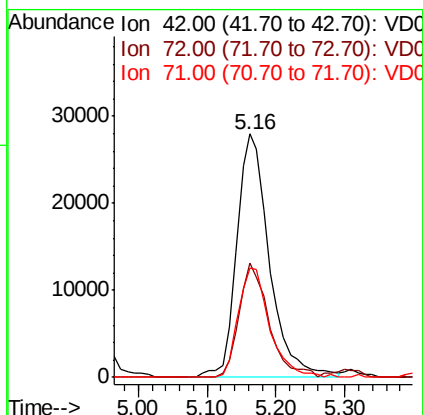
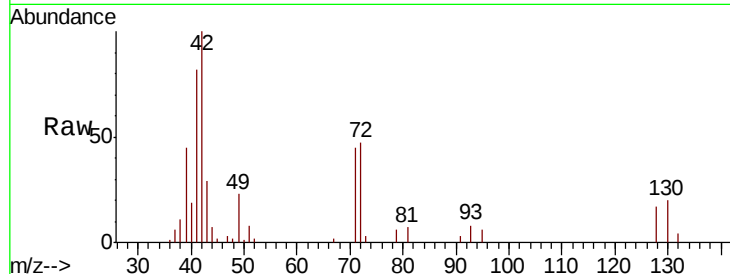




#29
Tetrahydrofuran
Concen: 243.464 ug/l
RT: 5.16 min Scan# 502
Delta R.T. -0.01 min
Lab File: VD059807.D
Acq: 16 Aug 2018 12:15

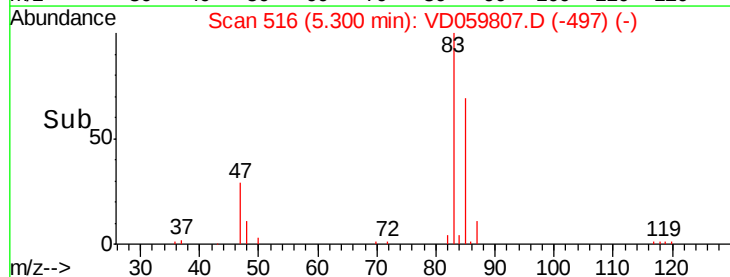
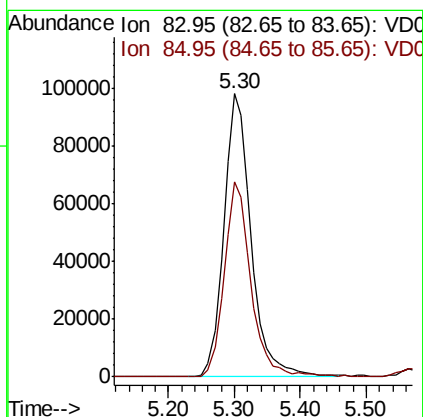
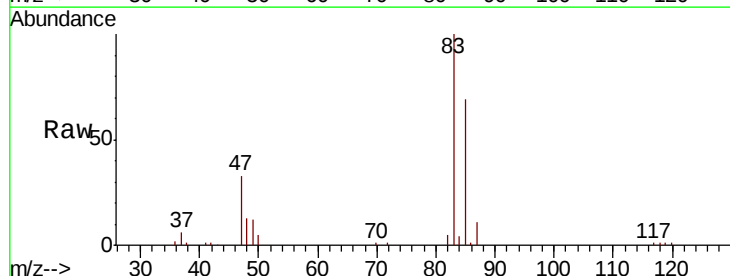
Instrument :
MSVOA_D
ClientSampleId :
BFB

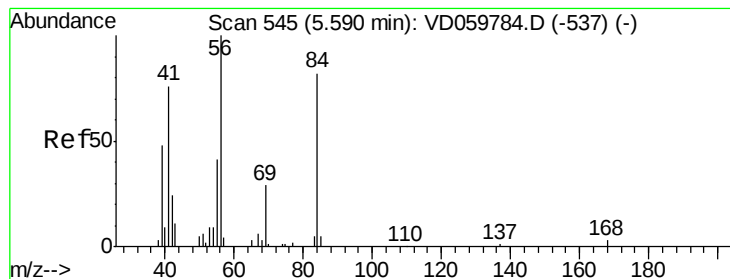
Tgt Ion: 42 Resp: 91702
Ion Ratio Lower Upper
42 100
72 43.0 34.3 51.5
71 43.1 33.0 49.6



#30
Chloroform
Concen: 45.562 ug/l
RT: 5.30 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD059807.D
Acq: 16 Aug 2018 12:15

Tgt Ion: 83 Resp: 282388
Ion Ratio Lower Upper
83 100
85 68.7 53.4 80.2





#31

Cyclohexane

Concen: 43.755 ug/l

RT: 5.58 min Scan# 544

Delta R.T. -0.01 min

Lab File: VD059807.D

Acq: 16 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

BFB

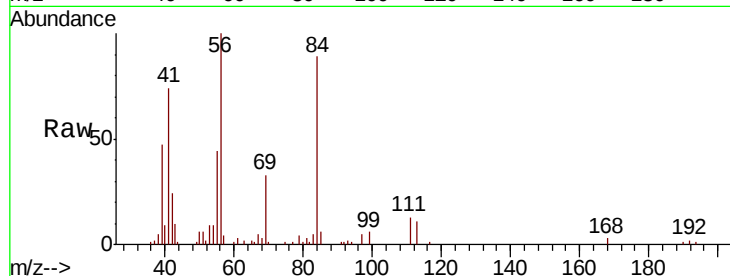
Tgt Ion: 56 Resp: 162431

Ion Ratio Lower Upper

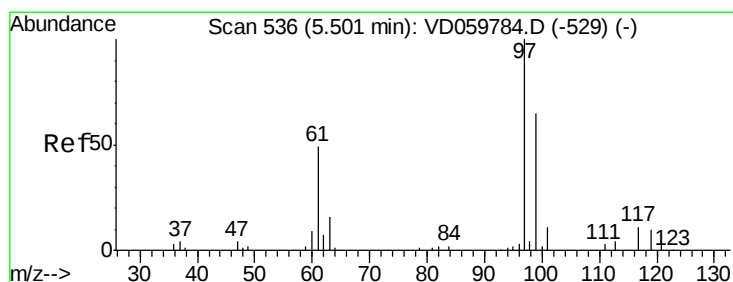
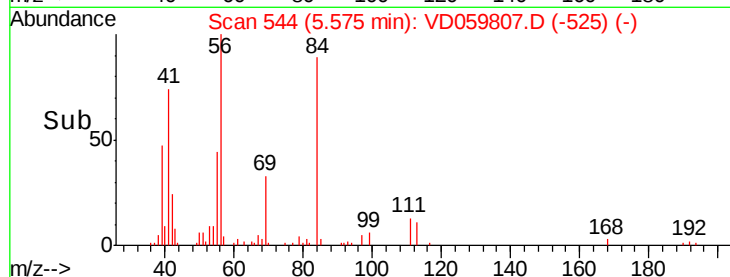
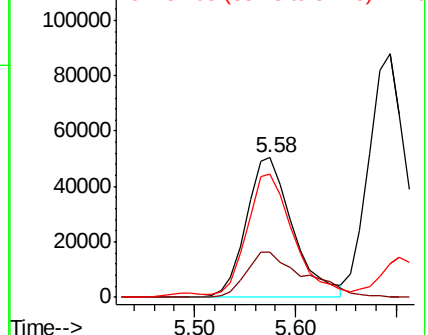
56 100

69 32.7 23.4 35.2

84 88.5 65.4 98.2



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



#32

1,1,1-Trichloroethane

Concen: 49.098 ug/l

RT: 5.49 min Scan# 535

Delta R.T. -0.01 min

Lab File: VD059807.D

Acq: 16 Aug 2018 12:15

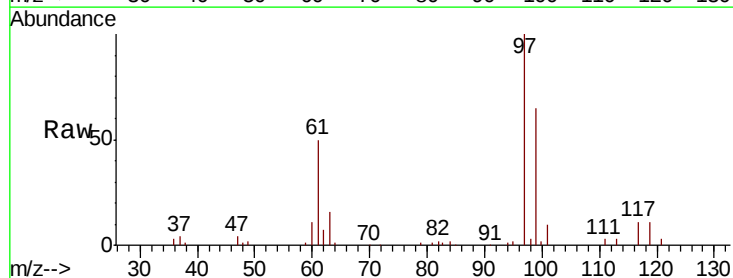
Tgt Ion: 97 Resp: 267557

Ion Ratio Lower Upper

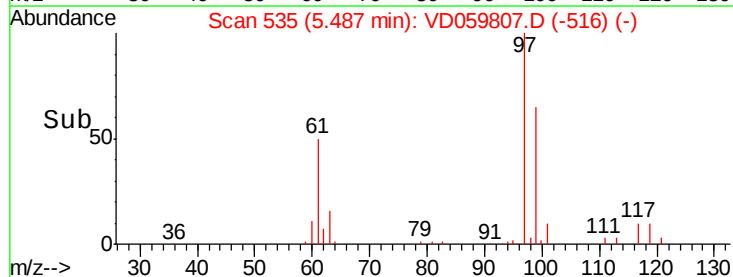
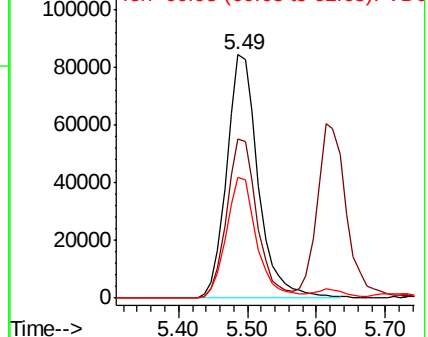
97 100

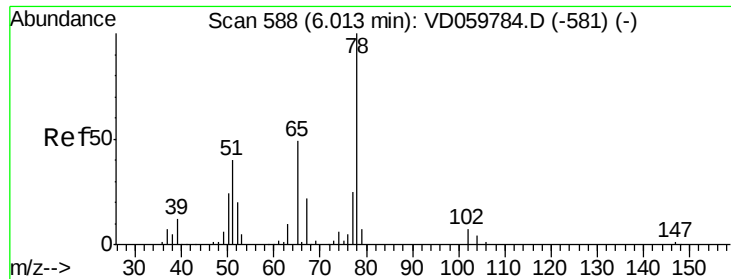
99 65.3 52.2 78.2

61 49.8 39.6 59.4



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: 49.098 ug/l

RT: 6.00 min Scan# 587

Delta R.T. -0.01 min

Lab File: VD059807.D

Acq: 16 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

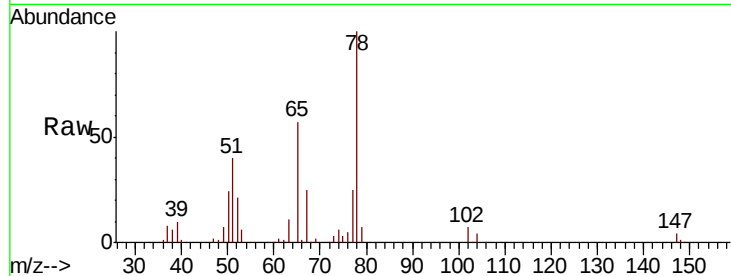
BFB

Tgt Ion: 65 Resp: 190991

Ion Ratio Lower Upper

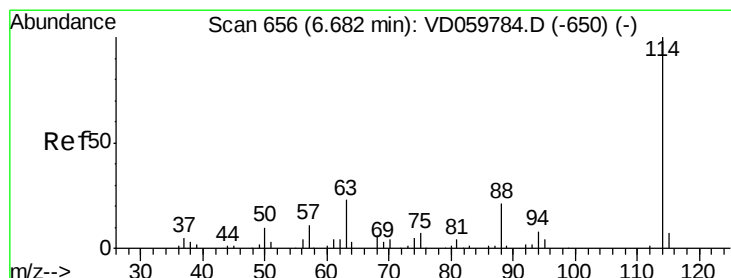
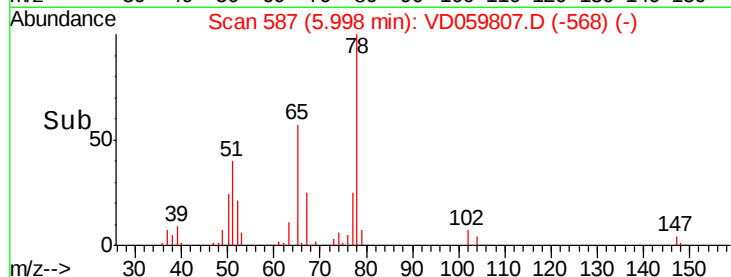
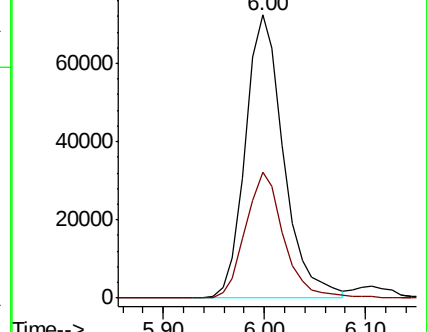
65 100

67 44.4 0.0 87.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.68 min Scan# 656

Delta R.T. -0.00 min

Lab File: VD059807.D

Acq: 16 Aug 2018 12:15

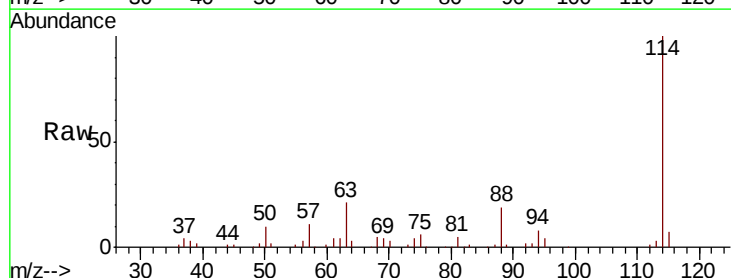
Tgt Ion: 114 Resp: 359840

Ion Ratio Lower Upper

114 100

63 20.6 0.0 45.0

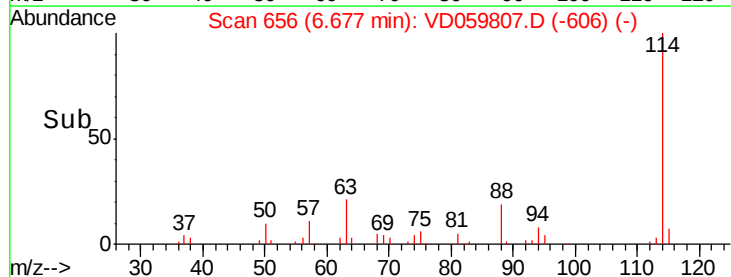
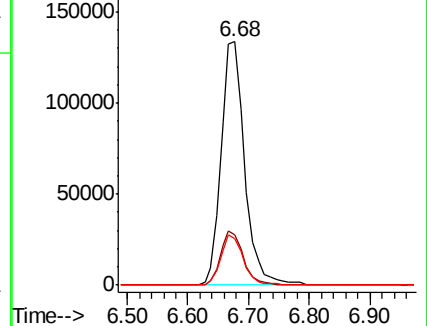
88 19.0 0.0 41.2

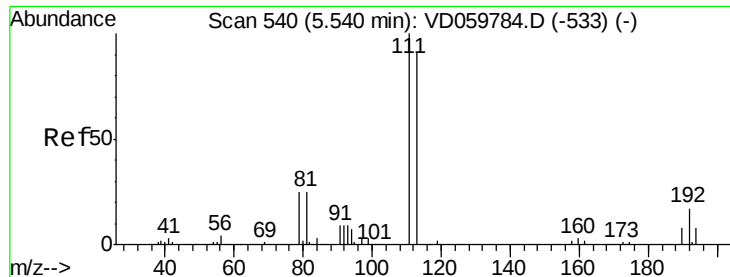


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

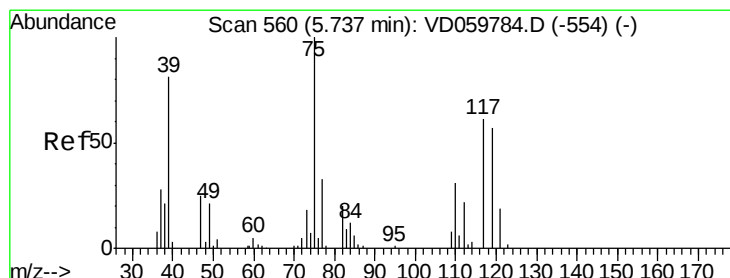
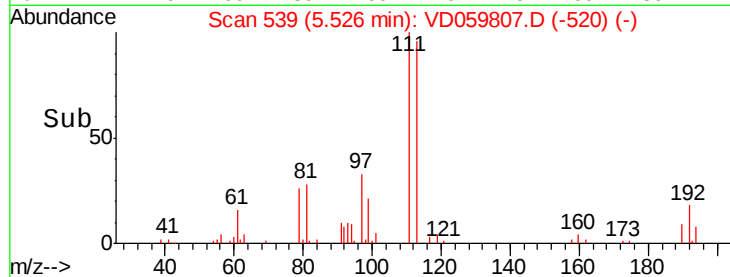
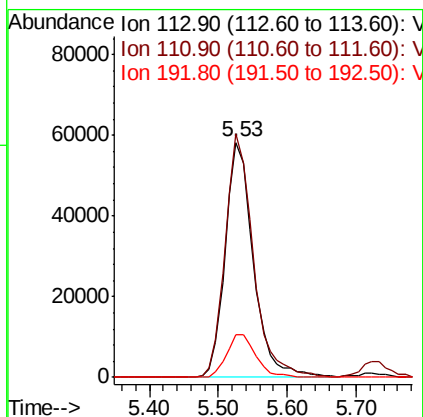
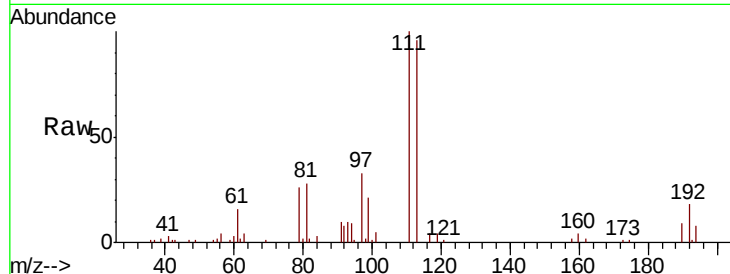




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.53 min Scan# 539
 Delta R.T. -0.01 min
 Lab File: VD059807.D
 Acq: 16 Aug 2018 12:15

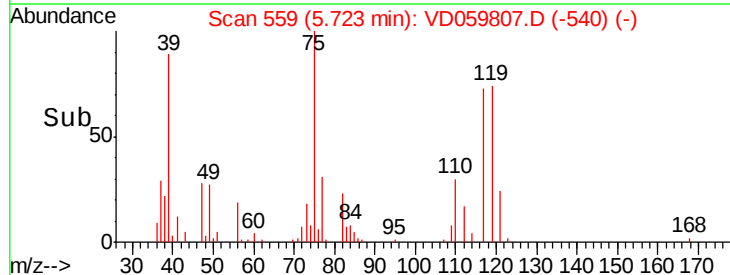
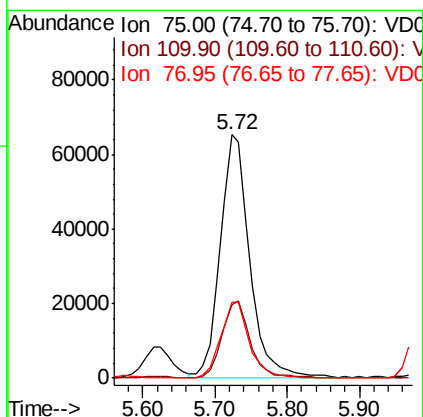
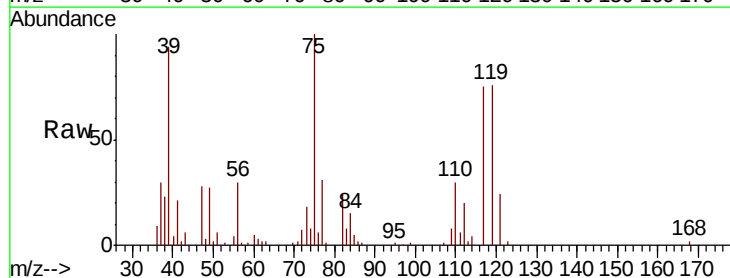
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

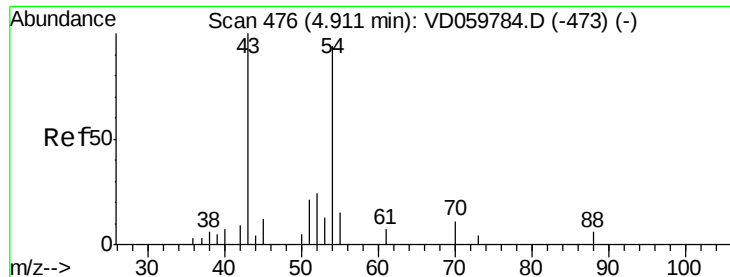
Tgt Ion:113 Resp: 164921
 Ion Ratio Lower Upper
 113 100
 111 103.7 87.7 131.5
 192 18.3 14.6 21.8



#36
 1,1-Dichloropropene
 Concen: 49.962 ug/l
 RT: 5.72 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD059807.D
 Acq: 16 Aug 2018 12:15

Tgt Ion: 75 Resp: 184454
 Ion Ratio Lower Upper
 75 100
 110 30.1 15.3 45.8
 77 31.1 26.2 39.4

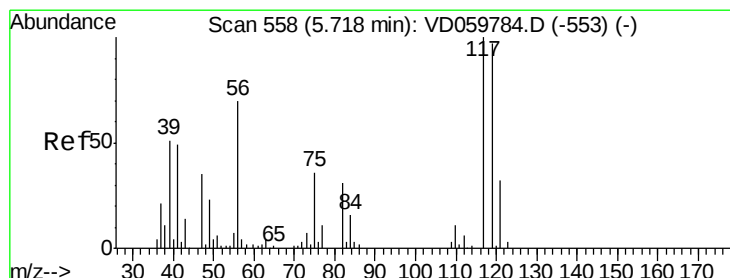
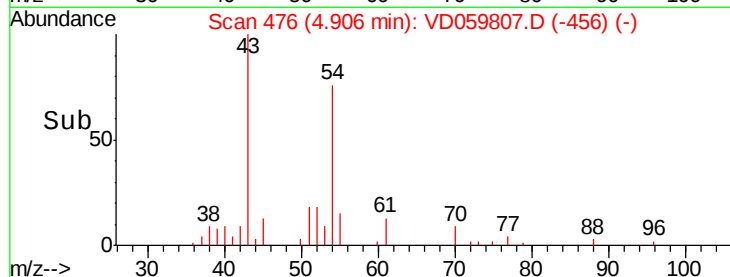
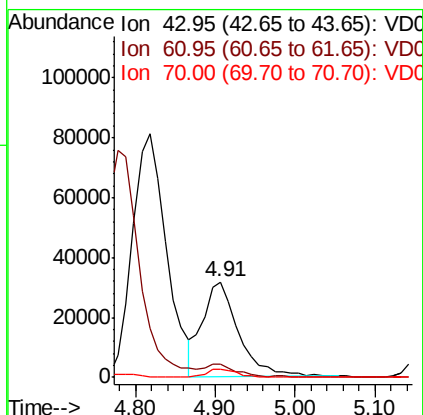
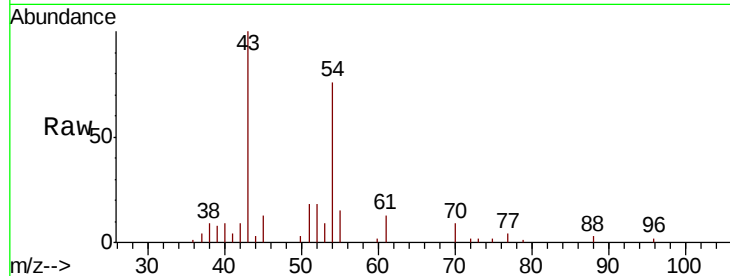




#37
Ethyl Acetate
Concen: 53.830 ug/l
RT: 4.91 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD059807.D
Acq: 16 Aug 2018 12:15

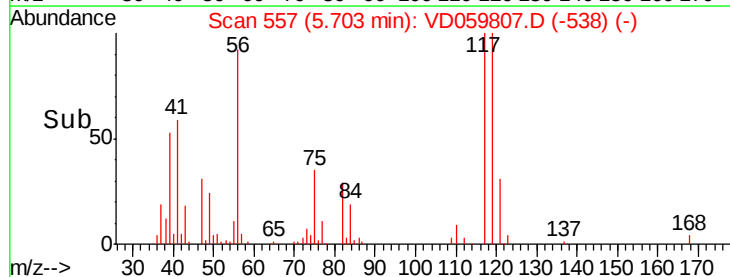
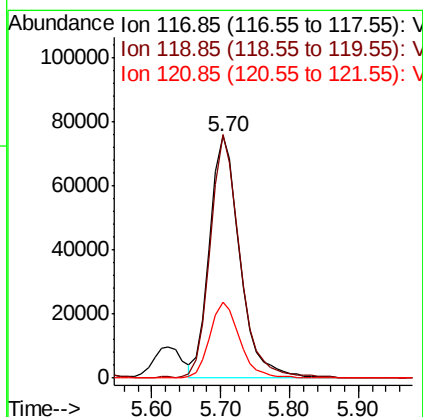
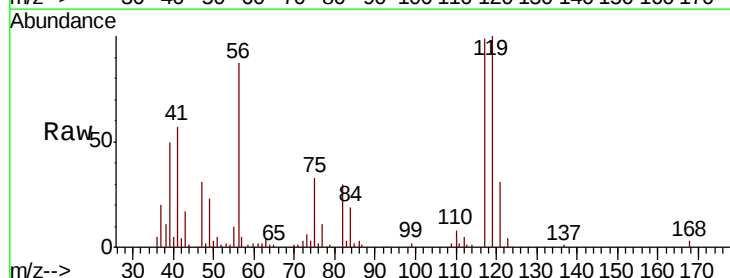
Instrument :
MSVOA_D
ClientSampled :
BFB

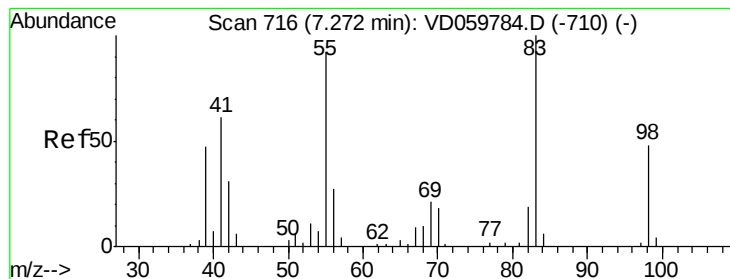
Tgt Ion: 43 Resp: 99398
Ion Ratio Lower Upper
43 100
61 13.3 10.2 15.2
70 8.5 5.8 8.8



#38
Carbon Tetrachloride
Concen: 51.102 ug/l
RT: 5.70 min Scan# 557
Delta R.T. -0.01 min
Lab File: VD059807.D
Acq: 16 Aug 2018 12:15

Tgt Ion: 117 Resp: 227612
Ion Ratio Lower Upper
117 100
119 100.7 75.7 113.5
121 31.4 24.7 37.1





#39

Methylcyclohexane

Concen: 49.839 ug/l

RT: 7.27 min Scan# 716

Delta R.T. -0.00 min

Lab File: VD059807.D

Acq: 16 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

BFB

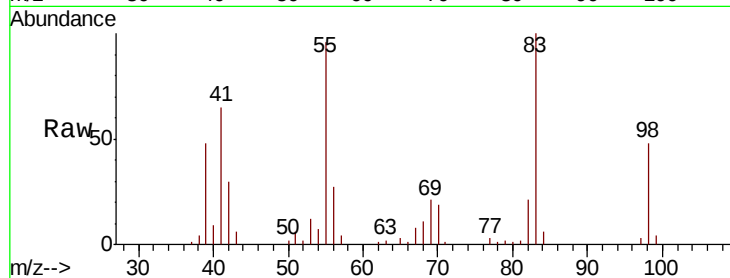
Tgt Ion: 83 Resp: 159167

Ion Ratio Lower Upper

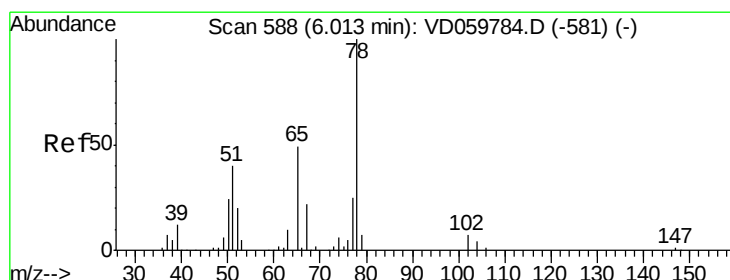
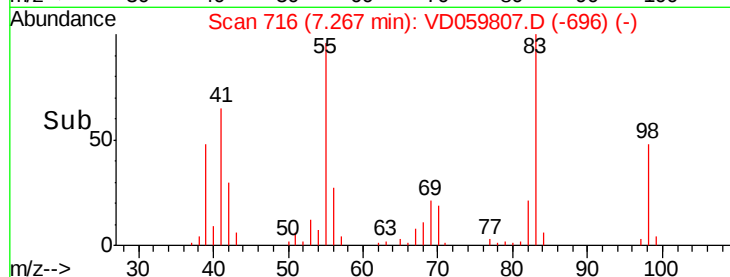
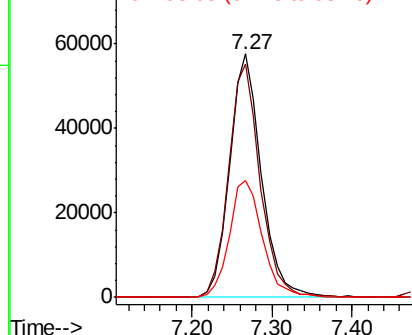
83 100

55 95.6 73.8 110.6

98 48.2 38.4 57.6



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: 47.957 ug/l

RT: 6.00 min Scan# 587

Delta R.T. -0.01 min

Lab File: VD059807.D

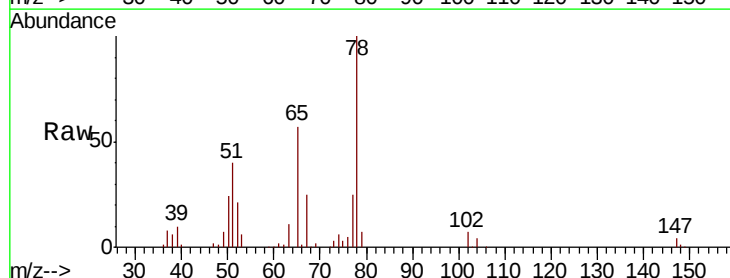
Acq: 16 Aug 2018 12:15

Tgt Ion: 78 Resp: 375553

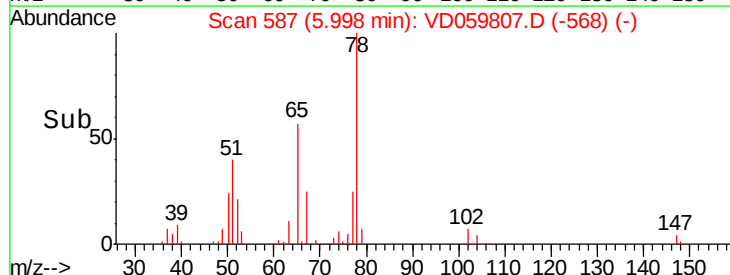
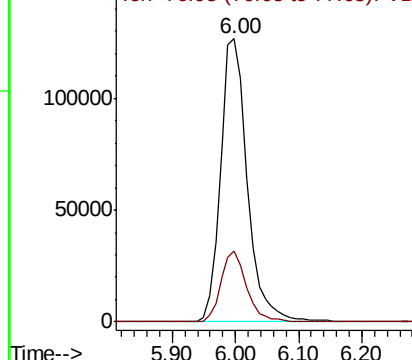
Ion Ratio Lower Upper

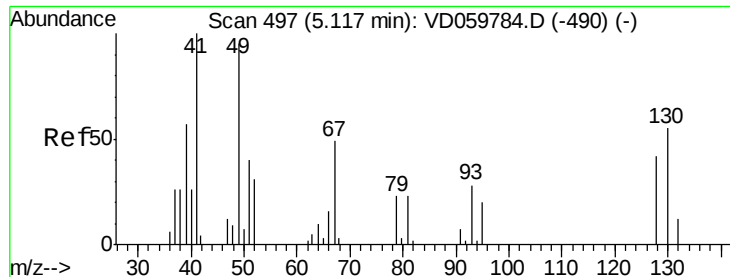
78 100

77 24.9 19.6 29.4



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





#41

Methacrylonitrile

Concen: 54.663 ug/l

RT: 5.10 min Scan# 496

Delta R.T. -0.01 min

Lab File: VD059807.D

Acq: 16 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

BFB

Tgt Ion: 41 Resp: 48290

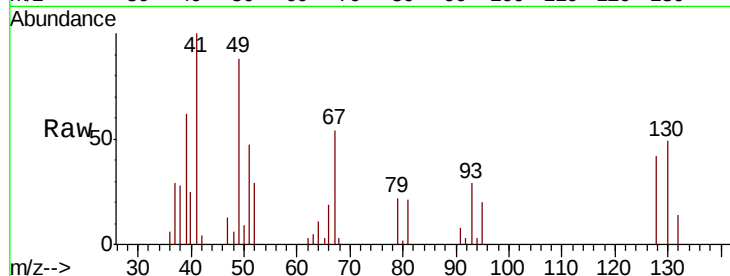
Ion Ratio Lower Upper

41 100

39 62.4 45.4 68.2

67 54.0 39.5 59.3

52 29.3 24.8 37.2

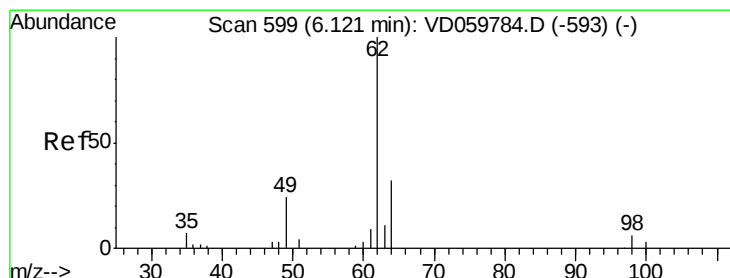
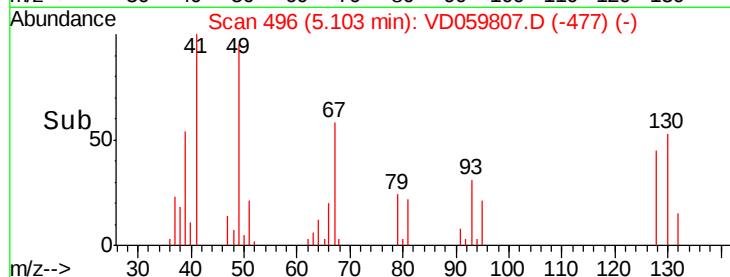
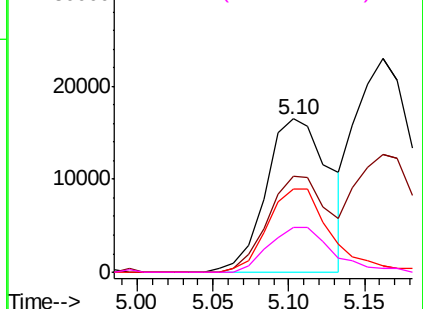


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 53.296 ug/l

RT: 6.11 min Scan# 598

Delta R.T. -0.01 min

Lab File: VD059807.D

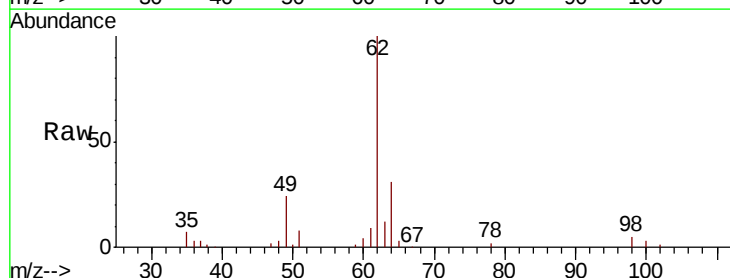
Acq: 16 Aug 2018 12:15

Tgt Ion: 62 Resp: 225869

Ion Ratio Lower Upper

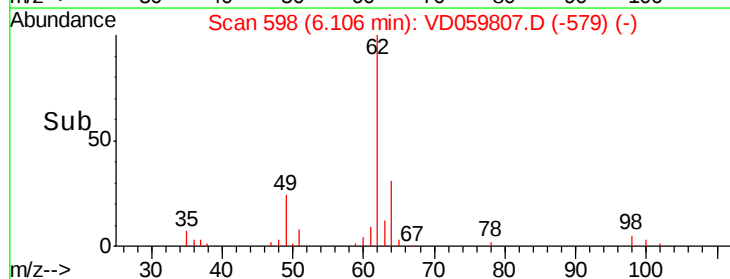
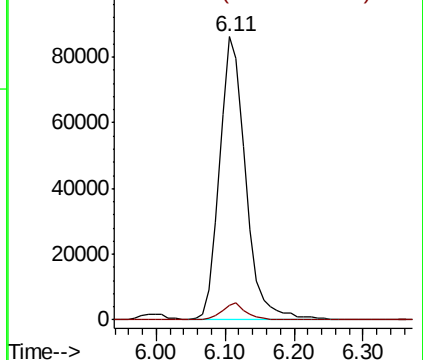
62 100

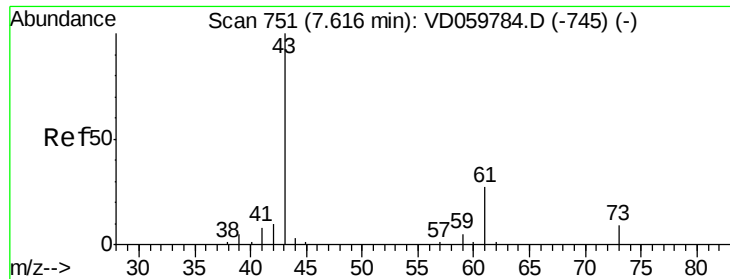
98 5.2 0.0 12.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 53.000 ug/l

RT: 7.60 min Scan# 750

Delta R.T. -0.01 min

Lab File: VD059807.D

Acq: 16 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

BFB

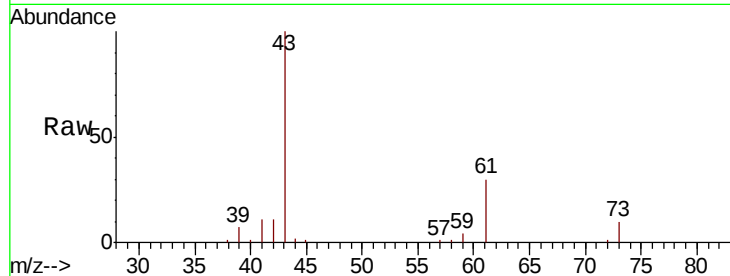
Tgt Ion: 43 Resp: 123585

Ion Ratio Lower Upper

43 100

61 30.4 21.2 31.8

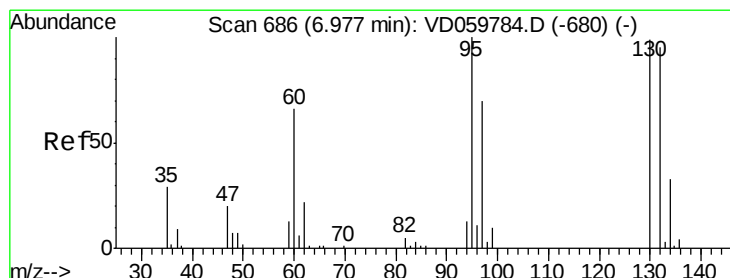
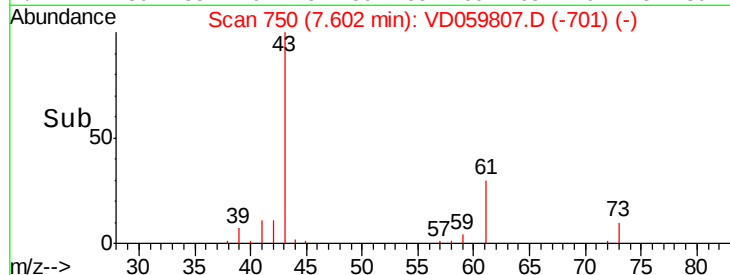
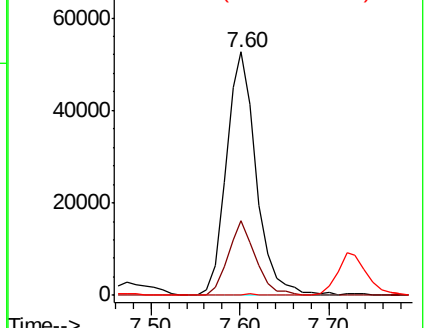
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 49.922 ug/l

RT: 6.96 min Scan# 685

Delta R.T. -0.01 min

Lab File: VD059807.D

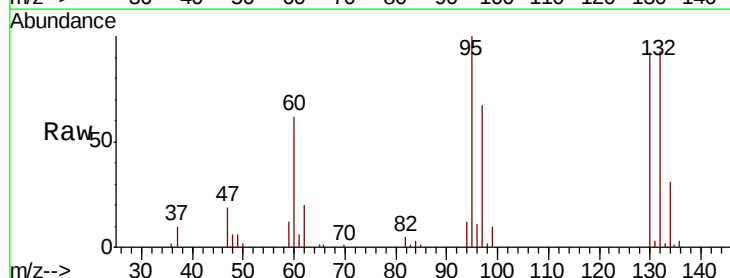
Acq: 16 Aug 2018 12:15

Tgt Ion: 130 Resp: 133867

Ion Ratio Lower Upper

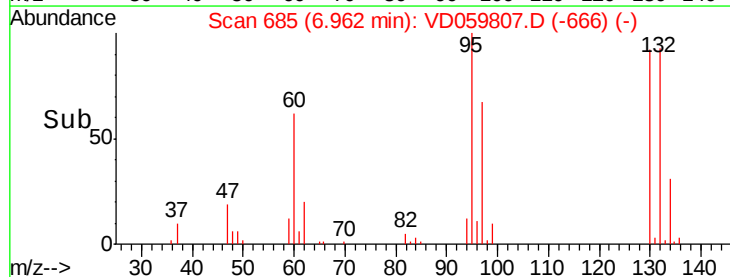
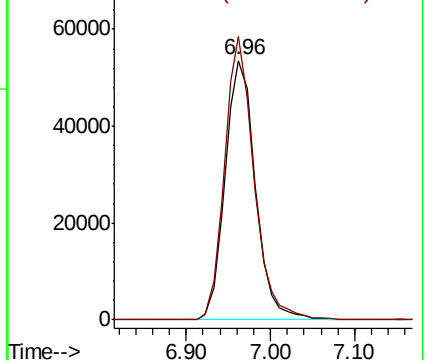
130 100

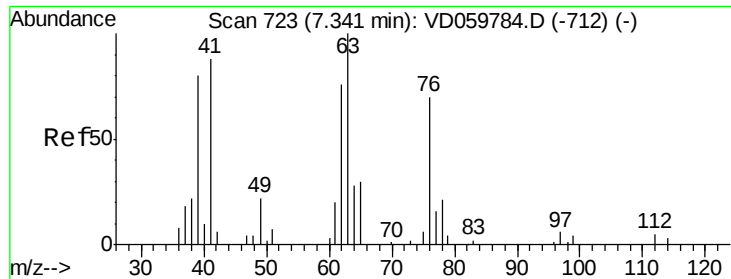
95 109.2 0.0 201.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 51.350 ug/l

RT: 7.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: VD059807.D

Acq: 16 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampled :

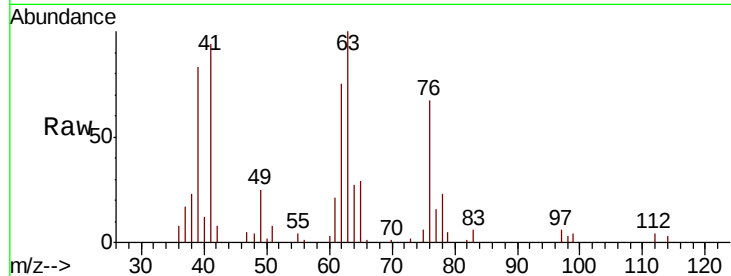
BFB

Tgt Ion: 63 Resp: 104520

Ion Ratio Lower Upper

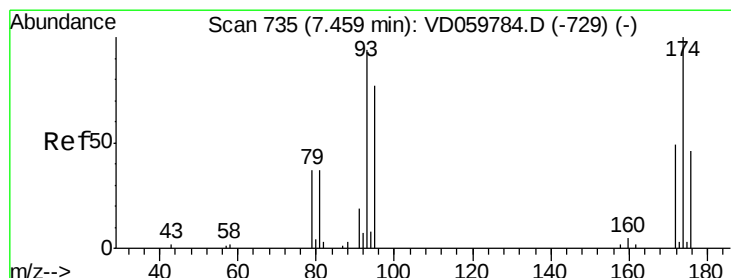
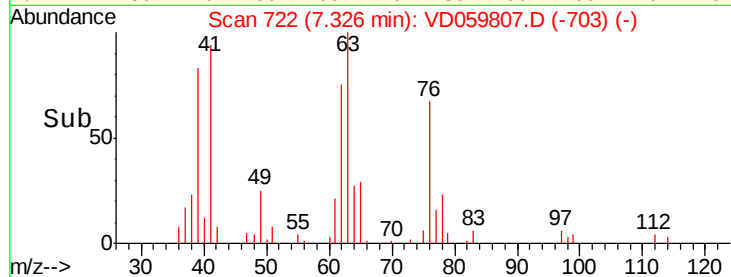
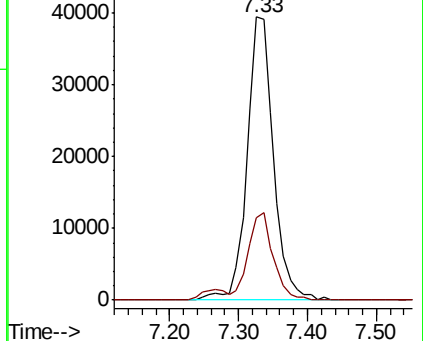
63 100

65 29.0 24.2 36.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 50.744 ug/l

RT: 7.44 min Scan# 734

Delta R.T. -0.01 min

Lab File: VD059807.D

Acq: 16 Aug 2018 12:15

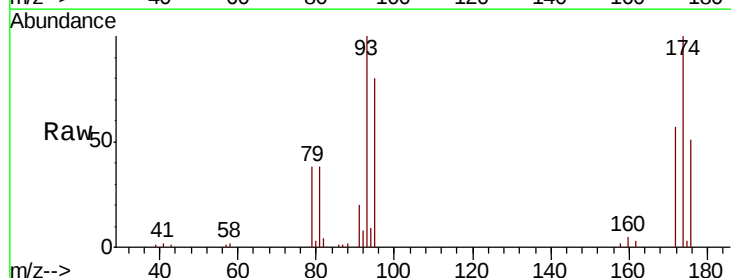
Tgt Ion: 93 Resp: 84477

Ion Ratio Lower Upper

93 100

95 80.5 66.2 99.4

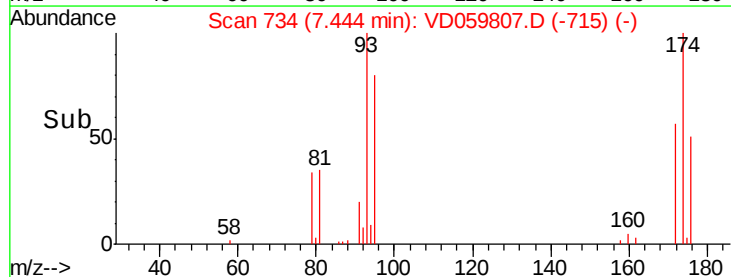
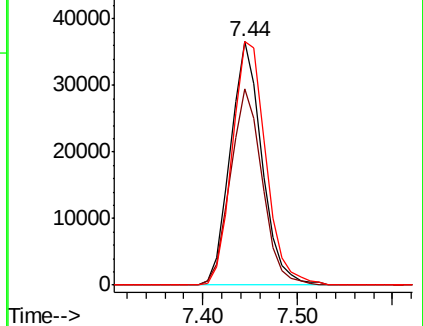
174 100.0 85.5 128.3

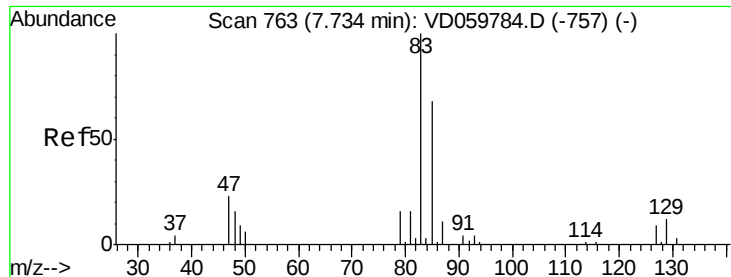


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 51.067 ug/l

RT: 7.73 min Scan# 763

Delta R.T. -0.00 min

Lab File: VD059807.D

Acq: 16 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

BFB

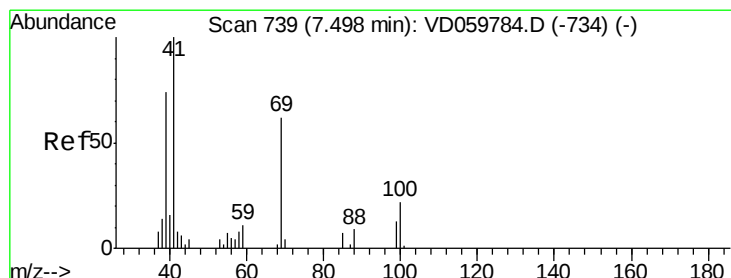
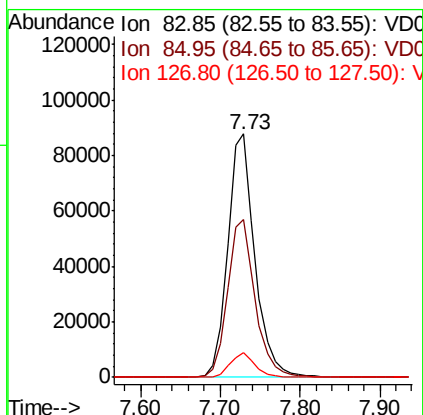
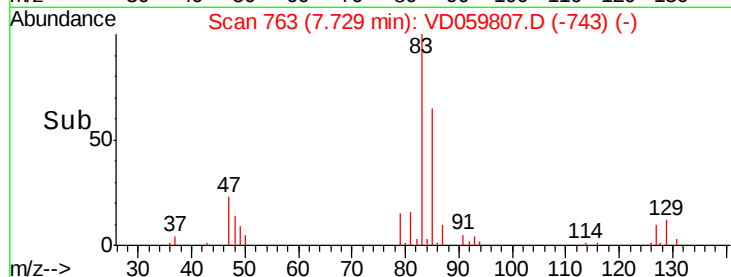
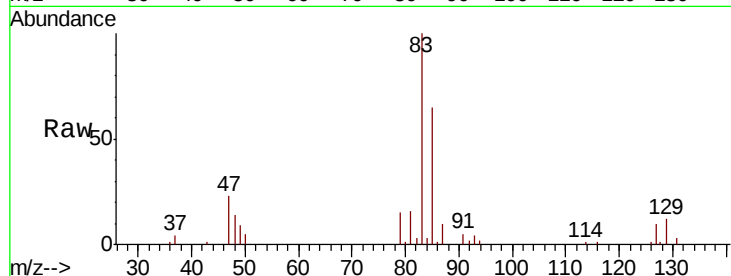
Tgt Ion: 83 Resp: 208297

Ion Ratio Lower Upper

83 100

85 65.0 54.1 81.1

127 10.1 7.5 11.3



#48

Methyl methacrylate

Concen: 54.150 ug/l

RT: 7.48 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD059807.D

Acq: 16 Aug 2018 12:15

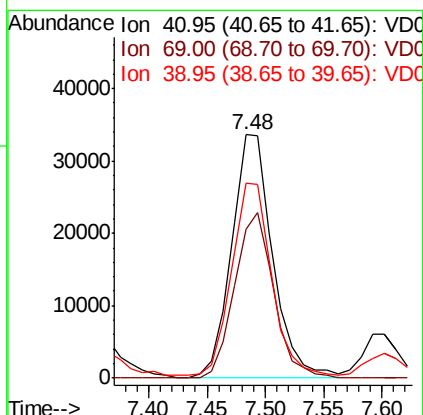
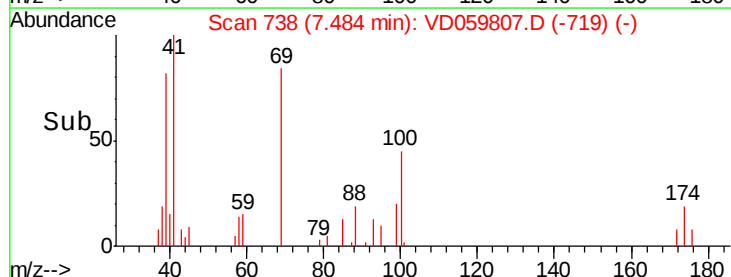
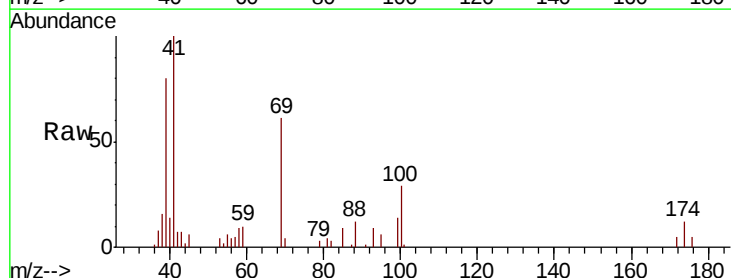
Tgt Ion: 41 Resp: 82391

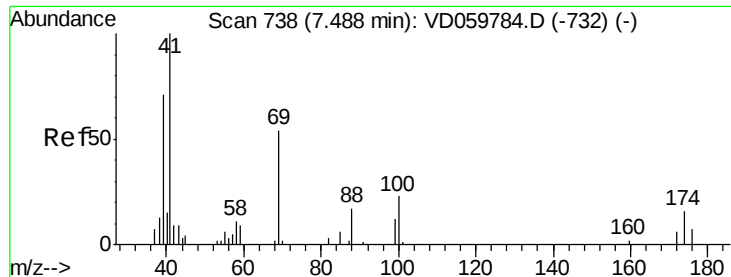
Ion Ratio Lower Upper

41 100

69 61.2 49.8 74.8

39 79.9 59.0 88.4

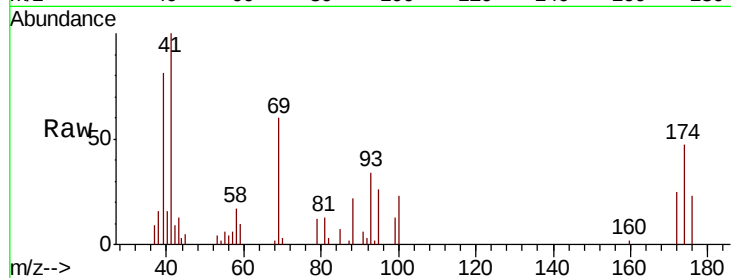




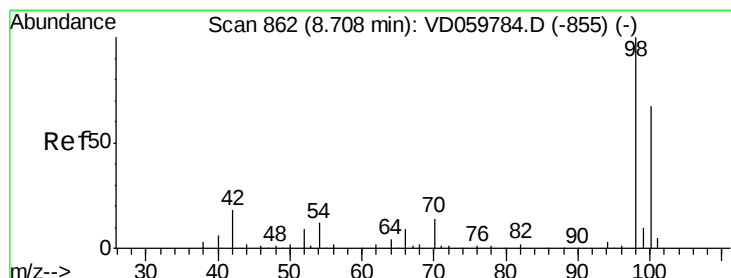
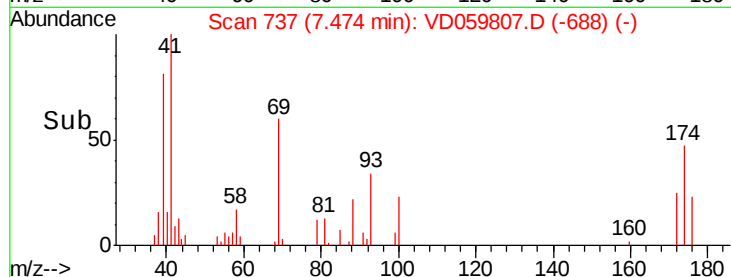
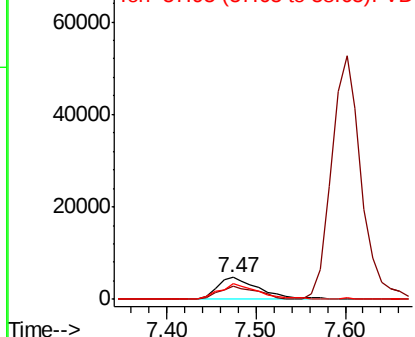
#49
1,4-Dioxane
Concen: 1165.250 ug/l
RT: 7.47 min Scan# 737
Delta R.T. -0.01 min
Lab File: VD059807.D
Acq: 16 Aug 2018 12:15

Instrument :
MSVOA_D
ClientSampled :
BFB

Tgt Ion: 88 Resp: 15614
Ion Ratio Lower Upper
88 100
43 58.5 42.0 63.0
58 75.5 51.4 77.0

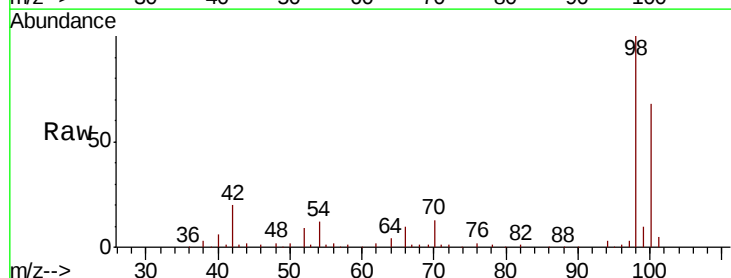


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

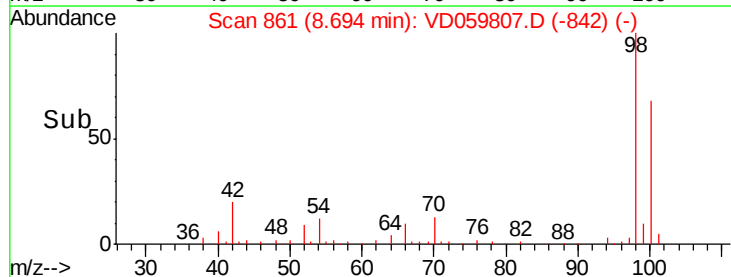
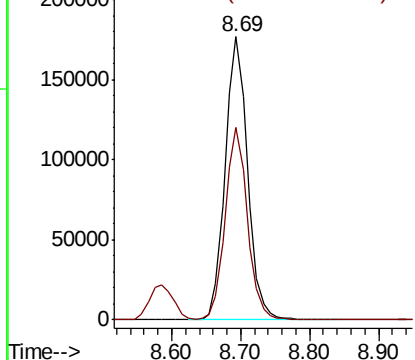


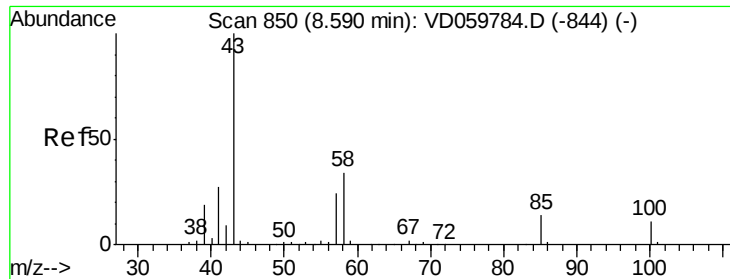
#50
Toluene-d8
Concen: 1165.250 ug/l
RT: 8.69 min Scan# 861
Delta R.T. -0.01 min
Lab File: VD059807.D
Acq: 16 Aug 2018 12:15

Tgt Ion: 98 Resp: 397755
Ion Ratio Lower Upper
98 100
100 67.9 54.2 81.4



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: 278.467 ug/l

RT: 8.59 min Scan# 850

Delta R.T. -0.00 min

Lab File: VD059807.D

Acq: 16 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

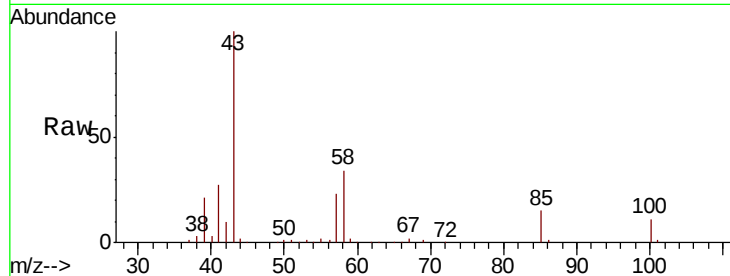
BFB

Tgt Ion: 43 Resp: 490821

Ion Ratio Lower Upper

43 100

58 34.0 27.5 41.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.59

200000

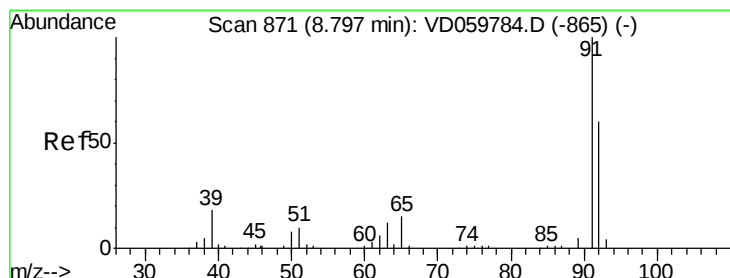
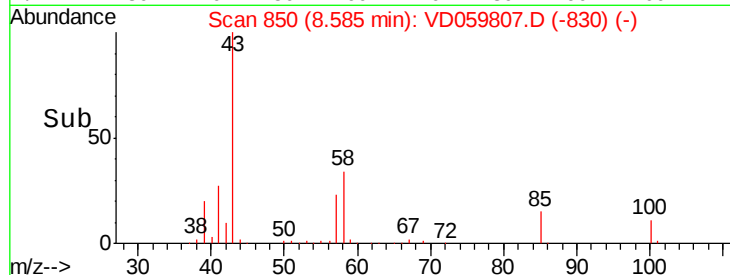
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 47.865 ug/l

RT: 8.78 min Scan# 870

Delta R.T. -0.01 min

Lab File: VD059807.D

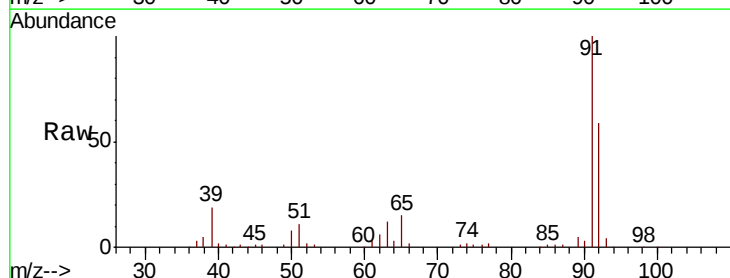
Acq: 16 Aug 2018 12:15

Tgt Ion: 92 Resp: 240122

Ion Ratio Lower Upper

92 100

91 168.3 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.78

200000

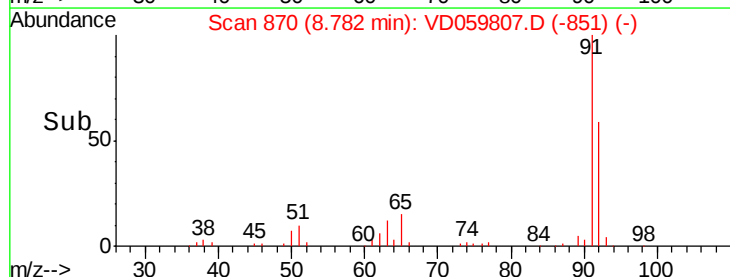
150000

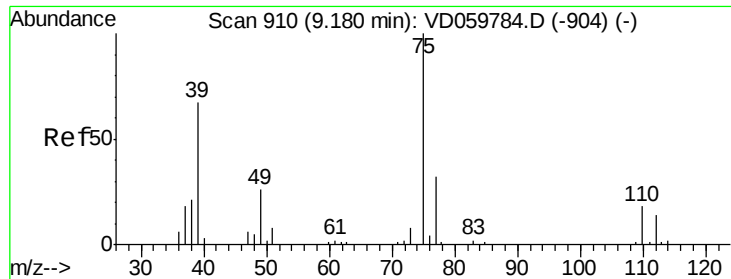
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 52.981 ug/l

RT: 9.18 min Scan# 910

Delta R.T. -0.00 min

Lab File: VD059807.D

Acq: 16 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

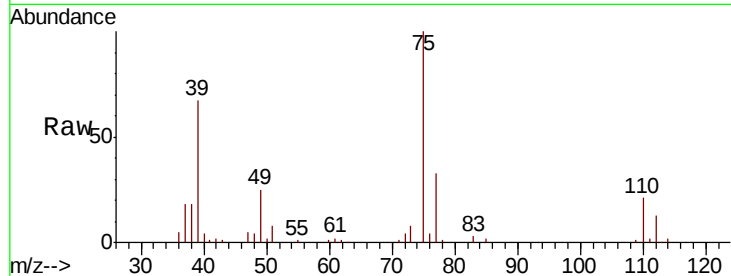
BFB

Tgt Ion: 75 Resp: 179174

Ion Ratio Lower Upper

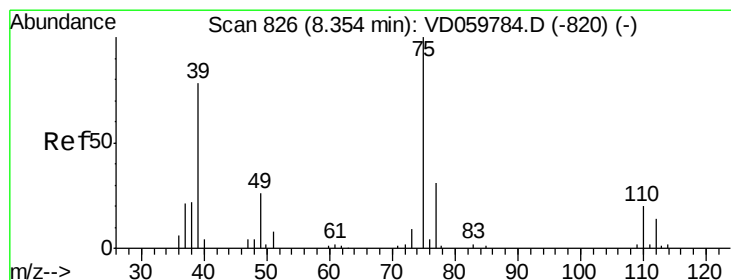
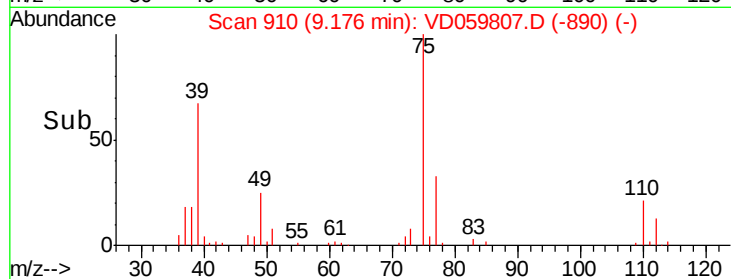
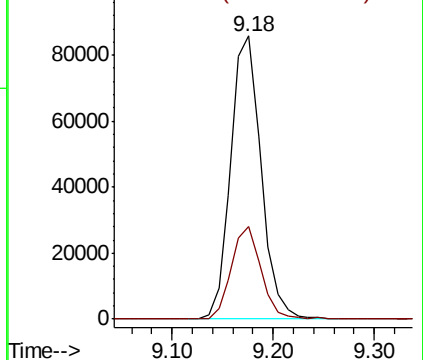
75 100

77 32.5 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 52.389 ug/l

RT: 8.35 min Scan# 826

Delta R.T. -0.00 min

Lab File: VD059807.D

Acq: 16 Aug 2018 12:15

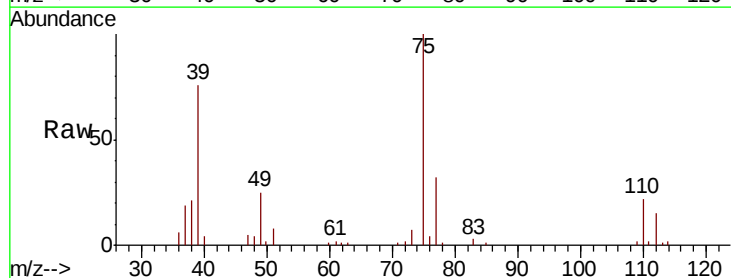
Tgt Ion: 75 Resp: 191473

Ion Ratio Lower Upper

75 100

77 32.2 24.8 37.2

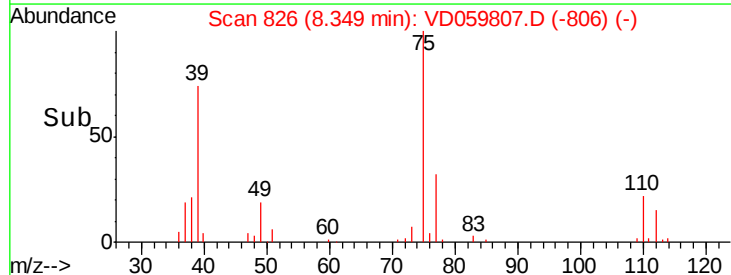
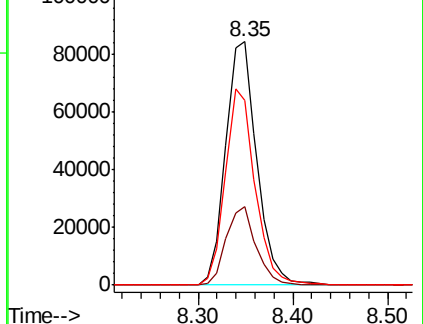
39 75.7 62.5 93.7

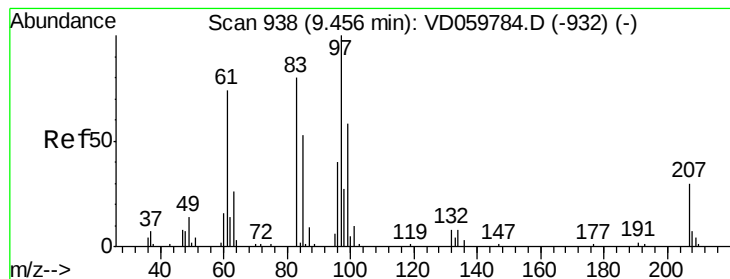


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 47.821 ug/l

RT: 9.44 min Scan# 937

Delta R.T. -0.01 min

Lab File: VD059807.D

Acq: 16 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

BFB

Tgt Ion: 97 Resp: 88569

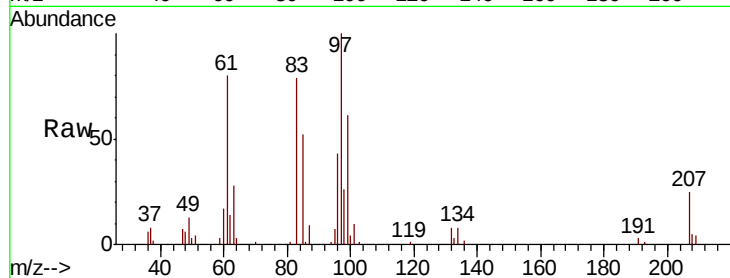
Ion Ratio Lower Upper

97 100

83 79.2 63.8 95.8

85 51.7 42.5 63.7

99 60.8 46.2 69.4

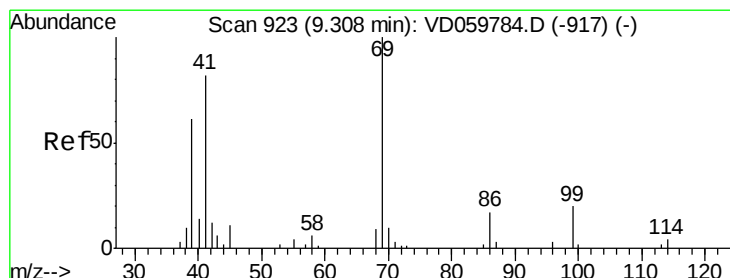
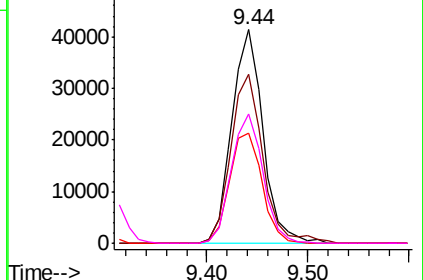
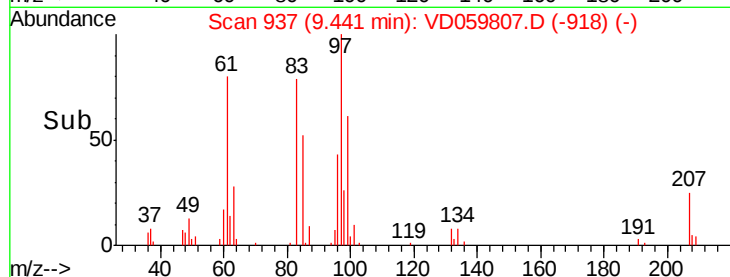


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 52.177 ug/l

RT: 9.30 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD059807.D

Acq: 16 Aug 2018 12:15

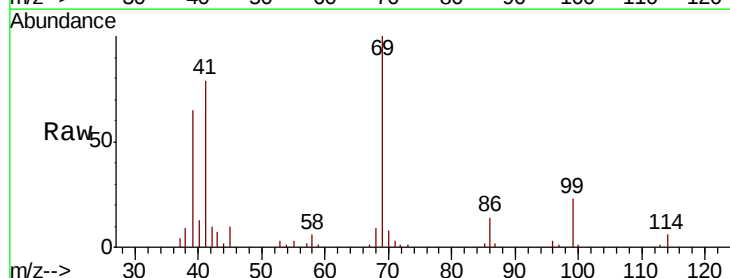
Tgt Ion: 69 Resp: 104651

Ion Ratio Lower Upper

69 100

41 78.9 65.8 98.8

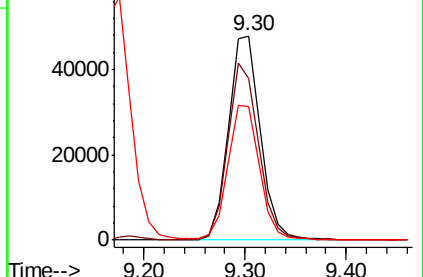
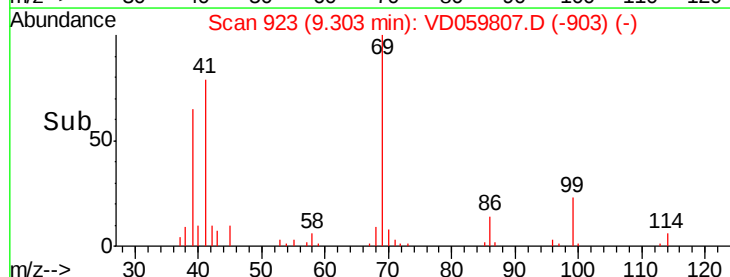
39 65.5 49.7 74.5

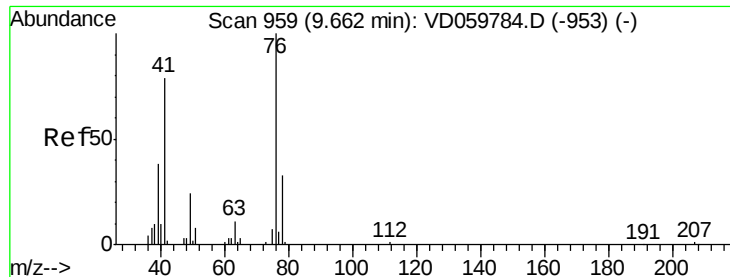


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 49.900 ug/l

RT: 9.65 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD059807.D

Acq: 16 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

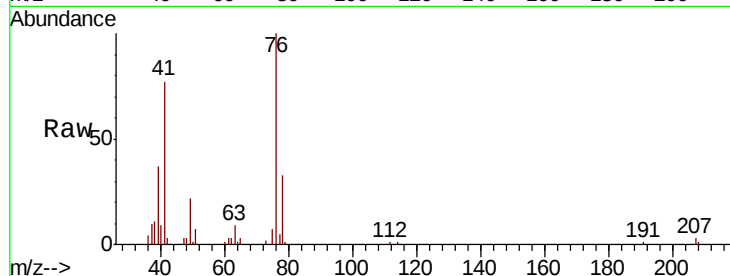
BFB

Tgt Ion: 76 Resp: 144775

Ion Ratio Lower Upper

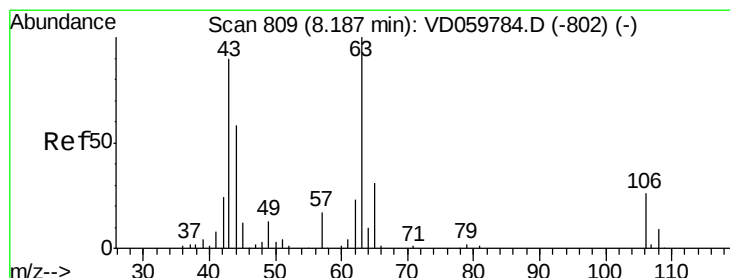
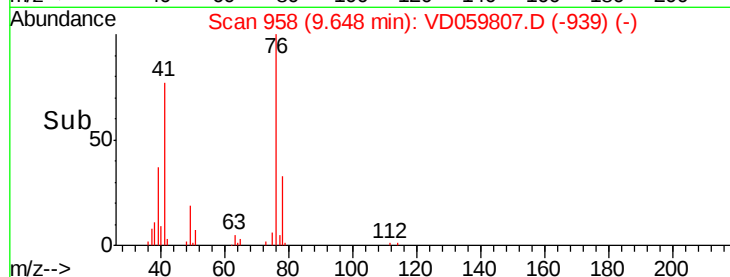
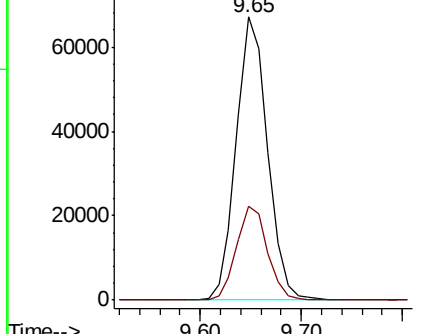
76 100

78 33.4 26.4 39.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 254.805 ug/l

RT: 8.17 min Scan# 808

Delta R.T. -0.01 min

Lab File: VD059807.D

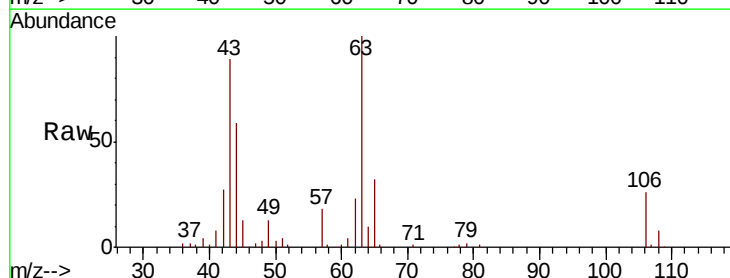
Acq: 16 Aug 2018 12:15

Tgt Ion: 63 Resp: 252594

Ion Ratio Lower Upper

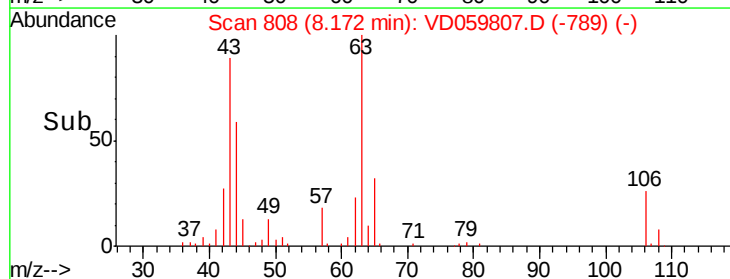
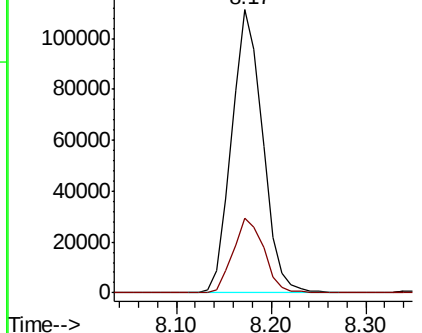
63 100

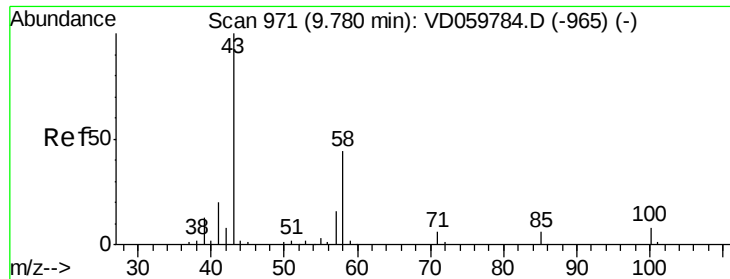
106 26.4 21.1 31.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

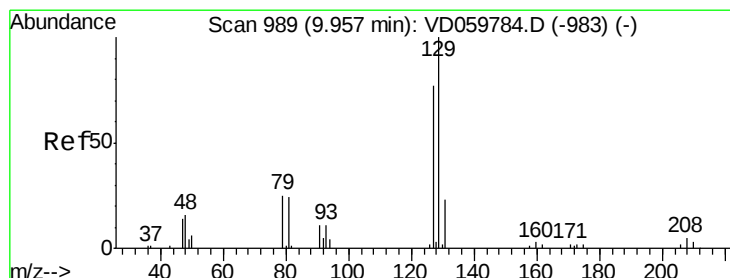
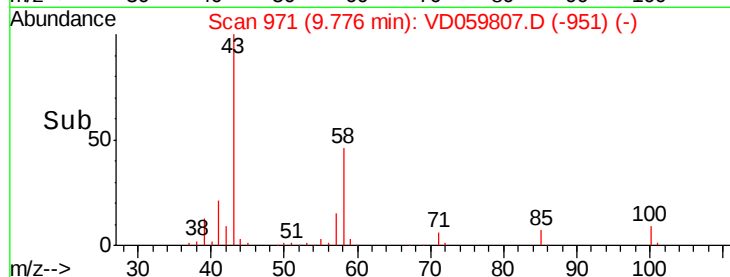
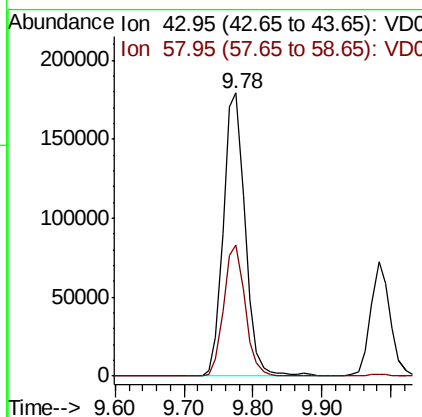
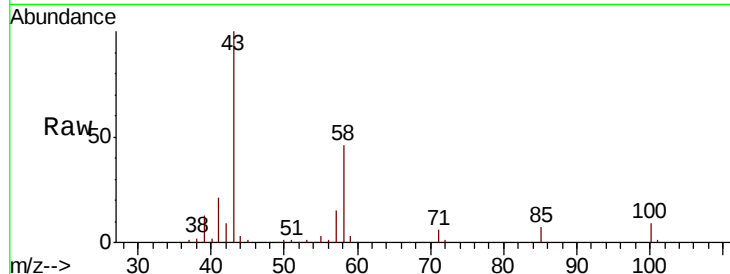




#59
2-Hexanone
Concen: 309.735 ug/l
RT: 9.78 min Scan# 971
Delta R.T. -0.00 min
Lab File: VD059807.D
Acq: 16 Aug 2018 12:15

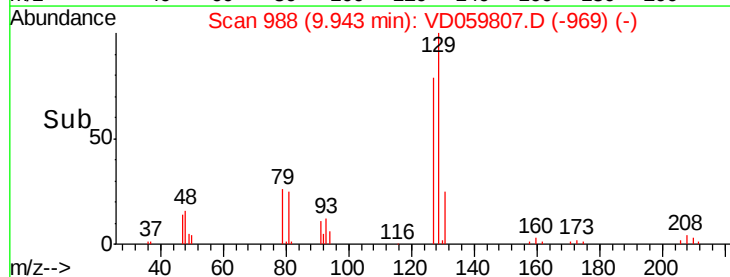
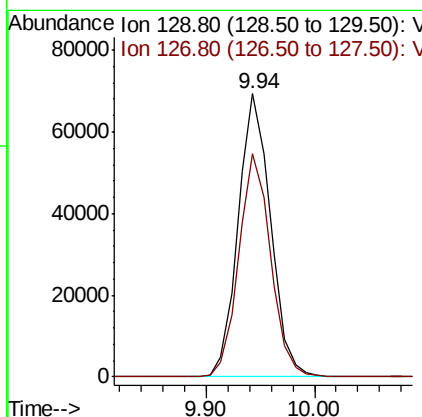
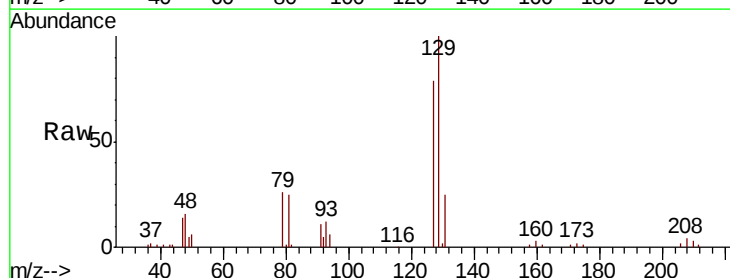
Instrument :
MSVOA_D
ClientSampled :
BFB

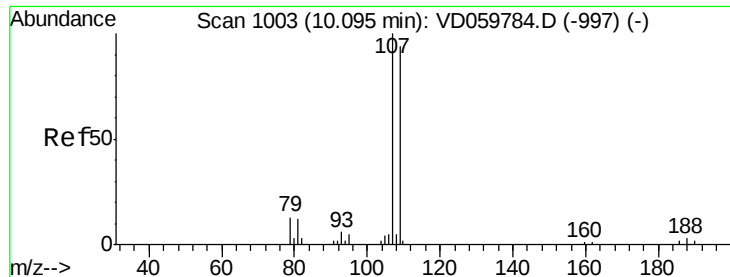
Tgt Ion: 43 Resp: 391469
Ion Ratio Lower Upper
43 100
58 46.2 22.3 66.8



#60
Dibromochloromethane
Concen: 53.477 ug/l
RT: 9.94 min Scan# 988
Delta R.T. -0.01 min
Lab File: VD059807.D
Acq: 16 Aug 2018 12:15

Tgt Ion: 129 Resp: 143801
Ion Ratio Lower Upper
129 100
127 78.7 38.4 115.1

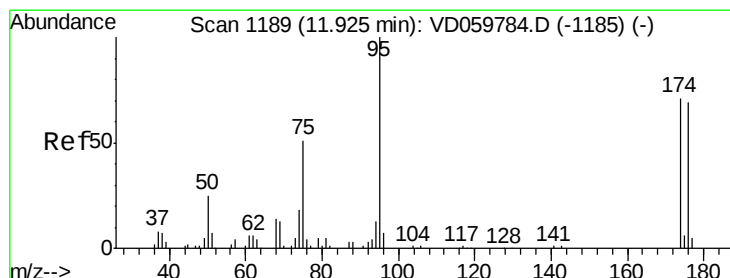
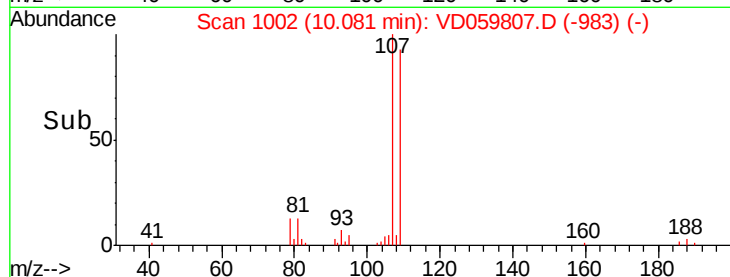
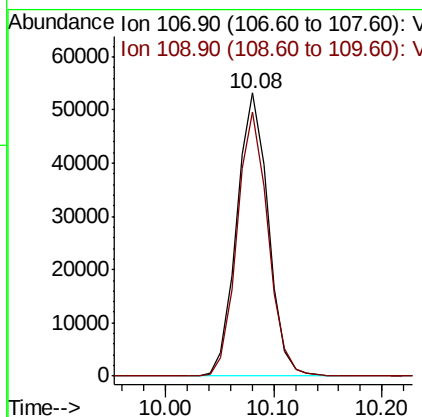
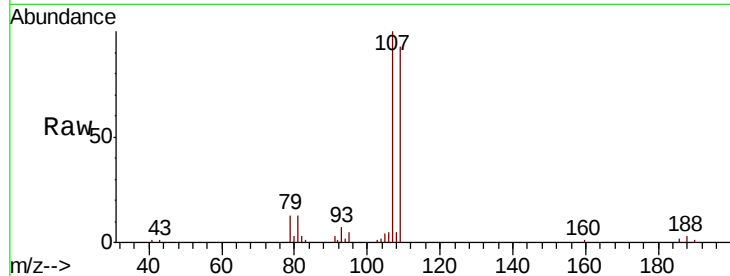




#61
 1,2-Dibromoethane
 Concen: 52.304 ug/l
 RT: 10.08 min Scan# 1002
 Delta R.T. -0.01 min
 Lab File: VD059807.D
 Acq: 16 Aug 2018 12:15

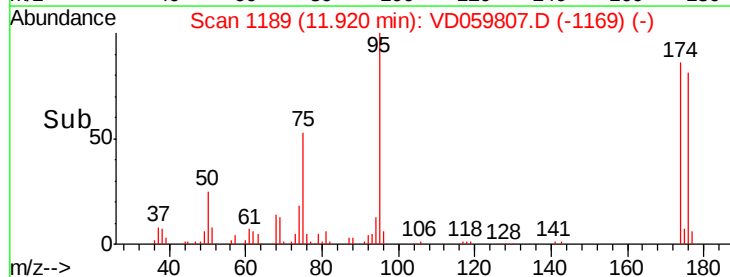
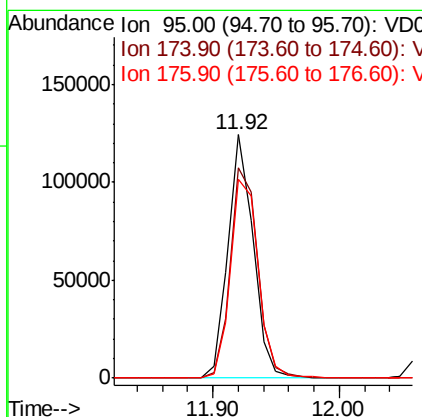
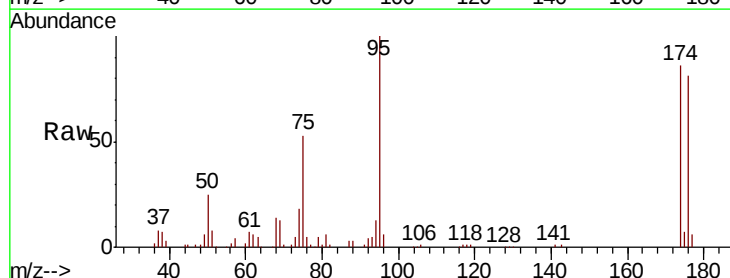
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

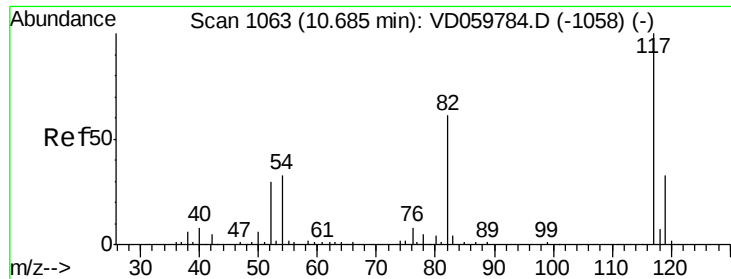
Tgt Ion: 107 Resp: 107304
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 52.304 ug/l
 RT: 11.92 min Scan# 1189
 Delta R.T. -0.00 min
 Lab File: VD059807.D
 Acq: 16 Aug 2018 12:15

Tgt Ion: 95 Resp: 171434
 Ion Ratio Lower Upper
 95 100
 174 86.4 0.0 142.2
 176 81.4 0.0 137.4

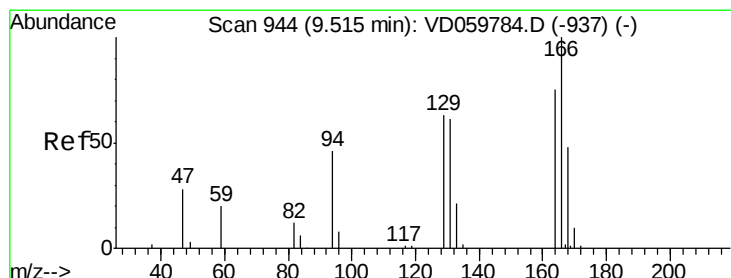
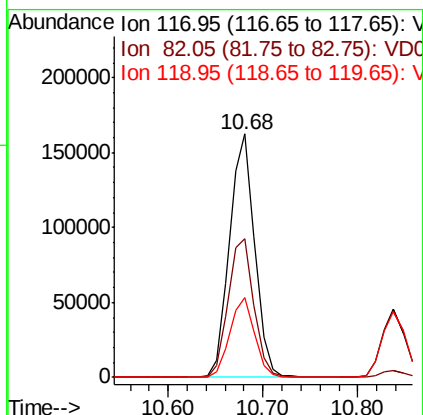
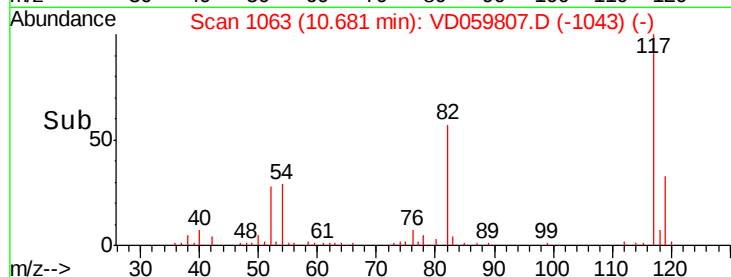
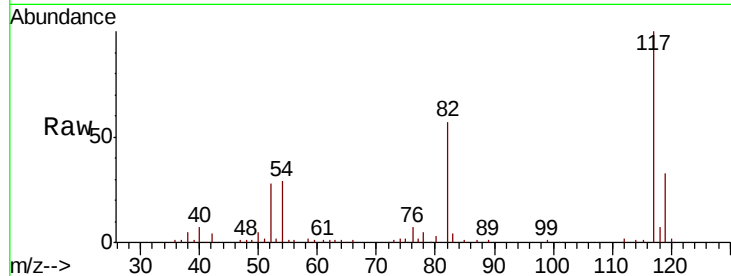




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD059807.D
Acq: 16 Aug 2018 12:15

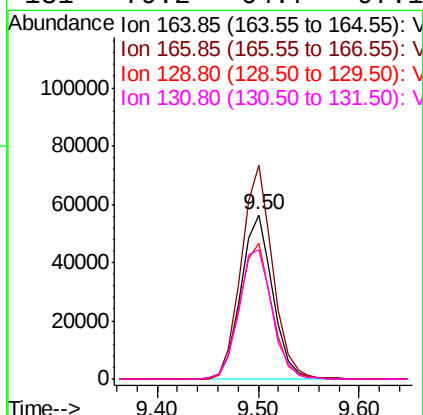
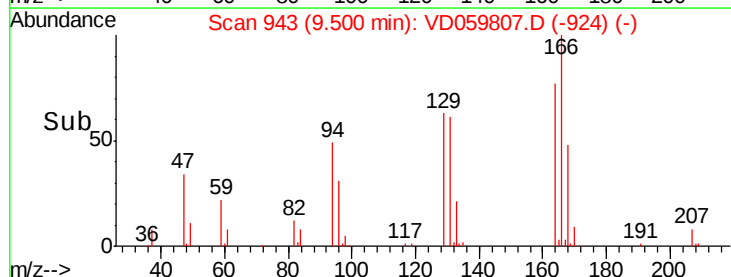
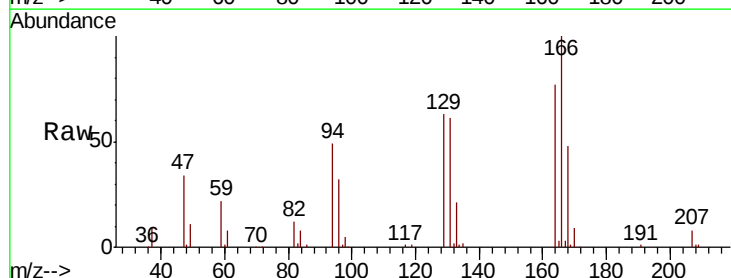
Instrument :
MSVOA_D
ClientSampleId :
BFB

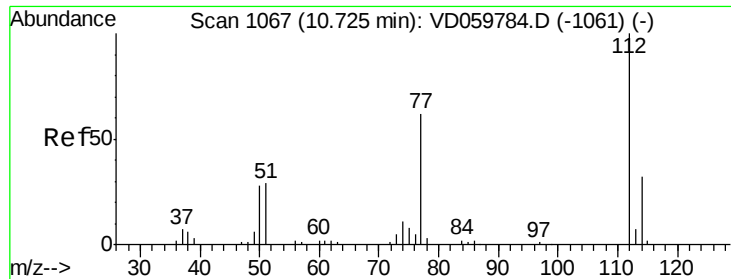
Tgt Ion:117 Resp: 298263
Ion Ratio Lower Upper
117 100
82 56.9 49.0 73.6
119 32.6 26.2 39.2



#64
Tetrachloroethene
Concen: 47.902 ug/l
RT: 9.50 min Scan# 943
Delta R.T. -0.01 min
Lab File: VD059807.D
Acq: 16 Aug 2018 12:15

Tgt Ion:164 Resp: 123053
Ion Ratio Lower Upper
164 100
166 130.3 106.8 160.2
129 82.5 67.2 100.8
131 79.2 64.7 97.1

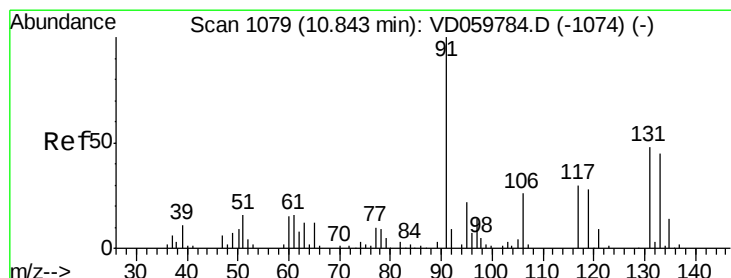
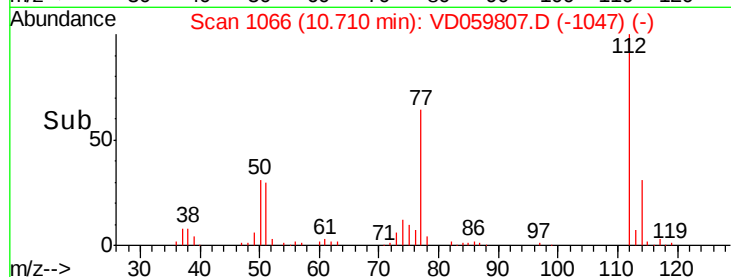
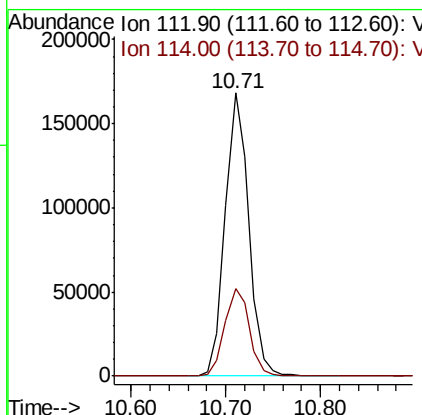
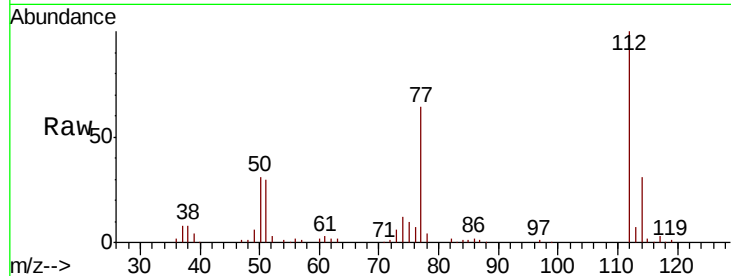




#65
Chlorobenzene
Concen: 47.896 ug/l
RT: 10.71 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VD059807.D
Acq: 16 Aug 2018 12:15

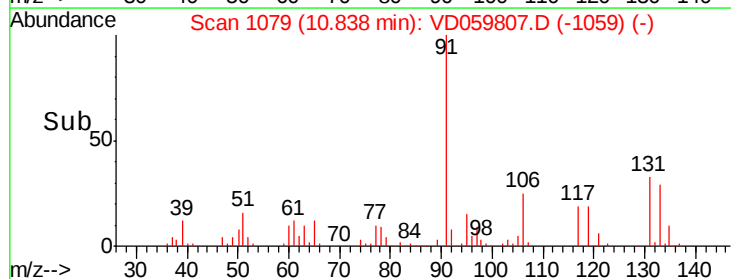
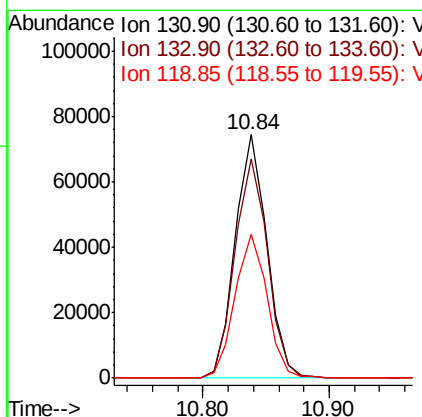
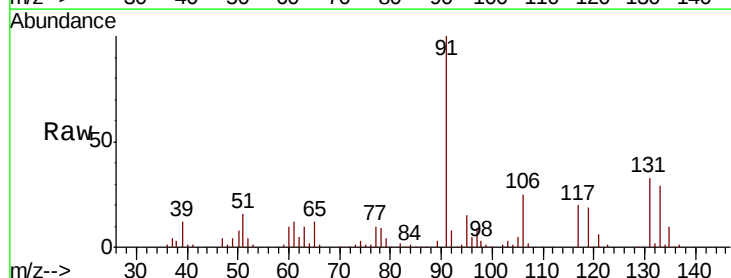
Instrument :
MSVOA_D
ClientSampleId :
BFB

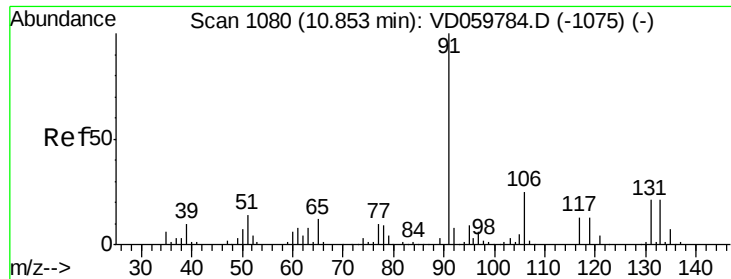
Tgt Ion:112 Resp: 289307
Ion Ratio Lower Upper
112 100
114 30.8 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 53.028 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VD059807.D
Acq: 16 Aug 2018 12:15

Tgt Ion:131 Resp: 129102
Ion Ratio Lower Upper
131 100
133 90.2 47.0 141.0
119 58.8 29.0 87.1

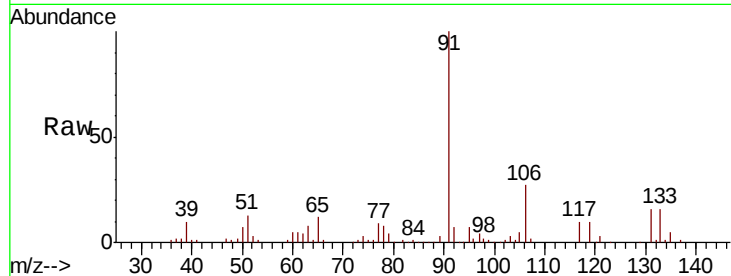




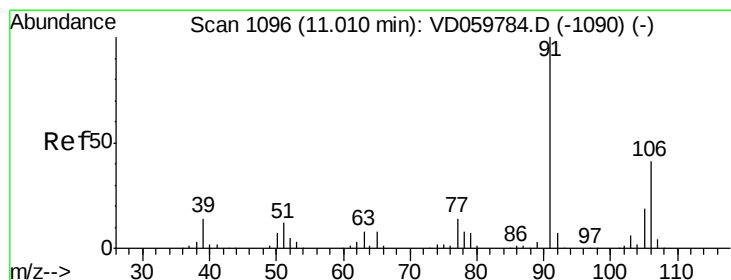
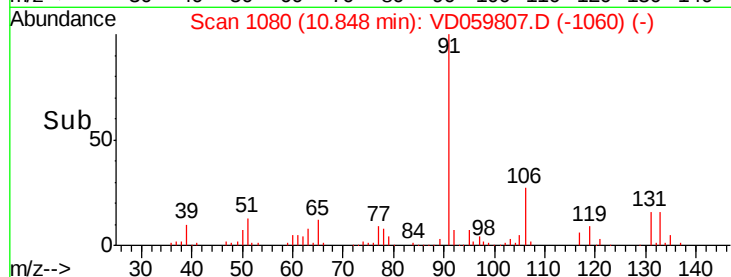
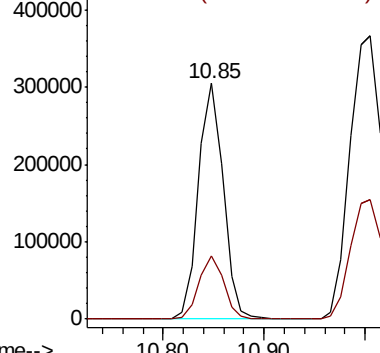
#67
Ethyl Benzene
Concen: 50.298 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VD059807.D
Acq: 16 Aug 2018 12:15

Instrument :
MSVOA_D
ClientSampleId :
BFB

Tgt Ion: 91 Resp: 523098
Ion Ratio Lower Upper
91 100
106 26.7 20.1 30.1

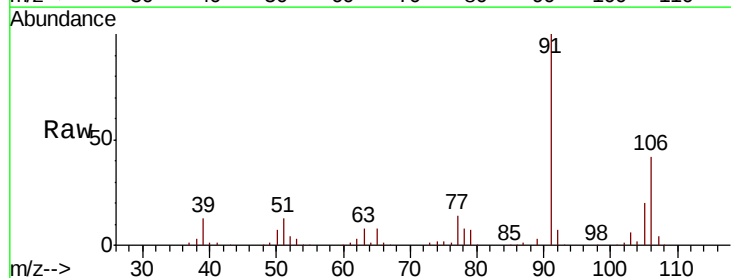


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

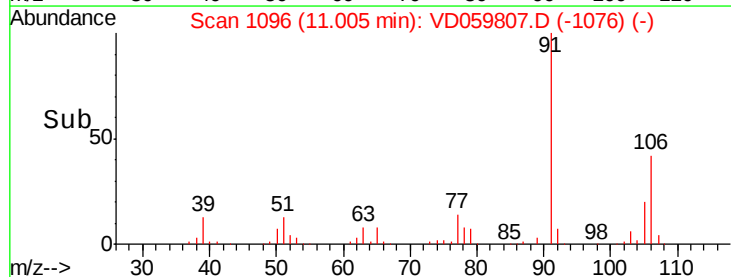
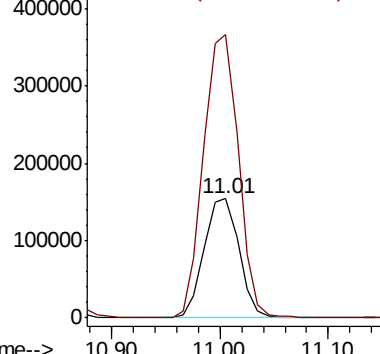


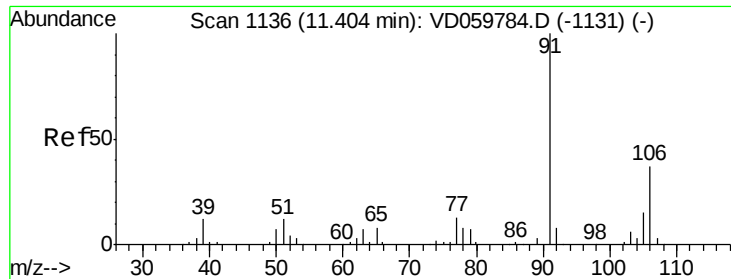
#68
m/p-Xylenes
Concen: 98.160 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD059807.D
Acq: 16 Aug 2018 12:15

Tgt Ion: 106 Resp: 346008
Ion Ratio Lower Upper
106 100
91 237.3 197.4 296.0



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

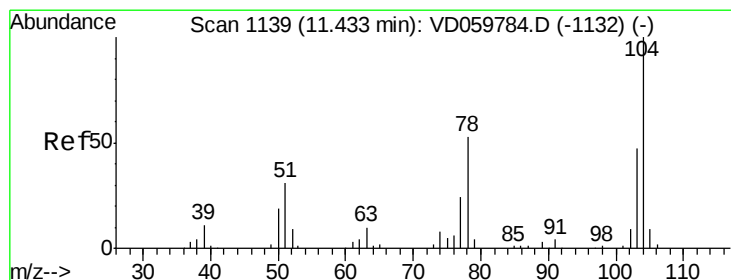
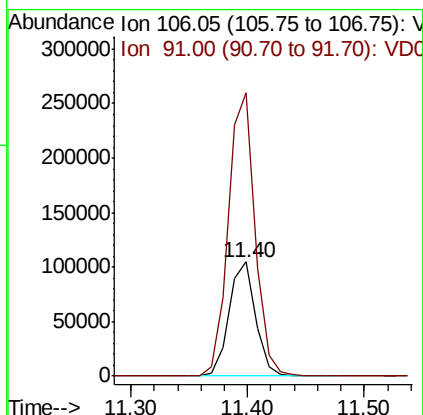
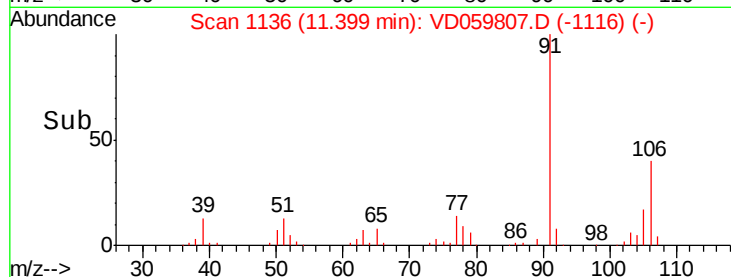
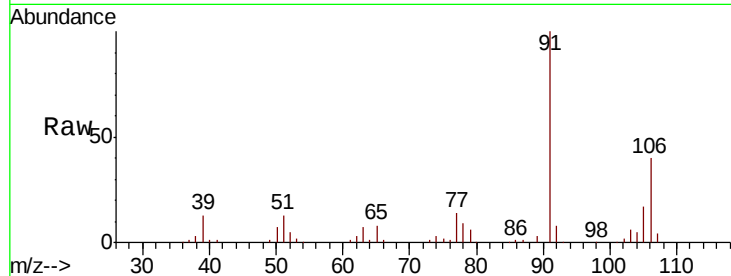




#69
o-Xylene
Concen: 48.818 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD059807.D
Acq: 16 Aug 2018 12:15

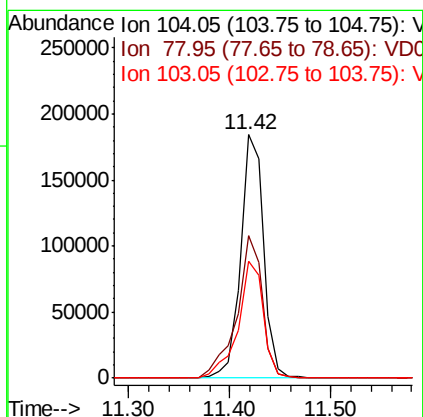
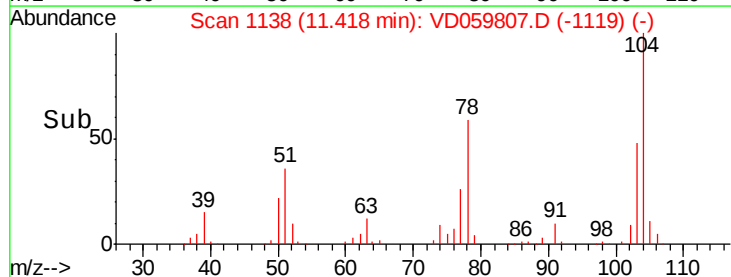
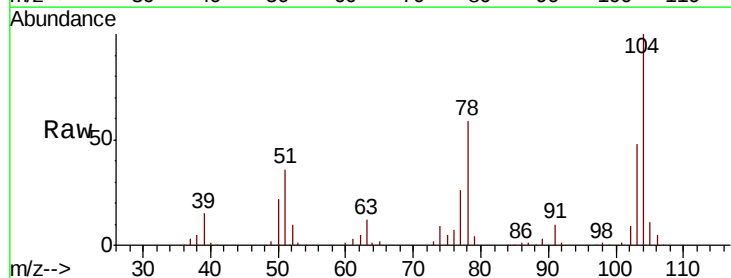
Instrument :
MSVOA_D
ClientSampled :
BFB

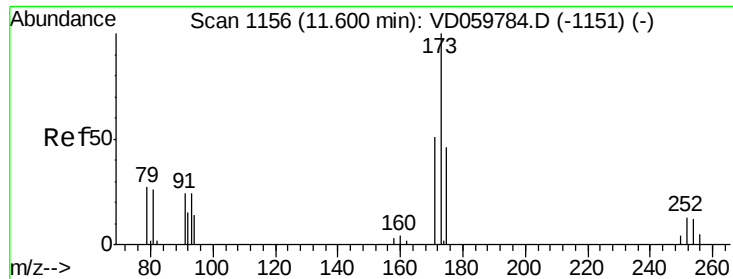
Tgt Ion:106 Resp: 165176
Ion Ratio Lower Upper
106 100
91 248.5 133.7 401.1



#70
Styrene
Concen: 48.537 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD059807.D
Acq: 16 Aug 2018 12:15

Tgt Ion:104 Resp: 291251
Ion Ratio Lower Upper
104 100
78 58.6 42.6 64.0
103 48.1 37.8 56.6

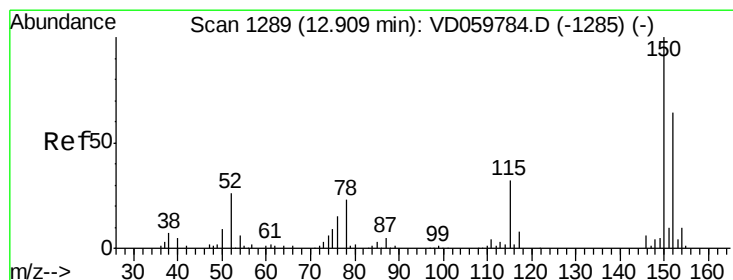
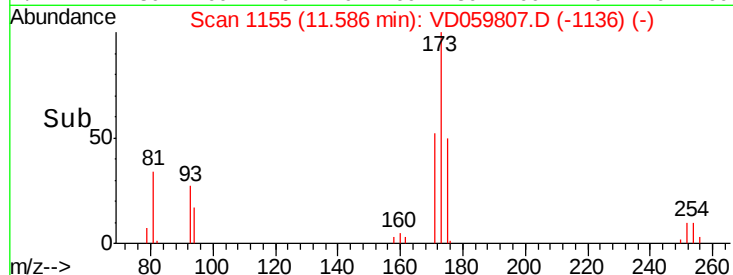
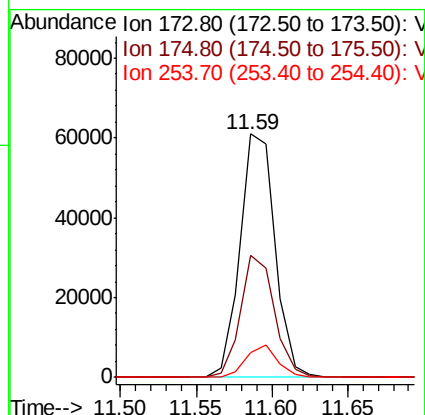
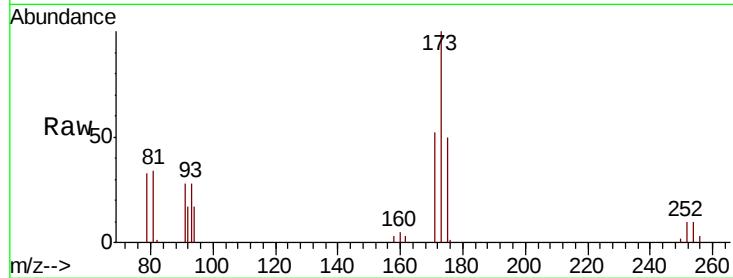




#71
 Bromoform
 Concen: 55.217 ug/l
 RT: 11.59 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: VD059807.D
 Acq: 16 Aug 2018 12:15

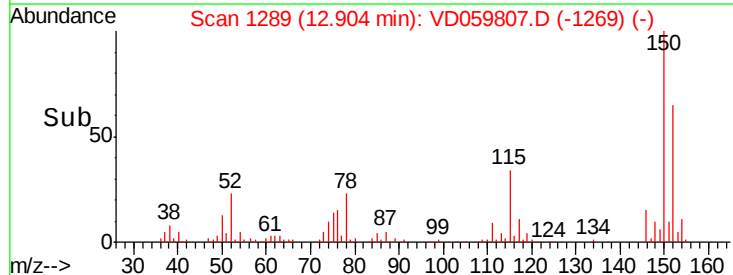
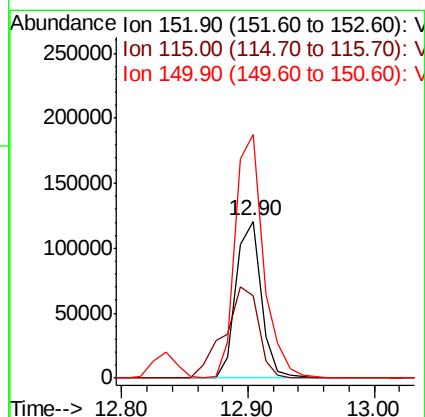
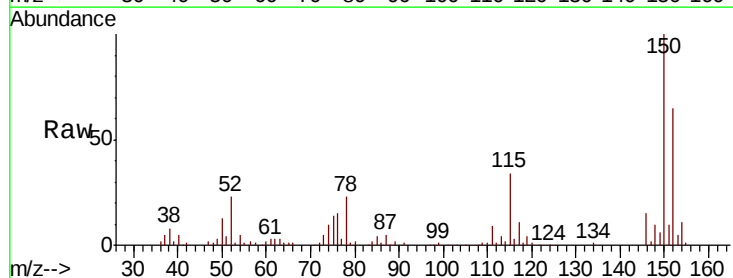
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

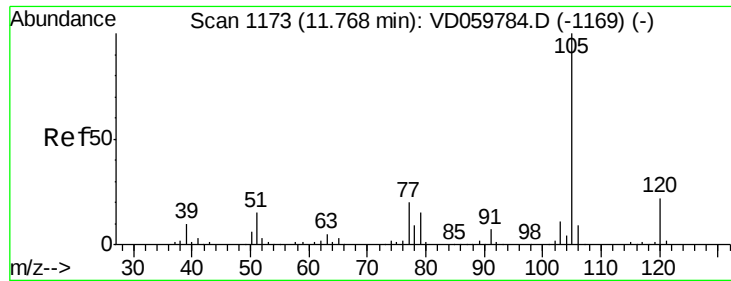
Tgt Ion:173 Resp: 97718
 Ion Ratio Lower Upper
 173 100
 175 50.0 23.1 69.2
 254 10.1 9.7 14.5



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.90 min Scan# 1289
 Delta R.T. -0.00 min
 Lab File: VD059807.D
 Acq: 16 Aug 2018 12:15

Tgt Ion:152 Resp: 165647
 Ion Ratio Lower Upper
 152 100
 115 52.4 27.2 81.5
 150 155.0 0.0 312.4





#73

Isopropylbenzene

Concen: 47.543 ug/l

RT: 11.76 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VD059807.D

Acq: 16 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

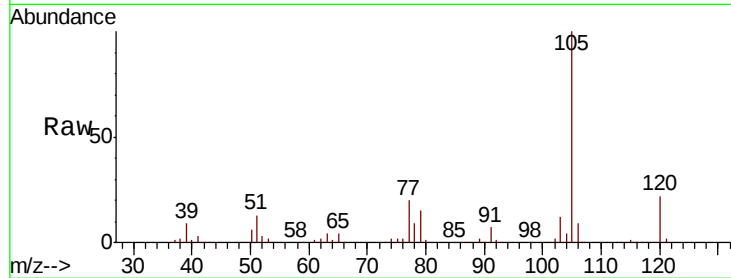
BFB

Tgt Ion: 105 Resp: 498662

Ion Ratio Lower Upper

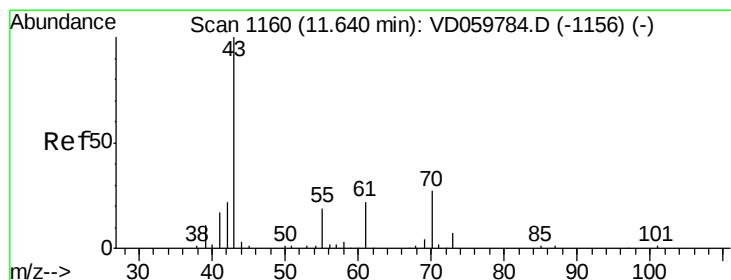
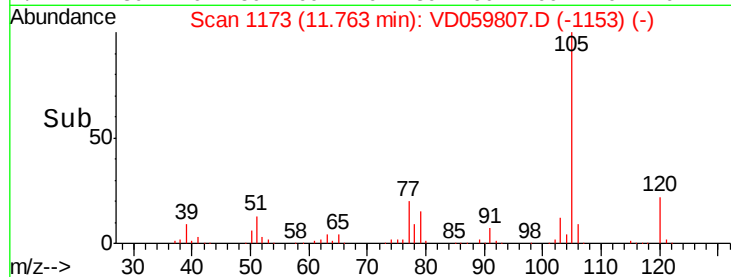
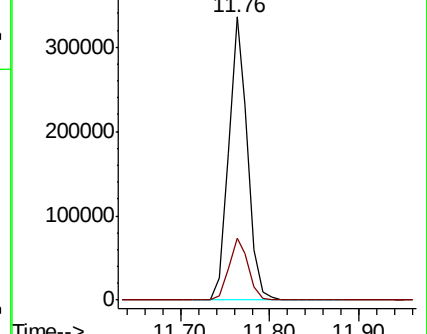
105 100

120 21.7 10.9 32.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 52.727 ug/l

RT: 11.63 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VD059807.D

Acq: 16 Aug 2018 12:15

Tgt Ion: 43 Resp: 169566

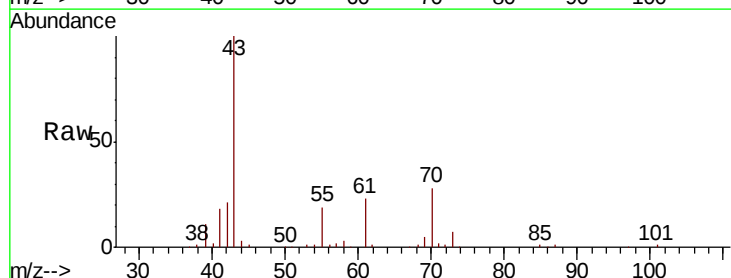
Ion Ratio Lower Upper

43 100

70 27.6 21.8 32.6

55 18.9 15.1 22.7

61 22.6 18.0 27.0

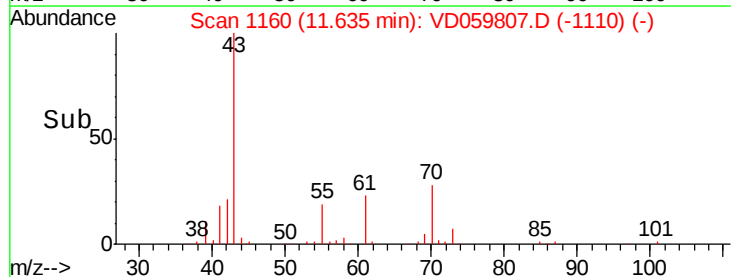
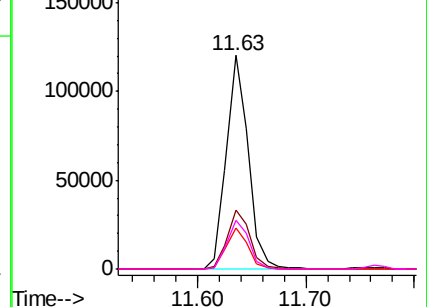


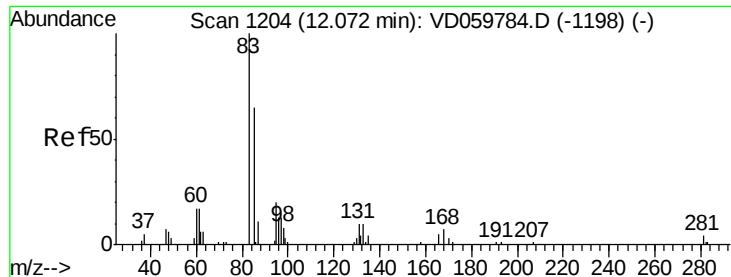
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 50.189 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD059807.D

Acq: 16 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampled :

BFB

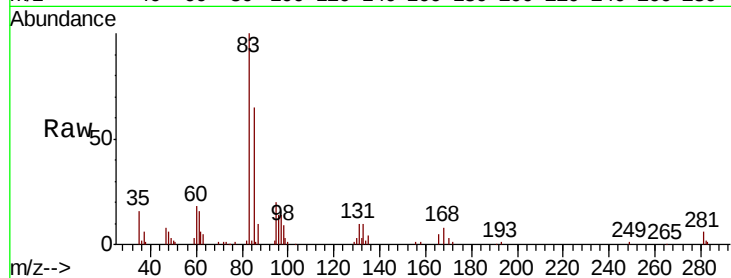
Tgt Ion: 83 Resp: 106898

Ion Ratio Lower Upper

83 100

131 10.4 5.0 15.0

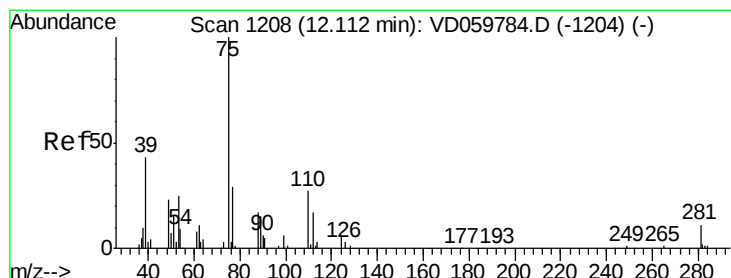
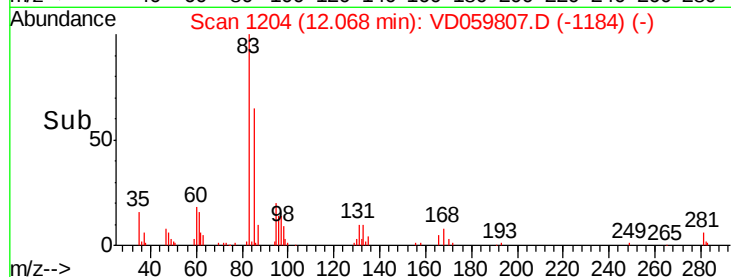
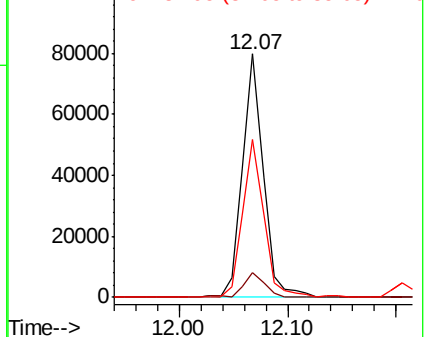
85 64.8 32.8 98.3



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: 51.489 ug/l

RT: 12.10 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VD059807.D

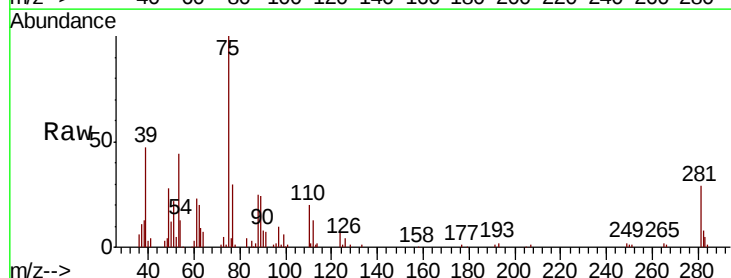
Acq: 16 Aug 2018 12:15

Tgt Ion: 75 Resp: 121009

Ion Ratio Lower Upper

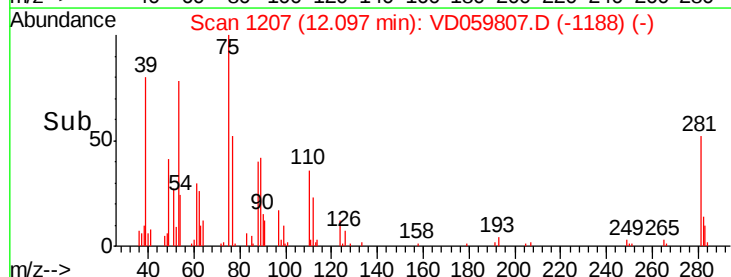
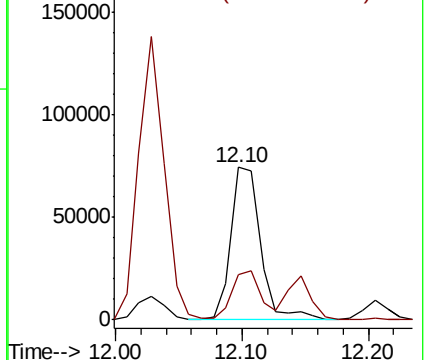
75 100

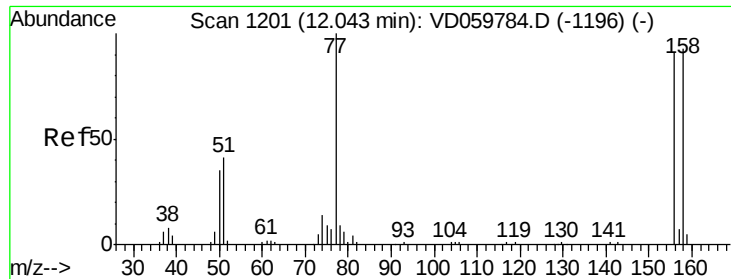
77 29.6 16.2 48.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

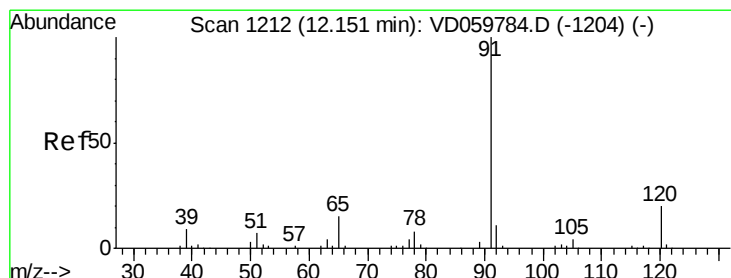
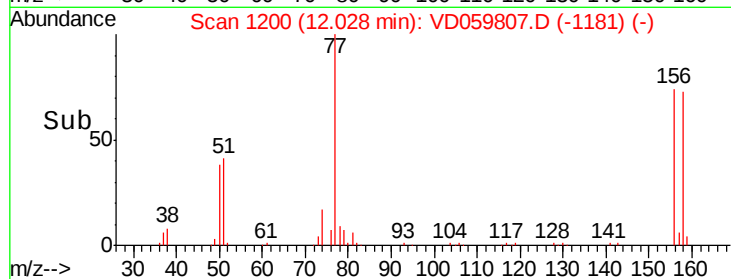
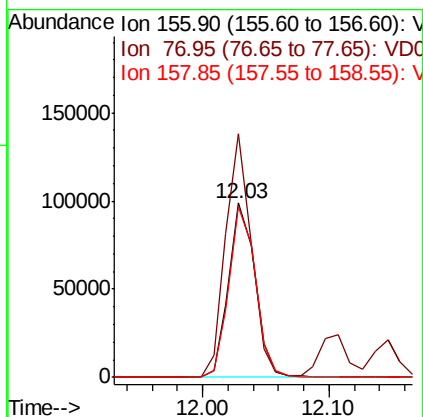
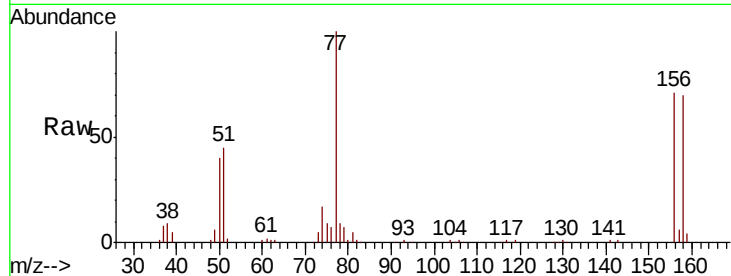




#77
Bromobenzene
Concen: 47.703 ug/l
RT: 12.03 min Scan# 1200
Delta R.T. -0.01 min
Lab File: VD059807.D
Acq: 16 Aug 2018 12:15

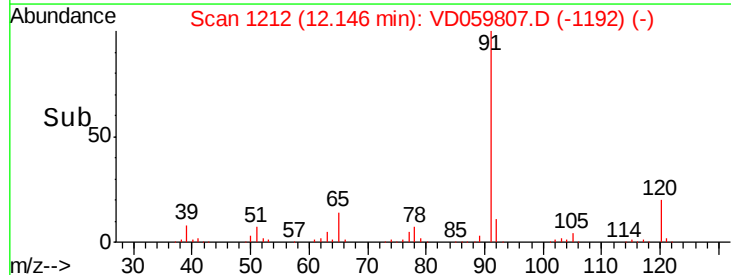
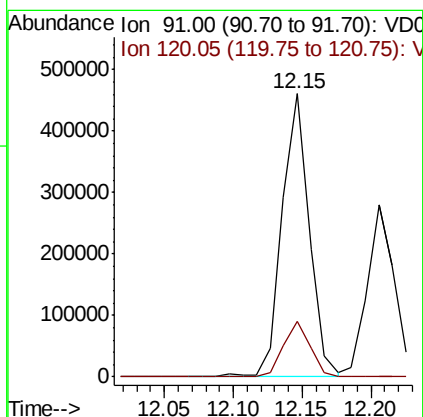
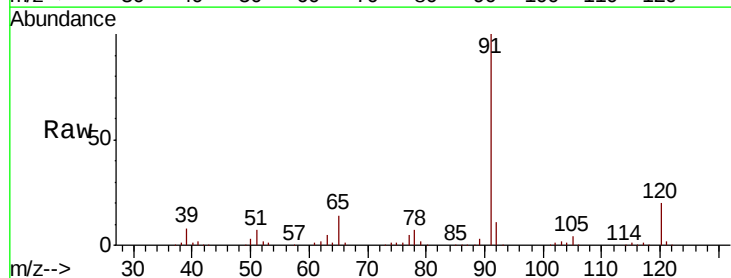
Instrument :
MSVOA_D
ClientSampleId :
BFB

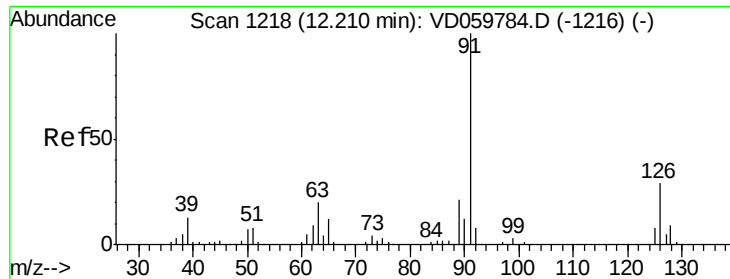
Tgt Ion: 156 Resp: 142976
Ion Ratio Lower Upper
156 100
77 140.0 54.9 164.8
158 97.9 51.2 153.6



#78
n-propylbenzene
Concen: 47.898 ug/l
RT: 12.15 min Scan# 1212
Delta R.T. -0.00 min
Lab File: VD059807.D
Acq: 16 Aug 2018 12:15

Tgt Ion: 91 Resp: 626668
Ion Ratio Lower Upper
91 100
120 19.7 9.8 29.4

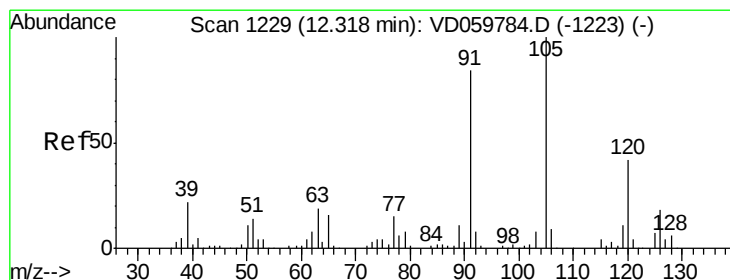
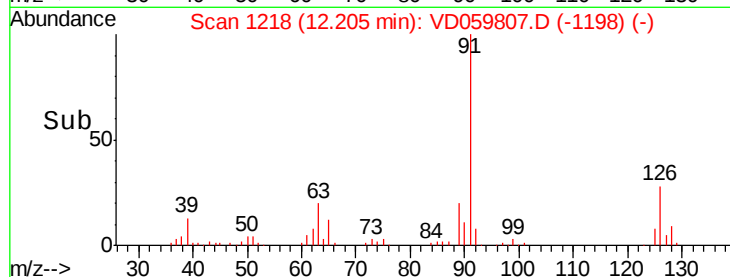
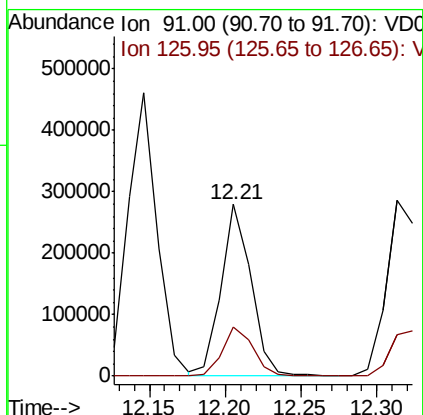
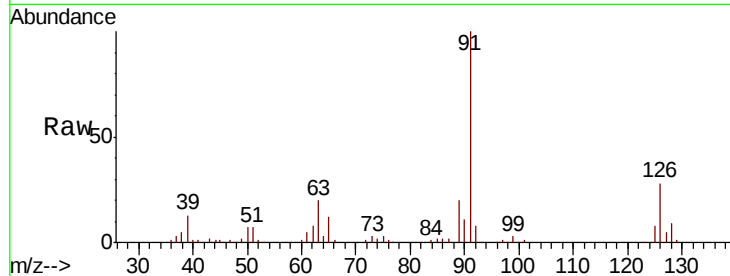




#79
 2-Chlorotoluene
 Concen: 48.539 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VD059807.D
 Acq: 16 Aug 2018 12:15

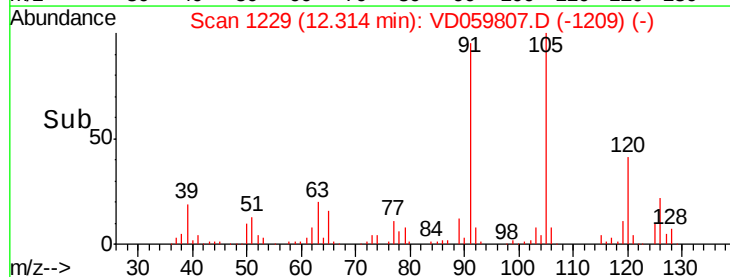
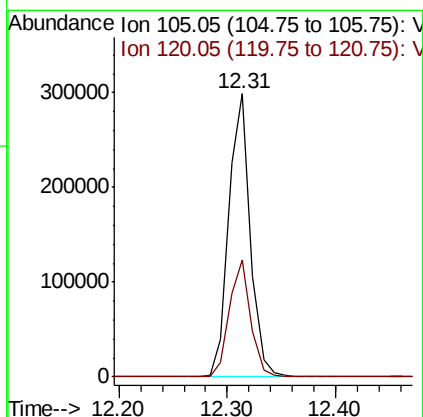
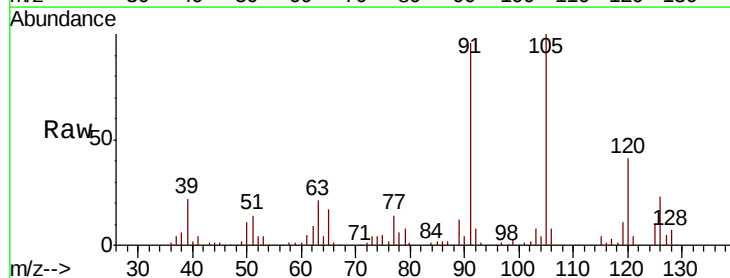
Instrument :
 MSVOA_D
 ClientSampled :
 BFB

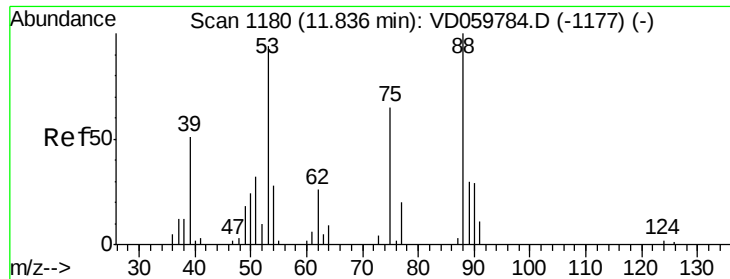
Tgt Ion: 91 Resp: 382957
 Ion Ratio Lower Upper
 91 100
 126 28.5 14.0 41.9



#80
 1,3,5-Trimethylbenzene
 Concen: 49.097 ug/l
 RT: 12.31 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD059807.D
 Acq: 16 Aug 2018 12:15

Tgt Ion: 105 Resp: 412329
 Ion Ratio Lower Upper
 105 100
 120 41.4 20.8 62.5





#81

trans-1,4-Dichloro-2-butene

Concen: 58.968 ug/l

RT: 11.83 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD059807.D

Acq: 16 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

BFB

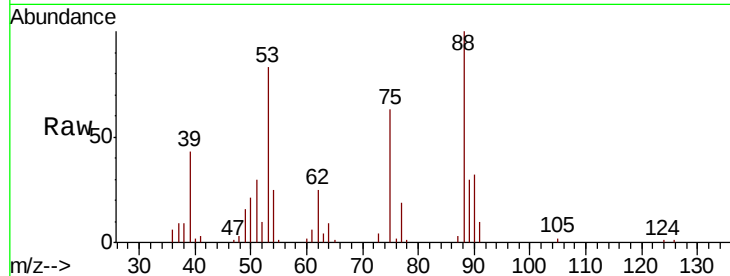
Tgt Ion: 75 Resp: 32424

Ion Ratio Lower Upper

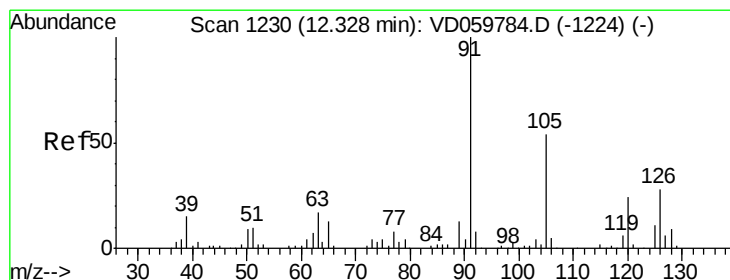
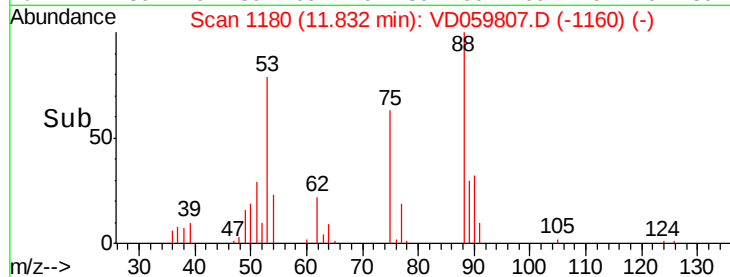
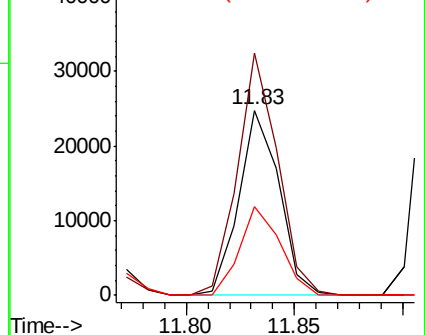
75 100

53 131.0 116.2 174.2

89 48.0 37.0 55.6



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



#82

4-Chlorotoluene

Concen: 47.802 ug/l

RT: 12.31 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VD059807.D

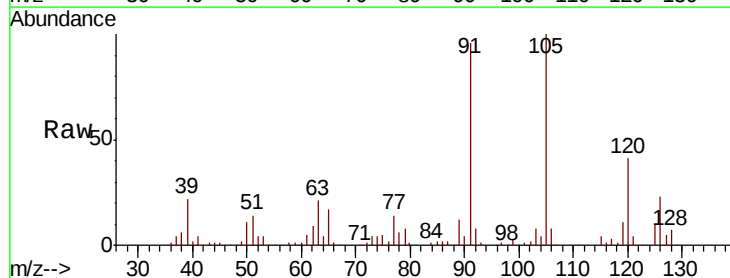
Acq: 16 Aug 2018 12:15

Tgt Ion: 91 Resp: 428078

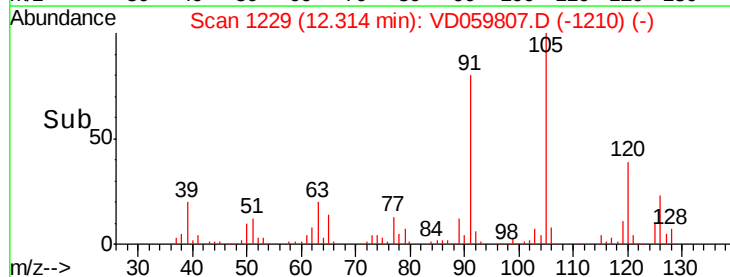
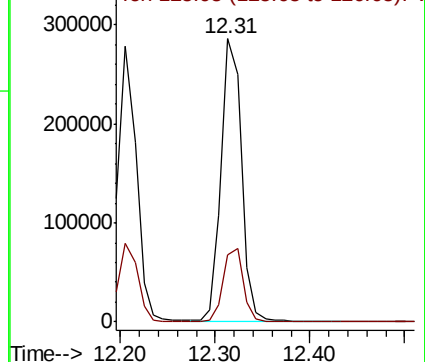
Ion Ratio Lower Upper

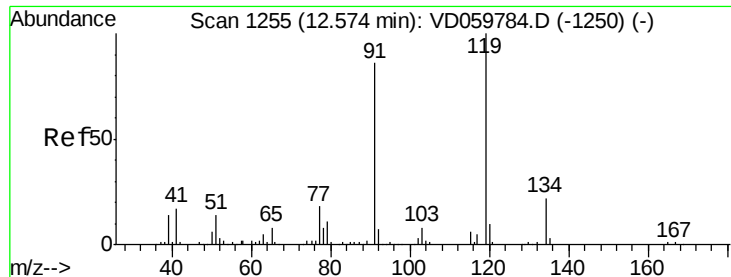
91 100

126 23.6 13.9 41.7



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

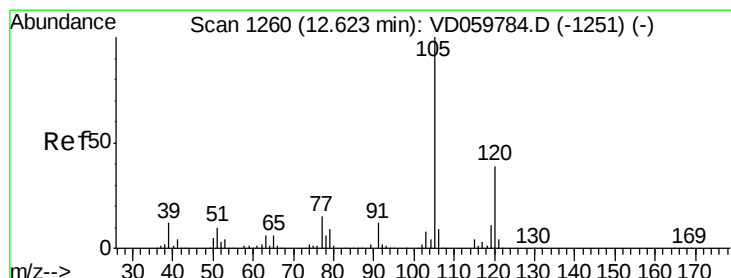
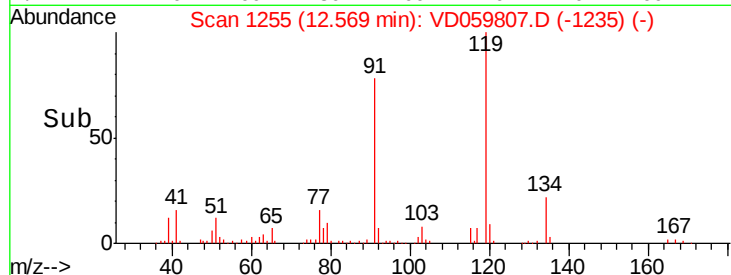
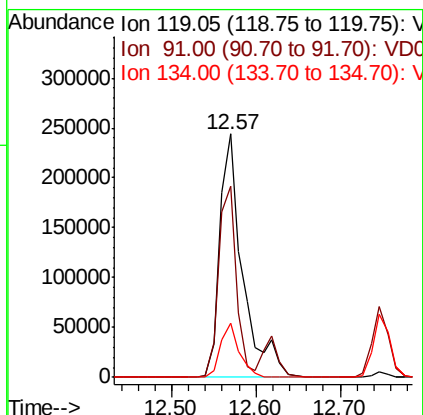
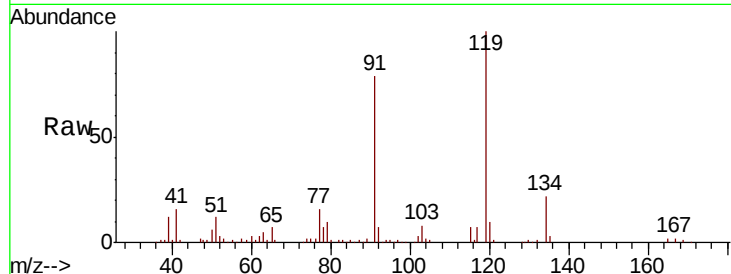




#83
 tert-Butylbenzene
 Concen: 49.570 ug/l
 RT: 12.57 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VD059807.D
 Acq: 16 Aug 2018 12:15

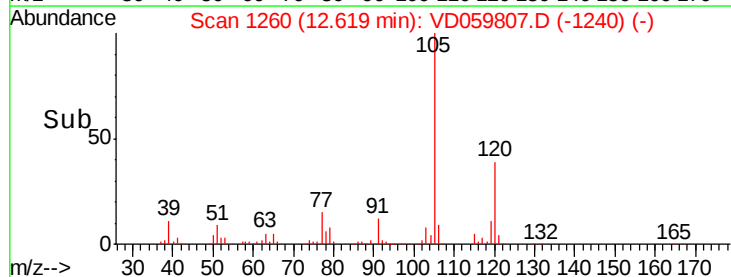
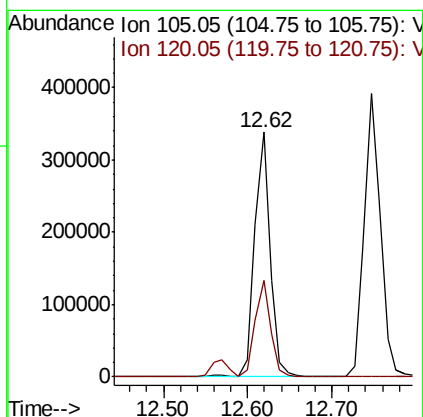
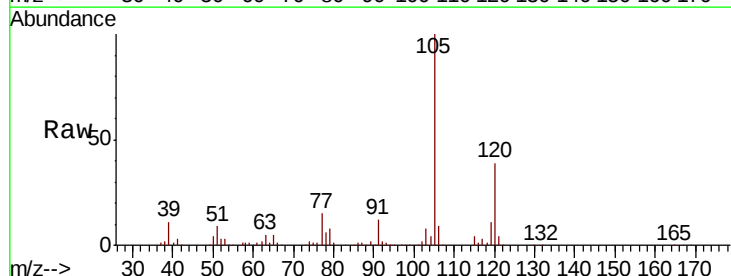
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

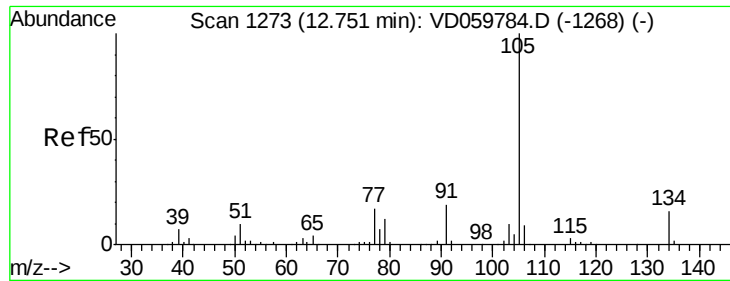
Tgt Ion:119 Resp: 459990
 Ion Ratio Lower Upper
 119 100
 91 78.7 43.1 129.3
 134 22.2 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 48.586 ug/l
 RT: 12.62 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VD059807.D
 Acq: 16 Aug 2018 12:15

Tgt Ion:105 Resp: 439709
 Ion Ratio Lower Upper
 105 100
 120 39.4 19.6 58.8





#85

sec-Butylbenzene

Concen: 48.806 ug/l

RT: 12.75 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD059807.D

Acq: 16 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

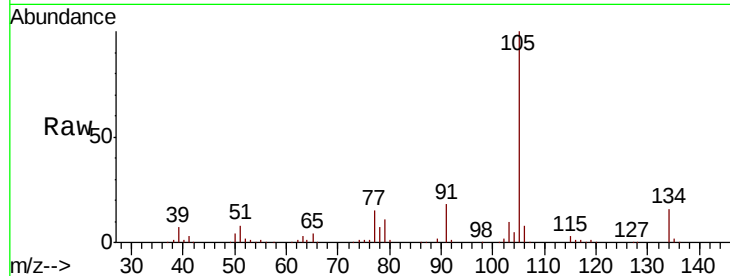
BFB

Tgt Ion:105 Resp: 524925

Ion Ratio Lower Upper

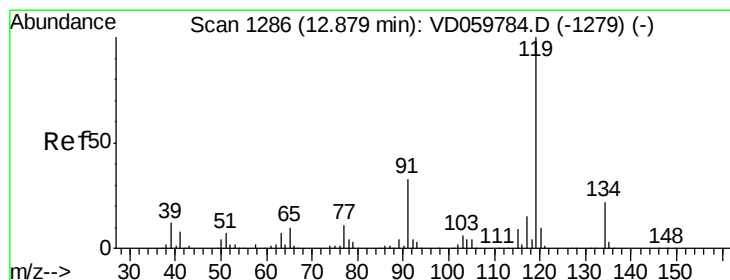
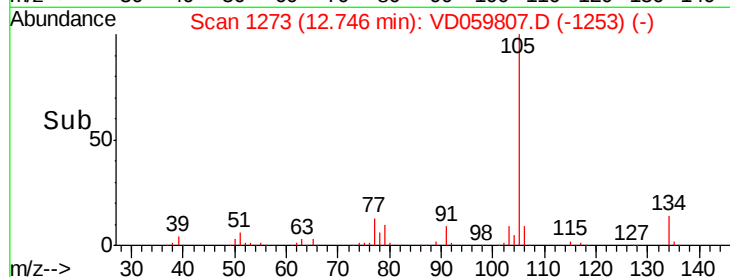
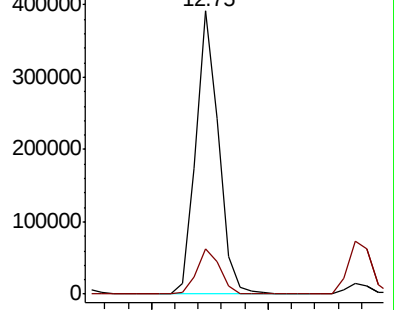
105 100

134 16.0 8.2 24.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 49.726 ug/l

RT: 12.87 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VD059807.D

Acq: 16 Aug 2018 12:15

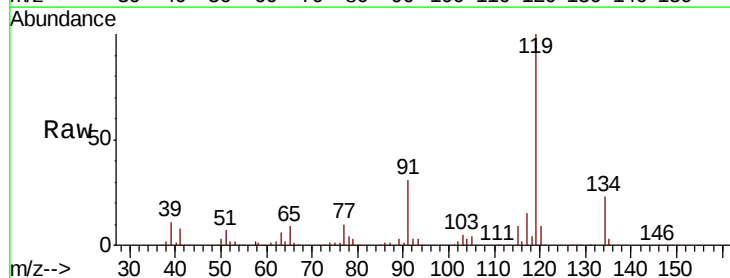
Tgt Ion:119 Resp: 447526

Ion Ratio Lower Upper

119 100

134 22.8 10.9 32.6

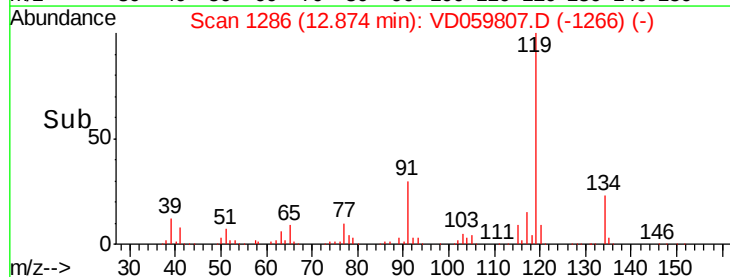
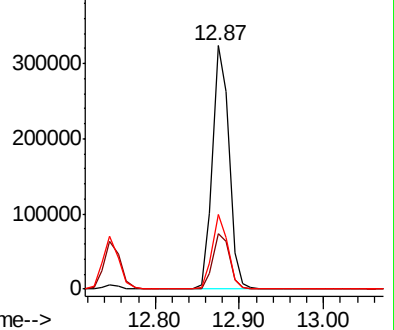
91 30.7 16.4 49.4

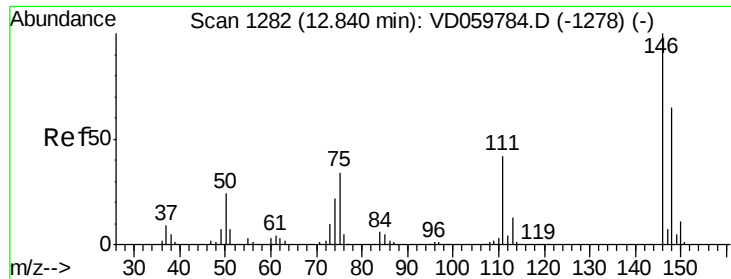


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

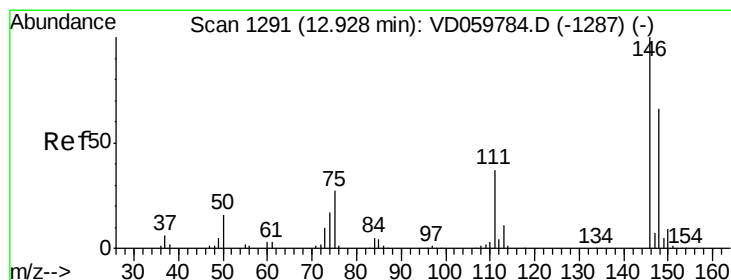
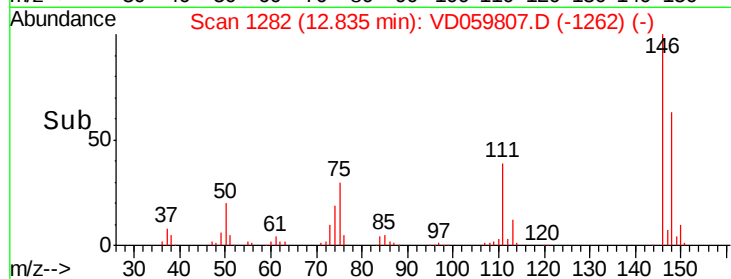
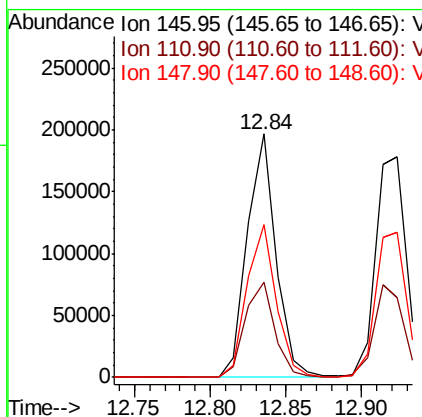
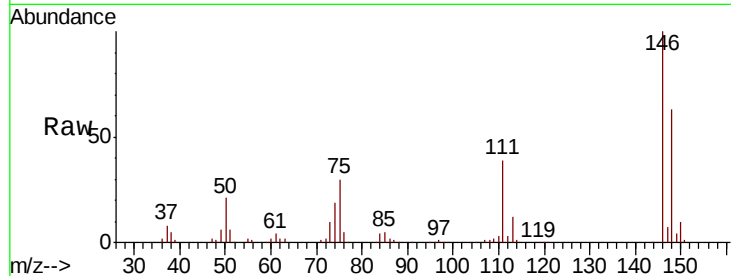




#87
 1,3-Dichlorobenzene
 Concen: 48.359 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD059807.D
 Acq: 16 Aug 2018 12:15

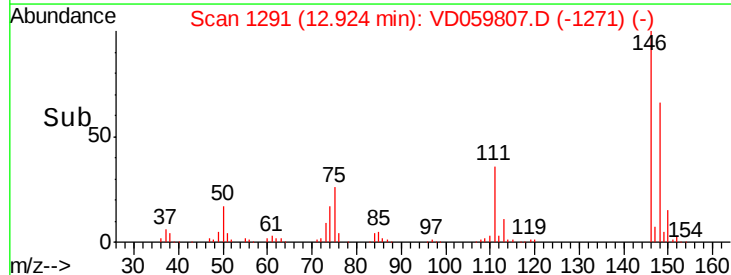
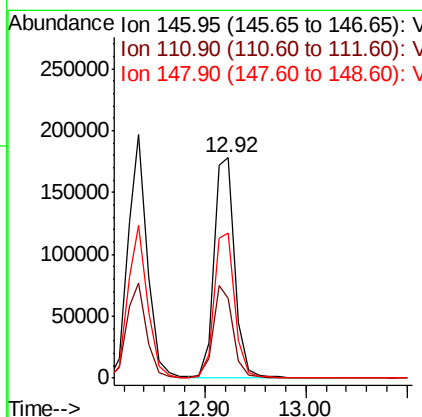
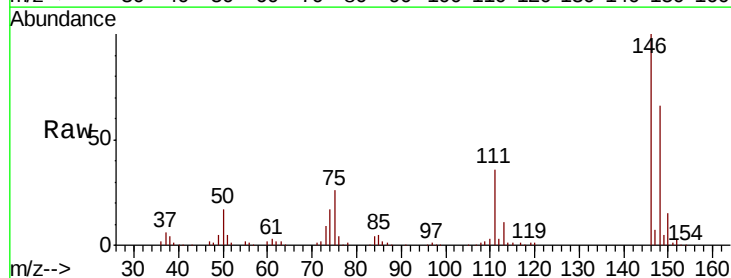
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

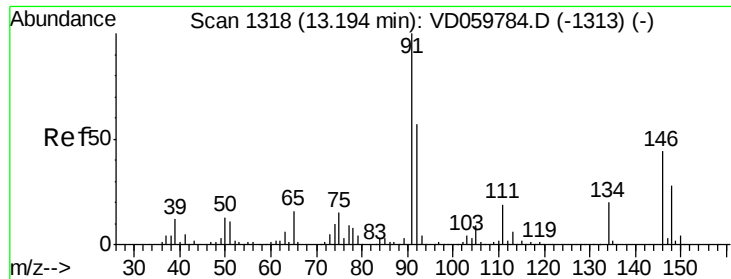
Tgt Ion:146 Resp: 259901
 Ion Ratio Lower Upper
 146 100
 111 39.2 20.9 62.8
 148 62.8 32.6 97.8



#88
 1,4-Dichlorobenzene
 Concen: 48.613 ug/l
 RT: 12.92 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD059807.D
 Acq: 16 Aug 2018 12:15

Tgt Ion:146 Resp: 259027
 Ion Ratio Lower Upper
 146 100
 111 36.1 18.6 55.6
 148 66.1 33.0 99.0

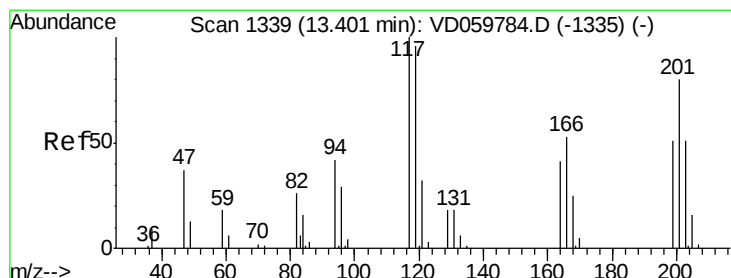
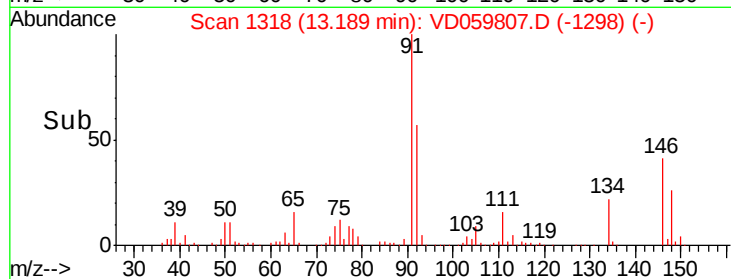
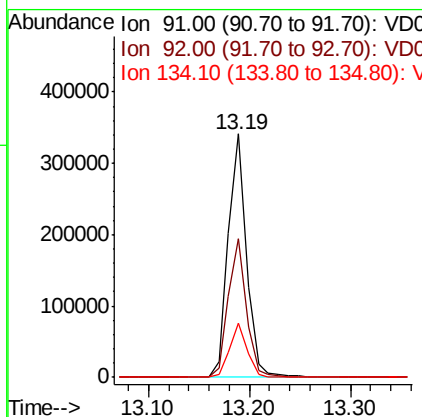
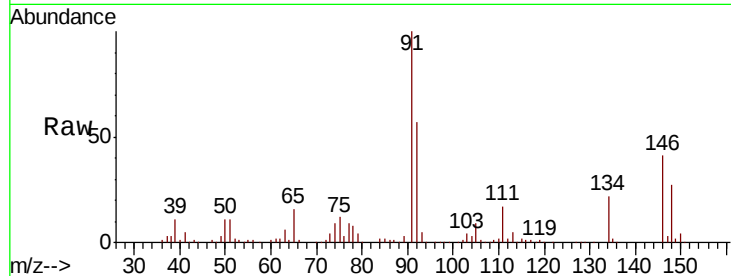




#89
n-Butylbenzene
Concen: 47.155 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VD059807.D
Acq: 16 Aug 2018 12:15

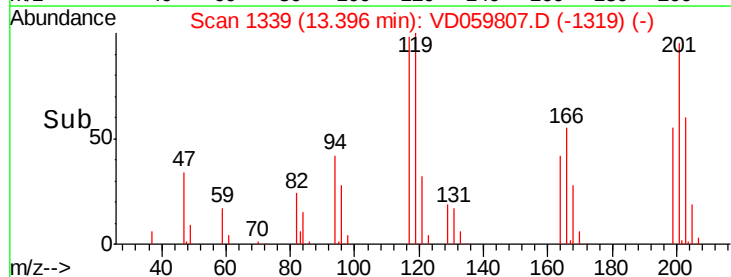
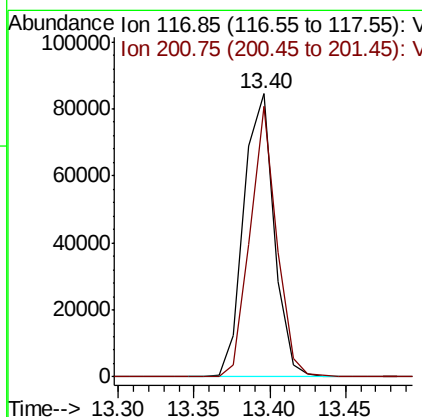
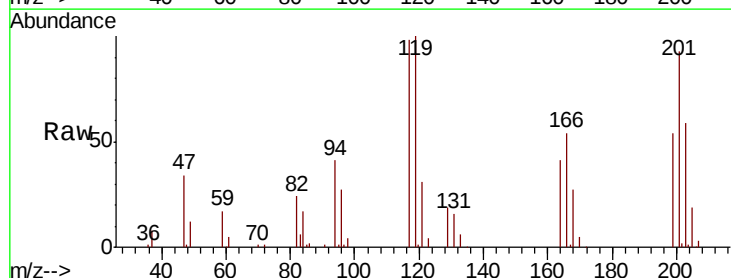
Instrument :
MSVOA_D
ClientSampleId :
BFB

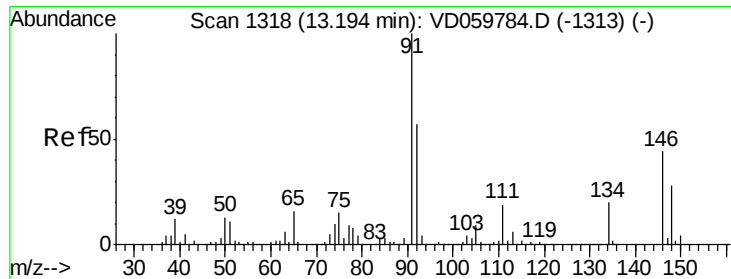
Tgt Ion: 91 Resp: 429089
Ion Ratio Lower Upper
91 100
92 57.1 28.4 85.3
134 22.2 10.2 30.4



#90
Hexachloroethane
Concen: 51.991 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VD059807.D
Acq: 16 Aug 2018 12:15

Tgt Ion: 117 Resp: 117414
Ion Ratio Lower Upper
117 100
201 95.5 39.9 119.7

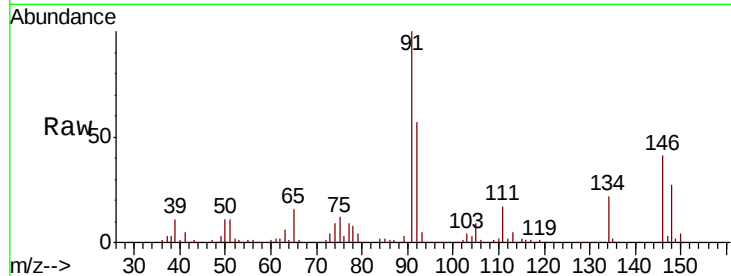




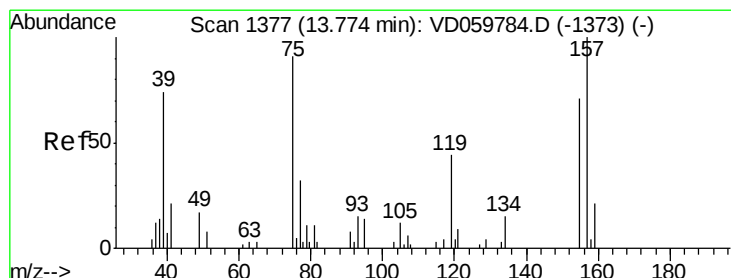
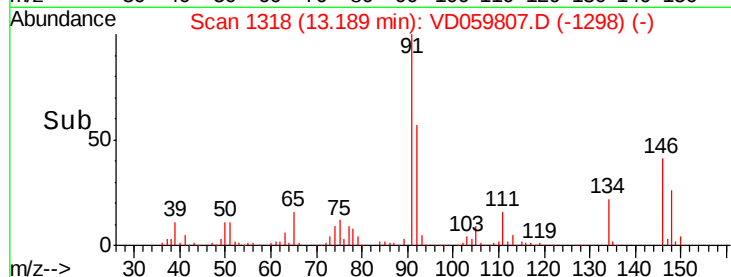
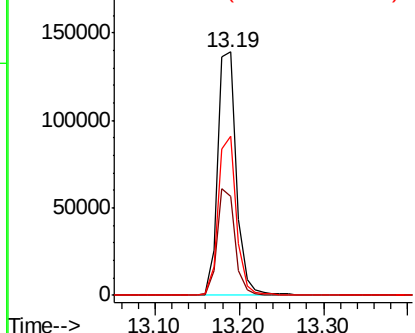
#91
 1,2-Dichlorobenzene
 Concen: 48.564 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: VD059807.D
 Acq: 16 Aug 2018 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

Tgt Ion: 146 Resp: 214674
 Ion Ratio Lower Upper
 146 100
 111 40.5 21.1 63.1
 148 65.3 32.0 96.2

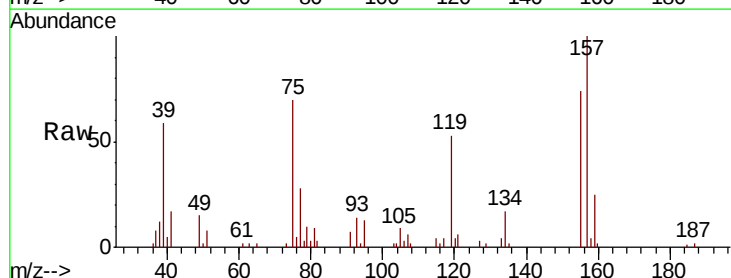


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

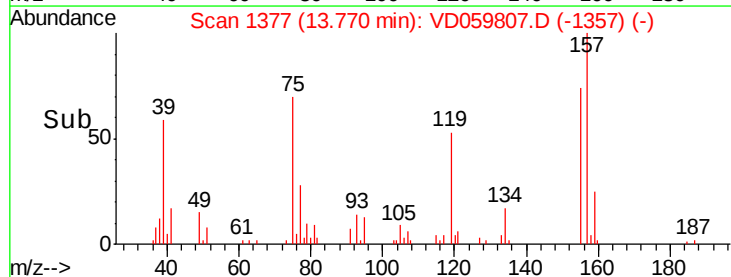
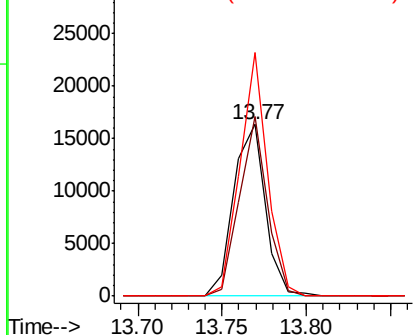


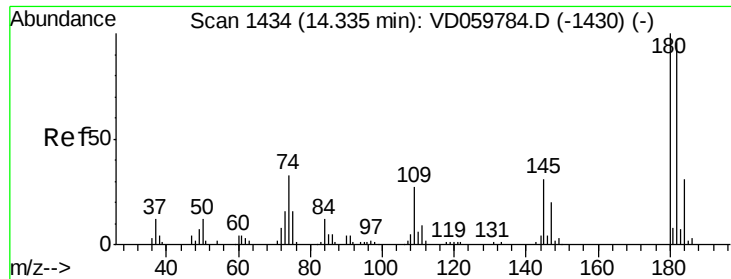
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.284 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VD059807.D
 Acq: 16 Aug 2018 12:15

Tgt Ion: 75 Resp: 21388
 Ion Ratio Lower Upper
 75 100
 155 104.8 39.0 117.0
 157 141.8 54.8 164.3



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

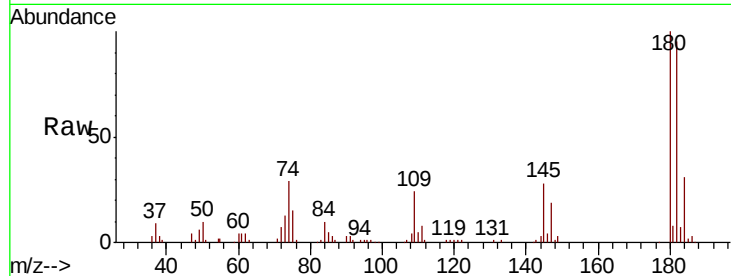




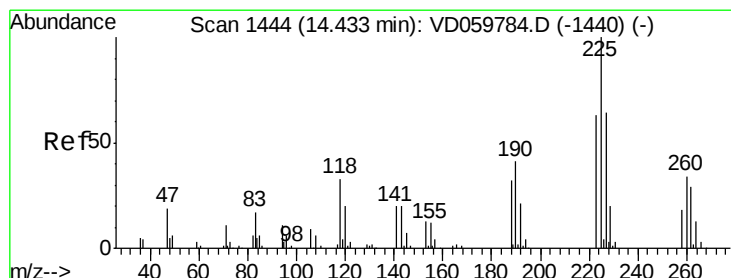
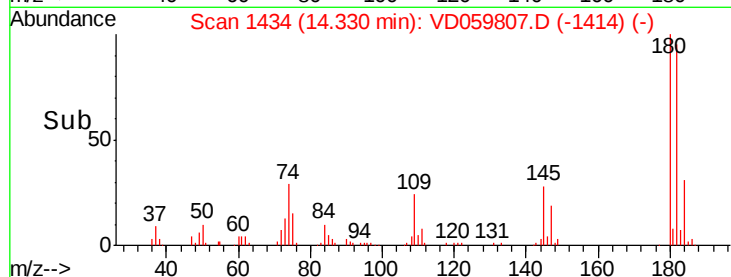
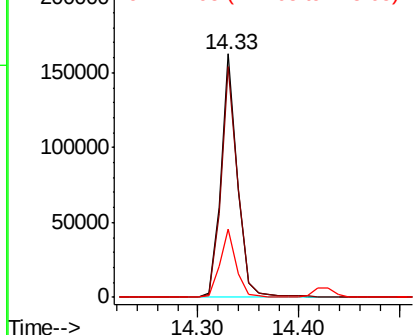
#93
 1,2,4-Trichlorobenzene
 Concen: 50.524 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VD059807.D
 Acq: 16 Aug 2018 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

Tgt Ion:180 Resp: 186743
 Ion Ratio Lower Upper
 180 100
 182 94.6 48.0 144.0
 145 27.9 15.5 46.5

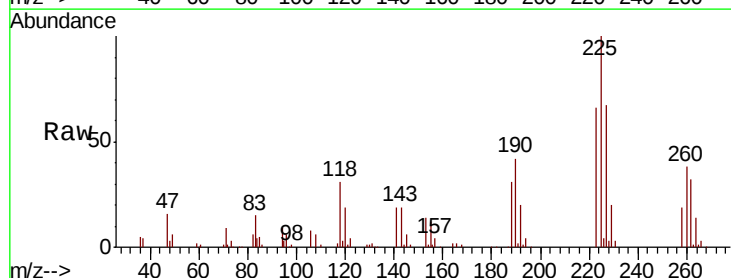


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

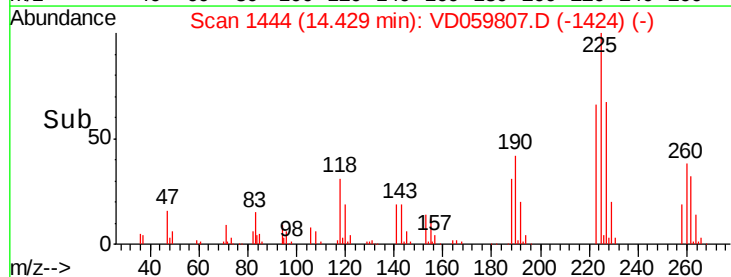
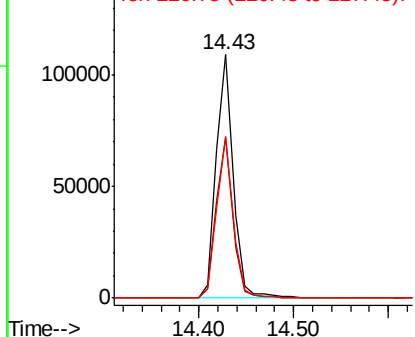


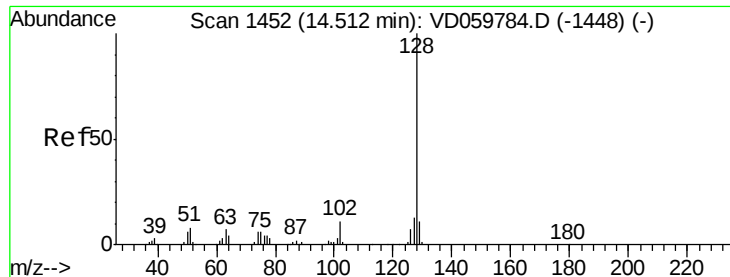
#94
 Hexachlorobutadiene
 Concen: 50.047 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VD059807.D
 Acq: 16 Aug 2018 12:15

Tgt Ion:225 Resp: 136544
 Ion Ratio Lower Upper
 225 100
 223 65.7 31.4 94.2
 227 66.6 32.1 96.5



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

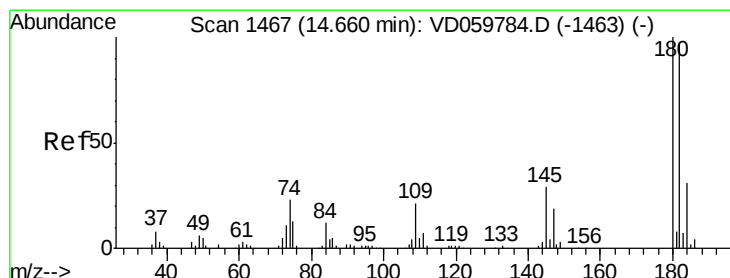
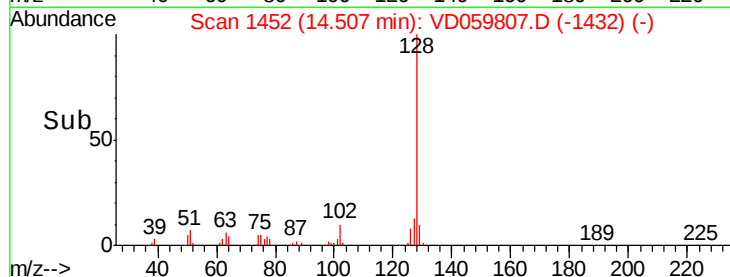
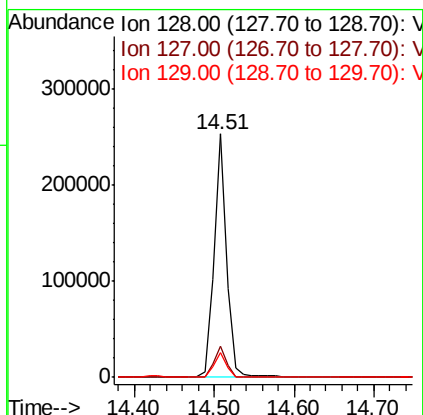
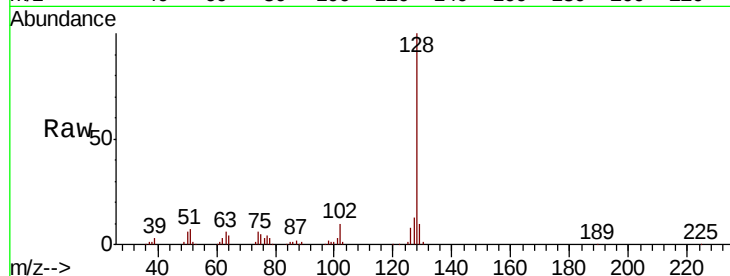




#95
Naphthalene
Concen: 49.977 ug/l
RT: 14.51 min Scan# 1452
Delta R.T. -0.00 min
Lab File: VD059807.D
Acq: 16 Aug 2018 12:15

Instrument :
MSVOA_D
ClientSampleId :
BFB

Tgt Ion:128 Resp: 282811
Ion Ratio Lower Upper
128 100
127 12.6 10.3 15.5
129 10.1 9.1 13.7



#96
1,2,3-Trichlorobenzene
Concen: 52.483 ug/l
RT: 14.65 min Scan# 1467
Delta R.T. -0.00 min
Lab File: VD059807.D
Acq: 16 Aug 2018 12:15

Tgt Ion:180 Resp: 171174
Ion Ratio Lower Upper
180 100
182 95.7 48.5 145.5
145 28.0 14.3 42.9

