

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF090718\
 Data File : VF060208.D
 Acq On : 7 Sep 2018 13:57
 Operator : VA/AP
 Sample : VF0907SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Sep 07 14:24:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 07 10:44:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	148544	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.77	114	214595	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	228992	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	145896	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	134359	51.78	ug/l	0.00
Spiked Amount			Recovery	=	103.56%	
35) Dibromofluoromethane	4.31	113	102580	48.79	ug/l	0.00
Spiked Amount			Recovery	=	97.58%	
50) Toluene-d8	7.72	98	260520	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
62) 4-Bromofluorobenzene	11.51	95	150318	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	69330	24.484	ug/l	95
3) Chloromethane	1.07	50	30094	20.155	ug/l	97
4) Vinyl Chloride	1.12	62	25598	22.245	ug/l	94
5) Bromomethane	1.32	94	20939	20.311	ug/l	89
6) Chloroethane	1.40	64	16475	22.352	ug/l	98
7) Trichlorofluoromethane	1.50	101	72302	22.529	ug/l	95
8) Diethyl Ether	1.70	74	8826	18.601	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.86	101	36576	23.306	ug/l	96
10) Methyl Iodide	1.93	142	29537	20.894	ug/l	98
11) Tert butyl alcohol	2.69	59	11553	89.306	ug/l #	93
12) 1,1-Dichloroethene	1.83	96	23468	21.982	ug/l	93
13) Acrolein	2.18	56	552	Below Cal		89
14) Allyl chloride	2.20	41	36375	22.716	ug/l	96
15) Acrylonitrile	3.08	53	18738	94.977	ug/l	94
16) Acetone	2.34	43	62122	93.377	ug/l #	93
17) Carbon Disulfide	1.84	76	69949	22.478	ug/l #	93
18) Methyl Acetate	2.45	43	18543	21.146	ug/l #	88
19) Methyl tert-butyl Ether	2.54	73	74358	21.051	ug/l	97
20) Methylene Chloride	2.29	84	30920	18.837	ug/l	95
21) trans-1,2-Dichloroethene	2.41	96	23989	21.959	ug/l	94
22) Diisopropyl ether	2.94	45	84578	21.076	ug/l	97
23) Vinyl Acetate	3.34	43	157475	107.351	ug/l	97
24) 1,1-Dichloroethane	3.01	63	57297	21.951	ug/l	99
25) 2-Butanone	4.51	43	79090	108.437	ug/l	95
26) 2,2-Dichloropropane	3.77	77	79913	23.190	ug/l	94
27) cis-1,2-Dichloroethene	3.65	96	31793	22.297	ug/l	94
28) Bromochloromethane	3.90	49	17961	20.205	ug/l	91
29) Tetrahydrofuran	4.27	42	25023	103.777	ug/l	99
30) Chloroform	4.05	83	82766	21.645	ug/l	99
31) Cyclohexane	3.86	56	37995	21.277	ug/l	87
32) 1,1,1-Trichloroethane	4.29	97	83126	21.821	ug/l	98
36) 1,1-Dichloropropene	4.47	75	53100	21.023	ug/l	94
37) Ethyl Acetate	4.31	43	23922	16.853	ug/l #	72
38) Carbon Tetrachloride	4.18	117	76211	21.947	ug/l	90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF090718\
 Data File : VF060208.D
 Acq On : 7 Sep 2018 13:57
 Operator : VA/AP
 Sample : VF0907SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Sep 07 14:24:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 07 10:44:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	45709	21.603	ug/l	94
40) Benzene	4.82	78	98622	21.916	ug/l	91
41) Methacrylonitrile	4.94	41	12943	19.700	ug/l #	89
42) 1,2-Dichloroethane	5.12	62	69125	21.255	ug/l	100
43) Isopropyl Acetate	7.12	43	28038	19.085	ug/l #	99
44) Trichloroethene	5.69	130	39760	21.814	ug/l	99
45) 1,2-Dichloropropane	6.42	63	27030	21.133	ug/l	91
46) Dibromomethane	6.26	93	22691	20.148	ug/l #	85
47) Bromodichloromethane	6.55	83	64224	21.010	ug/l	95
48) Methyl methacrylate	6.88	41	22571	19.341	ug/l	95
49) 1,4-Dioxane	6.88	88	1529	89.165	ug/l #	50
51) 4-Methyl-2-Pentanone	8.42	43	129209	98.989	ug/l	98
52) Toluene	7.79	92	75983	21.802	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	57511	22.391	ug/l	99
54) cis-1,3-Dichloropropene	7.47	75	57087	21.410	ug/l	90
55) 1,1,2-Trichloroethane	8.64	97	26050	20.323	ug/l	94
56) Ethyl methacrylate	8.77	69	27808	18.977	ug/l	91
57) 1,3-Dichloropropane	9.01	76	48650	21.347	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.79	63	15957	101.259	ug/l	100
59) 2-Hexanone	9.64	43	101119	102.889	ug/l	99
60) Dibromochloromethane	8.87	129	41259	19.434	ug/l	96
61) 1,2-Dibromoethane	9.15	107	30716	19.979	ug/l	93
64) Tetrachloroethene	8.31	164	51126	19.242	ug/l	96
65) Chlorobenzene	9.94	112	100691	21.244	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.07	131	41524	19.767	ug/l	94
67) Ethyl Benzene	10.04	91	185206	20.945	ug/l	99
68) m/p-Xylenes	10.28	106	134387	45.295	ug/l	95
69) o-Xylene	10.83	106	66555	21.030	ug/l	100
70) Styrene	10.91	104	103040	21.480	ug/l	99
71) Bromoform	10.89	173	21285	17.550	ug/l #	97
73) Isopropylbenzene	11.24	105	219136	21.775	ug/l	100
74) N-amyl acetate	11.47	43	33844	20.065	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.79	83	31879	21.065	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	32065	19.995	ug/l	93
77) Bromobenzene	11.60	156	54051	20.509	ug/l	95
78) n-propylbenzene	11.69	91	264857	21.963	ug/l	95
79) 2-Chlorotoluene	11.82	91	159573	21.903	ug/l	100
80) 1,3,5-Trimethylbenzene	11.92	105	192361	21.653	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.97	75	5668	16.905	ug/l	90
82) 4-Chlorotoluene	11.99	91	177137	21.909	ug/l	94
83) tert-Butylbenzene	12.22	119	182159	22.502	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	200426	22.208	ug/l	100
85) sec-Butylbenzene	12.39	105	251220	22.496	ug/l	100
86) p-Isopropyltoluene	12.54	119	229605	23.154	ug/l	96
87) 1,3-Dichlorobenzene	12.56	146	107932	22.412	ug/l	95
88) 1,4-Dichlorobenzene	12.65	146	104833	21.996	ug/l	95
89) n-Butylbenzene	12.92	91	220658	23.007	ug/l	97
90) Hexachloroethane	13.00	117	42205	20.995	ug/l	100
91) 1,2-Dichlorobenzene	13.02	146	98299	21.499	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.72	75	7075	18.321	ug/l	92

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF090718\
Data File : VF060208.D
Acq On : 7 Sep 2018 13:57
Operator : VA/AP
Sample : VF0907SBS01
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Sep 07 14:24:49 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 07 10:44:05 2018
Response via : Initial Calibration

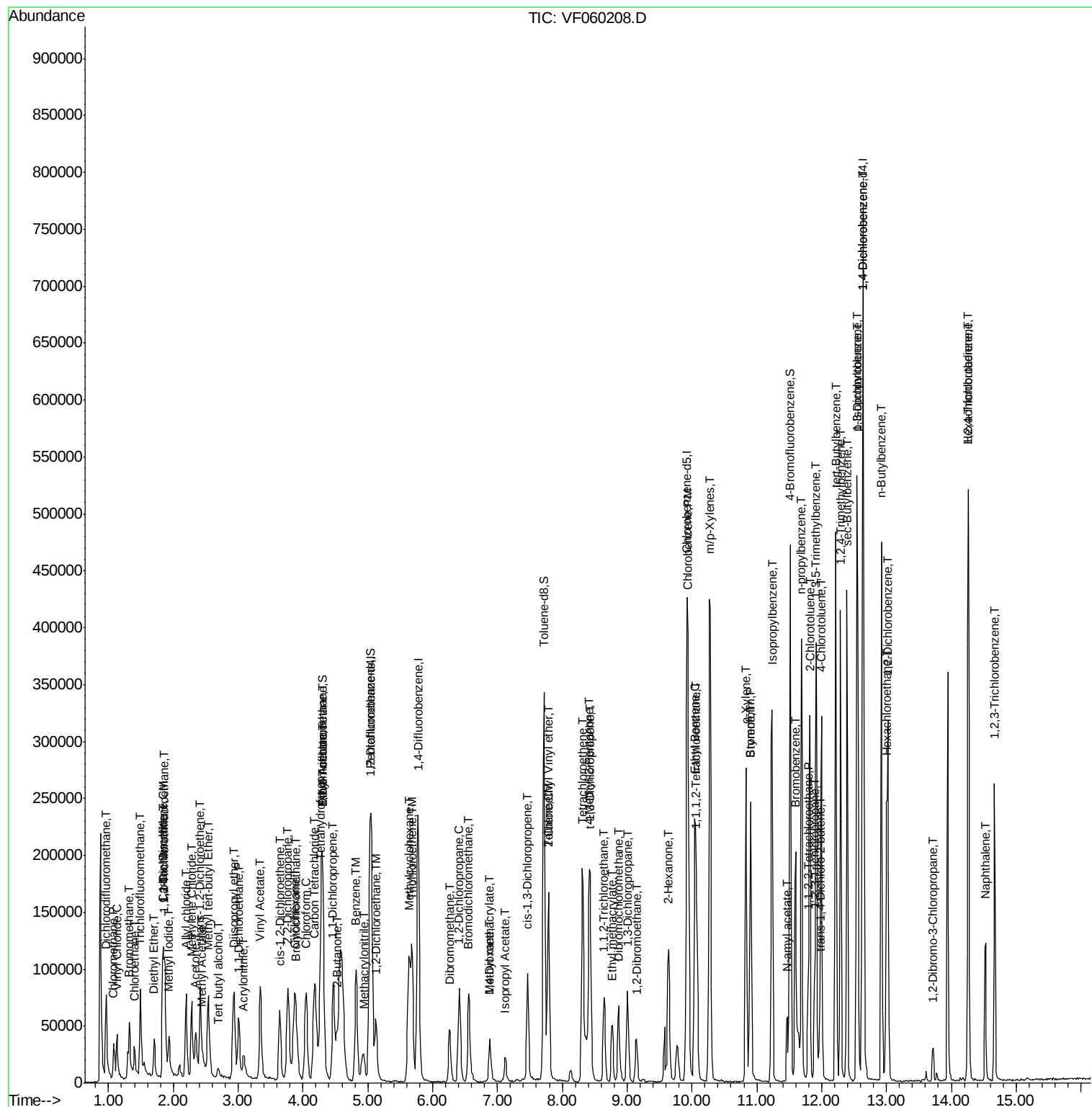
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	75358	21.325	ug/l	97
94) Hexachlorobutadiene	14.26	225	53644	21.300	ug/l	99
95) Naphthalene	14.53	128	91466	18.324	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	67575	20.374	ug/l	91

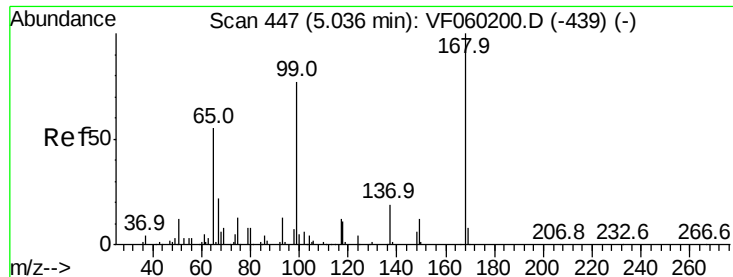
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF090718\
 Data File : VF060208.D
 Acq On : 7 Sep 2018 13:57
 Operator : VA/AP
 Sample : VF0907SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Sep 07 14:24:49 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 07 10:44:05 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 449

Delta R.T. 0.02 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

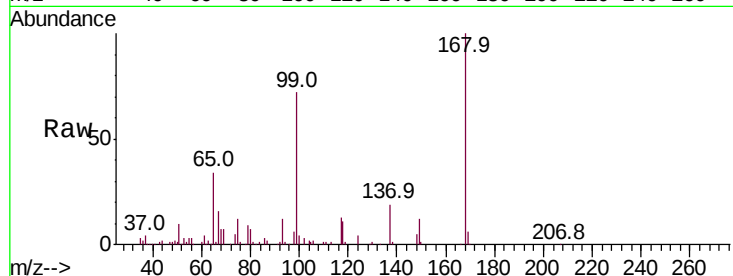
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 148544

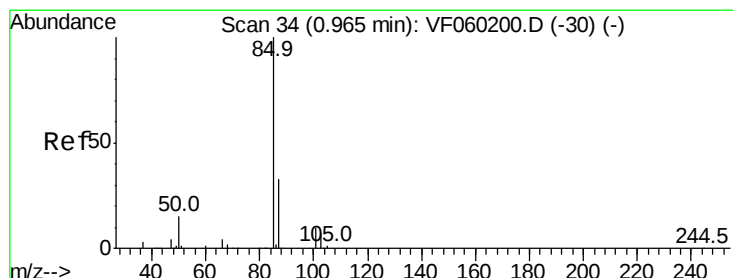
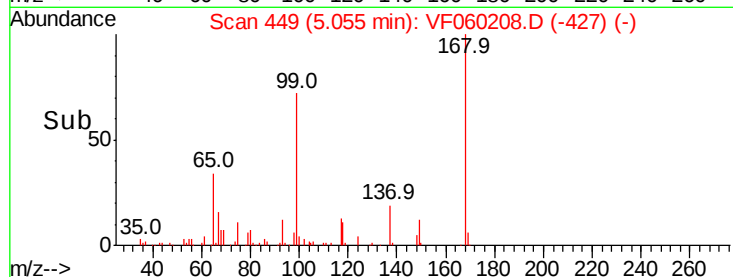
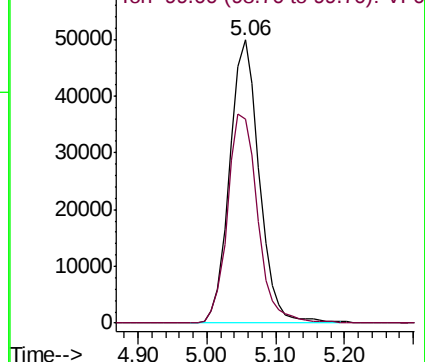
Ion Ratio Lower Upper

168 100

99 72.2 61.8 92.6



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 24.484 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.00 min

Lab File: VF060208.D

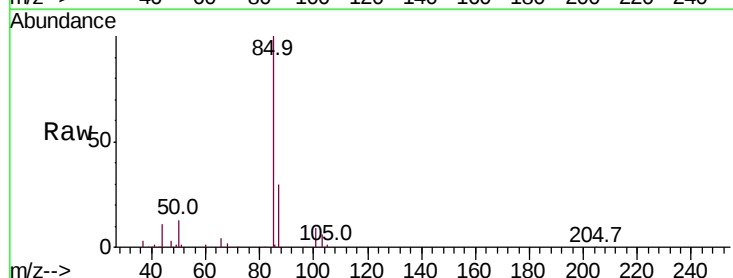
Acq: 7 Sep 2018 13:57

Tgt Ion: 85 Resp: 69330

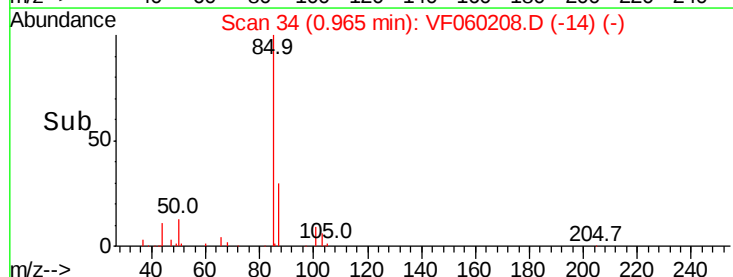
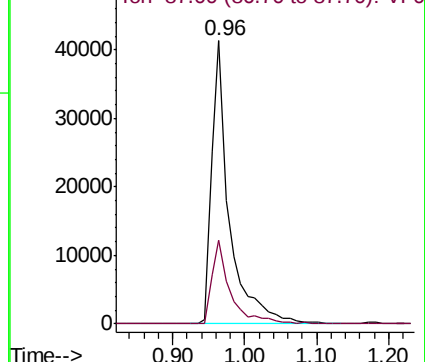
Ion Ratio Lower Upper

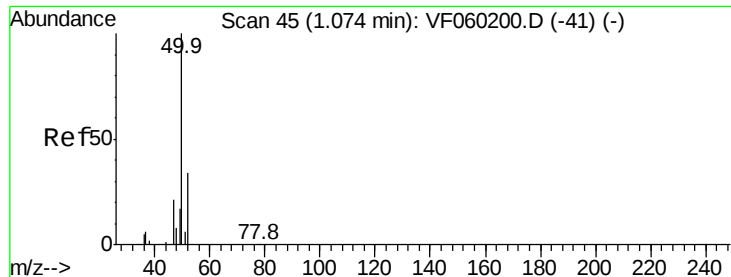
85 100

87 29.6 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 20.155 ug/l

RT: 1.07 min Scan# 45

Delta R.T. -0.00 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

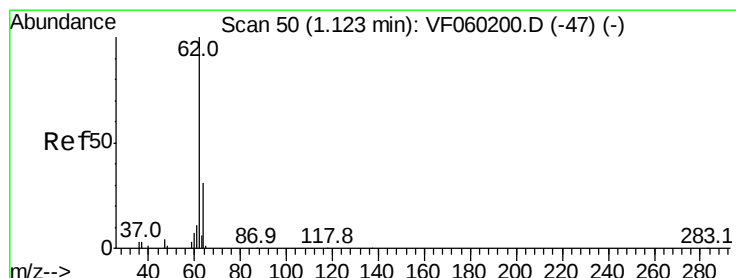
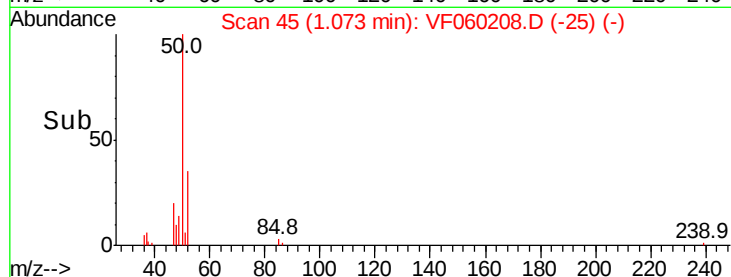
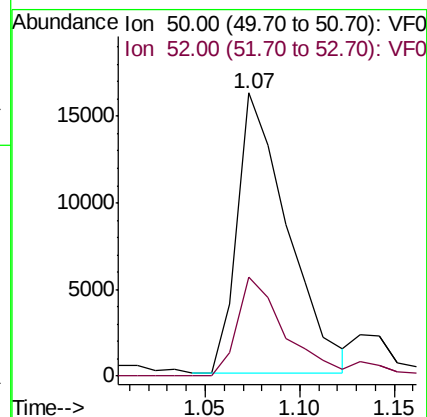
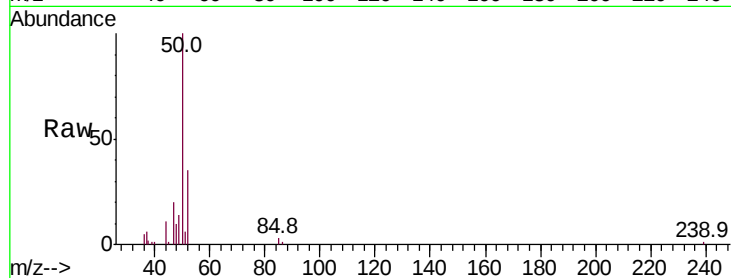
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 30094

Ion Ratio Lower Upper

50 100

52 35.1 26.9 40.3



#4

Vinyl Chloride

Concen: 22.245 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.00 min

Lab File: VF060208.D

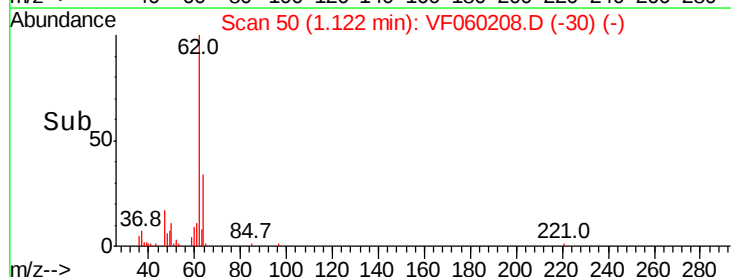
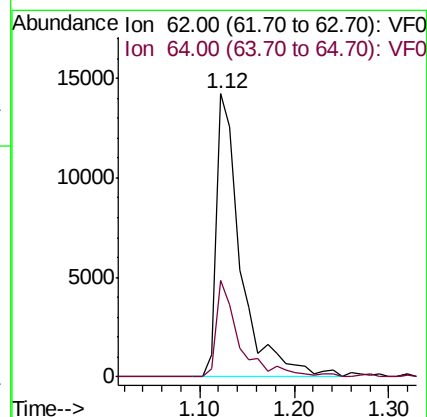
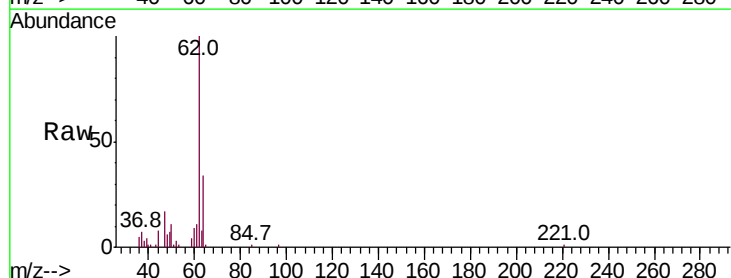
Acq: 7 Sep 2018 13:57

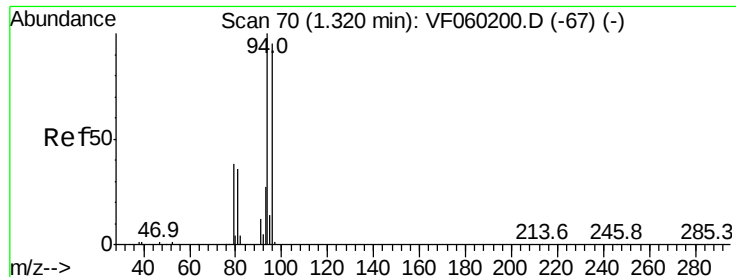
Tgt Ion: 62 Resp: 25598

Ion Ratio Lower Upper

62 100

64 34.3 24.8 37.2





#5

Bromomethane

Concen: 20.311 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

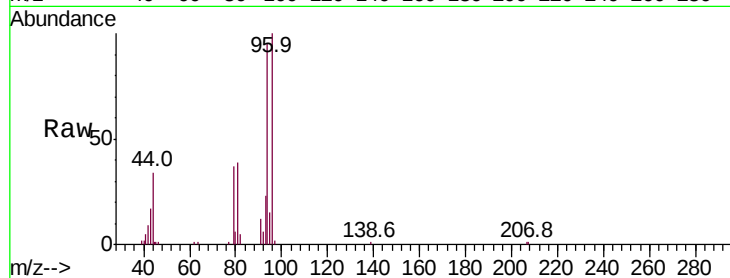
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 94 Resp: 20939

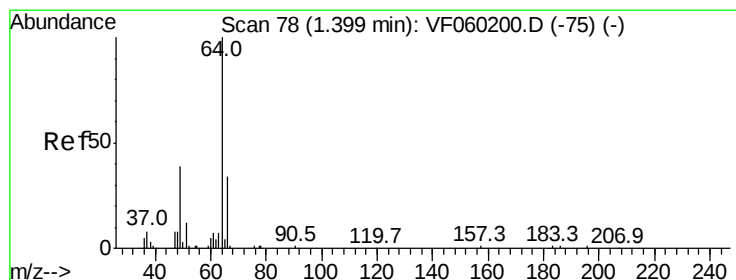
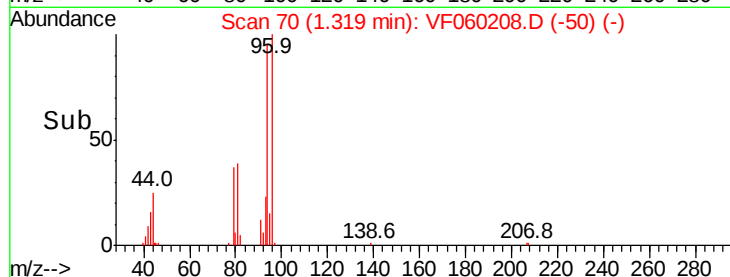
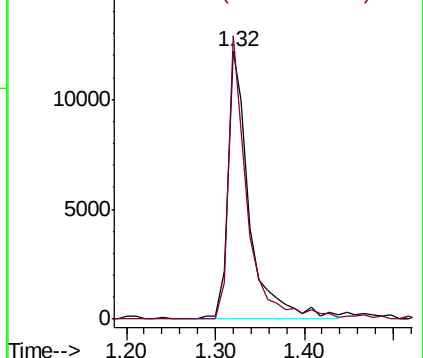
Ion Ratio Lower Upper

94 100

96 105.7 75.8 113.6



Abundance Ion 94.00 (93.70 to 94.70): VF0
Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 22.352 ug/l

RT: 1.40 min Scan# 78

Delta R.T. -0.00 min

Lab File: VF060208.D

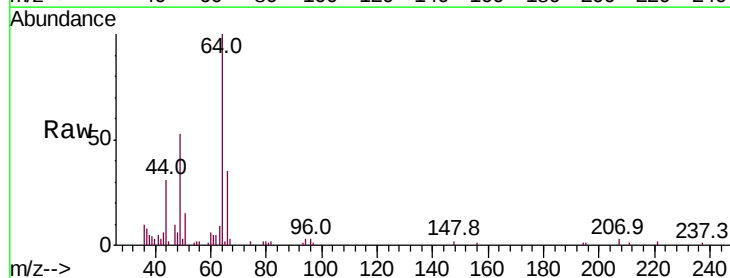
Acq: 7 Sep 2018 13:57

Tgt Ion: 64 Resp: 16475

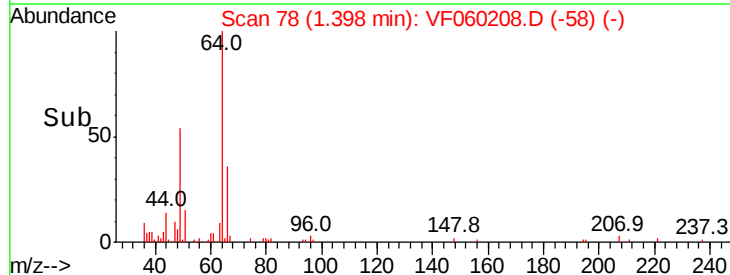
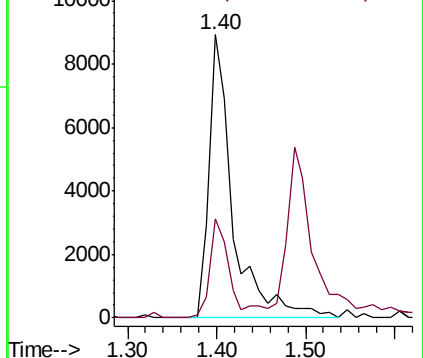
Ion Ratio Lower Upper

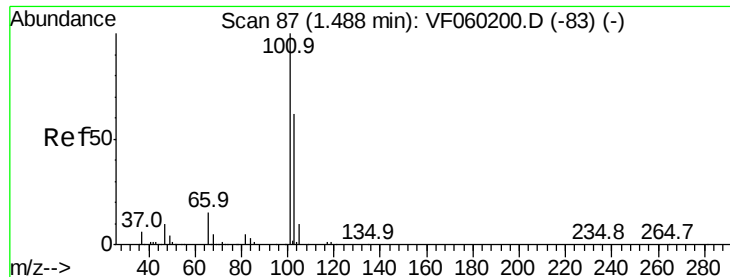
64 100

66 34.9 27.1 40.7



Abundance Ion 64.00 (63.70 to 64.70): VF0
Ion 66.00 (65.70 to 66.70): VF0



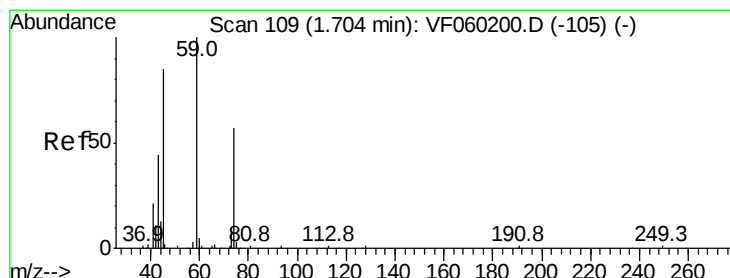
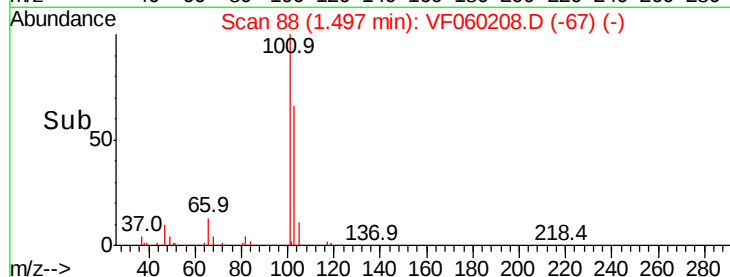
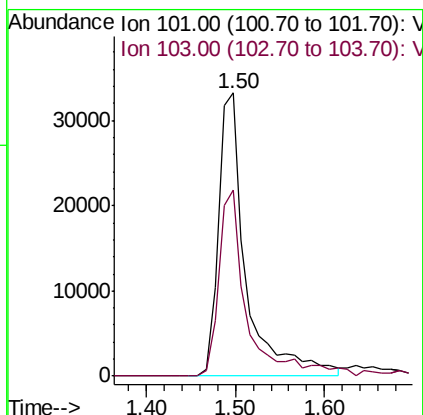
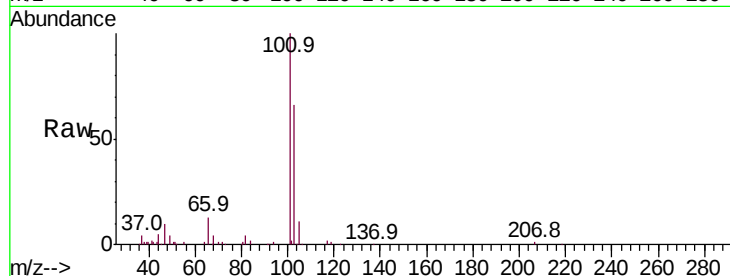


#7

Trichlorofluoromethane
 Concen: 22.529 ug/l
 RT: 1.50 min Scan# 88
 Delta R.T. 0.01 min
 Lab File: VF060208.D
 Acq: 7 Sep 2018 13:57

Instrument :
 MSVOA_F
 ClientSampleId :

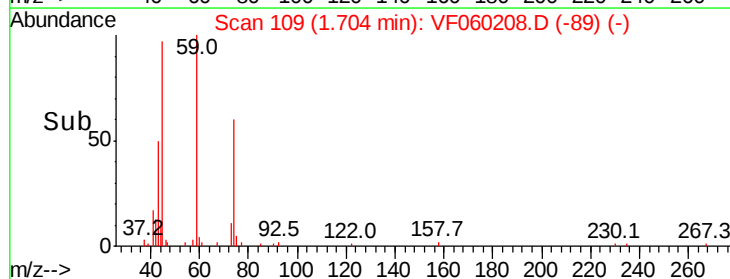
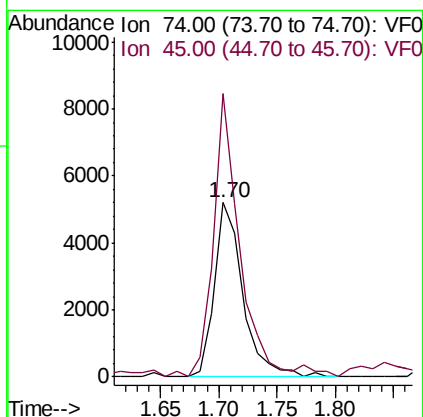
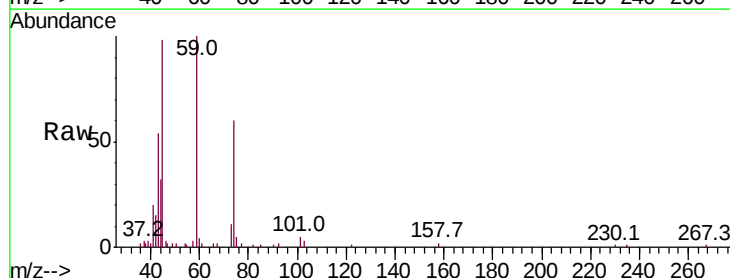
Tot Ion:101 Resp: 72302
 Ion Ratio Lower Upper
 101 100
 103 65.5 49.5 74.3

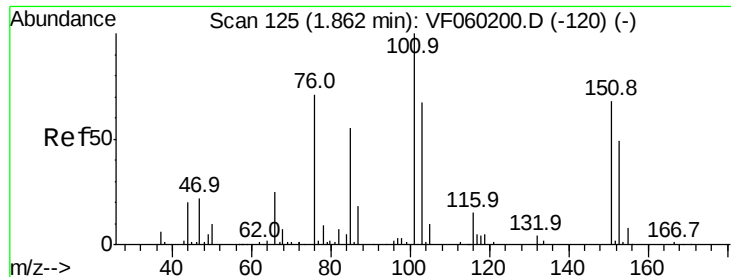


#8

Diethyl Ether
 Concen: 18.601 ug/l
 RT: 1.70 min Scan# 109
 Delta R.T. -0.00 min
 Lab File: VF060208.D
 Acq: 7 Sep 2018 13:57

Tgt Ion: 74 Resp: 8826
 Ion Ratio Lower Upper
 74 100
 45 162.5 75.3 225.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.306 ug/l

RT: 1.86 min Scan# 125

Delta R.T. -0.00 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

Instrument :

MSVOA_F

ClientSampled :

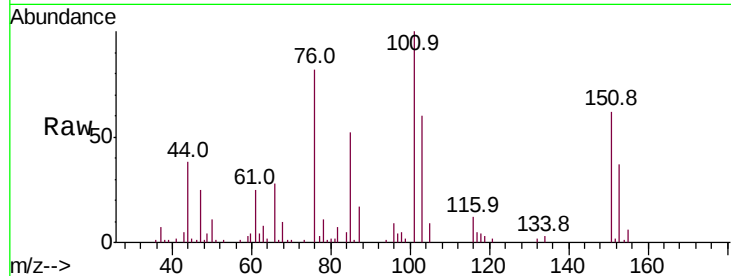
Tot Ion:101 Resp: 36576

Ion Ratio Lower Upper

101 100

85 52.3 43.0 64.4

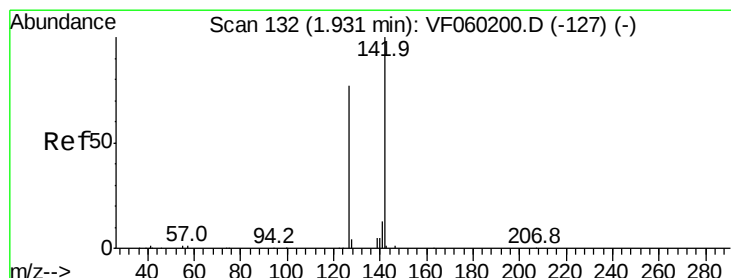
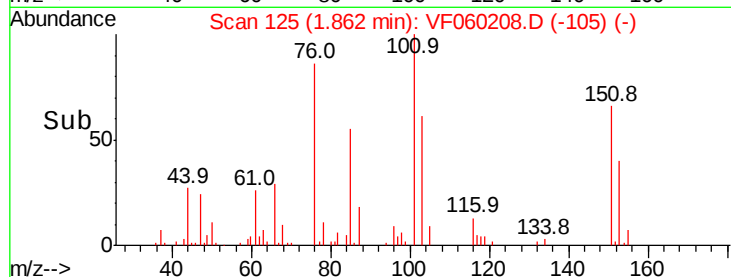
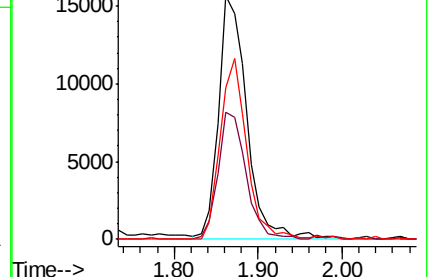
151 62.0 53.6 80.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 20.894 ug/l

RT: 1.93 min Scan# 132

Delta R.T. -0.00 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

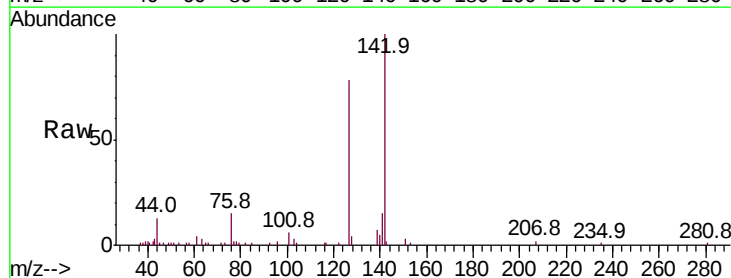
Tgt Ion:142 Resp: 29537

Ion Ratio Lower Upper

142 100

127 77.6 61.1 91.7

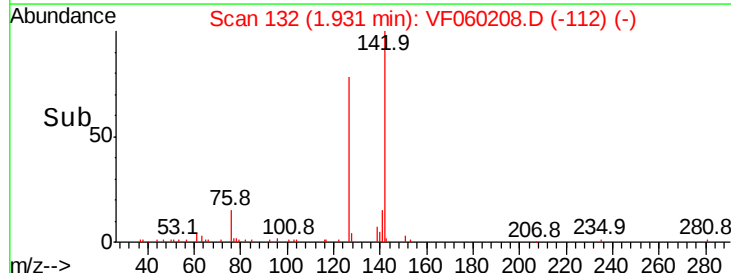
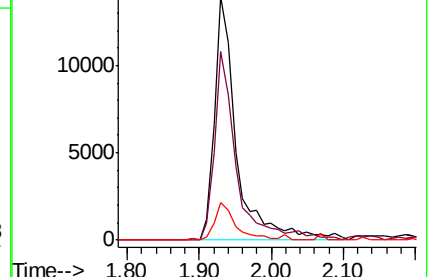
141 15.3 10.6 15.8

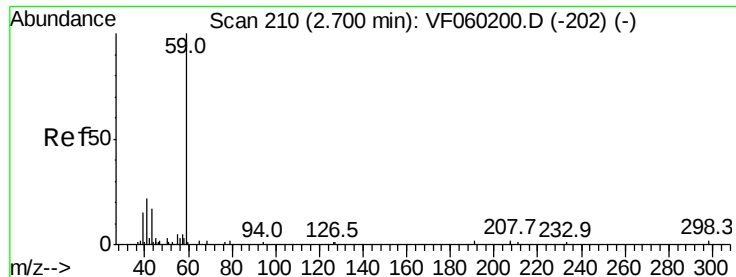


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

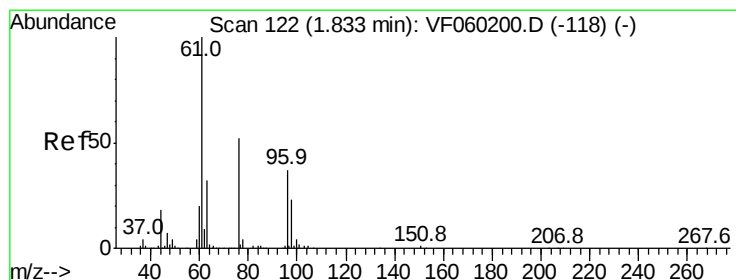
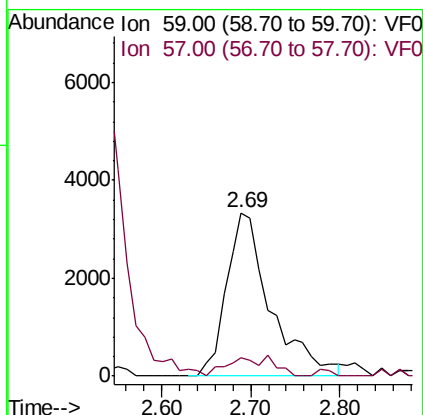
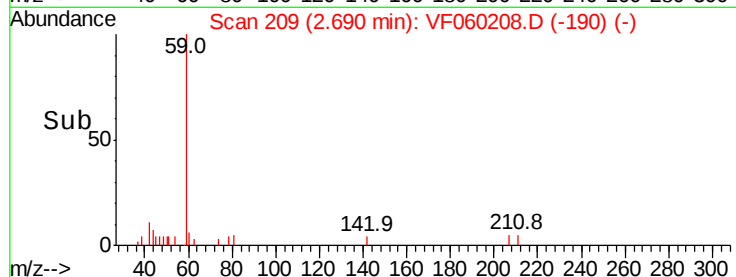
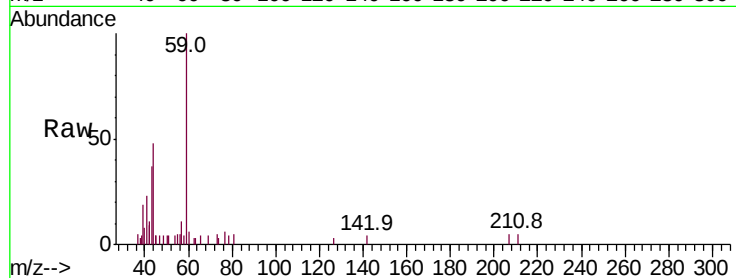




#11
Tert butyl alcohol
Concen: 89.306 ug/l
RT: 2.69 min Scan# 209
Delta R.T. -0.01 min
Lab File: VF060208.D
Acq: 7 Sep 2018 13:57

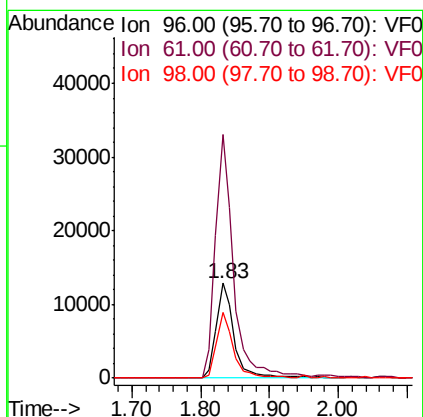
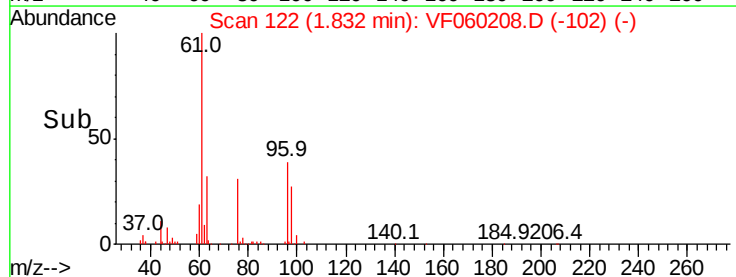
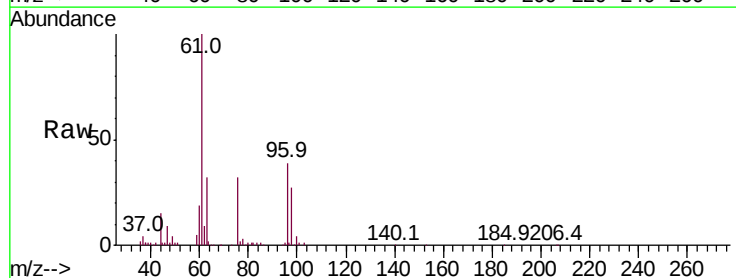
Instrument :
MSVOA_F
ClientSampled :

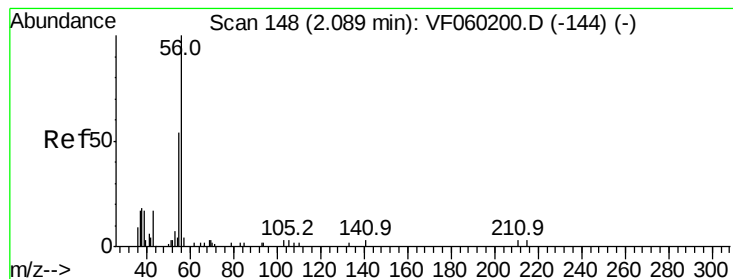
Tot Ion: 59 Resp: 11553
Ion Ratio Lower Upper
59 100
57 11.4 7.2 10.8#



#12
1,1-Dichloroethene
Concen: 21.982 ug/l
RT: 1.83 min Scan# 122
Delta R.T. -0.00 min
Lab File: VF060208.D
Acq: 7 Sep 2018 13:57

Tgt Ion: 96 Resp: 23468
Ion Ratio Lower Upper
96 100
61 256.9 214.6 321.8
98 70.0 50.7 76.1





#13

Acrolein

Concen: Below Cal

RT: 2.18 min Scan# 157

Delta R.T. 0.09 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

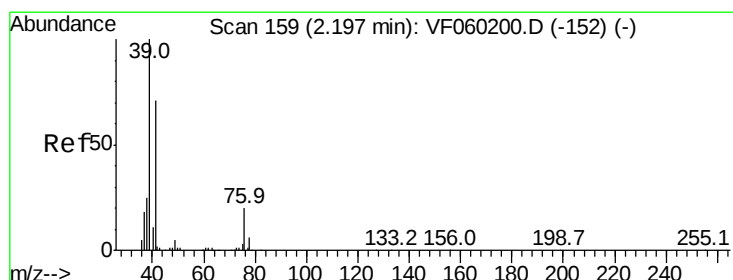
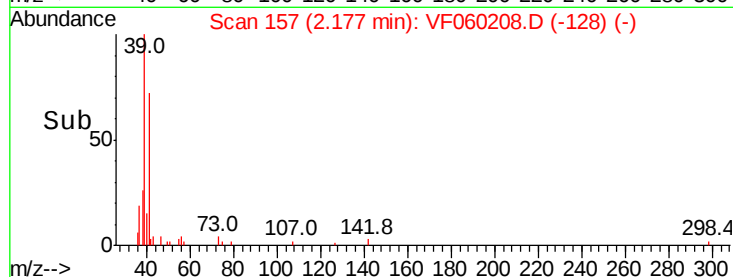
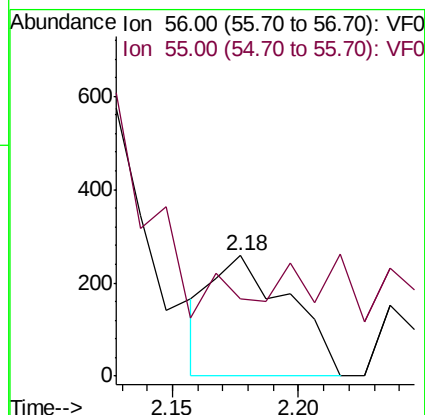
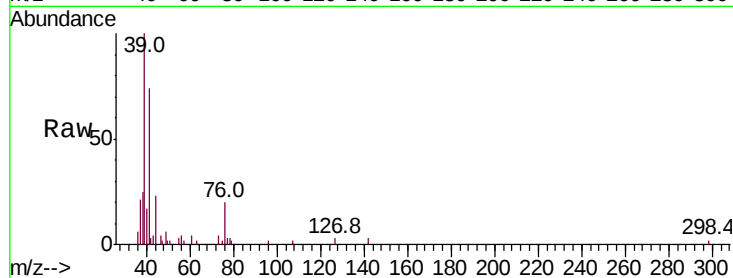
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 552

Ion Ratio Lower Upper

56 100

55 64.5 45.1 67.7



#14

Allyl chloride

Concen: 22.716 ug/l

RT: 2.20 min Scan# 159

Delta R.T. -0.00 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

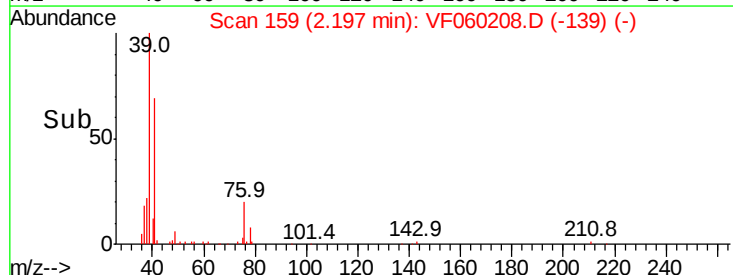
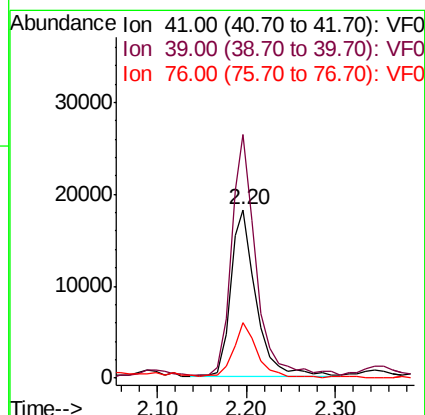
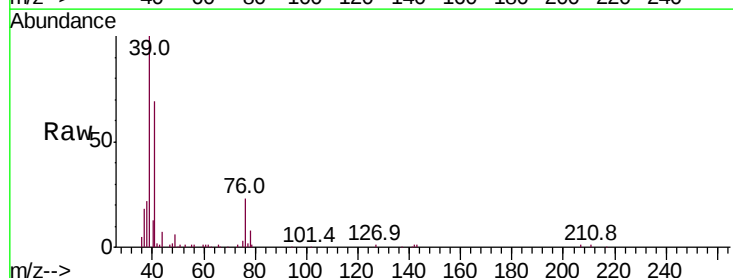
Tgt Ion: 41 Resp: 36375

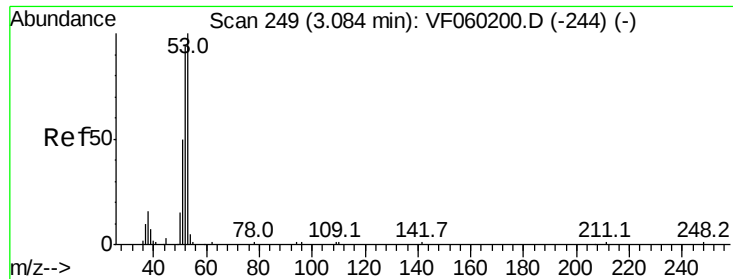
Ion Ratio Lower Upper

41 100

39 144.3 112.2 168.2

76 33.2 23.2 34.8





#15

Acrylonitrile

Concen: 94.977 ug/l

RT: 3.08 min Scan# 249

Delta R.T. -0.00 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

Instrument :
MSVOA_F
ClientSampleId :

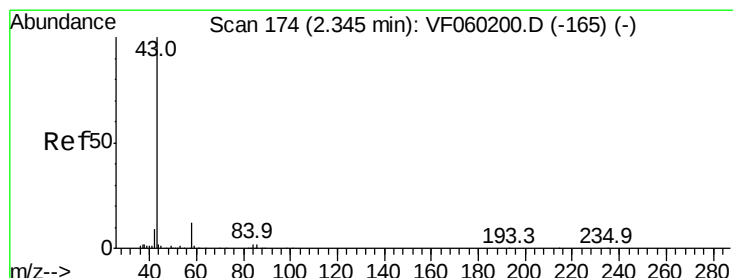
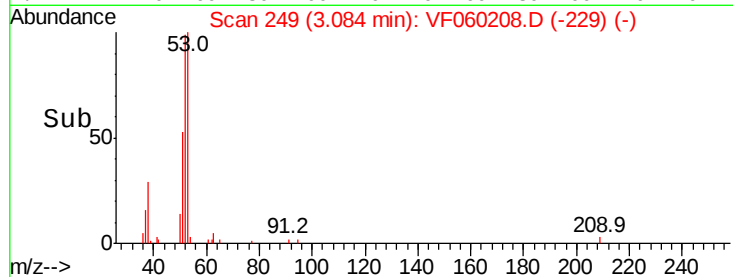
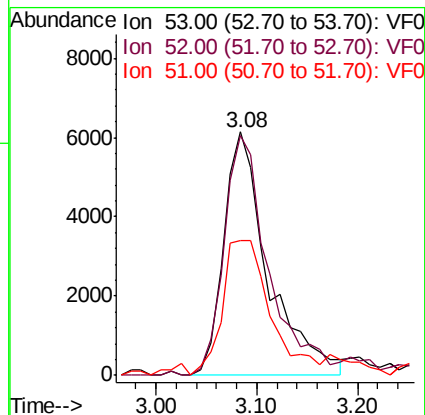
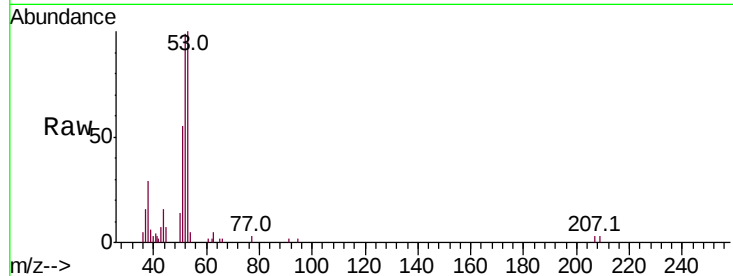
Tot Ion: 53 Resp: 18738

Ion Ratio Lower Upper

53 100

52 98.5 75.0 112.6

51 55.2 39.9 59.9



#16

Acetone

Concen: 93.377 ug/l

RT: 2.34 min Scan# 174

Delta R.T. -0.00 min

Lab File: VF060208.D

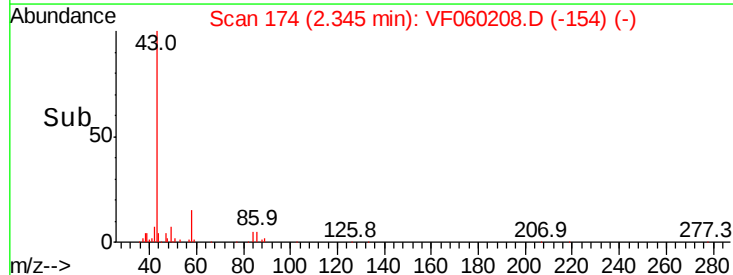
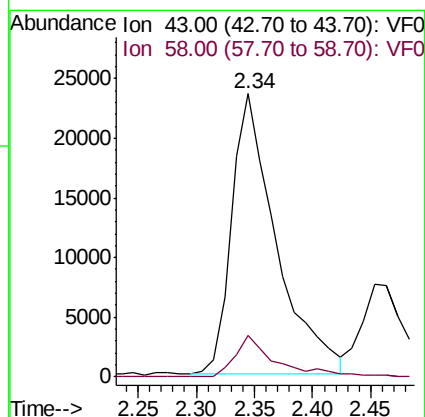
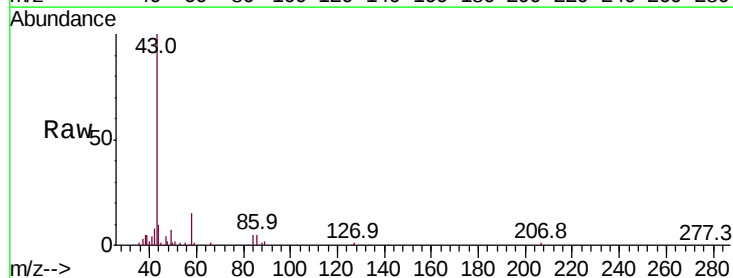
Acq: 7 Sep 2018 13:57

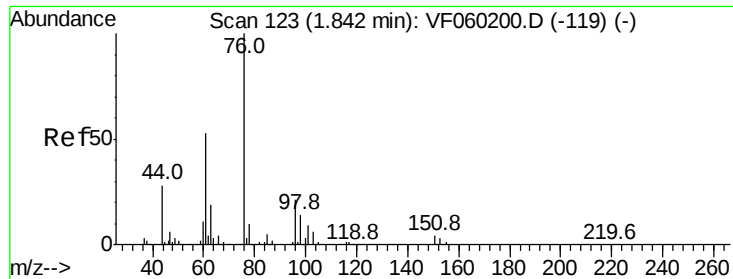
Tgt Ion: 43 Resp: 62122

Ion Ratio Lower Upper

43 100

58 14.8 9.7 14.5#

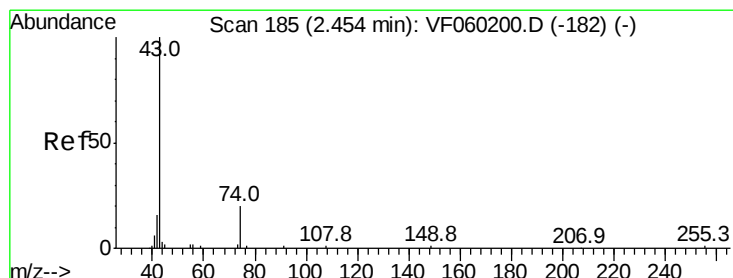
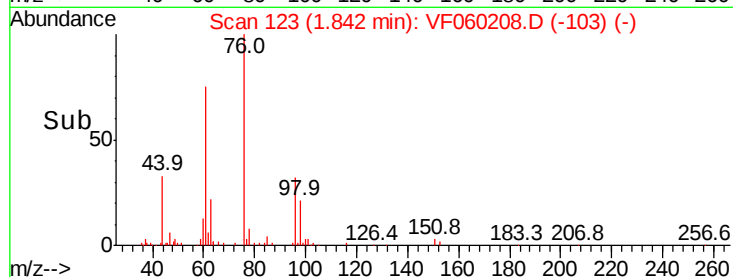
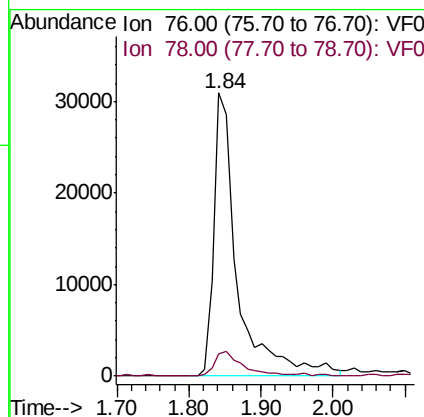
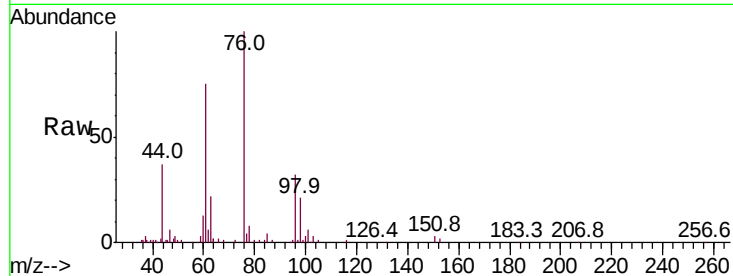




#17
Carbon Disulfide
Concen: 22.478 ug/l
RT: 1.84 min Scan# 123
Delta R.T. -0.00 min
Lab File: VF060208.D
Acq: 7 Sep 2018 13:57

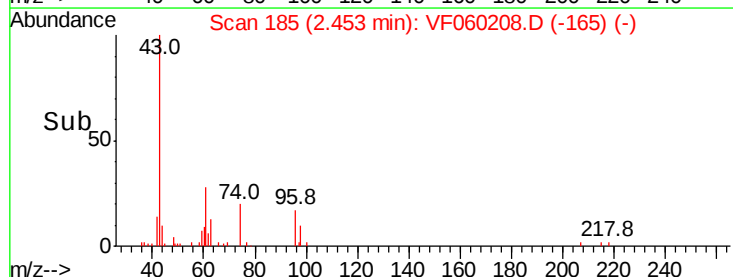
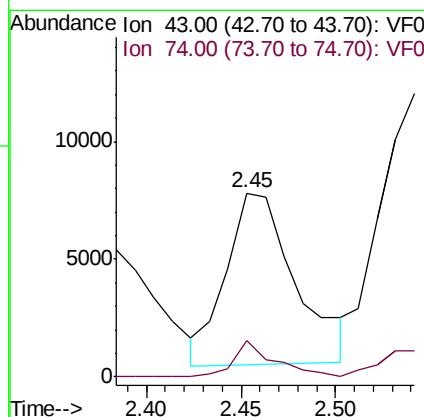
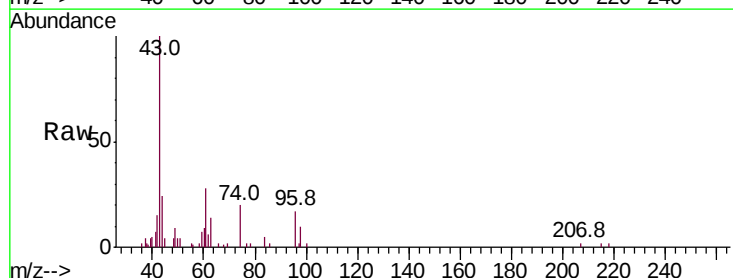
Instrument :
MSVOA_F
ClientSampleId :

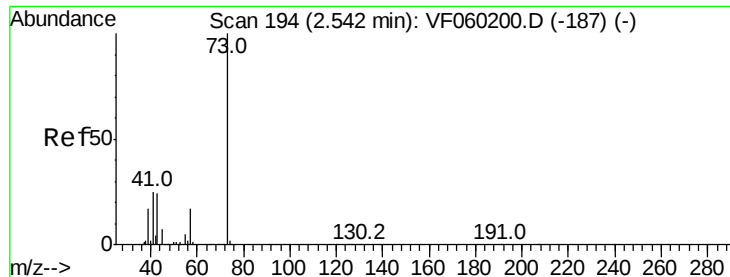
Tot Ion: 76 Resp: 69949
Ion Ratio Lower Upper
76 100
78 8.1 8.5 12.7#



#18
Methyl Acetate
Concen: 21.146 ug/l
RT: 2.45 min Scan# 185
Delta R.T. -0.00 min
Lab File: VF060208.D
Acq: 7 Sep 2018 13:57

Tgt Ion: 43 Resp: 18543
Ion Ratio Lower Upper
43 100
74 19.7 11.9 17.9#



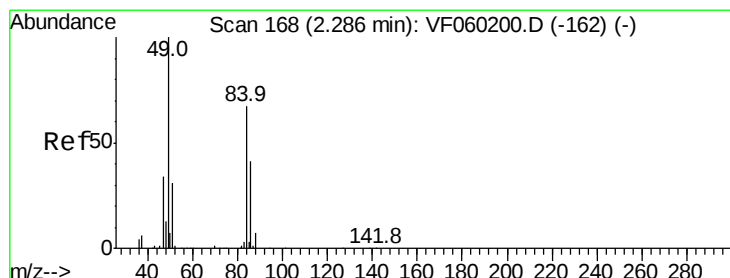
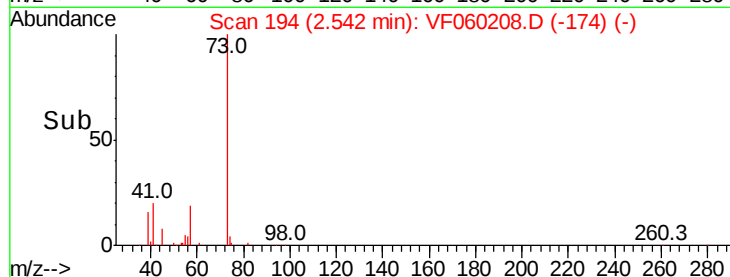
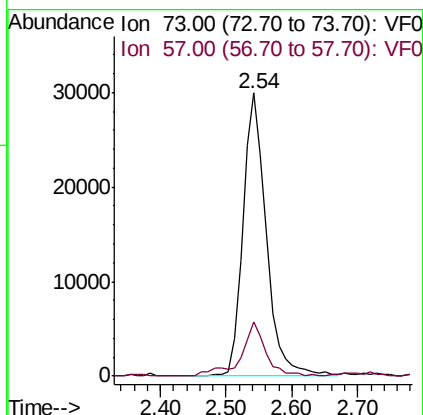
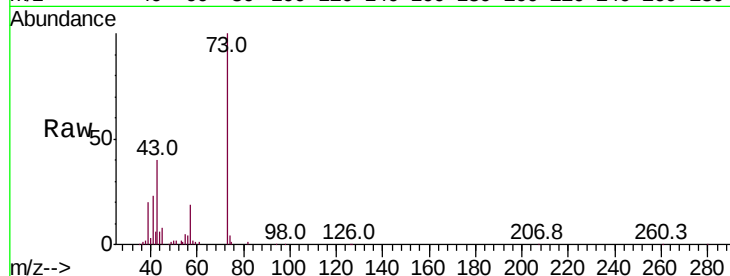


#19

Methyl tert-butyl Ether
 Concen: 21.051 ug/l
 RT: 2.54 min Scan# 194
 Delta R.T. -0.00 min
 Lab File: VF060208.D
 Acq: 7 Sep 2018 13:57

Instrument :
 MSVOA_F
 ClientSampleId :

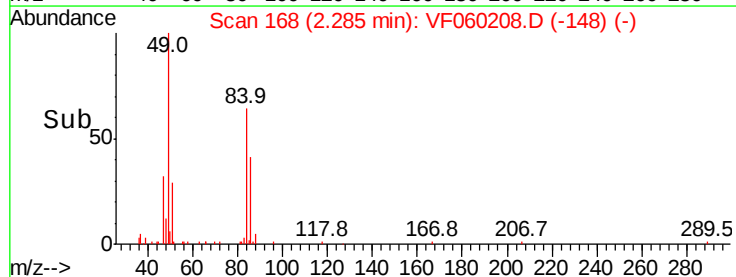
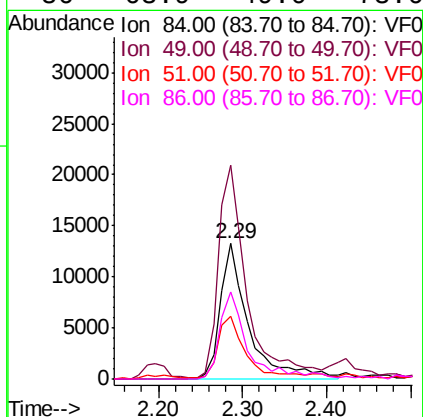
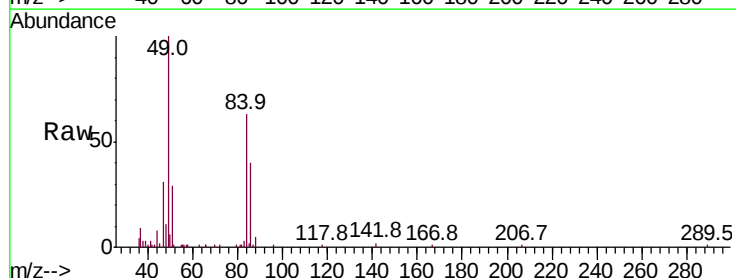
Tot Ion: 73 Resp: 74358
 Ion Ratio Lower Upper
 73 100
 57 19.3 14.3 21.5

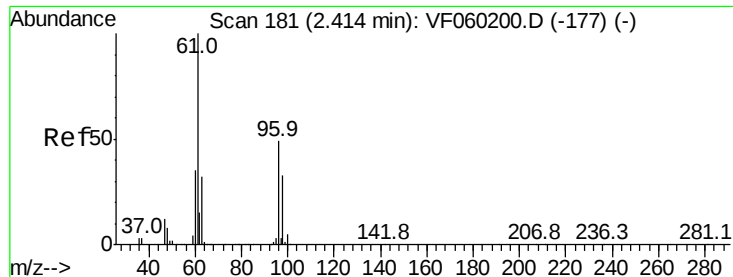


#20

Methylene Chloride
 Concen: 18.837 ug/l
 RT: 2.29 min Scan# 168
 Delta R.T. -0.00 min
 Lab File: VF060208.D
 Acq: 7 Sep 2018 13:57

Tgt Ion: 84 Resp: 30920
 Ion Ratio Lower Upper
 84 100
 49 157.9 120.1 180.1
 51 47.5 37.0 55.6
 86 63.9 49.0 73.6





#21

trans-1,2-Dichloroethene

Concen: 21.959 ug/l

RT: 2.41 min Scan# 181

Delta R.T. -0.00 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

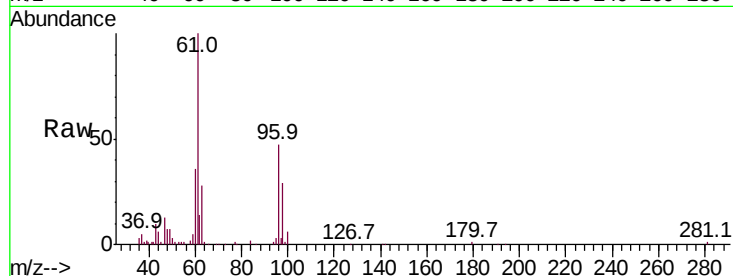
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 96 Resp: 23989

Ion	Ratio	Lower	Upper
96	100		
61	213.0	163.1	244.7
98	62.1	54.1	81.1



Abundance

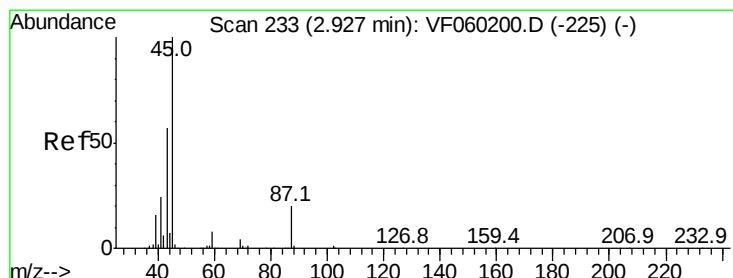
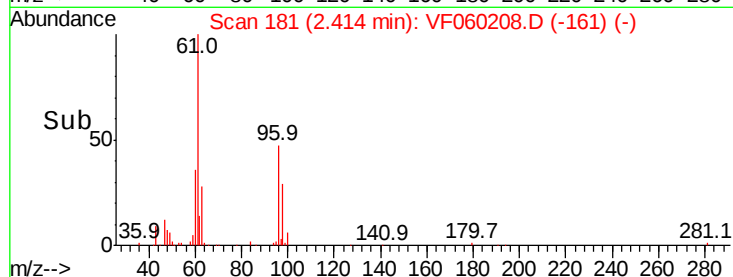
Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

2.41

Time-->



#22

Diisopropyl ether

Concen: 21.076 ug/l

RT: 2.94 min Scan# 234

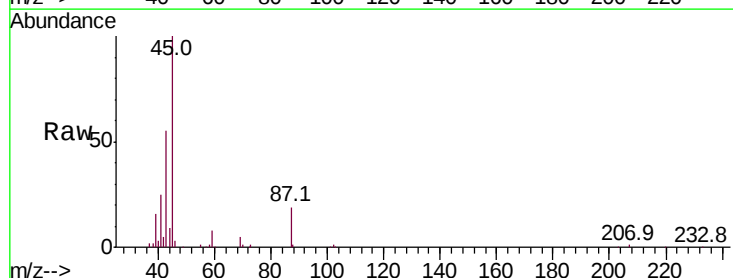
Delta R.T. 0.01 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

Tgt Ion: 45 Resp: 84578

Ion	Ratio	Lower	Upper
45	100		
43	55.0	46.2	69.4
87	18.5	16.1	24.1
59	7.8	6.5	9.7



Abundance

Ion 45.00 (44.70 to 45.70): VF0

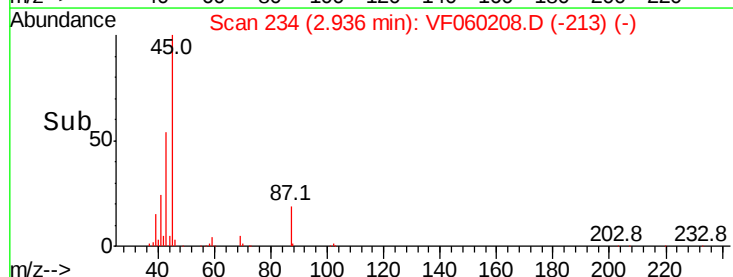
Ion 43.00 (42.70 to 43.70): VF0

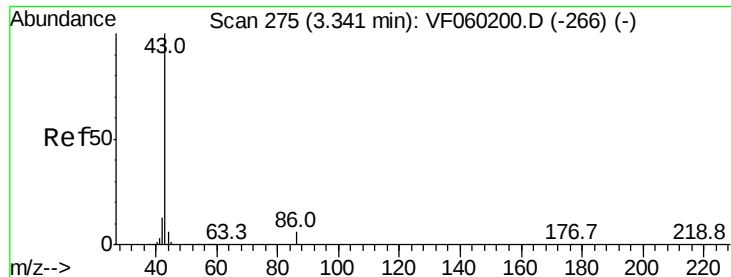
Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0

2.94

Time-->

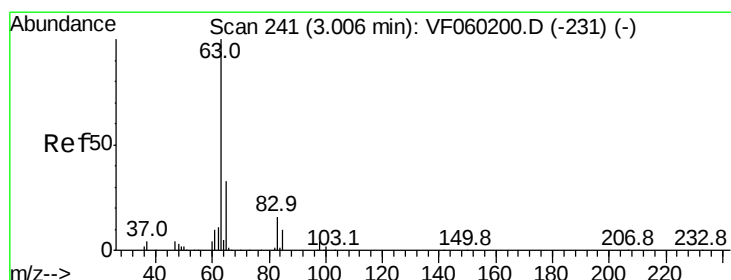
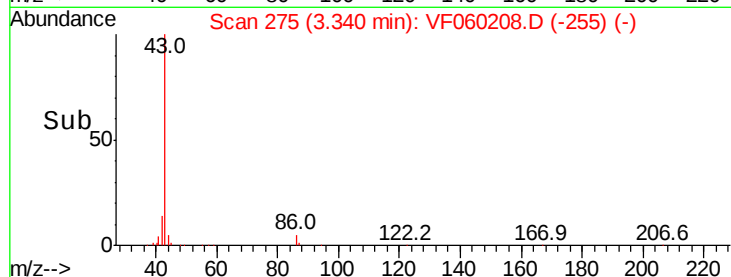
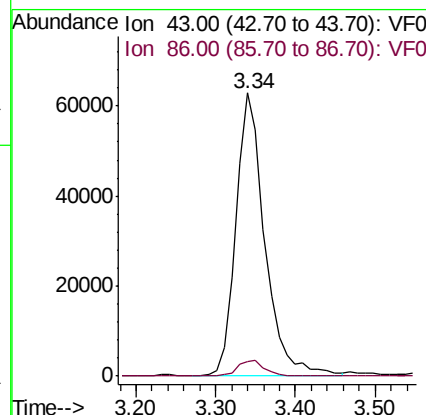
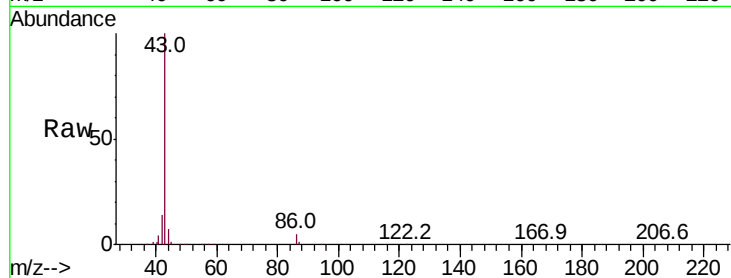




#23
 Vinyl Acetate
 Concen: 107.351 ug/l
 RT: 3.34 min Scan# 275
 Delta R.T. 0.00 min
 Lab File: VF060208.D
 Acq: 7 Sep 2018 13:57

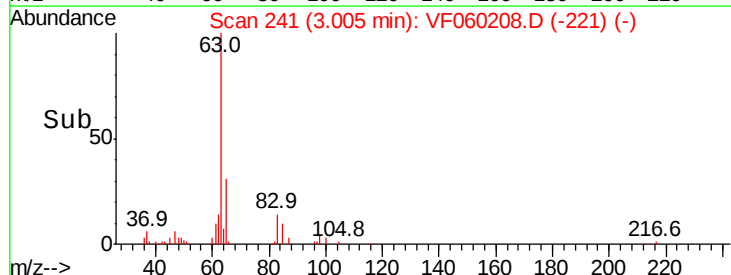
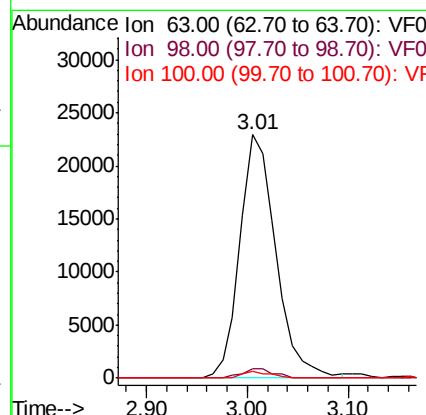
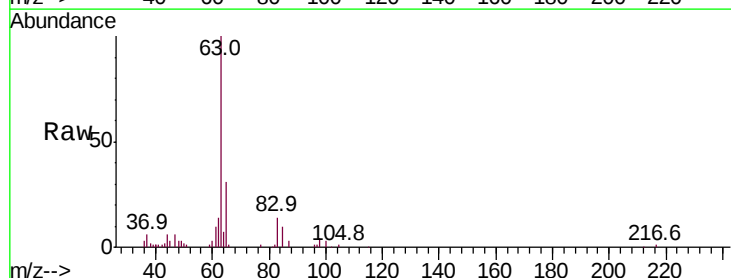
Instrument :
 MSVOA_F
 ClientSampleId :

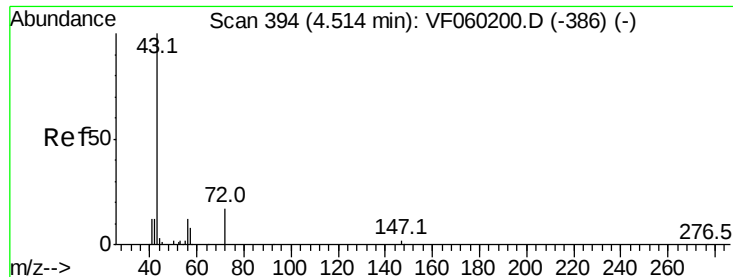
Tot Ion: 43 Resp: 157475
 Ion Ratio Lower Upper
 43 100
 86 5.1 4.8 7.2



#24
 1,1-Dichloroethane
 Concen: 21.951 ug/l
 RT: 3.01 min Scan# 241
 Delta R.T. -0.00 min
 Lab File: VF060208.D
 Acq: 7 Sep 2018 13:57

Tgt Ion: 63 Resp: 57297
 Ion Ratio Lower Upper
 63 100
 98 4.1 1.9 5.7
 100 2.7 1.1 3.1





#25

2-Butanone

Concen: 108.437 ug/l

RT: 4.51 min Scan# 394

Delta R.T. -0.00 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

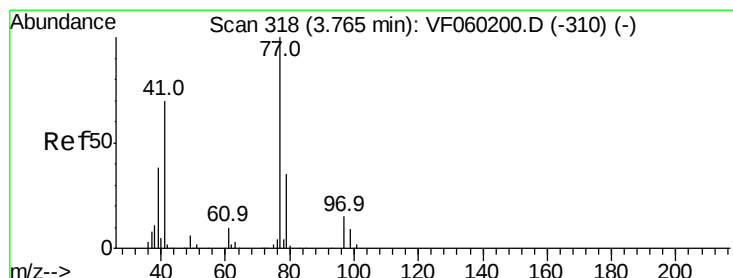
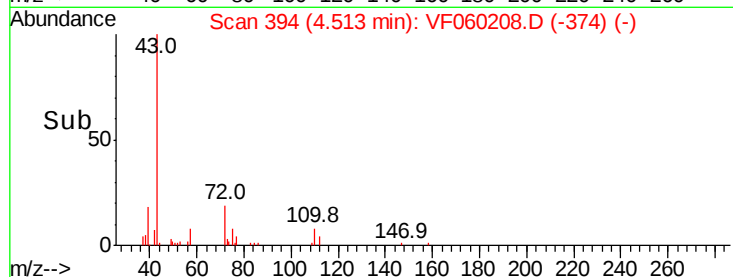
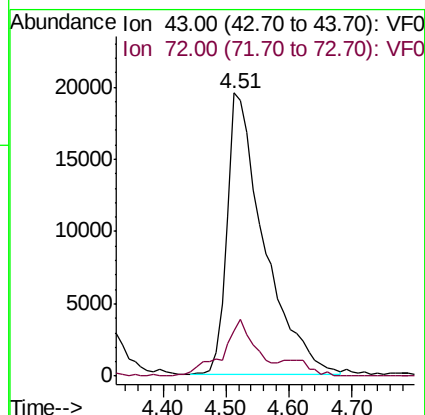
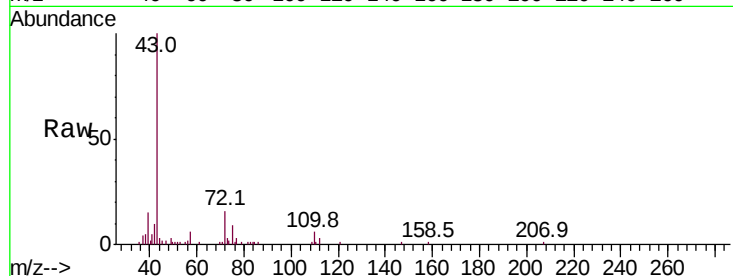
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 79090

Ion Ratio Lower Upper

43 100

72 16.1 14.8 22.2



#26

2,2-Dichloropropane

Concen: 23.190 ug/l

RT: 3.77 min Scan# 319

Delta R.T. 0.01 min

Lab File: VF060208.D

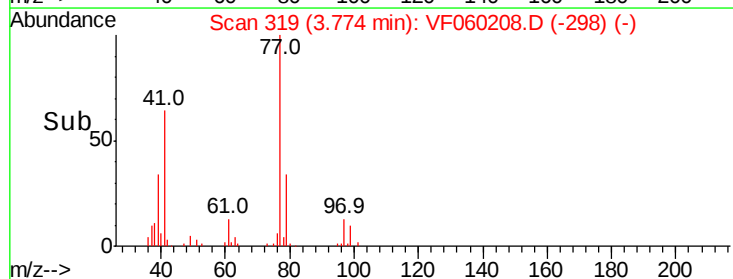
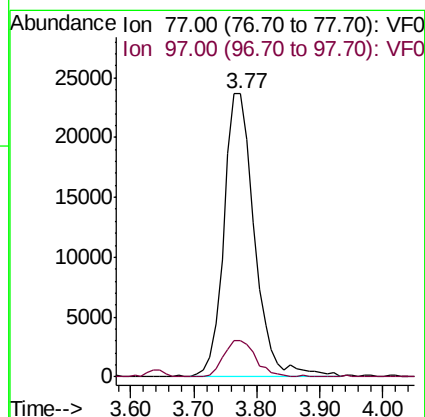
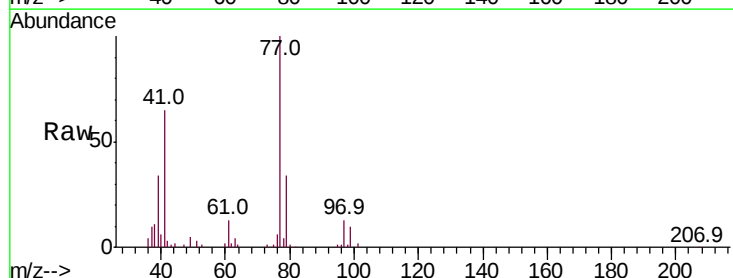
Acq: 7 Sep 2018 13:57

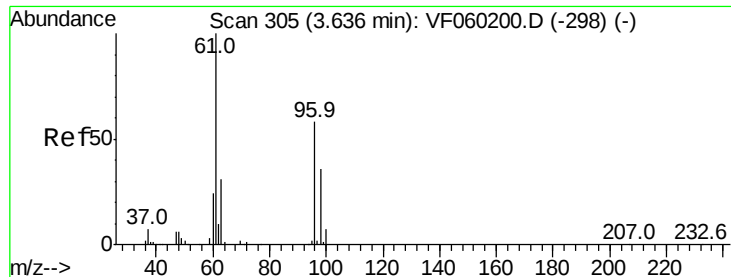
Tgt Ion: 77 Resp: 79913

Ion Ratio Lower Upper

77 100

97 12.7 7.5 22.5



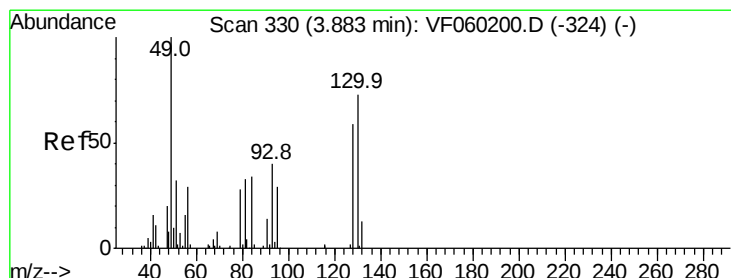
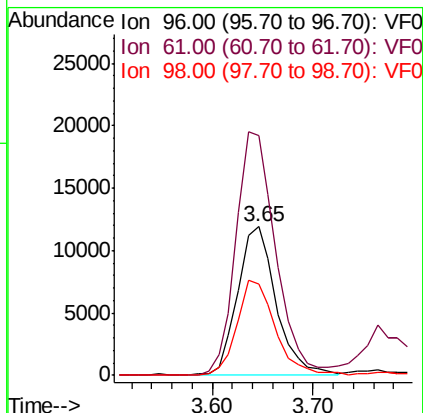
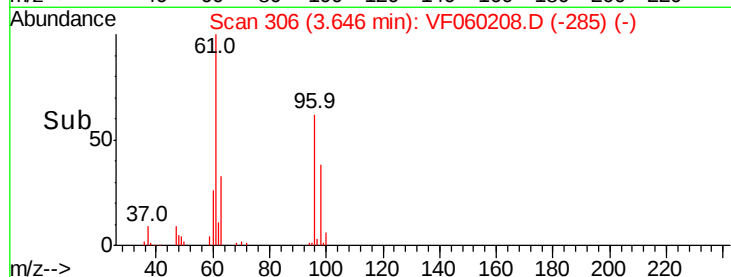
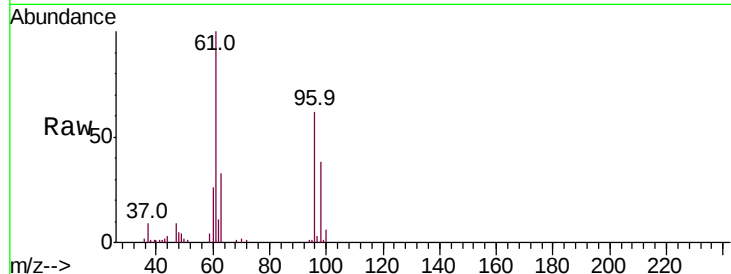


#27

cis-1,2-Dichloroethene
Concen: 22.297 ug/l
RT: 3.65 min Scan# 306
Delta R.T. 0.01 min
Lab File: VF060208.D
Acq: 7 Sep 2018 13:57

Instrument :
MSVOA_F
ClientSampled :

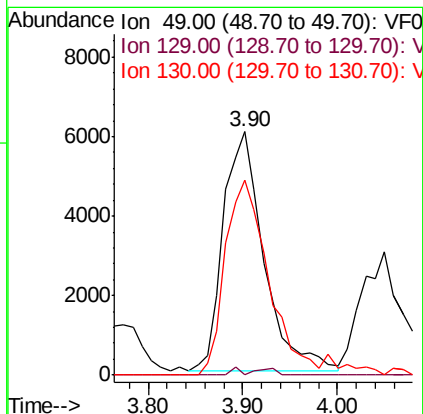
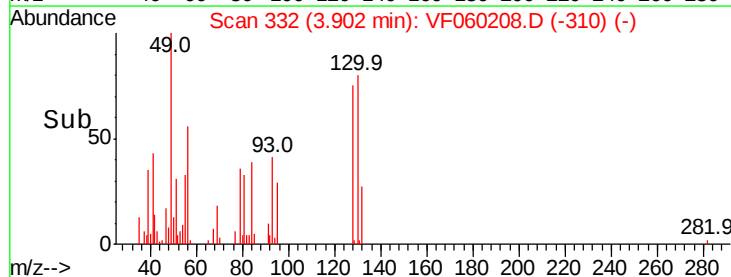
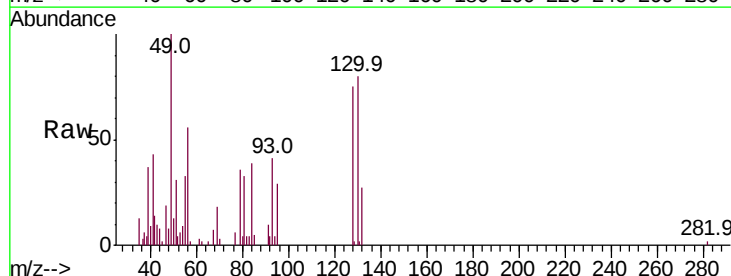
Tot Ion: 96 Resp: 31793
Ion Ratio Lower Upper
96 100
61 161.1 0.0 345.2
98 61.3 0.0 124.6

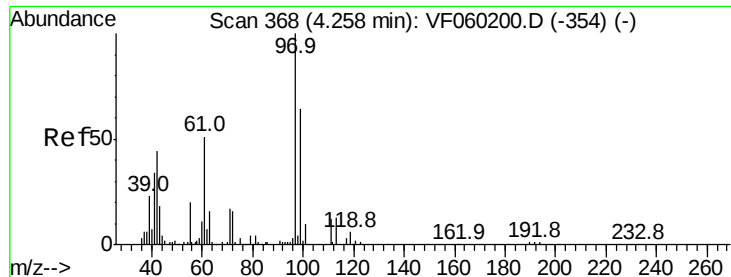


#28

Bromochloromethane
Concen: 20.205 ug/l
RT: 3.90 min Scan# 332
Delta R.T. 0.02 min
Lab File: VF060208.D
Acq: 7 Sep 2018 13:57

Tgt Ion: 49 Resp: 17961
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 79.9 57.8 86.6





#29

Tetrahydrofuran

Concen: 103.777 ug/l

RT: 4.27 min Scan# 369

Delta R.T. 0.01 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

Instrument :
MSVOA_F
ClientSampleId :

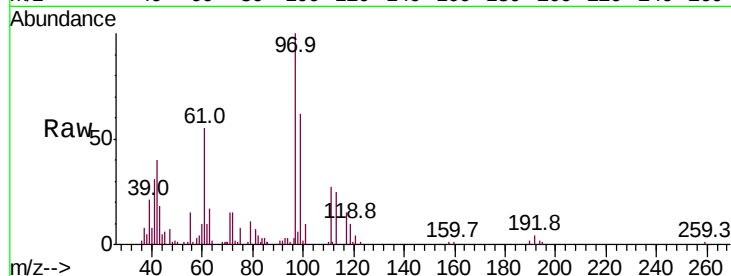
Tot Ion: 42 Resp: 25023

Ion Ratio Lower Upper

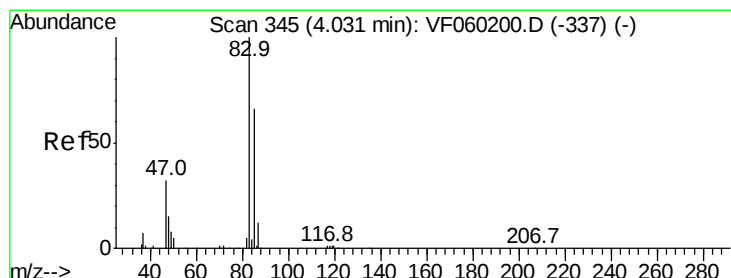
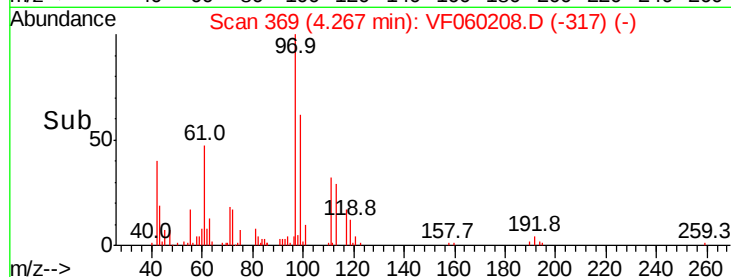
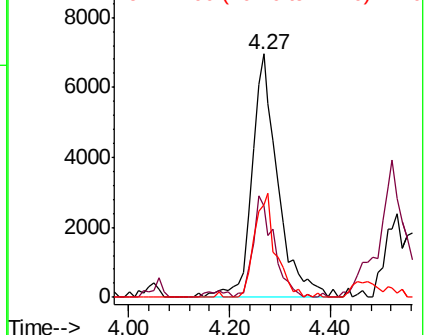
42 100

72 33.9 27.4 41.0

71 35.1 28.5 42.7



Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 21.645 ug/l

RT: 4.05 min Scan# 347

Delta R.T. 0.02 min

Lab File: VF060208.D

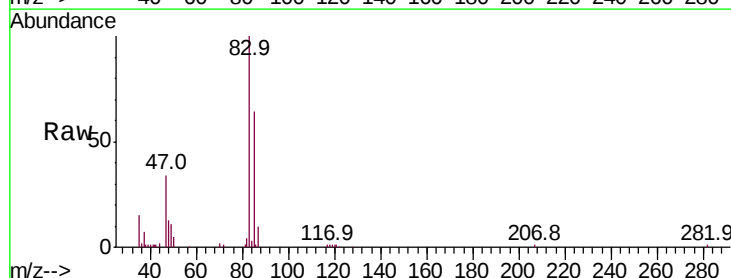
Acq: 7 Sep 2018 13:57

Tgt Ion: 83 Resp: 82766

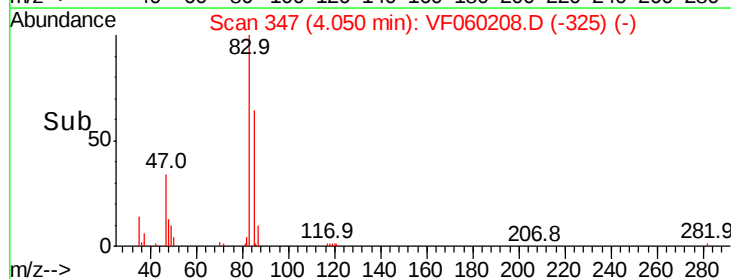
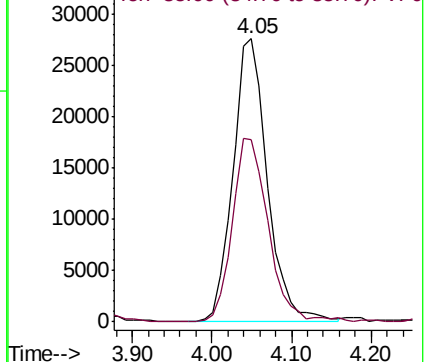
Ion Ratio Lower Upper

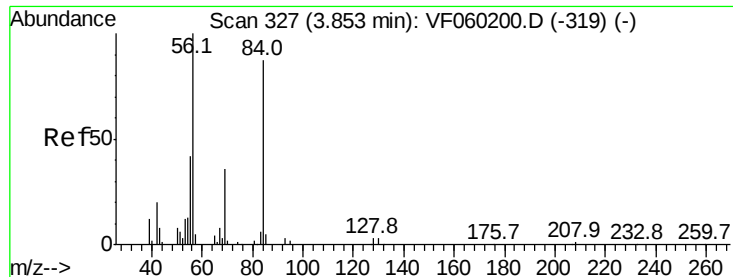
83 100

85 65.3 52.6 79.0



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0

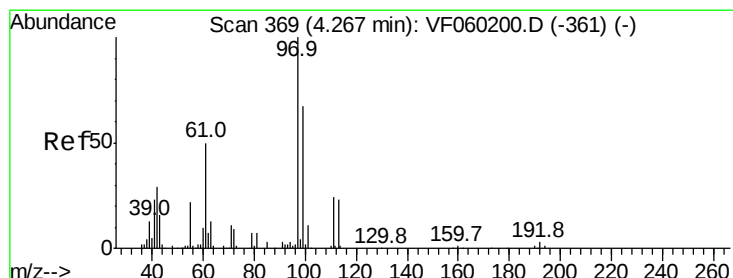
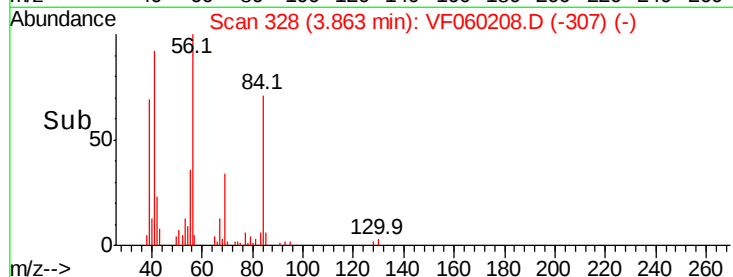
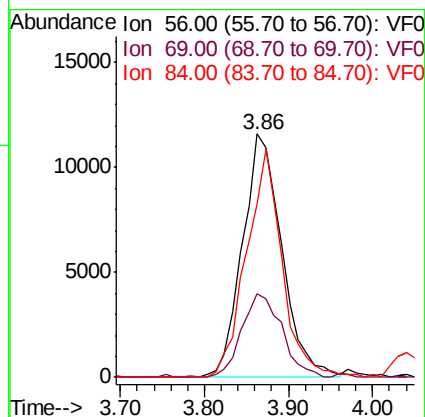
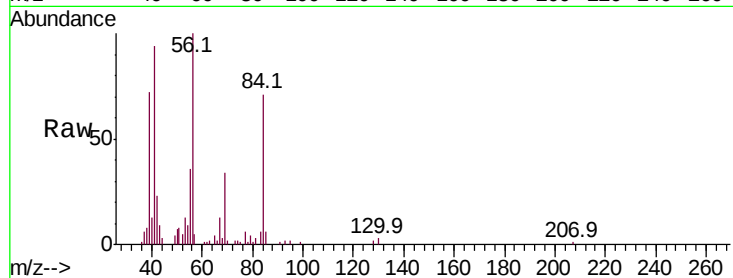




#31
Cyclohexane
Concen: 21.277 ug/l
RT: 3.86 min Scan# 328
Delta R.T. 0.01 min
Lab File: VF060208.D
Acq: 7 Sep 2018 13:57

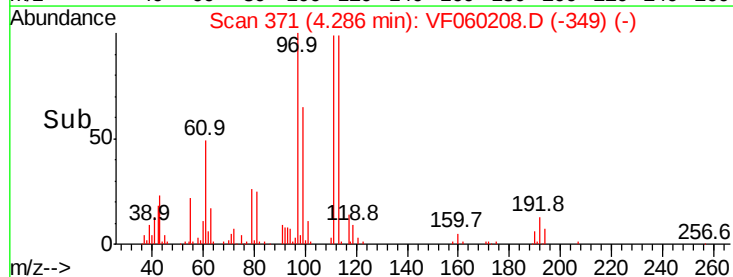
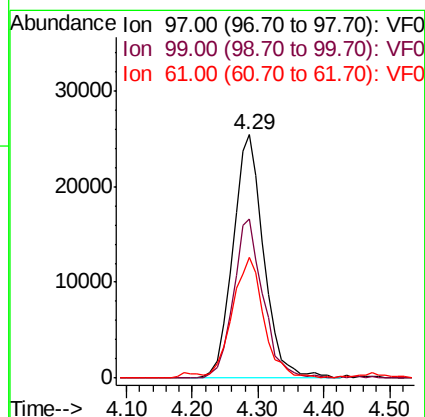
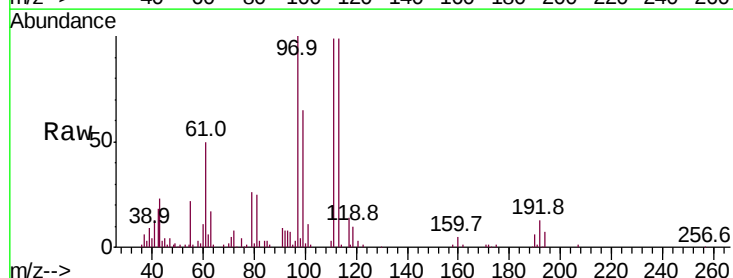
Instrument :
MSVOA_F
ClientSampleId :

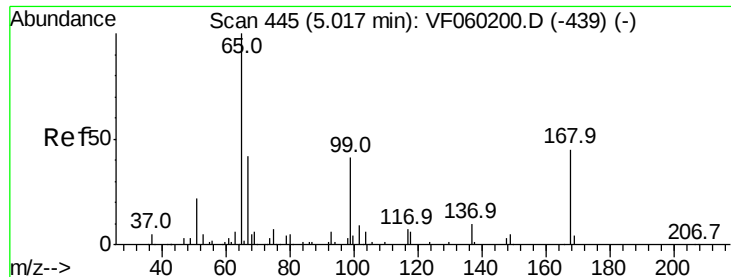
Tot Ion: 56 Resp: 37995
Ion Ratio Lower Upper
56 100
69 34.2 28.7 43.1
84 71.2 69.7 104.5



#32
1,1,1-Trichloroethane
Concen: 21.821 ug/l
RT: 4.29 min Scan# 371
Delta R.T. 0.02 min
Lab File: VF060208.D
Acq: 7 Sep 2018 13:57

Tgt Ion: 97 Resp: 83126
Ion Ratio Lower Upper
97 100
99 65.3 53.5 80.3
61 49.8 40.4 60.6





#33

1,2-Dichloroethane-d4

Concen: 51.776 ug/l

RT: 5.03 min Scan# 446

Delta R.T. 0.01 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

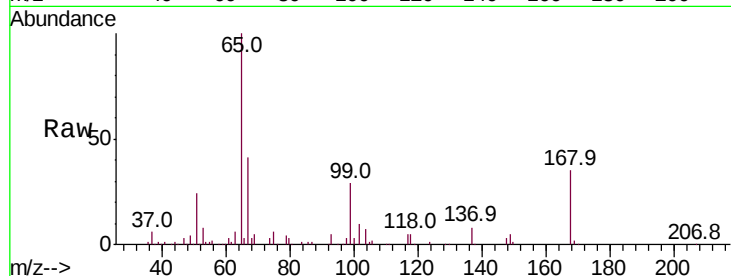
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 134359

Ion Ratio Lower Upper

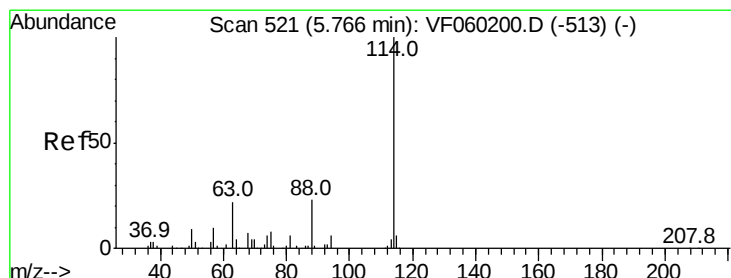
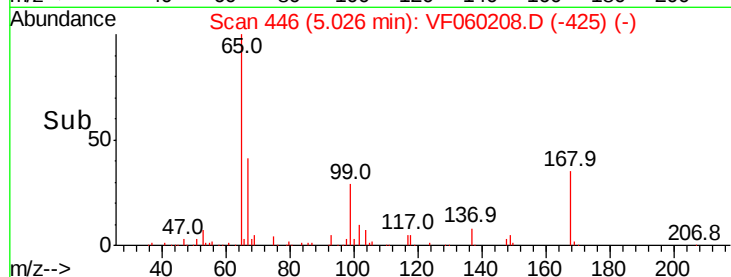
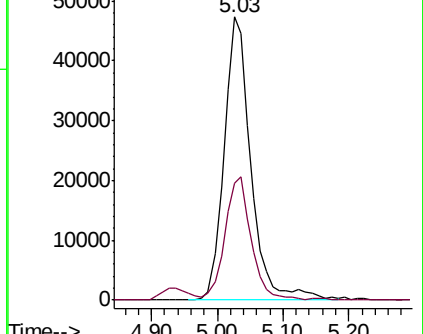
65 100

67 41.4 0.0 87.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 522

Delta R.T. 0.01 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

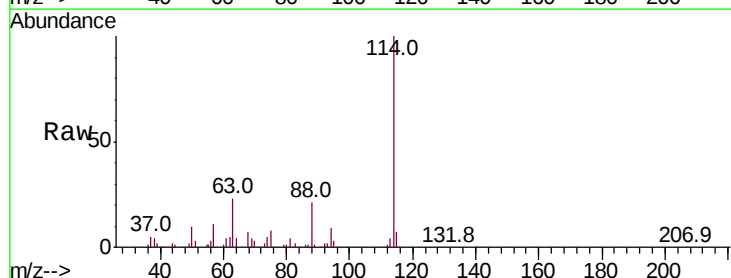
Tgt Ion:114 Resp: 214595

Ion Ratio Lower Upper

114 100

63 23.2 0.0 45.6

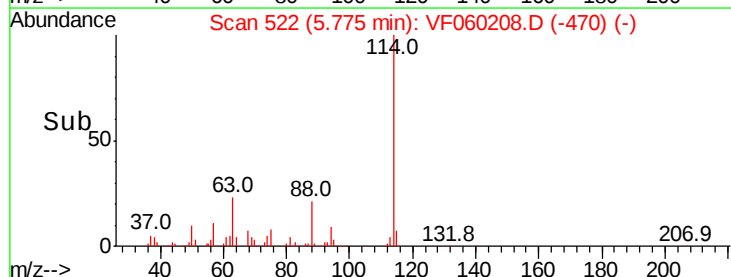
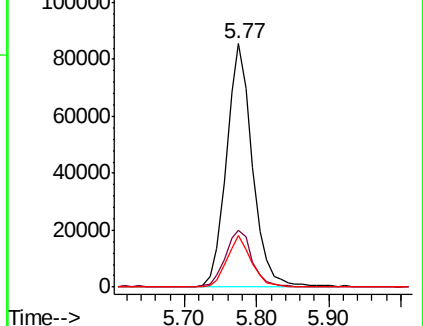
88 21.0 0.0 46.4

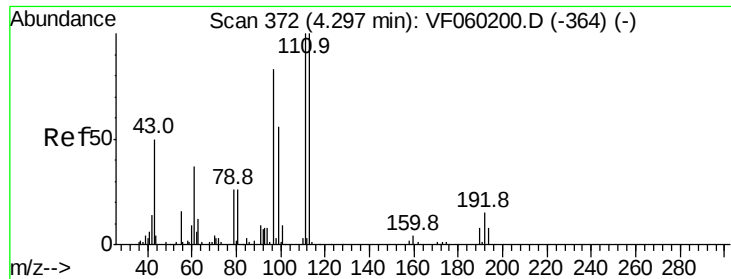


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 48.791 ug/l

RT: 4.31 min Scan# 373

Delta R.T. 0.01 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

Instrument :
MSVOA_F
ClientSampleId :

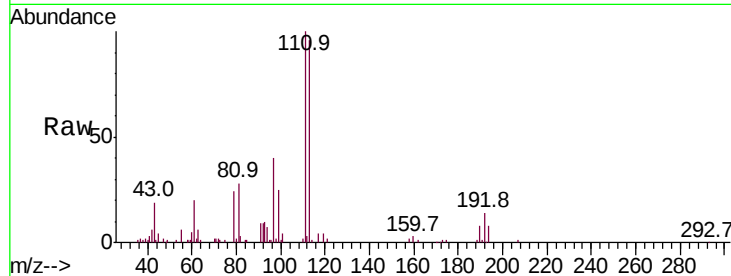
Tot Ion:113 Resp: 102580

Ion Ratio Lower Upper

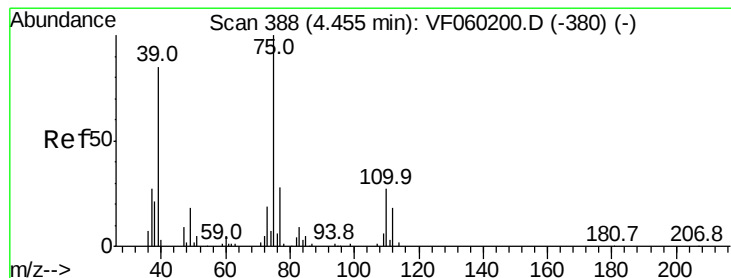
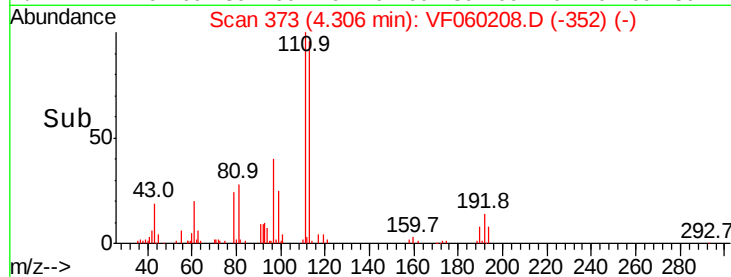
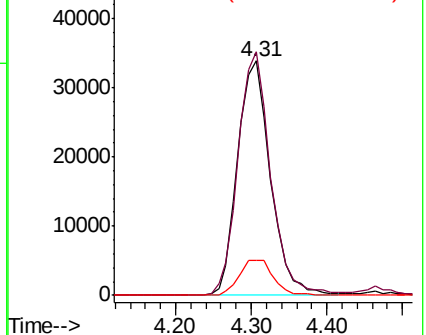
113 100

111 103.9 80.2 120.2

192 15.0 11.8 17.8



Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 21.023 ug/l

RT: 4.47 min Scan# 390

Delta R.T. 0.02 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

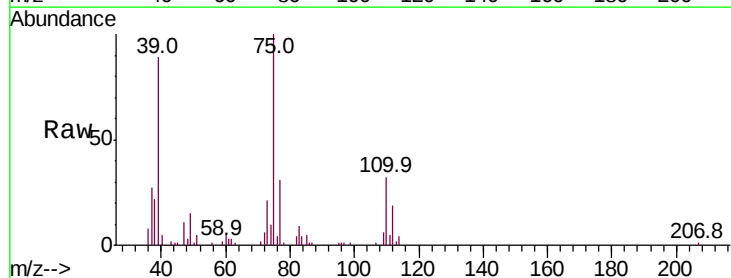
Tgt Ion: 75 Resp: 53100

Ion Ratio Lower Upper

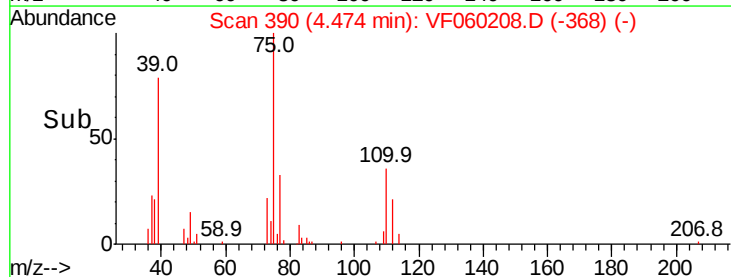
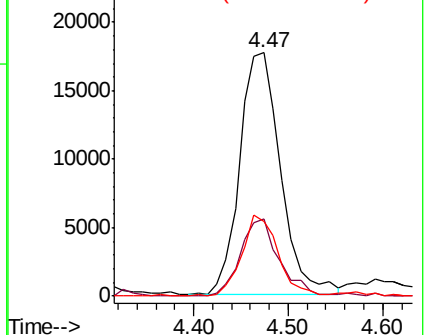
75 100

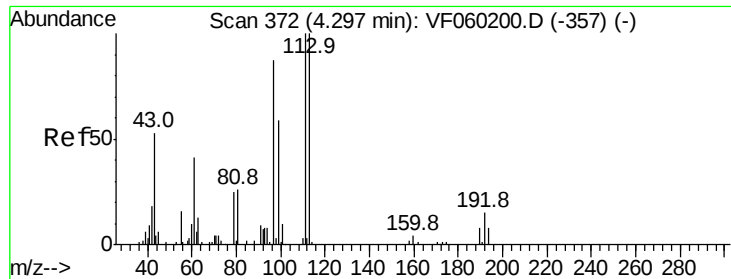
110 31.7 13.6 40.7

77 30.7 22.7 34.1



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 110.00 (109.70 to 110.70): V
Ion 77.00 (76.70 to 77.70): VF0

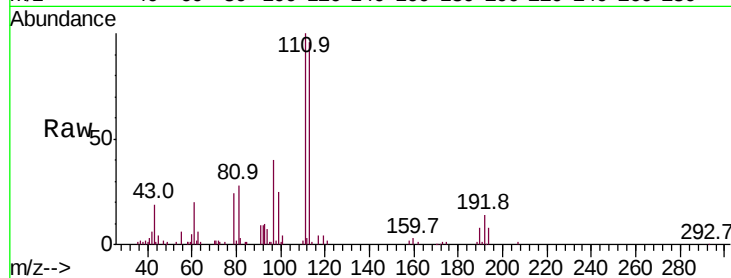




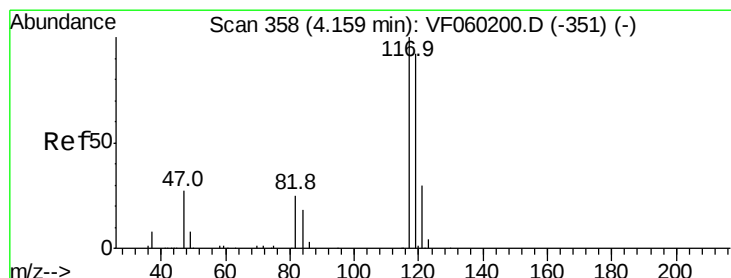
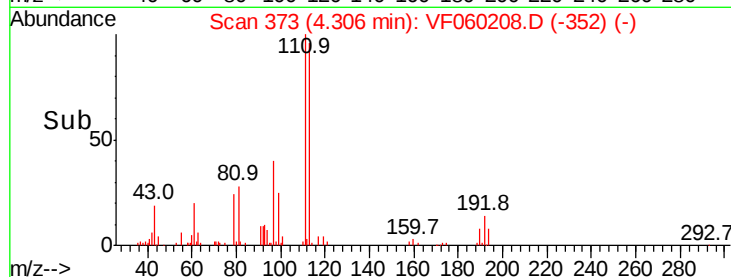
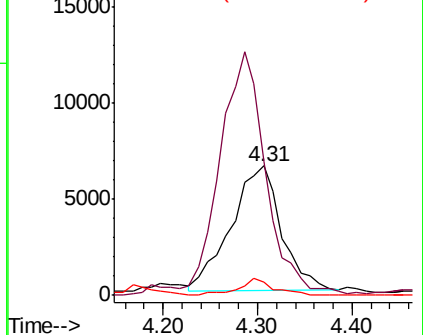
#37
Ethyl Acetate
Concen: 16.853 ug/l
RT: 4.31 min Scan# 373
Delta R.T. 0.01 min
Lab File: VF060208.D
Acq: 7 Sep 2018 13:57

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 23922
Ion Ratio Lower Upper
43 100
61 103.8 61.6 92.4#
70 10.2 6.9 10.3

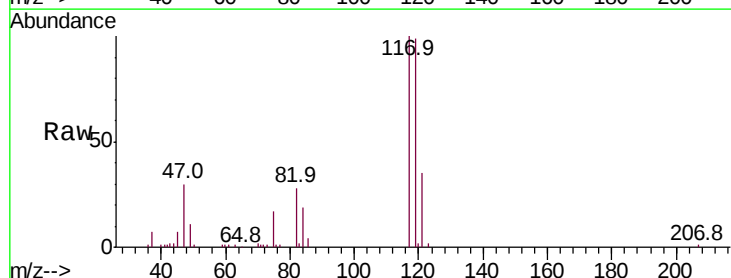


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

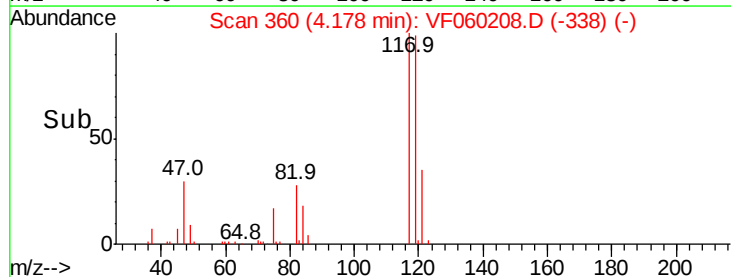
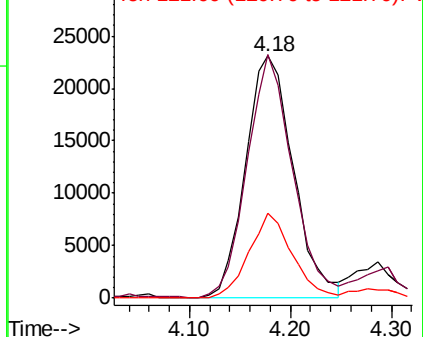


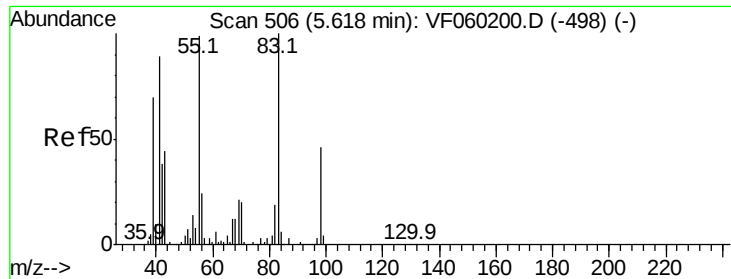
#38
Carbon Tetrachloride
Concen: 21.947 ug/l
RT: 4.18 min Scan# 360
Delta R.T. 0.02 min
Lab File: VF060208.D
Acq: 7 Sep 2018 13:57

Tgt Ion:117 Resp: 76211
Ion Ratio Lower Upper
117 100
119 100.6 73.0 109.6
121 35.1 23.9 35.9



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

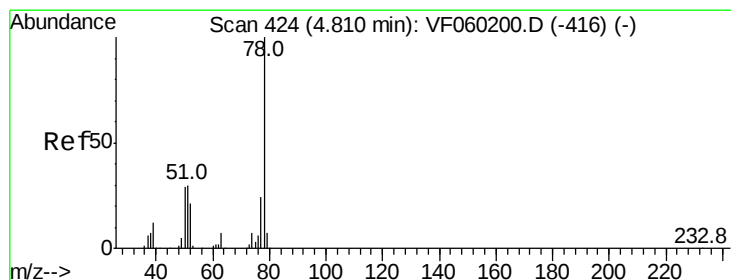
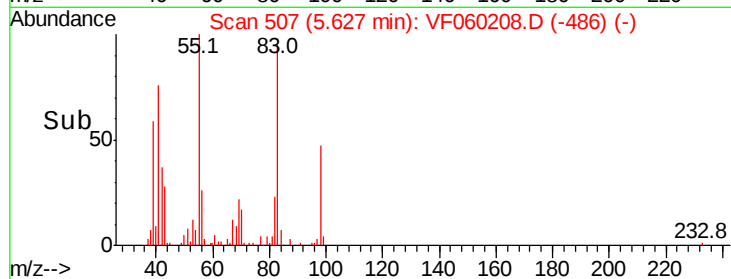
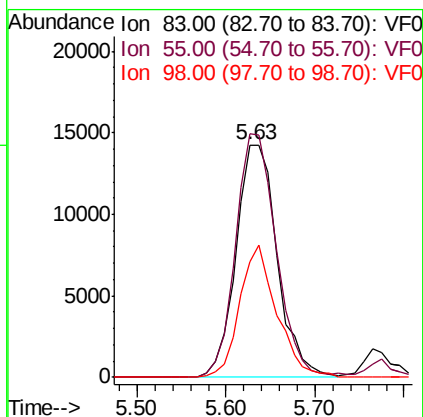
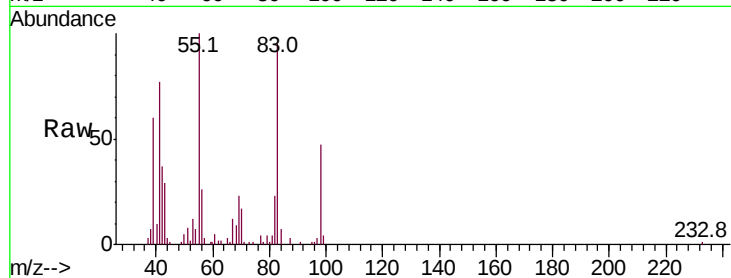




#39
Methvlcvclohexane
Concen: 21.603 ug/l
RT: 5.63 min Scan# 507
Delta R.T. 0.01 min
Lab File: VF060208.D
Acq: 7 Sep 2018 13:57

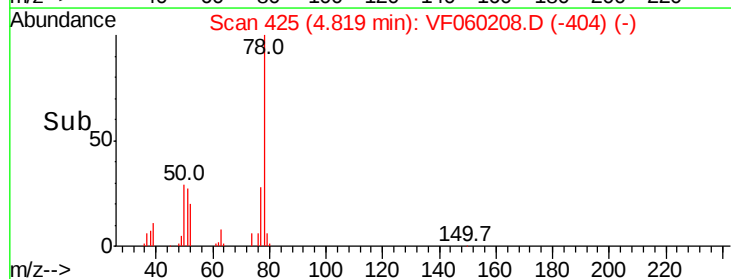
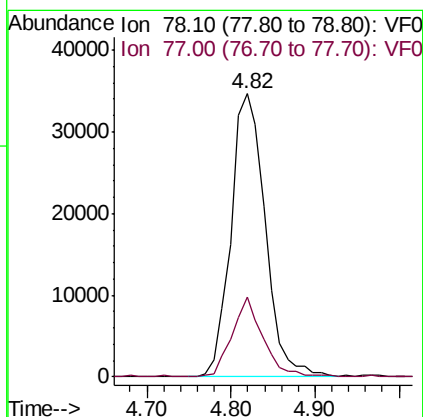
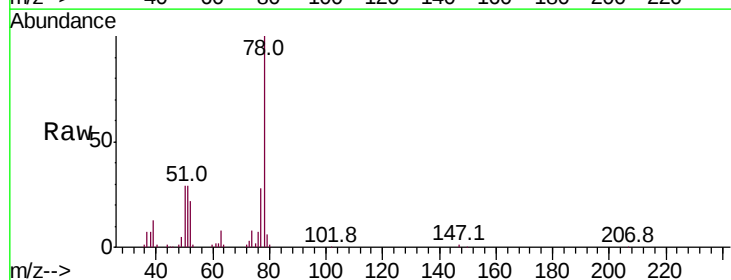
Instrument :
MSVOA_F
ClientSampleId :

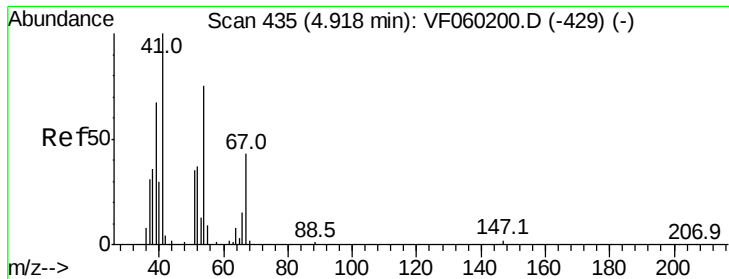
Tot Ion: 83 Resp: 45709
Ion Ratio Lower Upper
83 100
55 104.8 79.0 118.4
98 49.7 36.7 55.1



#40
Benzene
Concen: 21.916 ug/l
RT: 4.82 min Scan# 425
Delta R.T. 0.01 min
Lab File: VF060208.D
Acq: 7 Sep 2018 13:57

Tgt Ion: 78 Resp: 98622
Ion Ratio Lower Upper
78 100
77 28.3 19.0 28.4

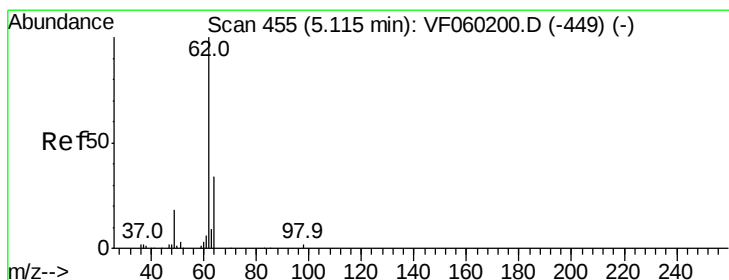
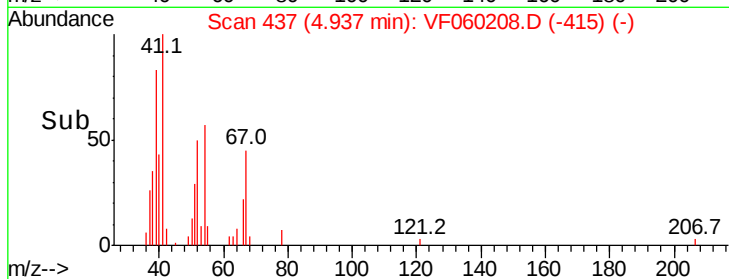
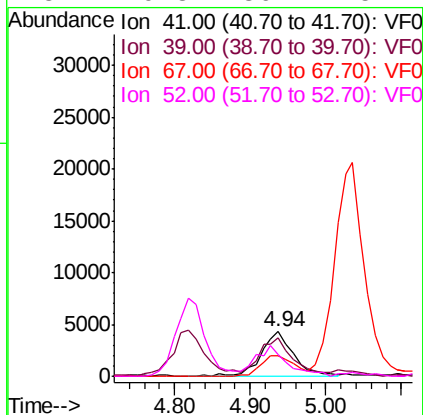
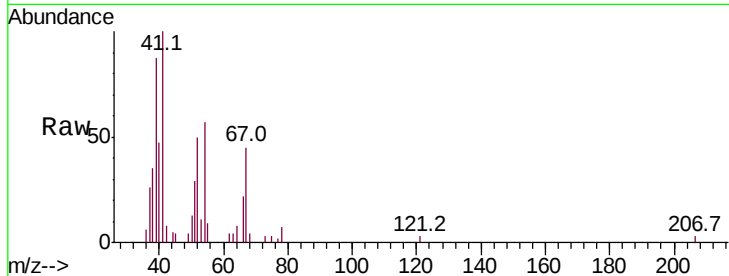




#41
Methacrylonitrile
Concen: 19.700 ug/l
RT: 4.94 min Scan# 437
Delta R.T. 0.02 min
Lab File: VF060208.D
Acq: 7 Sep 2018 13:57

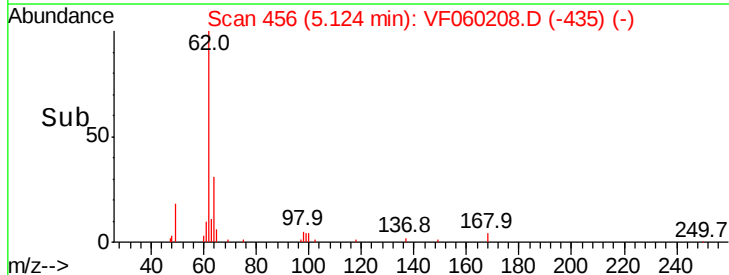
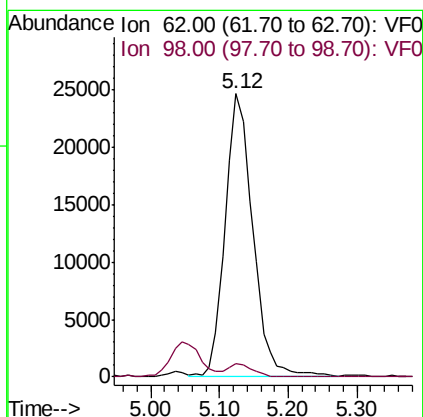
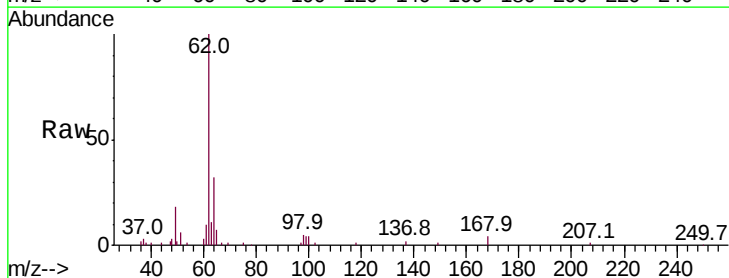
Instrument :
MSVOA_F
ClientSampleId :

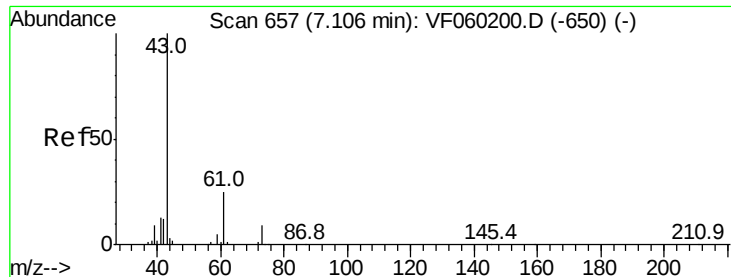
Tot Ion	Ion	Ratio	Lower	Upper
41	41.00	100		
39	39.00	86.9	57.4	86.2#
67	67.00	45.3	34.6	52.0
52	52.00	49.8	36.2	54.4



#42
1,2-Dichloroethane
Concen: 21.255 ug/l
RT: 5.12 min Scan# 456
Delta R.T. 0.01 min
Lab File: VF060208.D
Acq: 7 Sep 2018 13:57

Tgt Ion	Ion	Ratio	Lower	Upper
62	62.00	100		
98	98.00	4.5	0.0	8.8





#43

Isopropyl Acetate

Concen: 19.085 ug/l

RT: 7.12 min Scan# 658

Delta R.T. 0.01 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

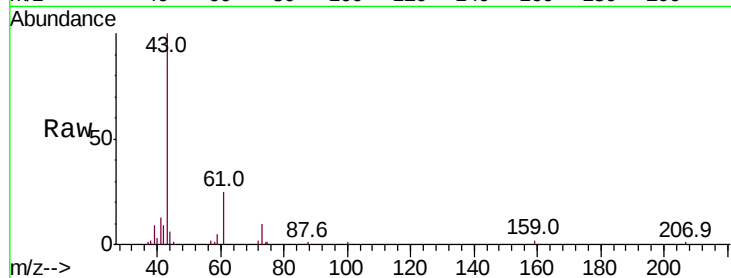
Tot Ion: 43 Resp: 28038

Ion Ratio Lower Upper

43 100

61 25.4 19.9 29.9

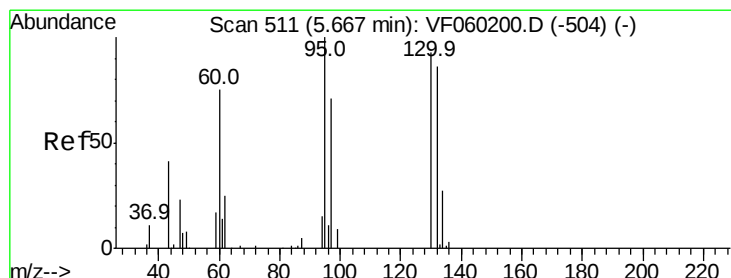
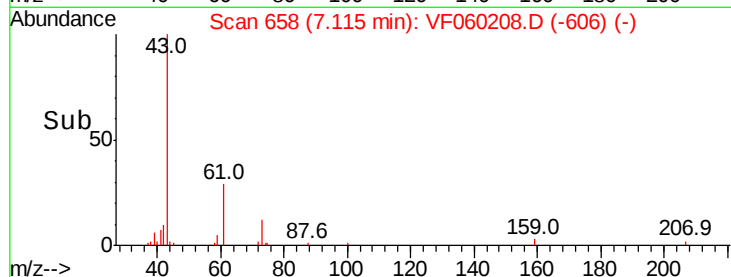
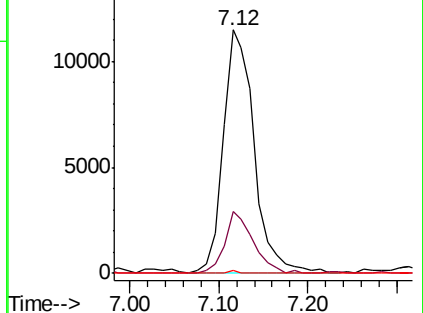
87 1.1 0.4 0.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 21.814 ug/l

RT: 5.69 min Scan# 513

Delta R.T. 0.02 min

Lab File: VF060208.D

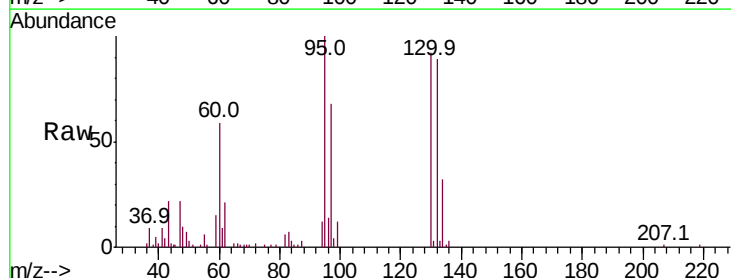
Acq: 7 Sep 2018 13:57

Tgt Ion:130 Resp: 39760

Ion Ratio Lower Upper

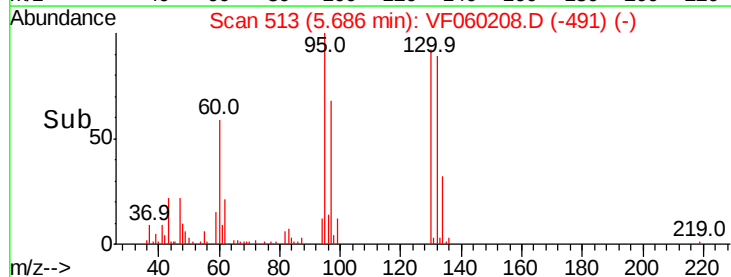
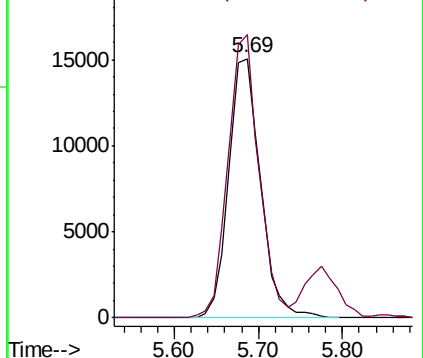
130 100

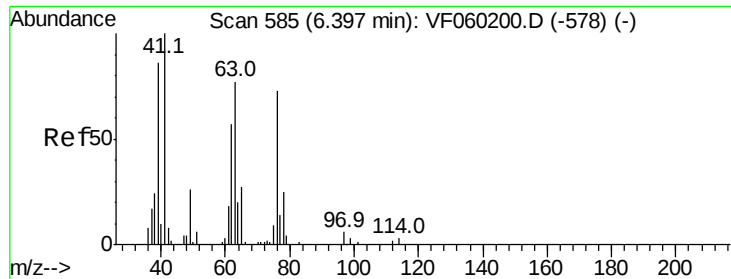
95 109.1 0.0 215.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 21.133 ug/l

RT: 6.42 min Scan# 587

Delta R.T. 0.02 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

Instrument :

MSVOA_F

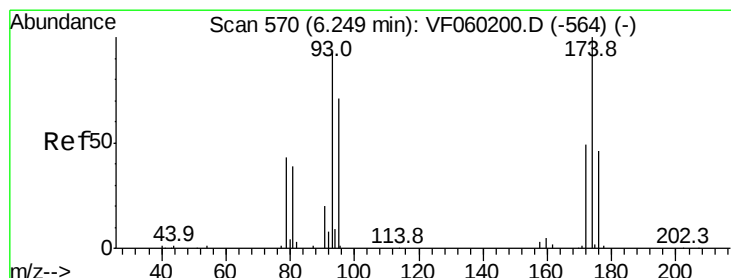
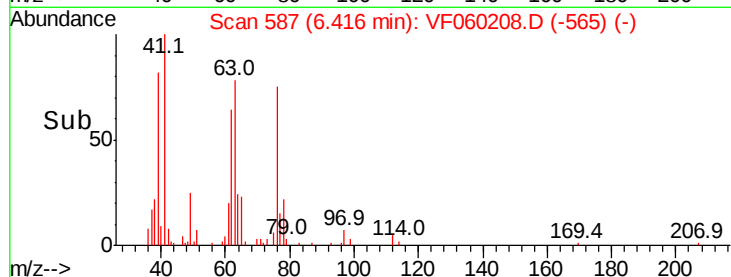
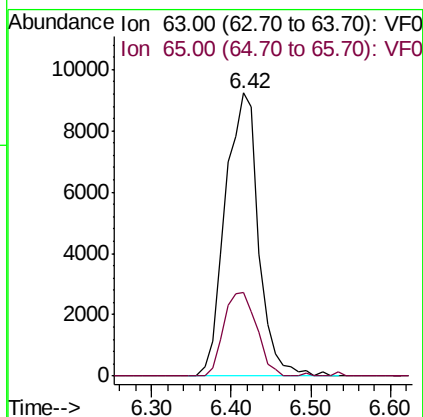
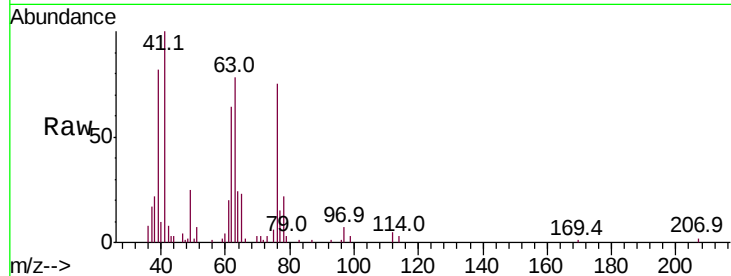
ClientSampled :

Tot Ion: 63 Resp: 27030

Ion Ratio Lower Upper

63 100

65 29.5 27.9 41.9



#46

Dibromomethane

Concen: 20.148 ug/l

RT: 6.26 min Scan# 571

Delta R.T. 0.01 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

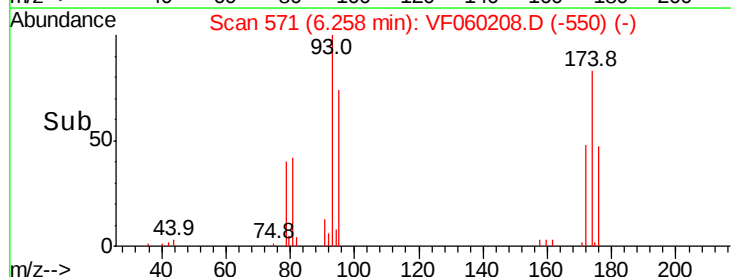
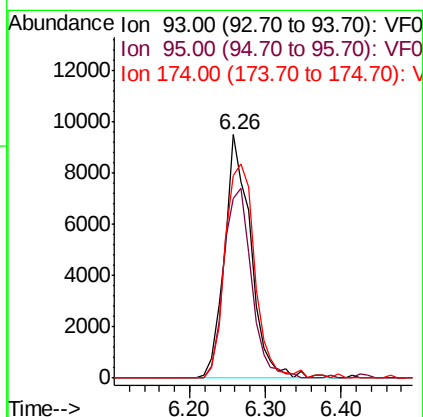
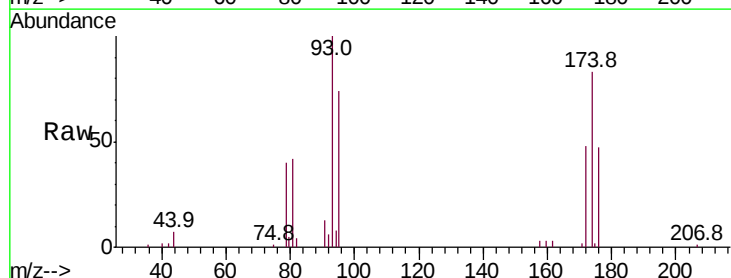
Tgt Ion: 93 Resp: 22691

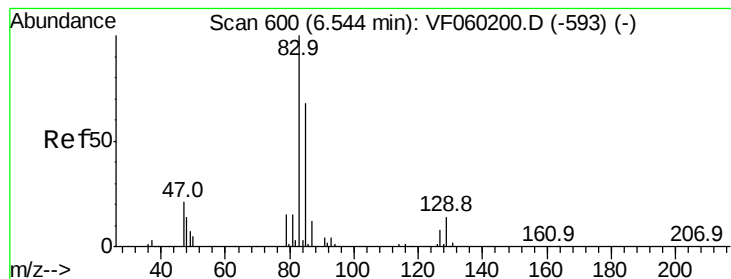
Ion Ratio Lower Upper

93 100

95 73.7 61.4 92.2

174 83.1 85.9 128.9#





#47

Bromodichloromethane

Concen: 21.010 ug/l

RT: 6.55 min Scan# 601

Delta R.T. 0.01 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

Instrument :
MSVOA_F
ClientSampleId :

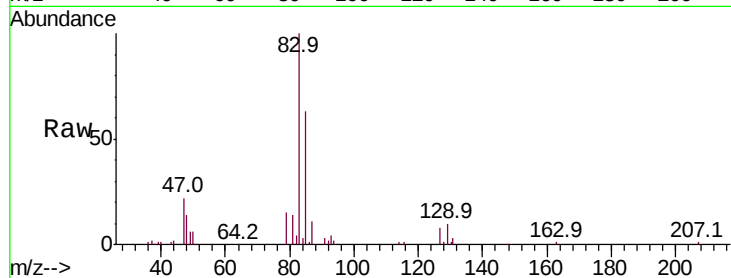
Tot Ion: 83 Resp: 64224

Ion Ratio Lower Upper

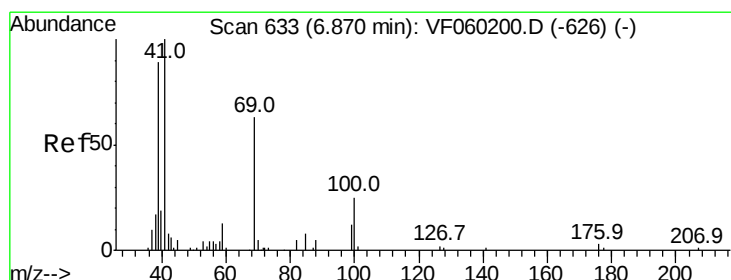
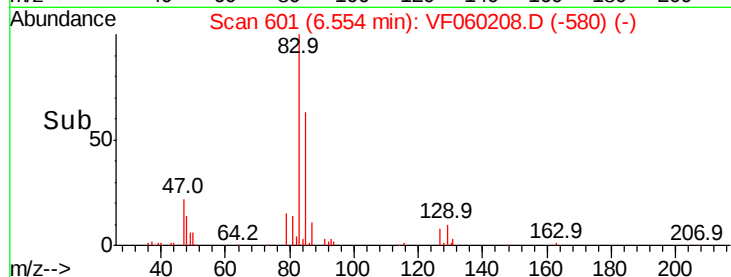
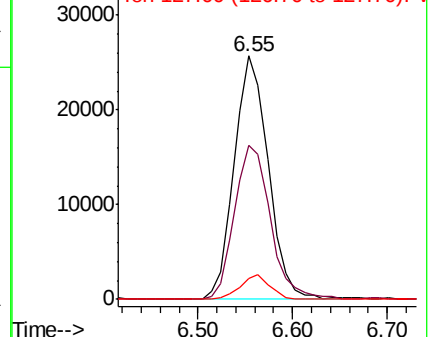
83 100

85 63.1 54.0 81.0

127 8.4 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 19.341 ug/l

RT: 6.88 min Scan# 634

Delta R.T. 0.01 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

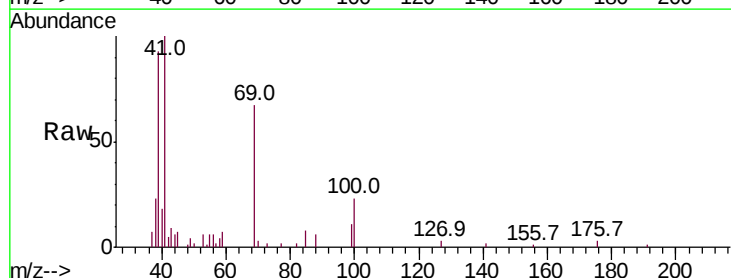
Tgt Ion: 41 Resp: 22571

Ion Ratio Lower Upper

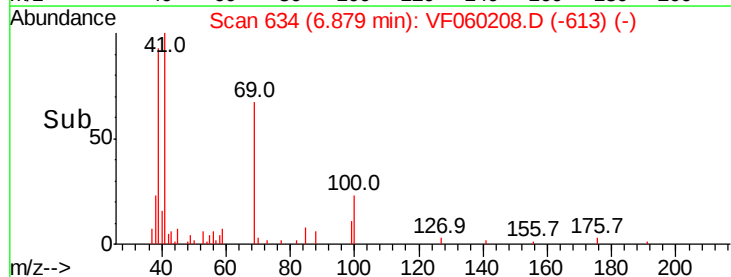
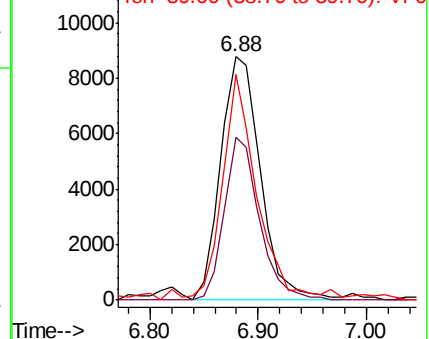
41 100

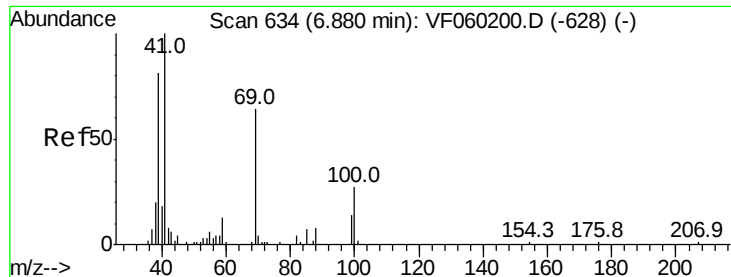
69 67.0 50.4 75.6

39 92.9 70.6 106.0



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 89.165 ug/l

RT: 6.88 min Scan# 634

Delta R.T. -0.00 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

Instrument :
MSVOA_F
ClientSampleId :

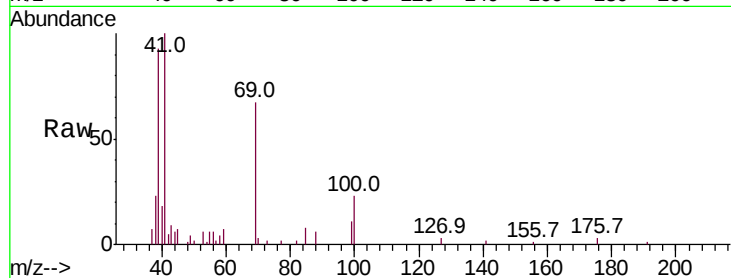
Tot Ion: 88 Resp: 1529

Ion Ratio Lower Upper

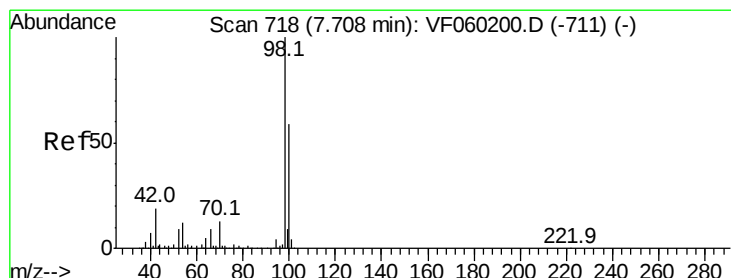
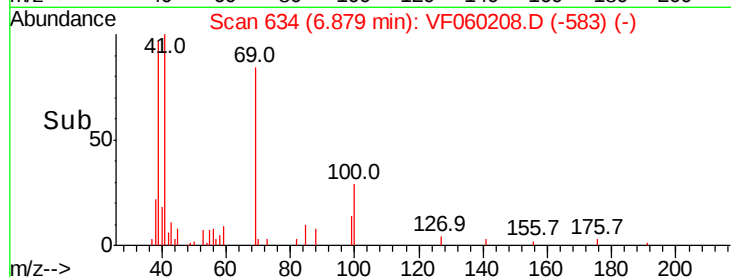
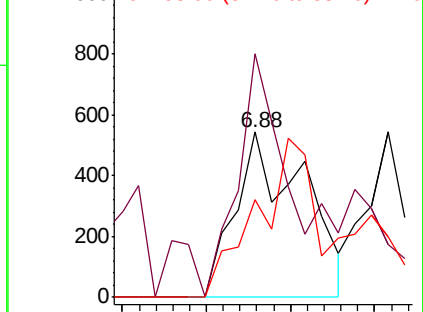
88 100

43 147.5 68.1 102.1#

58 59.5 38.1 57.1#



Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 49.656 ug/l

RT: 7.72 min Scan# 719

Delta R.T. 0.01 min

Lab File: VF060208.D

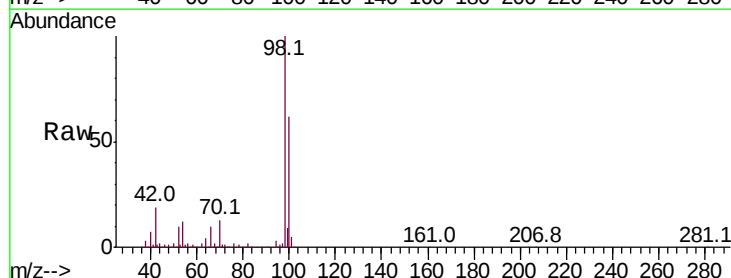
Acq: 7 Sep 2018 13:57

Tgt Ion: 98 Resp: 260520

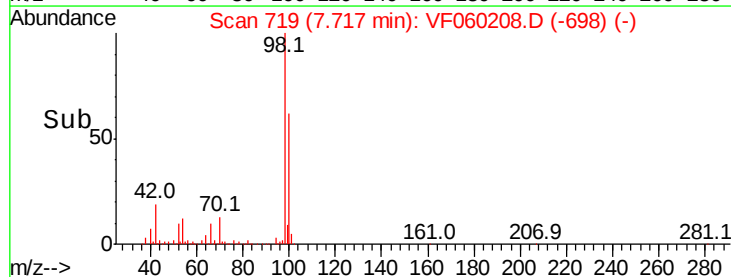
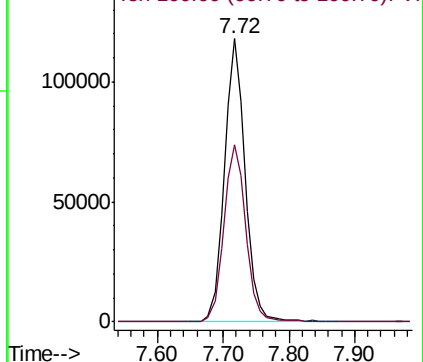
Ion Ratio Lower Upper

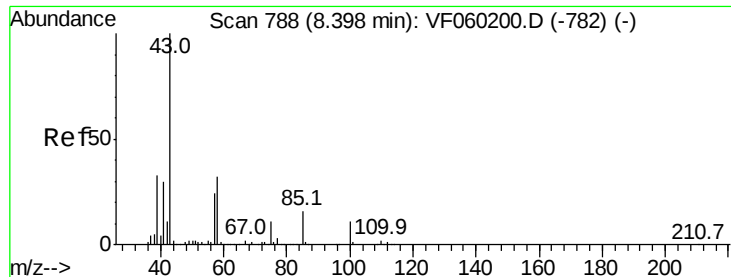
98 100

100 62.4 47.4 71.0



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 98.989 ug/l

RT: 8.42 min Scan# 790

Delta R.T. 0.02 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

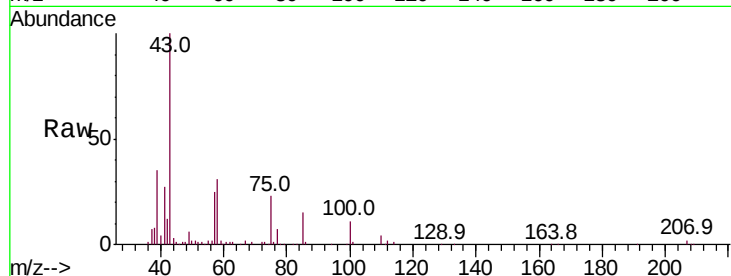
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 129209

Ion Ratio Lower Upper

43 100

58 31.3 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

60000

50000

40000

30000

20000

10000

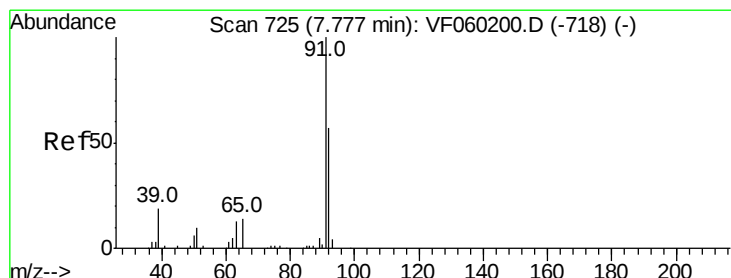
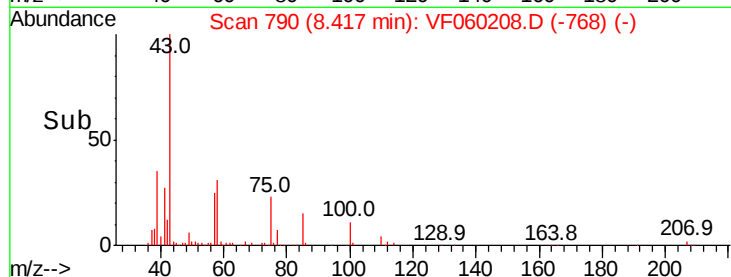
0

8.30

8.40

8.50

Time-->



#52

Toluene

Concen: 21.802 ug/l

RT: 7.79 min Scan# 726

Delta R.T. 0.01 min

Lab File: VF060208.D

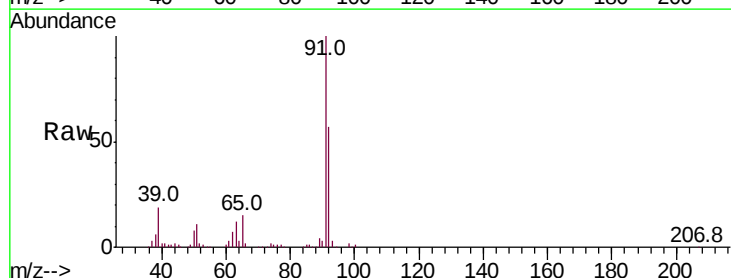
Acq: 7 Sep 2018 13:57

Tgt Ion: 92 Resp: 75983

Ion Ratio Lower Upper

92 100

91 175.2 140.0 210.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

60000

40000

20000

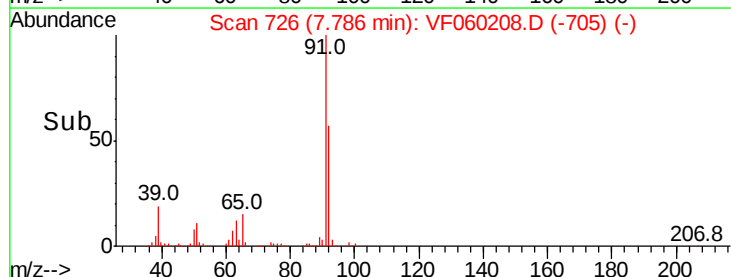
0

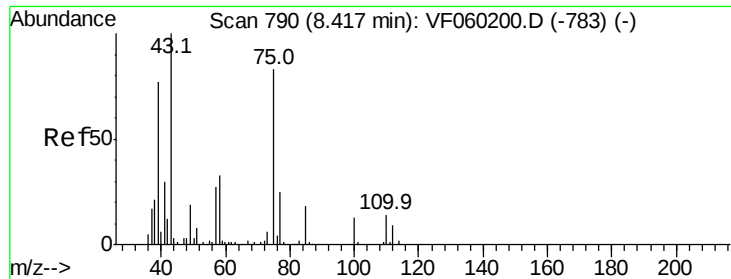
7.70

7.80

7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 22.391 ug/l

RT: 8.44 min Scan# 792

Delta R.T. 0.02 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

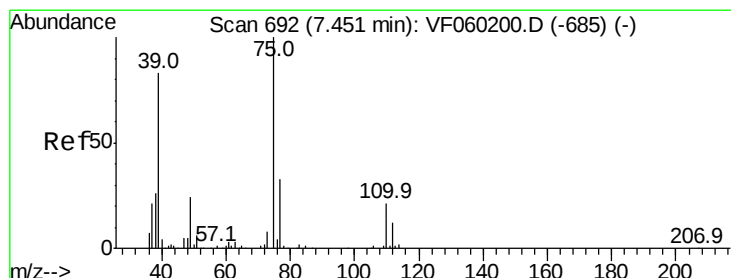
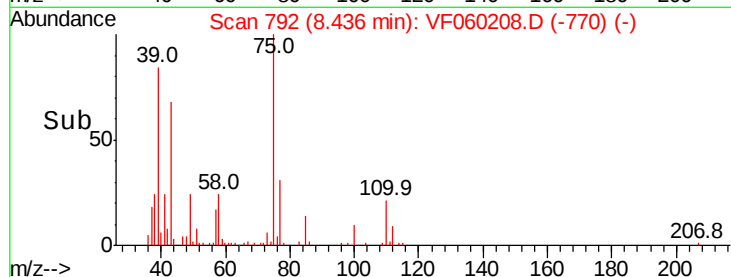
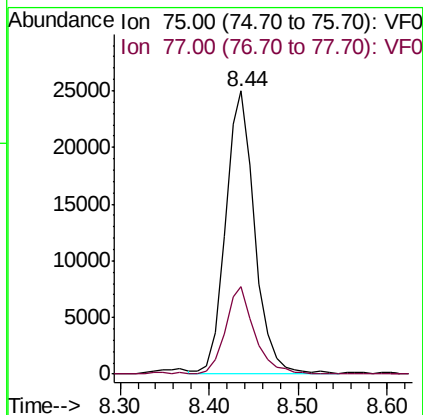
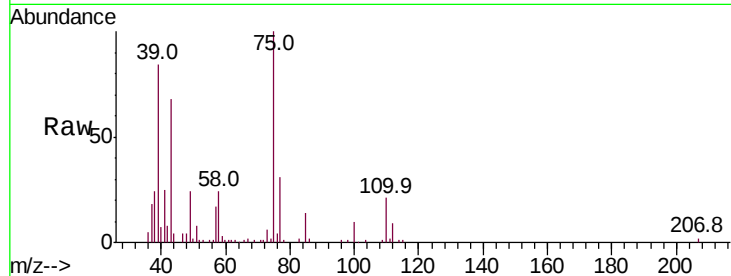
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 75 Resp: 57511

Ion Ratio Lower Upper

75 100

77 30.8 24.3 36.5



#54

cis-1,3-Dichloropropene

Concen: 21.410 ug/l

RT: 7.47 min Scan# 694

Delta R.T. 0.02 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

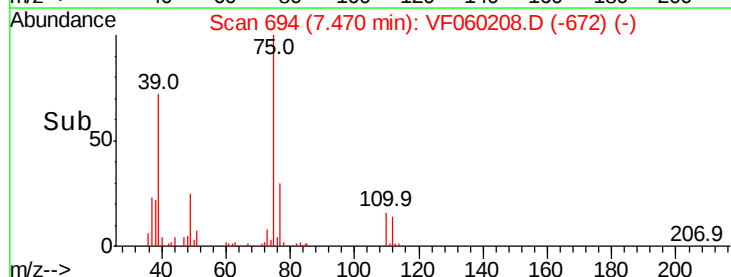
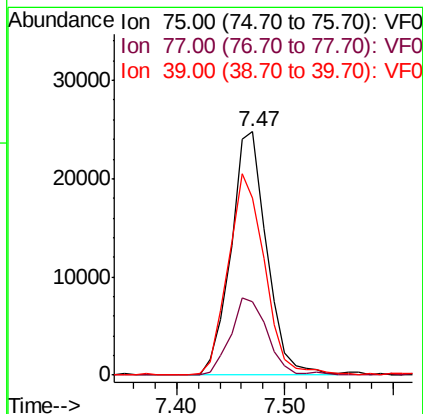
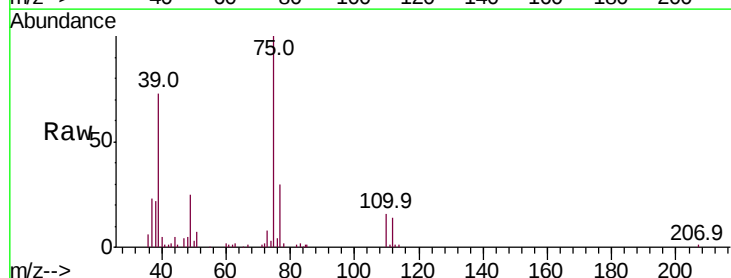
Tgt Ion: 75 Resp: 57087

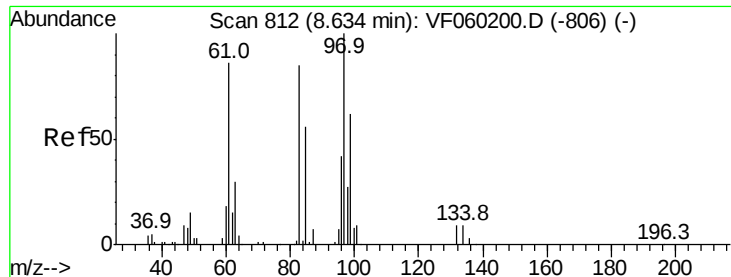
Ion Ratio Lower Upper

75 100

77 30.1 26.6 39.8

39 72.6 66.6 100.0





#55

1,1,2-Trichloroethane

Concen: 20.323 ug/l

RT: 8.64 min Scan# 813

Delta R.T. 0.01 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 97 Resp: 26050

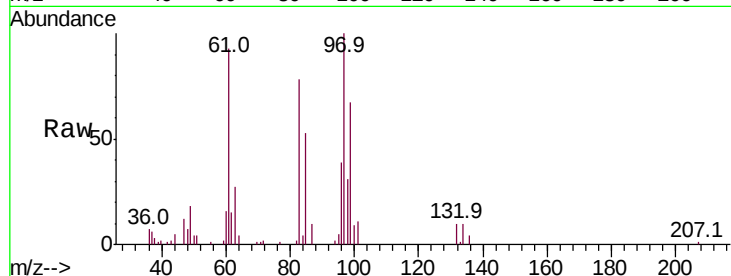
Ion Ratio Lower Upper

97 100

83 78.0 68.1 102.1

85 52.5 44.6 66.8

99 67.1 49.8 74.8

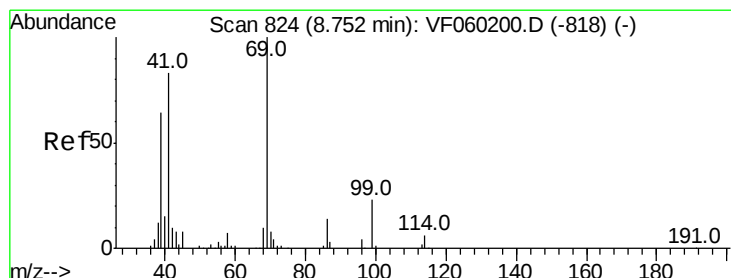
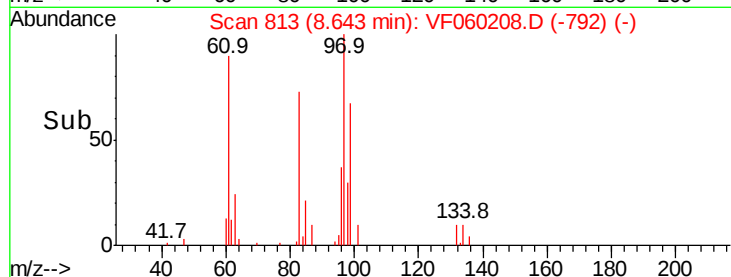
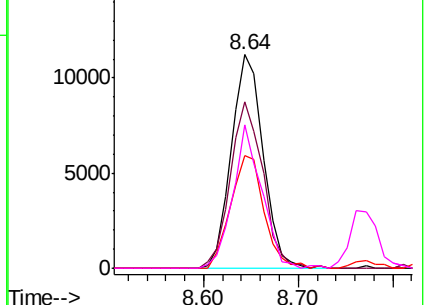


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 18.977 ug/l

RT: 8.77 min Scan# 826

Delta R.T. 0.02 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

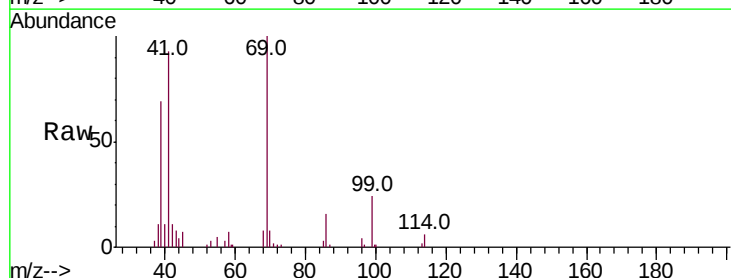
Tgt Ion: 69 Resp: 27808

Ion Ratio Lower Upper

69 100

41 92.7 66.6 100.0

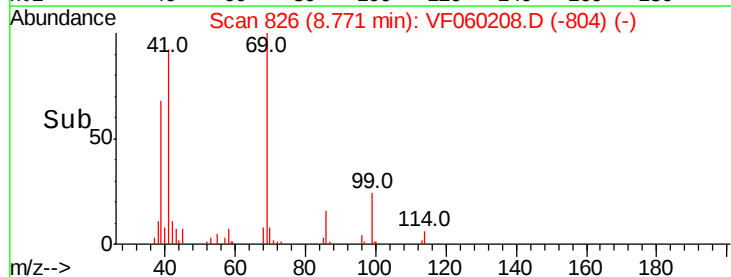
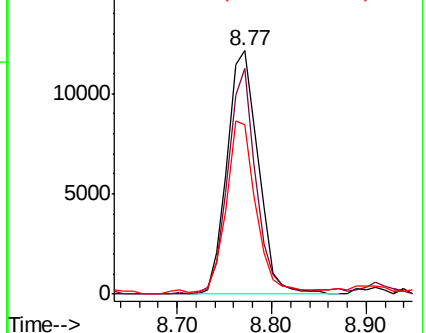
39 69.4 51.5 77.3

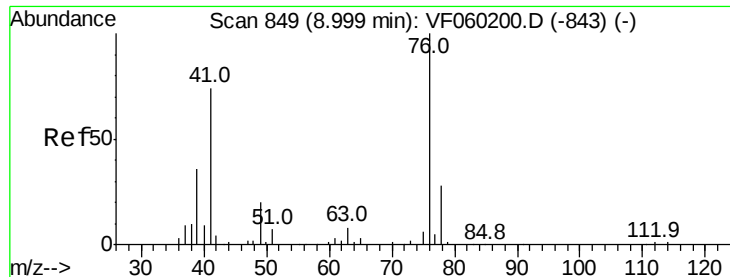


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 21.347 ug/l

RT: 9.01 min Scan# 850

Delta R.T. 0.01 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

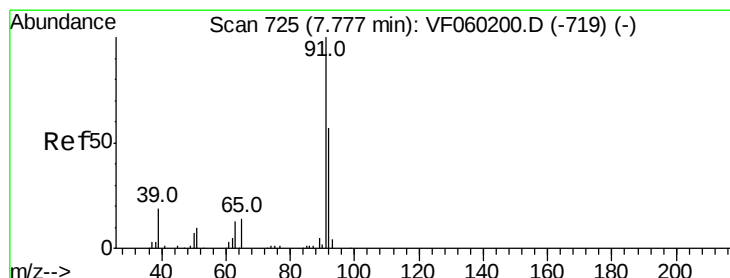
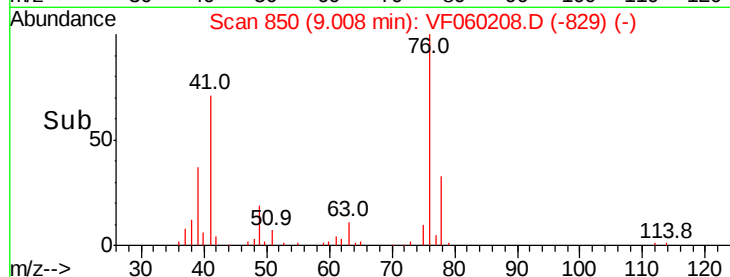
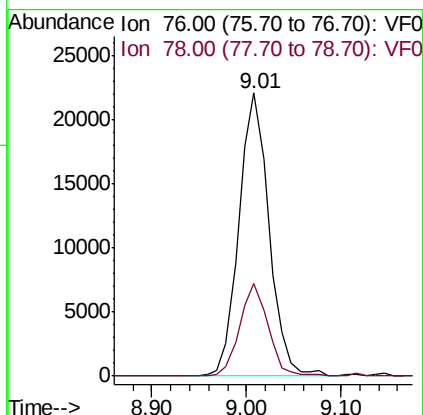
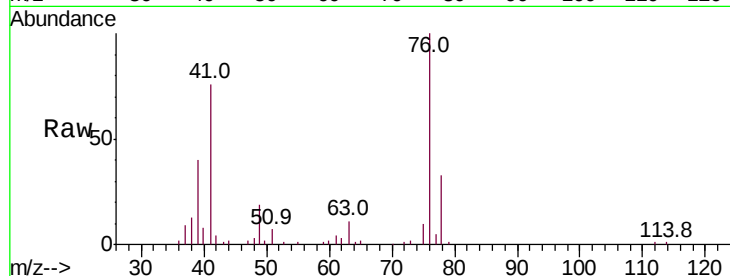
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 76 Resp: 48650

Ion Ratio Lower Upper

76 100

78 32.6 22.8 34.2



#58

2-Chloroethyl Vinyl ether

Concen: 101.259 ug/l

RT: 7.79 min Scan# 726

Delta R.T. 0.01 min

Lab File: VF060208.D

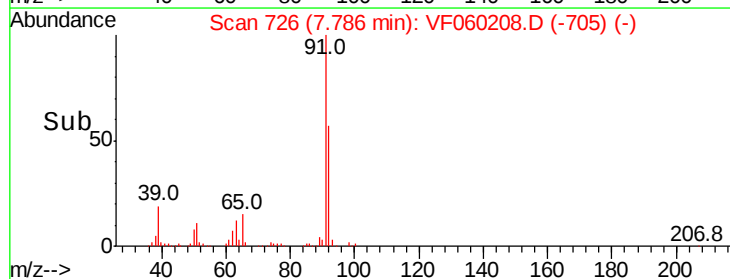
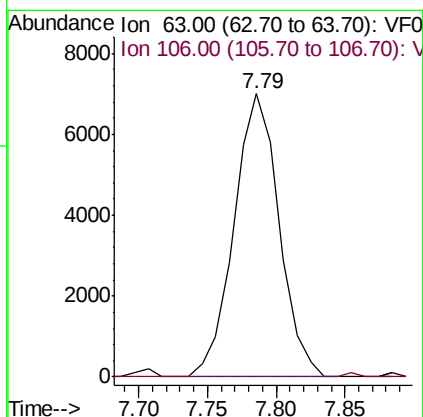
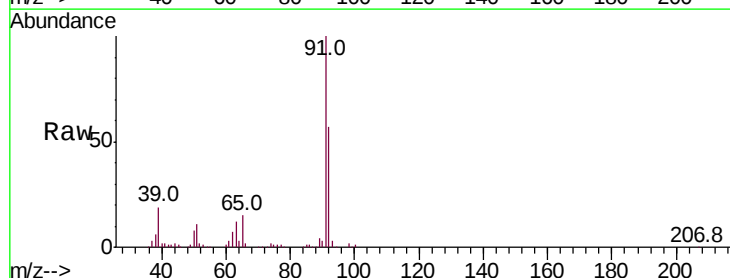
Acq: 7 Sep 2018 13:57

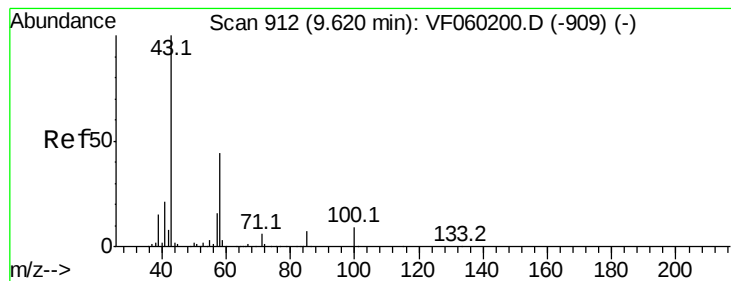
Tgt Ion: 63 Resp: 15957

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





#59

2-Hexanone

Concen: 102.889 ug/l

RT: 9.64 min Scan# 914

Delta R.T. 0.02 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

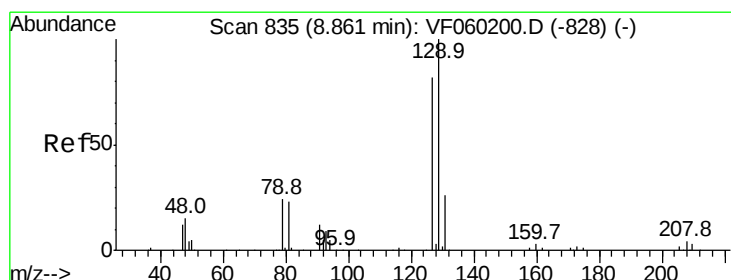
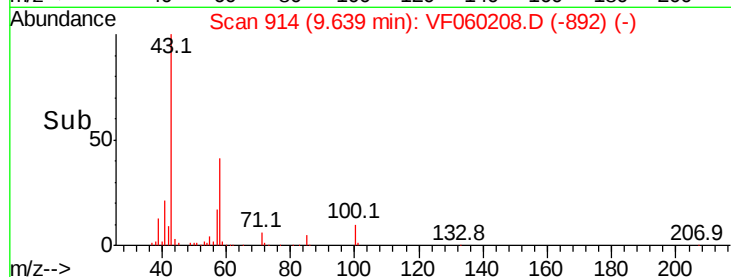
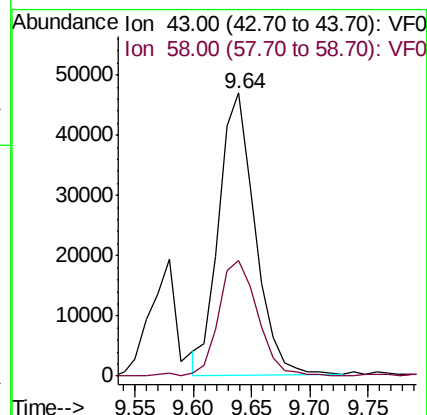
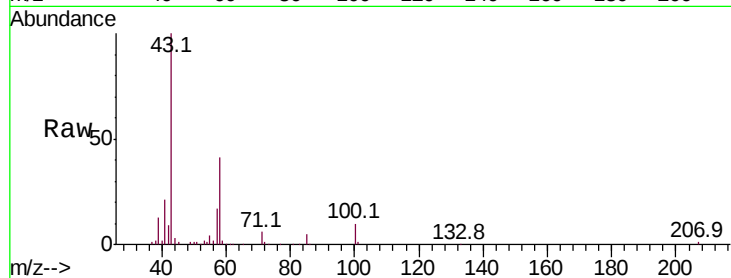
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 101119

Ion Ratio Lower Upper

43 100

58 40.9 20.8 62.5



#60

Dibromochloromethane

Concen: 19.434 ug/l

RT: 8.87 min Scan# 836

Delta R.T. 0.01 min

Lab File: VF060208.D

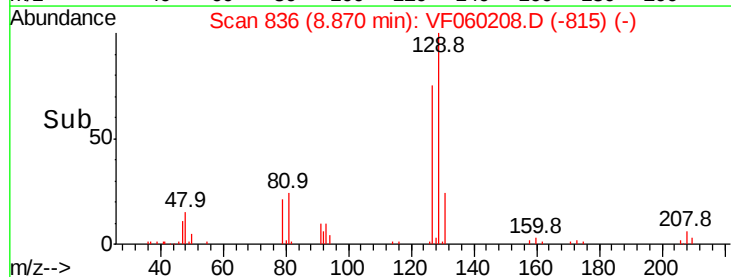
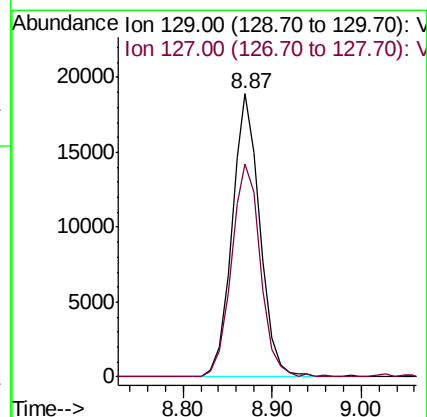
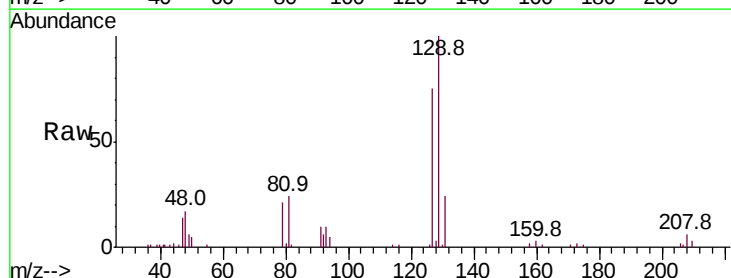
Acq: 7 Sep 2018 13:57

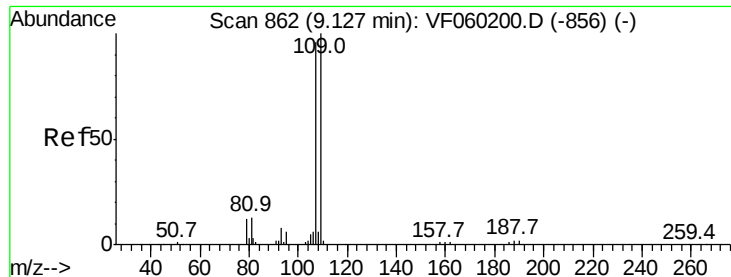
Tgt Ion: 129 Resp: 41259

Ion Ratio Lower Upper

129 100

127 78.4 40.9 122.8





#61

1,2-Dibromoethane

Concen: 19.979 ug/l

RT: 9.15 min Scan# 864

Delta R.T. 0.02 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

Instrument :

MSVOA_F

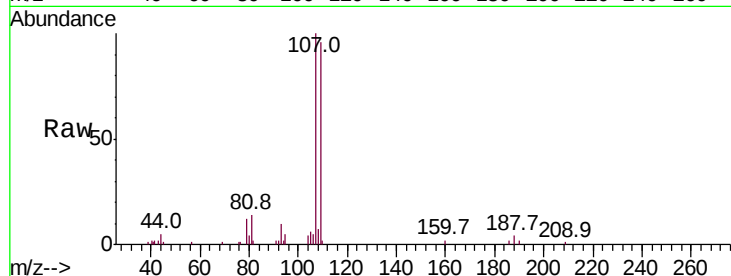
ClientSampled :

Tot Ion:107 Resp: 30716

Ion Ratio Lower Upper

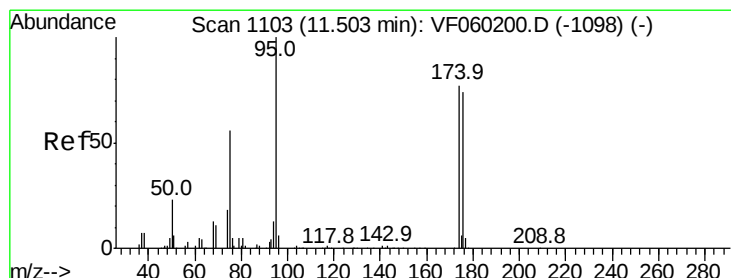
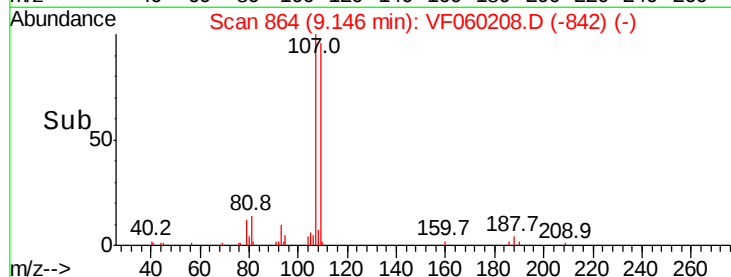
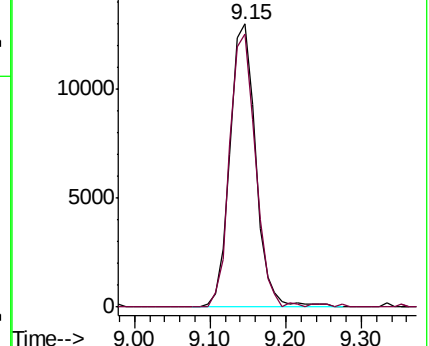
107 100

109 96.5 83.0 124.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 50.781 ug/l

RT: 11.51 min Scan# 1104

Delta R.T. 0.01 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

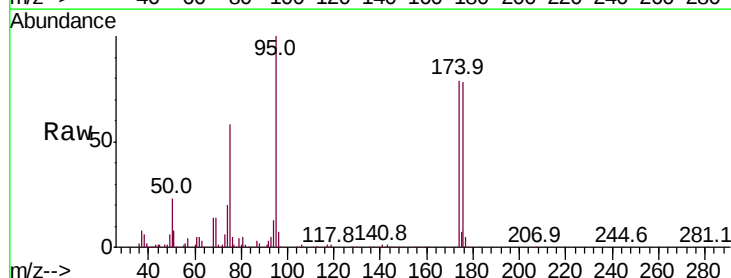
Tgt Ion: 95 Resp: 150318

Ion Ratio Lower Upper

95 100

174 78.9 0.0 153.2

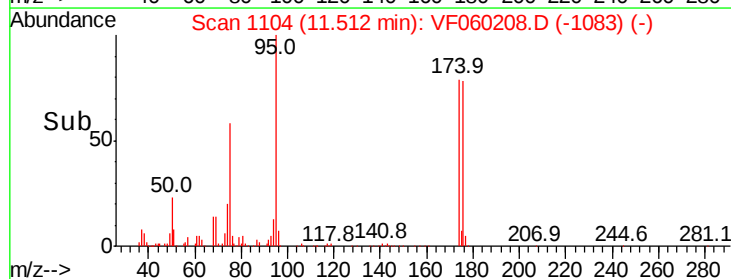
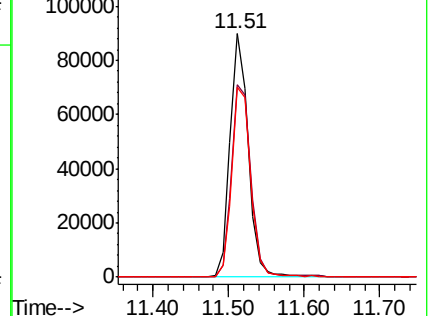
176 78.1 0.0 147.2

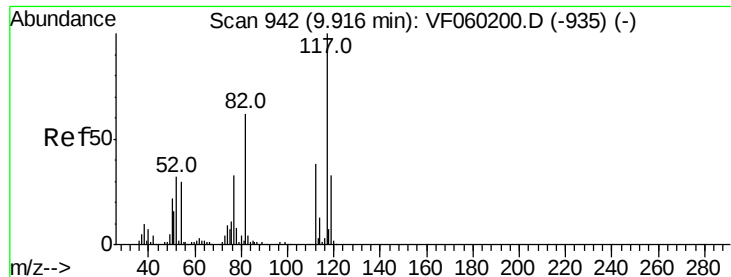


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

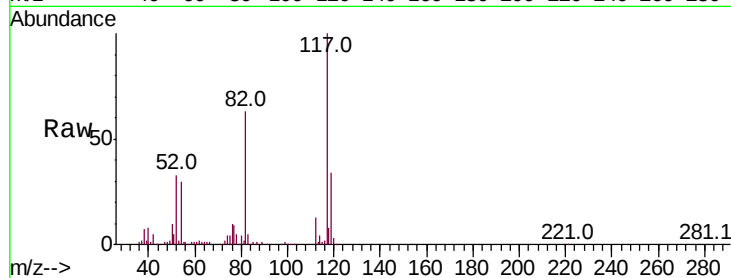




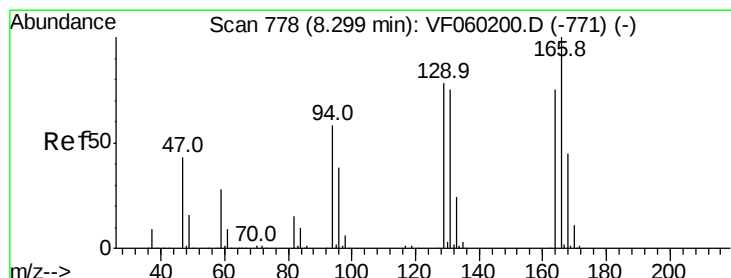
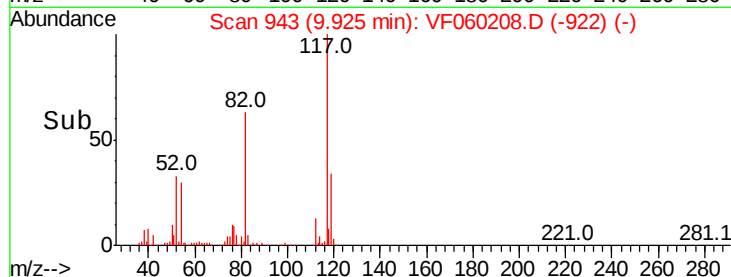
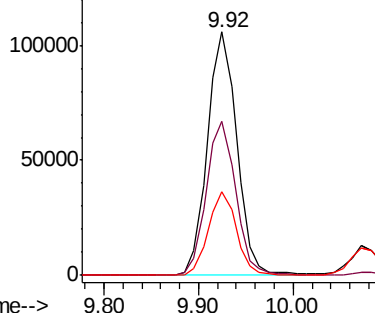
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 943
Delta R.T. 0.01 min
Lab File: VF060208.D
Acq: 7 Sep 2018 13:57

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 228992
Ion Ratio Lower Upper
117 100
82 63.4 49.3 73.9
119 34.5 26.5 39.7

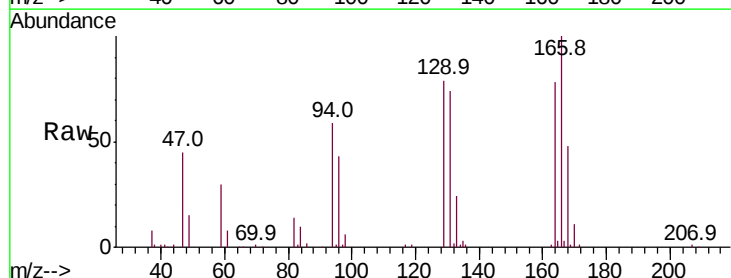


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

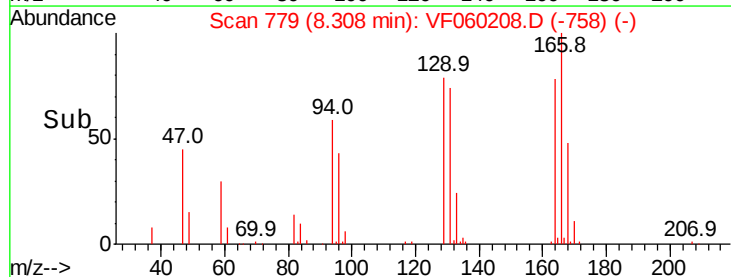
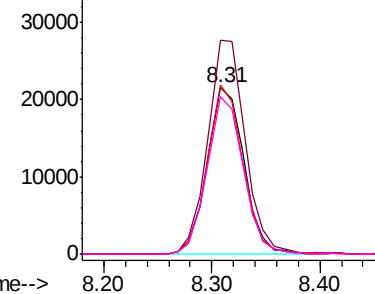


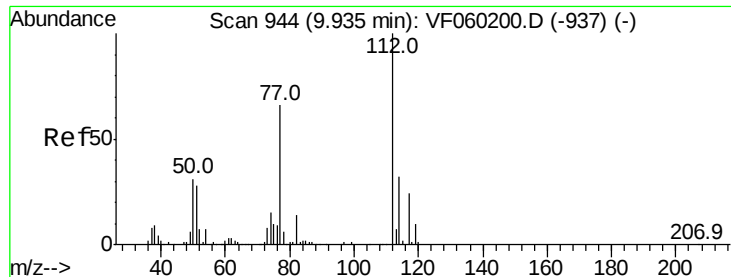
#64
Tetrachloroethene
Concen: 19.242 ug/l
RT: 8.31 min Scan# 779
Delta R.T. 0.01 min
Lab File: VF060208.D
Acq: 7 Sep 2018 13:57

Tgt Ion:164 Resp: 51126
Ion Ratio Lower Upper
164 100
166 128.7 107.0 160.4
129 101.6 83.0 124.6
131 95.1 79.8 119.8



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 21.244 ug/l

RT: 9.94 min Scan# 945

Delta R.T. 0.01 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

Instrument :

MSVOA_F

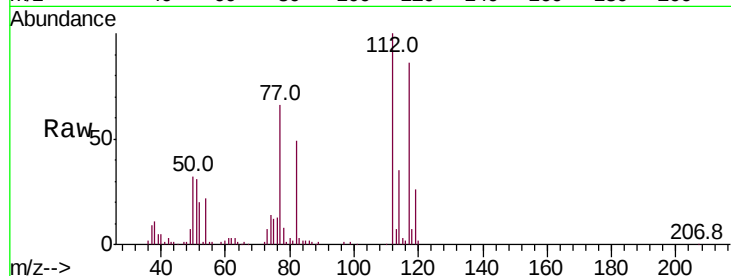
ClientSampleId :

Tot Ion:112 Resp: 100691

Ion Ratio Lower Upper

112 100

114 35.5 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

9.94

50000

40000

30000

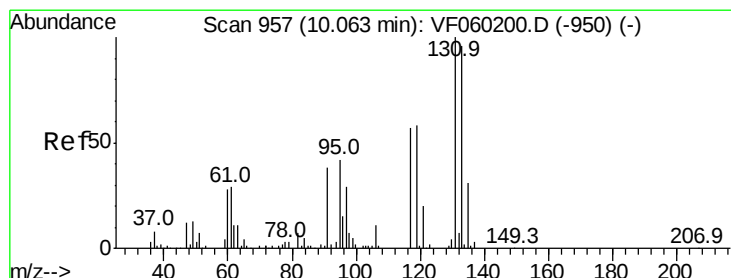
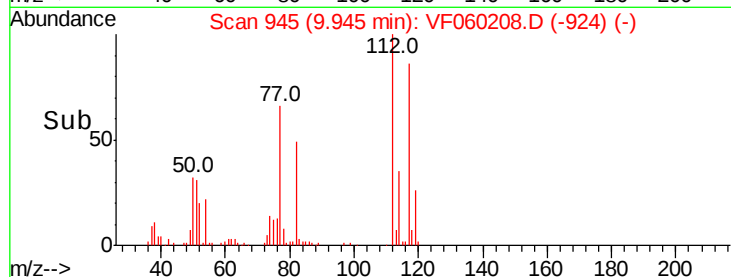
20000

10000

0

Time-->

9.90 10.00



#66

1,1,1,2-Tetrachloroethane

Concen: 19.767 ug/l

RT: 10.07 min Scan# 958

Delta R.T. 0.01 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

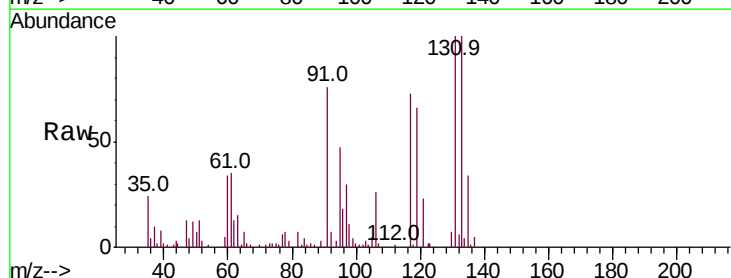
Tgt Ion:131 Resp: 41524

Ion Ratio Lower Upper

131 100

133 99.8 47.9 143.8

119 65.8 29.0 87.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

10.07

20000

15000

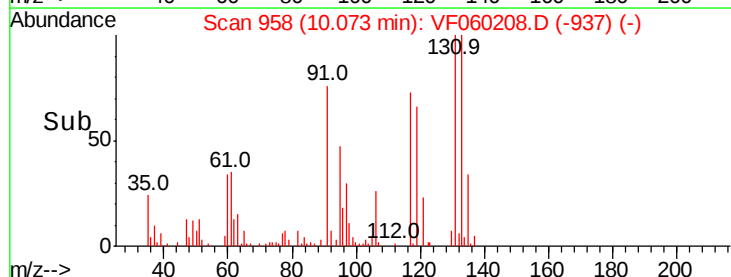
10000

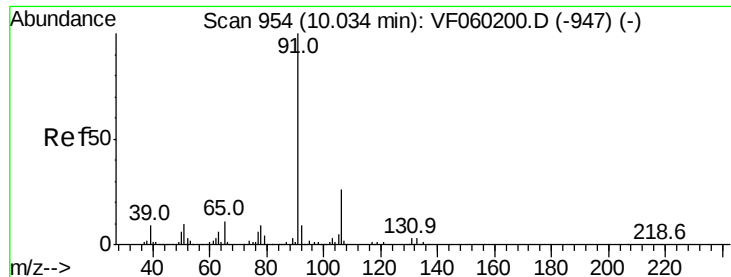
5000

0

Time-->

10.00 10.10





#67

Ethyl Benzene

Concen: 20.945 ug/l

RT: 10.04 min Scan# 955

Delta R.T. 0.01 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

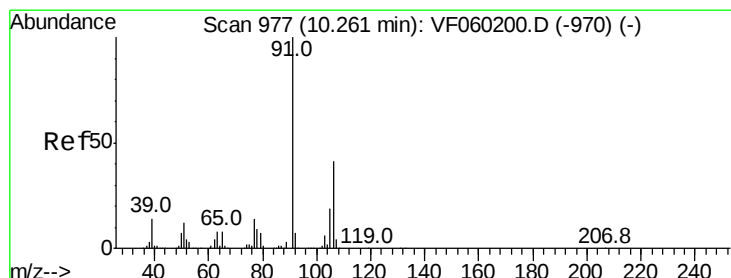
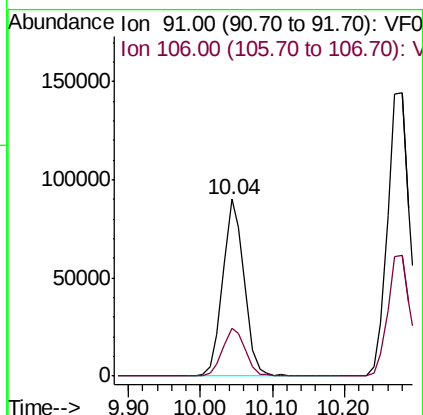
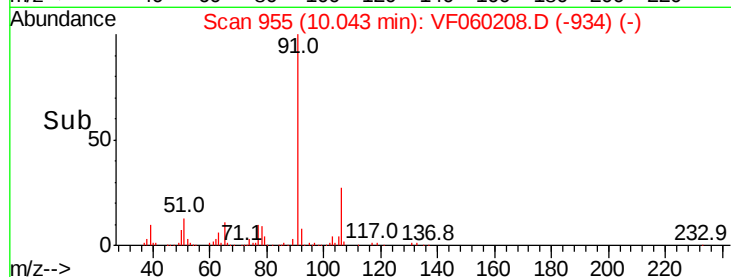
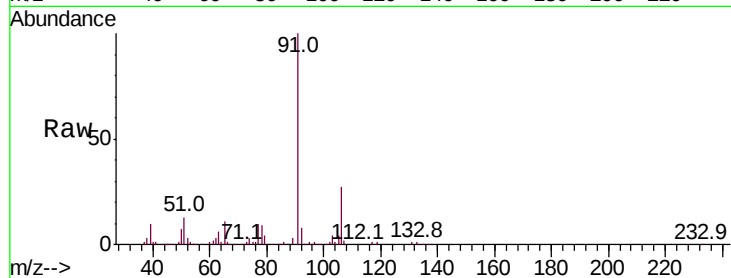
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 91 Resp: 185206

Ion Ratio Lower Upper

91 100

106 26.7 21.1 31.7



#68

m/p-Xylenes

Concen: 45.295 ug/l

RT: 10.28 min Scan# 979

Delta R.T. 0.02 min

Lab File: VF060208.D

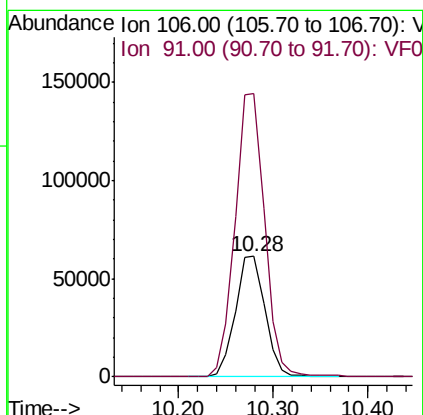
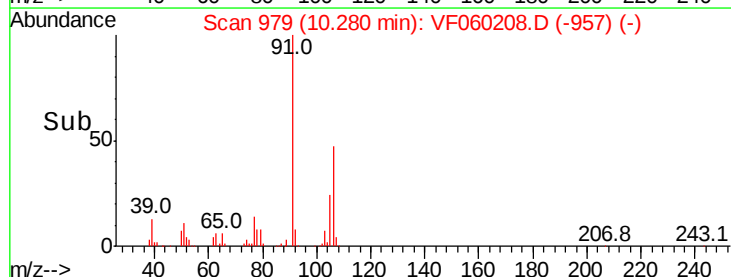
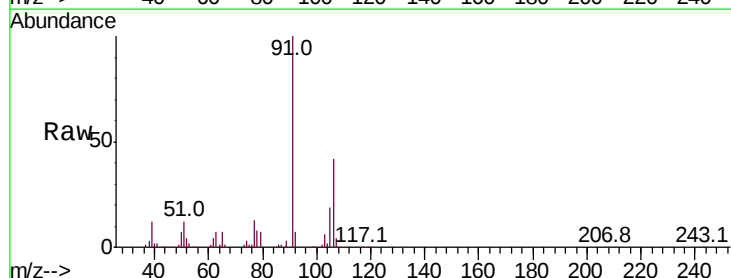
Acq: 7 Sep 2018 13:57

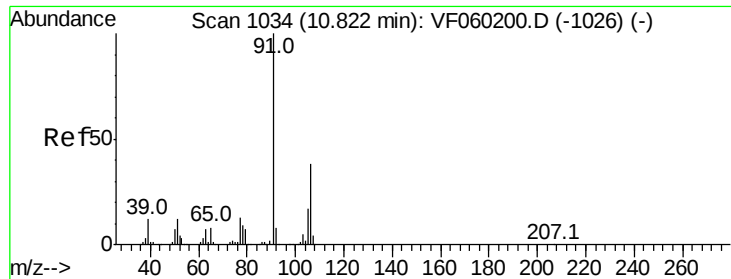
Tgt Ion:106 Resp: 134387

Ion Ratio Lower Upper

106 100

91 235.4 194.6 291.8

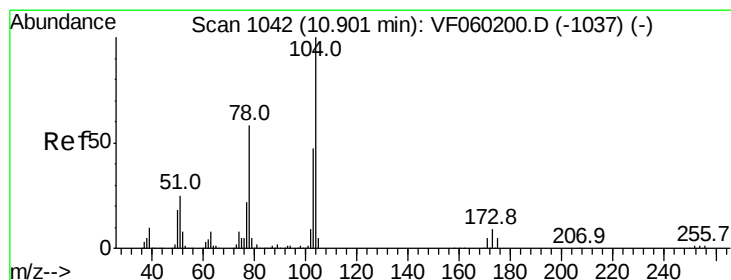
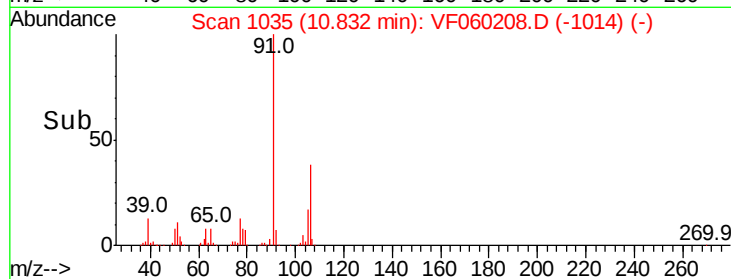
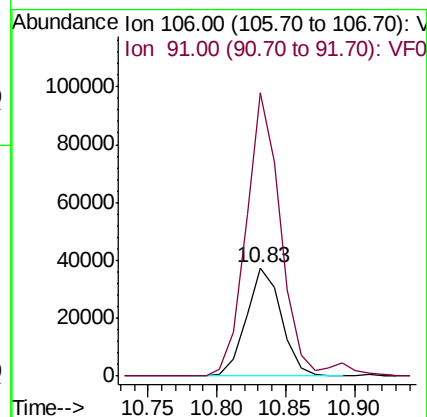
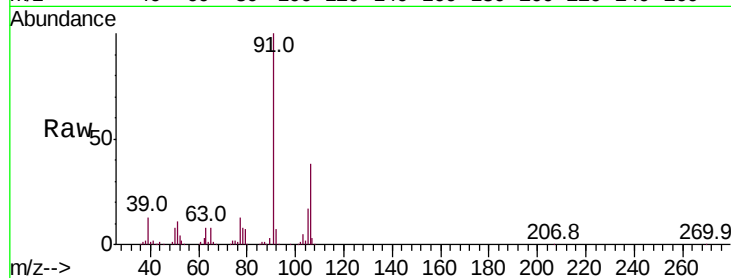




#69
o-Xylene
Concen: 21.030 ug/l
RT: 10.83 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VF060208.D
Acq: 7 Sep 2018 13:57

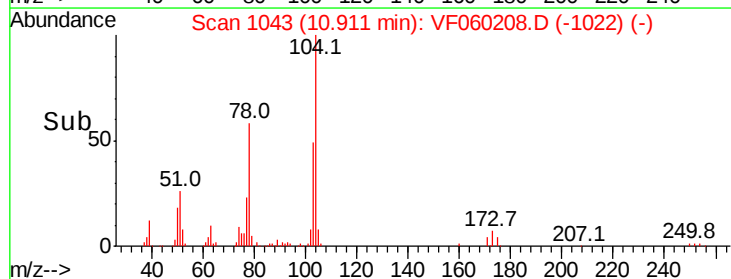
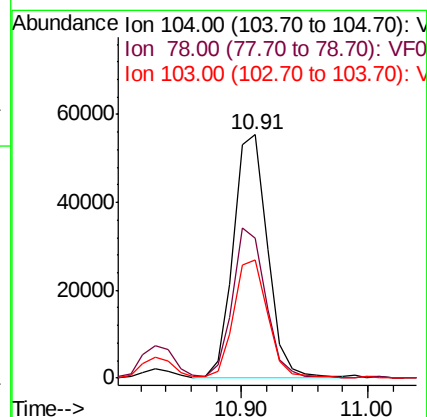
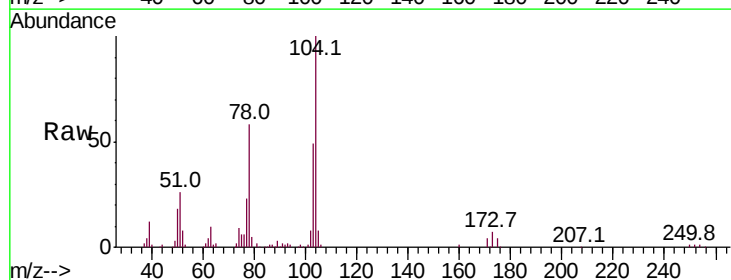
Instrument :
MSVOA_F
ClientSampled :

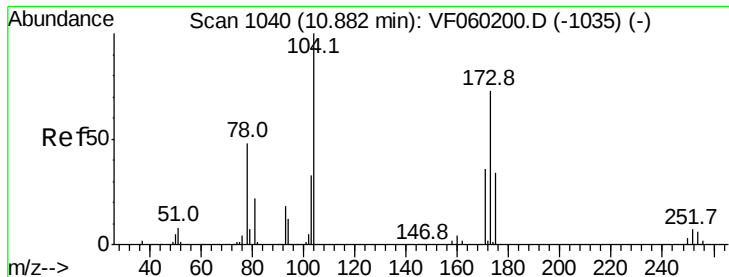
Tot Ion:106 Resp: 66555
Ion Ratio Lower Upper
106 100
91 261.3 130.5 391.5



#70
Styrene
Concen: 21.480 ug/l
RT: 10.91 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VF060208.D
Acq: 7 Sep 2018 13:57

Tgt Ion:104 Resp: 103040
Ion Ratio Lower Upper
104 100
78 57.7 47.1 70.7
103 48.7 38.6 57.8





#71

Bromoform

Concen: 17.550 ug/l

RT: 10.89 min Scan# 1041

Delta R.T. 0.01 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

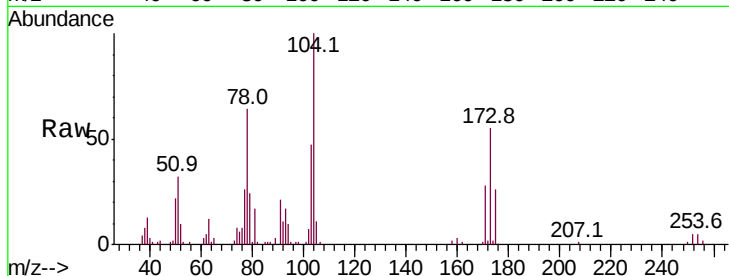
Tot Ion:173 Resp: 21285

Ion Ratio Lower Upper

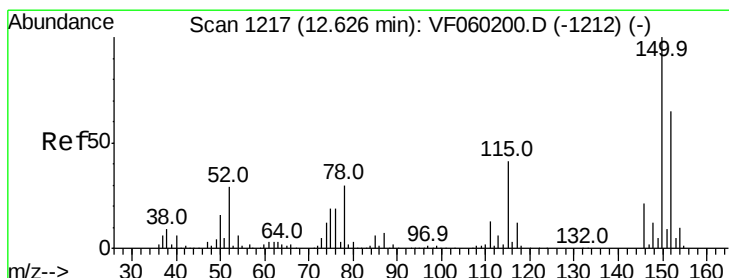
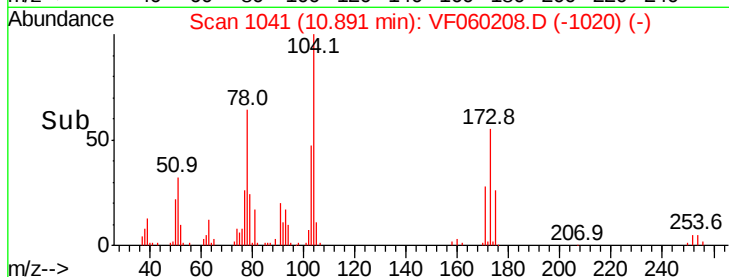
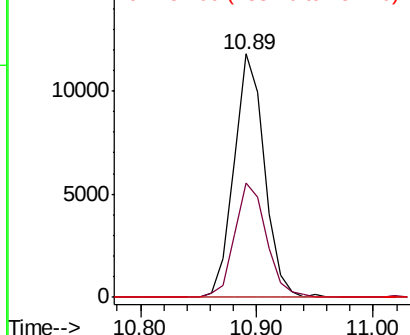
173 100

175 48.1 23.1 69.3

254 0.0 0.2 0.4#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.64 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

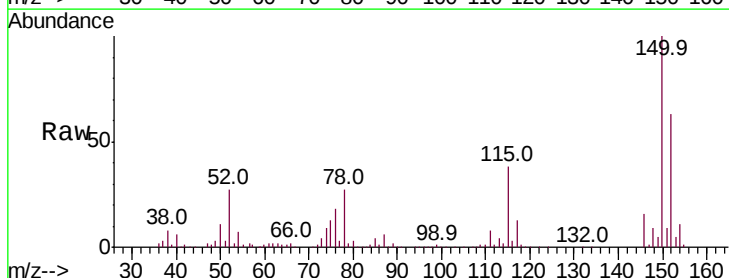
Tgt Ion:152 Resp: 145896

Ion Ratio Lower Upper

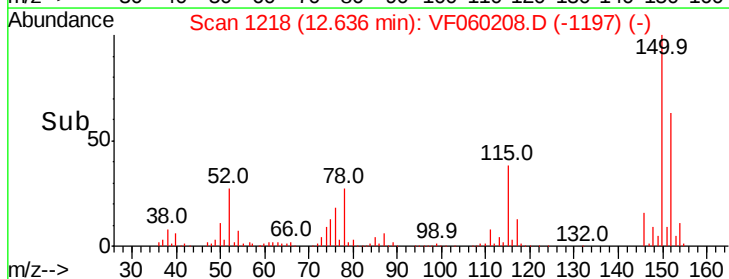
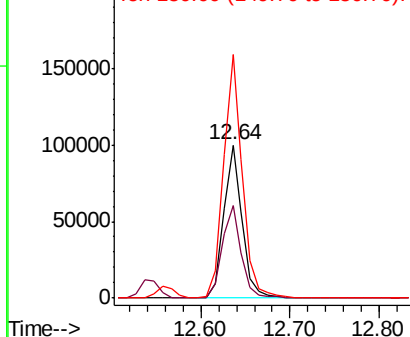
152 100

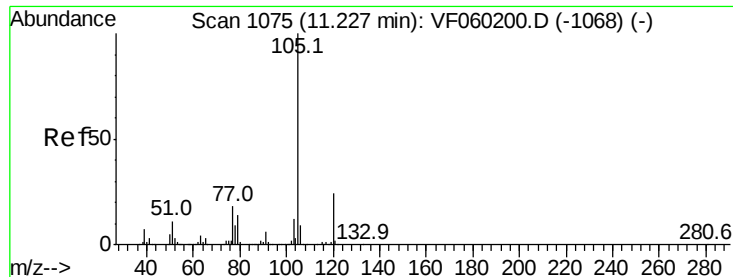
115 60.7 31.5 94.5

150 158.9 0.0 310.4



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 21.775 ug/l

RT: 11.24 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

Instrument :

MSVOA_F

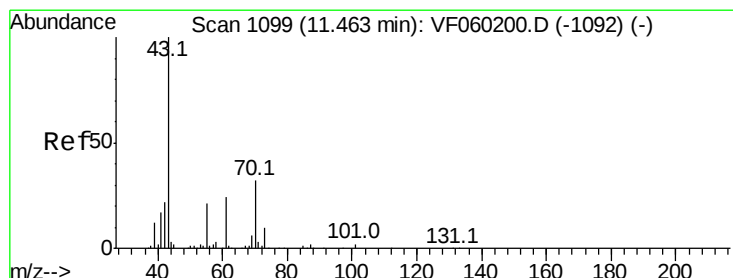
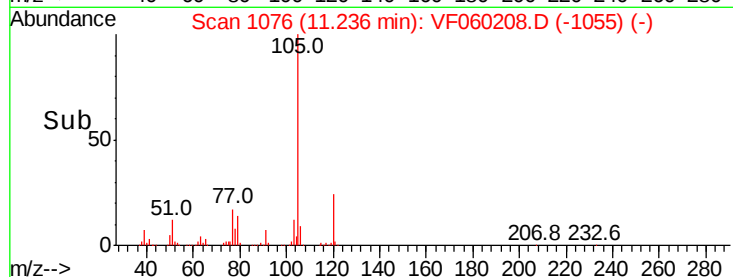
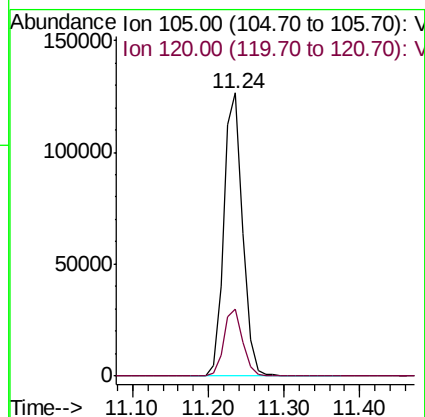
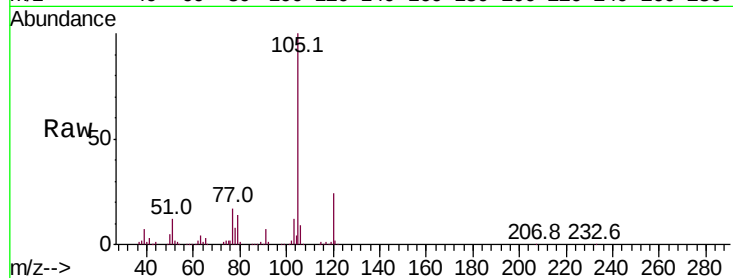
ClientSampleId :

Tot Ion:105 Resp: 219136

Ion Ratio Lower Upper

105 100

120 23.5 11.8 35.3



#74

N-ethyl acetate

Concen: 20.065 ug/l

RT: 11.47 min Scan# 1100

Delta R.T. 0.01 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

Tgt Ion: 43 Resp: 33844

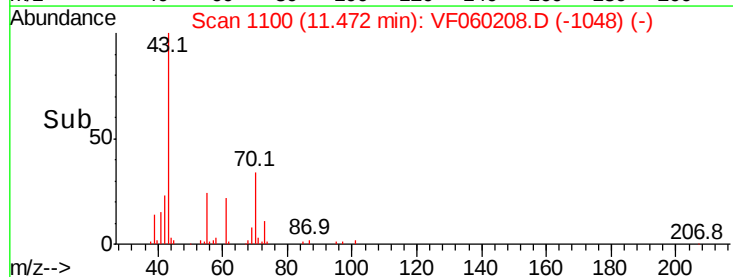
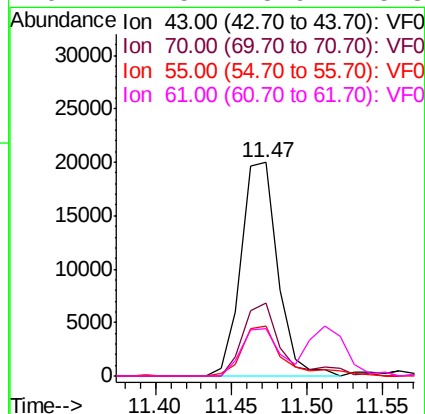
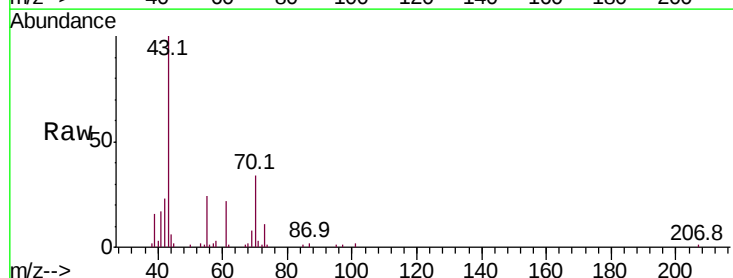
Ion Ratio Lower Upper

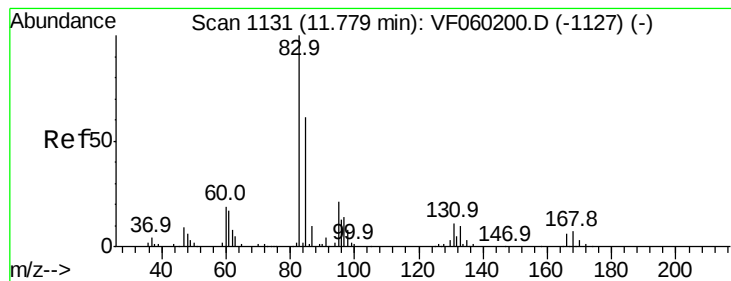
43 100

70 34.1 25.8 38.6

55 23.7 16.8 25.2

61 22.5 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 21.065 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

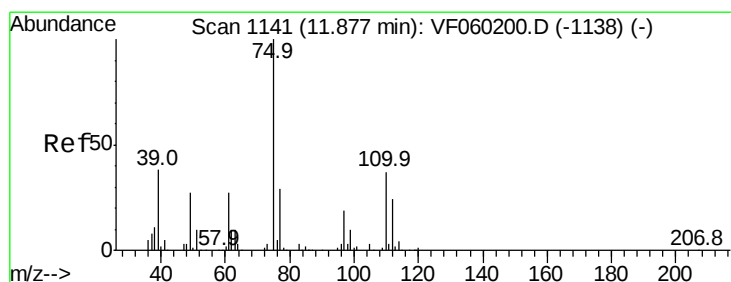
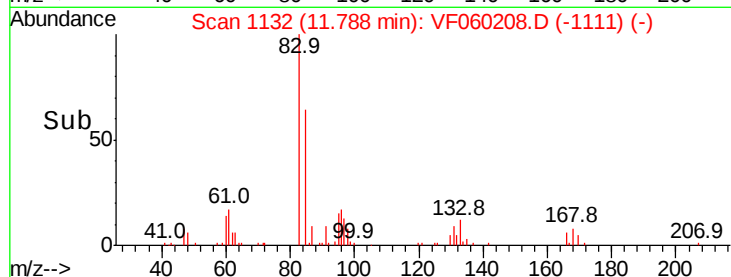
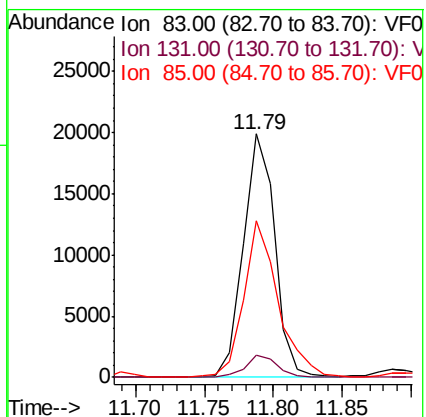
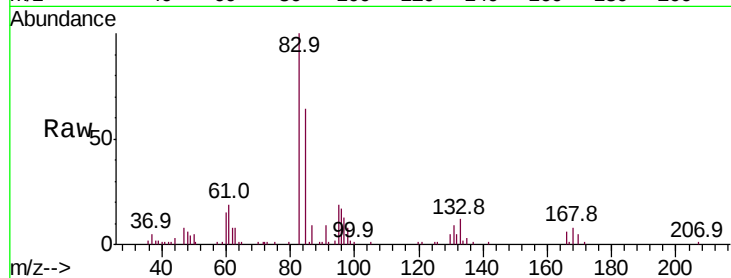
Tot Ion: 83 Resp: 31879

Ion Ratio Lower Upper

83 100

131 9.2 5.5 16.4

85 64.5 31.1 93.5



#76

1,2,3-Trichloropropane

Concen: 19.995 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VF060208.D

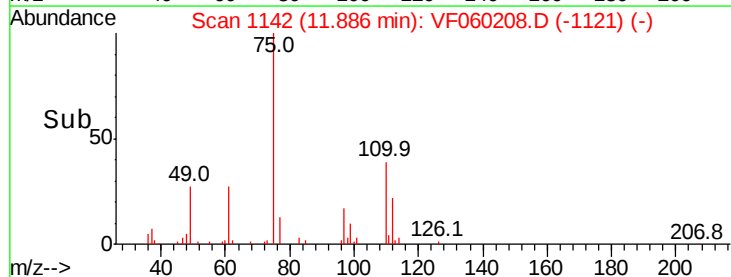
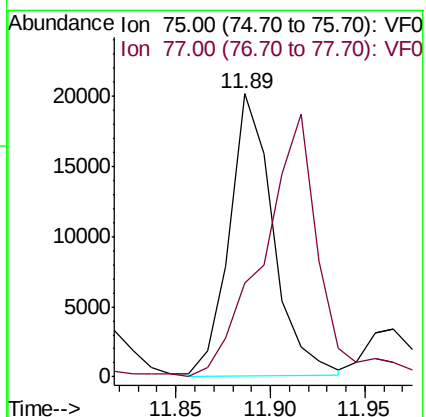
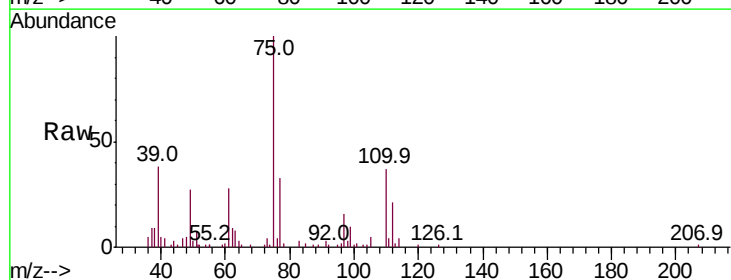
Acq: 7 Sep 2018 13:57

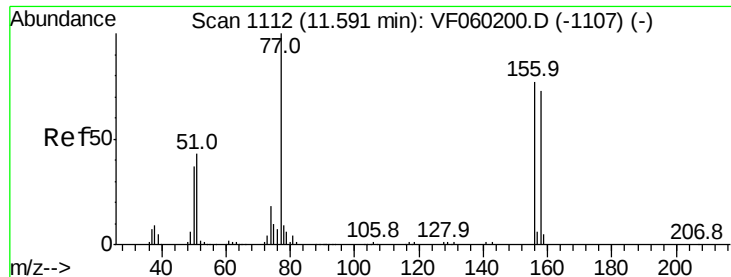
Tgt Ion: 75 Resp: 32065

Ion Ratio Lower Upper

75 100

77 33.2 14.6 43.8





#77

Bromobenzene

Concen: 20.509 ug/l

RT: 11.60 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

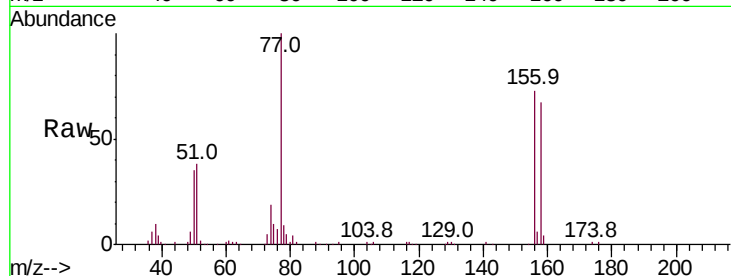
Tot Ion:156 Resp: 54051

Ion Ratio Lower Upper

156 100

77 136.9 64.8 194.3

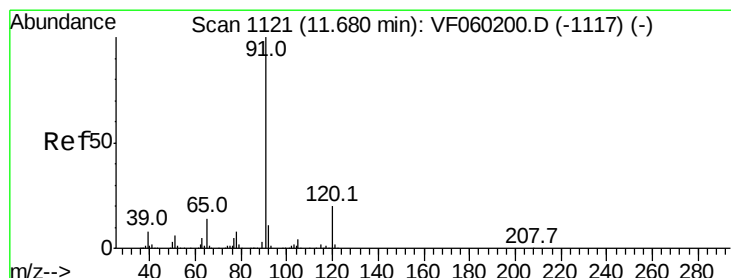
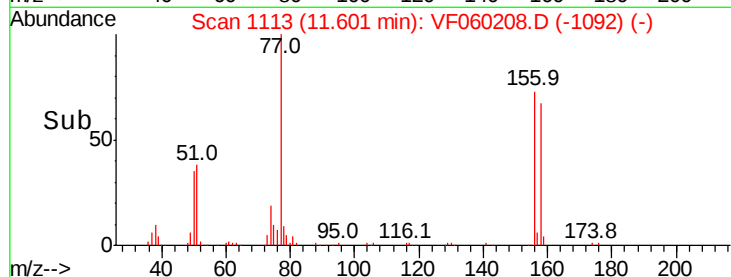
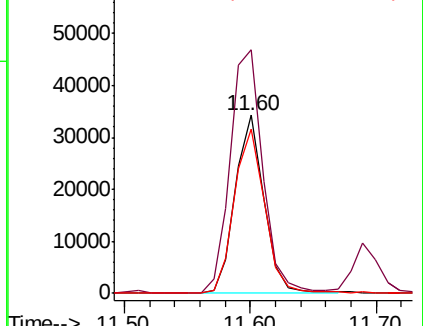
158 92.0 47.3 141.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 21.963 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF060208.D

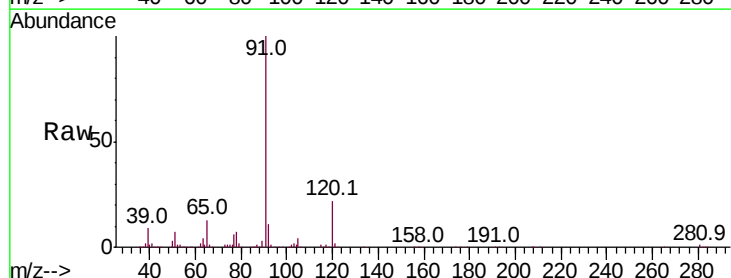
Acq: 7 Sep 2018 13:57

Tgt Ion: 91 Resp: 264857

Ion Ratio Lower Upper

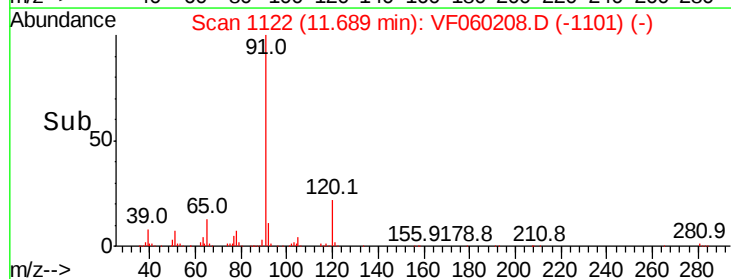
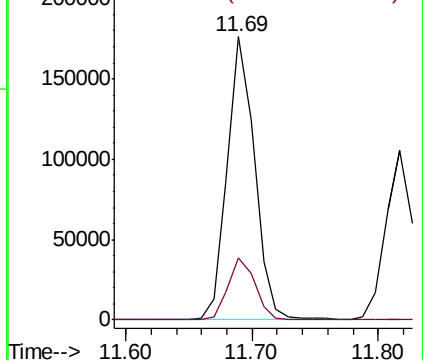
91 100

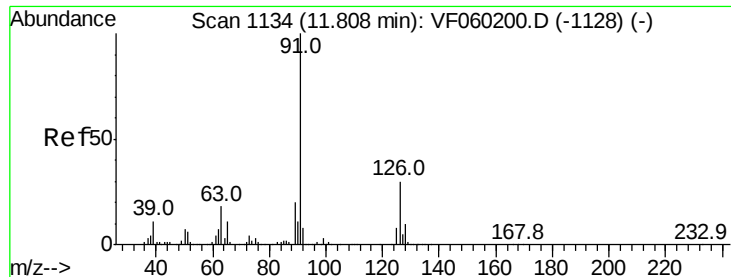
120 22.1 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.903 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. 0.01 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

Instrument :

MSVOA_F

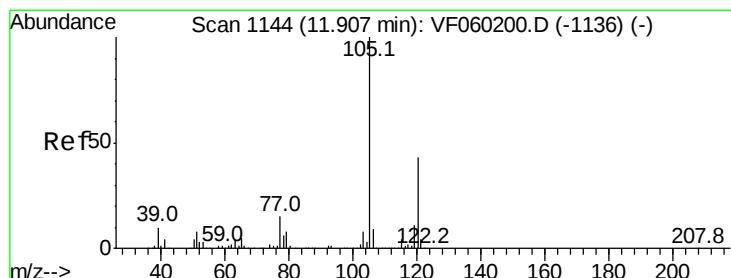
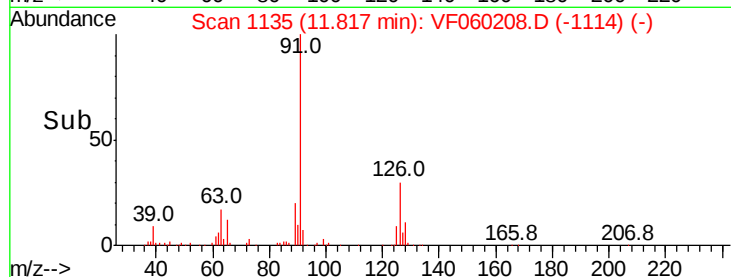
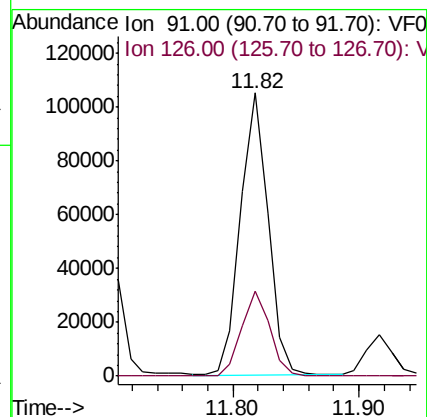
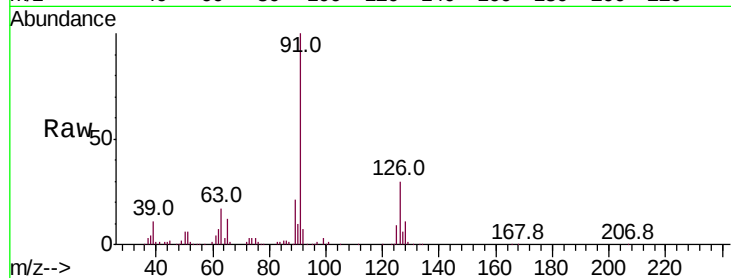
ClientSampleId :

Tot Ion: 91 Resp: 159573

Ion Ratio Lower Upper

91 100

126 30.2 15.2 45.5



#80

1,3,5-Trimethylbenzene

Concen: 21.653 ug/l

RT: 11.92 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VF060208.D

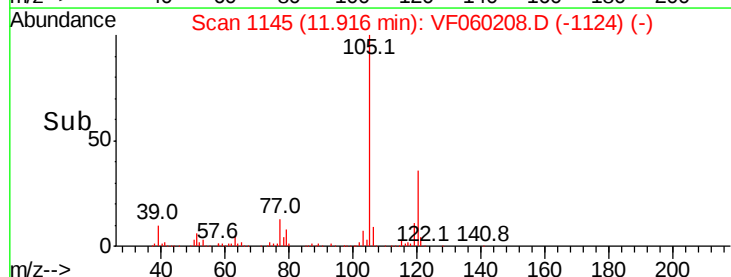
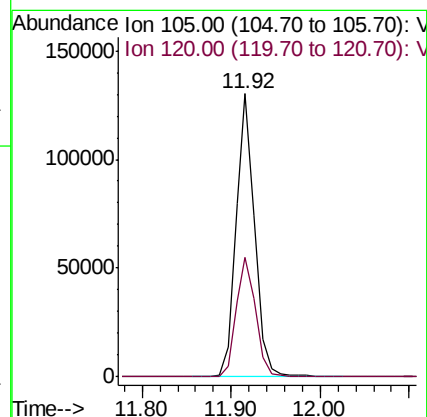
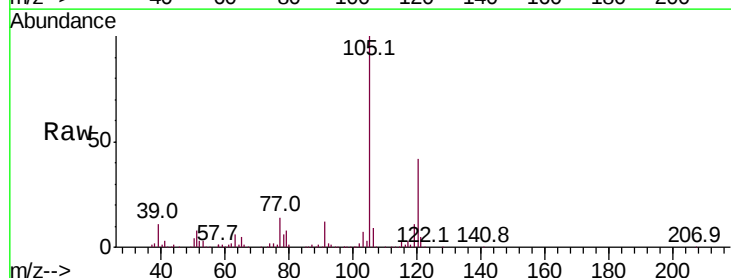
Acq: 7 Sep 2018 13:57

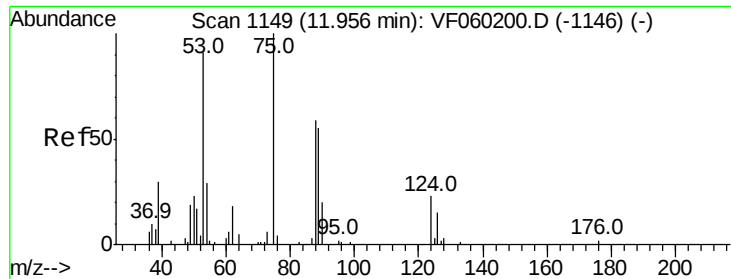
Tgt Ion: 105 Resp: 192361

Ion Ratio Lower Upper

105 100

120 42.4 21.6 64.8





#81

trans-1,4-Dichloro-2-butene

Concen: 16.905 ug/l

RT: 11.97 min Scan# 1150

Delta R.T. 0.01 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

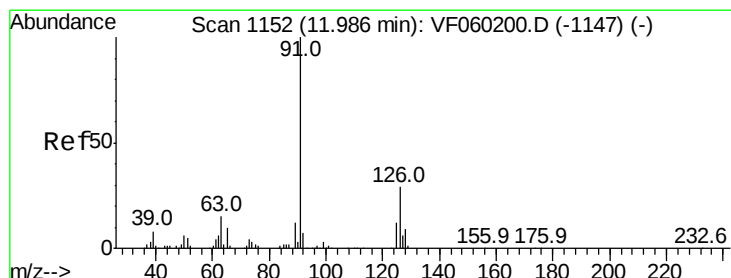
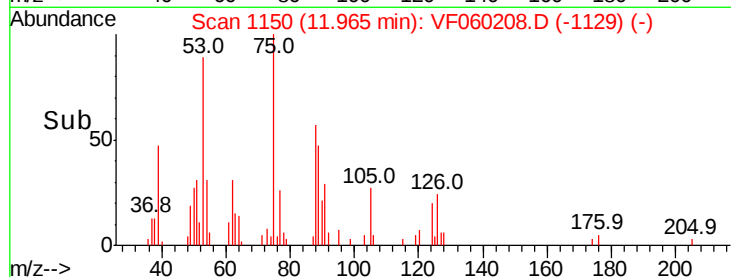
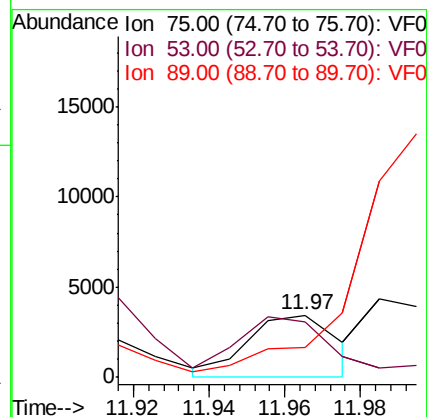
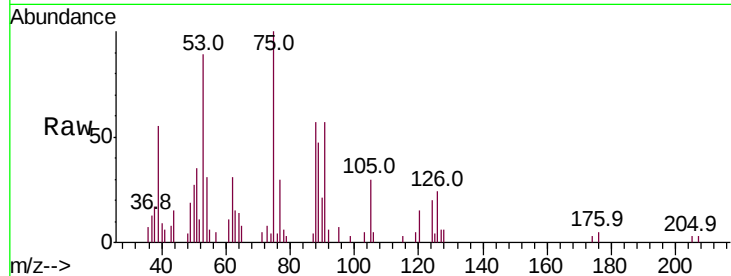
Tot Ion: 75 Resp: 5668

Ion Ratio Lower Upper

75 100

53 88.9 76.5 114.7

89 47.3 46.5 69.7



#82

4-Chlorotoluene

Concen: 21.909 ug/l

RT: 11.99 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF060208.D

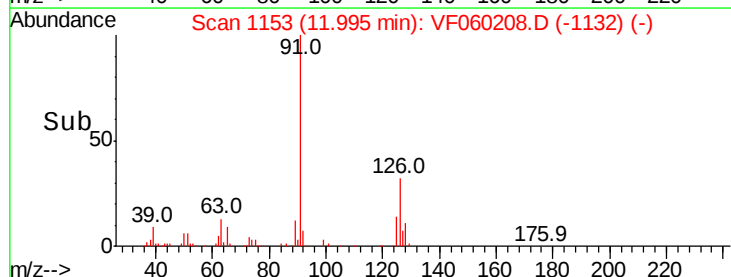
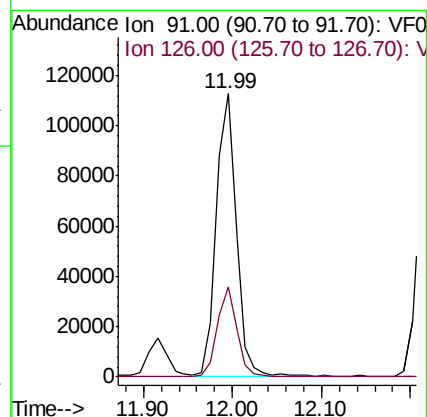
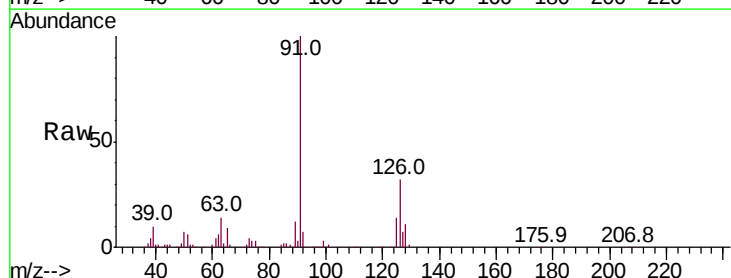
Acq: 7 Sep 2018 13:57

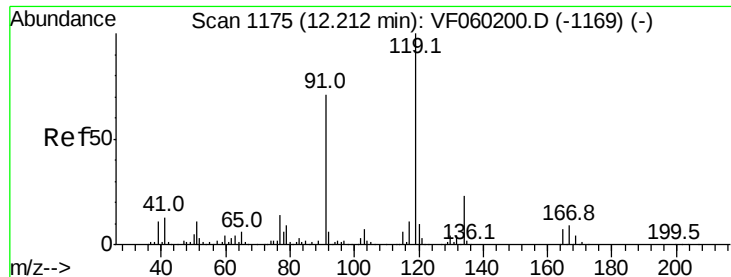
Tgt Ion: 91 Resp: 177137

Ion Ratio Lower Upper

91 100

126 31.9 14.4 43.4

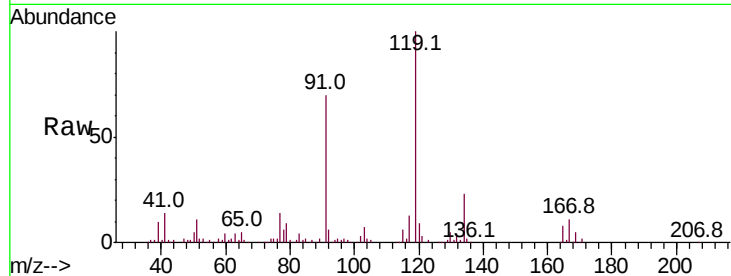




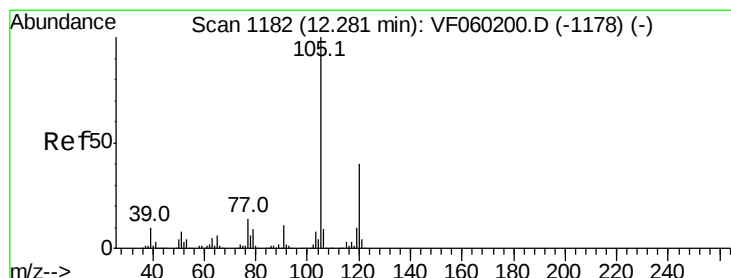
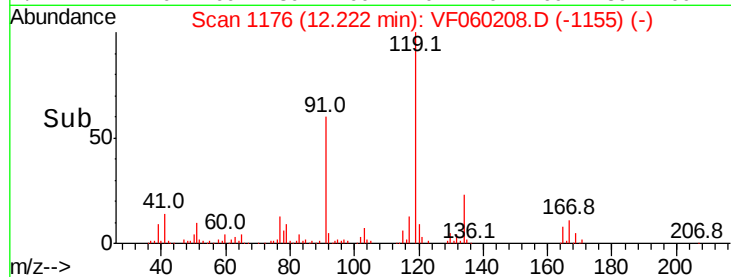
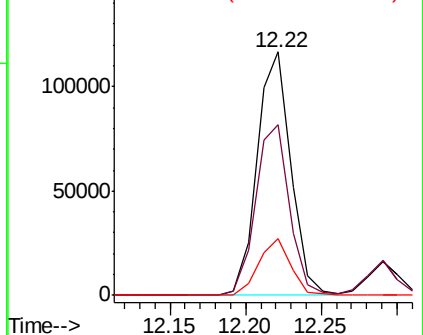
#83
tert-Butylbenzene
Concen: 22.502 ug/l
RT: 12.22 min Scan# 1176
Delta R.T. 0.01 min
Lab File: VF060208.D
Acq: 7 Sep 2018 13:57

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:119 Resp: 182159
Ion Ratio Lower Upper
119 100
91 70.0 35.8 107.4
134 23.4 11.6 34.7

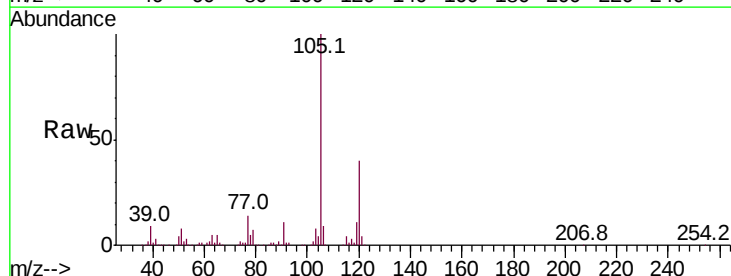


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

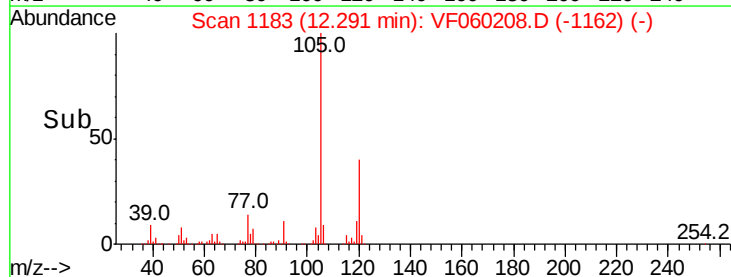
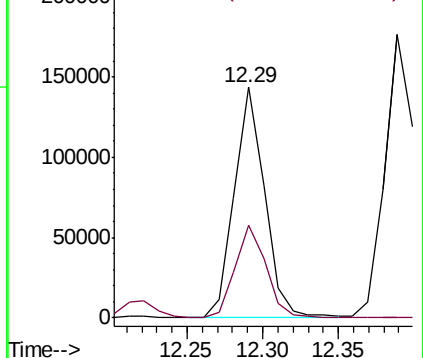


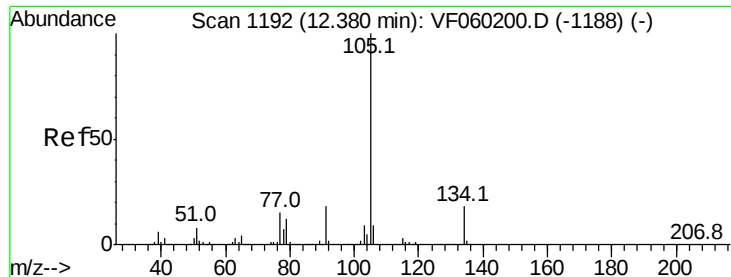
#84
1,2,4-Trimethylbenzene
Concen: 22.208 ug/l
RT: 12.29 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VF060208.D
Acq: 7 Sep 2018 13:57

Tgt Ion:105 Resp: 200426
Ion Ratio Lower Upper
105 100
120 40.1 20.2 60.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

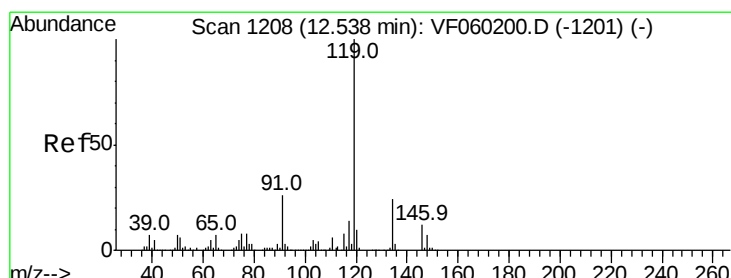
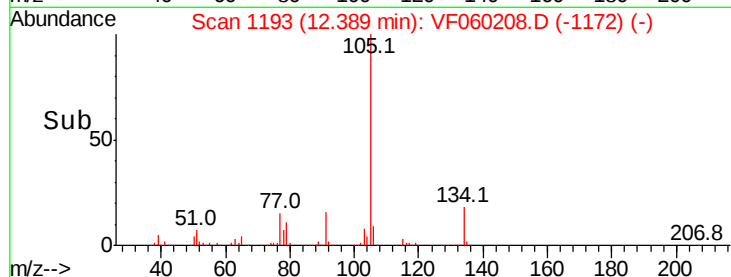
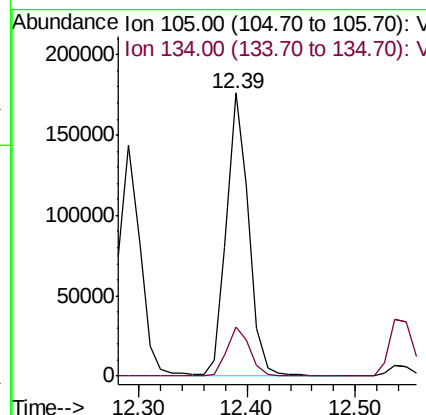
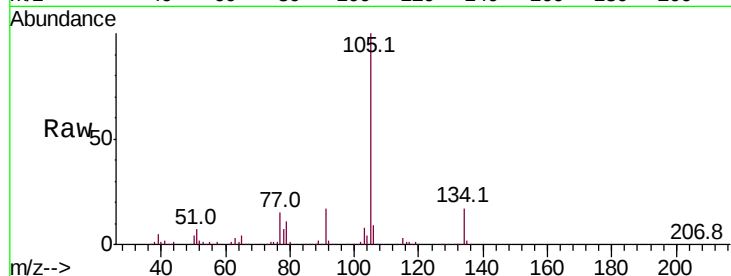




#85
 sec-Butylbenzene
 Concen: 22.496 ug/l
 RT: 12.39 min Scan# 1193
 Delta R.T. 0.01 min
 Lab File: VF060208.D
 Acq: 7 Sep 2018 13:57

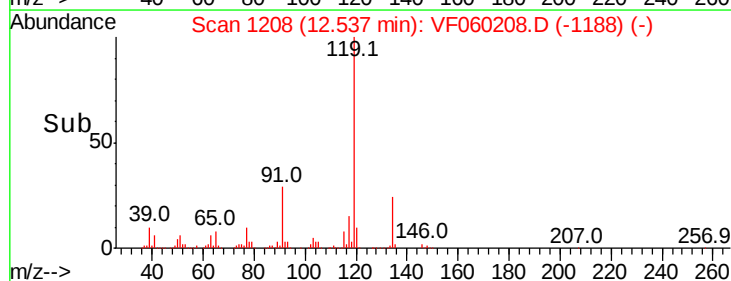
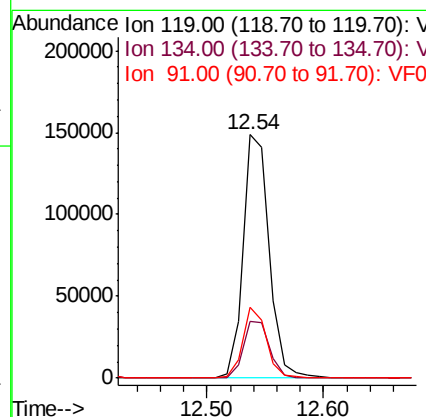
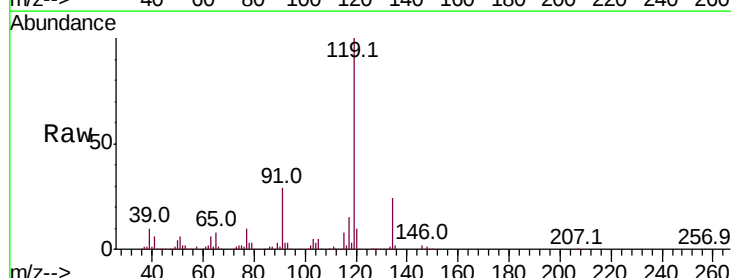
Instrument :
 MSVOA_F
 ClientSampled :

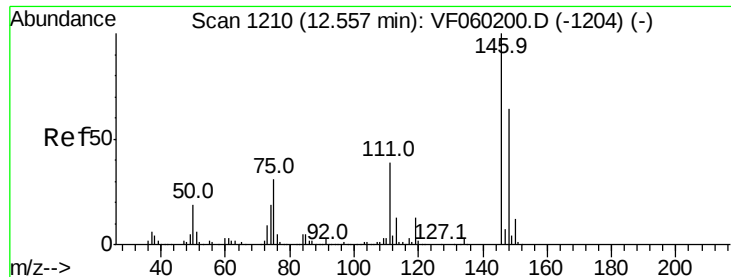
Tot Ion:105 Resp: 251220
 Ion Ratio Lower Upper
 105 100
 134 17.5 8.8 26.5



#86
 p-Isopropyltoluene
 Concen: 23.154 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. -0.00 min
 Lab File: VF060208.D
 Acq: 7 Sep 2018 13:57

Tgt Ion:119 Resp: 229605
 Ion Ratio Lower Upper
 119 100
 134 23.6 12.0 36.0
 91 28.9 12.9 38.7

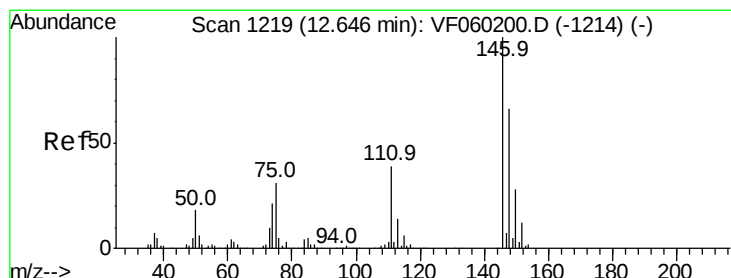
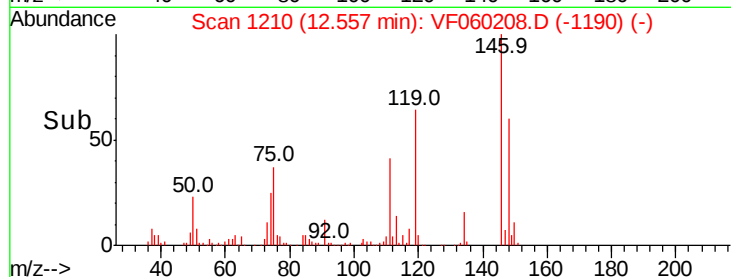
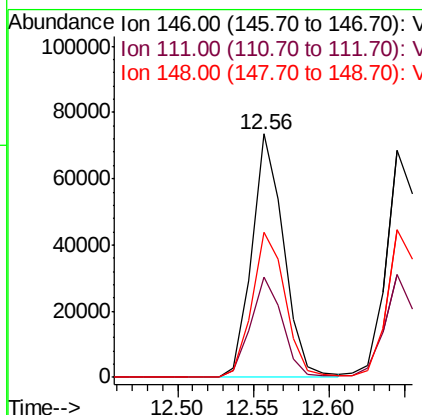
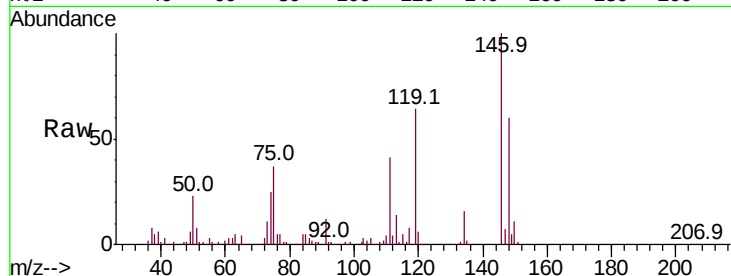




#87
 1,3-Dichlorobenzene
 Concen: 22.412 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF060208.D
 Acq: 7 Sep 2018 13:57

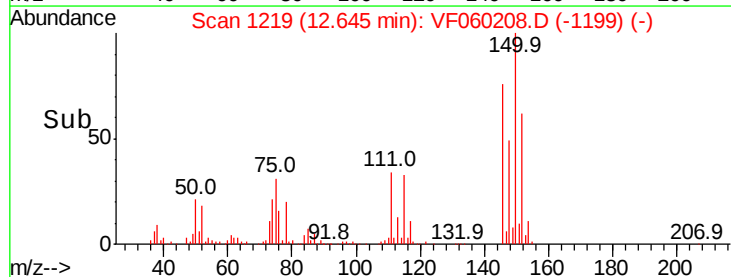
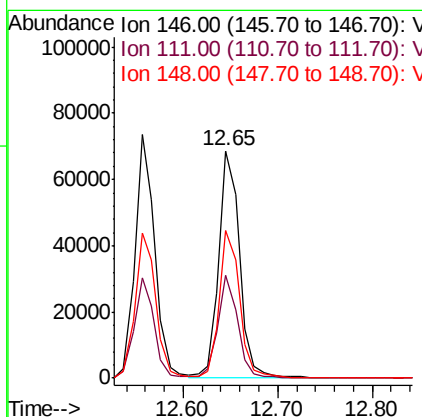
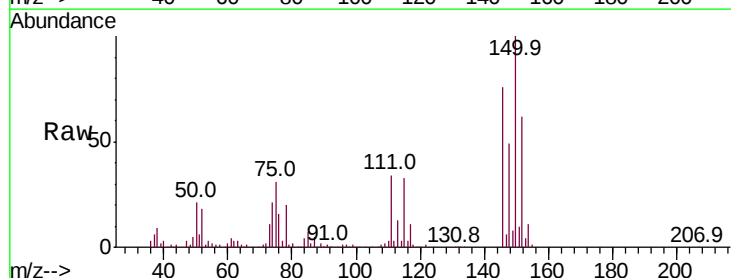
Instrument :
 MSVOA_F
 ClientSampleId :

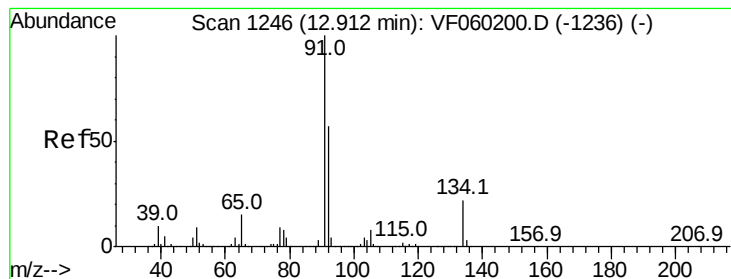
Tot Ion:146 Resp: 107932
 Ion Ratio Lower Upper
 146 100
 111 41.4 19.7 59.1
 148 59.7 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 21.996 ug/l
 RT: 12.65 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF060208.D
 Acq: 7 Sep 2018 13:57

Tgt Ion:146 Resp: 104833
 Ion Ratio Lower Upper
 146 100
 111 45.2 19.7 59.1
 148 64.8 33.1 99.5





#89

n-Butylbenzene

Concen: 23.007 ug/l

RT: 12.92 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

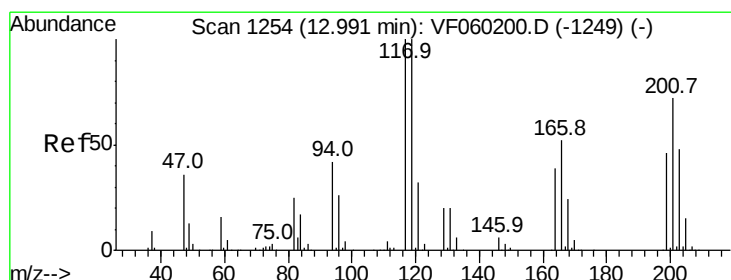
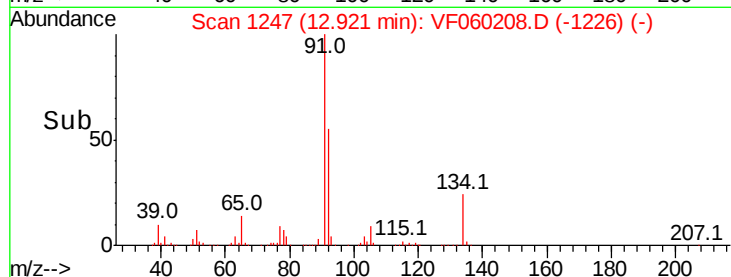
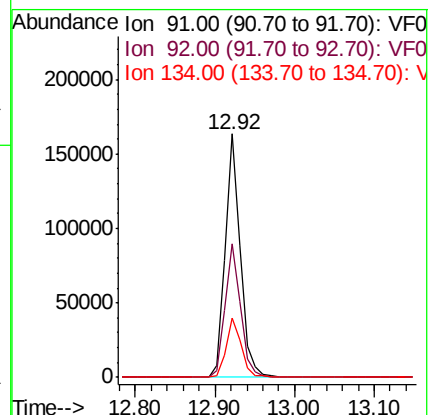
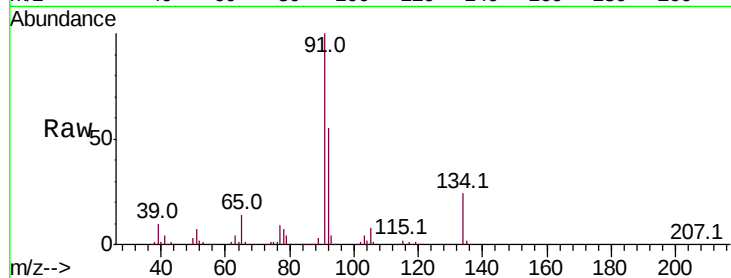
Tot Ion: 91 Resp: 220658

Ion Ratio Lower Upper

91 100

92 54.9 28.4 85.3

134 24.3 11.1 33.3



#90

Hexachloroethane

Concen: 20.995 ug/l

RT: 13.00 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VF060208.D

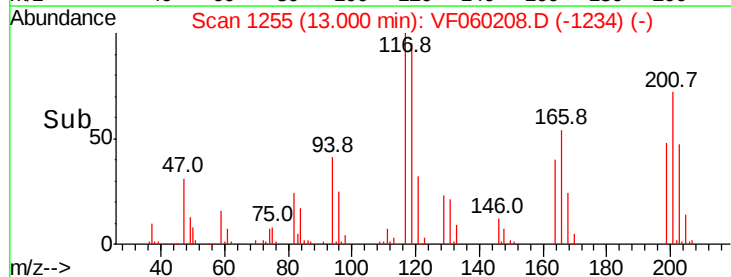
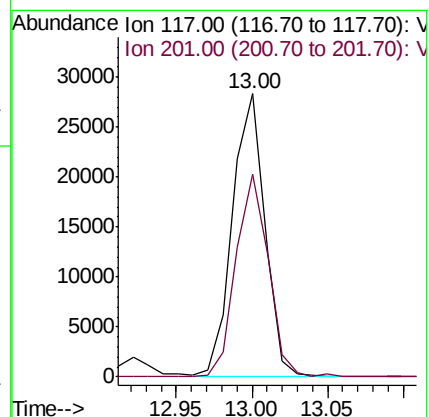
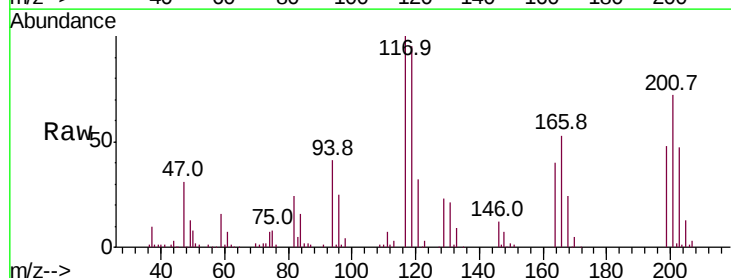
Acq: 7 Sep 2018 13:57

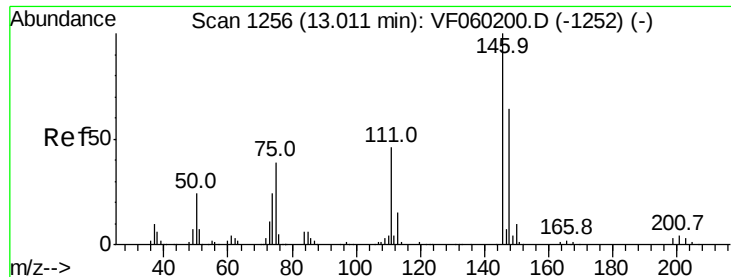
Tgt Ion: 117 Resp: 42205

Ion Ratio Lower Upper

117 100

201 71.6 35.7 107.1





#91

1,2-Dichlorobenzene

Concen: 21.499 ug/l

RT: 13.02 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

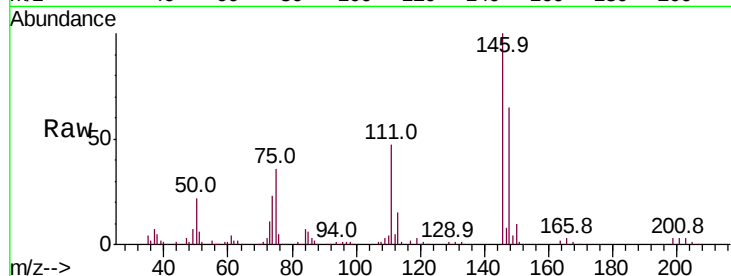
Tot Ion:146 Resp: 98299

Ion Ratio Lower Upper

146 100

111 47.3 23.0 69.0

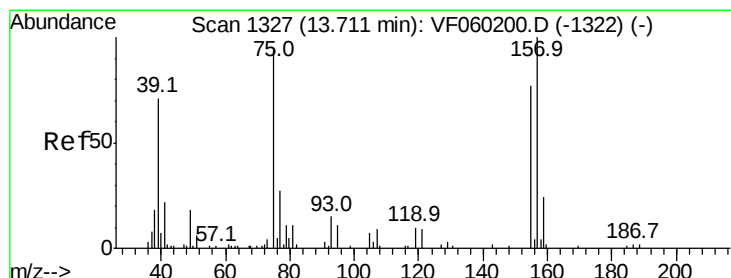
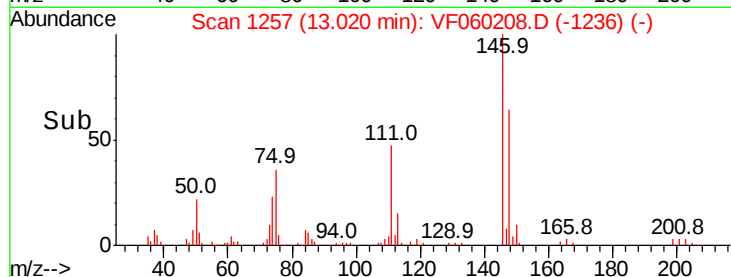
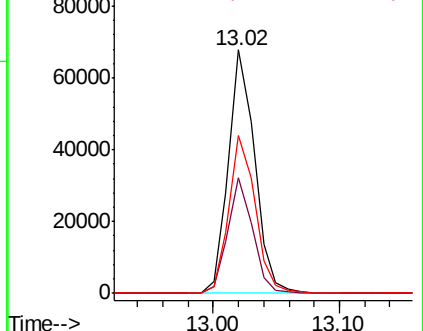
148 64.6 32.2 96.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.321 ug/l

RT: 13.72 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

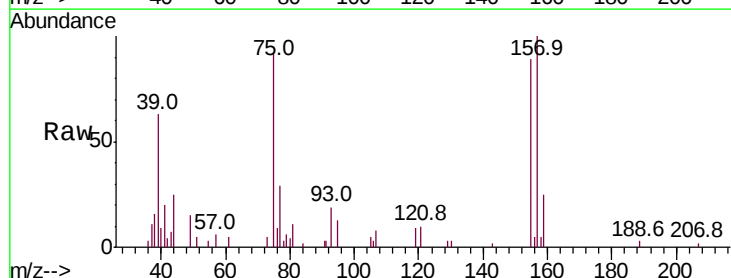
Tgt Ion: 75 Resp: 7075

Ion Ratio Lower Upper

75 100

155 96.0 40.8 122.5

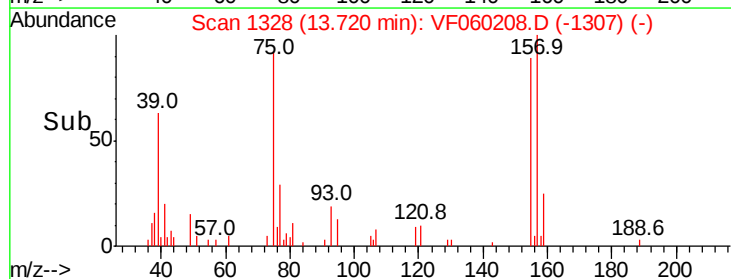
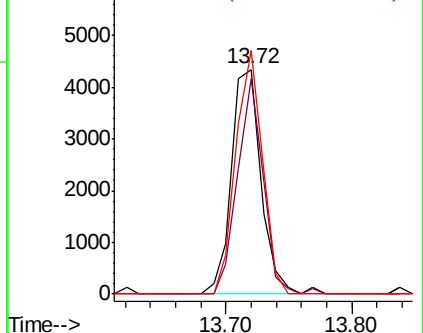
157 108.4 53.3 159.9

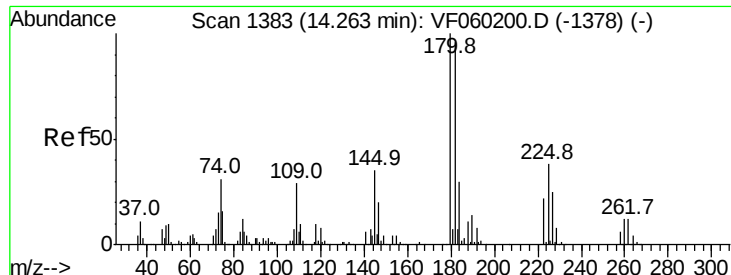


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

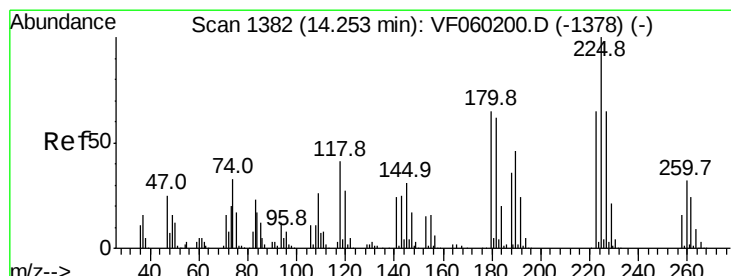
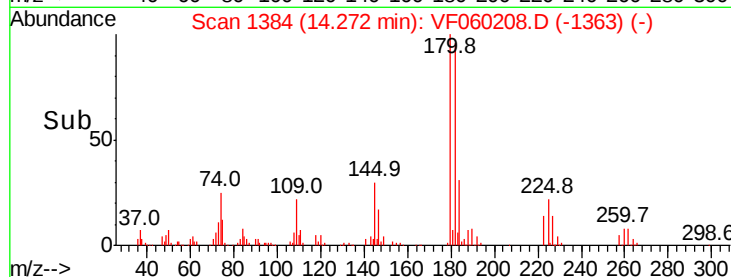
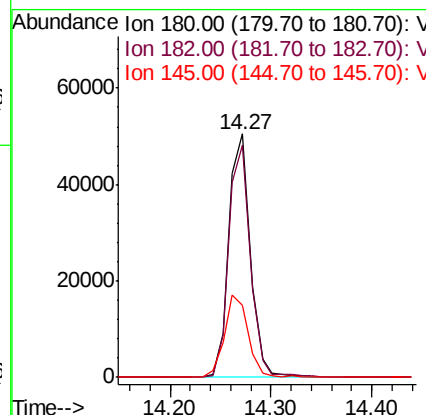
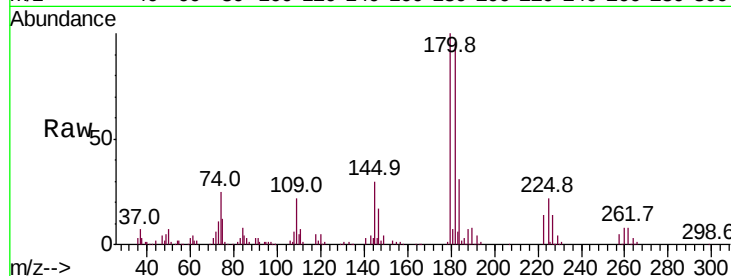




#93
 1,2,4-Trichlorobenzene
 Concen: 21.325 ug/l
 RT: 14.27 min Scan# 1384
 Delta R.T. 0.01 min
 Lab File: VF060208.D
 Acq: 7 Sep 2018 13:57

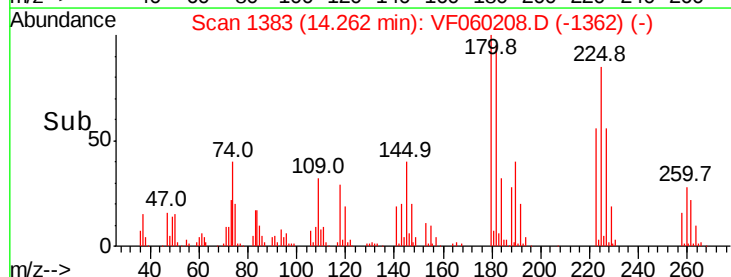
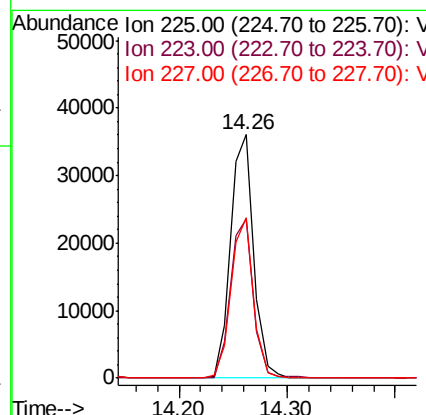
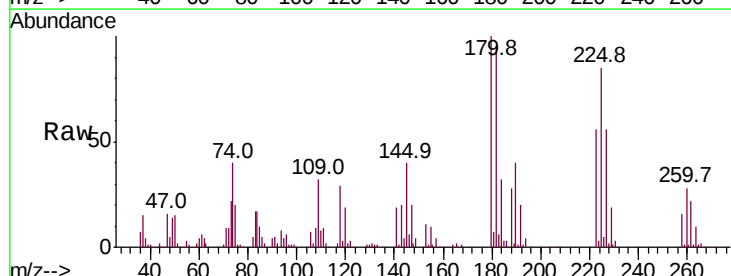
Instrument :
 MSVOA_F
 ClientSampleId :

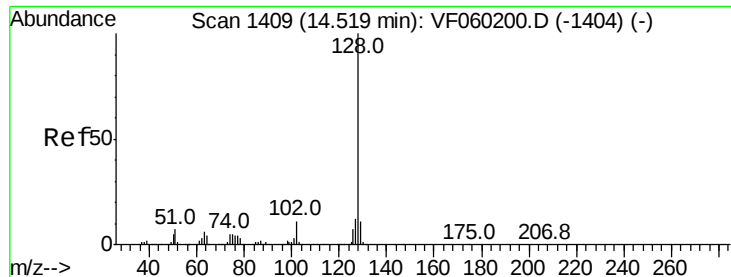
Tot Ion:180 Resp: 75358
 Ion Ratio Lower Upper
 180 100
 182 95.6 48.2 144.6
 145 29.6 17.4 52.2



#94
 Hexachlorobutadiene
 Concen: 21.300 ug/l
 RT: 14.26 min Scan# 1383
 Delta R.T. 0.01 min
 Lab File: VF060208.D
 Acq: 7 Sep 2018 13:57

Tgt Ion:225 Resp: 53644
 Ion Ratio Lower Upper
 225 100
 223 65.3 32.3 96.8
 227 65.6 32.4 97.0





#95

Naphthalene

Concen: 18.324 ug/l

RT: 14.53 min Scan# 1410

Delta R.T. 0.01 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

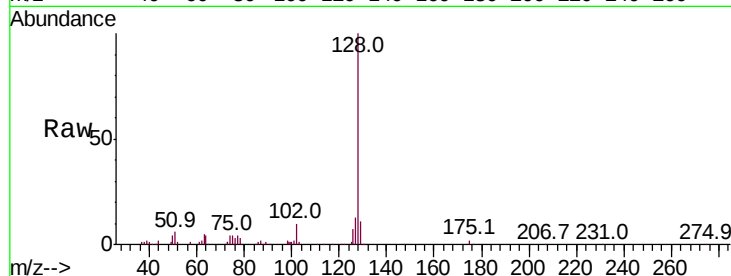
Tot Ion:128 Resp: 91466

Ion Ratio Lower Upper

128 100

127 12.8 9.9 14.9

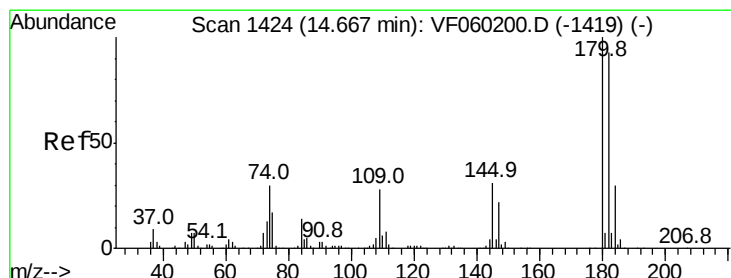
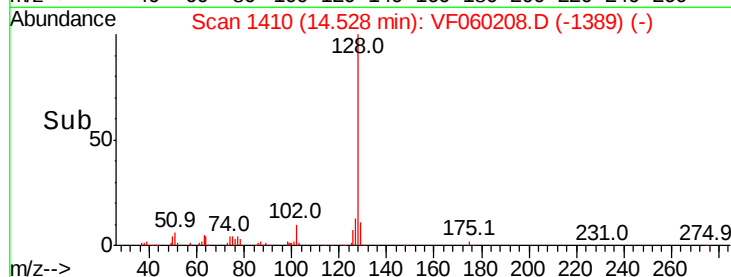
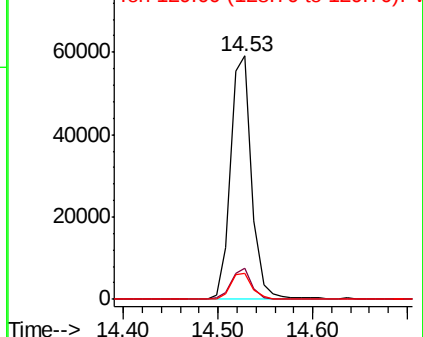
129 10.8 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.374 ug/l

RT: 14.67 min Scan# 1424

Delta R.T. -0.00 min

Lab File: VF060208.D

Acq: 7 Sep 2018 13:57

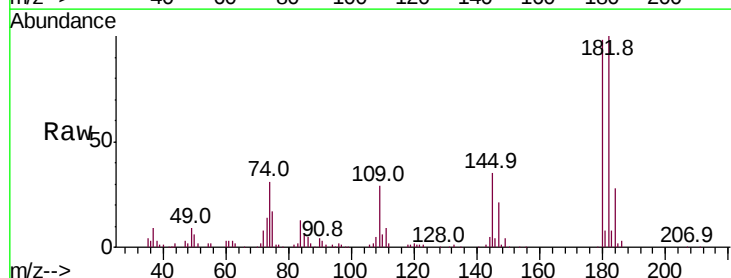
Tgt Ion:180 Resp: 67575

Ion Ratio Lower Upper

180 100

182 102.0 46.6 139.7

145 35.9 15.7 47.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

