

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110518\
 Data File : VF060571.D
 Acq On : 5 Nov 2018 14:01
 Operator : VA/AP
 Sample : VF1105SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Nov 05 13:31:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	260651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	434164	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.76	117	403433	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	221468	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	131819	50.05	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.10%	
35) Dibromofluoromethane	4.10	113	168380	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
50) Toluene-d8	7.54	98	474097	47.71	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	95.42%	
62) 4-Bromofluorobenzene	11.40	95	231755	53.32	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	106.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	92002	32.368	ug/l	97
3) Chloromethane	1.09	50	69756	30.579	ug/l	99
4) Vinyl Chloride	1.14	62	62959	29.951	ug/l	94
5) Bromomethane	1.30	94	29081	24.646	ug/l	91
6) Chloroethane	1.37	64	19688	23.678	ug/l	99
7) Trichlorofluoromethane	1.47	101	94388	23.991	ug/l	94
8) Diethyl Ether	1.62	74	15418	21.144	ug/l	67
9) 1,1,2-Trichlorotrifluoroet	1.81	101	53447	23.773	ug/l	93
10) Methyl Iodide	1.87	142	92570	25.021	ug/l	91
11) Tert butyl alcohol	2.56	59	15645	109.630	ug/l #	90
12) 1,1-Dichloroethene	1.77	96	42516	22.453	ug/l	99
13) Acrolein	2.00	56	13048	135.641	ug/l	97
14) Allyl chloride	2.09	41	81876	26.481	ug/l	97
15) Acrylonitrile	2.93	53	33152	105.626	ug/l	98
16) Acetone	2.22	43	78107	125.864	ug/l	97
17) Carbon Disulfide	1.76	76	48837	9.156	ug/l	96
18) Methyl Acetate	2.33	43	19659	20.678	ug/l	96
19) Methyl tert-butyl Ether	2.42	73	94272	21.297	ug/l	99
20) Methylene Chloride	2.17	84	53904	26.756	ug/l	96
21) trans-1,2-Dichloroethene	2.30	96	53040	26.699	ug/l	93
22) Diisopropyl ether	2.79	45	160307	24.471	ug/l #	98
23) Vinyl Acetate	3.17	43	424438	107.837	ug/l	96
24) 1,1-Dichloroethane	2.86	63	85687	22.602	ug/l	99
25) 2-Butanone	4.32	43	133359	94.290	ug/l	100
26) 2,2-Dichloropropane	3.59	77	71062	25.051	ug/l	99
27) cis-1,2-Dichloroethene	3.46	96	83627	22.052	ug/l	99
28) Bromochloromethane	3.71	49	49861	20.957	ug/l	96
29) Tetrahydrofuran	4.05	42	51929	106.758	ug/l	99
30) Chloroform	3.84	83	136020	22.678	ug/l	93
31) Cyclohexane	3.68	56	119041	22.754	ug/l	98
32) 1,1,1-Trichloroethane	4.08	97	103509	24.709	ug/l	98
36) 1,1-Dichloropropene	4.27	75	107422	22.471	ug/l	99
37) Ethyl Acetate	4.10	43	42500	18.520	ug/l	89
38) Carbon Tetrachloride	3.97	117	93396	22.864	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110518\
 Data File : VF060571.D
 Acq On : 5 Nov 2018 14:01
 Operator : VA/AP
 Sample : VF1105SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Nov 05 13:31:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	145552	24.950	ug/l	94
40) Benzene	4.62	78	269506	23.226	ug/l	99
41) Methacrylonitrile	4.73	41	25514	19.633	ug/l	99
42) 1,2-Dichloroethane	4.93	62	67564	20.287	ug/l	95
43) Isopropyl Acetate	6.95	43	65192	22.459	ug/l #	94
44) Trichloroethene	5.49	130	76679	21.987	ug/l	95
45) 1,2-Dichloropropane	6.22	63	65610	22.108	ug/l	99
46) Dibromomethane	6.07	93	40127	21.313	ug/l	95
47) Bromodichloromethane	6.37	83	98433	21.675	ug/l #	98
48) Methyl methacrylate	6.70	41	40131	21.998	ug/l	89
49) 1,4-Dioxane	6.69	88	7615	399.023	ug/l #	88
51) 4-Methyl-2-Pentanone	8.24	43	234307	120.036	ug/l	99
52) Toluene	7.61	92	164641	21.781	ug/l	99
53) t-1,3-Dichloropropene	8.26	75	81863	20.741	ug/l	98
54) cis-1,3-Dichloropropene	7.28	75	112232	22.506	ug/l	98
55) 1,1,2-Trichloroethane	8.48	97	46949	21.344	ug/l	94
56) Ethyl methacrylate	8.61	69	62526	22.094	ug/l	95
57) 1,3-Dichloropropane	8.84	76	81009	20.989	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.61	63	21972	109.665	ug/l	100
59) 2-Hexanone	9.47	43	187535	133.124	ug/l	99
60) Dibromochloromethane	8.71	129	63042	20.493	ug/l	88
61) 1,2-Dibromoethane	8.97	107	49717	21.493	ug/l	93
64) Tetrachloroethene	8.14	164	64412	20.372	ug/l	99
65) Chlorobenzene	9.79	112	175755	21.303	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.92	131	75267	21.591	ug/l	97
67) Ethyl Benzene	9.89	91	341430	22.805	ug/l	100
68) m/p-Xylenes	10.12	106	249467	44.235	ug/l	96
69) o-Xylene	10.70	106	137780	22.374	ug/l	95
70) Styrene	10.78	104	190479	21.351	ug/l	96
71) Bromoform	10.77	173	34358	19.083	ug/l #	96
73) Isopropylbenzene	11.11	105	391085	22.643	ug/l	94
74) N-amyl acetate	11.36	43	108651	22.894	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.68	83	70155	22.253	ug/l	97
76) 1,2,3-Trichloropropane	11.86	75	33824	21.831	ug/l	96
77) Bromobenzene	11.49	156	80242	21.232	ug/l	93
78) n-propylbenzene	11.59	91	453118	22.423	ug/l	100
79) 2-Chlorotoluene	11.71	91	255835	22.168	ug/l	100
80) 1,3,5-Trimethylbenzene	11.81	105	313834	22.044	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.86	75	33824	27.778	ug/l	97
82) 4-Chlorotoluene	11.89	91	267293	22.199	ug/l	97
83) tert-Butylbenzene	12.12	119	332226	22.843	ug/l	95
84) 1,2,4-Trimethylbenzene	12.20	105	310975	22.305	ug/l	98
85) sec-Butylbenzene	12.30	105	451806	22.582	ug/l	99
86) p-Isopropyltoluene	12.45	119	372923	22.634	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	163730	22.072	ug/l	94
88) 1,4-Dichlorobenzene	12.56	146	152221	21.635	ug/l	97
89) n-Butylbenzene	12.84	91	378680	21.116	ug/l	96
90) Hexachloroethane	12.91	117	90081	21.499	ug/l	77
91) 1,2-Dichlorobenzene	12.94	146	145778	21.006	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.63	75	8045	14.688	ug/l	79

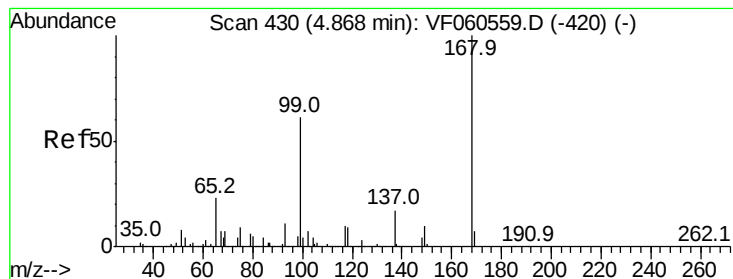
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF110518\
Data File : VF060571.D
Acq On : 5 Nov 2018 14:01
Operator : VA/AP
Sample : VF1105SBSD01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Nov 05 13:31:09 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
Quant Title : SW846 8260
QLast Update : Sat Nov 03 05:29:31 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	97477	20.675	ug/l	95
94) Hexachlorobutadiene	14.18	225	60263	19.726	ug/l	97
95) Naphthalene	14.45	128	192129	20.360	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	88018	19.763	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

Instrument :

MSVOA_F

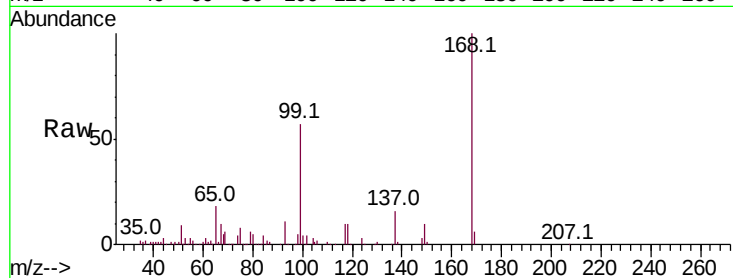
ClientSampleId :

Tot Ion:168 Resp: 260651

Ion Ratio Lower Upper

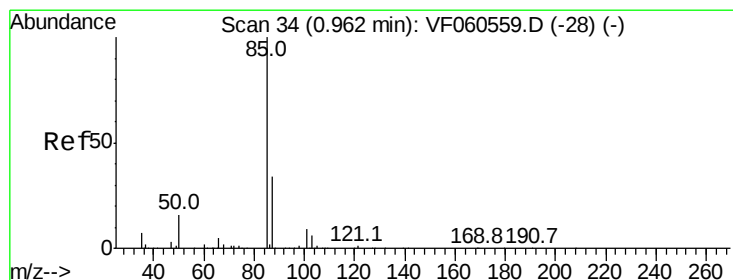
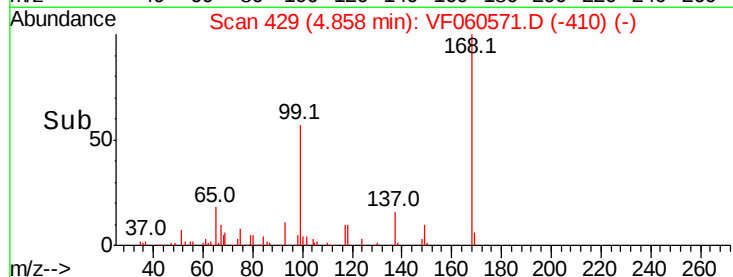
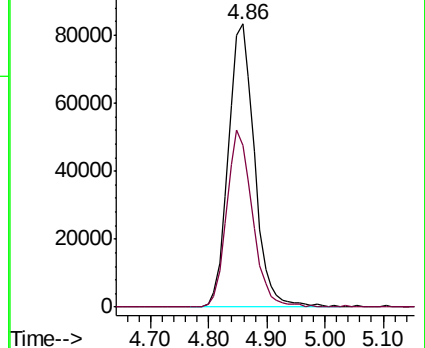
168 100

99 57.3 48.6 72.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 32.368 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF060571.D

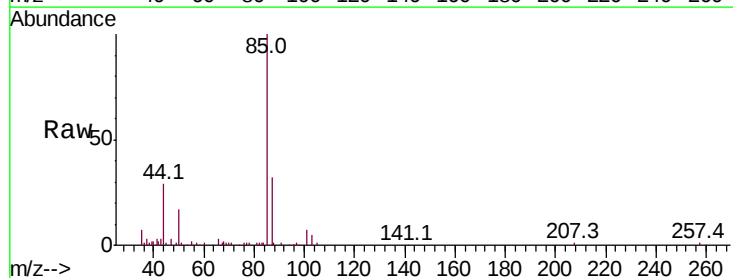
Acq: 5 Nov 2018 14:01

Tgt Ion: 85 Resp: 92002

Ion Ratio Lower Upper

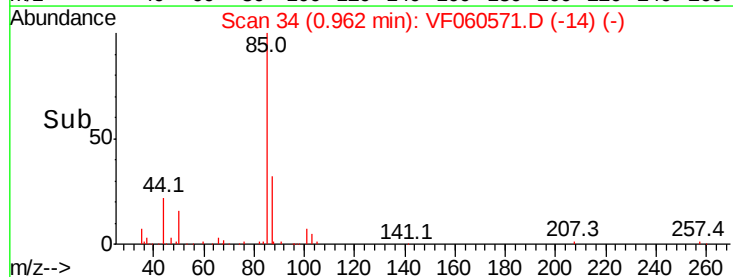
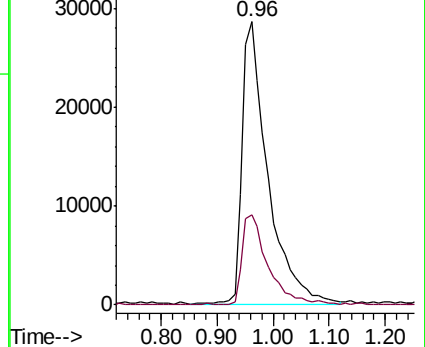
85 100

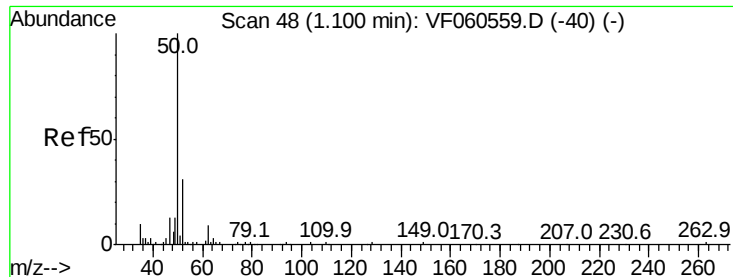
87 32.0 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 30.579 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

Instrument :

MSVOA_F

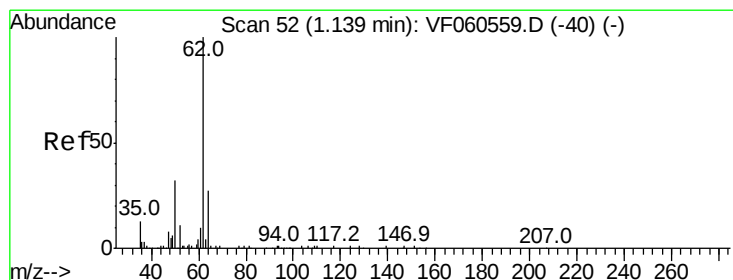
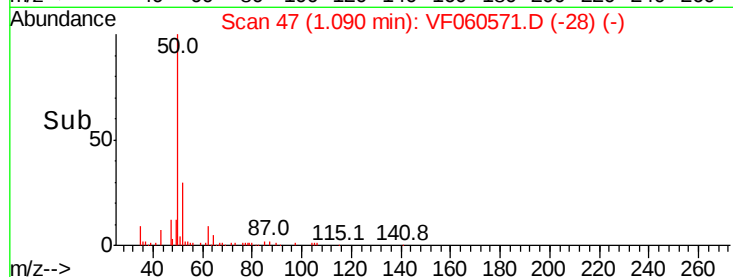
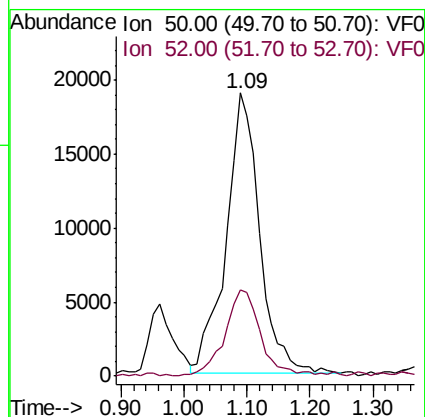
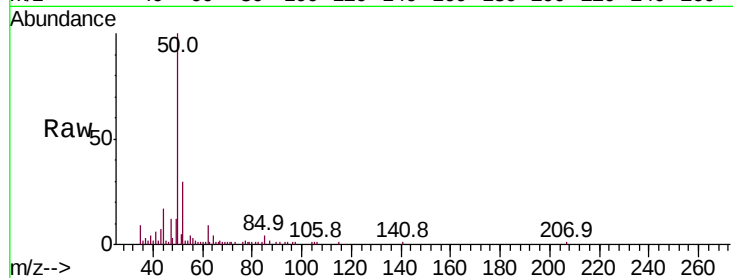
ClientSampleId :

Tot Ion: 50 Resp: 69756

Ion Ratio Lower Upper

50 100

52 30.4 24.0 36.0



#4

Vinyl Chloride

Concen: 29.951 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.00 min

Lab File: VF060571.D

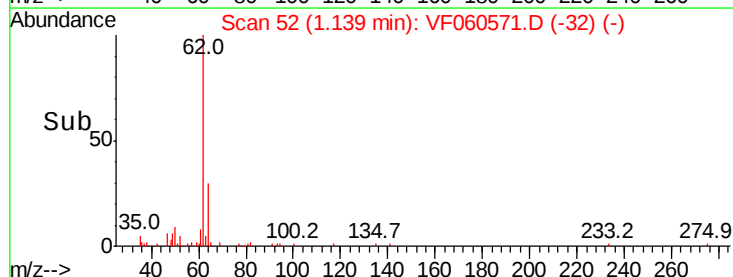
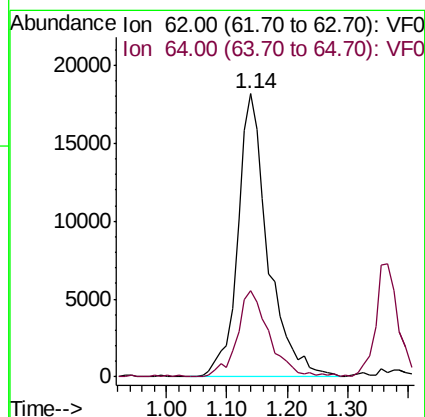
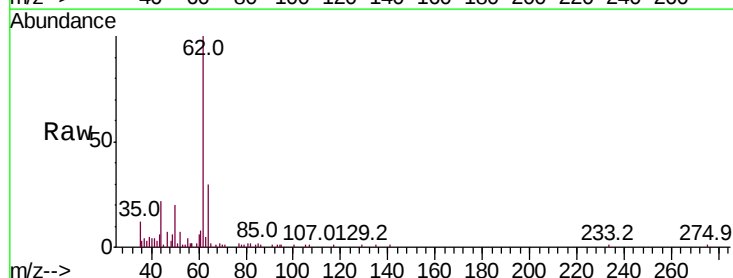
Acq: 5 Nov 2018 14:01

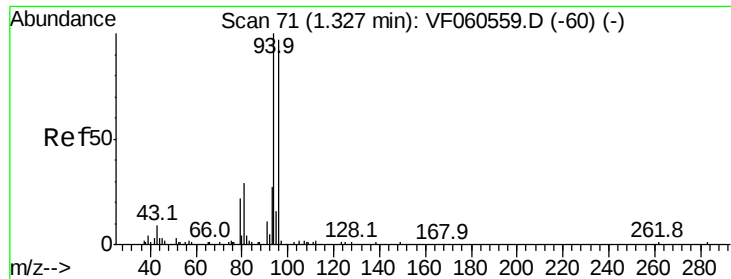
Tgt Ion: 62 Resp: 62959

Ion Ratio Lower Upper

62 100

64 30.4 21.8 32.6





#5

Bromomethane

Concen: 24.646 ug/l

RT: 1.30 min Scan# 68

Delta R.T. -0.03 min

Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

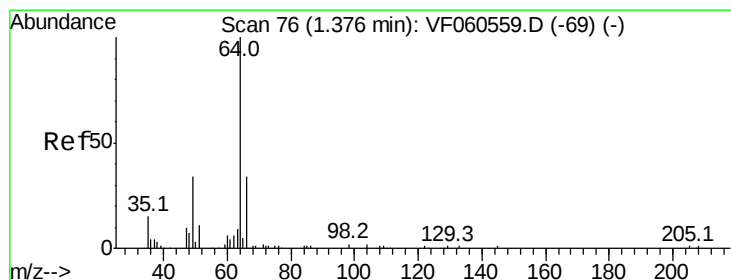
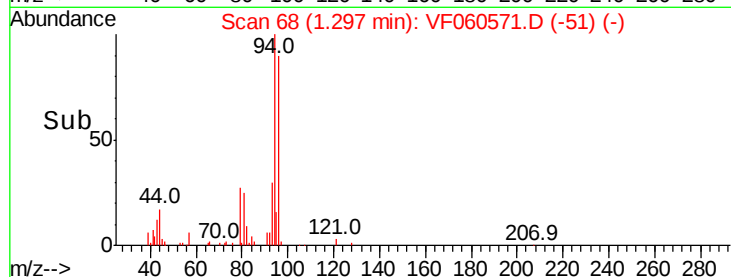
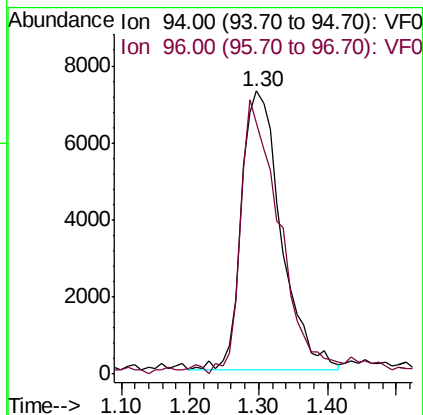
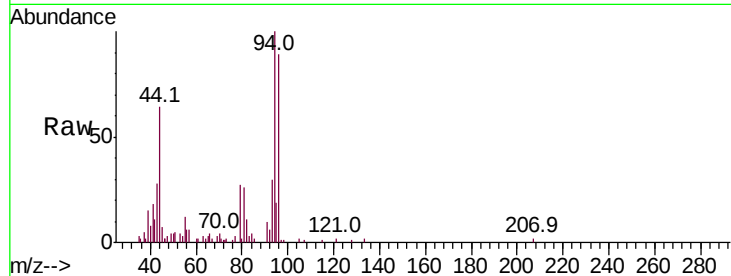
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 94 Resp: 29081

Ion Ratio Lower Upper

94 100

96 88.8 77.9 116.9



#6

Chloroethane

Concen: 23.678 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.01 min

Lab File: VF060571.D

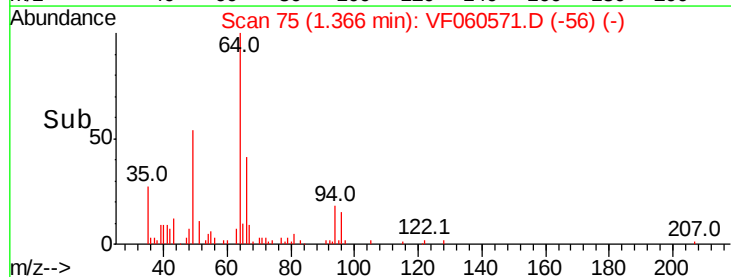
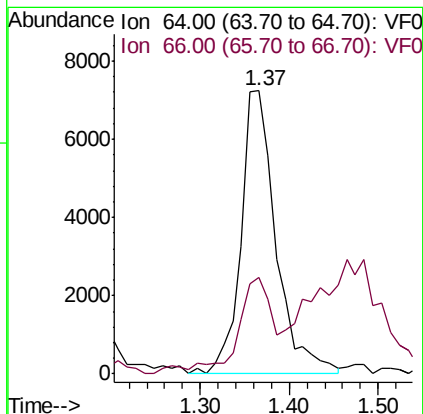
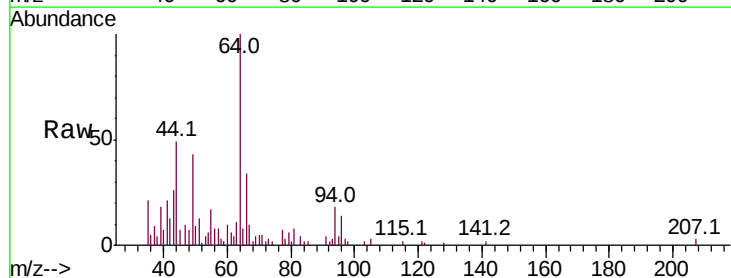
Acq: 5 Nov 2018 14:01

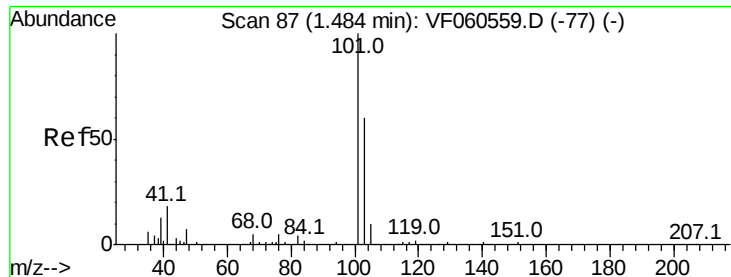
Tgt Ion: 64 Resp: 19688

Ion Ratio Lower Upper

64 100

66 34.3 27.8 41.8





#7

Trichlorofluoromethane

Concen: 23.991 ug/l

RT: 1.47 min Scan# 86

Delta R.T. -0.01 min

Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

Instrument :

MSVOA_F

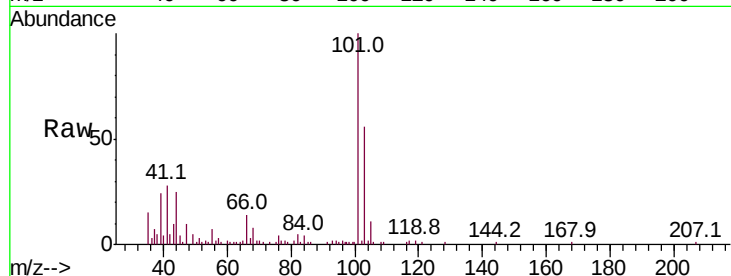
ClientSampleId :

Tot Ion:101 Resp: 94388

Ion Ratio Lower Upper

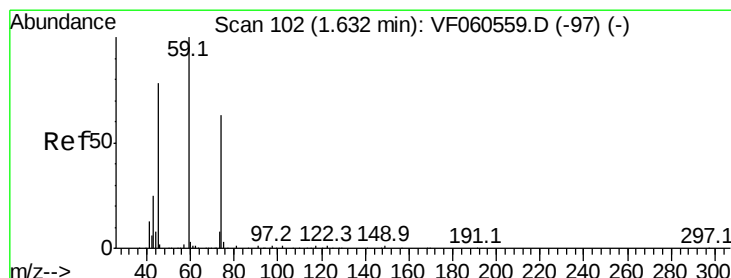
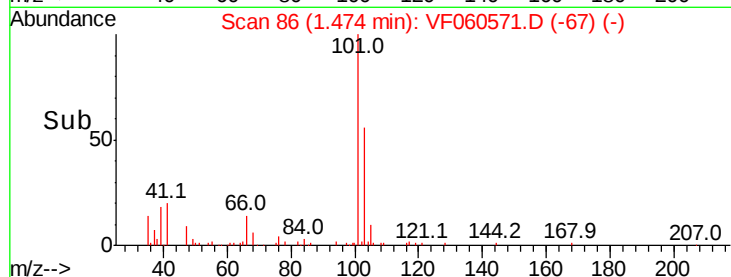
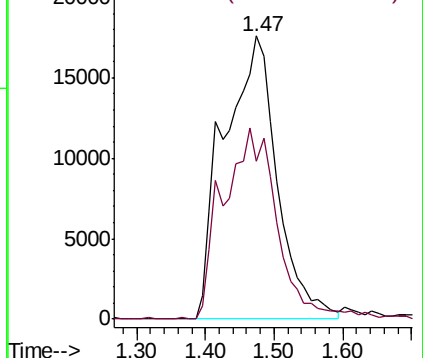
101 100

103 55.6 48.0 72.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 21.144 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.01 min

Lab File: VF060571.D

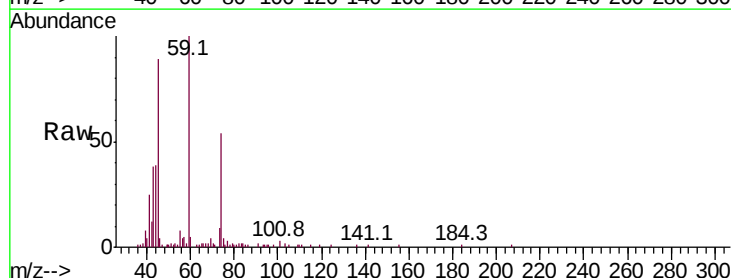
Acq: 5 Nov 2018 14:01

Tgt Ion: 74 Resp: 15418

Ion Ratio Lower Upper

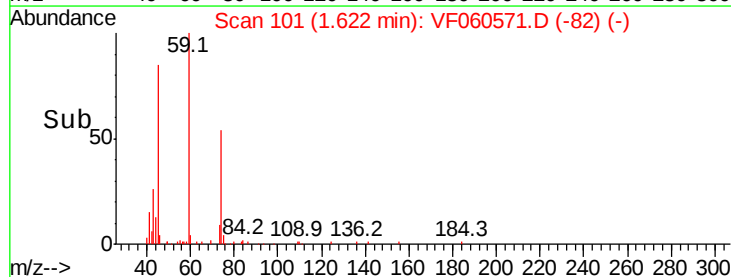
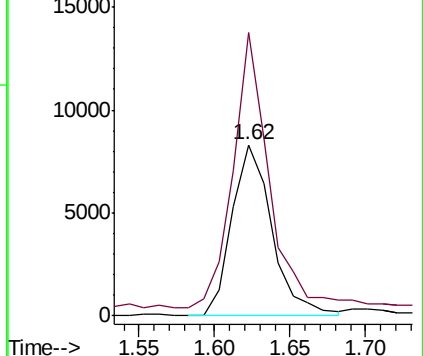
74 100

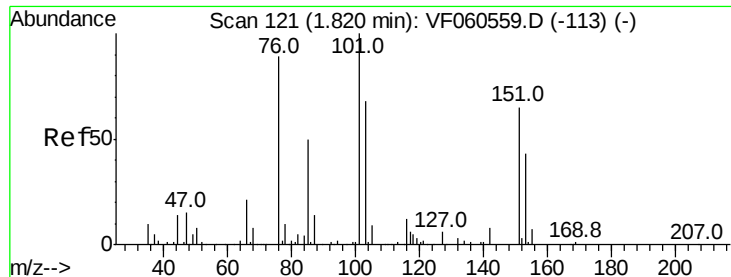
45 165.5 63.8 191.5



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.773 ug/l

RT: 1.81 min Scan# 120

Delta R.T. -0.01 min

Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

Instrument :
MSVOA_F
ClientSampleId :

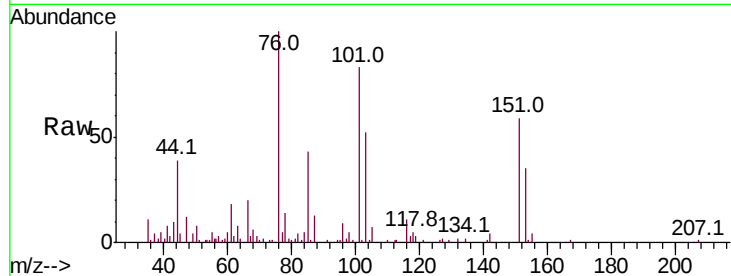
Tot Ion:101 Resp: 53447

Ion Ratio Lower Upper

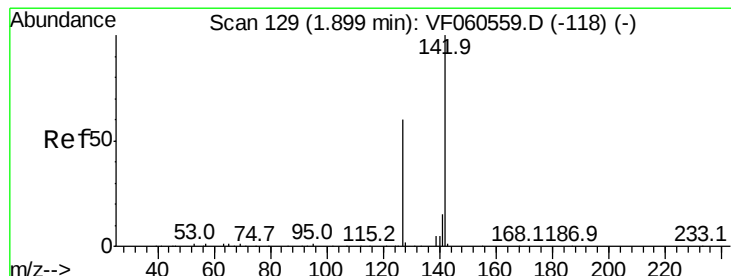
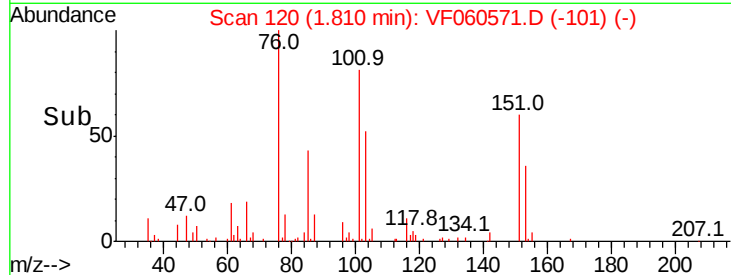
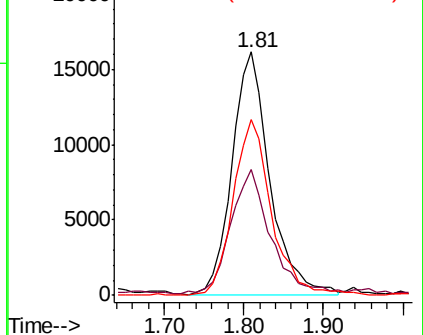
101 100

85 51.7 39.8 59.6

151 72.0 50.8 76.2



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: 25.021 ug/l

RT: 1.87 min Scan# 126

Delta R.T. -0.03 min

Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

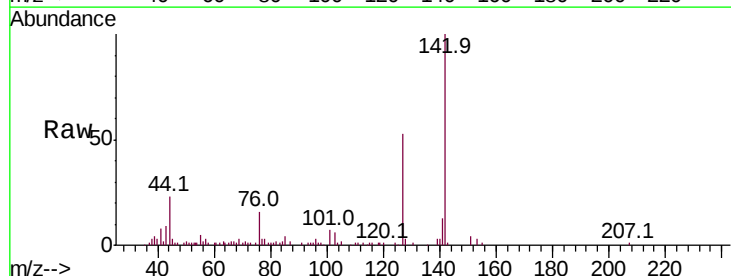
Tgt Ion:142 Resp: 92570

Ion Ratio Lower Upper

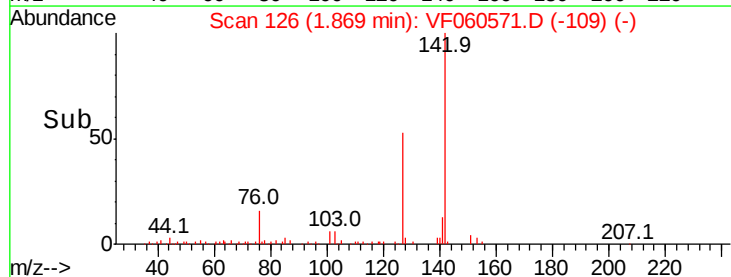
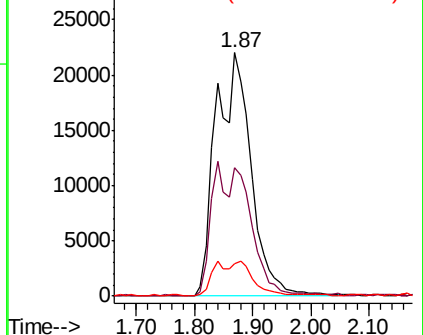
142 100

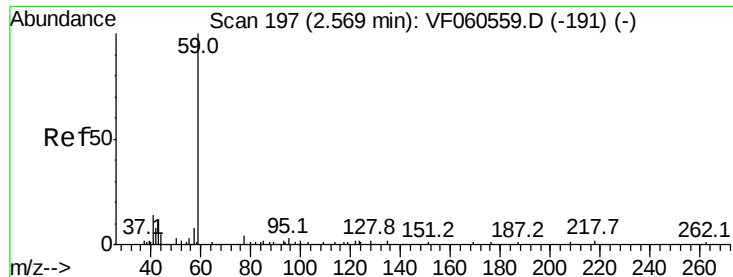
127 52.6 47.8 71.6

141 13.2 12.7 19.1



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



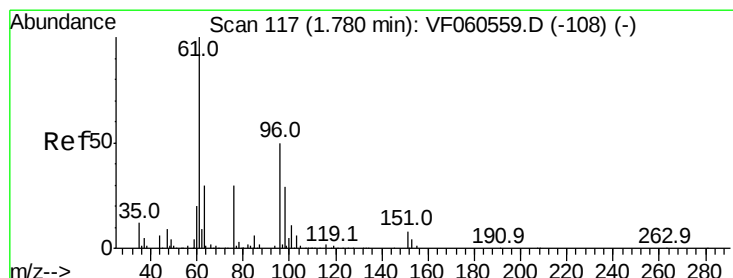
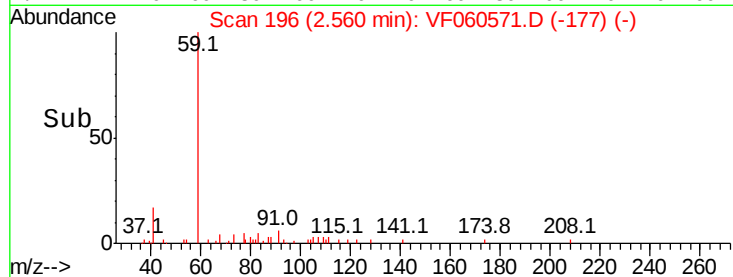
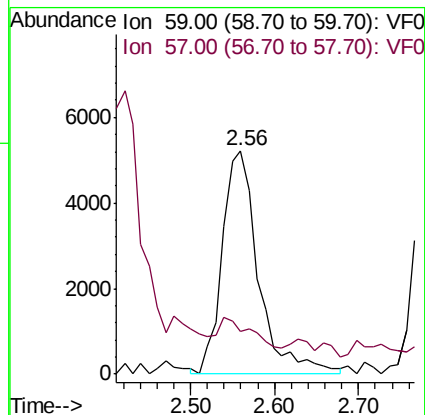
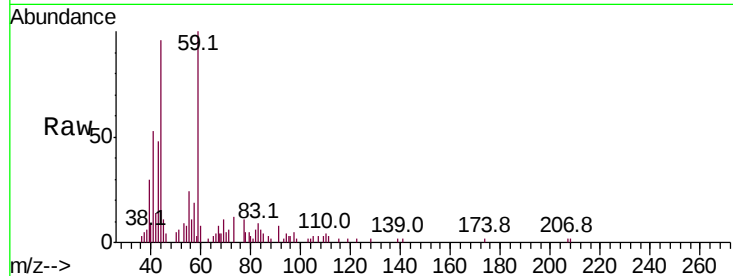


#11

Tert butyl alcohol
Concen: 109.630 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.01 min
Lab File: VF060571.D
Acq: 5 Nov 2018 14:01

Instrument :
MSVOA_F
ClientSampled :

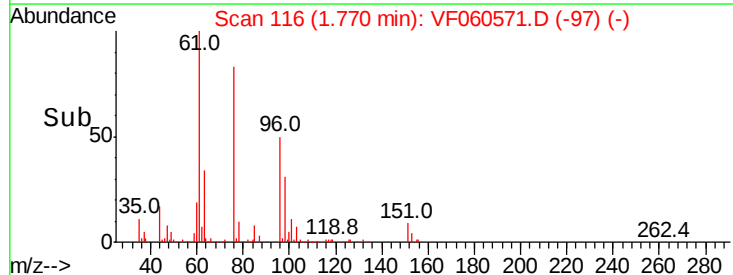
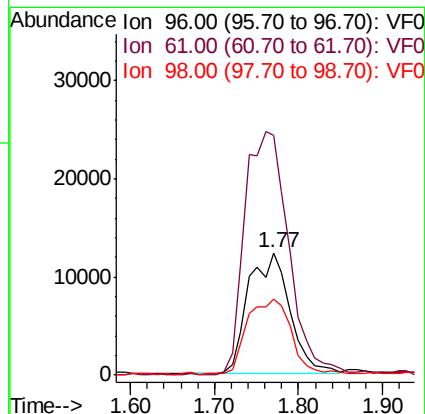
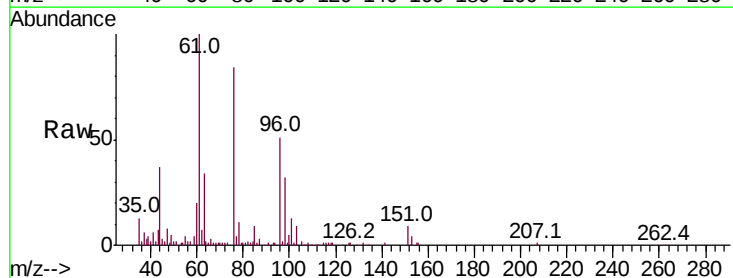
Tot Ion: 59 Resp: 15645
Ion Ratio Lower Upper
59 100
57 18.9 19.0 28.4#

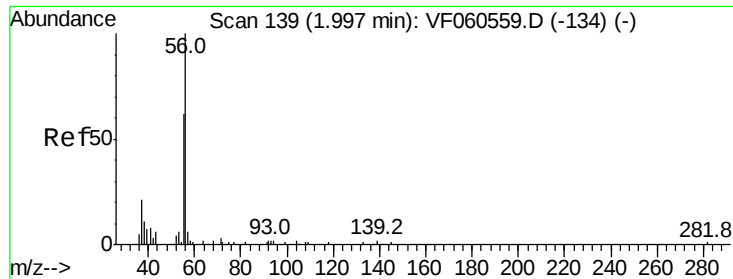


#12

1,1-Dichloroethene
Concen: 22.453 ug/l
RT: 1.77 min Scan# 116
Delta R.T. -0.01 min
Lab File: VF060571.D
Acq: 5 Nov 2018 14:01

Tgt Ion: 96 Resp: 42516
Ion Ratio Lower Upper
96 100
61 196.8 158.1 237.1
98 62.1 47.0 70.6





#13

Acrolein

Concen: 135.641 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.00 min

Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

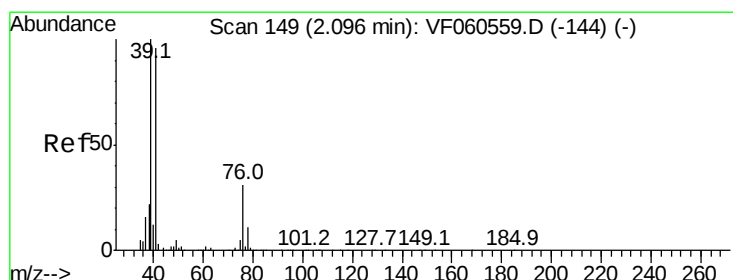
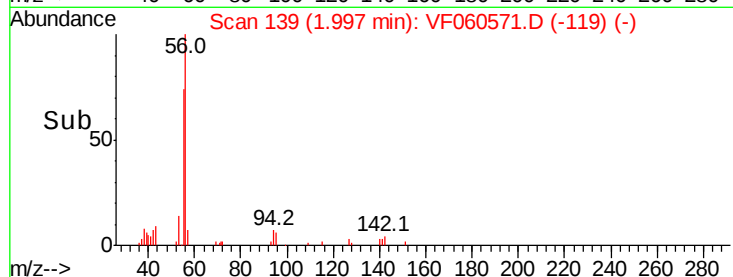
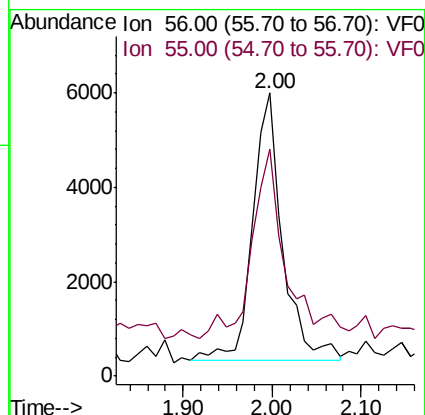
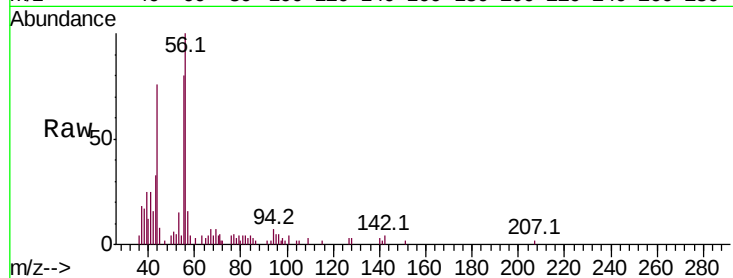
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 13048

Ion Ratio Lower Upper

56 100

55 80.1 61.8 92.6



#14

Allyl chloride

Concen: 26.481 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.01 min

Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

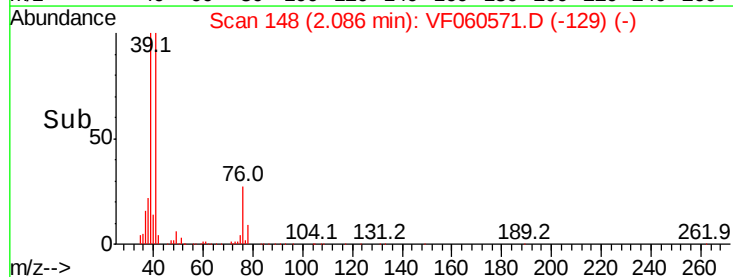
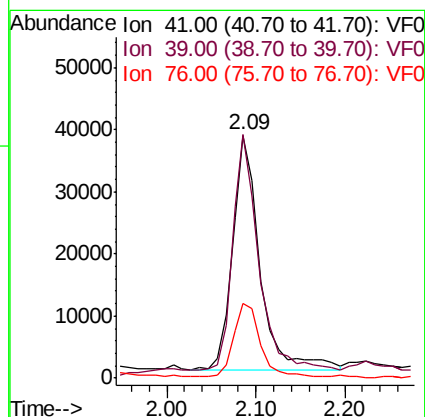
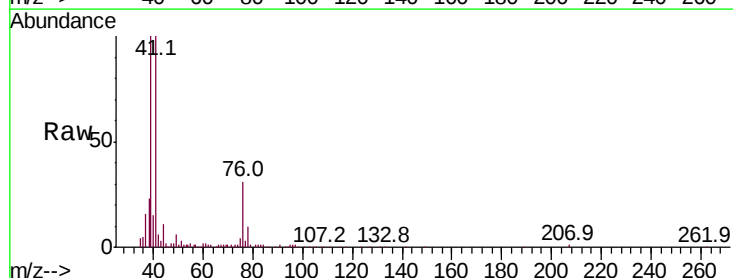
Tgt Ion: 41 Resp: 81876

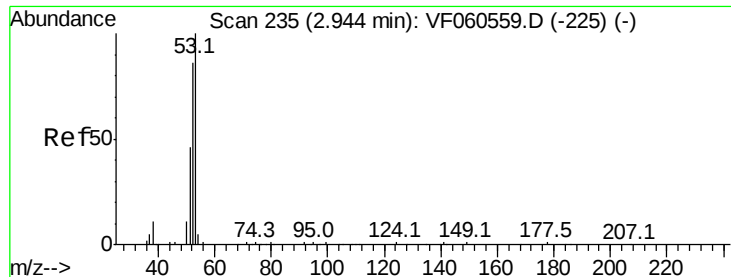
Ion Ratio Lower Upper

41 100

39 100.3 82.6 124.0

76 30.8 26.7 40.1





#15

Acrylonitrile

Concen: 105.626 ug/l

RT: 2.93 min Scan# 234

Delta R.T. -0.01 min

Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

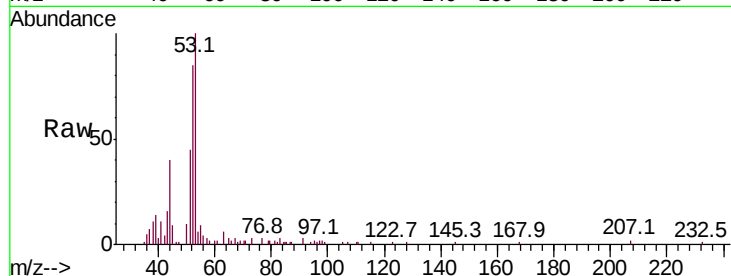
Tot Ion: 53 Resp: 33152

Ion Ratio Lower Upper

53 100

52 84.7 68.5 102.7

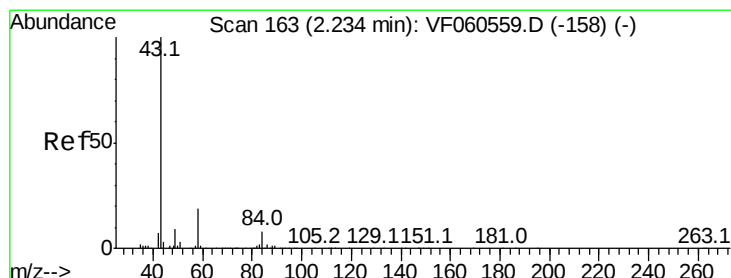
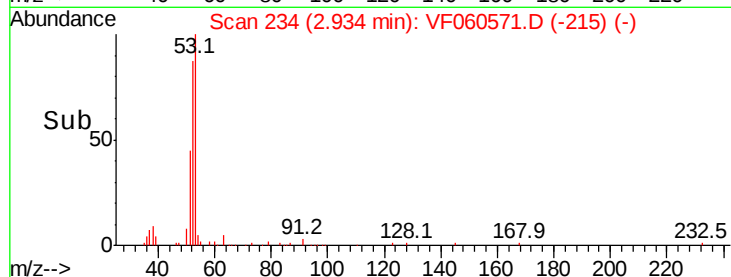
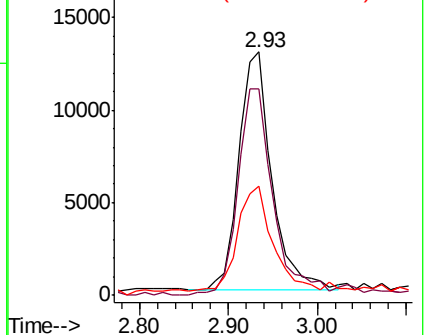
51 44.8 38.2 57.2



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 125.864 ug/l

RT: 2.22 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF060571.D

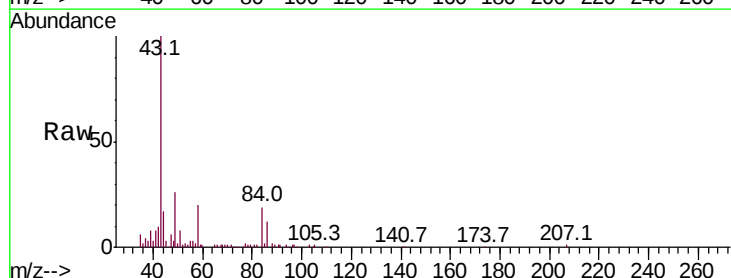
Acq: 5 Nov 2018 14:01

Tgt Ion: 43 Resp: 78107

Ion Ratio Lower Upper

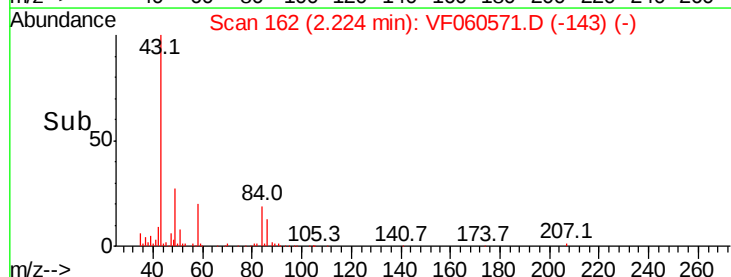
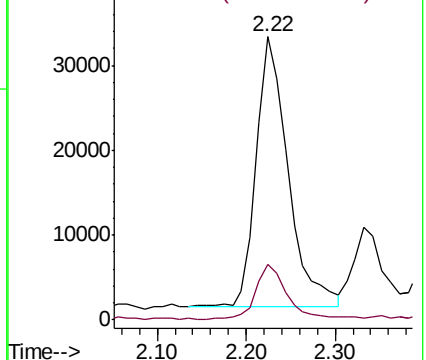
43 100

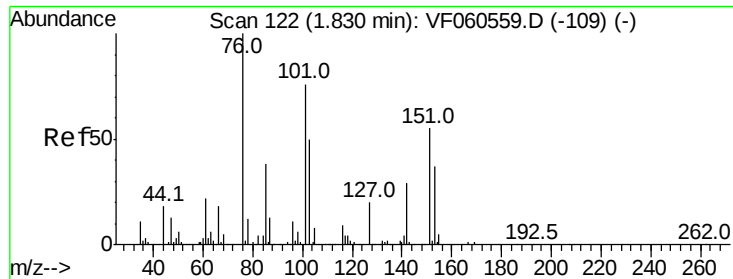
58 19.7 14.6 22.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

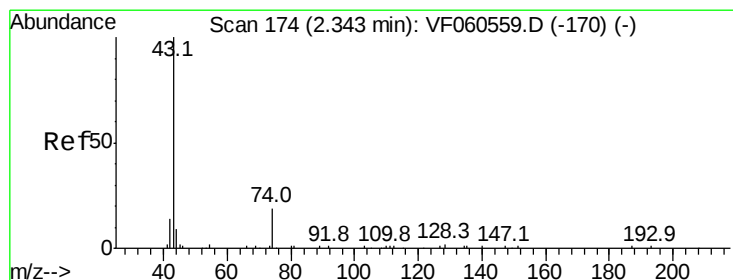
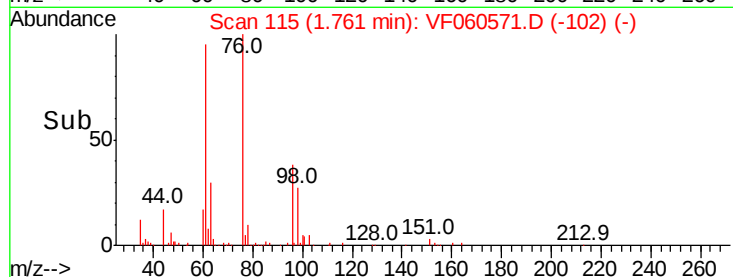
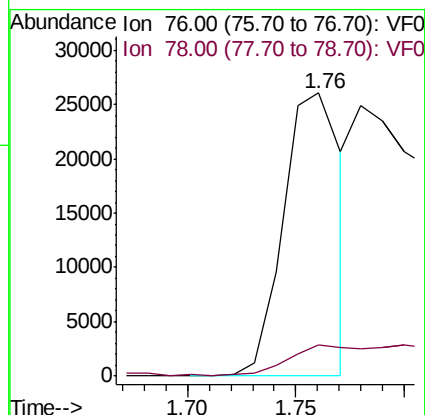
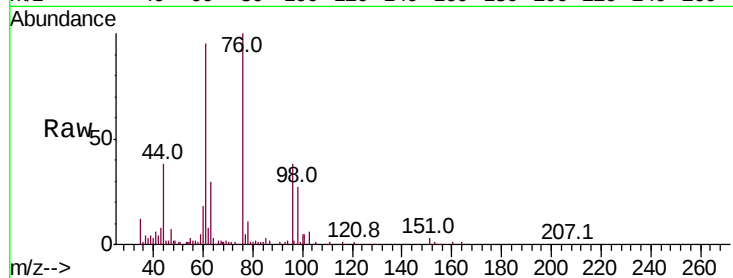




#17
Carbon Disulfide
Concen: 9.156 ug/l
RT: 1.76 min Scan# 115
Delta R.T. -0.07 min
Lab File: VF060571.D
Acq: 5 Nov 2018 14:01

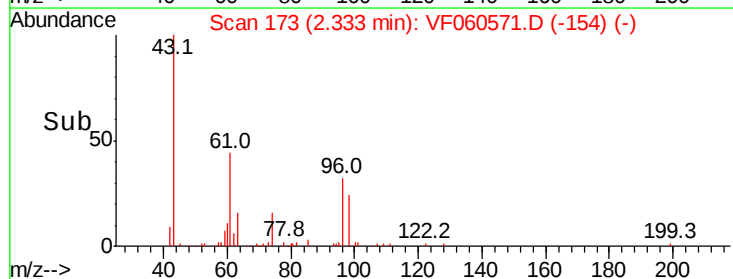
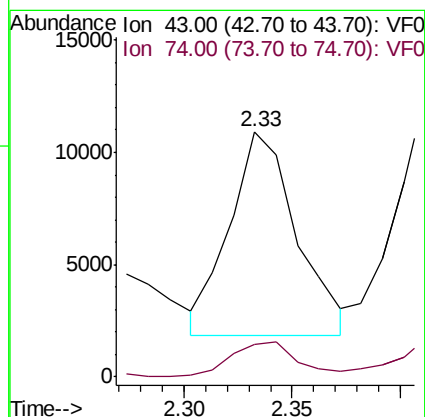
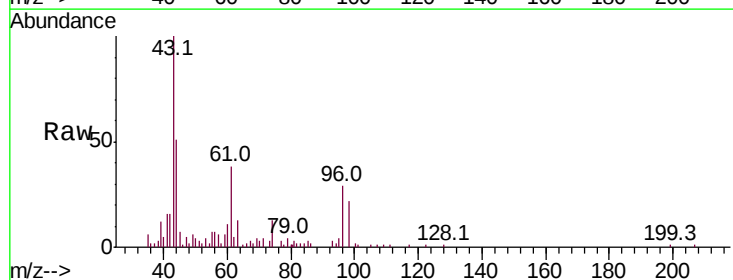
Instrument :
MSVOA_F
ClientSampleId :

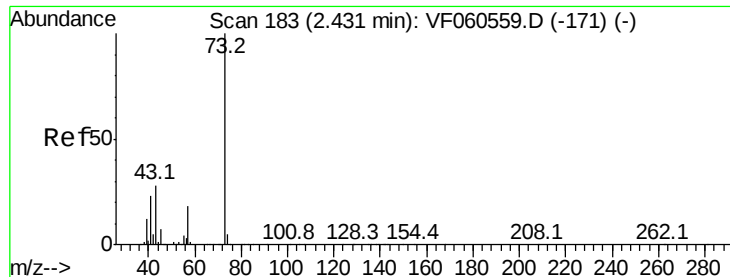
Tot Ion: 76 Resp: 48837
Ion Ratio Lower Upper
76 100
78 10.9 9.9 14.9



#18
Methyl Acetate
Concen: 20.678 ug/l
RT: 2.33 min Scan# 173
Delta R.T. -0.01 min
Lab File: VF060571.D
Acq: 5 Nov 2018 14:01

Tgt Ion: 43 Resp: 19659
Ion Ratio Lower Upper
43 100
74 13.3 12.1 18.1



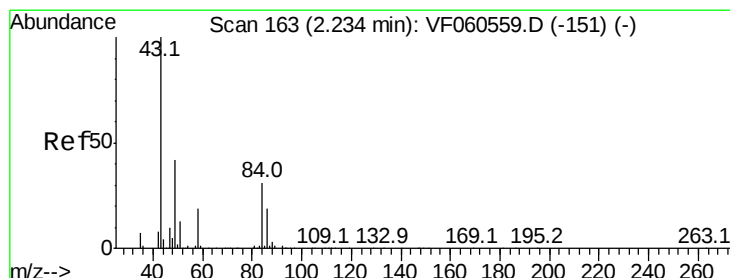
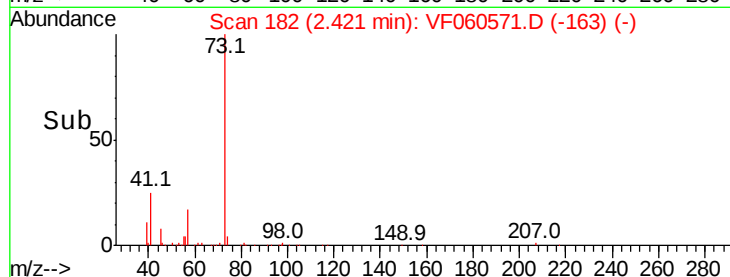
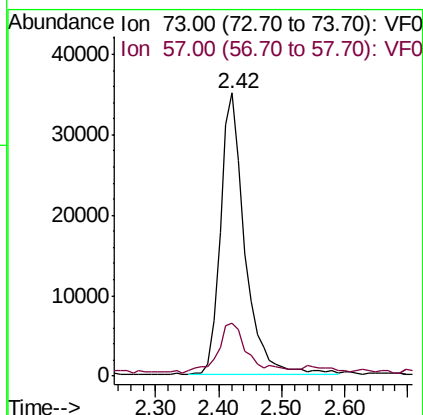
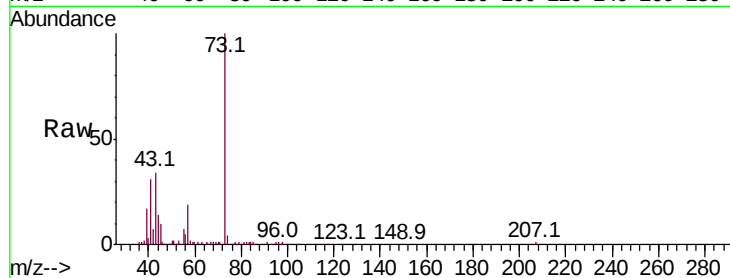


#19

Methyl tert-butyl Ether
 Concen: 21.297 ug/l
 RT: 2.42 min Scan# 182
 Delta R.T. -0.01 min
 Lab File: VF060571.D
 Acq: 5 Nov 2018 14:01

Instrument :
 MSVOA_F
 ClientSampled :

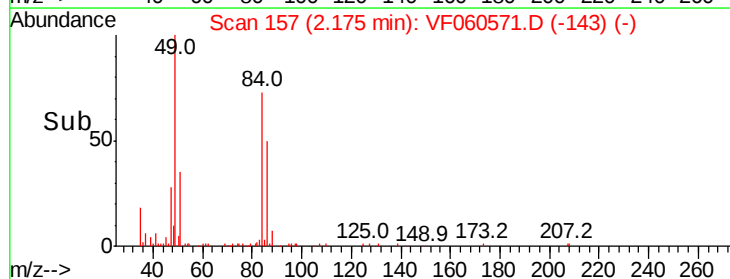
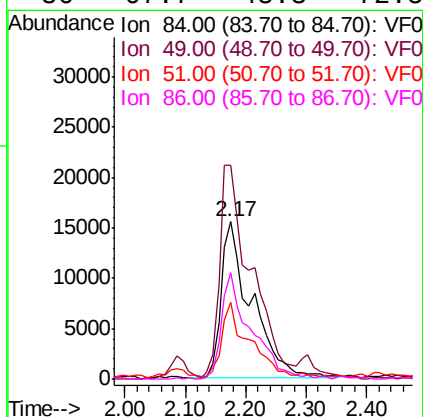
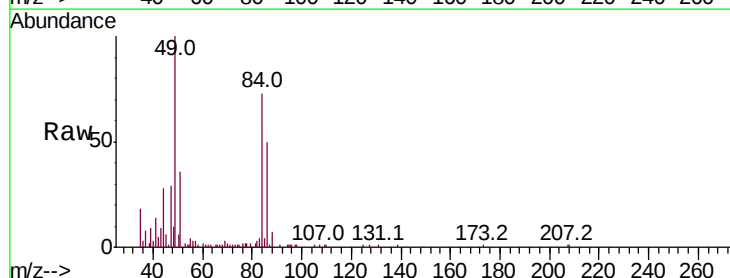
Tot Ion: 73 Resp: 94272
 Ion Ratio Lower Upper
 73 100
 57 18.8 15.4 23.0

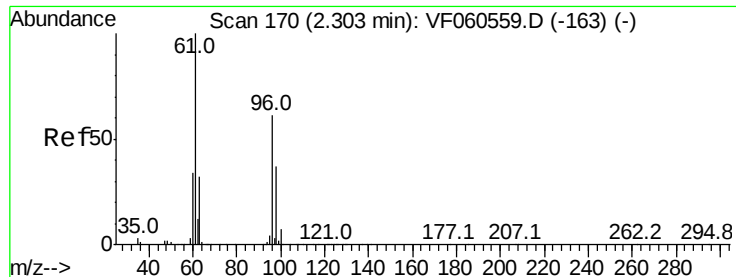


#20

Methylene Chloride
 Concen: 26.756 ug/l
 RT: 2.17 min Scan# 157
 Delta R.T. -0.06 min
 Lab File: VF060571.D
 Acq: 5 Nov 2018 14:01

Tgt Ion: 84 Resp: 53904
 Ion Ratio Lower Upper
 84 100
 49 136.1 109.9 164.9
 51 48.6 35.8 53.8
 86 67.7 48.3 72.5





#21

trans-1,2-Dichloroethene

Concen: 26.699 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

Instrument :
MSVOA_F
ClientSampleId :

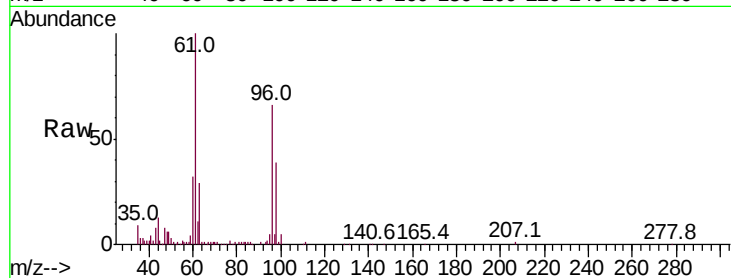
Tot Ion: 96 Resp: 53040

Ion Ratio Lower Upper

96 100

61 151.6 131.3 196.9

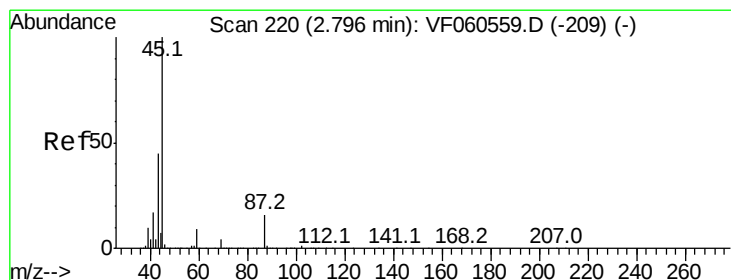
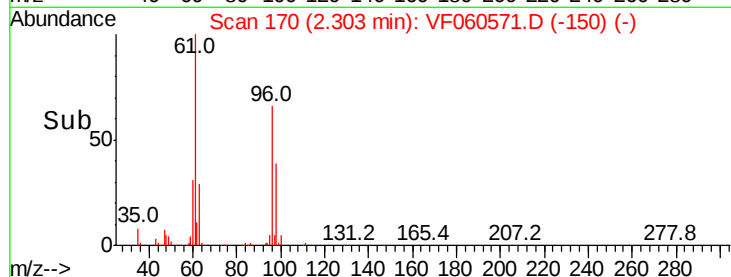
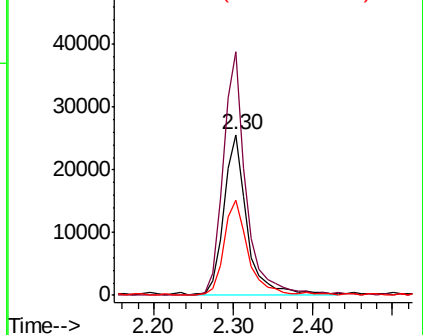
98 59.3 48.6 73.0



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



#22

Diisopropyl ether

Concen: 24.471 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.01 min

Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

Tgt Ion: 45 Resp: 160307

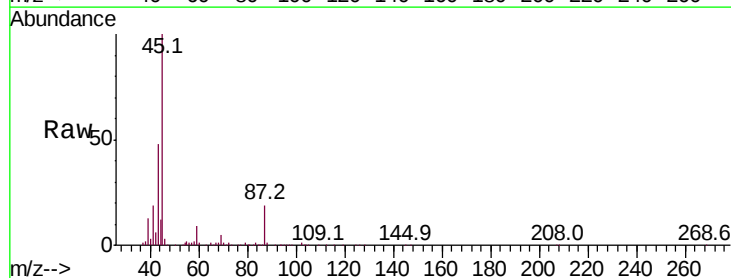
Ion Ratio Lower Upper

45 100

43 48.0 38.1 57.1

87 19.4 12.7 19.1#

59 9.4 7.0 10.4

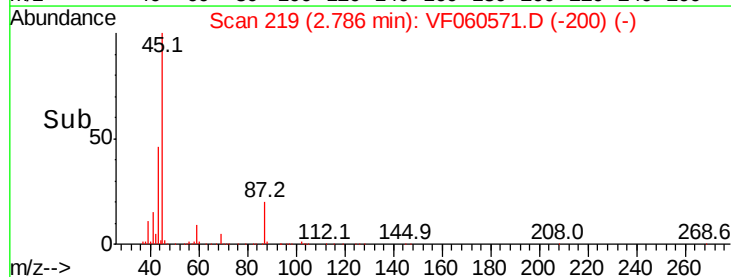
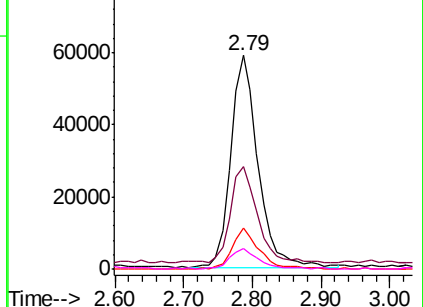


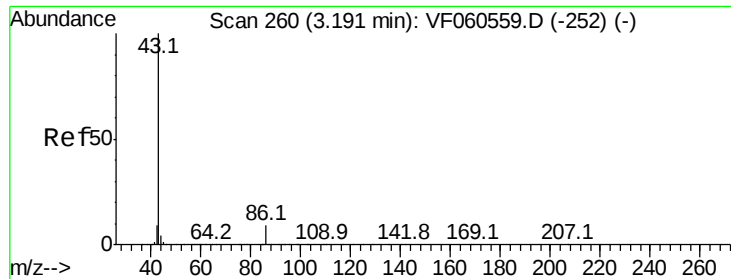
Abundance Ion 45.00 (44.70 to 45.70): VF0

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

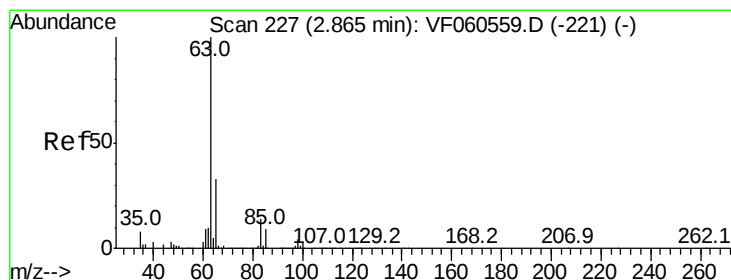
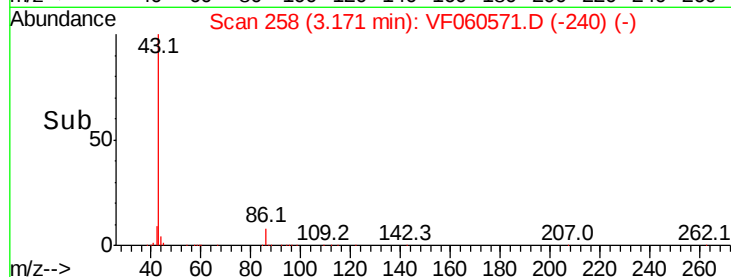
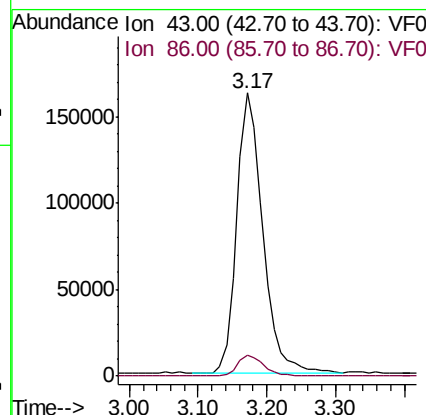
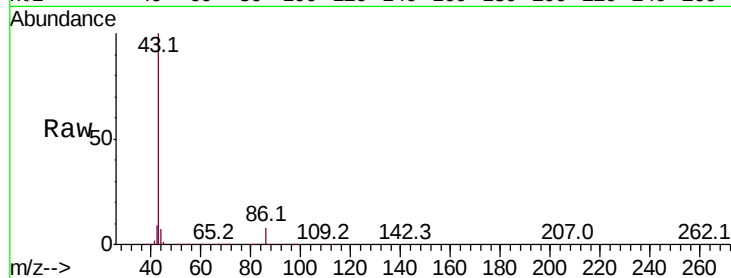




#23
 Vinyl Acetate
 Concen: 107.837 ug/l
 RT: 3.17 min Scan# 258
 Delta R.T. -0.02 min
 Lab File: VF060571.D
 Acq: 5 Nov 2018 14:01

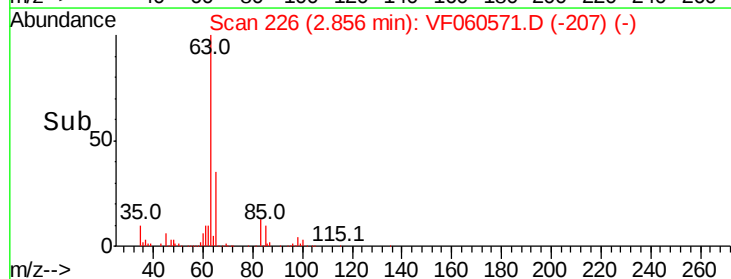
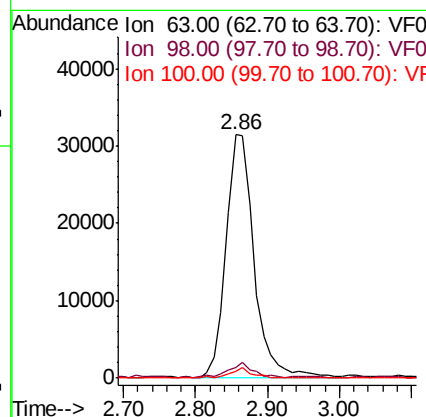
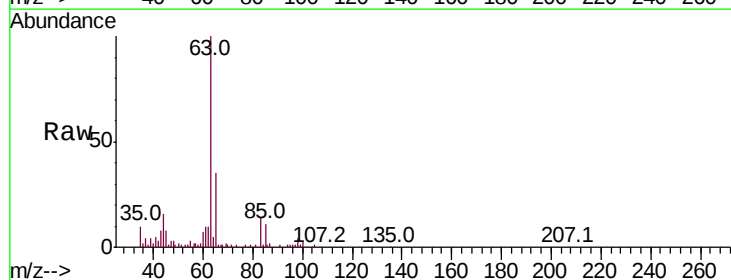
Instrument :
 MSVOA_F
 ClientSampled :

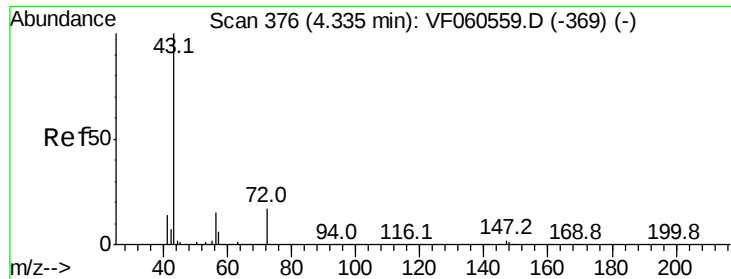
Tot Ion: 43 Resp: 424438
 Ion Ratio Lower Upper
 43 100
 86 7.5 7.1 10.7



#24
 1,1-Dichloroethane
 Concen: 22.602 ug/l
 RT: 2.86 min Scan# 226
 Delta R.T. -0.01 min
 Lab File: VF060571.D
 Acq: 5 Nov 2018 14:01

Tgt Ion: 63 Resp: 85687
 Ion Ratio Lower Upper
 63 100
 98 4.2 2.2 6.6
 100 3.0 1.4 4.0





#25

2-Butanone

Concen: 94.290 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.02 min

Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

Instrument :

MSVOA_F

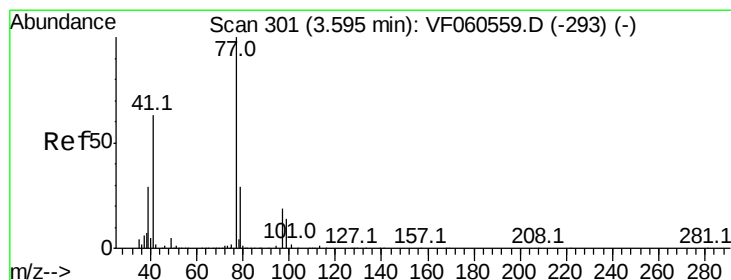
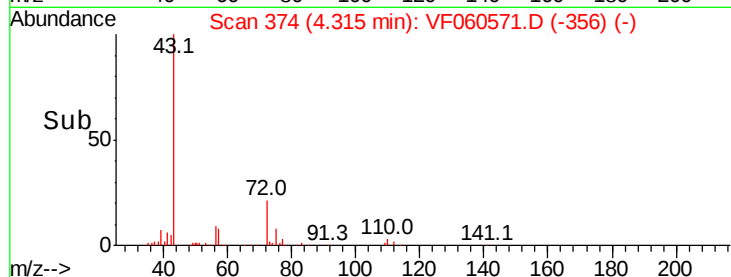
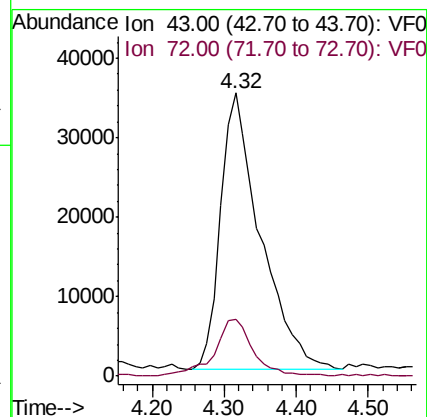
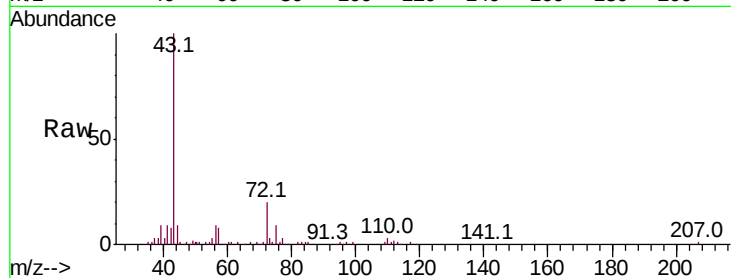
ClientSampled :

Tot Ion: 43 Resp: 133359

Ion Ratio Lower Upper

43 100

72 20.3 16.2 24.2



#26

2,2-Dichloropropane

Concen: 25.051 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.01 min

Lab File: VF060571.D

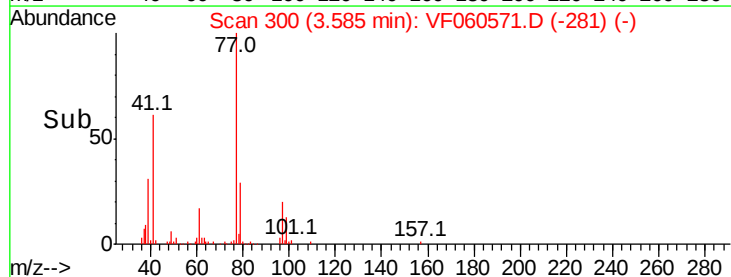
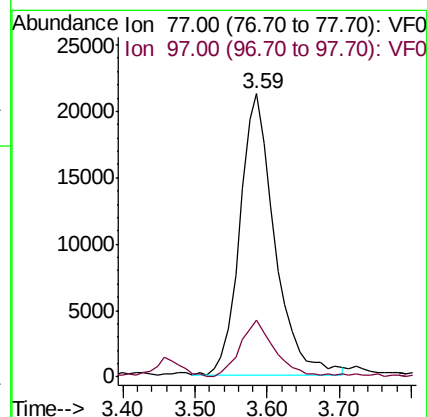
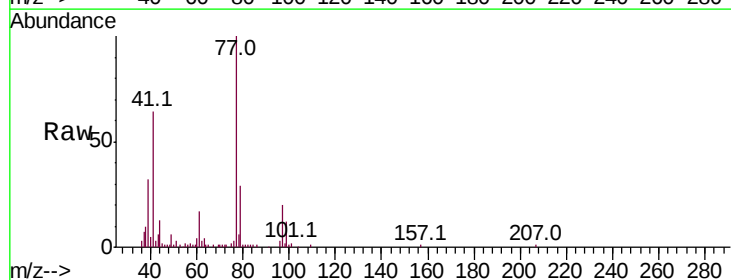
Acq: 5 Nov 2018 14:01

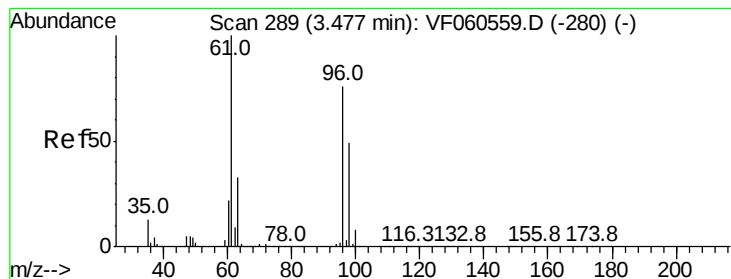
Tgt Ion: 77 Resp: 71062

Ion Ratio Lower Upper

77 100

97 20.1 9.8 29.3



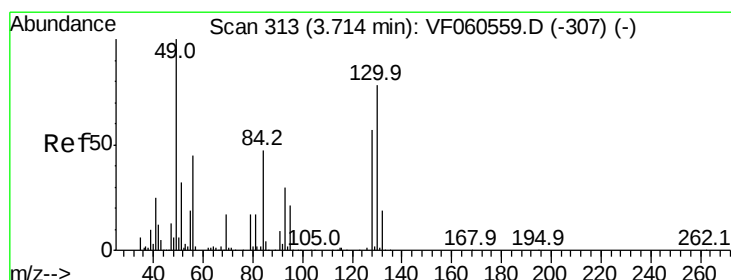
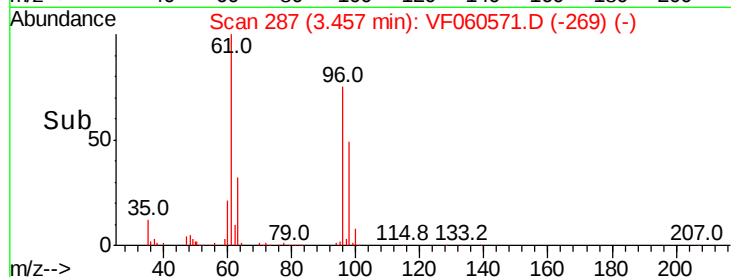
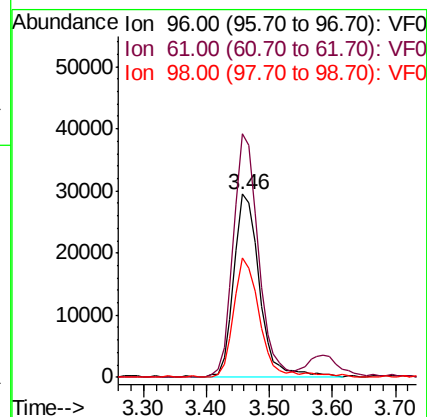
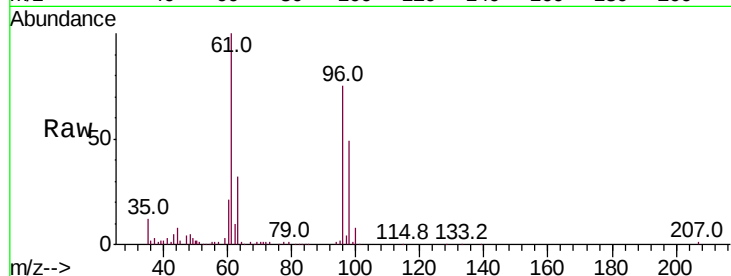


#27

cis-1,2-Dichloroethene
Concen: 22.052 ug/l
RT: 3.46 min Scan# 287
Delta R.T. -0.02 min
Lab File: VF060571.D
Acq: 5 Nov 2018 14:01

Instrument :
MSVOA_F
ClientSampled :

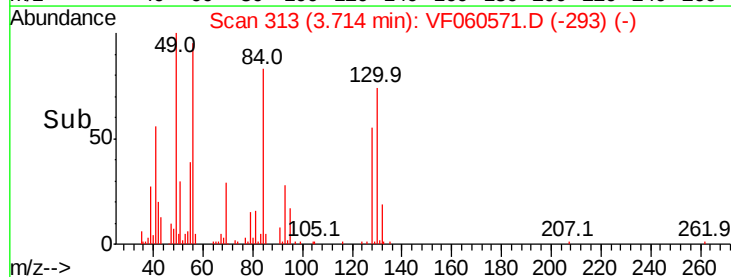
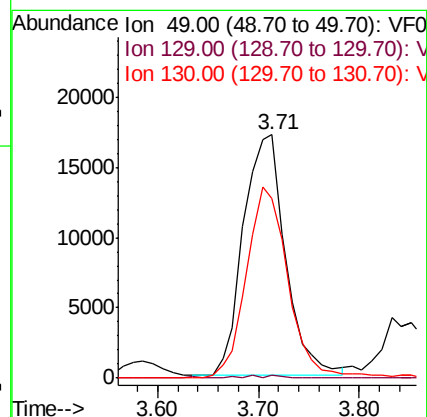
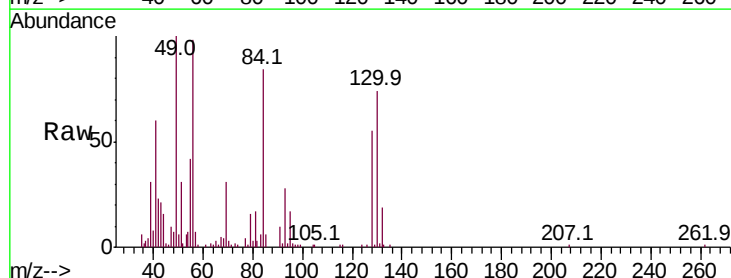
Tot Ion	96	Resp	83627
Ion Ratio	Lower	Upper	
96	100		
61	133.0	0.0	263.0
98	65.3	0.0	130.6

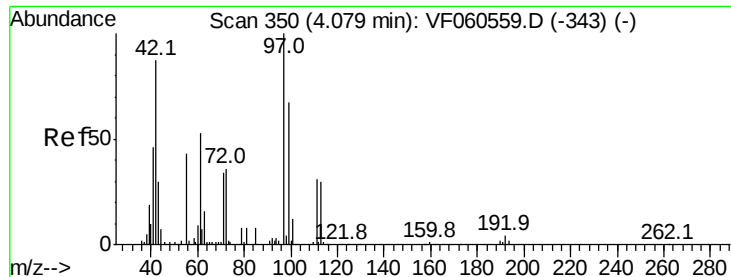


#28

Bromochloromethane
Concen: 20.957 ug/l
RT: 3.71 min Scan# 313
Delta R.T. -0.00 min
Lab File: VF060571.D
Acq: 5 Nov 2018 14:01

Tgt Ion	49	Resp	49861
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
49	100		
129	1.4	0.0	4.6
130	73.8	61.8	92.8

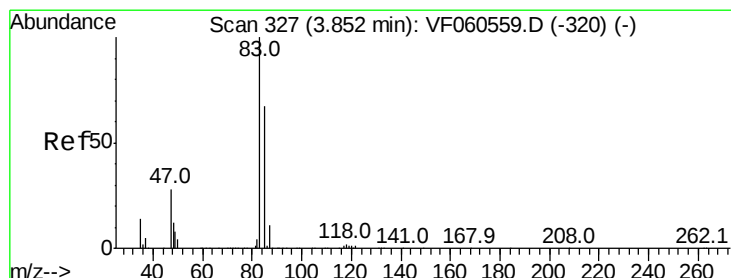
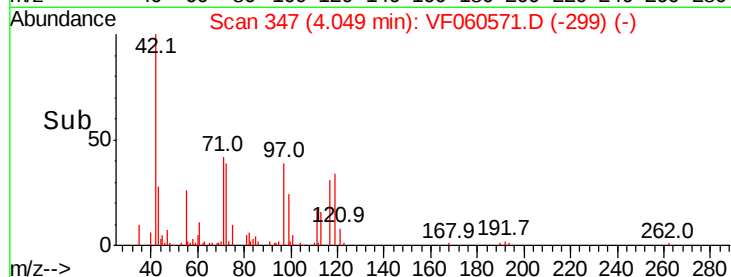
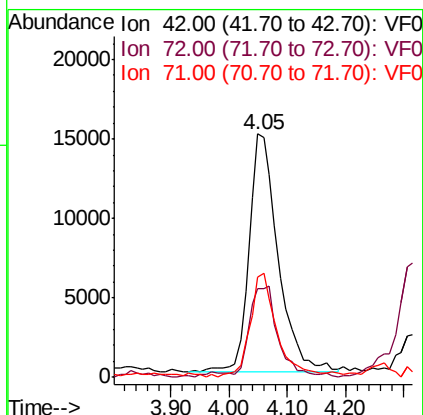
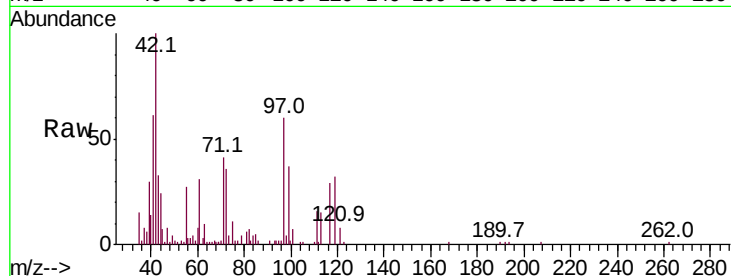




#29
Tetrahydrofuran
Concen: 106.758 ug/l
RT: 4.05 min Scan# 347
Delta R.T. -0.03 min
Lab File: VF060571.D
Acq: 5 Nov 2018 14:01

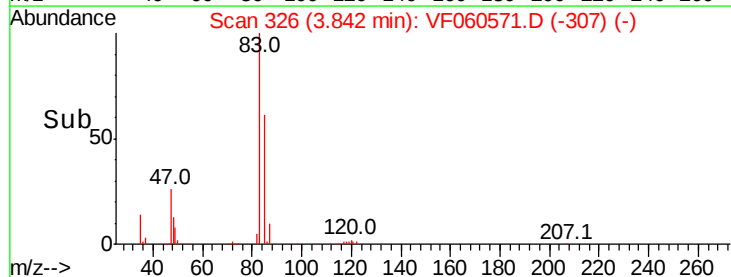
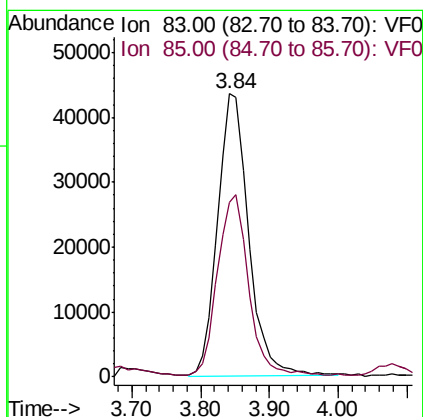
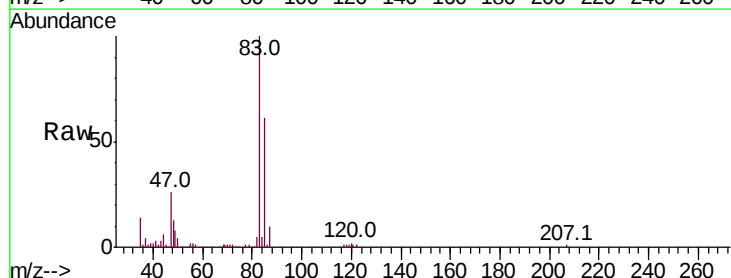
Instrument :
MSVOA_F
ClientSampleId :

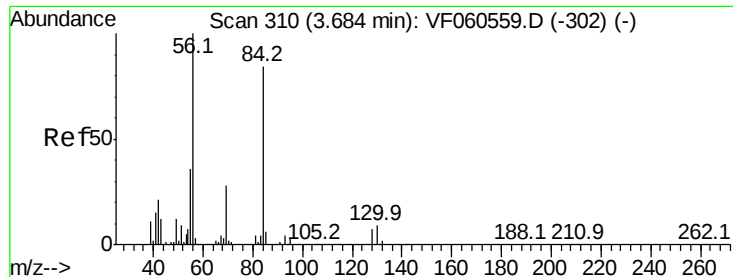
Tot Ion: 42 Resp: 51929
Ion Ratio Lower Upper
42 100
72 38.9 31.4 47.0
71 40.6 31.8 47.6



#30
Chloroform
Concen: 22.678 ug/l
RT: 3.84 min Scan# 326
Delta R.T. -0.01 min
Lab File: VF060571.D
Acq: 5 Nov 2018 14:01

Tgt Ion: 83 Resp: 136020
Ion Ratio Lower Upper
83 100
85 61.5 53.7 80.5





#31

Cyclohexane

Concen: 22.754 ug/l

RT: 3.68 min Scan# 310

Delta R.T. -0.00 min

Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

Instrument :
MSVOA_F
ClientSampleId :

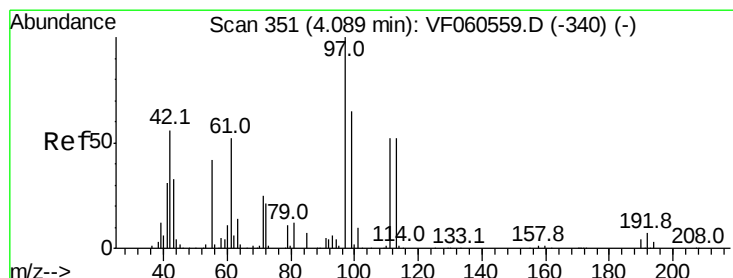
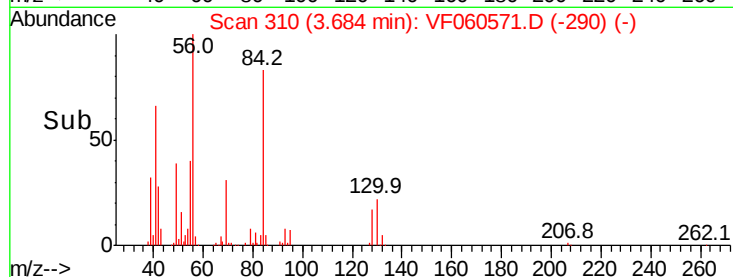
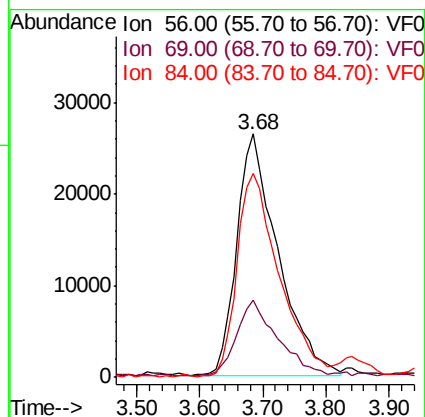
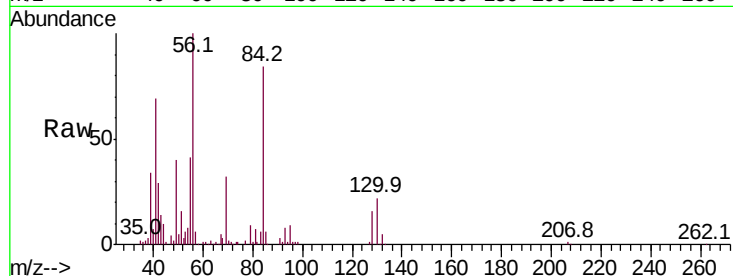
Tot Ion: 56 Resp: 119041

Ion Ratio Lower Upper

56 100

69 31.8 23.0 34.4

84 84.0 67.1 100.7



#32

1,1,1-Trichloroethane

Concen: 24.709 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.01 min

Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

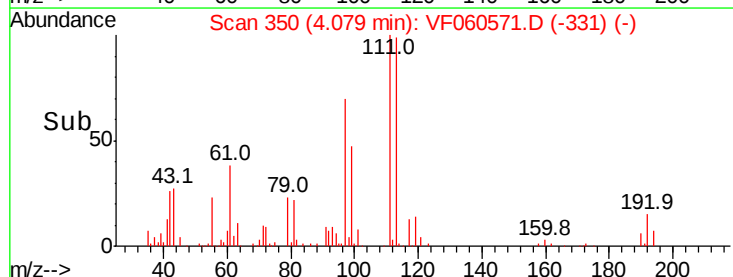
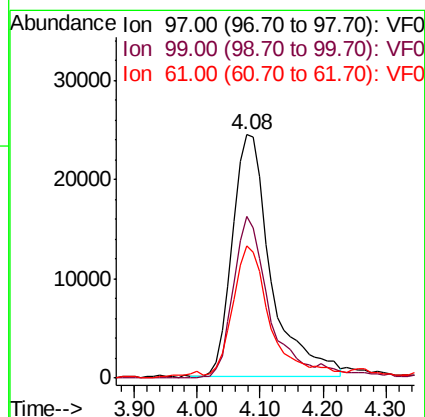
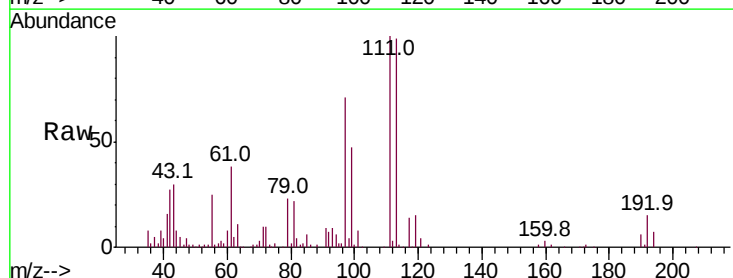
Tgt Ion: 97 Resp: 103509

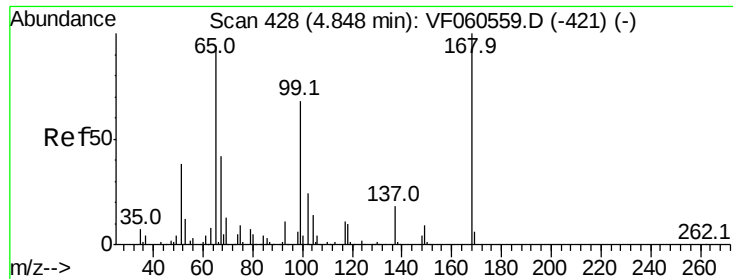
Ion Ratio Lower Upper

97 100

99 66.3 52.4 78.6

61 54.1 41.5 62.3





#33

1,2-Dichloroethane-d4

Concen: 50.054 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.02 min

Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

Instrument :

MSVOA_F

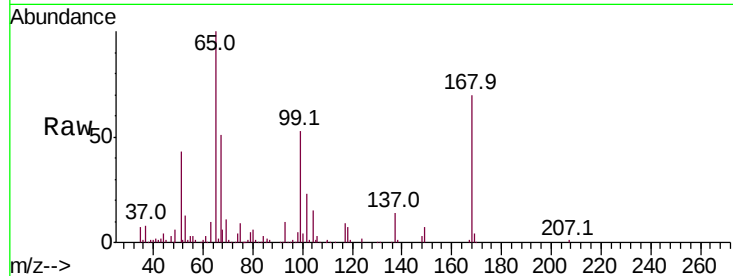
ClientSampleId :

Tot Ion: 65 Resp: 131819

Ion Ratio Lower Upper

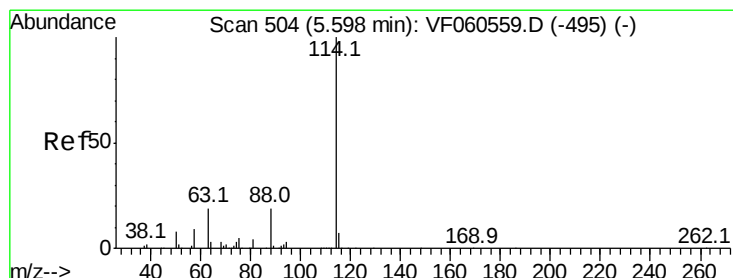
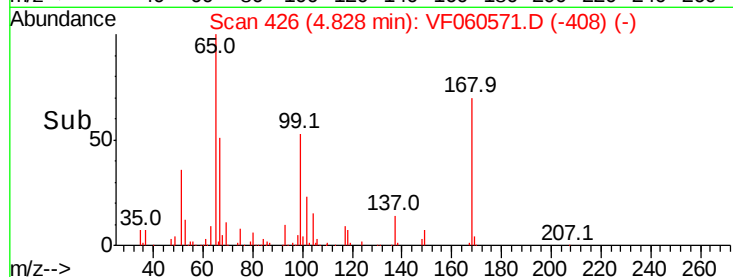
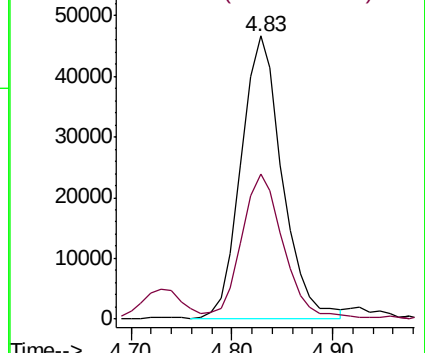
65 100

67 51.2 0.0 101.8



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: 5.59 min Scan# 503

Delta R.T. -0.01 min

Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

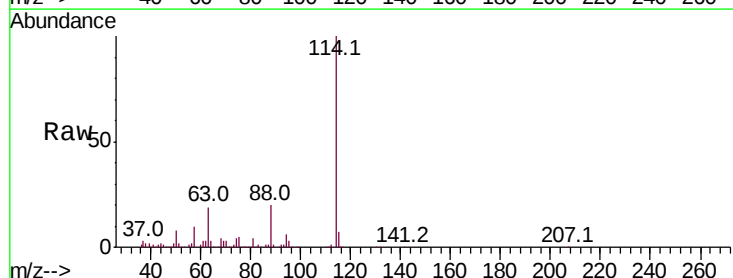
Tgt Ion: 114 Resp: 434164

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.0

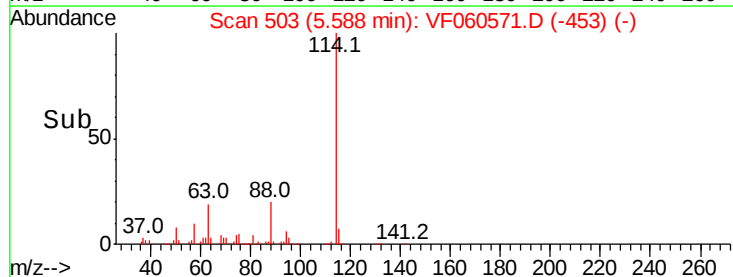
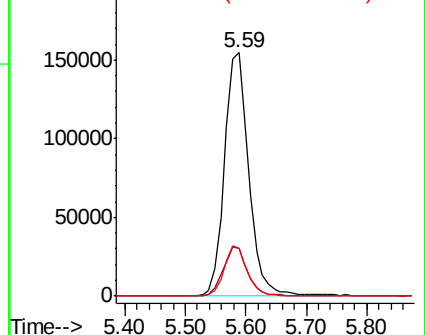
88 19.7 0.0 38.2

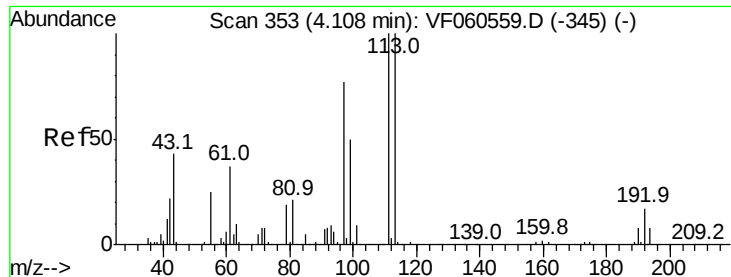


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 50.198 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

Instrument :
MSVOA_F
ClientSampleId :

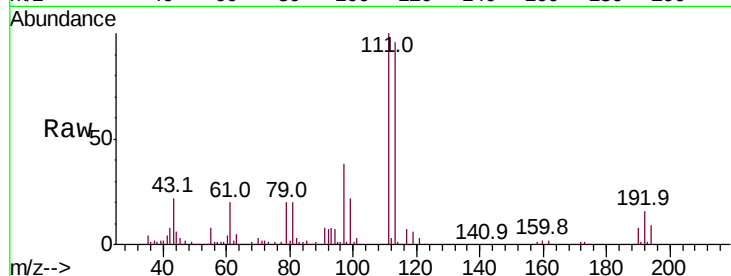
Tot Ion:113 Resp: 168380

Ion Ratio Lower Upper

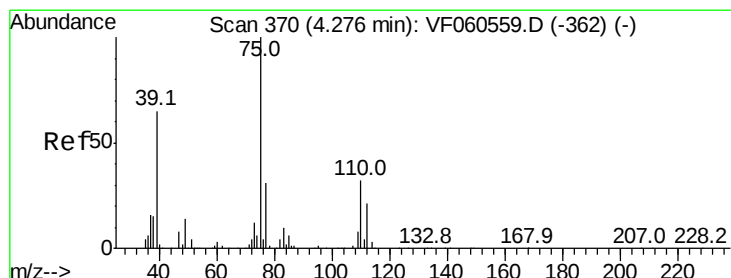
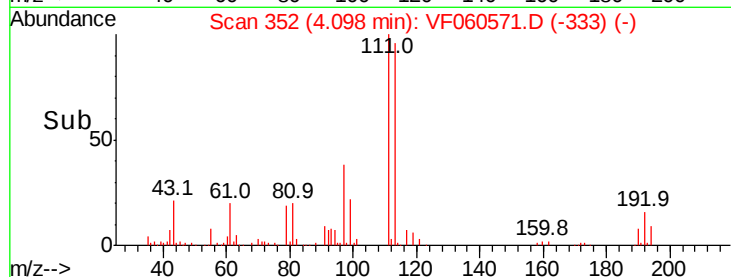
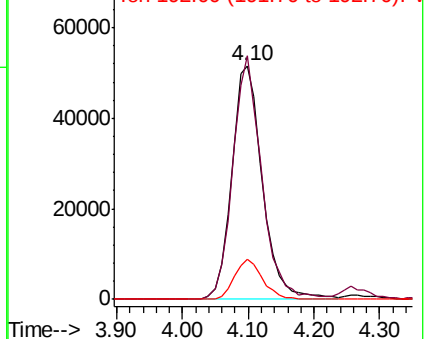
113 100

111 104.3 79.9 119.9

192 17.1 13.3 19.9



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: 22.471 ug/l

RT: 4.27 min Scan# 369

Delta R.T. -0.01 min

Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

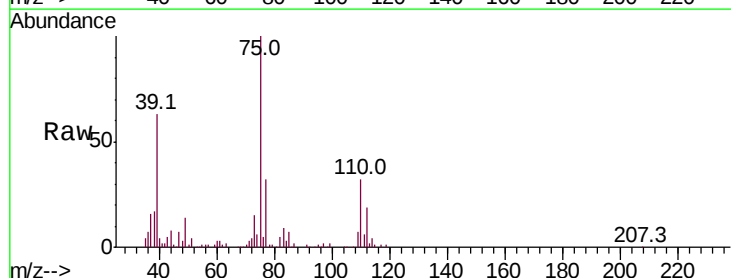
Tgt Ion: 75 Resp: 107422

Ion Ratio Lower Upper

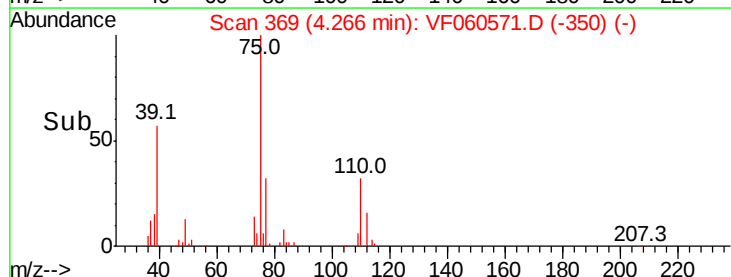
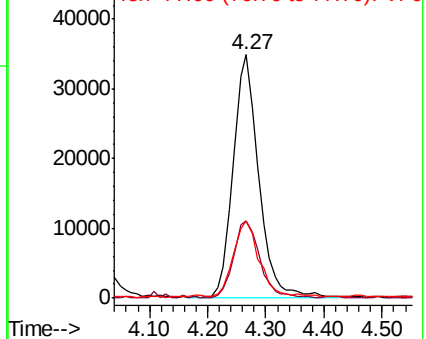
75 100

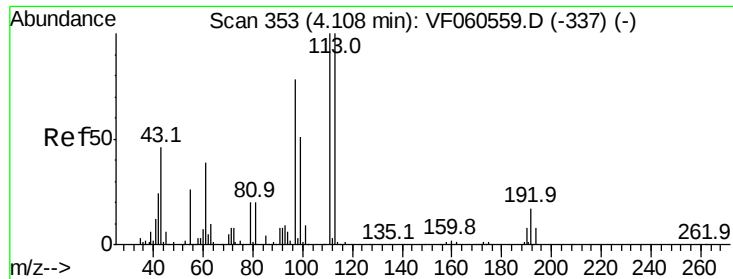
110 31.7 16.2 48.6

77 31.8 25.0 37.6



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

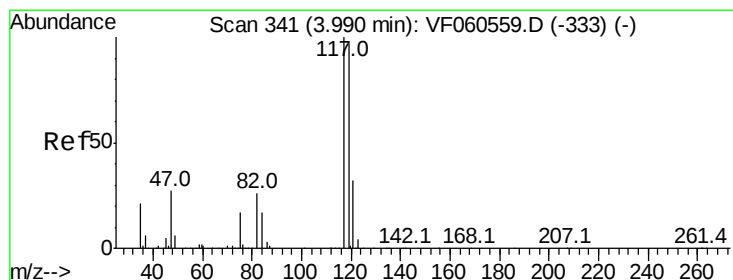
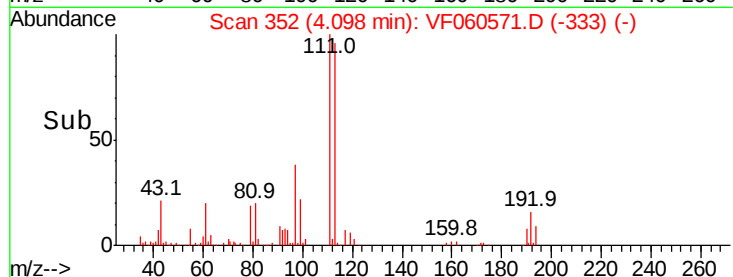
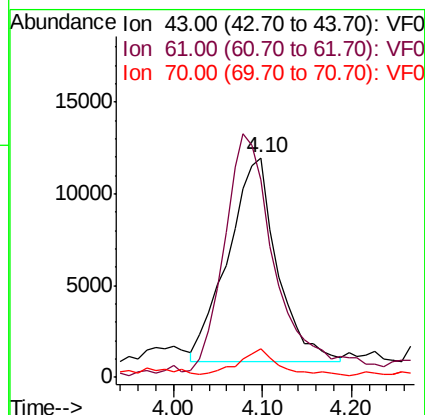
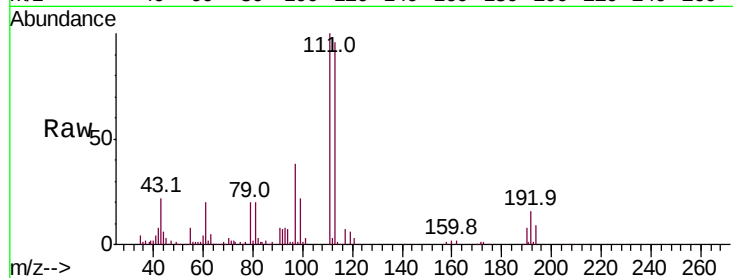




#37
Ethyl Acetate
Concen: 18.520 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.01 min
Lab File: VF060571.D
Acq: 5 Nov 2018 14:01

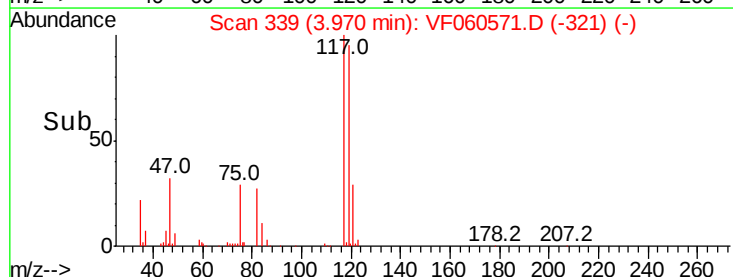
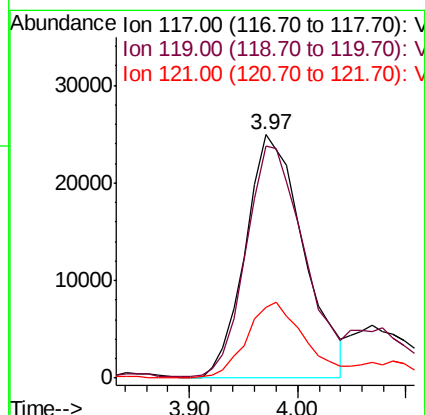
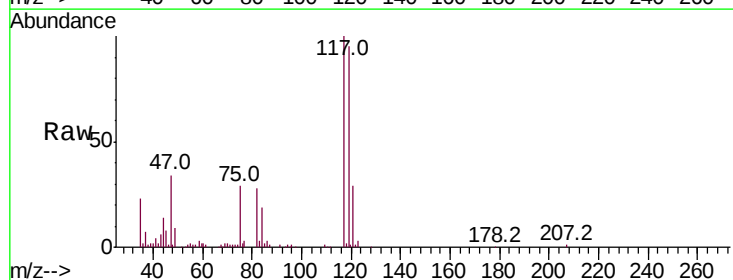
Instrument :
MSVOA_F
ClientSampleId :

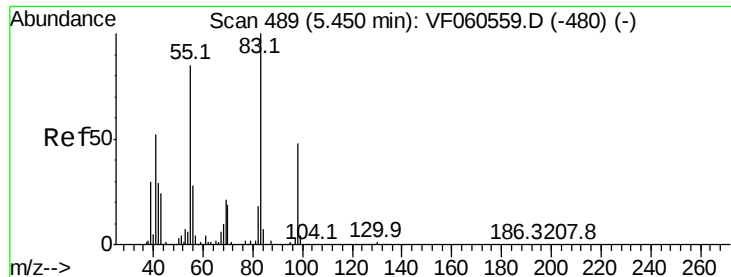
Tot Ion: 43 Resp: 42500
Ion Ratio Lower Upper
43 100
61 90.0 63.4 95.2
70 13.0 9.3 13.9



#38
Carbon Tetrachloride
Concen: 22.864 ug/l
RT: 3.97 min Scan# 339
Delta R.T. -0.02 min
Lab File: VF060571.D
Acq: 5 Nov 2018 14:01

Tgt Ion:117 Resp: 93396
Ion Ratio Lower Upper
117 100
119 95.2 77.8 116.6
121 29.1 25.6 38.4

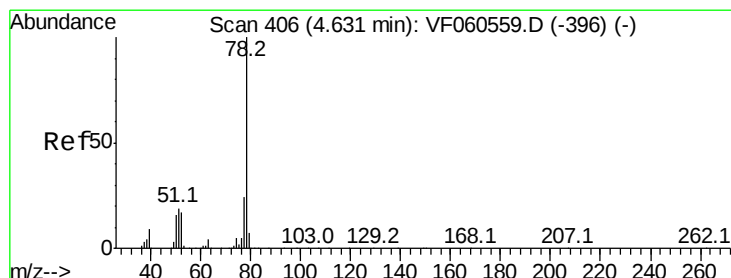
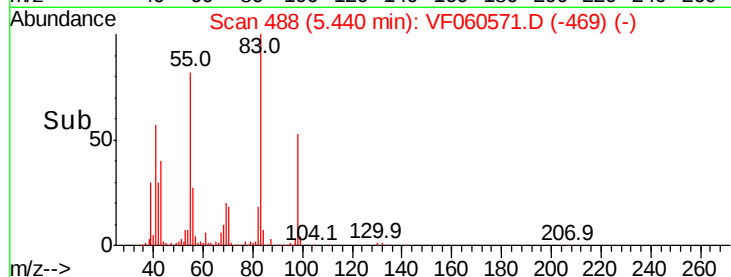
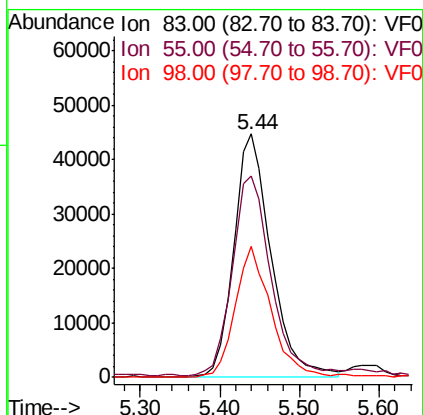
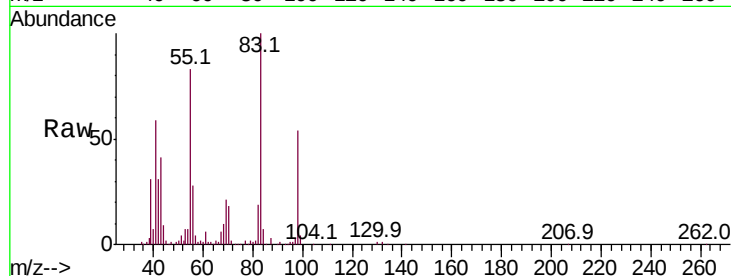




#39
Methylcyclohexane
Concen: 24.950 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.01 min
Lab File: VF060571.D
Acq: 5 Nov 2018 14:01

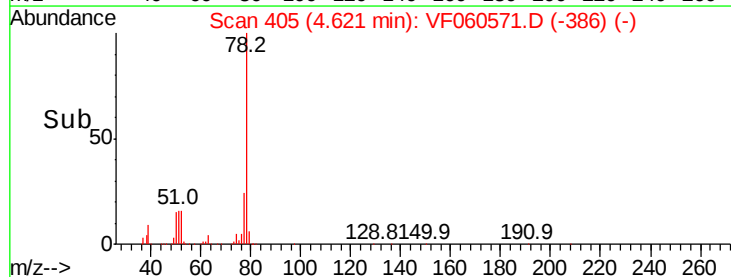
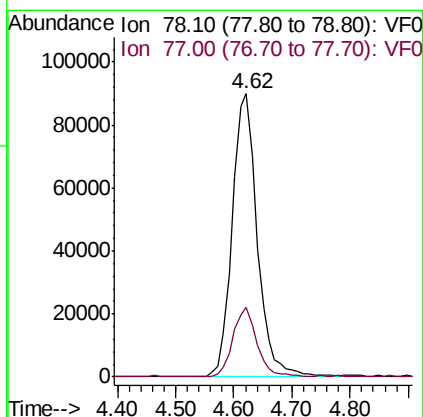
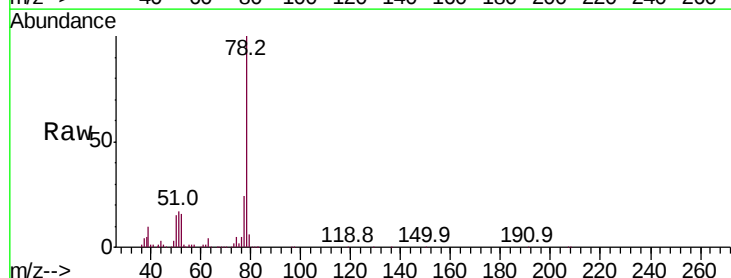
Instrument :
MSVOA_F
ClientSampled :

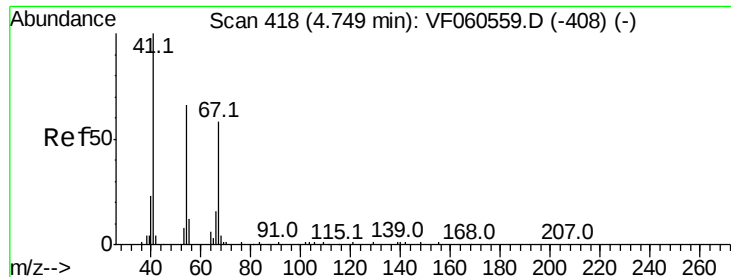
Tot Ion: 83 Resp: 145552
Ion Ratio Lower Upper
83 100
55 82.6 69.1 103.7
98 53.6 38.6 57.8



#40
Benzene
Concen: 23.226 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.01 min
Lab File: VF060571.D
Acq: 5 Nov 2018 14:01

Tgt Ion: 78 Resp: 269506
Ion Ratio Lower Upper
78 100
77 24.4 19.3 28.9

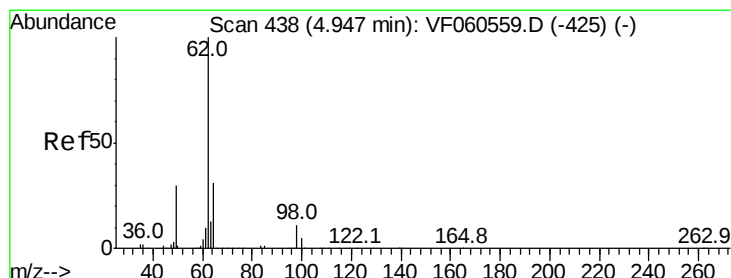
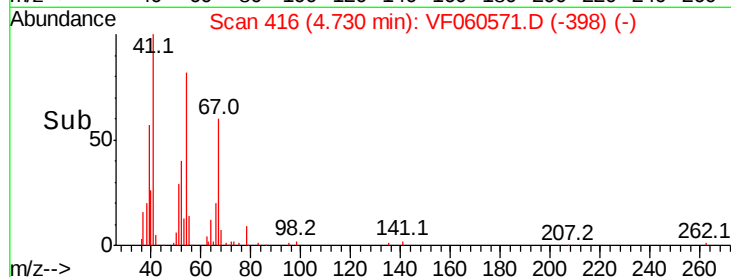
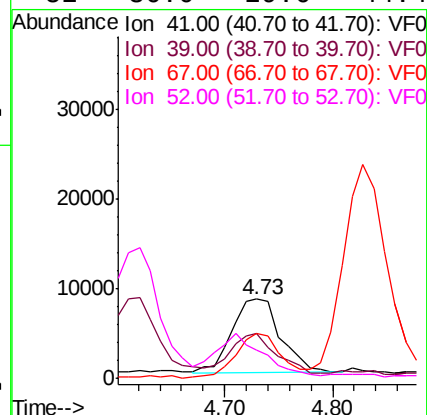
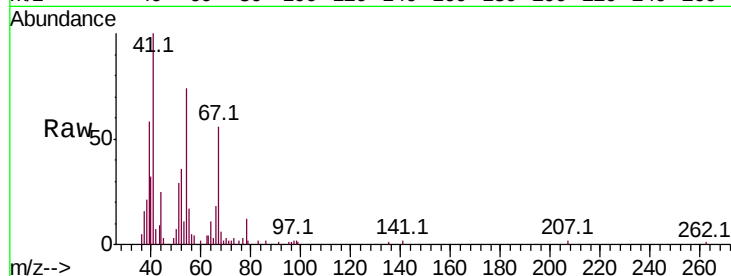




#41
Methacrylonitrile
Concen: 19.633 ug/l
RT: 4.73 min Scan# 416
Delta R.T. -0.02 min
Lab File: VF060571.D
Acq: 5 Nov 2018 14:01

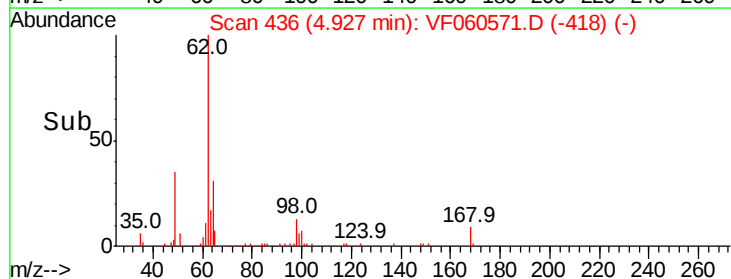
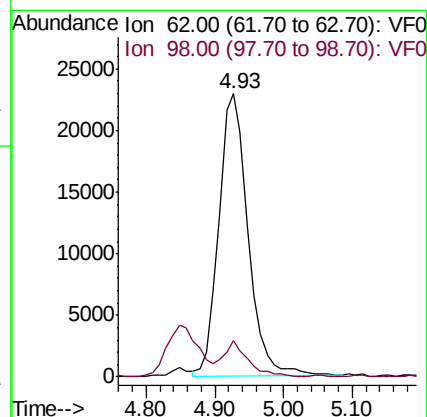
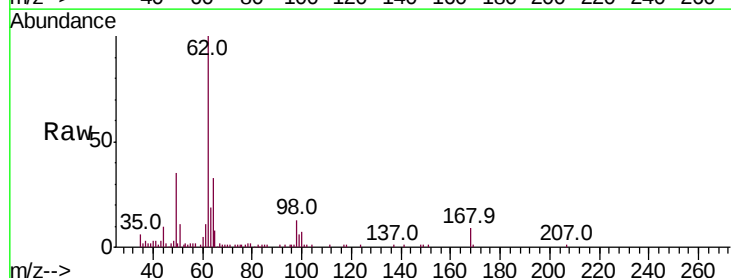
Instrument :
MSVOA_F
ClientSampleId :

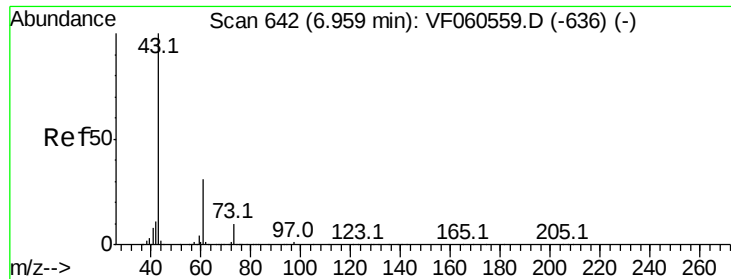
Tot Ion:	41	Resp:	25514
Ion	Ratio	Lower	Upper
41	100		
39	57.7	45.6	68.4
67	56.4	45.3	67.9
52	36.0	29.6	44.4



#42
1,2-Dichloroethane
Concen: 20.287 ug/l
RT: 4.93 min Scan# 436
Delta R.T. -0.02 min
Lab File: VF060571.D
Acq: 5 Nov 2018 14:01

Tgt Ion:	62	Resp:	67564
Ion	Ratio	Lower	Upper
62	100		
98	12.9	0.0	22.4



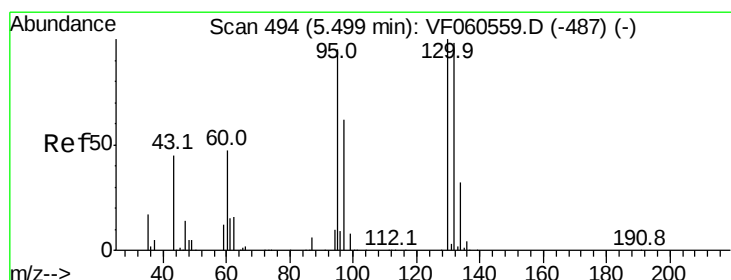
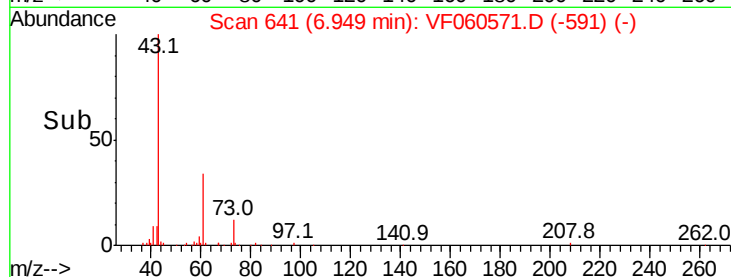
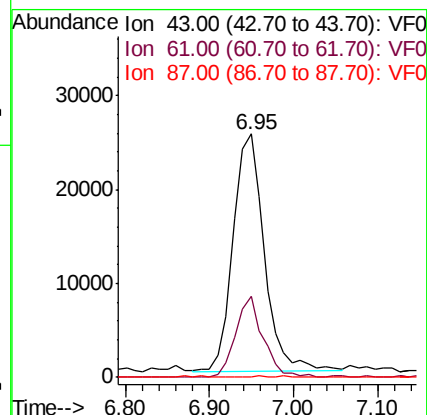
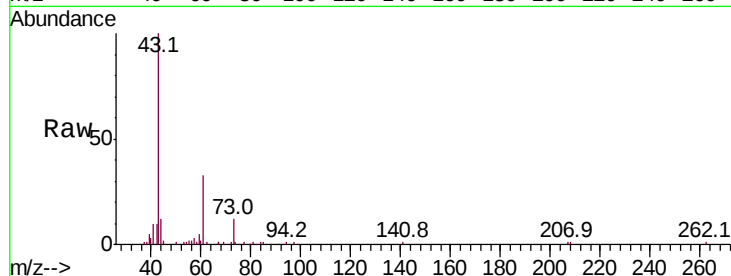


#43

Isopropyl Acetate
 Concen: 22.459 ug/l
 RT: 6.95 min Scan# 641
 Delta R.T. -0.01 min
 Lab File: VF060571.D
 Acq: 5 Nov 2018 14:01

Instrument :
 MSVOA_F
 ClientSampleId :

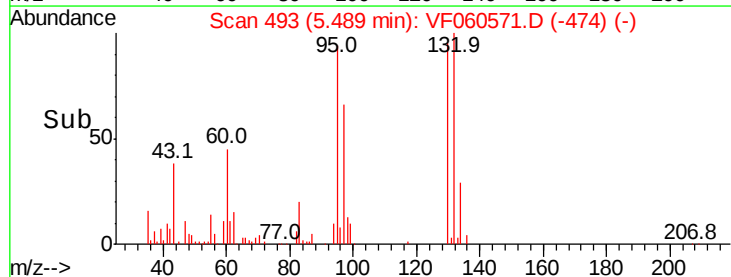
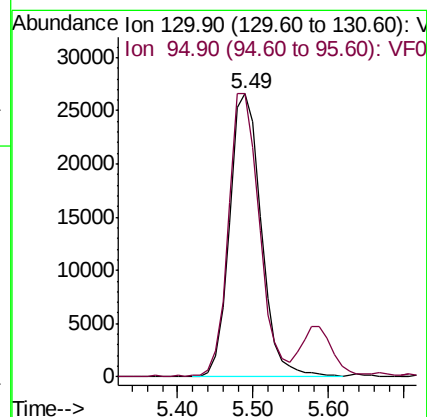
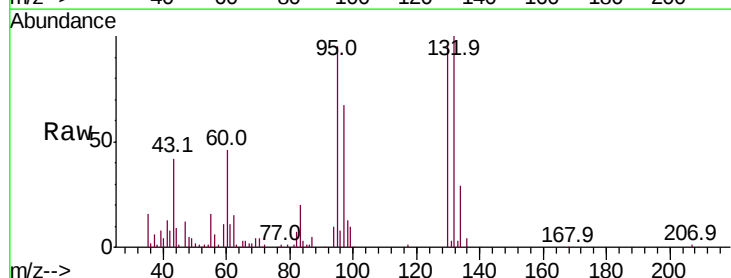
Tot Ion: 43 Resp: 65192
 Ion Ratio Lower Upper
 43 100
 61 33.4 24.2 36.2
 87 0.0 0.2 0.4#

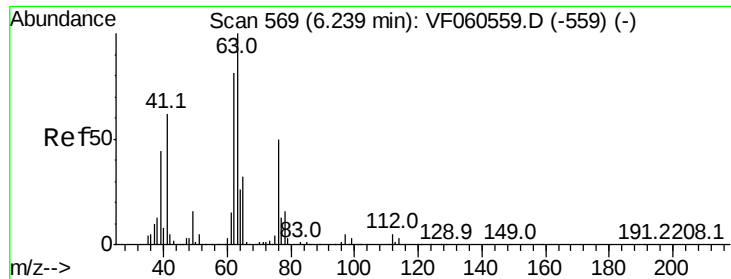


#44

Trichloroethene
 Concen: 21.987 ug/l
 RT: 5.49 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VF060571.D
 Acq: 5 Nov 2018 14:01

Tgt Ion:130 Resp: 76679
 Ion Ratio Lower Upper
 130 100
 95 100.0 0.0 191.0





#45

1,2-Dichloropropane

Concen: 22.108 ug/l

RT: 6.22 min Scan# 567

Delta R.T. -0.02 min

Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

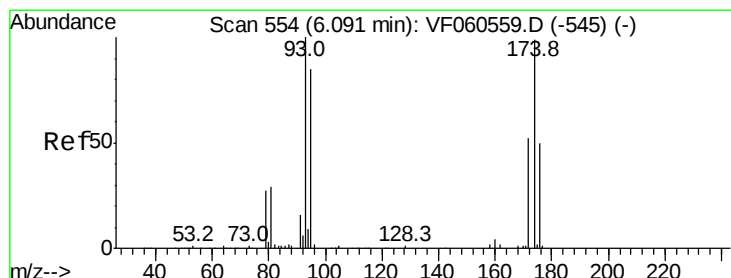
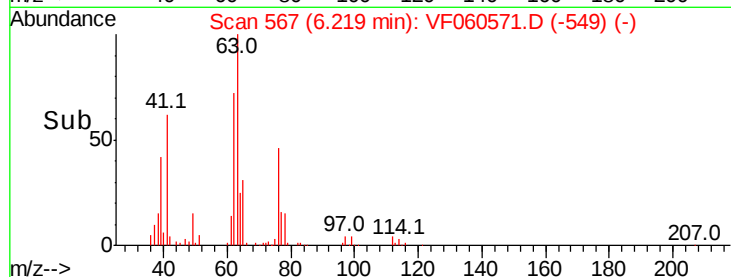
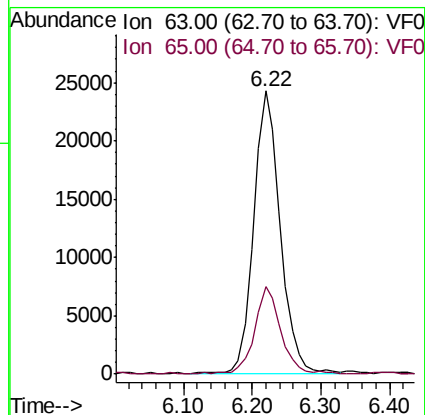
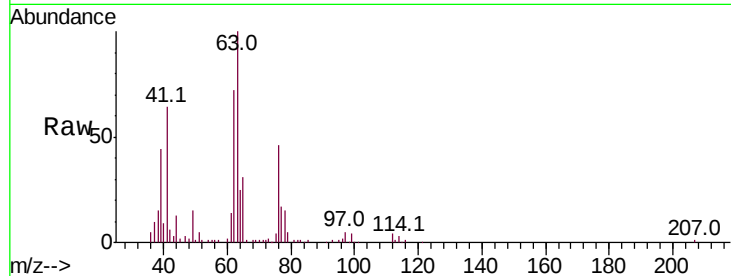
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 63 Resp: 65610

Ion Ratio Lower Upper

63 100

65 31.1 25.4 38.0



#46

Dibromomethane

Concen: 21.313 ug/l

RT: 6.07 min Scan# 552

Delta R.T. -0.02 min

Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

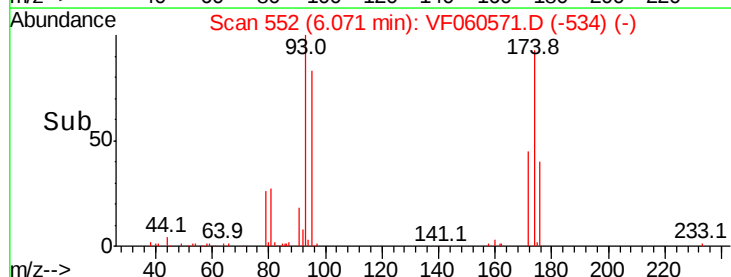
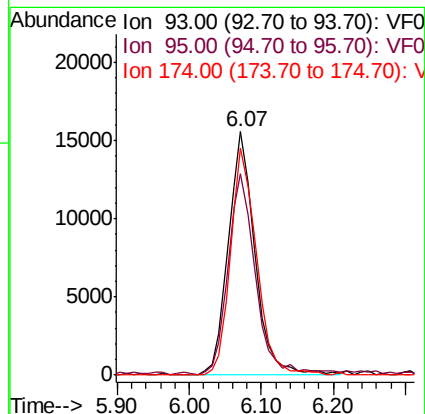
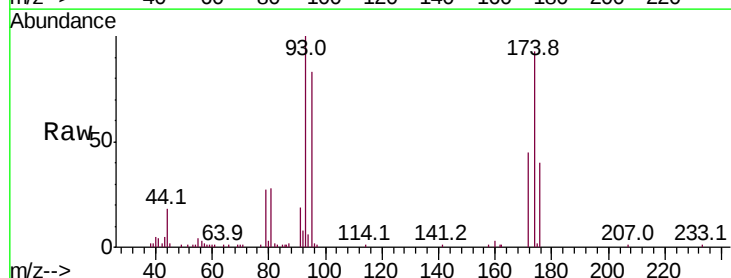
Tgt Ion: 93 Resp: 40127

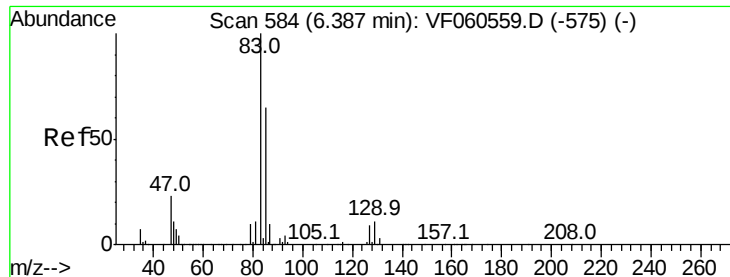
Ion Ratio Lower Upper

93 100

95 82.5 68.6 102.8

174 93.1 79.0 118.4





#47

Bromodichloromethane

Concen: 21.675 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.02 min

Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

Instrument :
MSVOA_F
ClientSampled :

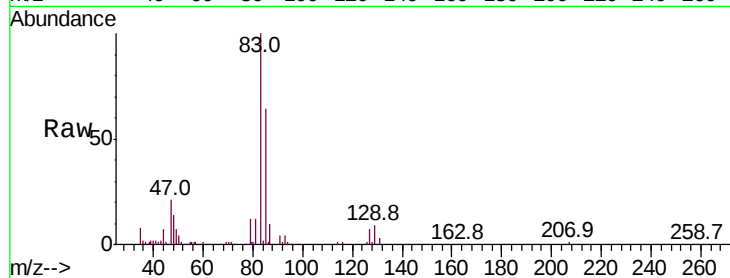
Tot Ion: 83 Resp: 98433

Ion Ratio Lower Upper

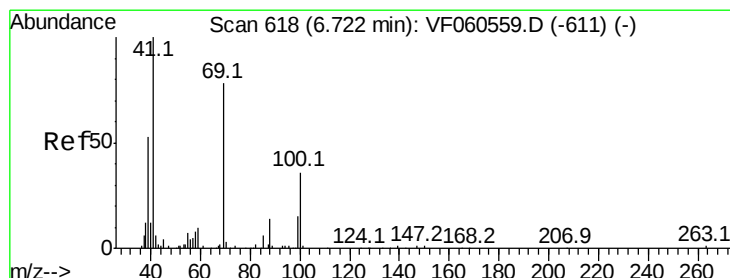
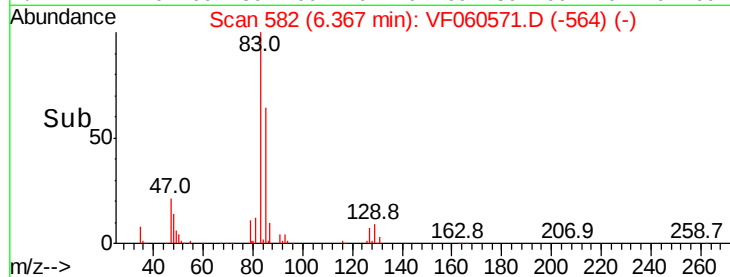
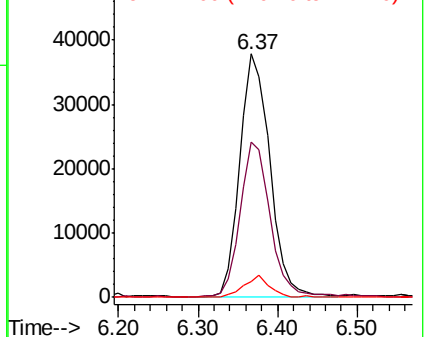
83 100

85 63.5 51.8 77.6

127 6.7 7.0 10.4#



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: 21.998 ug/l

RT: 6.70 min Scan# 616

Delta R.T. -0.02 min

Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

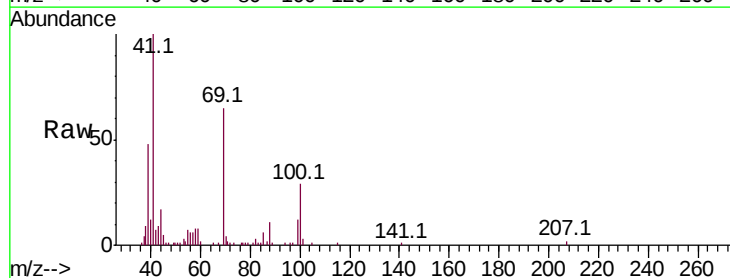
Tgt Ion: 41 Resp: 40131

Ion Ratio Lower Upper

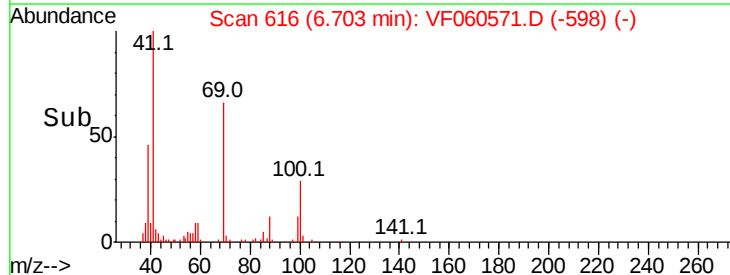
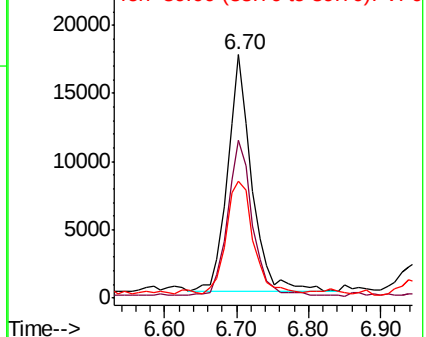
41 100

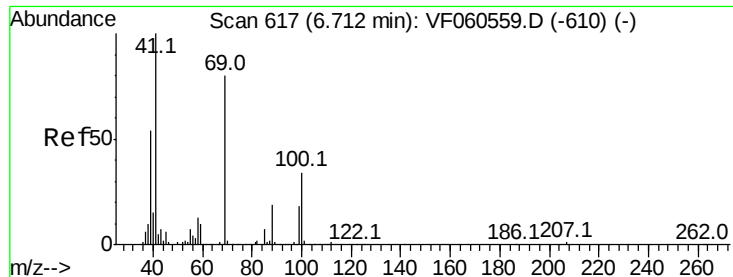
69 65.0 61.1 91.7

39 47.9 43.0 64.6



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

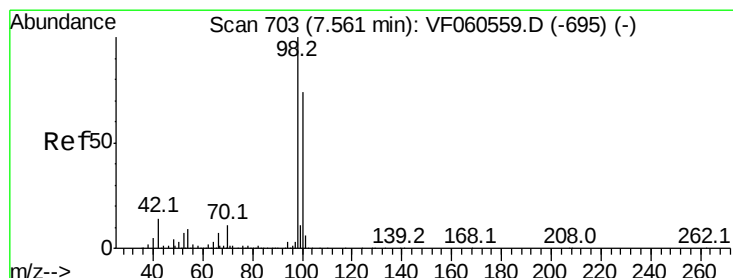
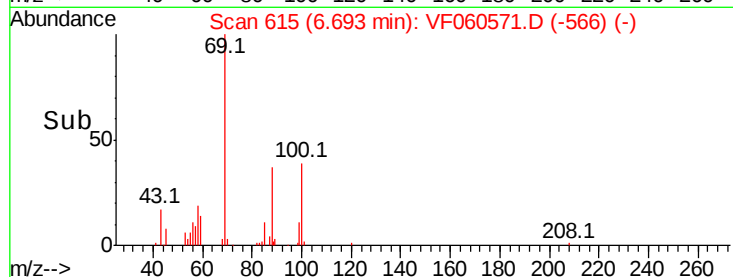
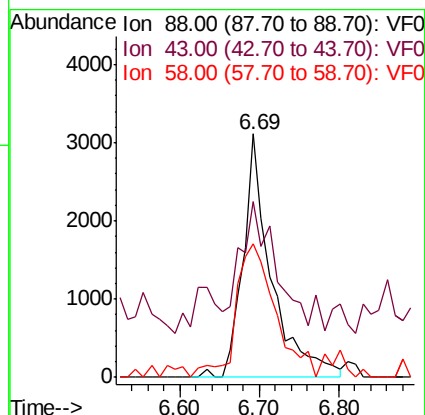
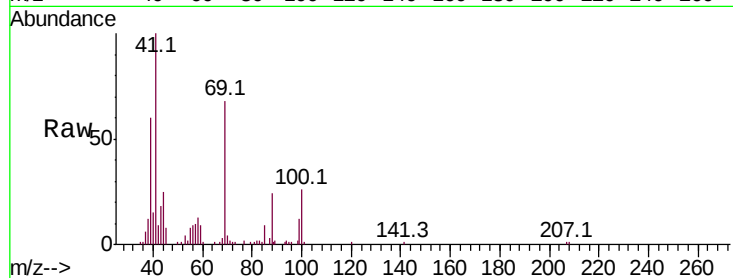




#49
1,4-Dioxane
Concen: 399.023 ug/l
RT: 6.69 min Scan# 615
Delta R.T. -0.02 min
Lab File: VF060571.D
Acq: 5 Nov 2018 14:01

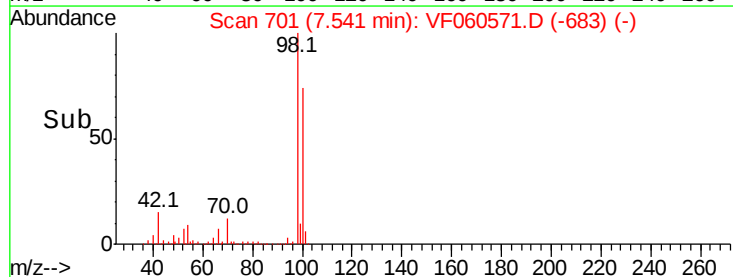
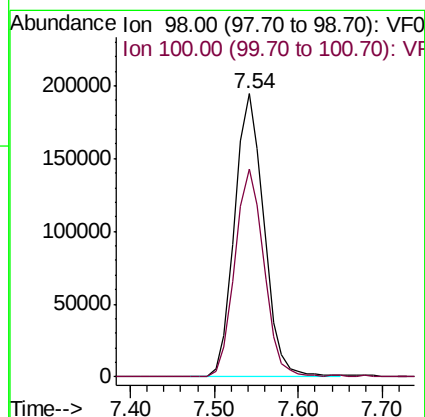
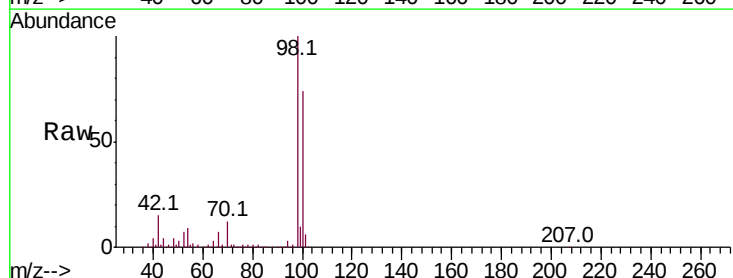
Instrument :
MSVOA_F
ClientSampled :

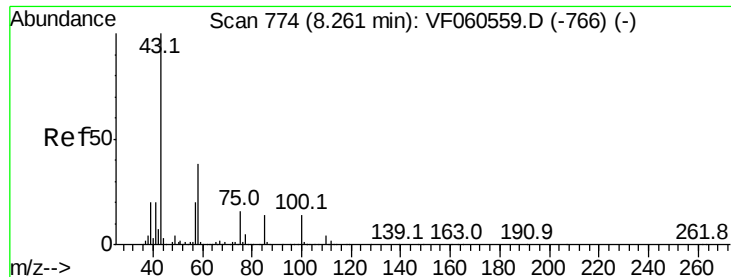
Tot Ion: 88 Resp: 7615
Ion Ratio Lower Upper
88 100
43 72.0 61.2 91.8
58 55.1 56.9 85.3#



#50
Toluene-d8
Concen: 47.712 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.02 min
Lab File: VF060571.D
Acq: 5 Nov 2018 14:01

Tgt Ion: 98 Resp: 474097
Ion Ratio Lower Upper
98 100
100 73.6 59.4 89.2





#51

4-Methyl-2-Pentanone

Concen: 120.036 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.02 min

Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

Instrument :

MSVOA_F

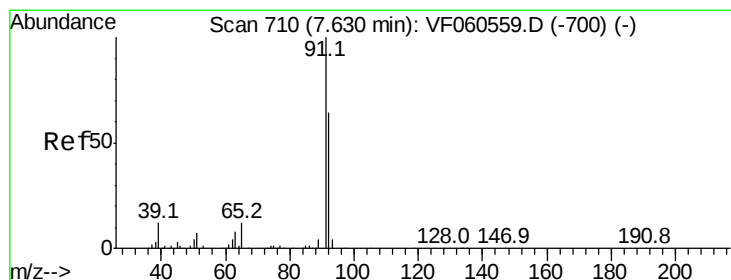
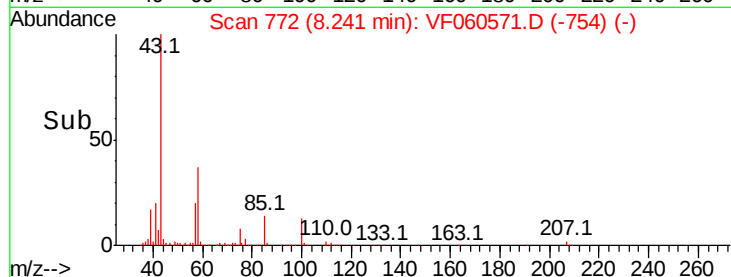
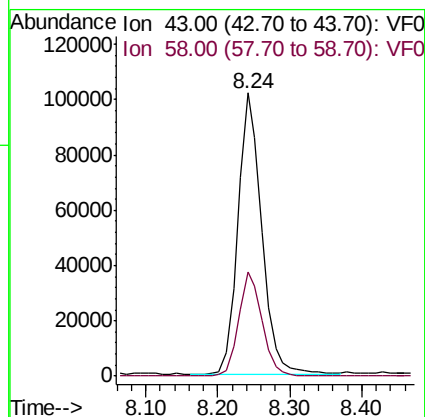
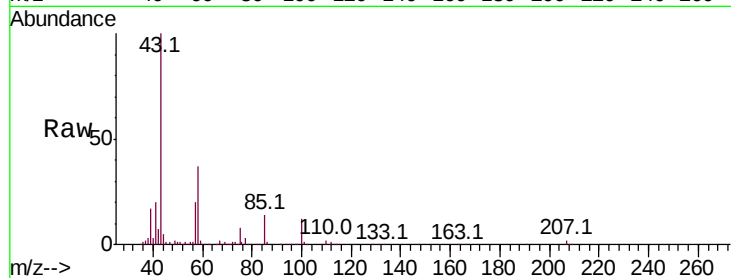
ClientSampled :

Tot Ion: 43 Resp: 234307

Ion Ratio Lower Upper

43 100

58 36.8 30.1 45.1



#52

Toluene

Concen: 21.781 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.02 min

Lab File: VF060571.D

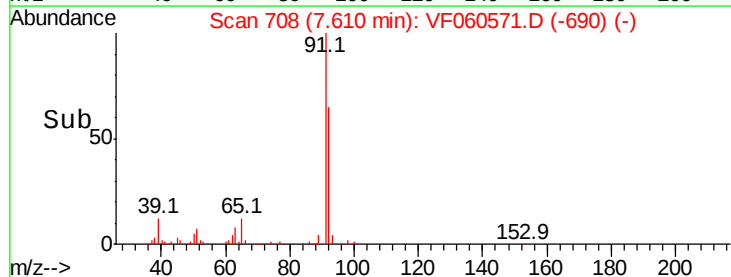
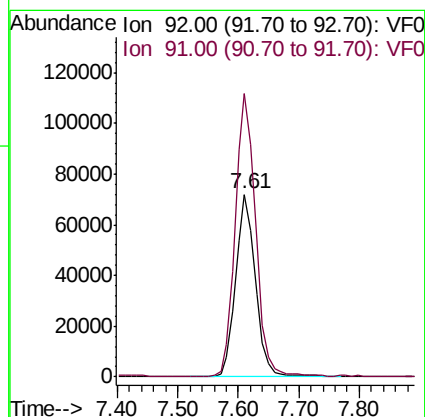
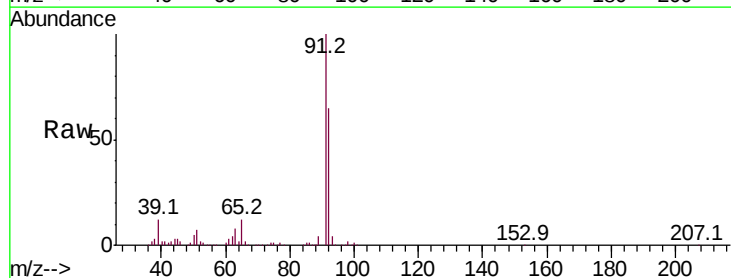
Acq: 5 Nov 2018 14:01

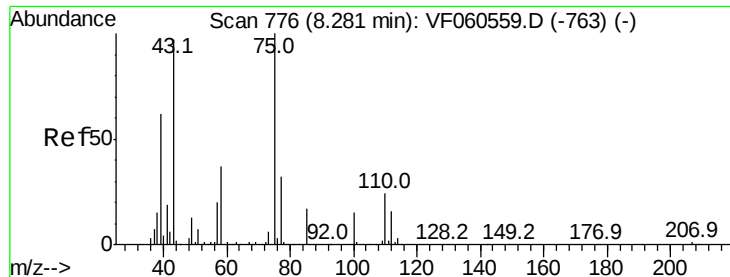
Tgt Ion: 92 Resp: 164641

Ion Ratio Lower Upper

92 100

91 154.9 124.5 186.7

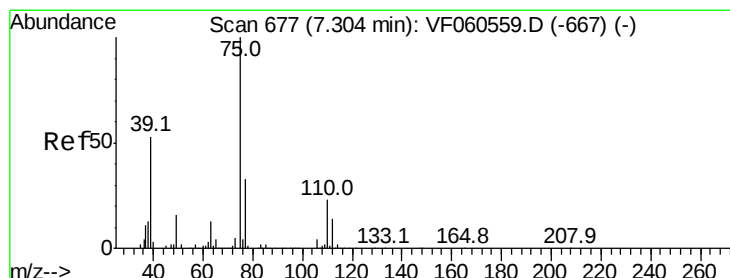
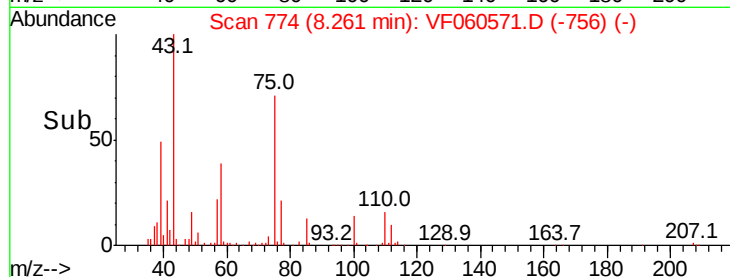
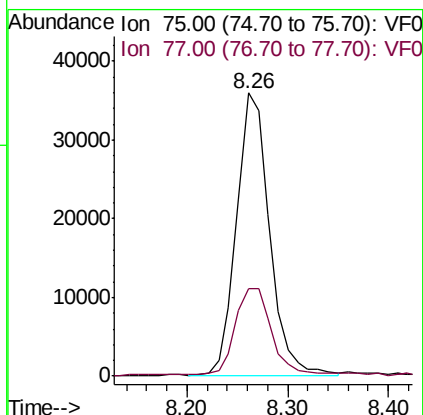
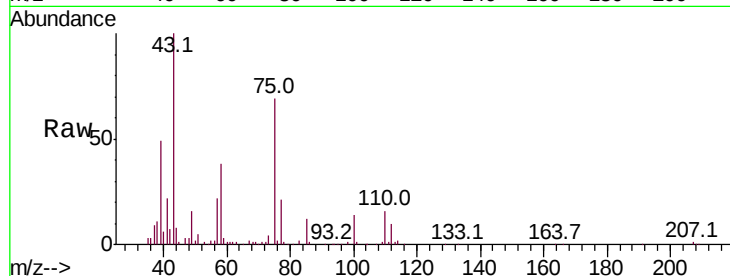




#53
t-1,3-Dichloropropene
Concen: 20.741 ug/l
RT: 8.26 min Scan# 774
Delta R.T. -0.02 min
Lab File: VF060571.D
Acq: 5 Nov 2018 14:01

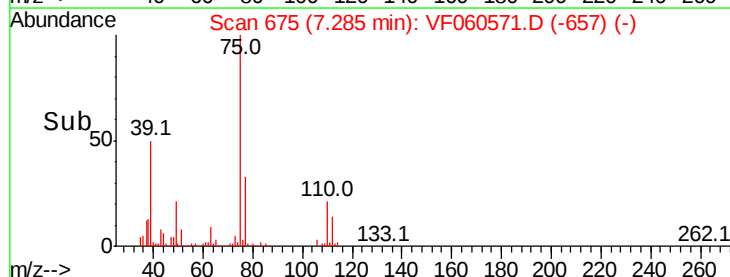
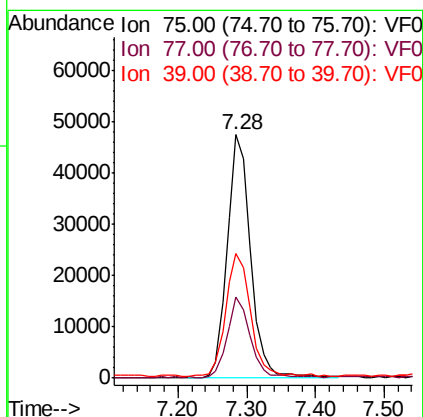
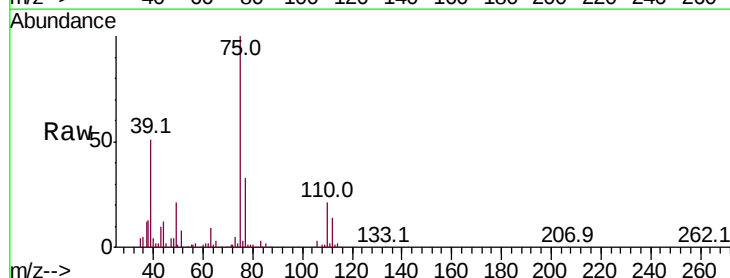
Instrument :
MSVOA_F
ClientSampled :

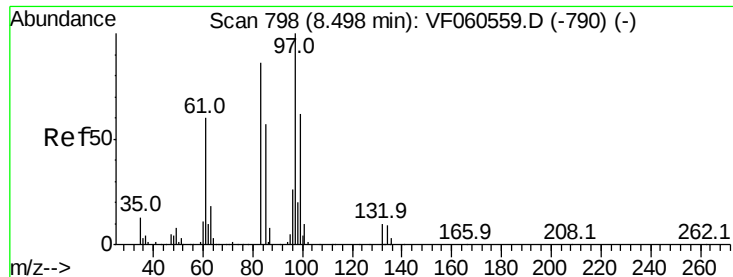
Tot Ion: 75 Resp: 81863
Ion Ratio Lower Upper
75 100
77 31.0 25.7 38.5



#54
cis-1,3-Dichloropropene
Concen: 22.506 ug/l
RT: 7.28 min Scan# 675
Delta R.T. -0.02 min
Lab File: VF060571.D
Acq: 5 Nov 2018 14:01

Tgt Ion: 75 Resp: 112232
Ion Ratio Lower Upper
75 100
77 33.4 26.7 40.1
39 51.3 43.0 64.4





#55

1,1,2-Trichloroethane

Concen: 21.344 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.02 min

Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 97 Resp: 46949

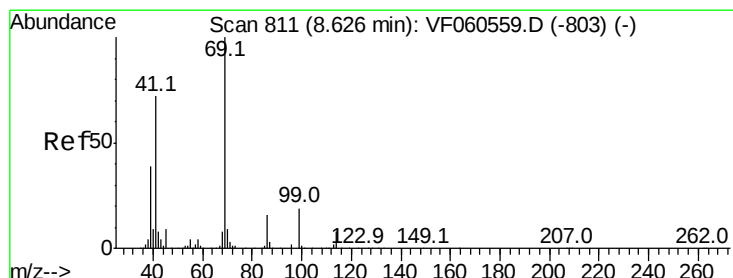
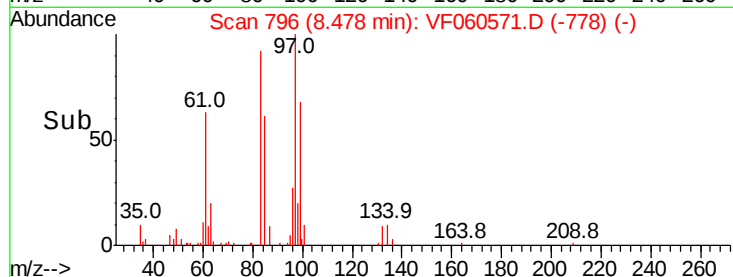
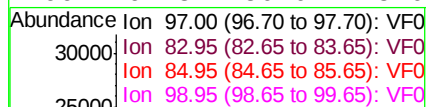
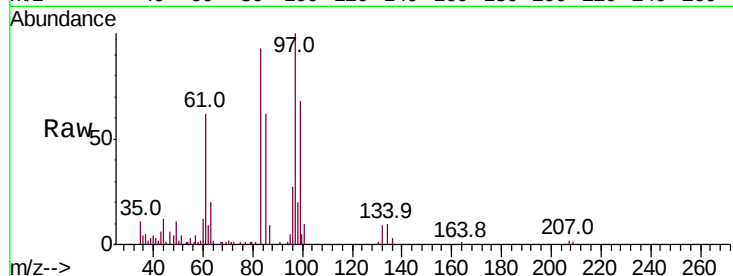
Ion Ratio Lower Upper

97 100

83 92.7 69.4 104.0

85 61.8 46.6 69.8

99 67.8 50.0 75.0



#56

Ethyl methacrylate

Concen: 22.094 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.02 min

Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

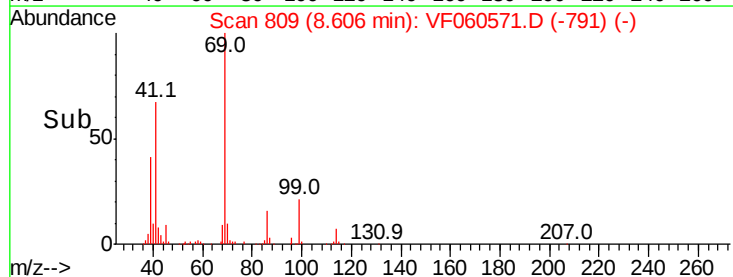
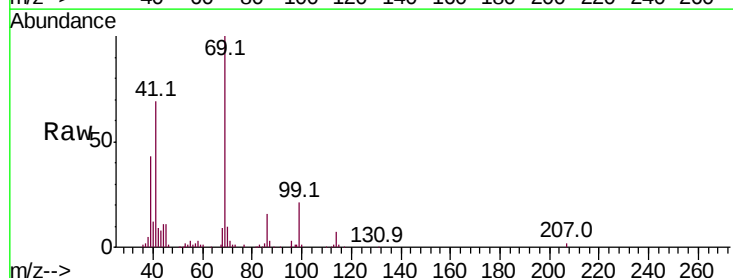
Tgt Ion: 69 Resp: 62526

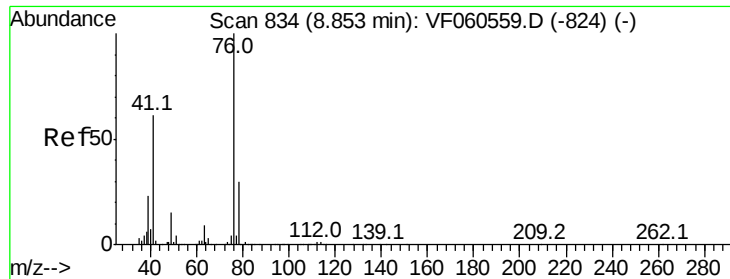
Ion Ratio Lower Upper

69 100

41 69.2 59.2 88.8

39 43.3 32.3 48.5





#57

1,3-Dichloropropane

Concen: 20.989 ug/l

RT: 8.84 min Scan# 833

Delta R.T. -0.01 min

Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

Instrument :

MSVOA_F

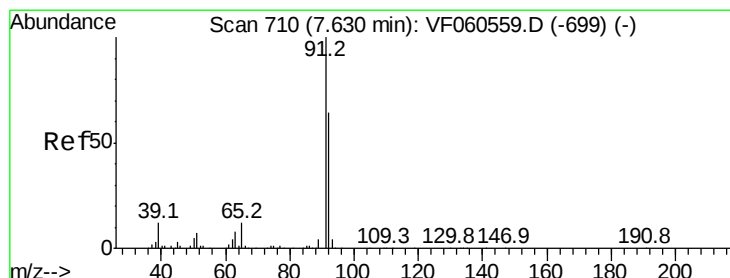
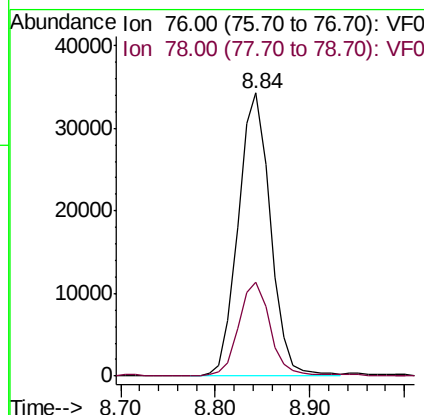
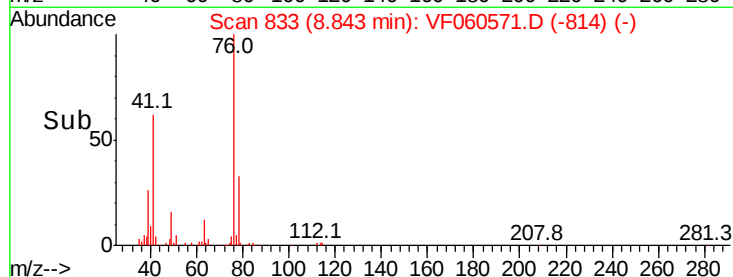
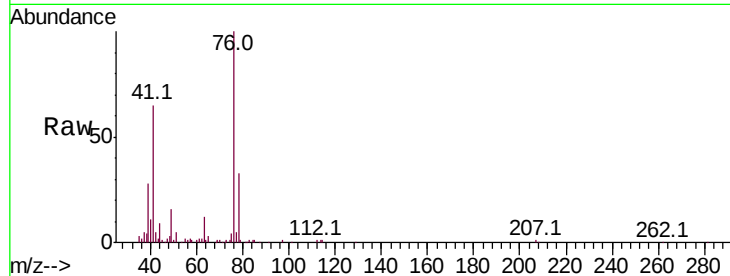
ClientSampleId :

Tot Ion: 76 Resp: 81009

Ion Ratio Lower Upper

76 100

78 33.2 24.2 36.4



#58

2-Chloroethyl Vinyl ether

Concen: 109.665 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.02 min

Lab File: VF060571.D

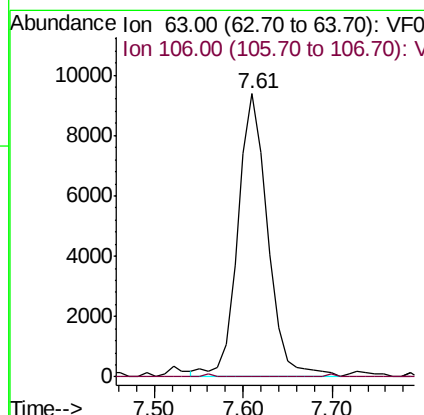
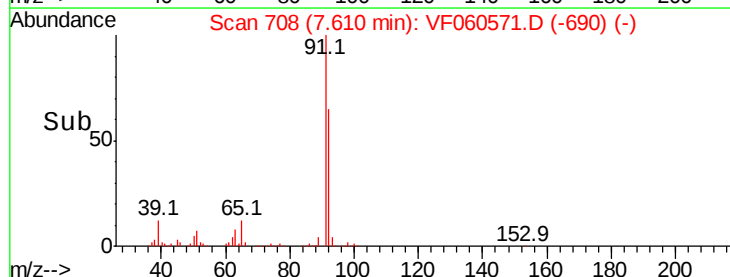
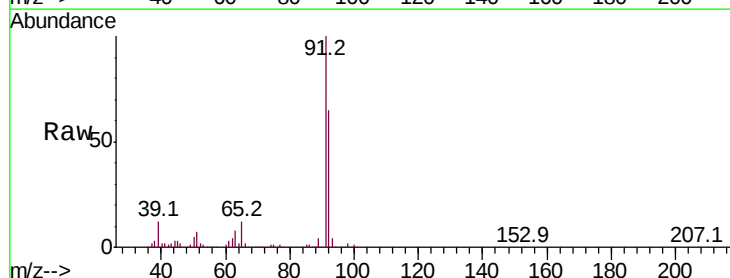
Acq: 5 Nov 2018 14:01

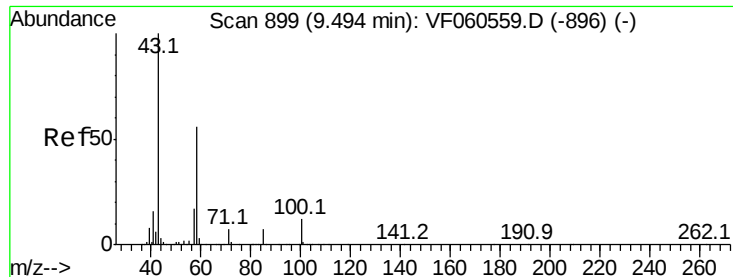
Tgt Ion: 63 Resp: 21972

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

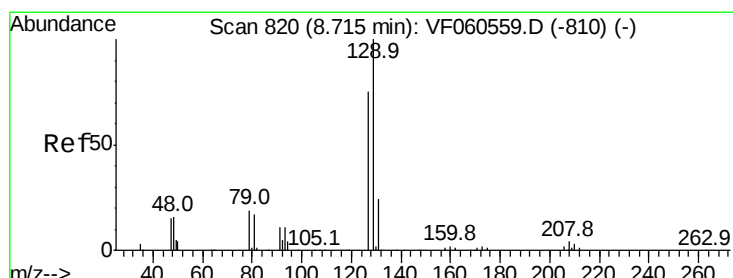
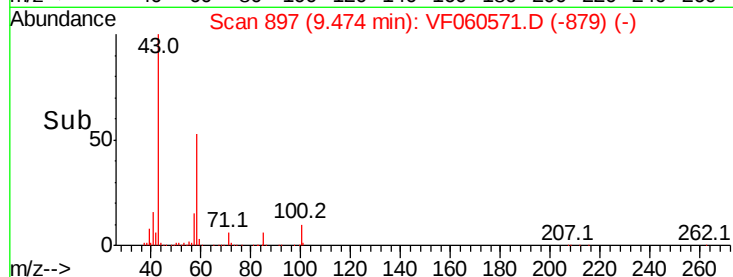
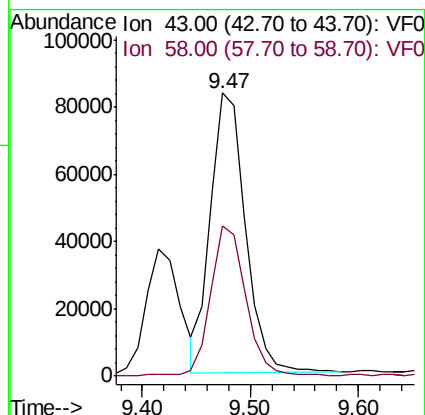
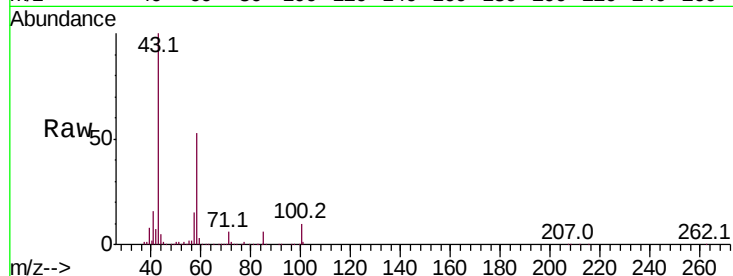




#59
2-Hexanone
Concen: 133.124 ug/l
RT: 9.47 min Scan# 897
Delta R.T. -0.02 min
Lab File: VF060571.D
Acq: 5 Nov 2018 14:01

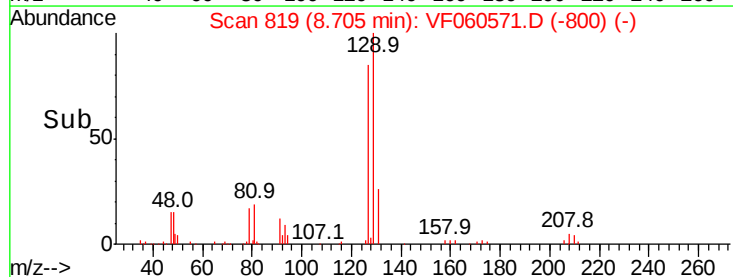
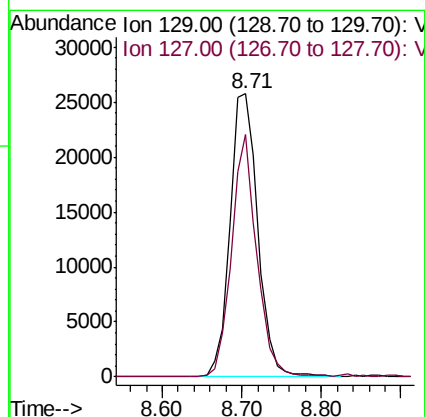
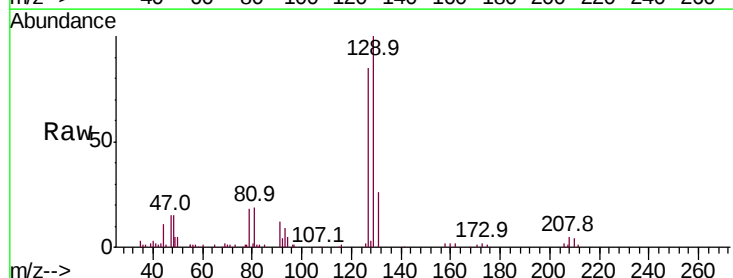
Instrument :
MSVOA_F
ClientSampleId :

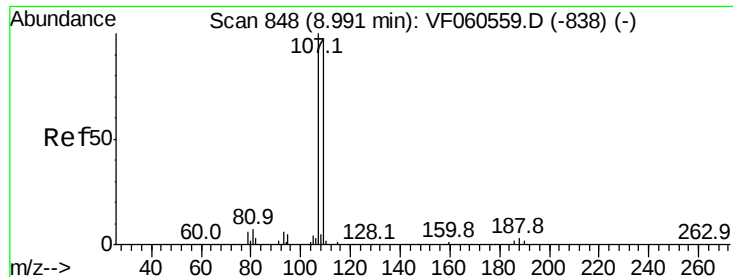
Tot Ion: 43 Resp: 187535
Ion Ratio Lower Upper
43 100
58 53.0 26.1 78.3



#60
Dibromochloromethane
Concen: 20.493 ug/l
RT: 8.71 min Scan# 819
Delta R.T. -0.01 min
Lab File: VF060571.D
Acq: 5 Nov 2018 14:01

Tgt Ion: 129 Resp: 63042
Ion Ratio Lower Upper
129 100
127 85.4 37.8 113.3





#61

1,2-Dibromoethane

Concen: 21.493 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.02 min

Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

Instrument :

MSVOA_F

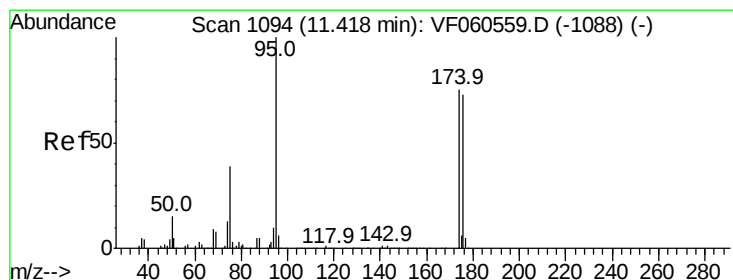
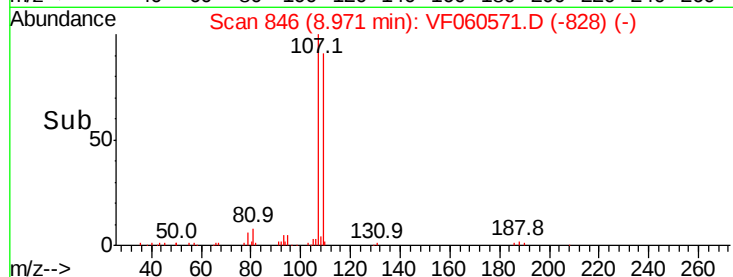
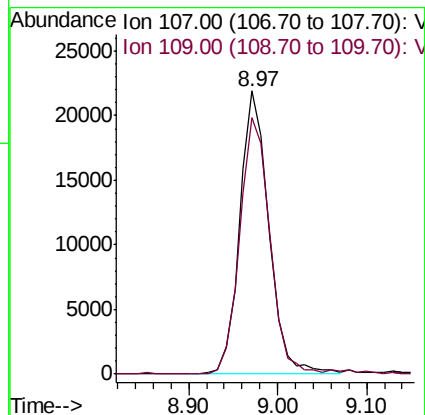
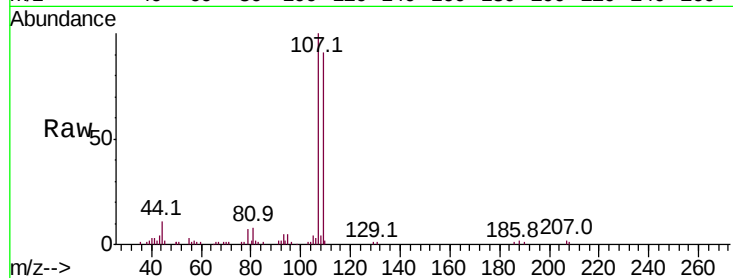
ClientSampleId :

Tot Ion:107 Resp: 49717

Ion Ratio Lower Upper

107 100

109 90.5 77.5 116.3



#62

4-Bromofluorobenzene

Concen: 53.321 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

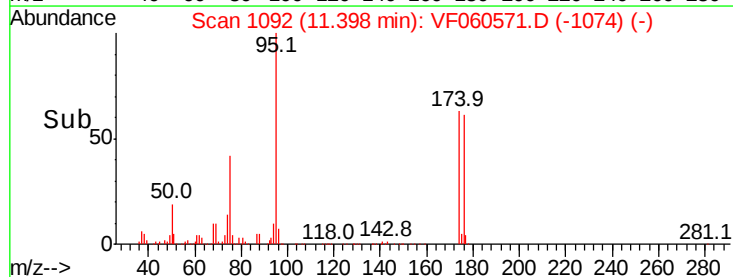
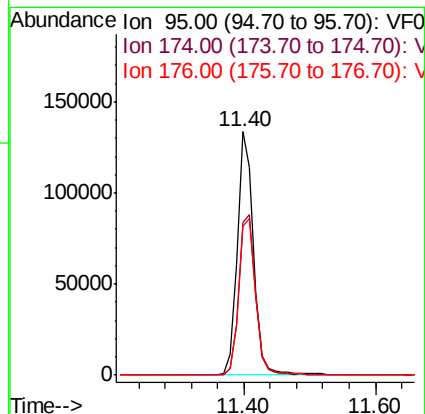
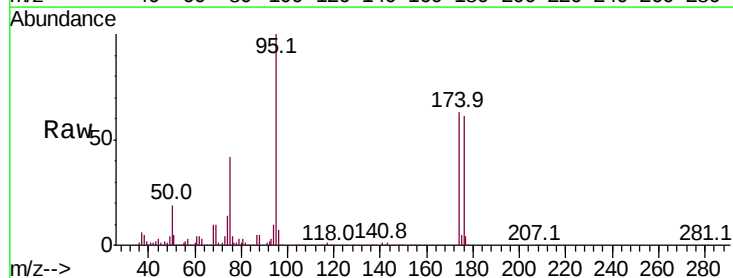
Tgt Ion: 95 Resp: 231755

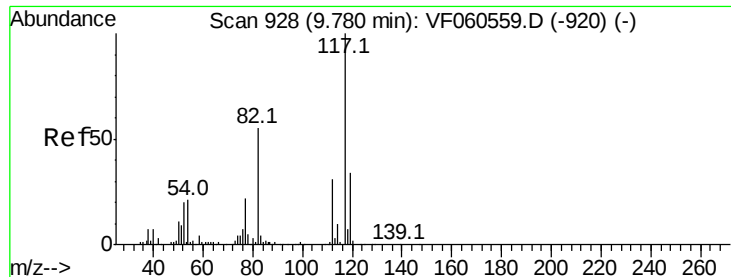
Ion Ratio Lower Upper

95 100

174 62.8 0.0 149.0

176 61.4 0.0 145.6

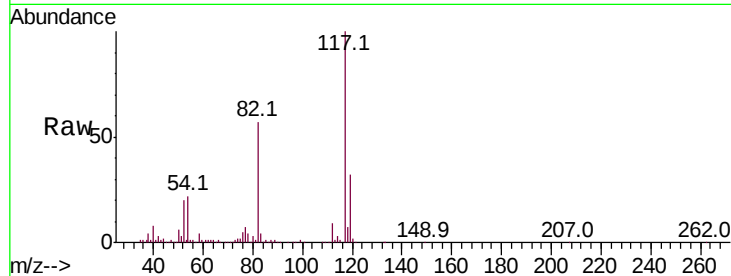




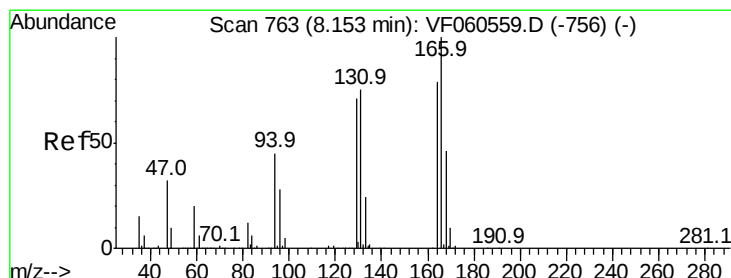
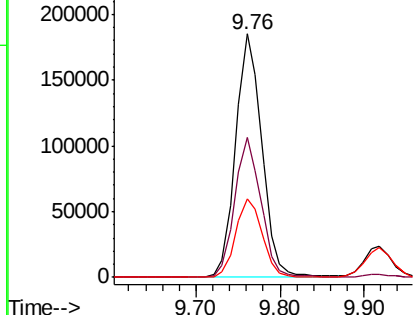
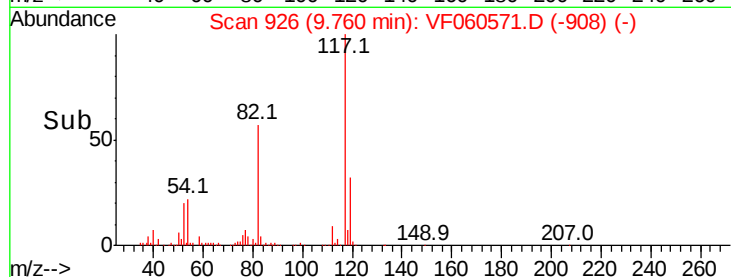
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.02 min
Lab File: VF060571.D
Acq: 5 Nov 2018 14:01

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:117 Resp: 403433
Ion Ratio Lower Upper
117 100
82 57.3 43.9 65.9
119 32.1 27.4 41.0

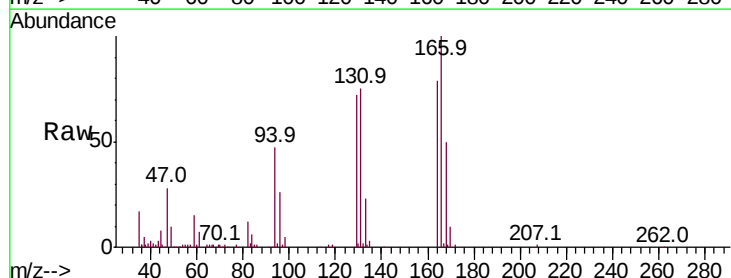


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

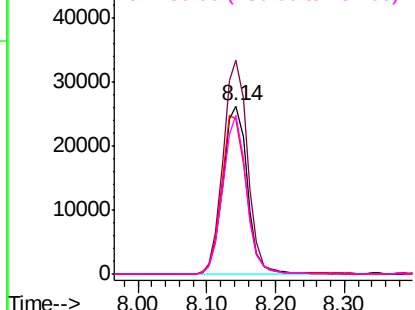
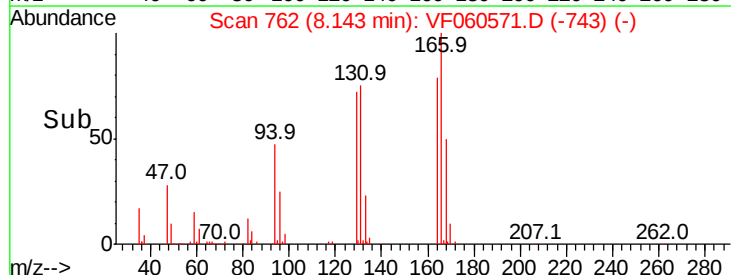


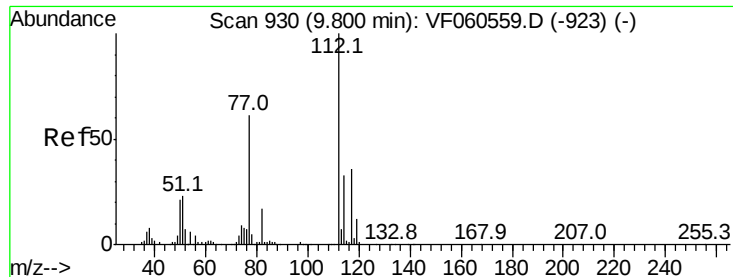
#64
Tetrachloroethene
Concen: 20.372 ug/l
RT: 8.14 min Scan# 762
Delta R.T. -0.01 min
Lab File: VF060571.D
Acq: 5 Nov 2018 14:01

Tgt Ion:164 Resp: 64412
Ion Ratio Lower Upper
164 100
166 127.2 101.5 152.3
129 92.0 72.5 108.7
131 94.7 76.4 114.6



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: 21.303 ug/l

RT: 9.79 min Scan# 929

Delta R.T. -0.01 min

Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

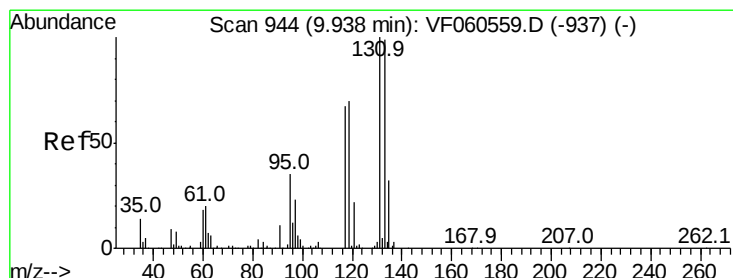
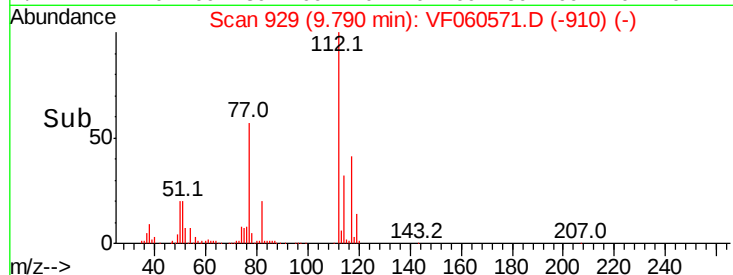
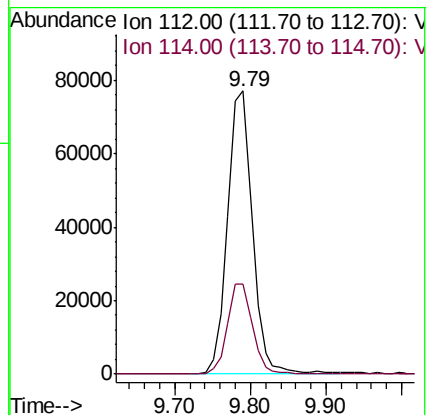
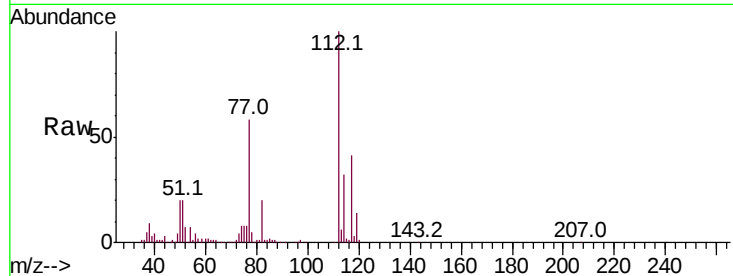
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:112 Resp: 175755

Ion Ratio Lower Upper

112 100

114 31.8 26.6 40.0



#66

1,1,1,2-Tetrachloroethane

Concen: 21.591 ug/l

RT: 9.92 min Scan# 942

Delta R.T. -0.02 min

Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

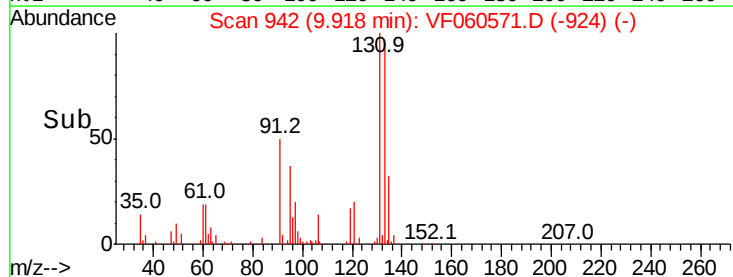
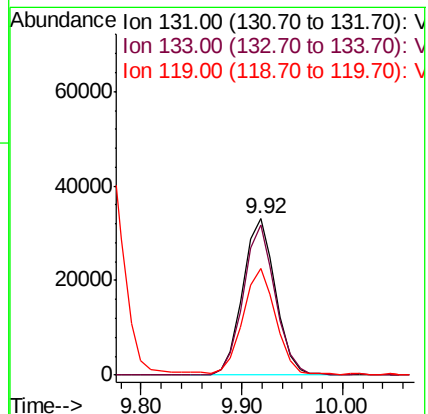
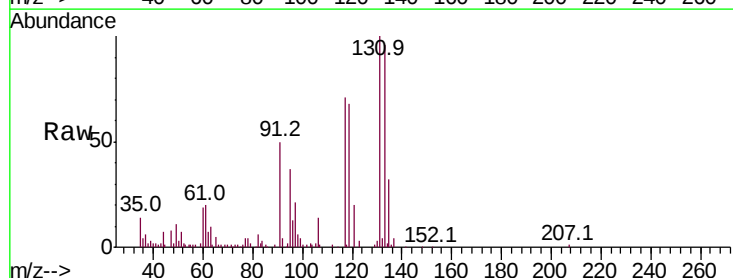
Tgt Ion:131 Resp: 75267

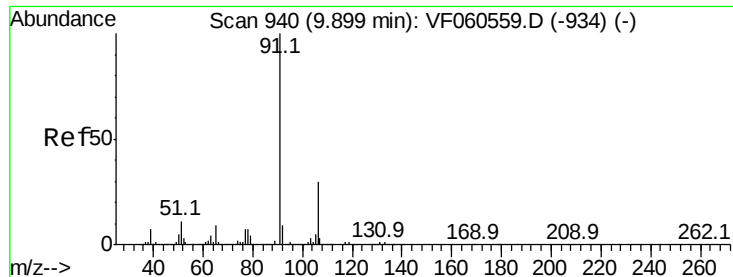
Ion Ratio Lower Upper

131 100

133 96.3 49.5 148.7

119 68.0 35.2 105.6





#67

Ethyl Benzene

Concen: 22.805 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.01 min

Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

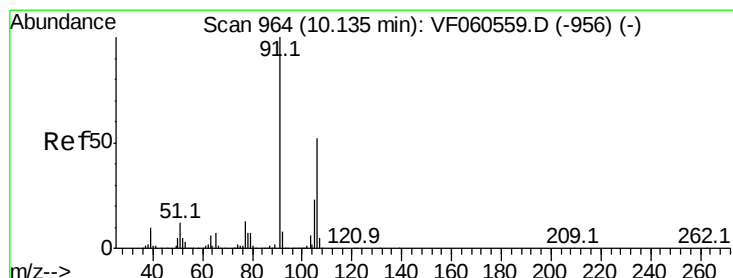
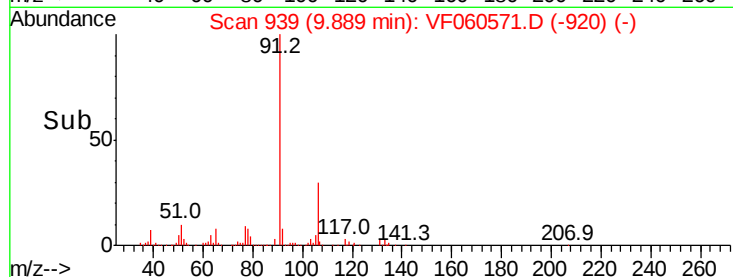
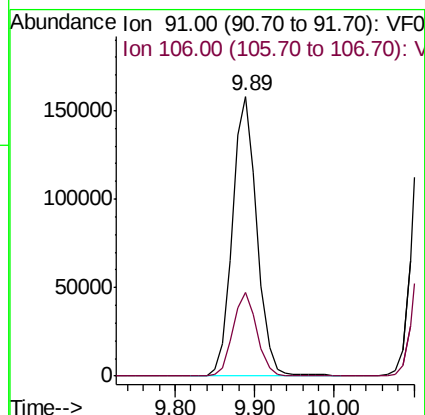
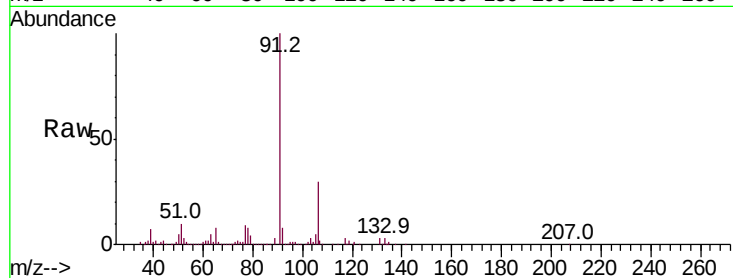
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 91 Resp: 341430

Ion Ratio Lower Upper

91 100

106 30.2 24.2 36.4



#68

m/p-Xylenes

Concen: 44.235 ug/l

RT: 10.12 min Scan# 962

Delta R.T. -0.02 min

Lab File: VF060571.D

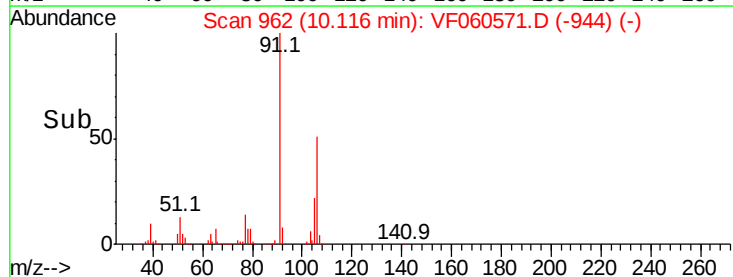
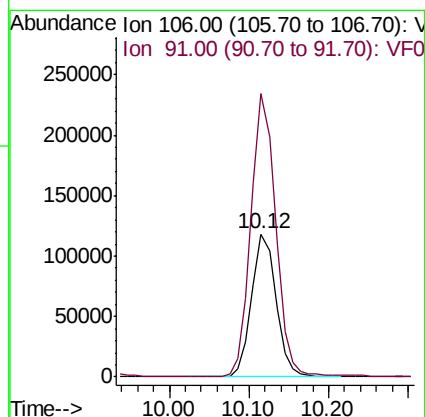
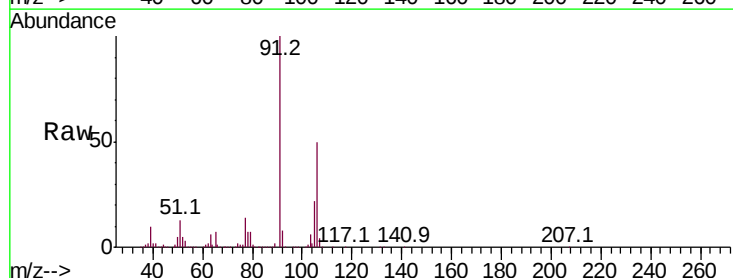
Acq: 5 Nov 2018 14:01

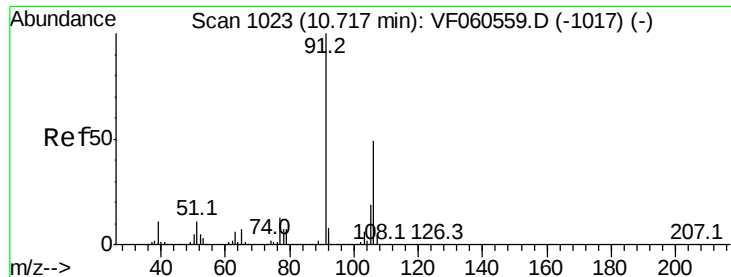
Tgt Ion:106 Resp: 249467

Ion Ratio Lower Upper

106 100

91 198.2 153.9 230.9

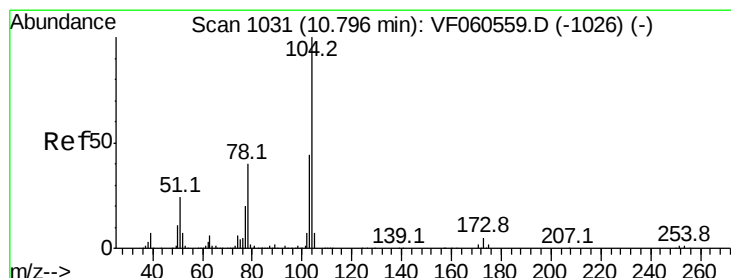
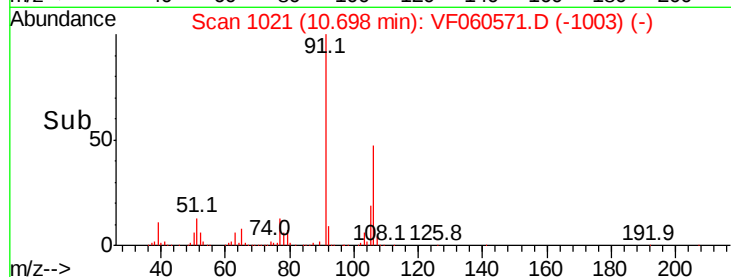
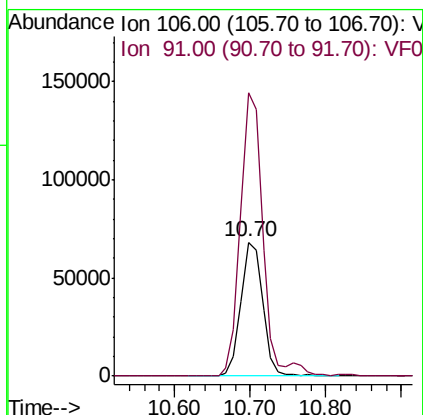
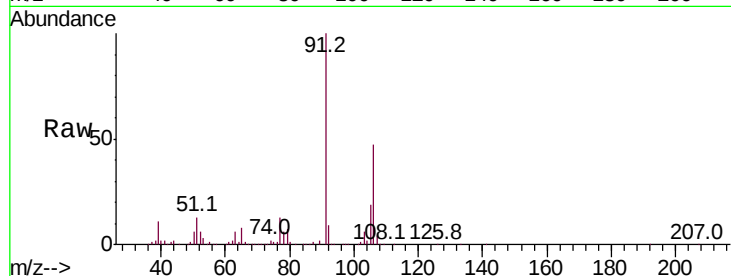




#69
o-Xylene
Concen: 22.374 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.02 min
Lab File: VF060571.D
Acq: 5 Nov 2018 14:01

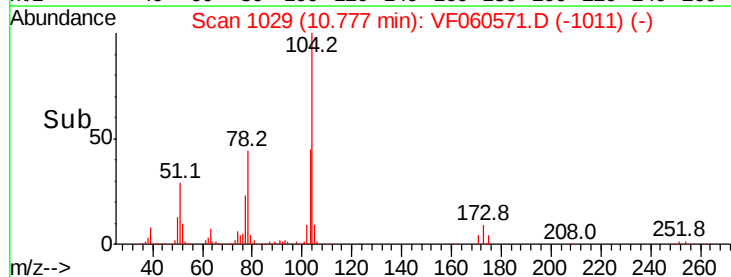
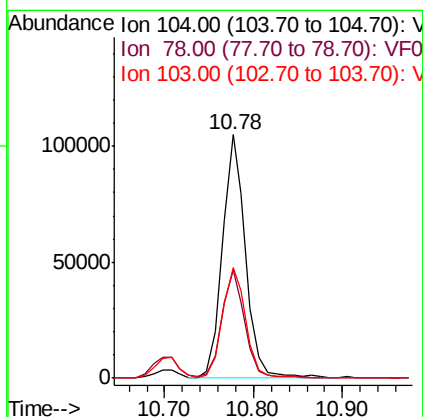
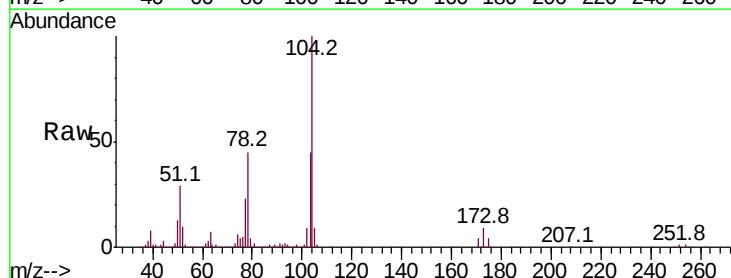
Instrument :
MSVOA_F
ClientSampled :

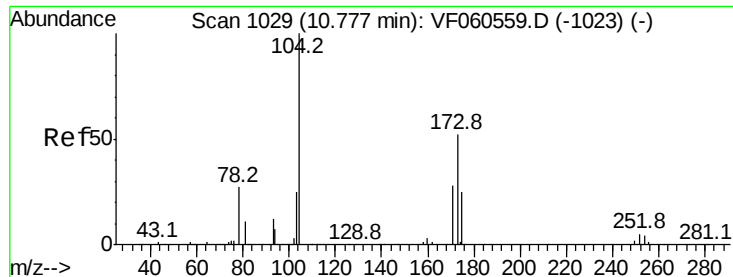
Tot Ion:106 Resp: 137780
Ion Ratio Lower Upper
106 100
91 210.9 101.8 305.3



#70
Styrene
Concen: 21.351 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.02 min
Lab File: VF060571.D
Acq: 5 Nov 2018 14:01

Tgt Ion:104 Resp: 190479
Ion Ratio Lower Upper
104 100
78 44.6 32.6 49.0
103 45.5 35.2 52.8





#71

Bromoform

Concen: 19.083 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

Instrument :

MSVOA_F

ClientSampled :

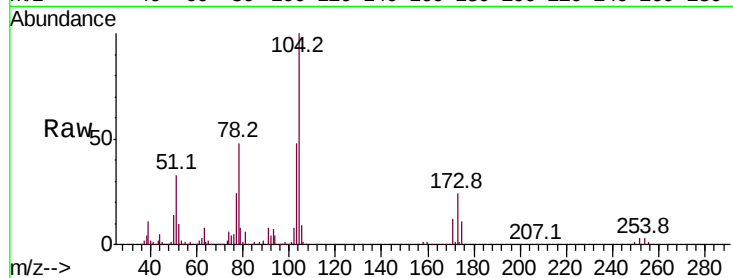
Tot Ion:173 Resp: 34358

Ion Ratio Lower Upper

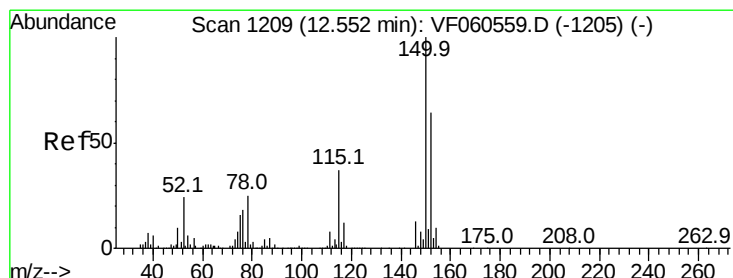
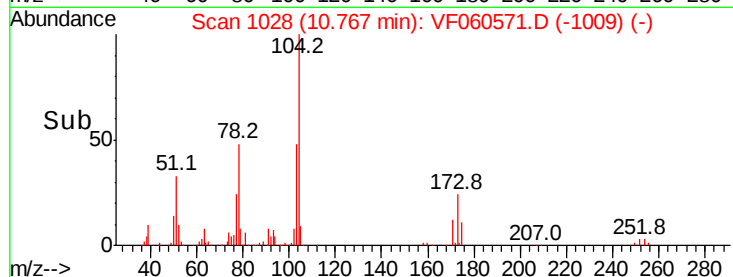
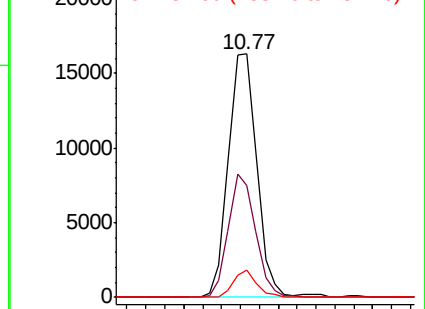
173 100

175 46.1 24.3 72.9

254 11.1 6.7 10.1#



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: 12.54 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

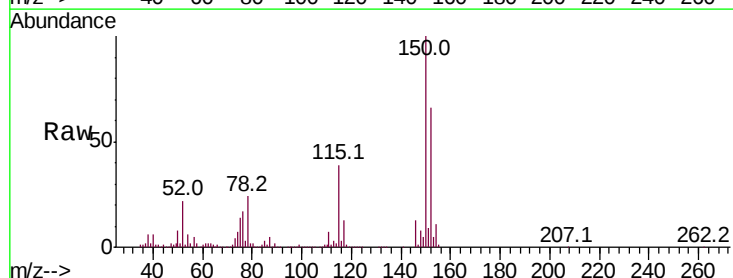
Tgt Ion:152 Resp: 221468

Ion Ratio Lower Upper

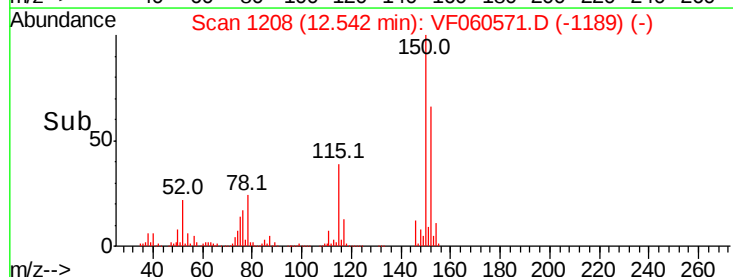
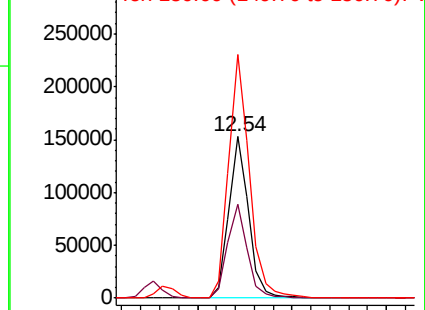
152 100

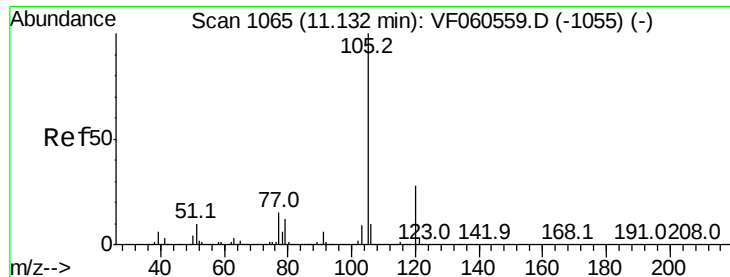
115 58.3 29.6 88.8

150 150.9 0.0 315.6



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: 22.643 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.02 min

Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

Instrument :

MSVOA_F

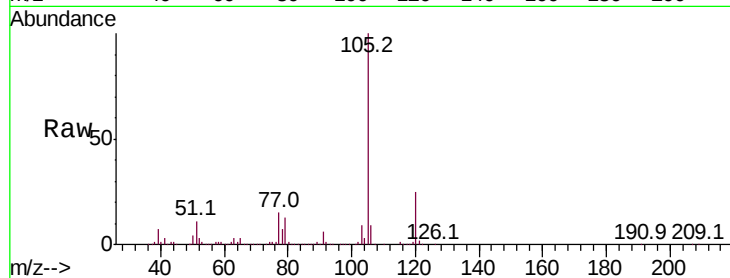
ClientSampled :

Tot Ion:105 Resp: 391085

Ion Ratio Lower Upper

105 100

120 24.7 13.9 41.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

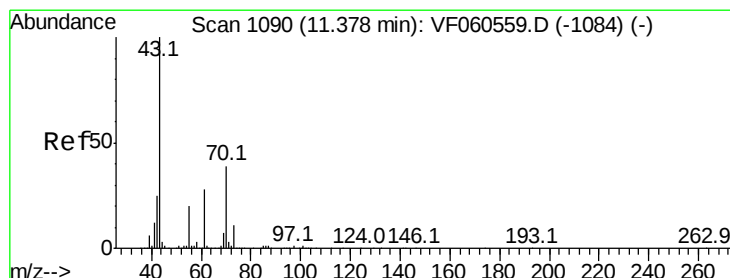
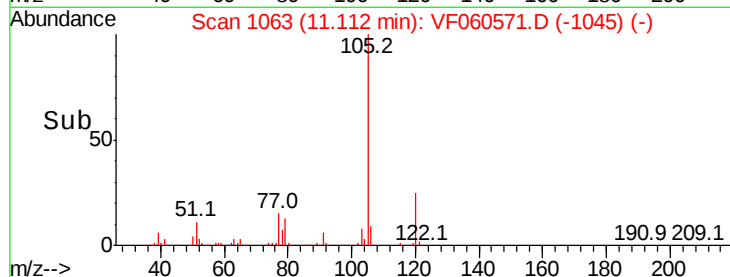
100000

50000

0

11.00 11.10 11.20 11.30

Time-->



#74

N-ethyl acetate

Concen: 22.894 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.02 min

Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

Tgt Ion: 43 Resp: 108651

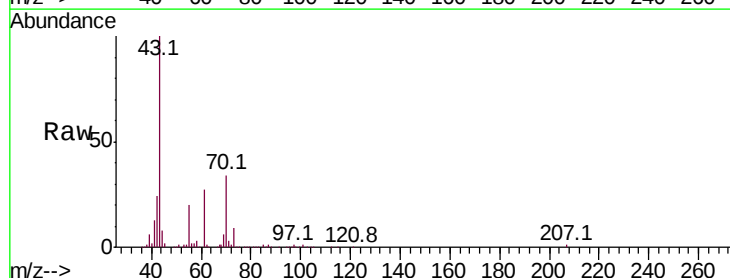
Ion Ratio Lower Upper

43 100

70 33.8 30.9 46.3

55 20.0 16.6 24.8

61 26.6 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

100000

80000

60000

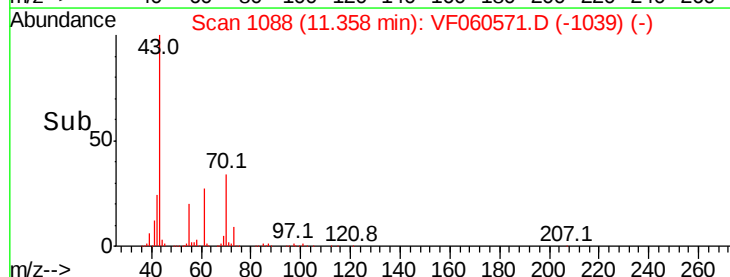
40000

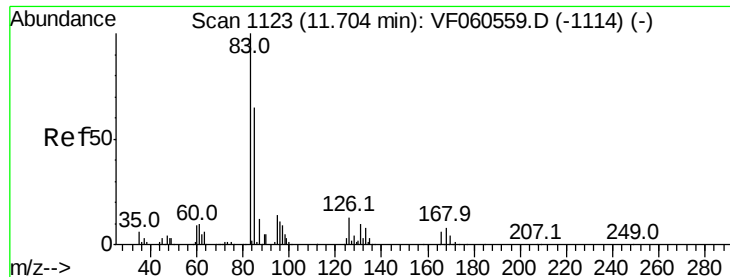
20000

0

11.30 11.40 11.50

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.253 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

Instrument :

MSVOA_F

ClientSampled :

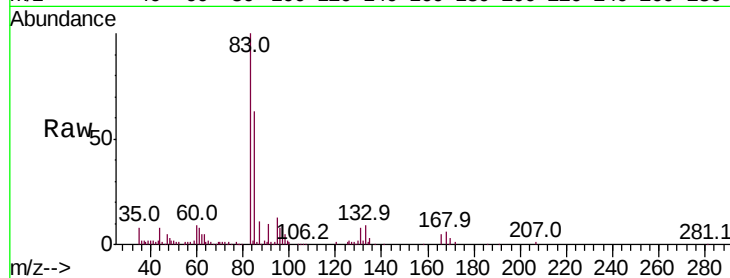
Tot Ion: 83 Resp: 70155

Ion Ratio Lower Upper

83 100

131 8.1 5.0 14.9

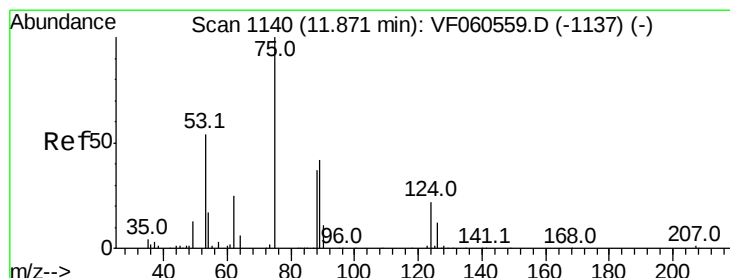
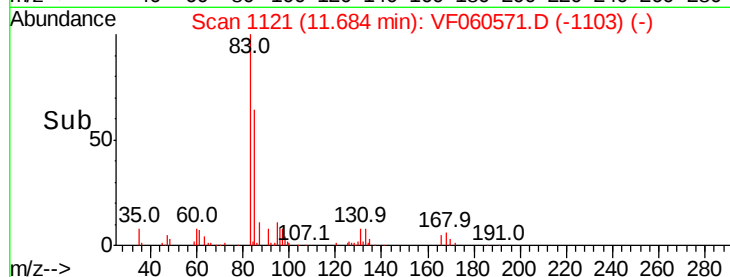
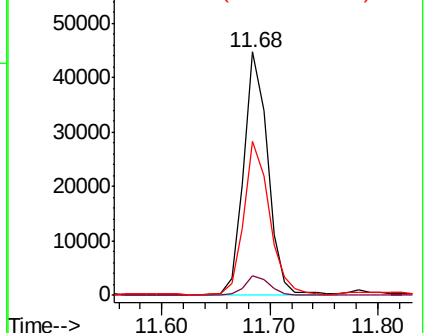
85 63.4 32.9 98.7



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 21.831 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF060571.D

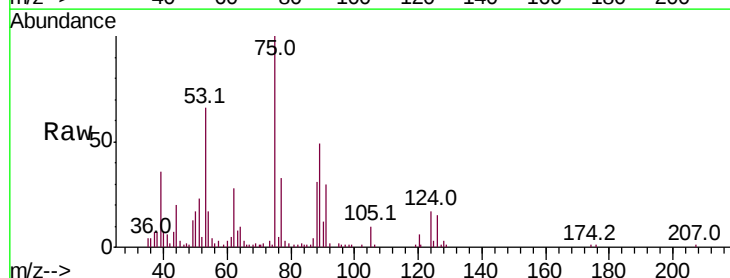
Acq: 5 Nov 2018 14:01

Tgt Ion: 75 Resp: 33824

Ion Ratio Lower Upper

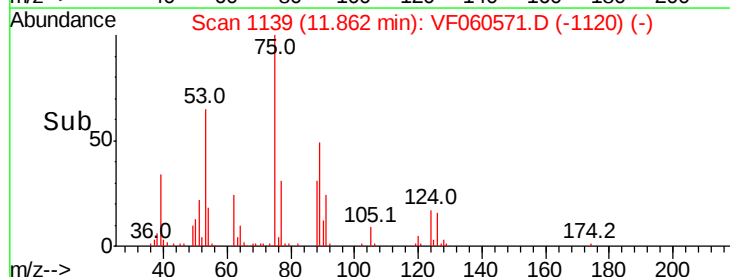
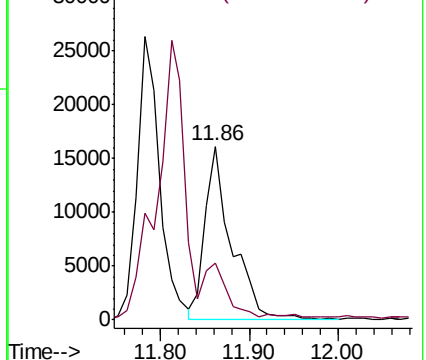
75 100

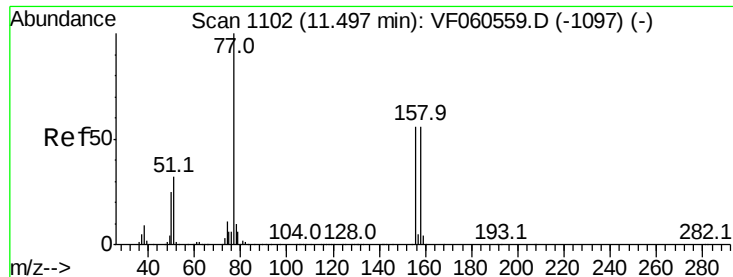
77 32.6 17.4 52.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.232 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.01 min

Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

Instrument :

MSVOA_F

ClientSampled :

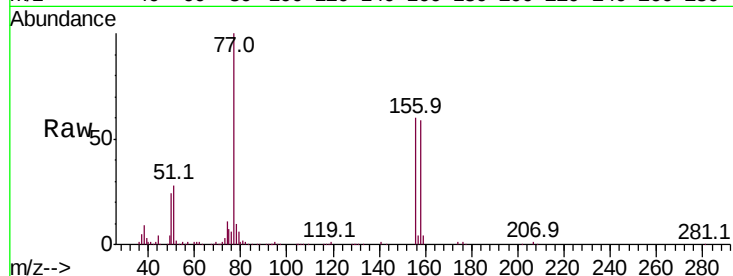
Tot Ion:156 Resp: 80242

Ion Ratio Lower Upper

156 100

77 165.4 89.3 268.1

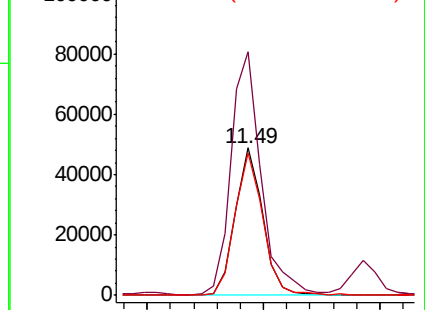
158 96.9 50.0 150.1



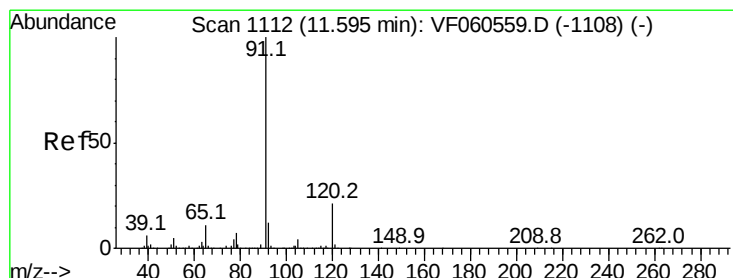
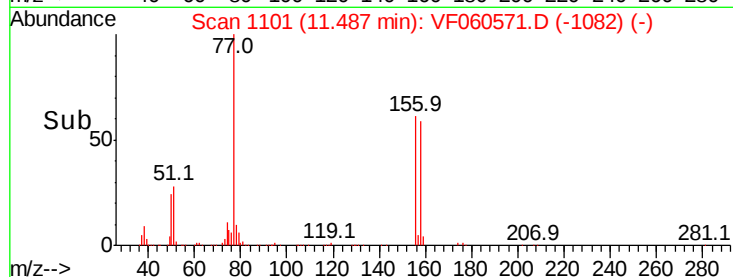
Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



Time-->



#78

n-propylbenzene

Concen: 22.423 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VF060571.D

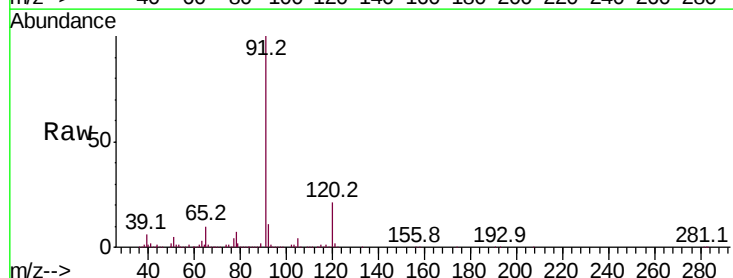
Acq: 5 Nov 2018 14:01

Tgt Ion: 91 Resp: 453118

Ion Ratio Lower Upper

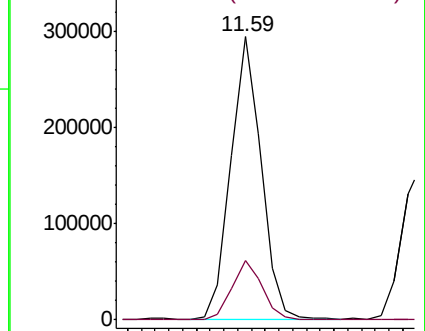
91 100

120 20.9 10.5 31.6

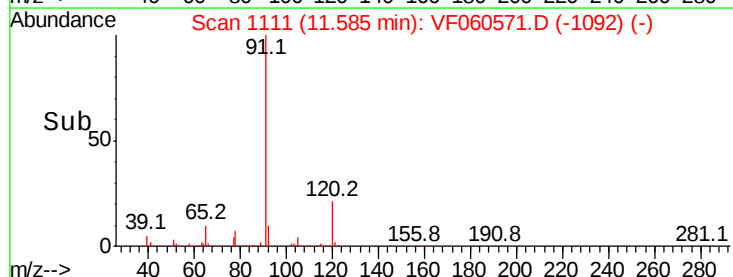


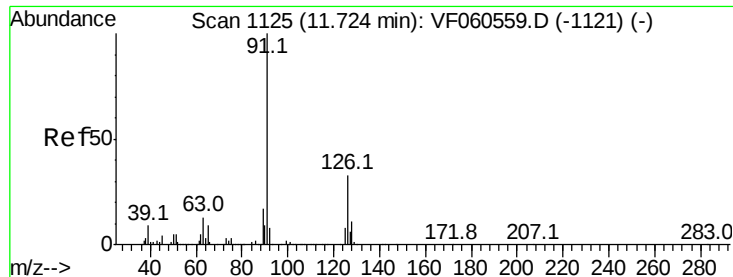
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V



Time-->

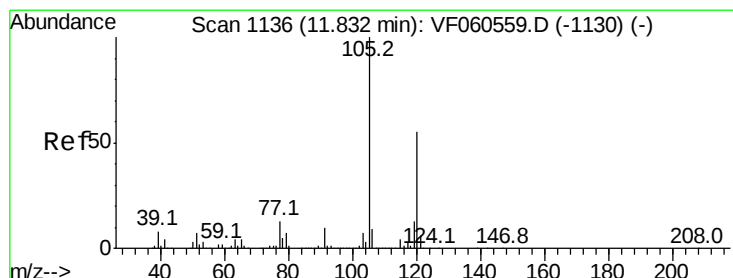
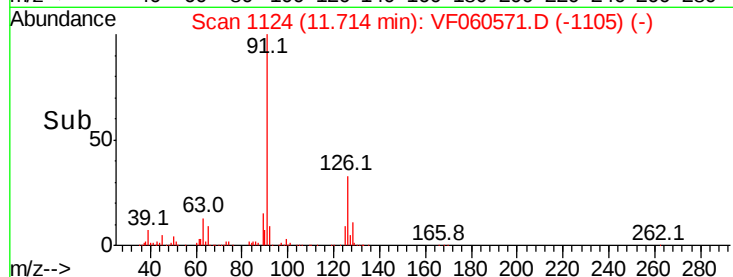
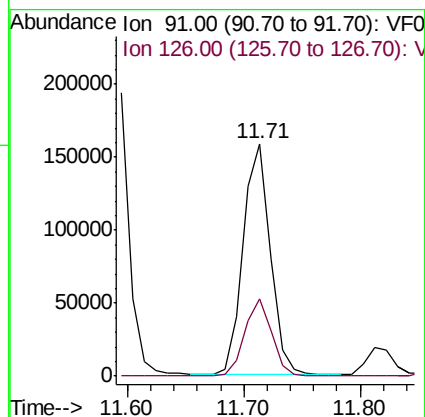
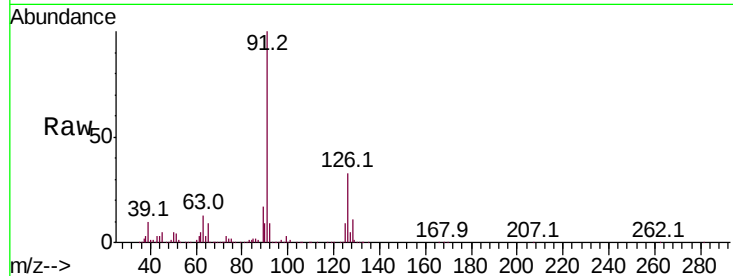




#79
 2-Chlorotoluene
 Concen: 22.168 ug/l
 RT: 11.71 min Scan# 1124
 Delta R.T. -0.01 min
 Lab File: VF060571.D
 Acq: 5 Nov 2018 14:01

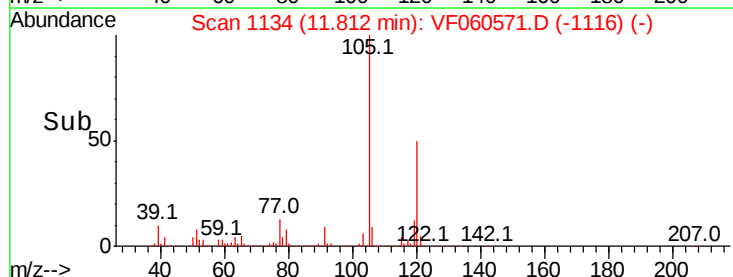
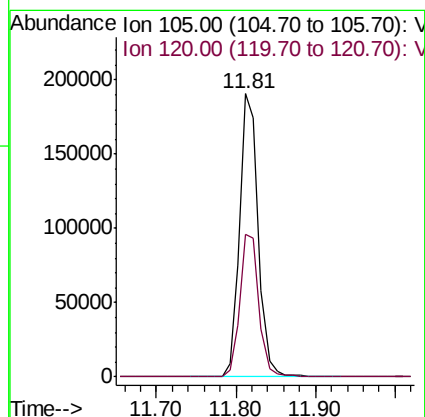
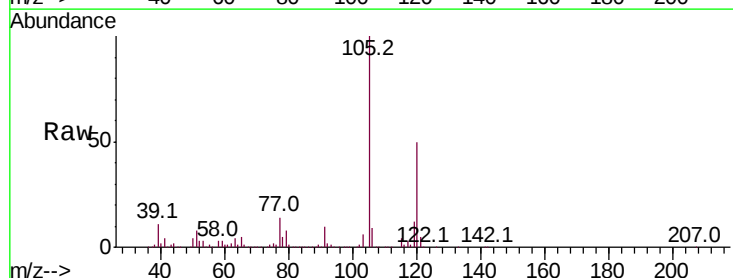
Instrument :
 MSVOA_F
 ClientSampleId :

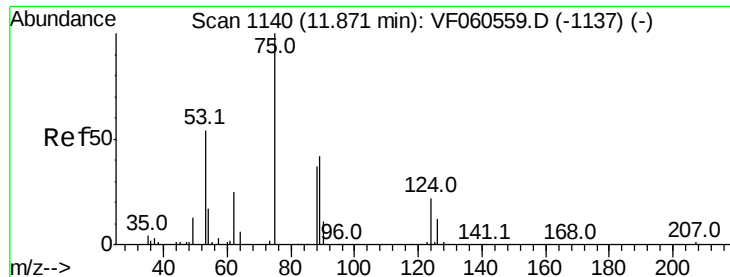
Tot Ion: 91 Resp: 255835
 Ion Ratio Lower Upper
 91 100
 126 33.1 16.5 49.5



#80
 1,3,5-Trimethylbenzene
 Concen: 22.044 ug/l
 RT: 11.81 min Scan# 1134
 Delta R.T. -0.02 min
 Lab File: VF060571.D
 Acq: 5 Nov 2018 14:01

Tgt Ion: 105 Resp: 313834
 Ion Ratio Lower Upper
 105 100
 120 50.2 27.6 82.8

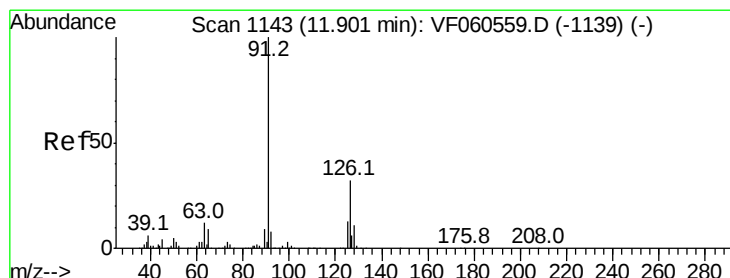
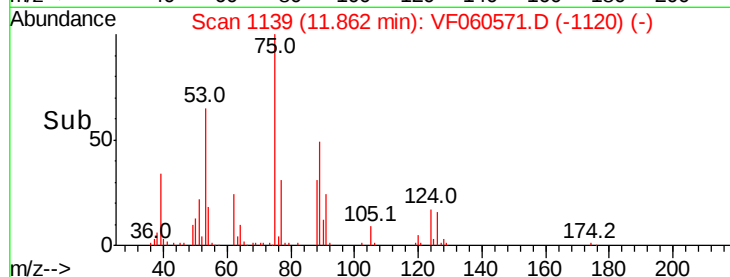
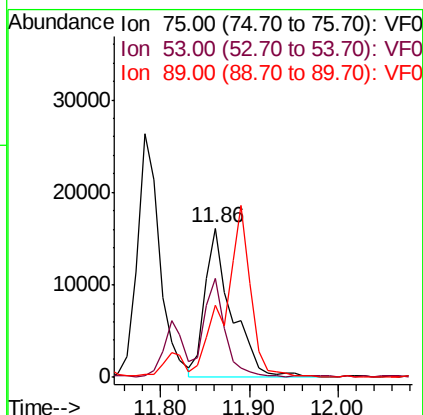
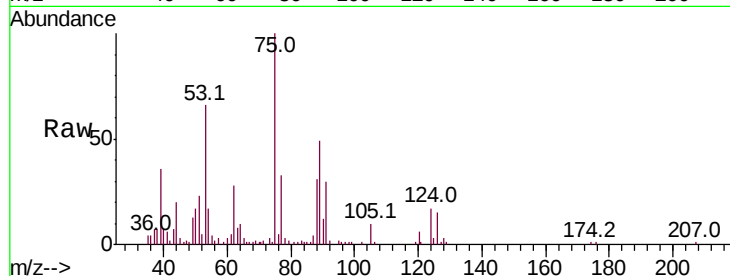




#81
trans-1,4-Dichloro-2-butene
Concen: 27.778 ug/l
RT: 11.86 min Scan# 1139
Delta R.T. -0.01 min
Lab File: VF060571.D
Acq: 5 Nov 2018 14:01

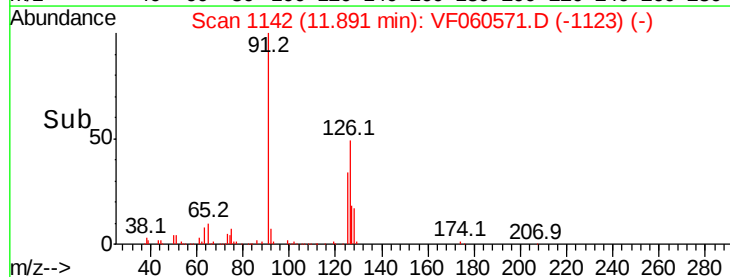
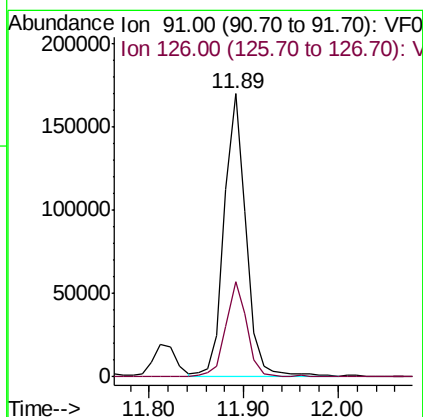
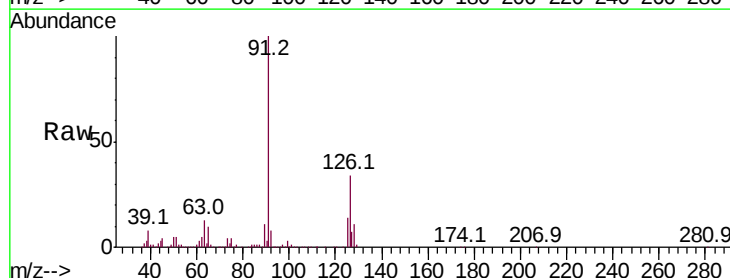
Instrument :
MSVOA_F
ClientSampleId :

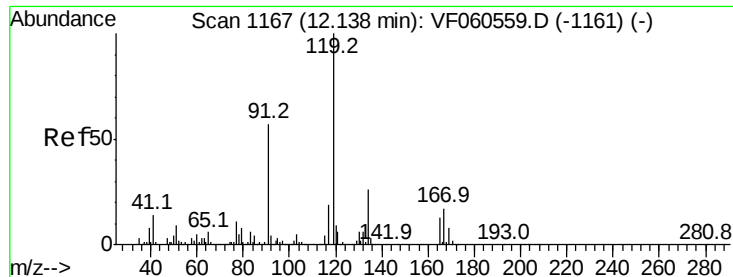
Tot Ion: 75 Resp: 33824
Ion Ratio Lower Upper
75 100
53 66.0 51.6 77.4
89 48.6 36.7 55.1



#82
4-Chlorotoluene
Concen: 22.199 ug/l
RT: 11.89 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VF060571.D
Acq: 5 Nov 2018 14:01

Tgt Ion: 91 Resp: 267293
Ion Ratio Lower Upper
91 100
126 33.7 15.9 47.7

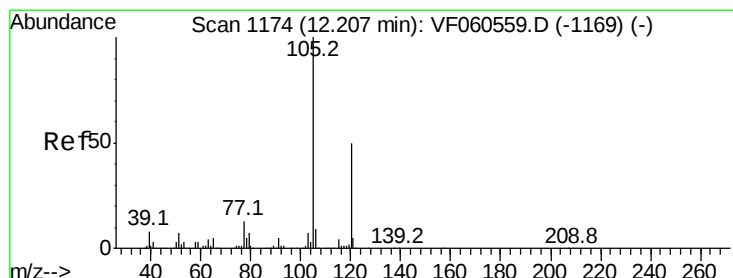
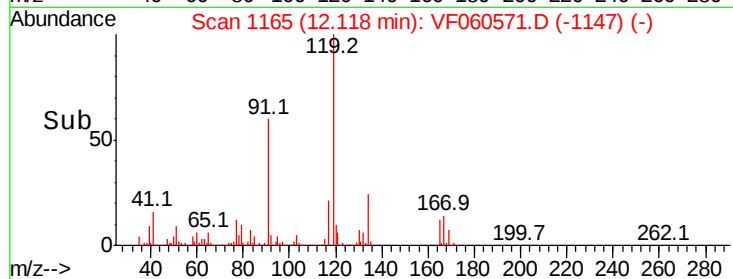
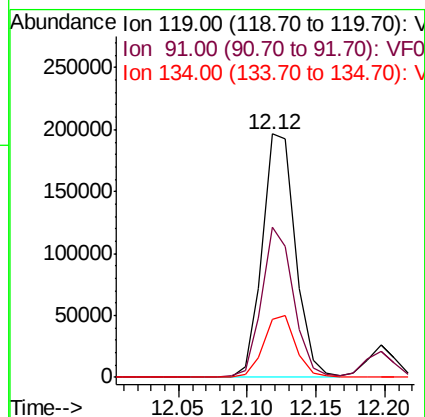
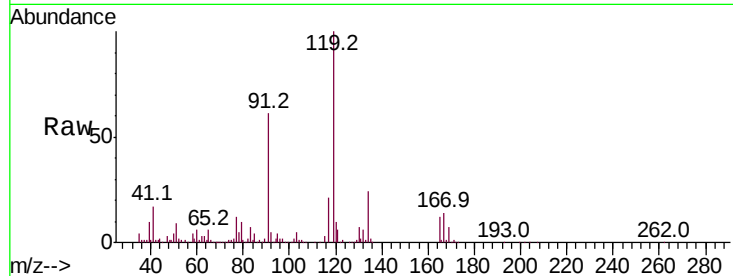




#83
 tert-Butylbenzene
 Concen: 22.843 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. -0.02 min
 Lab File: VF060571.D
 Acq: 5 Nov 2018 14:01

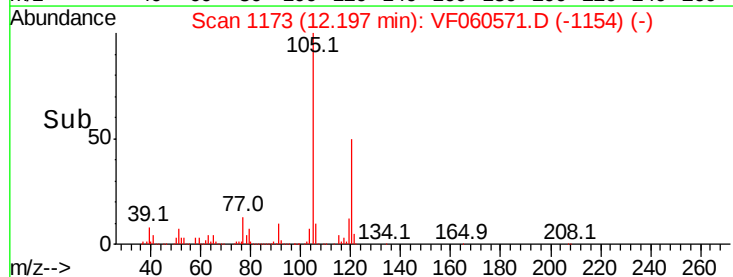
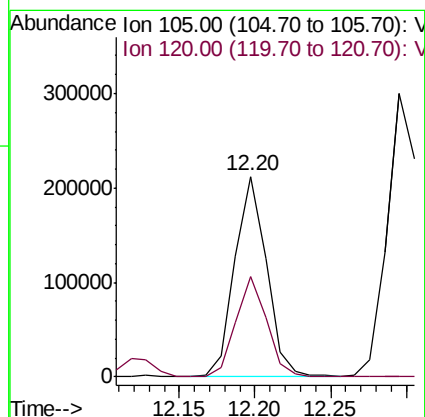
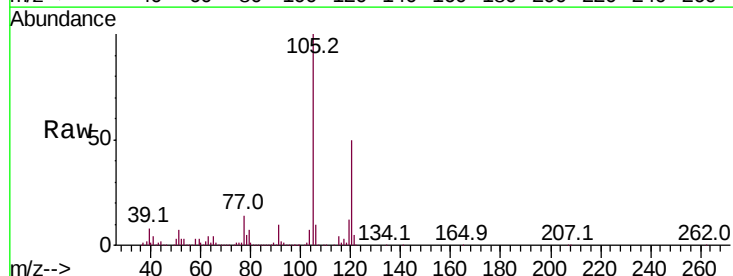
Instrument :
 MSVOA_F
 ClientSampleId :

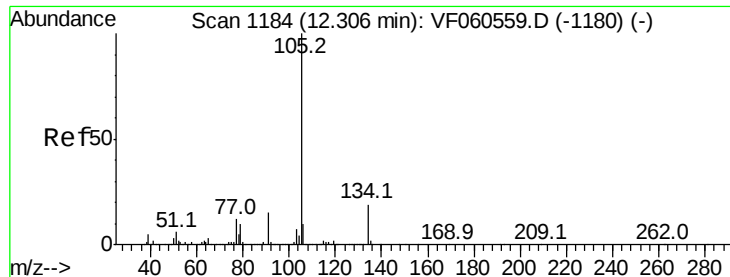
Tot Ion	Ratio	Lower	Upper
119	100		
91	61.4	28.8	86.4
134	23.6	13.2	39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 22.305 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VF060571.D
 Acq: 5 Nov 2018 14:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.8	25.6	76.8





#85

sec-Butylbenzene

Concen: 22.582 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

Instrument :

MSVOA_F

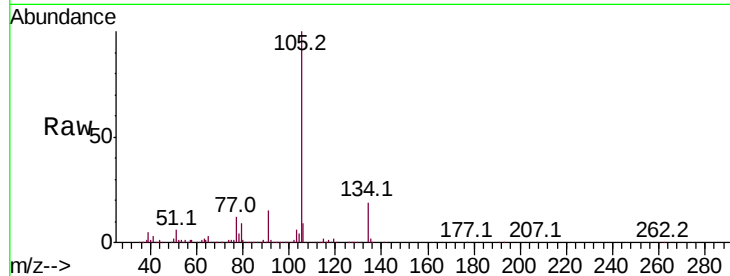
ClientSampleId :

Tot Ion:105 Resp: 451806

Ion Ratio Lower Upper

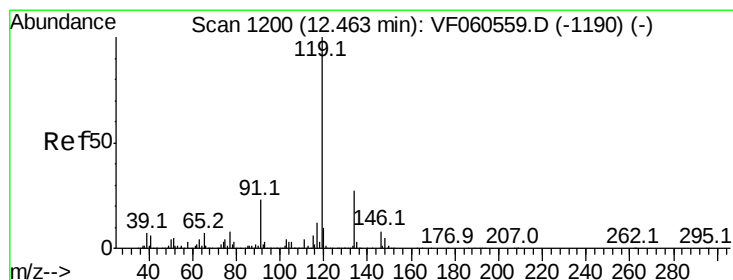
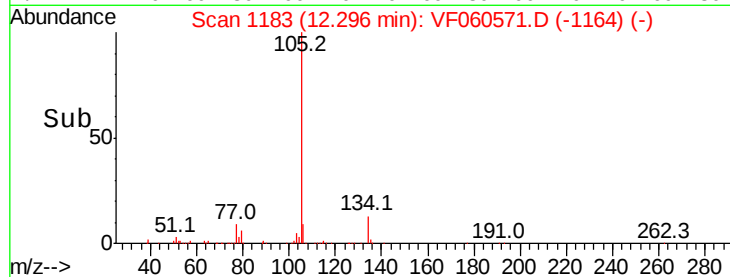
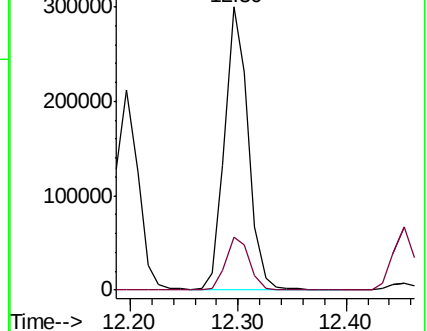
105 100

134 18.8 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.634 ug/l

RT: 12.45 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

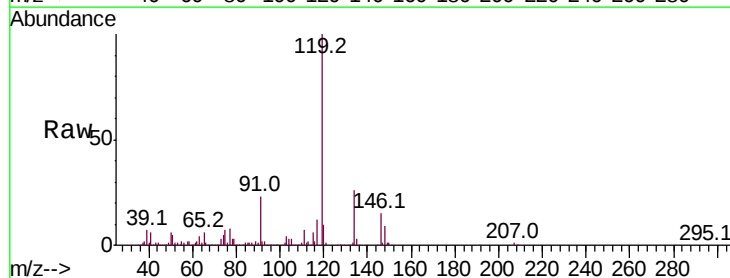
Tgt Ion:119 Resp: 372923

Ion Ratio Lower Upper

119 100

134 25.7 13.6 40.7

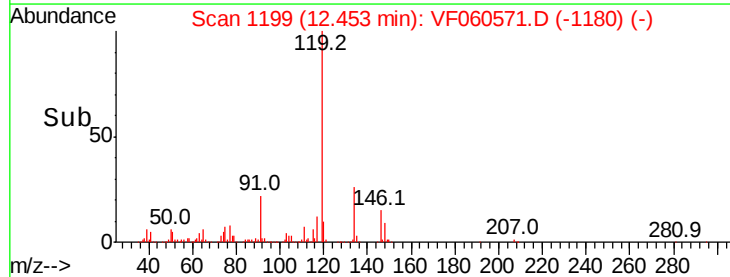
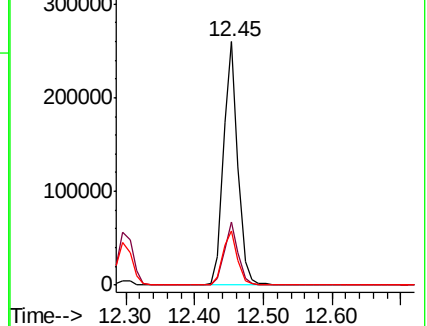
91 22.5 11.4 34.2

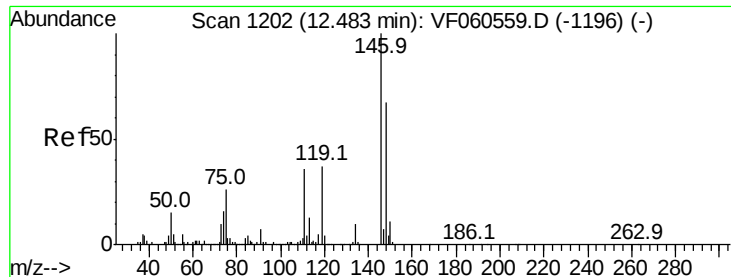


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 22.072 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. -0.02 min

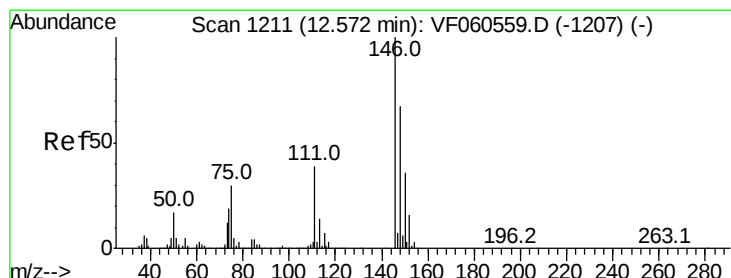
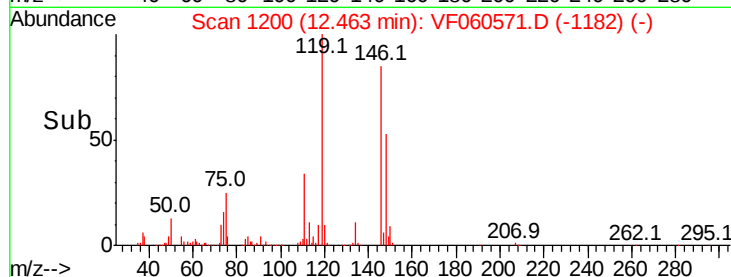
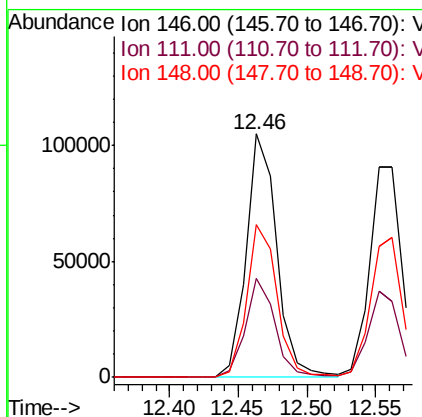
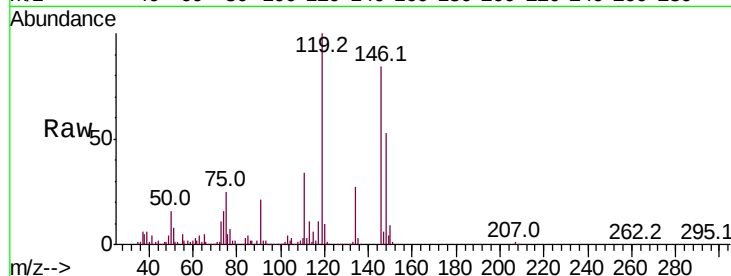
Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:146 Resp: 163730

Ion	Ratio	Lower	Upper
146	100		
111	40.8	18.3	54.8
148	62.9	33.5	100.4



#88

1,4-Dichlorobenzene

Concen: 21.635 ug/l

RT: 12.56 min Scan# 1210

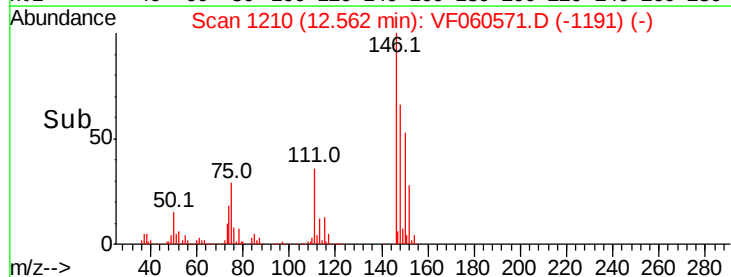
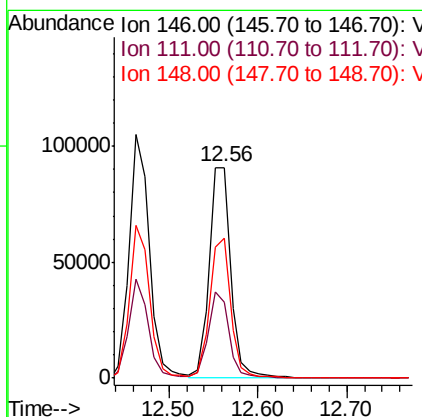
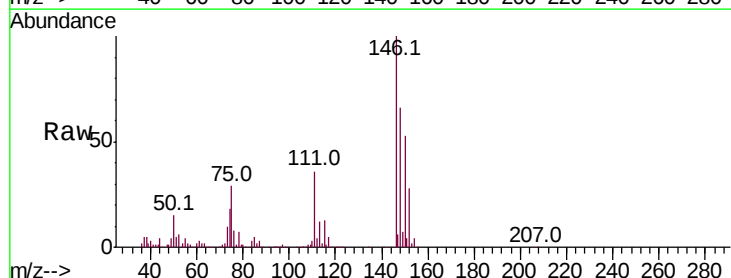
Delta R.T. -0.01 min

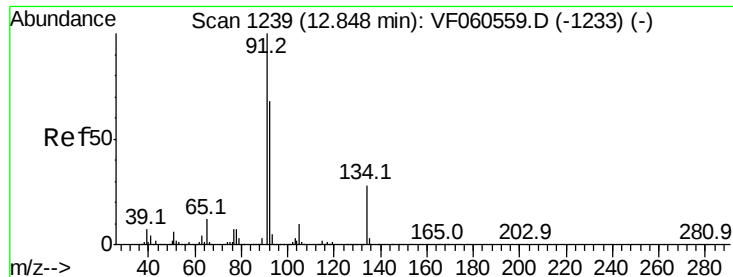
Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

Tgt Ion:146 Resp: 152221

Ion	Ratio	Lower	Upper
146	100		
111	35.9	19.7	59.1
148	66.5	33.7	101.1

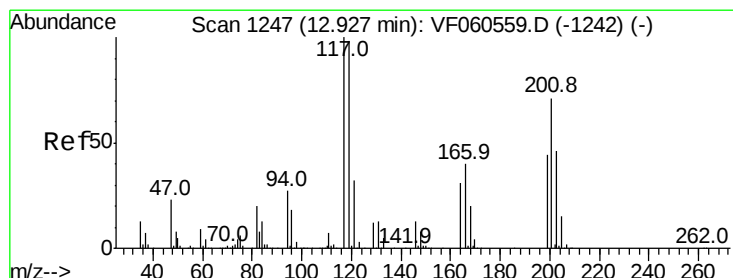
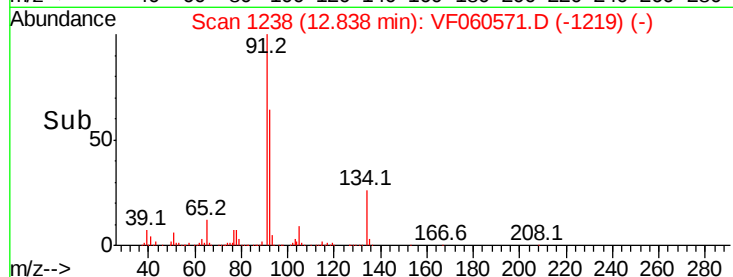
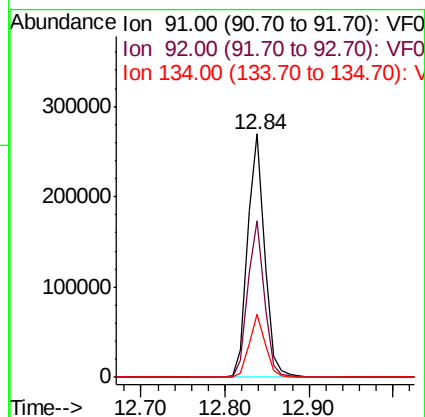
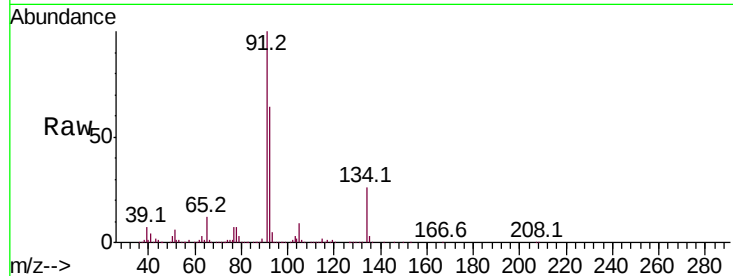




#89
n-Butylbenzene
Concen: 21.116 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VF060571.D
Acq: 5 Nov 2018 14:01

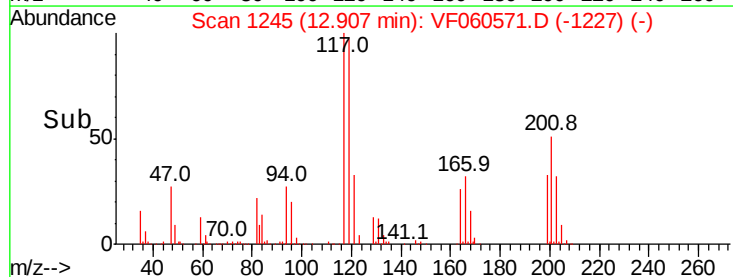
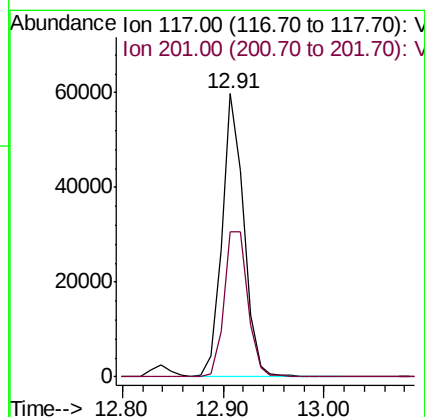
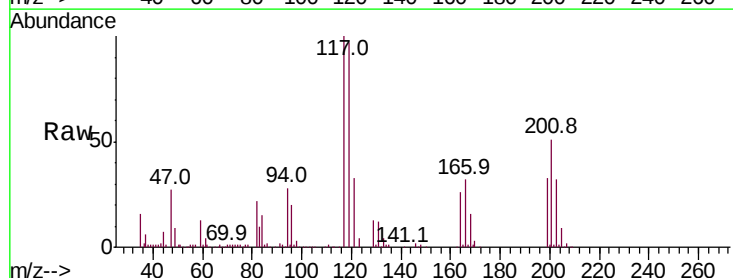
Instrument :
MSVOA_F
ClientSampled :

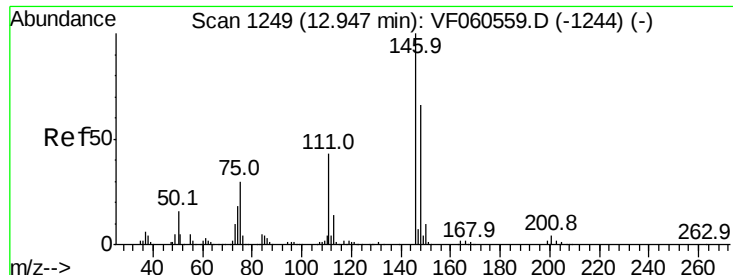
Tot Ion: 91 Resp: 378680
Ion Ratio Lower Upper
91 100
92 64.4 34.1 102.2
134 26.0 13.9 41.6



#90
Hexachloroethane
Concen: 21.499 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.02 min
Lab File: VF060571.D
Acq: 5 Nov 2018 14:01

Tgt Ion: 117 Resp: 90081
Ion Ratio Lower Upper
117 100
201 51.5 35.2 105.6





#91

1,2-Dichlorobenzene

Concen: 21.006 ug/l

RT: 12.94 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

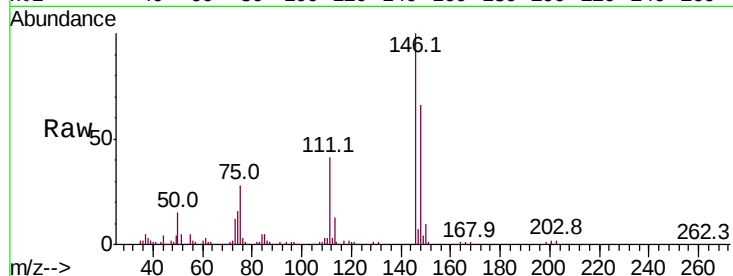
Tot Ion:146 Resp: 145778

Ion Ratio Lower Upper

146 100

111 40.7 21.3 64.0

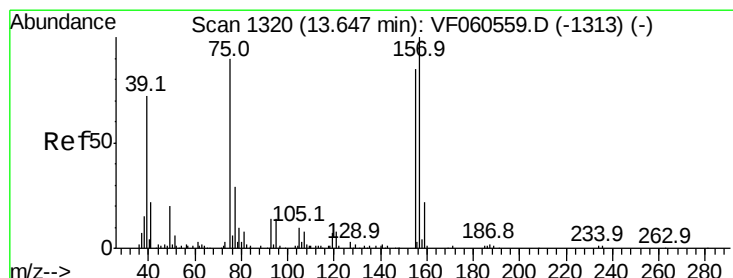
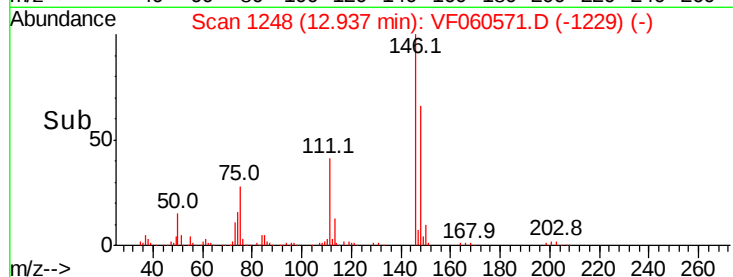
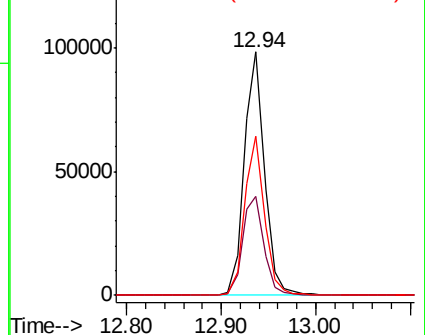
148 65.5 32.9 98.7



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: 14.688 ug/l

RT: 13.63 min Scan# 1318

Delta R.T. -0.02 min

Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

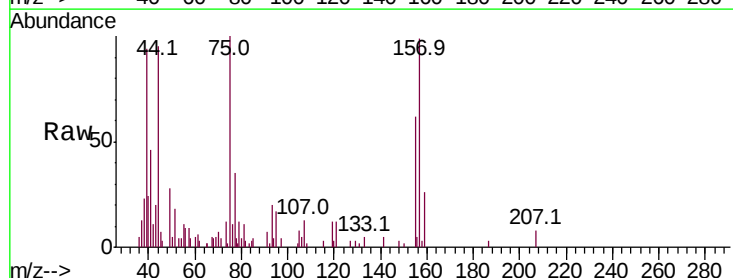
Tgt Ion: 75 Resp: 8045

Ion Ratio Lower Upper

75 100

155 61.7 47.3 141.8

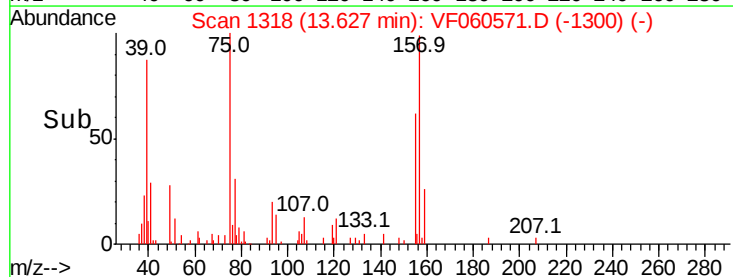
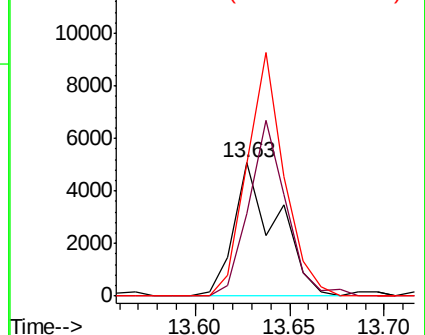
157 99.3 55.3 165.9

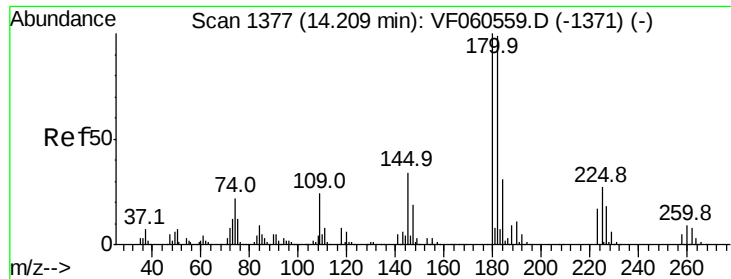


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

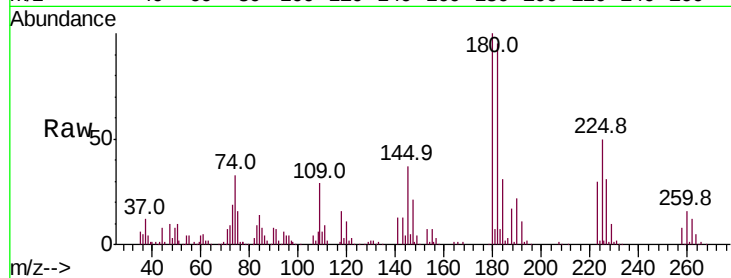




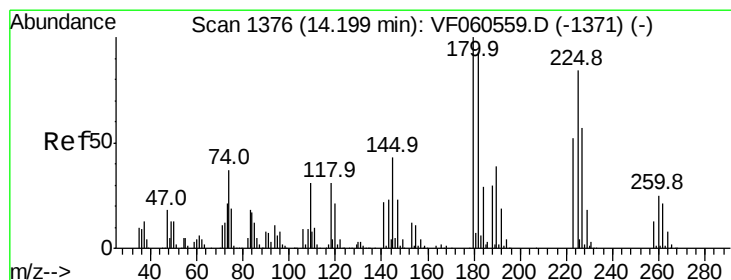
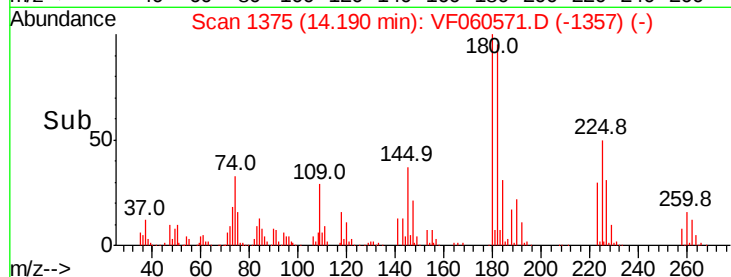
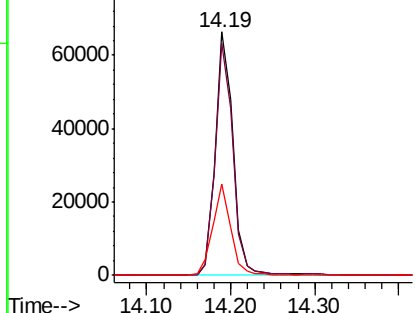
#93
 1,2,4-Trichlorobenzene
 Concen: 20.675 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VF060571.D
 Acq: 5 Nov 2018 14:01

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:180 Resp: 97477
 Ion Ratio Lower Upper
 180 100
 182 95.1 49.7 149.1
 145 37.4 16.9 50.7

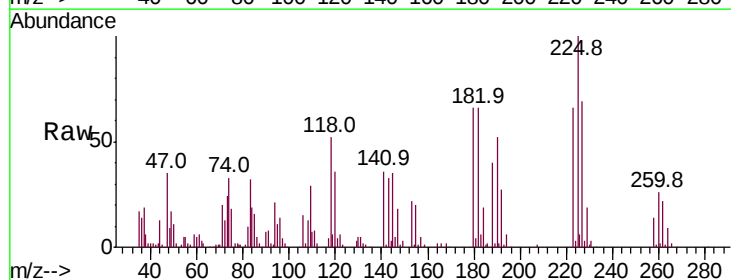


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

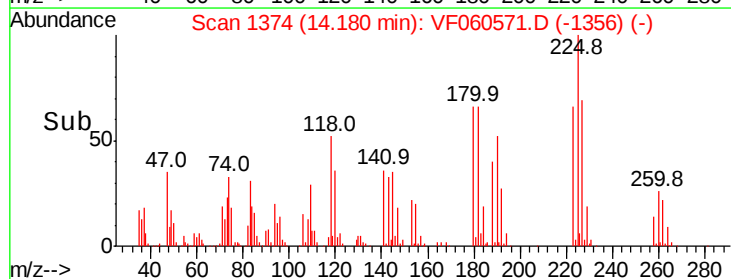
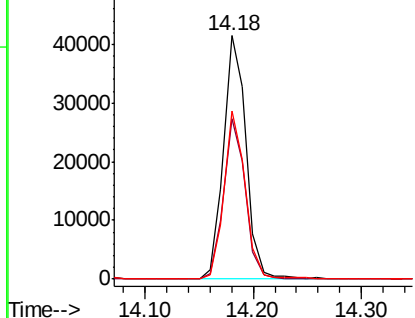


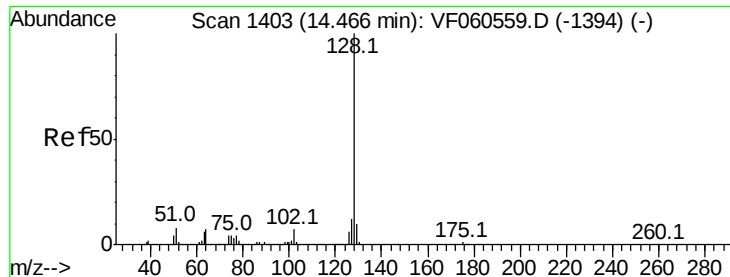
#94
 Hexachlorobutadiene
 Concen: 19.726 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.02 min
 Lab File: VF060571.D
 Acq: 5 Nov 2018 14:01

Tgt Ion:225 Resp: 60263
 Ion Ratio Lower Upper
 225 100
 223 65.7 30.9 92.5
 227 68.8 33.9 101.6



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 20.360 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. -0.02 min

Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

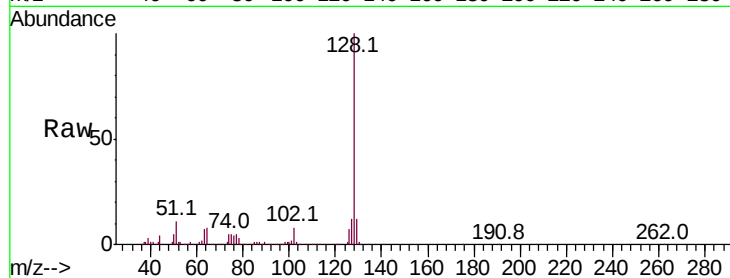
Tot Ion:128 Resp: 192129

Ion Ratio Lower Upper

128 100

127 12.2 9.4 14.0

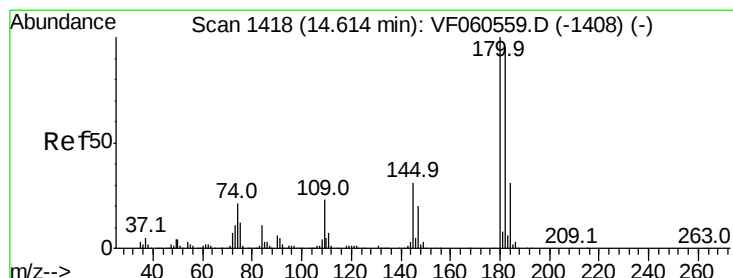
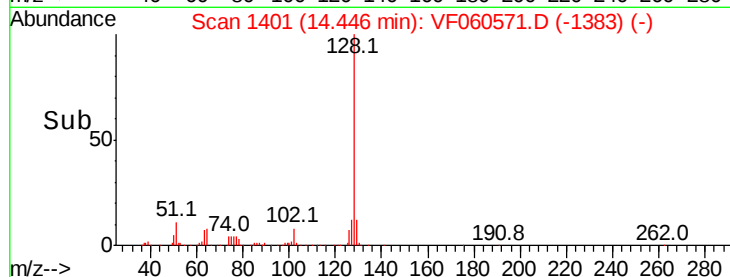
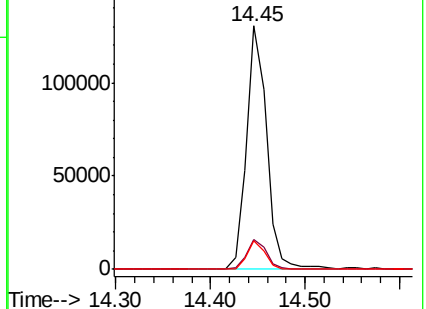
129 11.6 8.4 12.6



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: 19.763 ug/l

RT: 14.59 min Scan# 1416

Delta R.T. -0.02 min

Lab File: VF060571.D

Acq: 5 Nov 2018 14:01

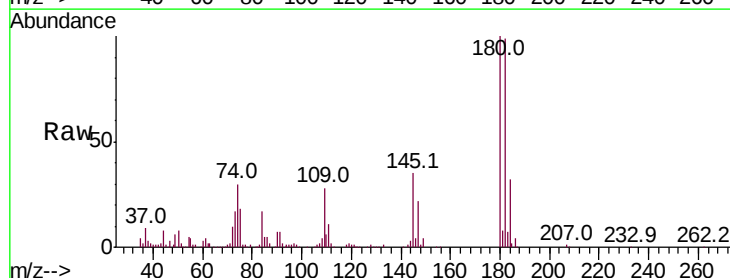
Tgt Ion:180 Resp: 88018

Ion Ratio Lower Upper

180 100

182 98.7 47.3 142.0

145 35.3 15.6 46.8



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

