

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF020719\
 Data File : VF061553.D
 Acq On : 7 Feb 2019 19:08
 Operator : VA/AP
 Sample : K1404-04MSD
 Misc : 5.96g/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Feb 09 04:36:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	163676	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	280864	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	265708	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	130728	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	104774	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
35) Dibromofluoromethane	4.11	113	110883	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
50) Toluene-d8	7.55	98	297879	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
62) 4-Bromofluorobenzene	11.41	95	132673	46.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	142361	44.267	ug/l	90
3) Chloromethane	1.09	50	104169	44.175	ug/l	93
4) Vinyl Chloride	1.14	62	105588	50.337	ug/l	99
5) Bromomethane	1.33	94	71593	52.340	ug/l	92
6) Chloroethane	1.38	64	47673	51.290	ug/l	90
7) Trichlorofluoromethane	1.49	101	195446	47.928	ug/l	100
8) Diethyl Ether	1.63	74	29687	56.815	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.82	101	89899	45.880	ug/l	94
10) Methyl Iodide	1.89	142	126836	41.754	ug/l	99
11) Tert butyl alcohol	2.57	59	26154	305.765	ug/l #	91
12) 1,1-Dichloroethene	1.78	96	74958	51.492	ug/l	90
13) Acrolein	2.00	56	12901	178.201	ug/l	99
14) Allyl chloride	2.09	41	118061	71.467	ug/l	97
15) Acrylonitrile	2.94	53	70259	320.669	ug/l	98
16) Acetone	2.24	43	107077	264.130	ug/l	100
17) Carbon Disulfide	1.82	76	213330	46.999	ug/l	99
18) Methyl Acetate	2.35	43	57068	70.984	ug/l	96
19) Methyl tert-butyl Ether	2.43	73	178825	54.798	ug/l	96
20) Methylene Chloride	2.18	84	27495	18.886	ug/l	94
21) trans-1,2-Dichloroethene	2.31	96	82155	51.294	ug/l	95
22) Diisopropyl ether	2.80	45	272378	52.578	ug/l	98
23) Vinyl Acetate	3.19	43	590300	258.945	ug/l	98
24) 1,1-Dichloroethane	2.87	63	167245	51.438	ug/l	97
25) 2-Butanone	4.33	43	180993	268.474	ug/l	98
26) 2,2-Dichloropropane	3.60	77	94646	47.379	ug/l	99
27) cis-1,2-Dichloroethene	3.47	96	117059	49.512	ug/l	89
28) Bromochloromethane	3.72	49	69054	47.248	ug/l	97
29) Tetrahydrofuran	4.06	42	84992	292.787	ug/l	96
30) Chloroform	3.86	83	225459	51.381	ug/l	99
31) Cyclohexane	3.69	56	94982	29.245	ug/l	92
32) 1,1,1-Trichloroethane	4.09	97	164234	51.045	ug/l	97
36) 1,1-Dichloropropene	4.27	75	166901	51.252	ug/l	97
37) Ethyl Acetate	4.10	43	78660	60.428	ug/l	90
38) Carbon Tetrachloride	3.98	117	148232	52.067	ug/l	94

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 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	150666	42.692	ug/l	95
40) Benzene	4.63	78	366891	50.632	ug/l	99
41) Methacrylonitrile	4.74	41	39348	56.808	ug/l	94
42) 1,2-Dichloroethane	4.94	62	142591	55.222	ug/l	96
43) Isopropyl Acetate	6.95	43	92666	56.720	ug/l #	91
44) Trichloroethene	5.50	130	110912	49.896	ug/l	99
45) 1,2-Dichloropropane	6.23	63	107660	56.610	ug/l	98
46) Dibromomethane	6.09	93	74239	58.707	ug/l	96
47) Bromodichloromethane	6.38	83	177838	56.839	ug/l	96
48) Methyl methacrylate	6.72	41	69991	63.798	ug/l	96
49) 1,4-Dioxane	6.70	88	9638	1277.841	ug/l #	81
51) 4-Methyl-2-Pentanone	8.26	43	355969	296.378	ug/l	99
52) Toluene	7.62	92	242555	50.830	ug/l	99
53) t-1,3-Dichloropropene	8.28	75	137233	55.237	ug/l	99
54) cis-1,3-Dichloropropene	7.30	75	177343	57.106	ug/l	98
55) 1,1,2-Trichloroethane	8.48	97	83534	61.645	ug/l	98
56) Ethyl methacrylate	8.62	69	91986	58.347	ug/l	95
57) 1,3-Dichloropropane	8.85	76	141481	55.703	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.29	63	62875	365.979	ug/l	98
59) 2-Hexanone	9.49	43	244416	291.831	ug/l	97
60) Dibromochloromethane	8.71	129	118254	59.692	ug/l	98
61) 1,2-Dibromoethane	8.99	107	87404	56.343	ug/l	93
64) Tetrachloroethene	8.15	164	95975	48.032	ug/l	99
65) Chlorobenzene	9.79	112	273399	50.598	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.93	131	116372	54.063	ug/l	98
67) Ethyl Benzene	9.89	91	494528	50.093	ug/l	99
68) m/p-Xylenes	10.13	106	329268	92.733	ug/l	99
69) o-Xylene	10.71	106	194229	50.471	ug/l	98
70) Styrene	10.79	104	254015	48.221	ug/l	99
71) Bromoform	10.77	173	61528	63.618	ug/l #	100
73) Isopropylbenzene	11.12	105	544738	51.234	ug/l	99
74) N-amyl acetate	11.36	43	152539	60.672	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.69	83	107318	56.658	ug/l	99
76) 1,2,3-Trichloropropane	11.79	75	78063	57.356	ug/l	99
77) Bromobenzene	11.49	156	124543	55.464	ug/l	96
78) n-propylbenzene	11.59	91	599372	45.810	ug/l	98
79) 2-Chlorotoluene	11.72	91	375009	50.834	ug/l	97
80) 1,3,5-Trimethylbenzene	11.83	105	437093	50.941	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	47083	79.580	ug/l	93
82) 4-Chlorotoluene	11.90	91	373034	50.110	ug/l	100
83) tert-Butylbenzene	12.12	119	463876	52.232	ug/l	95
84) 1,2,4-Trimethylbenzene	12.20	105	435823	49.311	ug/l	95
85) sec-Butylbenzene	12.30	105	575310	47.702	ug/l	95
86) p-Isopropyltoluene	12.46	119	473503	47.826	ug/l	98
87) 1,3-Dichlorobenzene	12.47	146	216127	48.233	ug/l	98
88) 1,4-Dichlorobenzene	12.57	146	211599	49.868	ug/l	96
89) n-Butylbenzene	12.84	91	474857	46.507	ug/l	98
90) Hexachloroethane	12.91	117	120496	51.631	ug/l	95
91) 1,2-Dichlorobenzene	12.94	146	209910	49.972	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	21791	64.862	ug/l	82

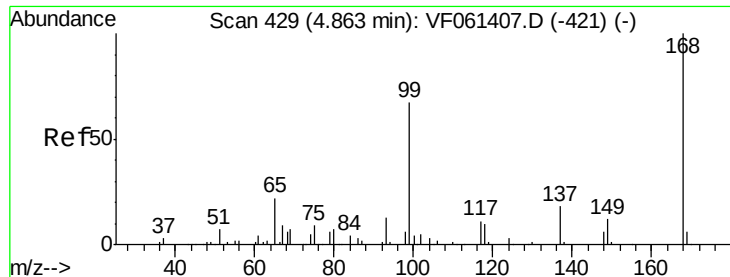
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF020719\
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Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	149011	50.640	ug/l	98
94) Hexachlorobutadiene	14.18	225	81059	44.393	ug/l	96
95) Naphthalene	14.45	128	319597	57.166	ug/l	97
96) 1,2,3-Trichlorobenzene	14.60	180	139145	51.082	ug/l	100

(#) = 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. -0.00 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

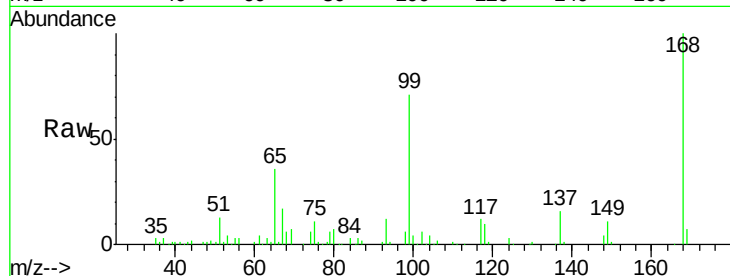
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 163676

Ion Ratio Lower Upper

168 100

99 71.1 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

60000

50000

40000

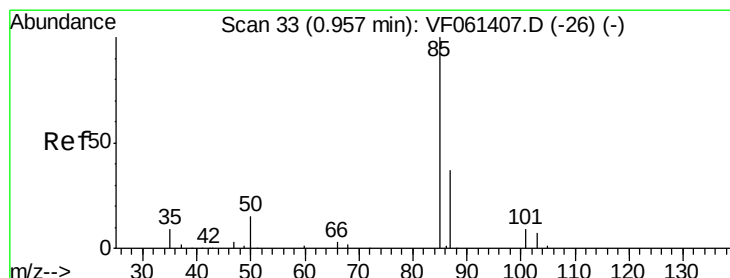
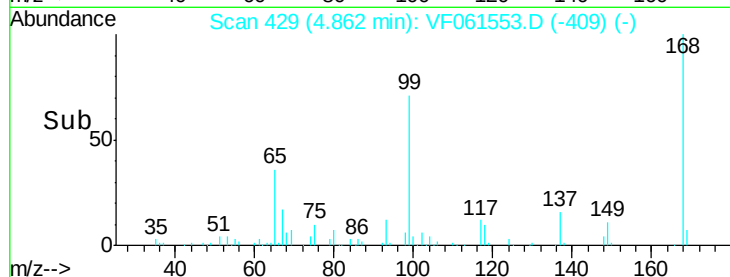
30000

20000

10000

0

Time--> 4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 44.267 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.00 min

Lab File: VF061553.D

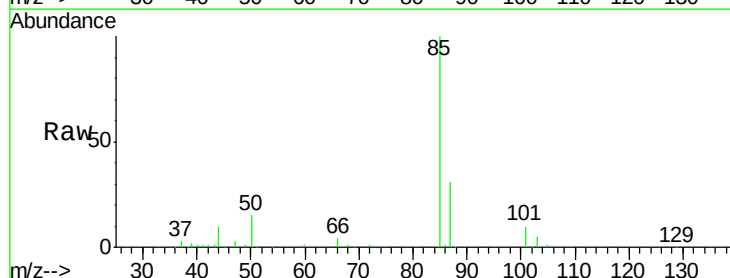
Acq: 7 Feb 2019 19:08

Tgt Ion: 85 Resp: 142361

Ion Ratio Lower Upper

85 100

87 30.8 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

40000

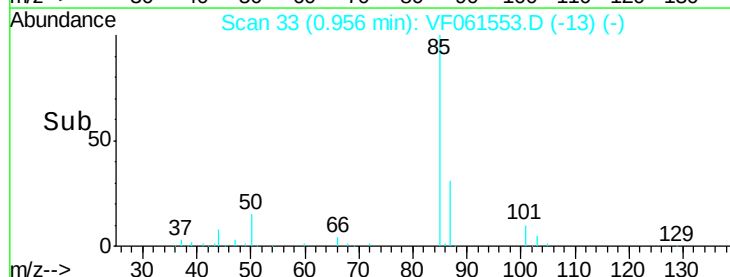
30000

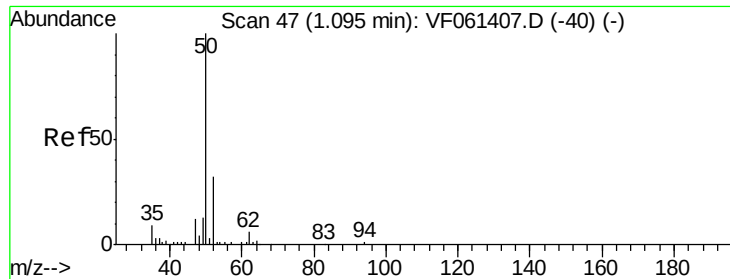
20000

10000

0

Time--> 0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 44.175 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

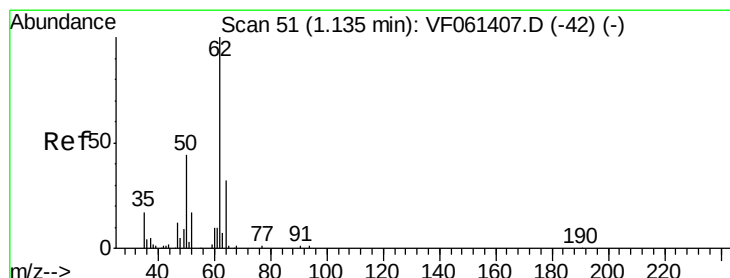
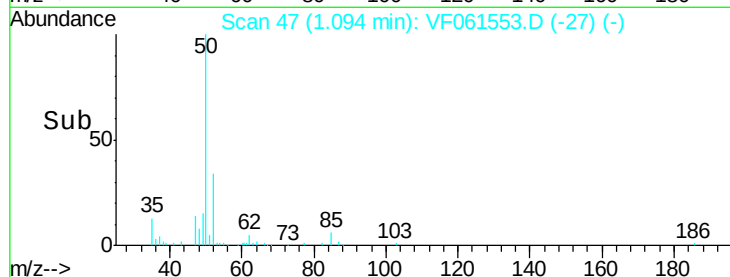
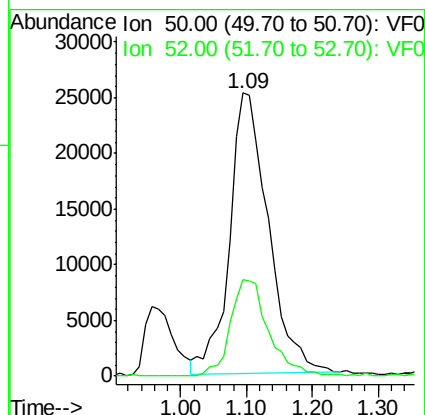
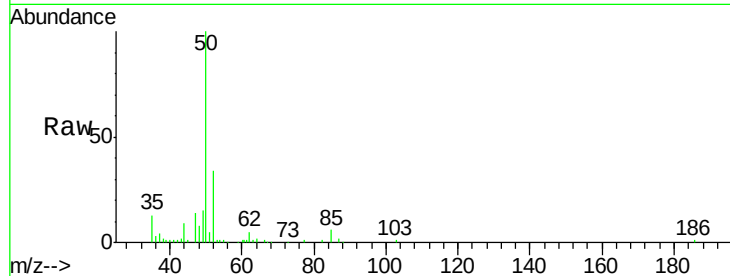
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 104169

Ion Ratio Lower Upper

50 100

52 34.3 24.6 36.8



#4

Vinyl Chloride

Concen: 50.337 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF061553.D

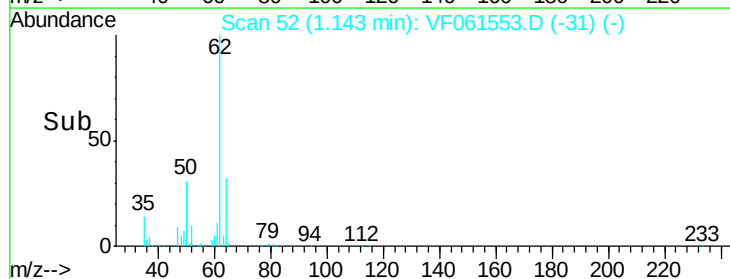
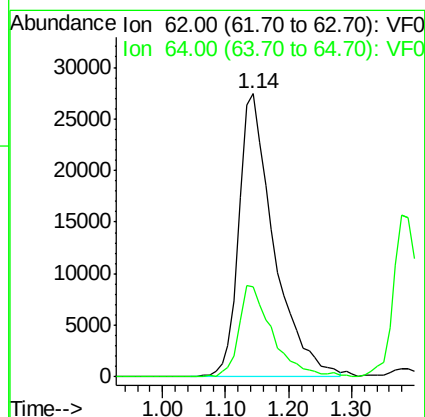
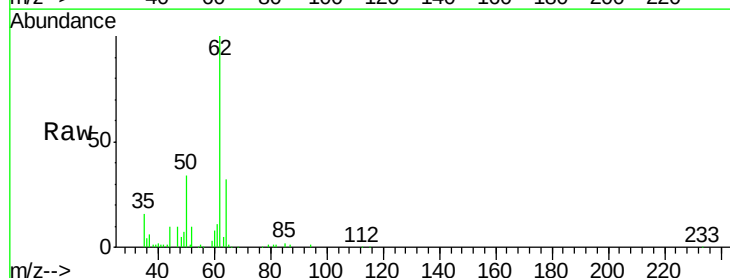
Acq: 7 Feb 2019 19:08

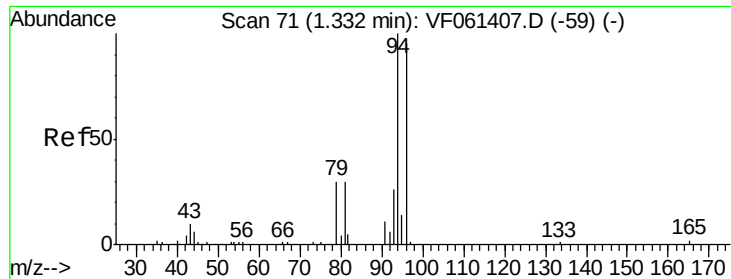
Tgt Ion: 62 Resp: 105588

Ion Ratio Lower Upper

62 100

64 31.6 25.6 38.4





#5

Bromomethane

Concen: 52.340 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.00 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

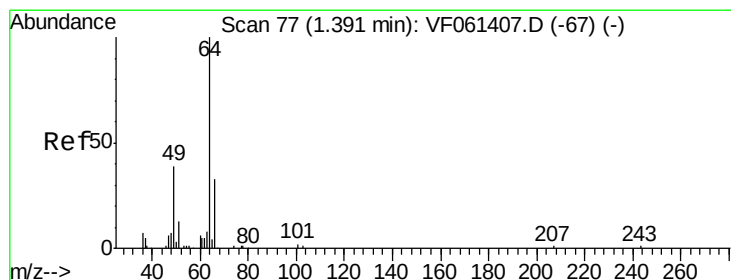
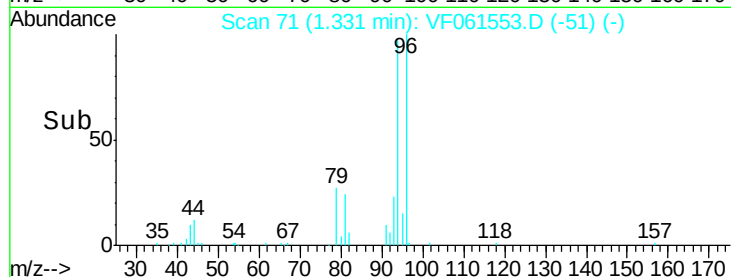
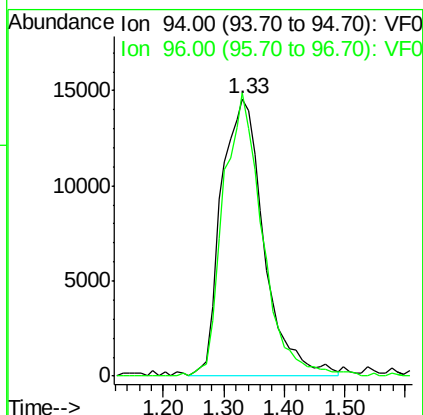
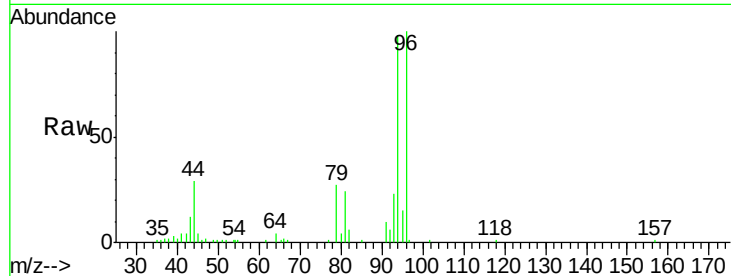
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 71593

Ion Ratio Lower Upper

94 100

96 103.0 76.0 114.0



#6

Chloroethane

Concen: 51.290 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061553.D

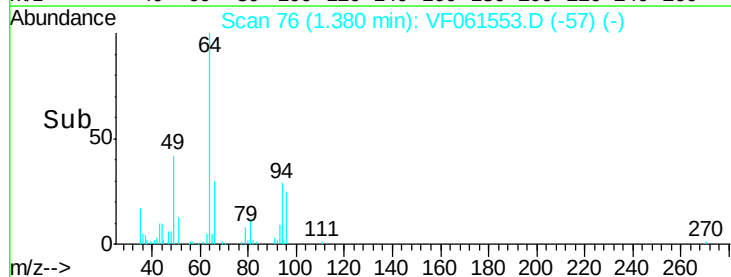
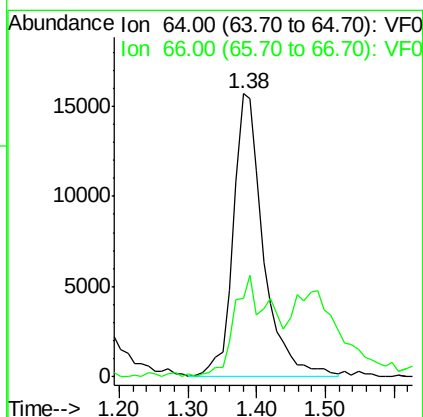
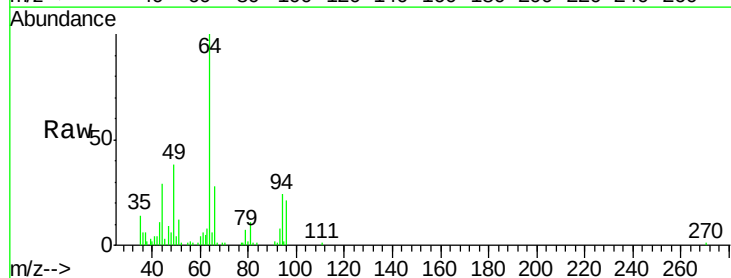
Acq: 7 Feb 2019 19:08

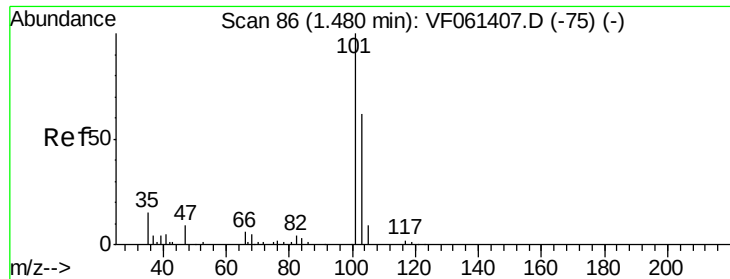
Tgt Ion: 64 Resp: 47673

Ion Ratio Lower Upper

64 100

66 27.6 26.6 40.0





#7

Trichlorofluoromethane

Concen: 47.928 ug/l

RT: 1.49 min Scan# 87

Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :

MSVOA_F

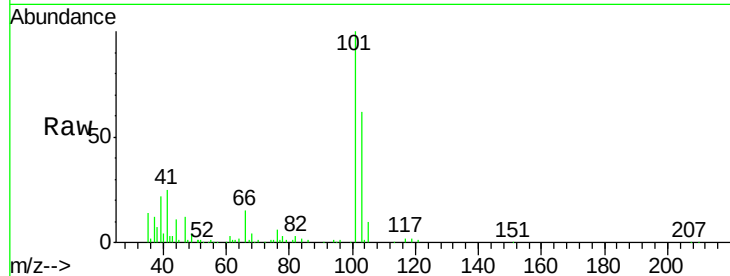
ClientSampleId :

Tot Ion:101 Resp: 195446

Ion Ratio Lower Upper

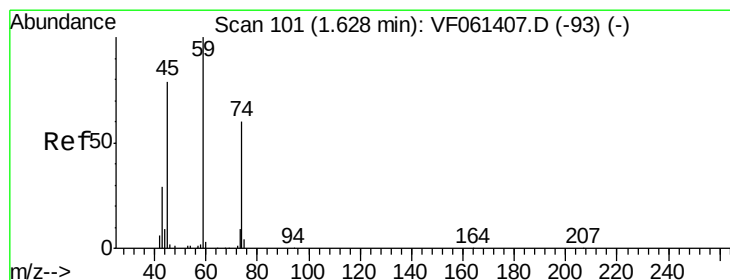
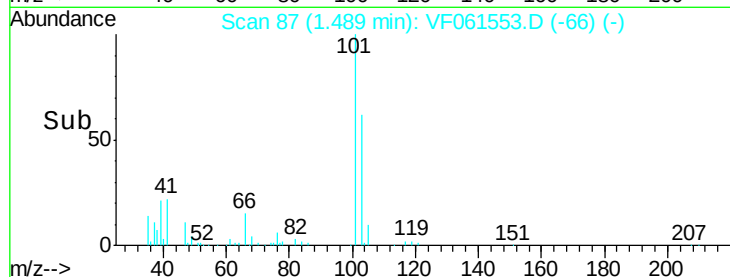
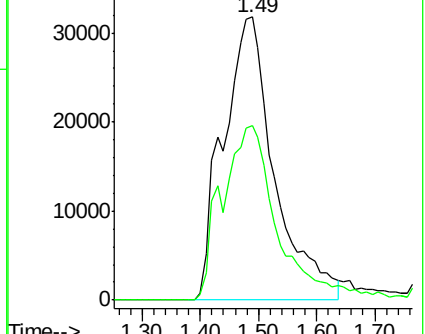
101 100

103 61.8 49.7 74.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 56.815 ug/l

RT: 1.63 min Scan# 101

Delta R.T. -0.00 min

Lab File: VF061553.D

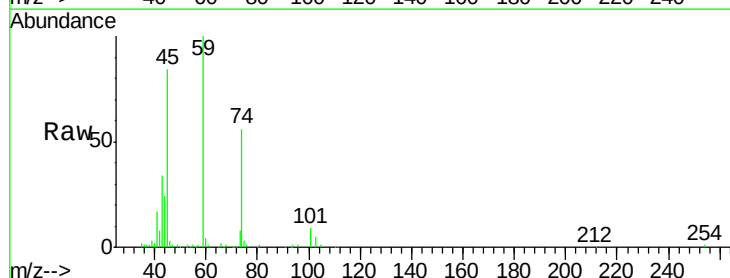
Acq: 7 Feb 2019 19:08

Tgt Ion: 74 Resp: 29687

Ion Ratio Lower Upper

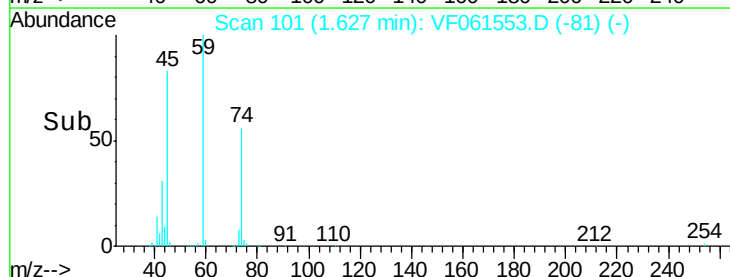
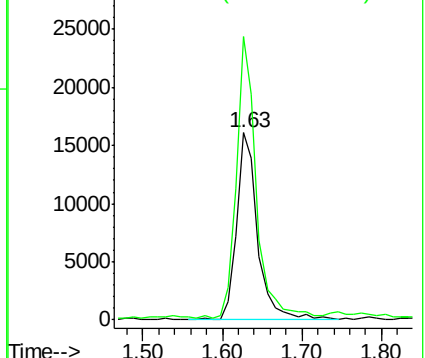
74 100

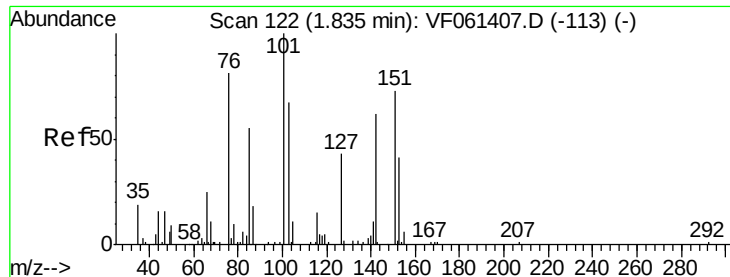
45 151.2 65.8 197.5



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: 45.880 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :

MSVOA_F

ClientSampleId :

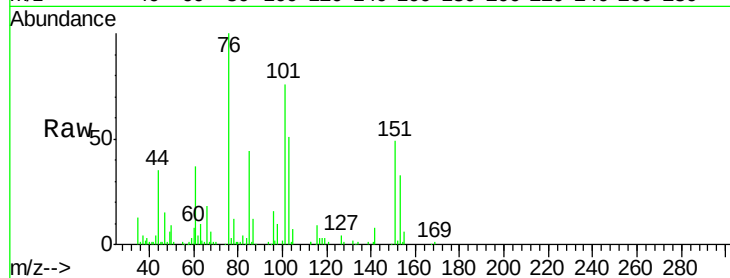
Tot Ion:101 Resp: 89899

Ion Ratio Lower Upper

101 100

85 58.4 41.9 62.9

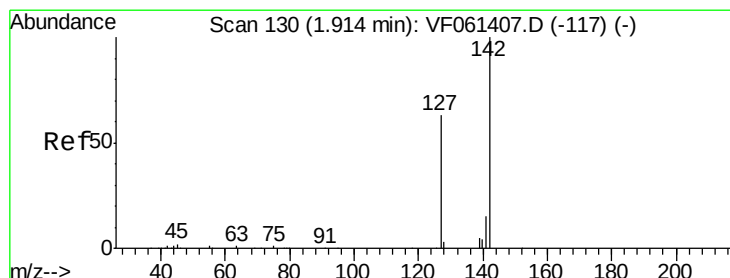
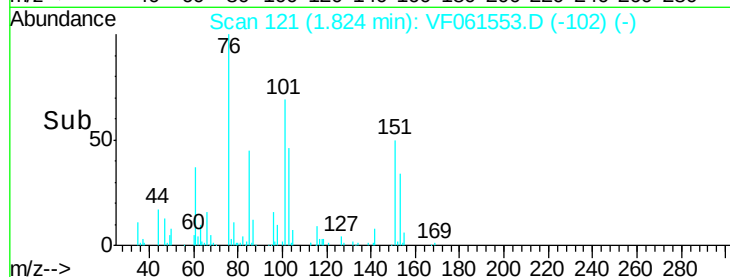
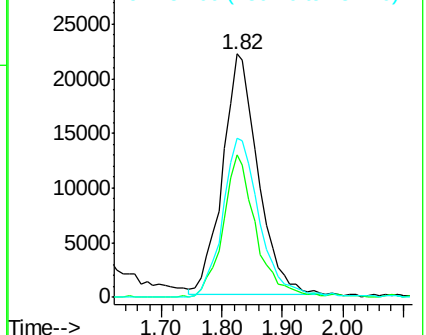
151 65.5 55.1 82.7



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: 41.754 ug/l

RT: 1.89 min Scan# 128

Delta R.T. -0.02 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

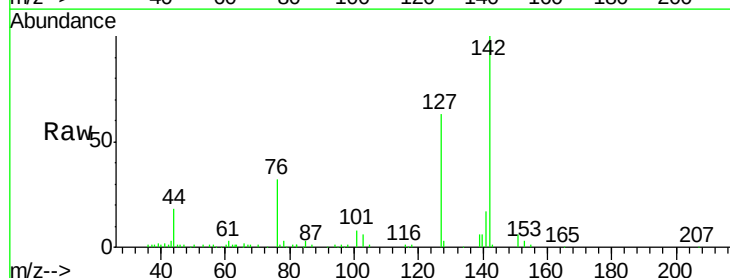
Tgt Ion:142 Resp: 126836

Ion Ratio Lower Upper

142 100

127 63.0 50.7 76.1

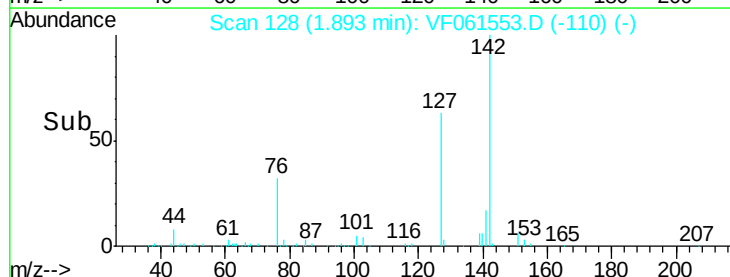
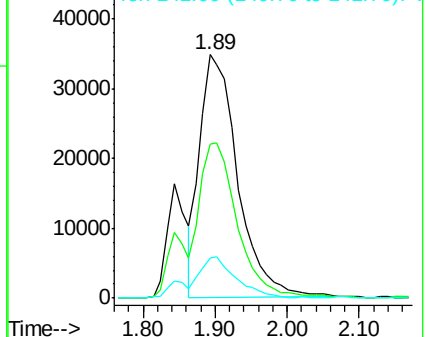
141 16.7 11.8 17.6

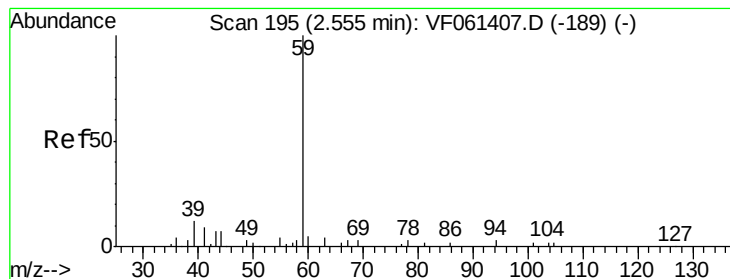


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



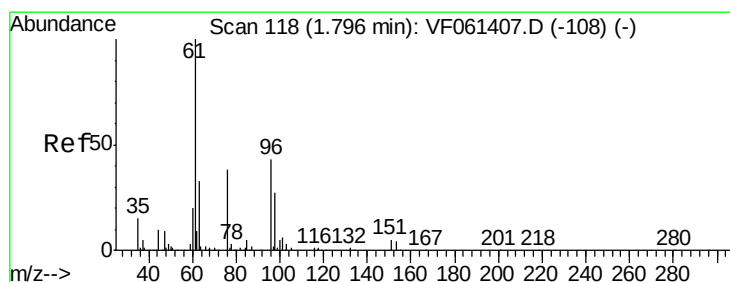
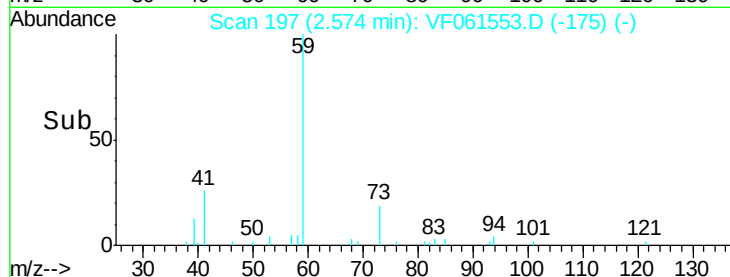
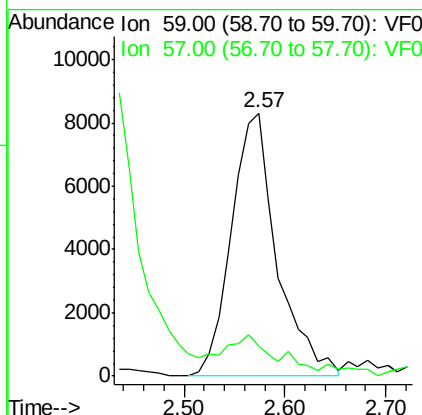
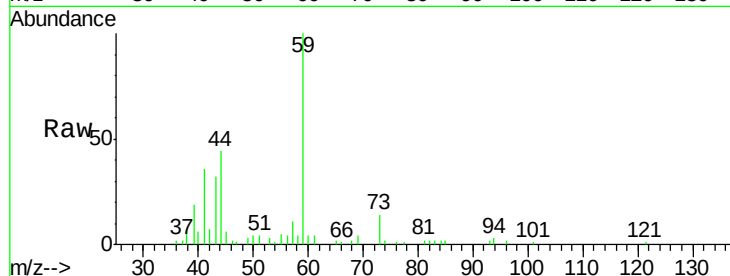


#11

Tert butyl alcohol
 Concen: 305.765 ug/l
 RT: 2.57 min Scan# 197
 Delta R.T. 0.02 min
 Lab File: VF061553.D
 Acq: 7 Feb 2019 19:08

Instrument :
 MSVOA_F
 ClientSampleId :

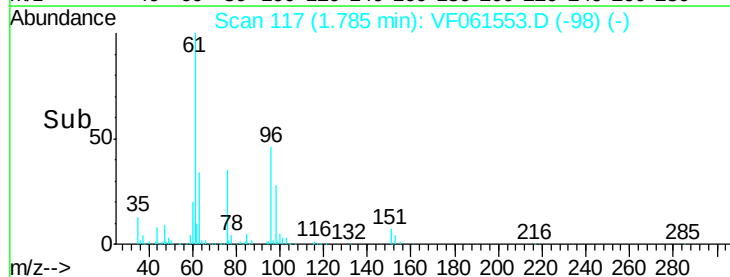
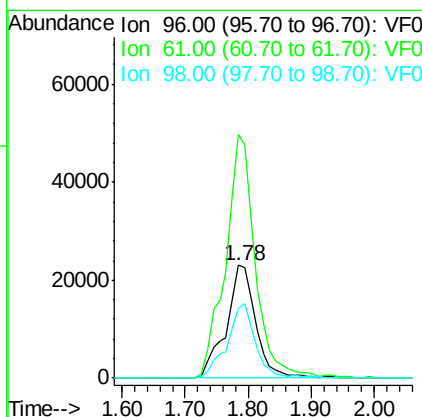
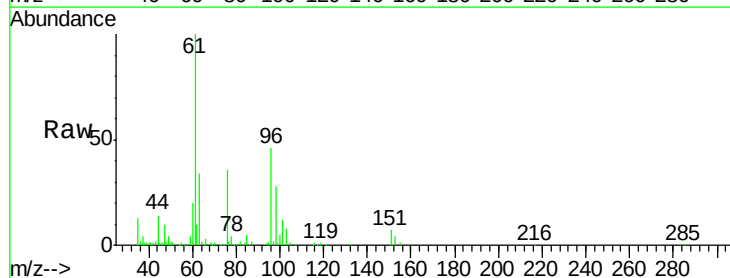
Tot Ion: 59 Resp: 26154
 Ion Ratio Lower Upper
 59 100
 57 11.3 11.9 17.9#

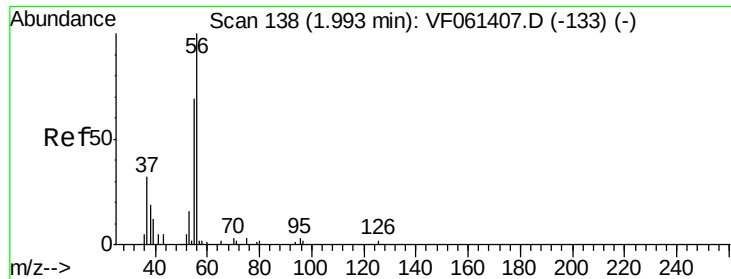


#12

1,1-Dichloroethene
 Concen: 51.492 ug/l
 RT: 1.78 min Scan# 117
 Delta R.T. -0.01 min
 Lab File: VF061553.D
 Acq: 7 Feb 2019 19:08

Tgt Ion: 96 Resp: 74958
 Ion Ratio Lower Upper
 96 100
 61 216.1 186.9 280.3
 98 61.4 53.0 79.4

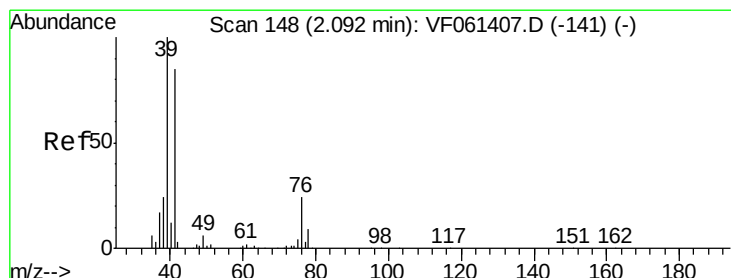
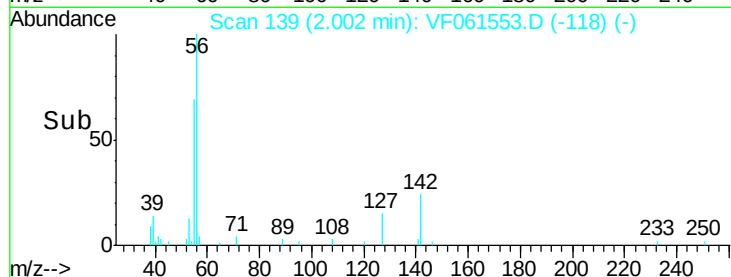
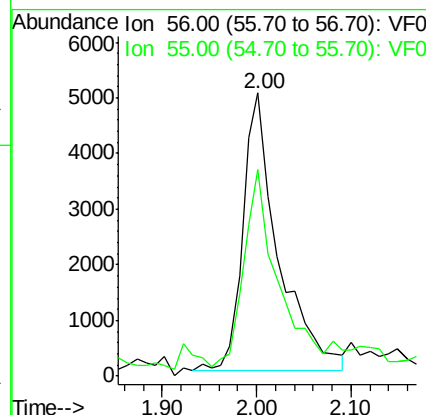
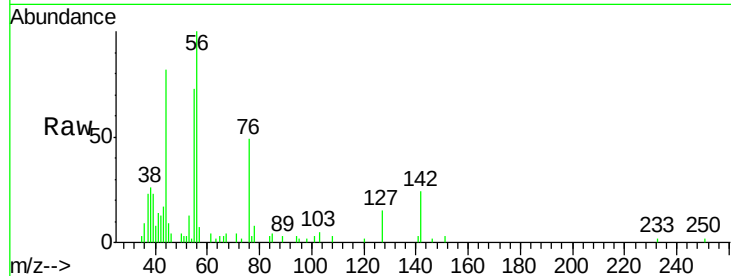




#13
 Acrolein
 Concen: 178.201 ug/l
 RT: 2.00 min Scan# 139
 Delta R.T. 0.01 min
 Lab File: VF061553.D
 Acq: 7 Feb 2019 19:08

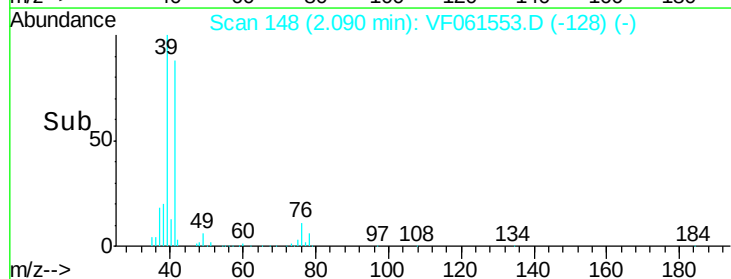
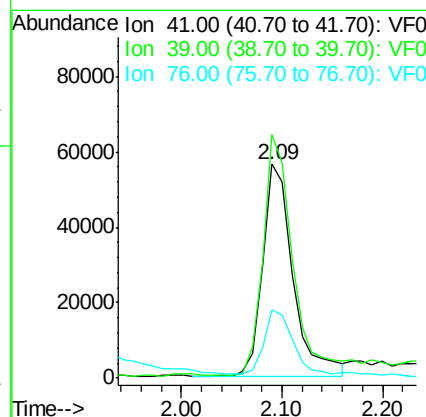
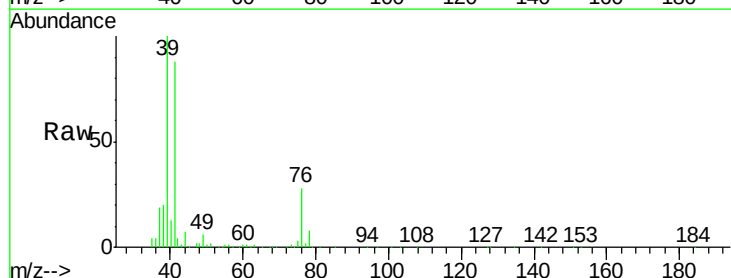
Instrument :
 MSVOA_F
 ClientSampleId :

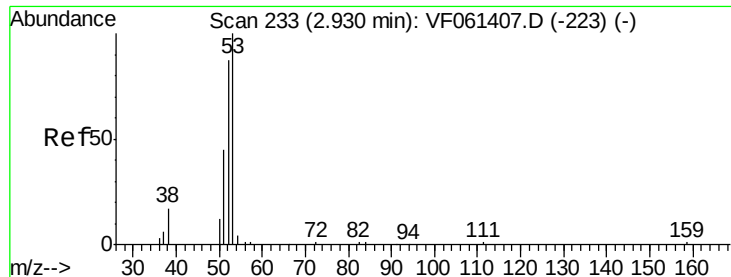
Tot Ion: 56 Resp: 12901
 Ion Ratio Lower Upper
 56 100
 55 73.1 57.5 86.3



#14
 Allyl chloride
 Concen: 71.467 ug/l
 RT: 2.09 min Scan# 148
 Delta R.T. -0.00 min
 Lab File: VF061553.D
 Acq: 7 Feb 2019 19:08

Tgt Ion: 41 Resp: 118061
 Ion Ratio Lower Upper
 41 100
 39 114.0 94.6 141.8
 76 31.8 25.9 38.9





#15

Acrylonitrile

Concen: 320.669 ug/l

RT: 2.94 min Scan# 234

Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :

MSVOA_F

ClientSampleId :

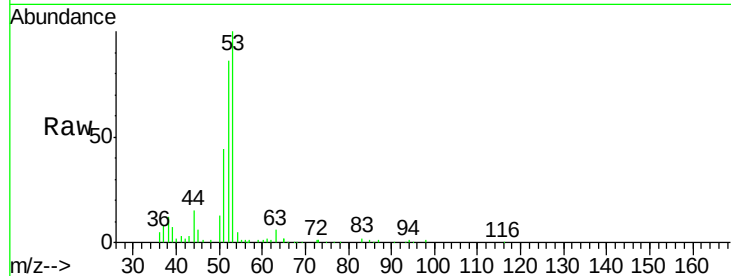
Tot Ion: 53 Resp: 70259

Ion Ratio Lower Upper

53 100

52 86.1 69.6 104.4

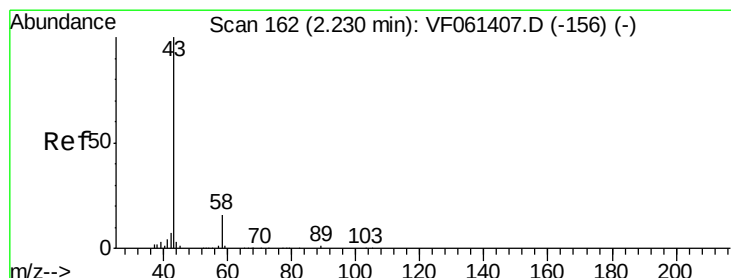
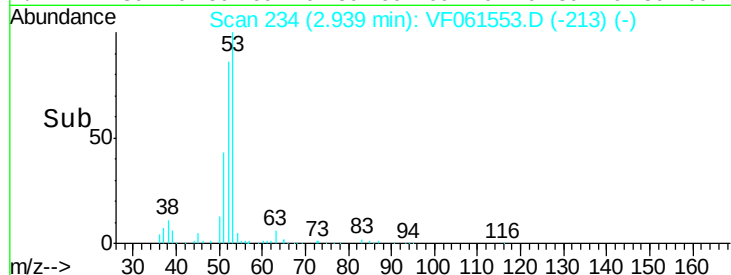
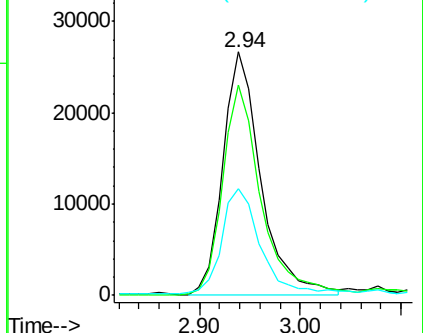
51 43.6 36.8 55.2



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: 264.130 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.01 min

Lab File: VF061553.D

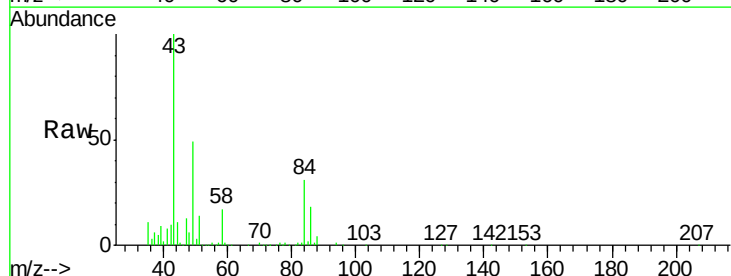
Acq: 7 Feb 2019 19:08

Tgt Ion: 43 Resp: 107077

Ion Ratio Lower Upper

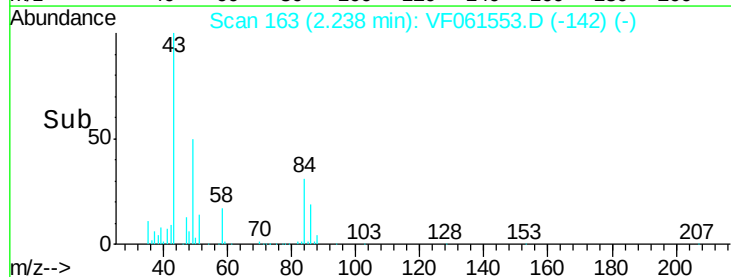
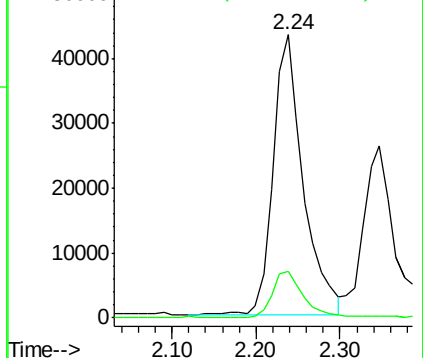
43 100

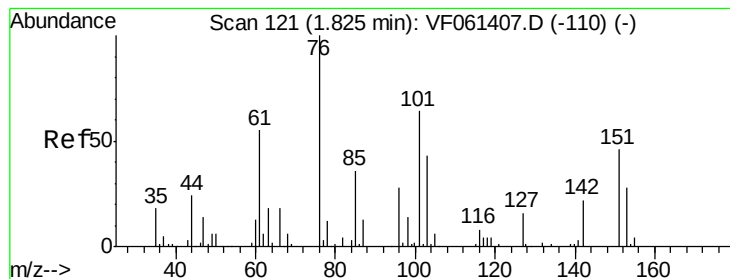
58 16.6 13.3 19.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 46.999 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.00 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :

MSVOA_F

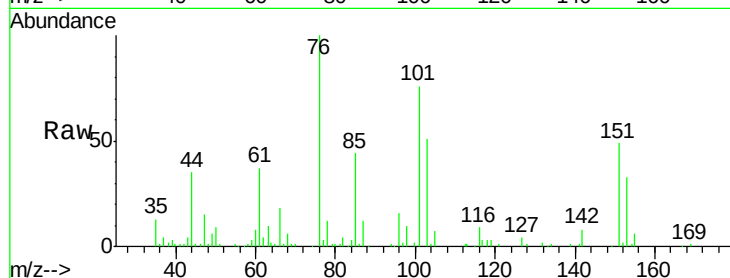
ClientSampleId :

Tot Ion: 76 Resp: 213330

Ion Ratio Lower Upper

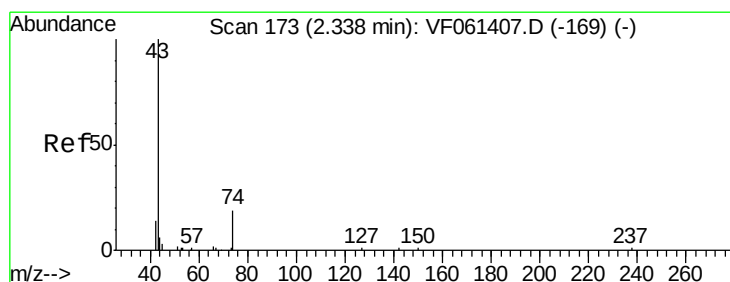
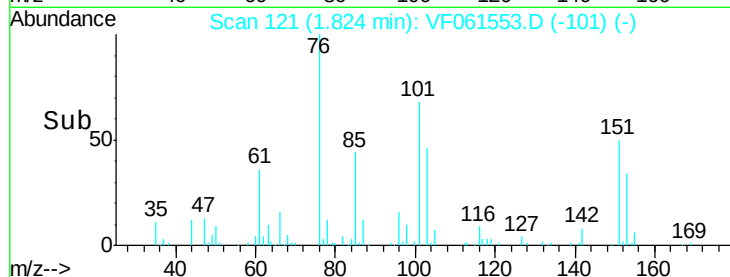
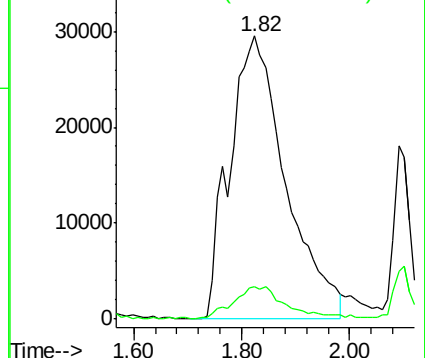
76 100

78 11.7 9.6 14.4



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 70.984 ug/l

RT: 2.35 min Scan# 174

Delta R.T. 0.01 min

Lab File: VF061553.D

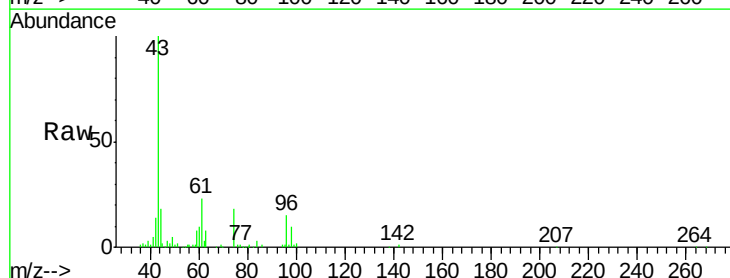
Acq: 7 Feb 2019 19:08

Tgt Ion: 43 Resp: 57068

Ion Ratio Lower Upper

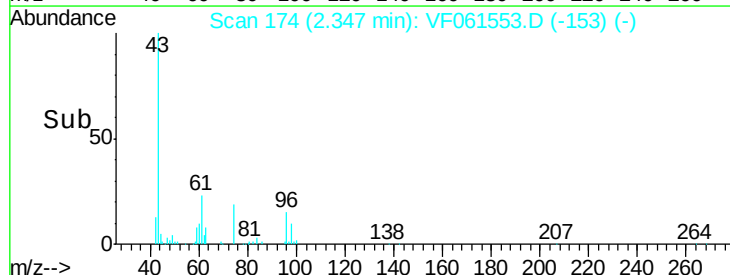
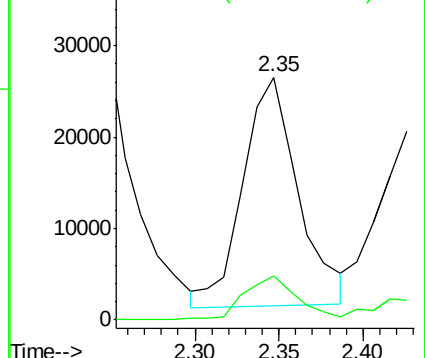
43 100

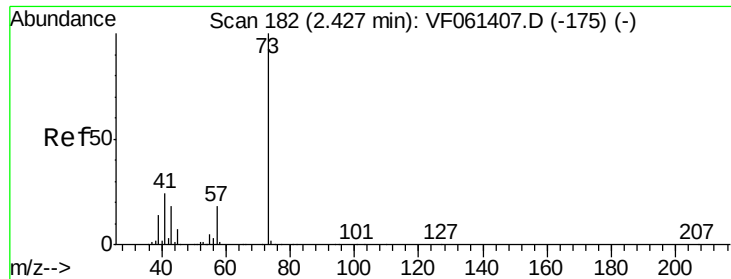
74 18.3 13.4 20.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



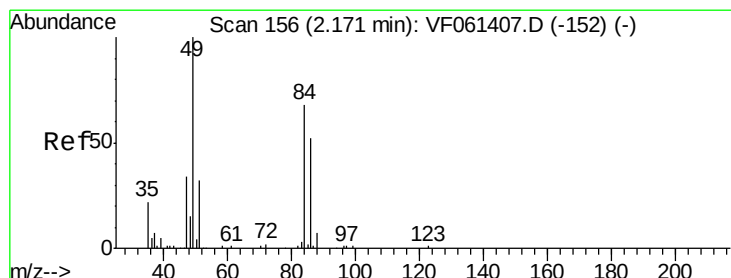
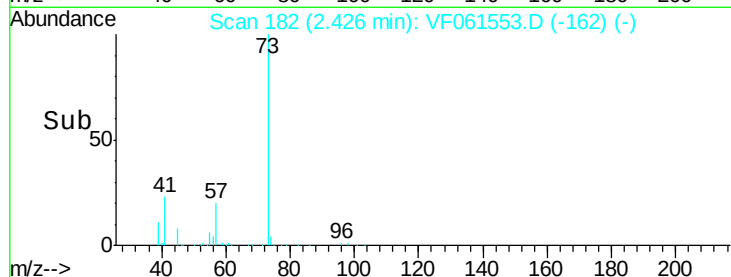
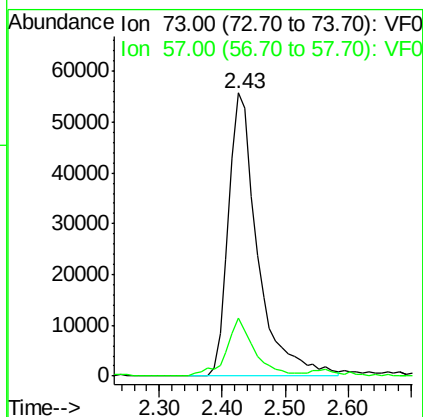
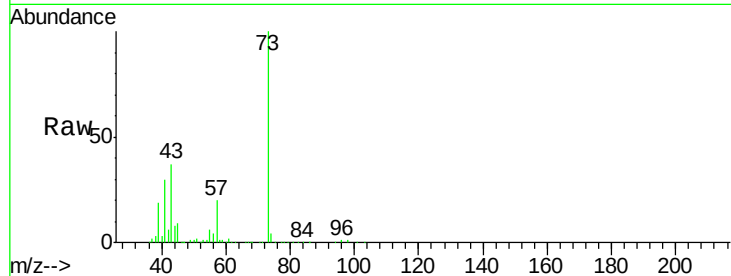


#19

Methyl tert-butyl Ether
 Concen: 54.798 ug/l
 RT: 2.43 min Scan# 182
 Delta R.T. -0.00 min
 Lab File: VF061553.D
 Acq: 7 Feb 2019 19:08

Instrument :
 MSVOA_F
 ClientSampled :

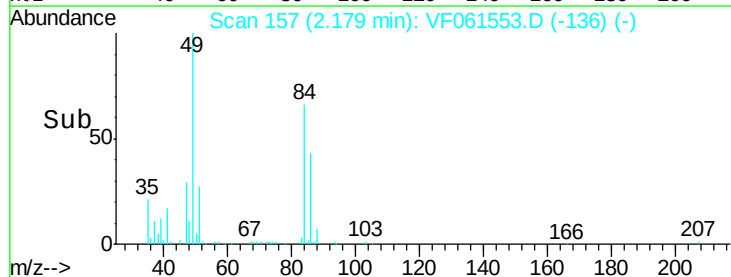
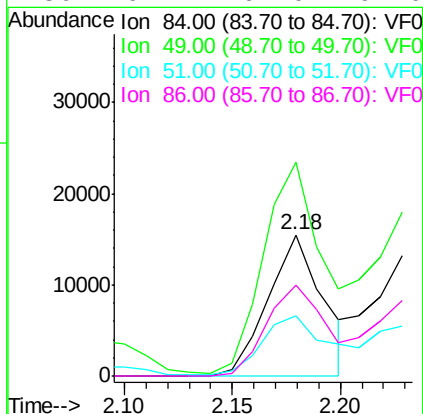
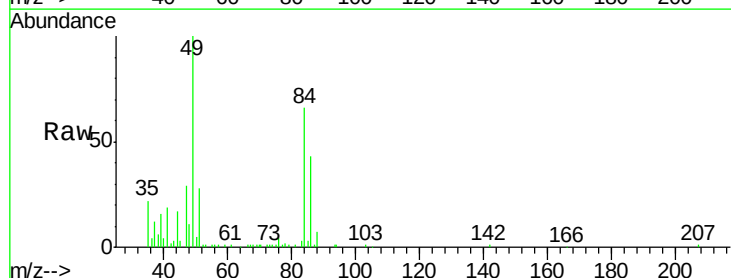
Tot Ion: 73 Resp: 178825
 Ion Ratio Lower Upper
 73 100
 57 20.4 14.8 22.2

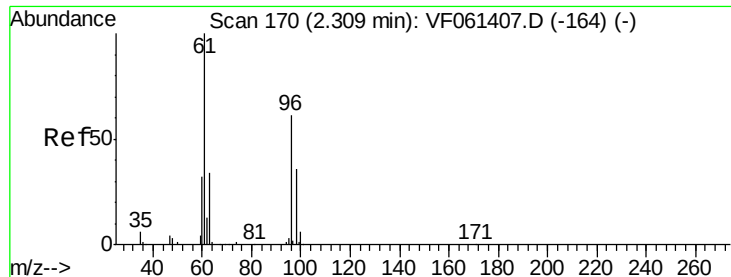


#20

Methylene Chloride
 Concen: 18.886 ug/l
 RT: 2.18 min Scan# 157
 Delta R.T. 0.01 min
 Lab File: VF061553.D
 Acq: 7 Feb 2019 19:08

Tgt Ion: 84 Resp: 27495
 Ion Ratio Lower Upper
 84 100
 49 151.5 120.0 180.0
 51 42.4 38.6 58.0
 86 64.7 61.0 91.6





#21

trans-1,2-Dichloroethene

Concen: 51.294 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :

MSVOA_F

ClientSampleId :

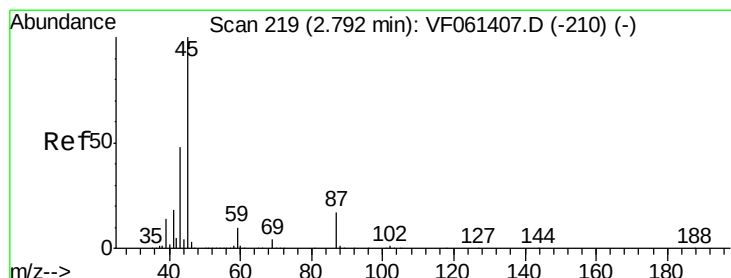
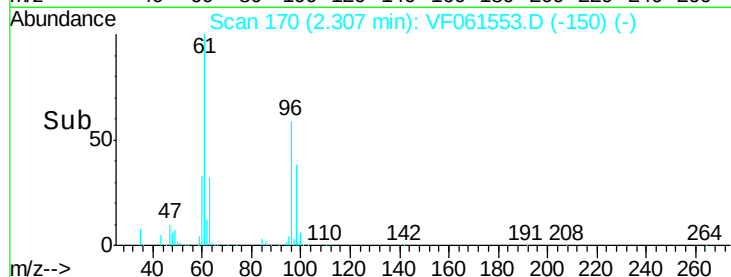
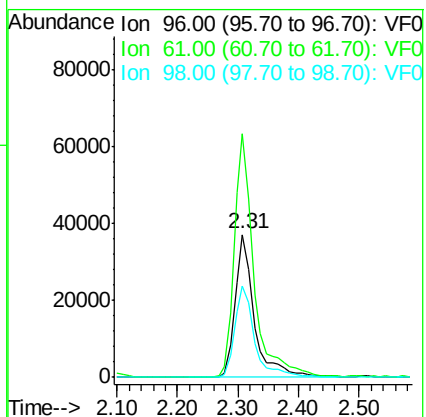
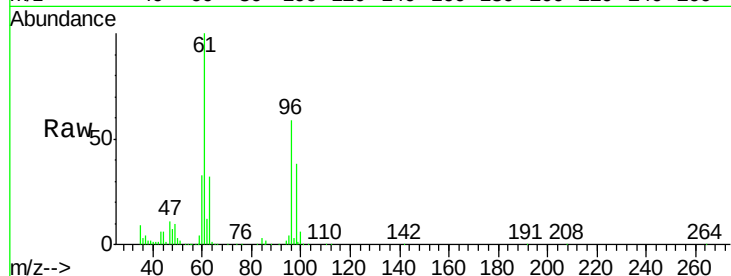
Tot Ion: 96 Resp: 82155

Ion Ratio Lower Upper

96 100

61 170.6 131.8 197.8

98 64.0 47.4 71.0



#22

Diisopropyl ether

Concen: 52.578 ug/l

RT: 2.80 min Scan# 220

Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Tgt Ion: 45 Resp: 272378

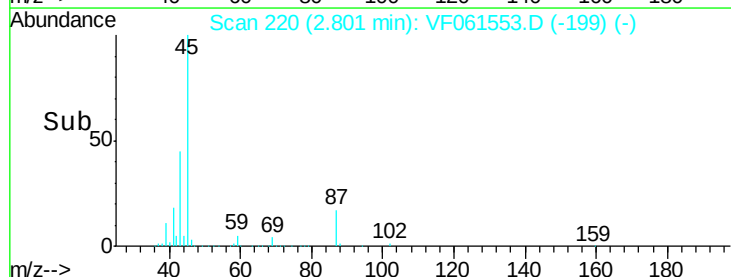
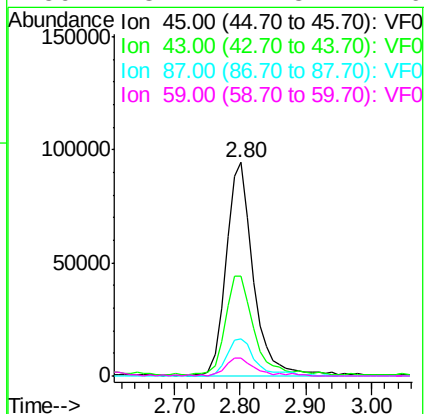
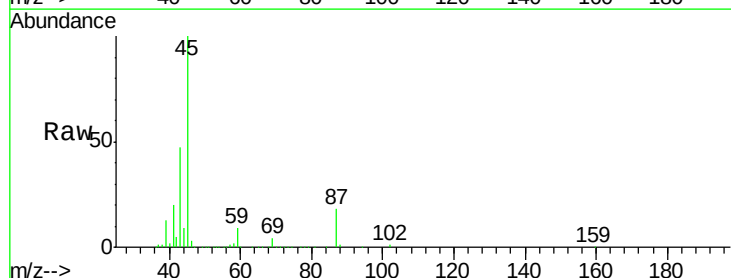
Ion Ratio Lower Upper

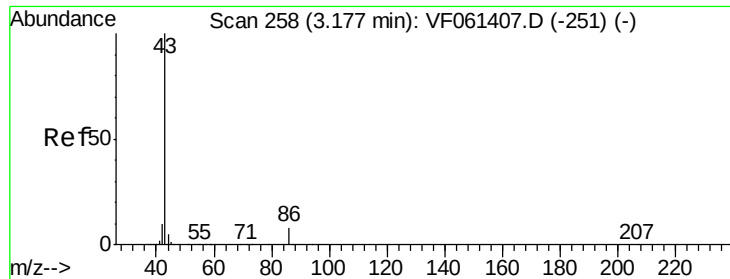
45 100

43 47.0 39.0 58.6

87 17.5 13.9 20.9

59 8.7 7.8 11.6





#23

Vinyl Acetate

Concen: 258.945 ug/l

RT: 3.19 min Scan# 259

Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

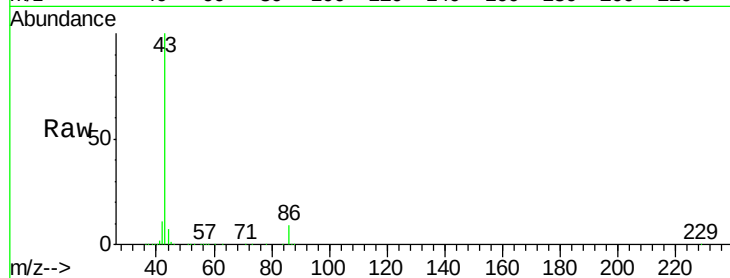
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 590300

Ion Ratio Lower Upper

43 100

86 8.6 6.2 9.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

250000

200000

150000

100000

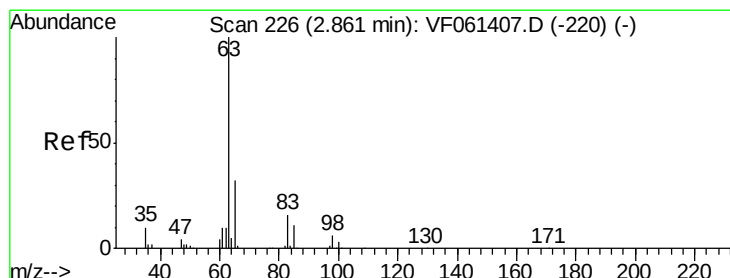
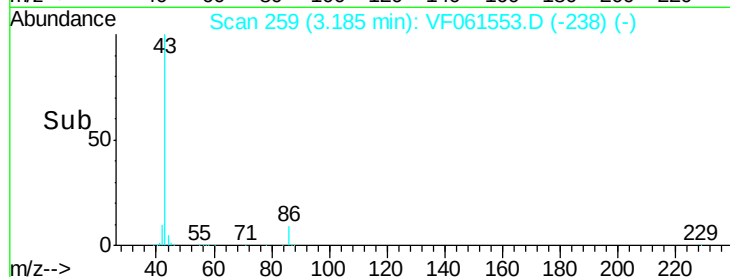
50000

0

3.19

3.00 3.10 3.20 3.30 3.40

Time-->



#24

1,1-Dichloroethane

Concen: 51.438 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

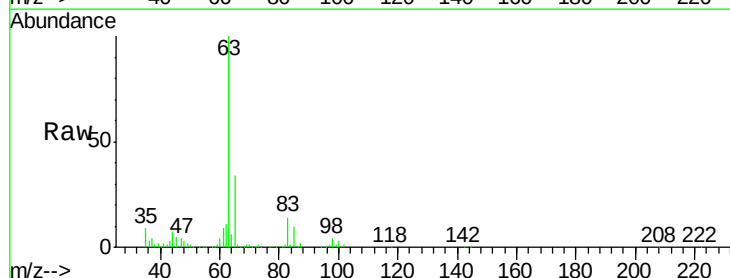
Tgt Ion: 63 Resp: 167245

Ion Ratio Lower Upper

63 100

98 4.5 2.9 8.8

100 3.3 1.6 4.8



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

80000

60000

40000

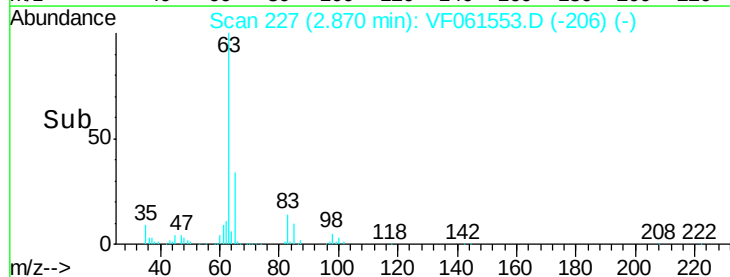
20000

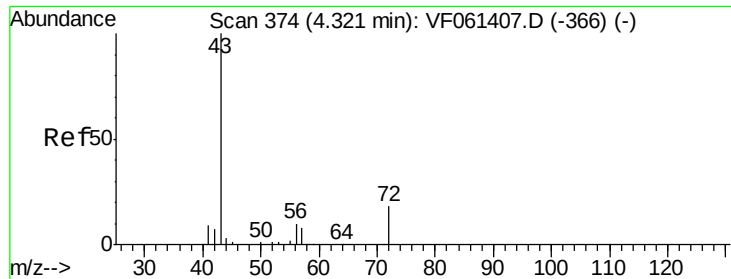
0

2.87

2.70 2.80 2.90 3.00

Time-->





#25

2-Butanone

Concen: 268.474 ug/l

RT: 4.33 min Scan# 375

Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

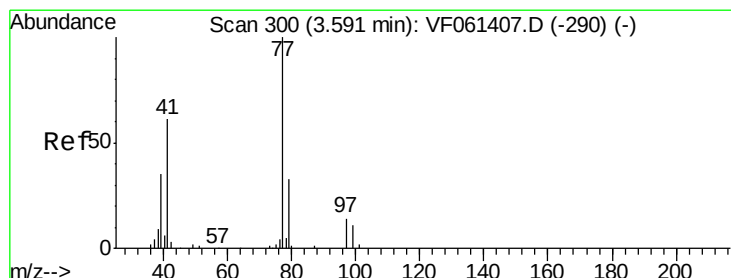
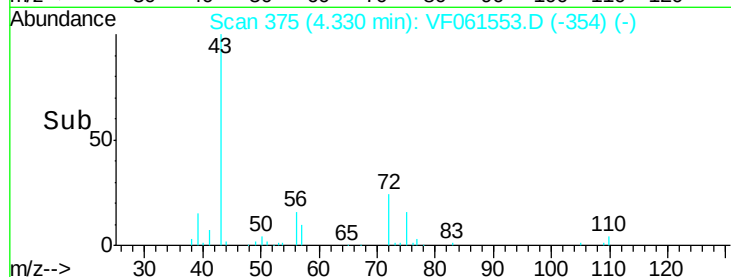
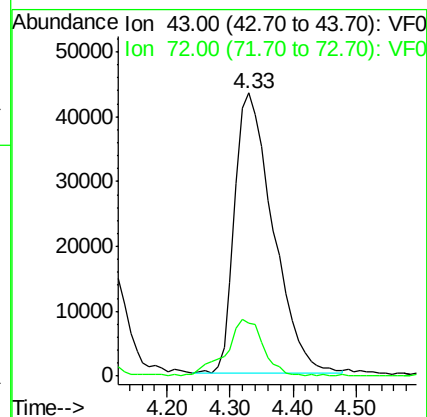
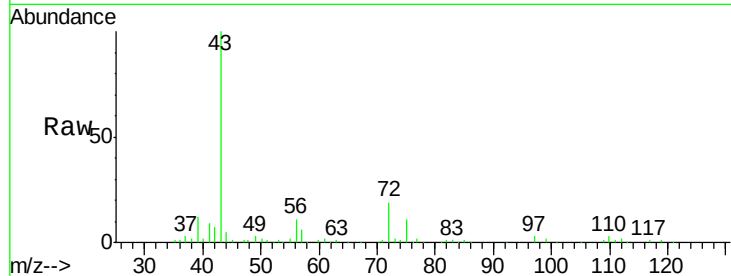
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 180993

Ion Ratio Lower Upper

43 100

72 18.9 15.8 23.6



#26

2,2-Dichloropropane

Concen: 47.379 ug/l

RT: 3.60 min Scan# 301

Delta R.T. 0.01 min

Lab File: VF061553.D

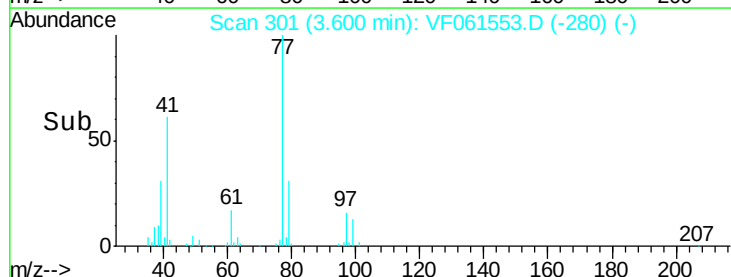
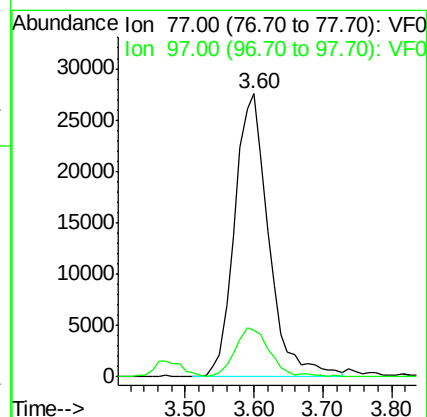
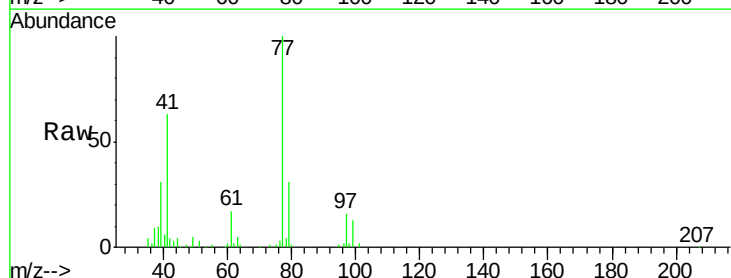
Acq: 7 Feb 2019 19:08

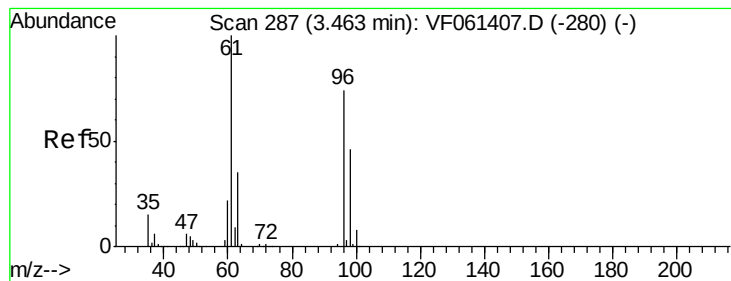
Tgt Ion: 77 Resp: 94646

Ion Ratio Lower Upper

77 100

97 16.5 8.5 25.5



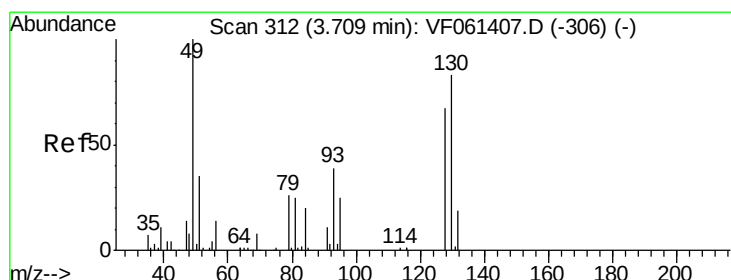
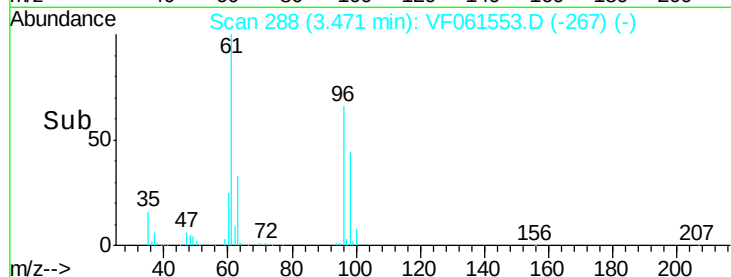
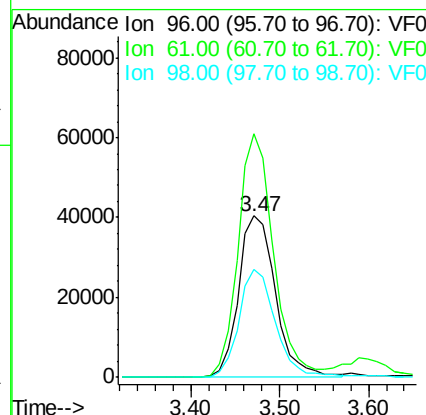
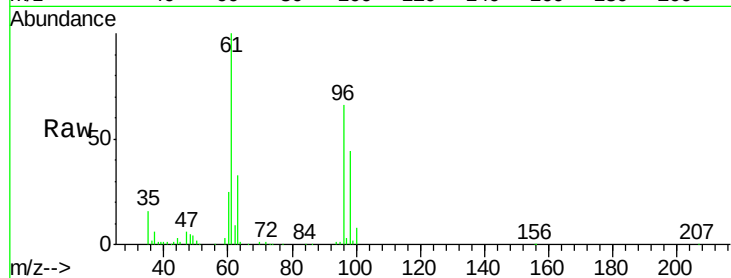


#27

cis-1,2-Dichloroethene
 Concen: 49.512 ug/l
 RT: 3.47 min Scan# 288
 Delta R.T. 0.01 min
 Lab File: VF061553.D
 Acq: 7 Feb 2019 19:08

Instrument :
 MSVOA_F
 ClientSampleId :

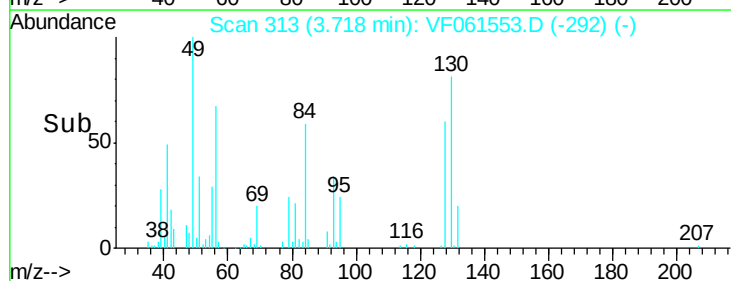
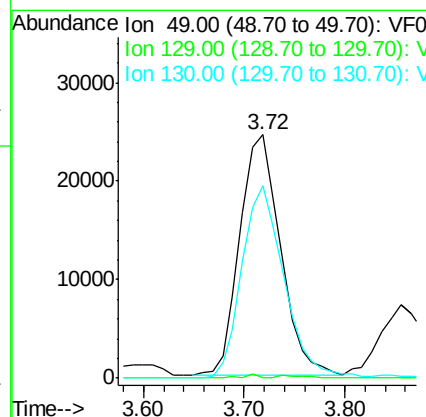
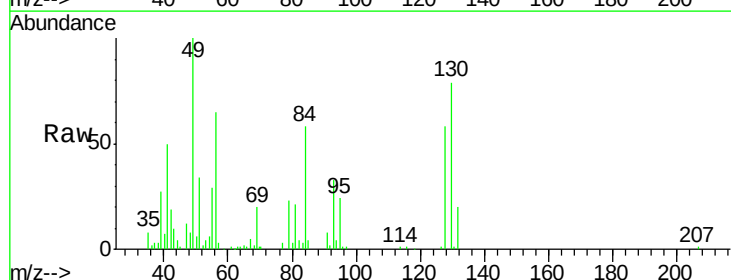
Tot Ion	96	Resp	117059
Ion	Ratio	Lower	Upper
96	100		
61	150.7	0.0	270.2
98	66.9	0.0	124.0

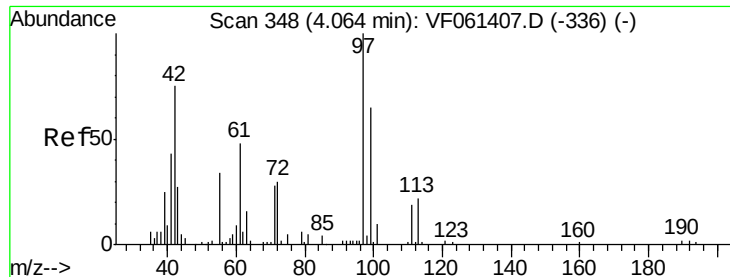


#28

Bromochloromethane
 Concen: 47.248 ug/l
 RT: 3.72 min Scan# 313
 Delta R.T. 0.01 min
 Lab File: VF061553.D
 Acq: 7 Feb 2019 19:08

Tgt Ion	49	Resp	69054
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	78.9	65.4	98.2





#29

Tetrahydrofuran

Concen: 292.787 ug/l

RT: 4.06 min Scan# 348

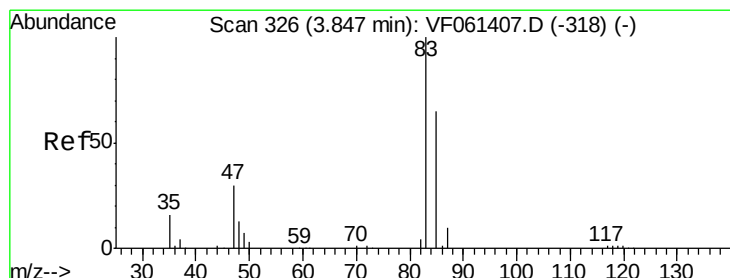
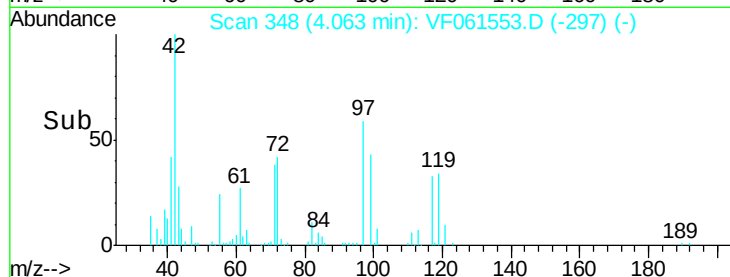
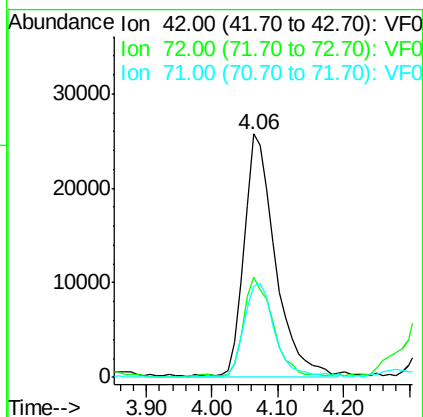
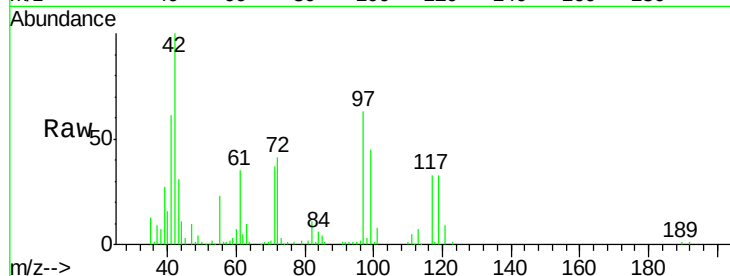
Delta R.T. -0.00 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	42	Resp:	84992
Ion	Ratio	Lower	Upper
42	100		
72	39.0	28.9	43.3
71	38.4	29.6	44.4



#30

Chloroform

Concen: 51.381 ug/l

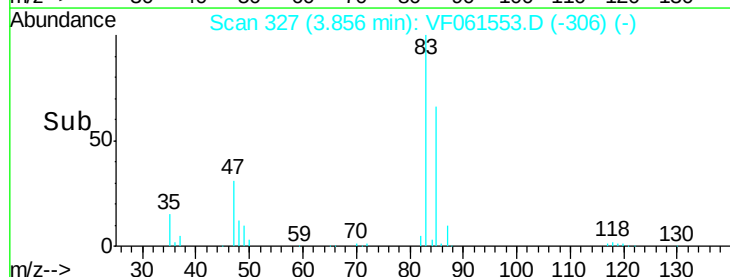
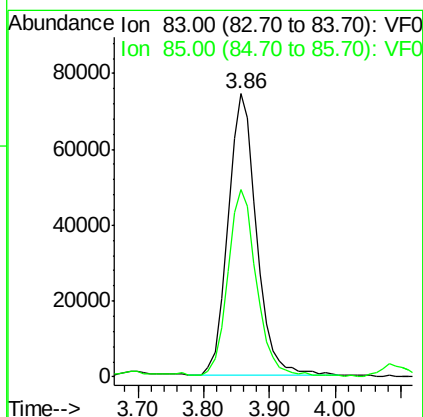
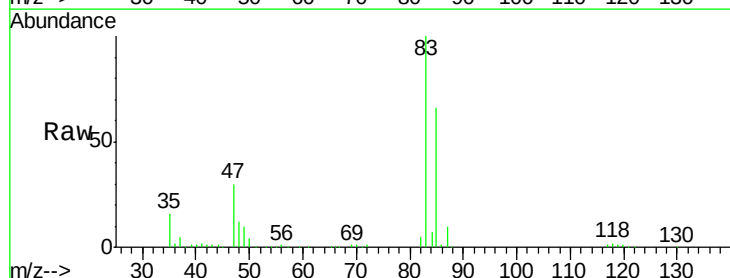
RT: 3.86 min Scan# 327

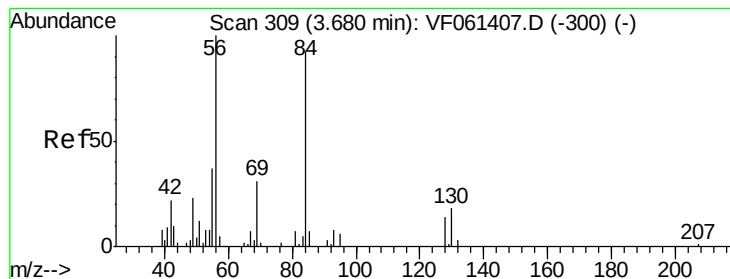
Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Tgt Ion:	83	Resp:	225459
Ion	Ratio	Lower	Upper
83	100		
85	66.4	52.7	79.1





#31

Cyclohexane

Concen: 29.245 ug/l

RT: 3.69 min Scan# 310

Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :

MSVOA_F

ClientSampleId :

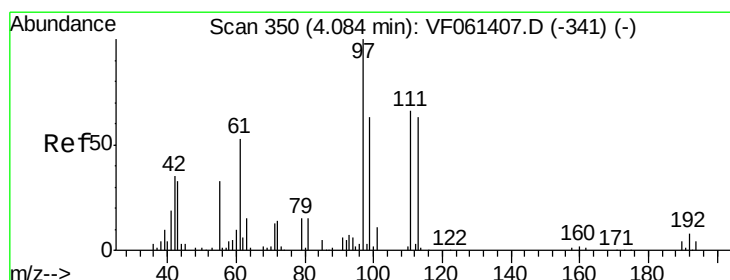
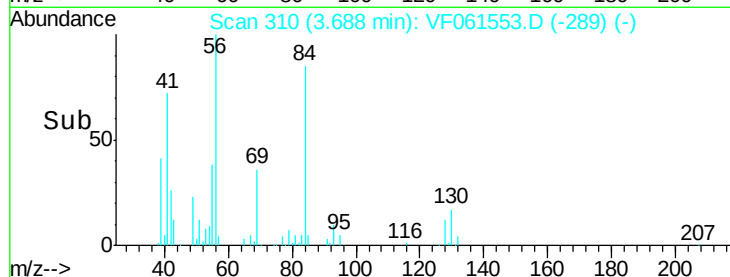
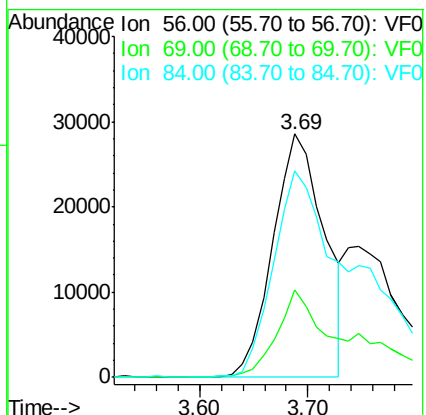
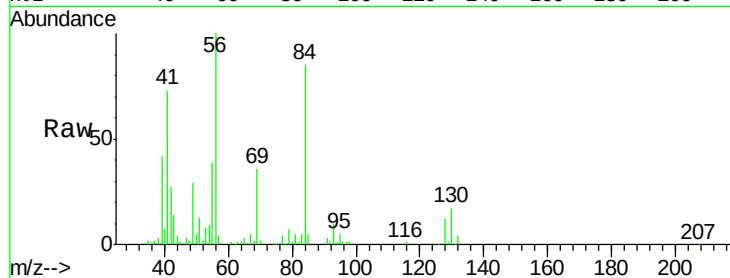
Tot Ion: 56 Resp: 94982

Ion Ratio Lower Upper

56 100

69 36.1 24.6 36.8

84 85.1 74.2 111.2



#32

1,1,1-Trichloroethane

Concen: 51.045 ug/l

RT: 4.09 min Scan# 351

Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

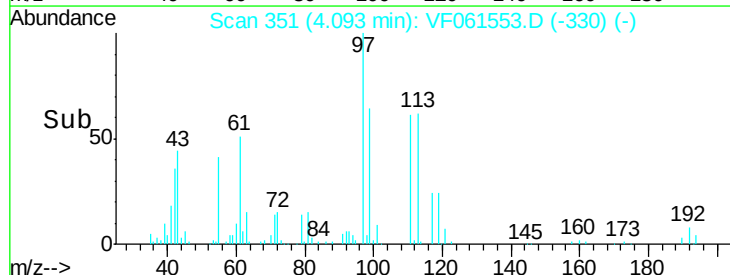
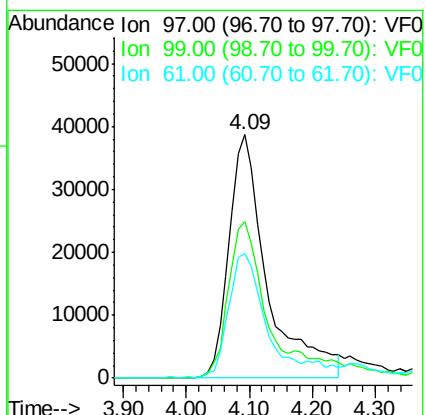
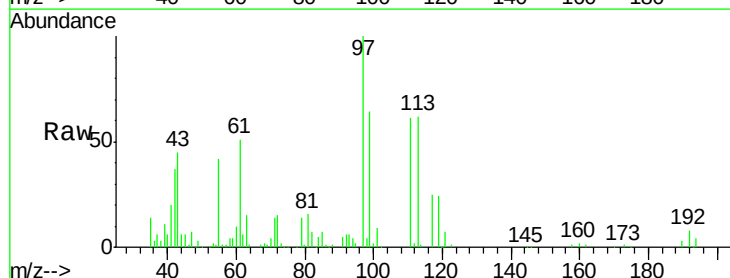
Tgt Ion: 97 Resp: 164234

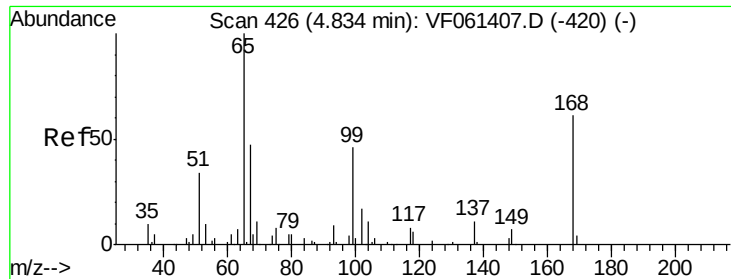
Ion Ratio Lower Upper

97 100

99 64.1 50.1 75.1

61 51.0 43.1 64.7





#33

1,2-Dichloroethane-d4

Concen: 51.848 ug/l

RT: 4.84 min Scan# 427

Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

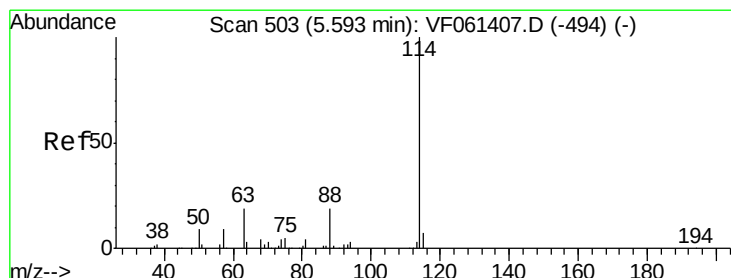
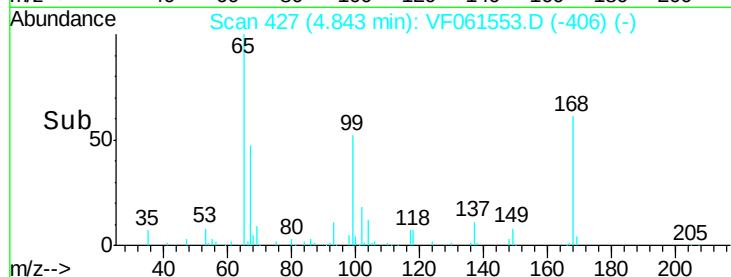
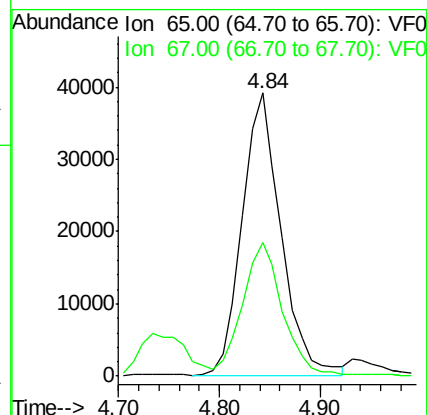
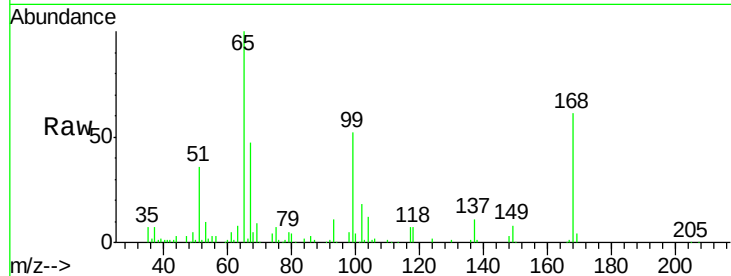
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 65 Resp: 104774

Ion Ratio Lower Upper

65 100

67 47.4 0.0 99.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.00 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

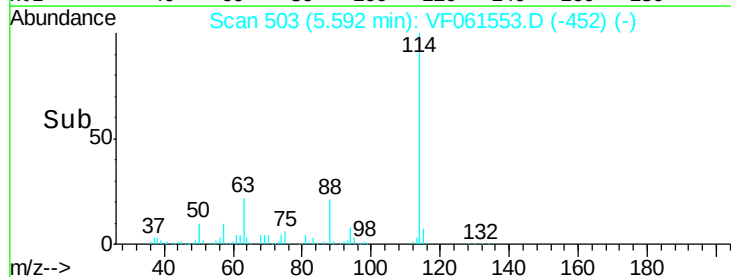
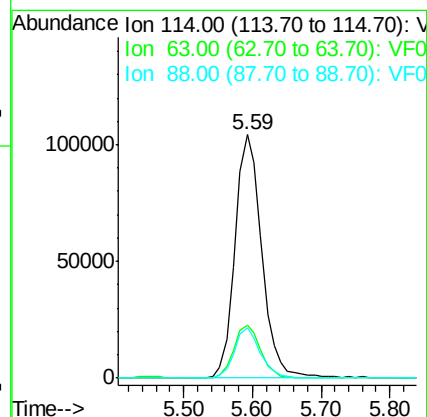
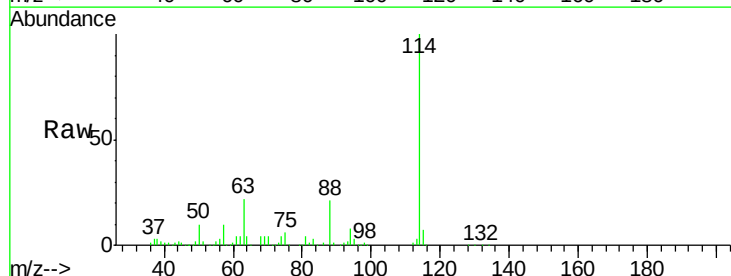
Tgt Ion: 114 Resp: 280864

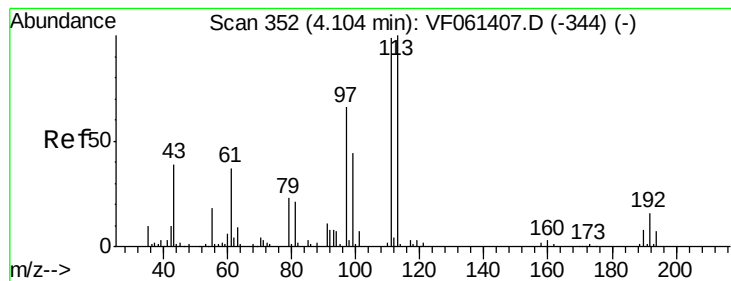
Ion Ratio Lower Upper

114 100

63 21.5 0.0 39.0

88 20.6 0.0 37.4





#35

Dibromofluoromethane

Concen: 50.032 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :
MSVOA_F
ClientSampled :

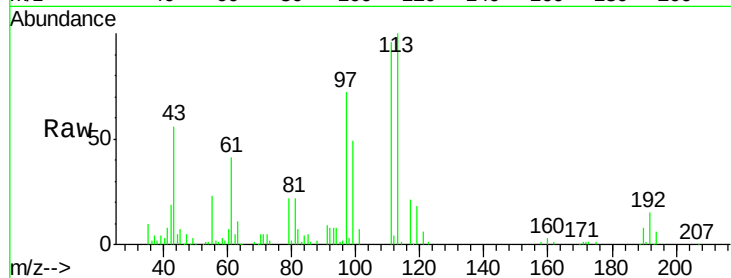
Tot Ion:113 Resp: 110883

Ion Ratio Lower Upper

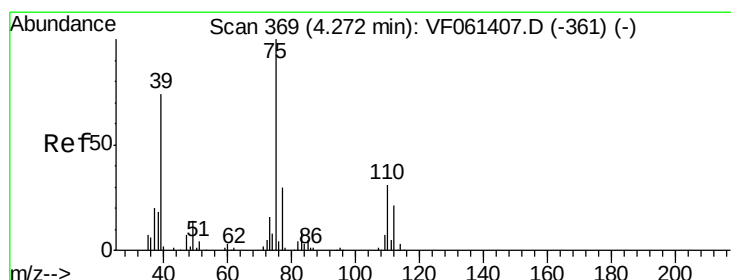
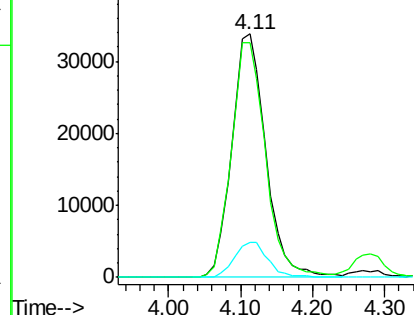
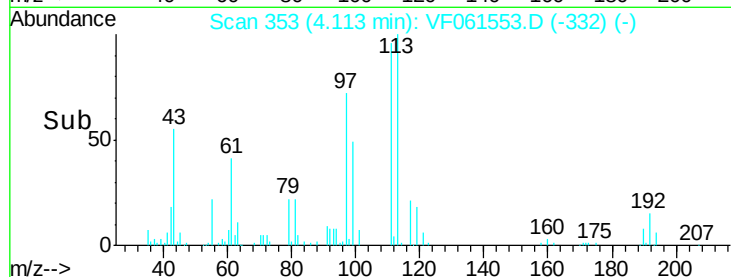
113 100

111 96.4 79.4 119.0

192 14.6 12.4 18.6



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: 51.252 ug/l

RT: 4.27 min Scan# 369

Delta R.T. -0.00 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

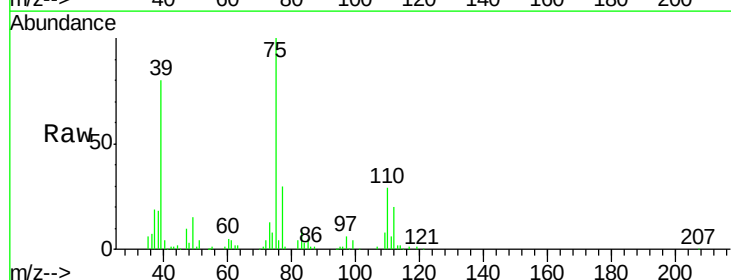
Tgt Ion: 75 Resp: 166901

Ion Ratio Lower Upper

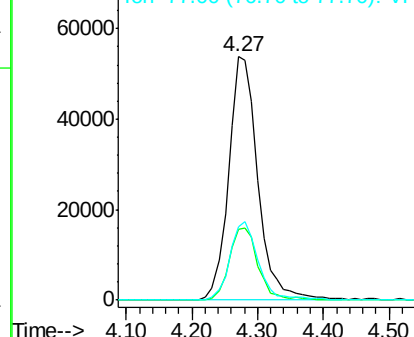
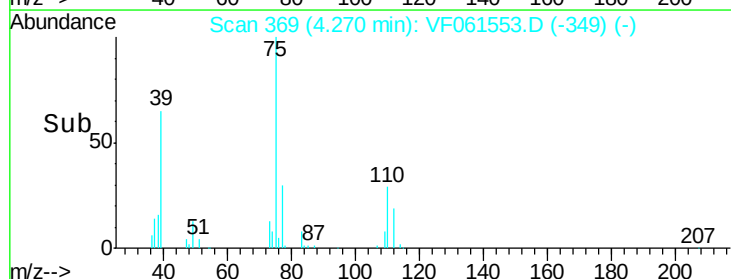
75 100

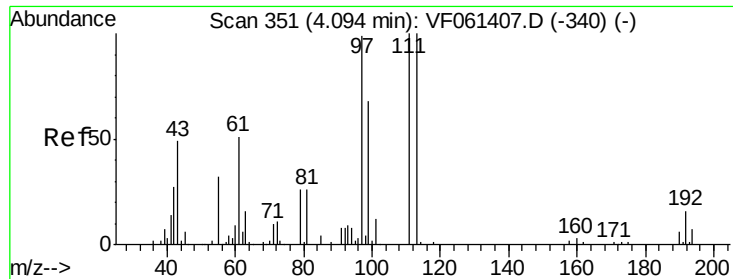
110 28.8 15.8 47.3

77 30.1 24.0 36.0



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

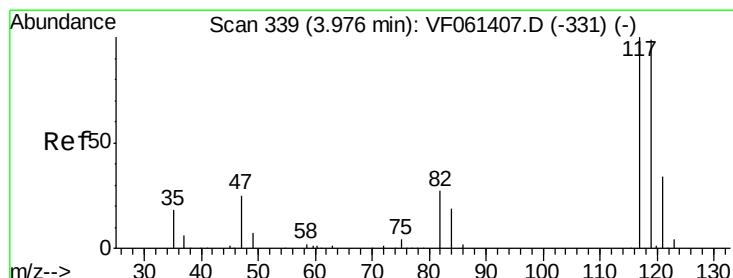
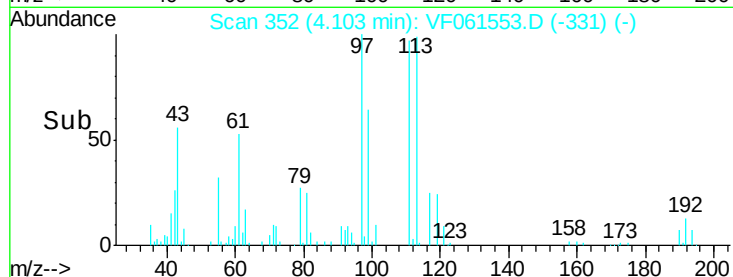
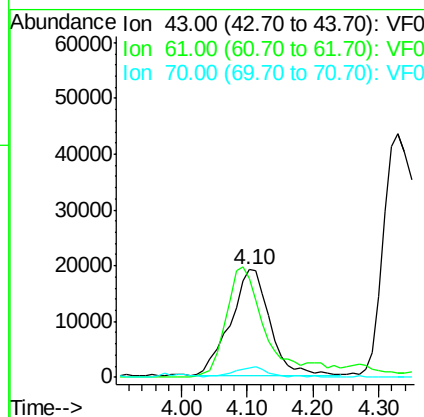
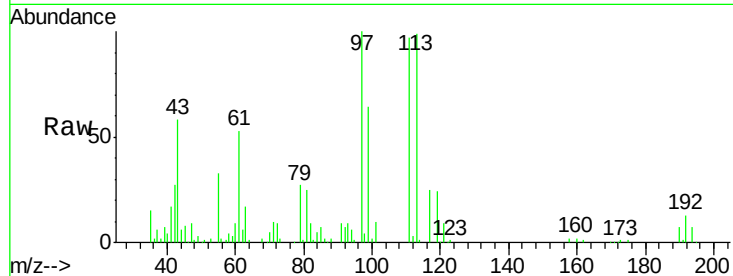




#37
Ethyl Acetate
Concen: 60.428 ug/l
RT: 4.10 min Scan# 352
Delta R.T. 0.01 min
Lab File: VF061553.D
Acq: 7 Feb 2019 19:08

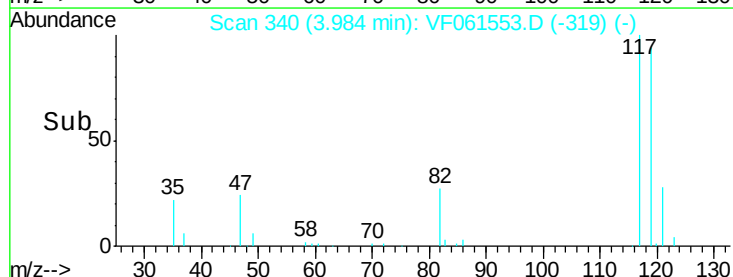
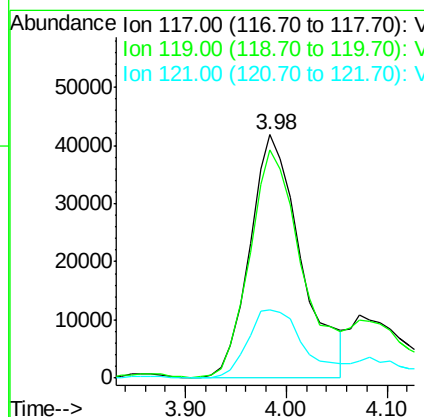
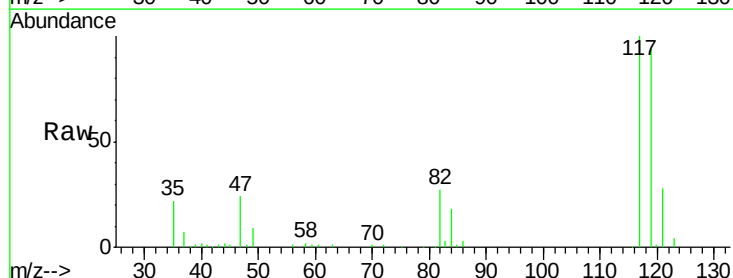
Instrument :
MSVOA_F
ClientSampled :

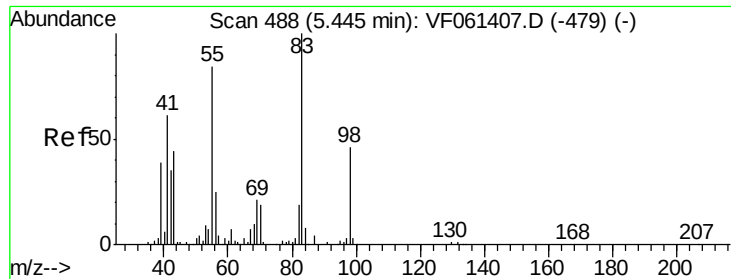
Tot Ion: 43 Resp: 78660
Ion Ratio Lower Upper
43 100
61 92.0 81.7 122.5
70 8.7 6.2 9.2



#38
Carbon Tetrachloride
Concen: 52.067 ug/l
RT: 3.98 min Scan# 340
Delta R.T. 0.01 min
Lab File: VF061553.D
Acq: 7 Feb 2019 19:08

Tgt Ion: 117 Resp: 148232
Ion Ratio Lower Upper
117 100
119 93.7 79.0 118.6
121 28.2 27.0 40.6

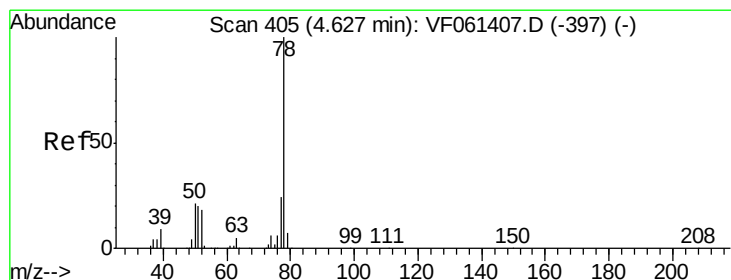
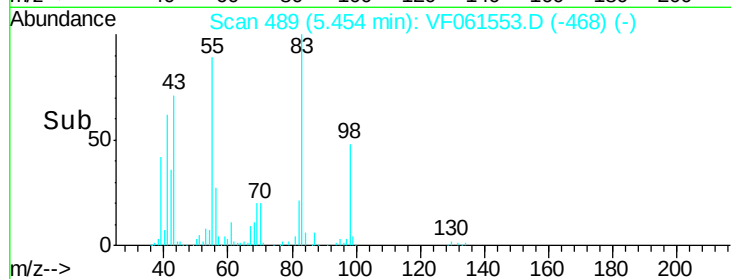
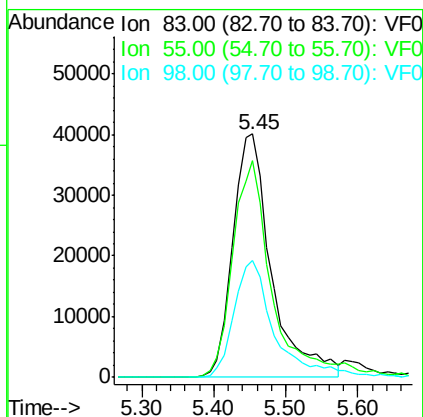
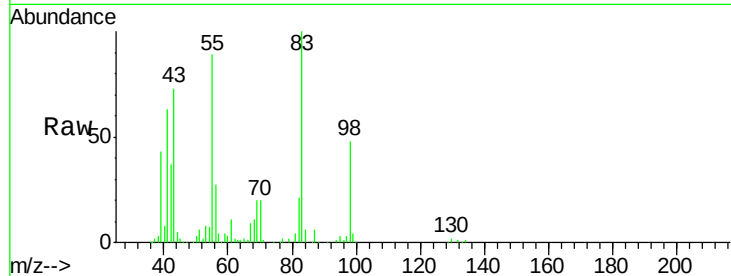




#39
Methylvlcyclohexane
Concen: 42.692 ug/l
RT: 5.45 min Scan# 489
Delta R.T. 0.01 min
Lab File: VF061553.D
Acq: 7 Feb 2019 19:08

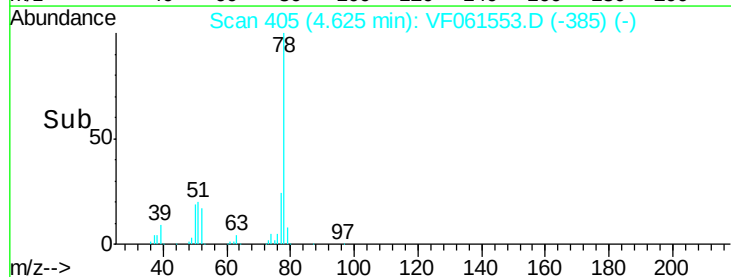
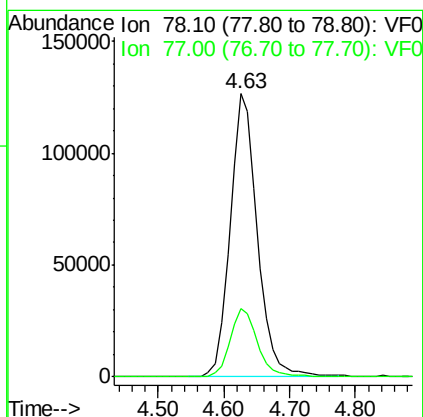
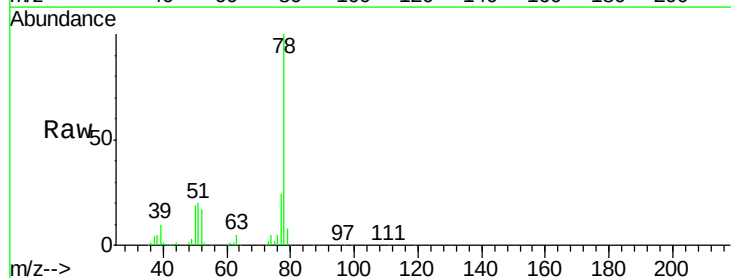
Instrument :
MSVOA_F
ClientSampled :

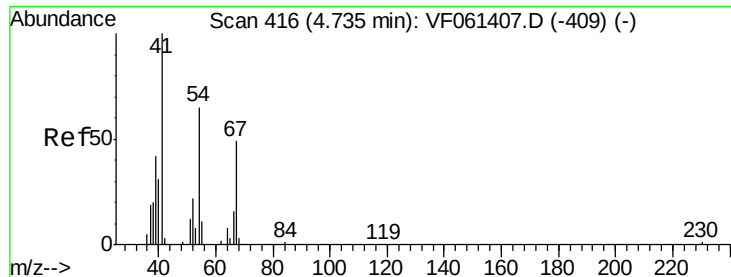
Tot Ion: 83 Resp: 150666
Ion Ratio Lower Upper
83 100
55 89.2 67.4 101.2
98 48.0 36.7 55.1



#40
Benzene
Concen: 50.632 ug/l
RT: 4.63 min Scan# 405
Delta R.T. -0.00 min
Lab File: VF061553.D
Acq: 7 Feb 2019 19:08

Tgt Ion: 78 Resp: 366891
Ion Ratio Lower Upper
78 100
77 24.2 19.0 28.6





#41

Methacrylonitrile

Concen: 56.808 ug/l

RT: 4.74 min Scan# 417

Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 41 Resp: 39348

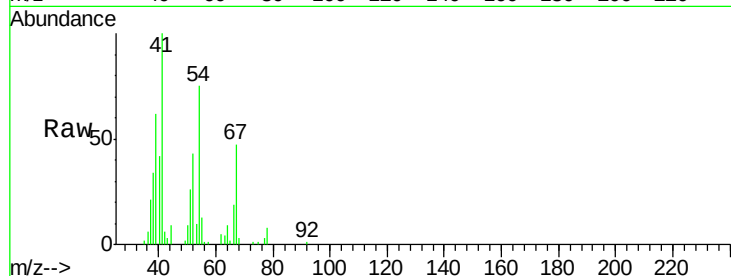
Ion Ratio Lower Upper

41 100

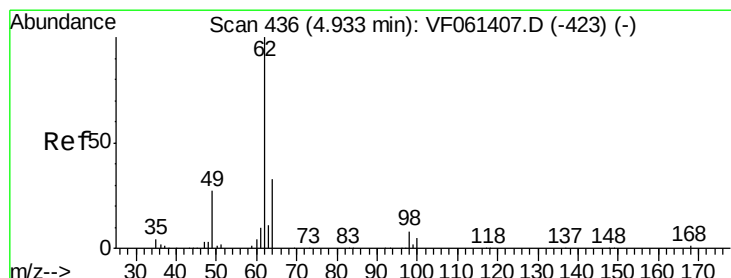
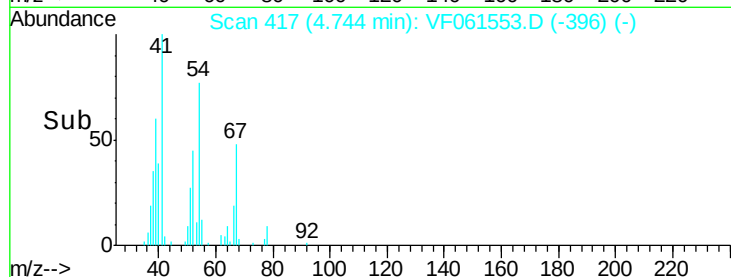
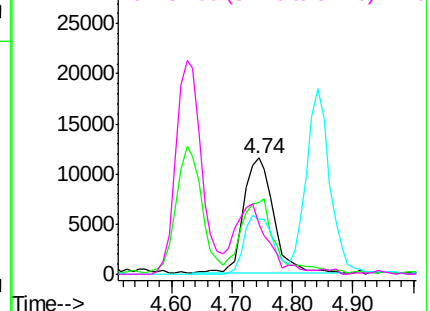
39 62.0 43.1 64.7

67 47.0 38.8 58.2

52 43.4 33.2 49.8



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 55.222 ug/l

RT: 4.94 min Scan# 437

Delta R.T. 0.01 min

Lab File: VF061553.D

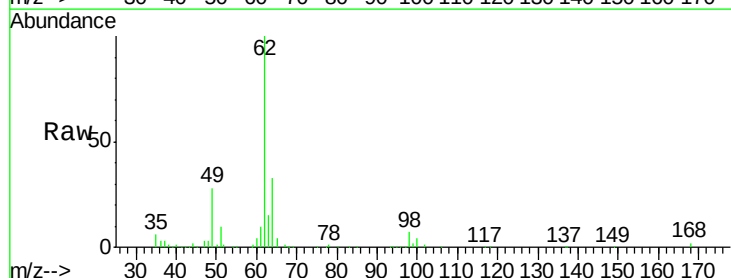
Acq: 7 Feb 2019 19:08

Tgt Ion: 62 Resp: 142591

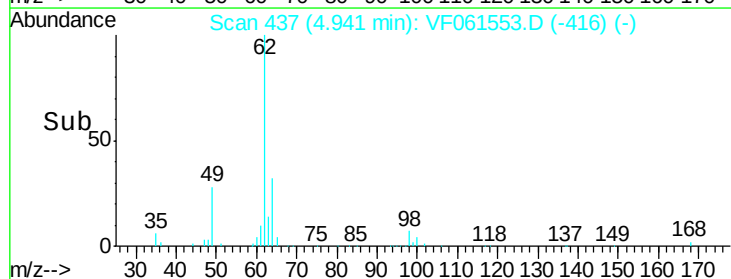
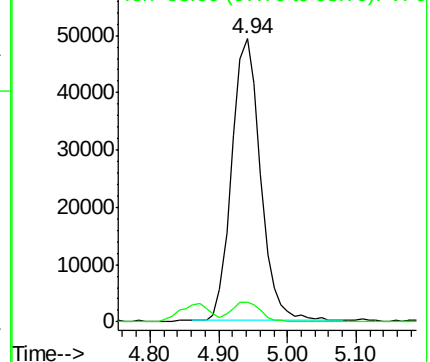
Ion Ratio Lower Upper

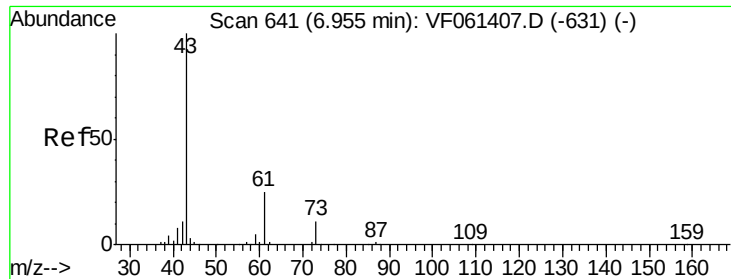
62 100

98 7.1 0.0 17.0



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 56.720 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.00 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :

MSVOA_F

ClientSampleId :

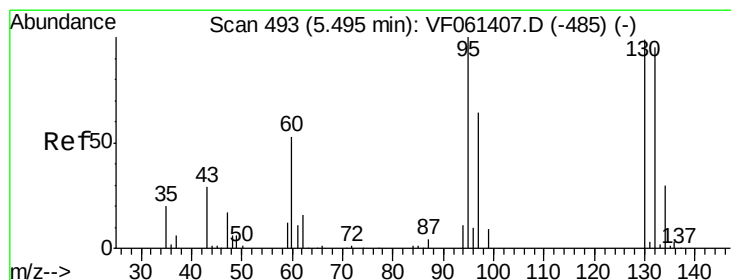
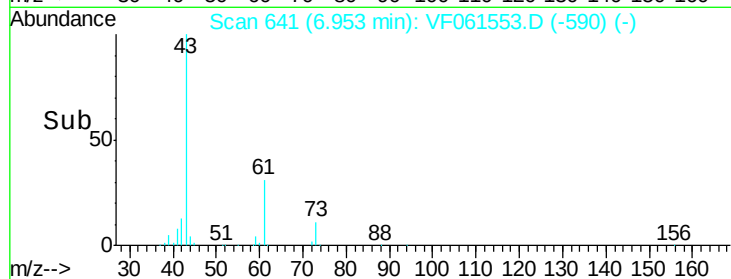
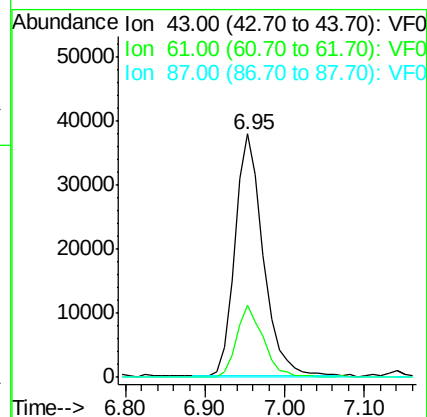
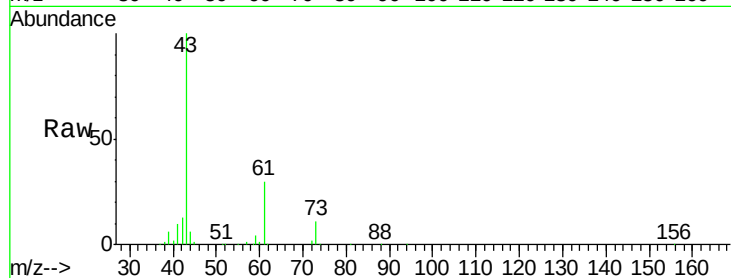
Tot Ion: 43 Resp: 92666

Ion Ratio Lower Upper

43 100

61 29.8 20.3 30.5

87 0.0 0.5 0.7#



#44

Trichloroethene

Concen: 49.896 ug/l

RT: 5.50 min Scan# 494

Delta R.T. 0.01 min

Lab File: VF061553.D

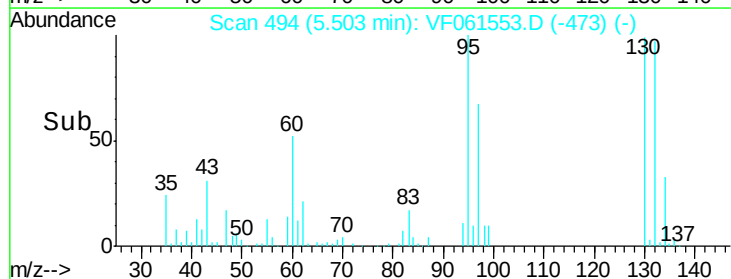
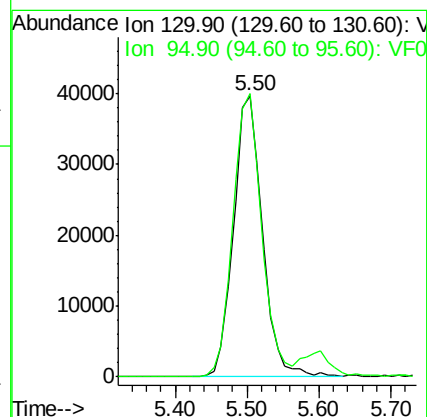
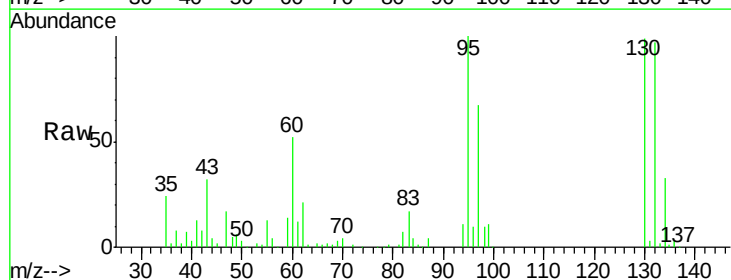
Acq: 7 Feb 2019 19:08

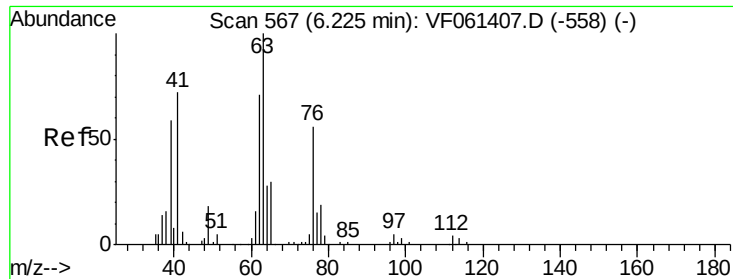
Tgt Ion:130 Resp: 110912

Ion Ratio Lower Upper

130 100

95 100.8 0.0 202.8





#45

1,2-Dichloropropane

Concen: 56.610 ug/l

RT: 6.23 min Scan# 568

Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

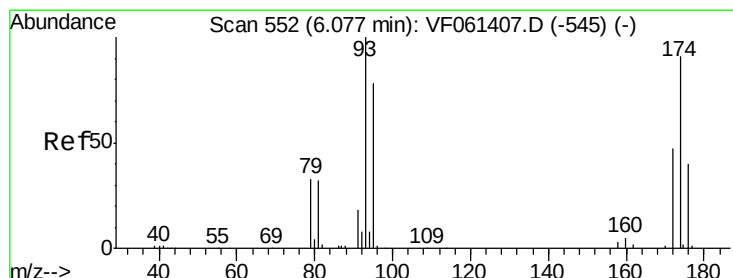
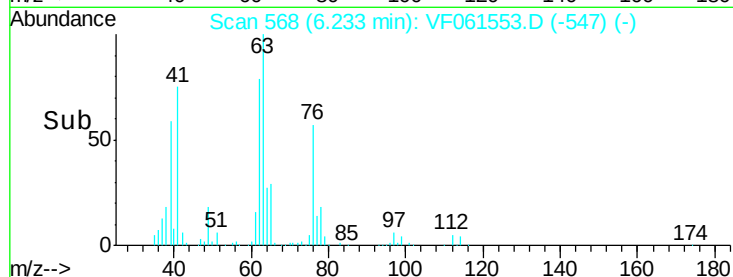
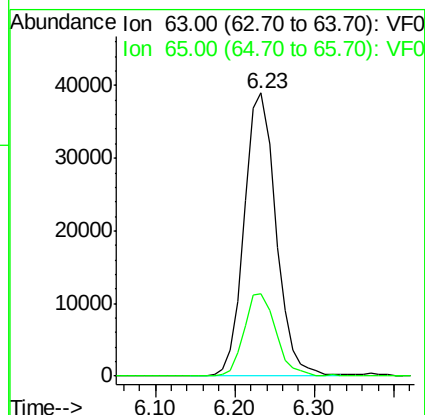
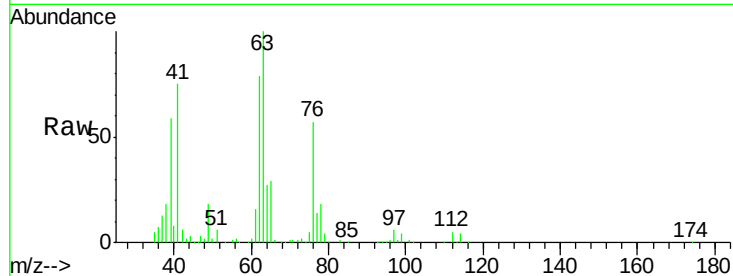
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 63 Resp: 107660

Ion Ratio Lower Upper

63 100

65 29.1 24.4 36.6



#46

Dibromomethane

Concen: 58.707 ug/l

RT: 6.09 min Scan# 553

Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

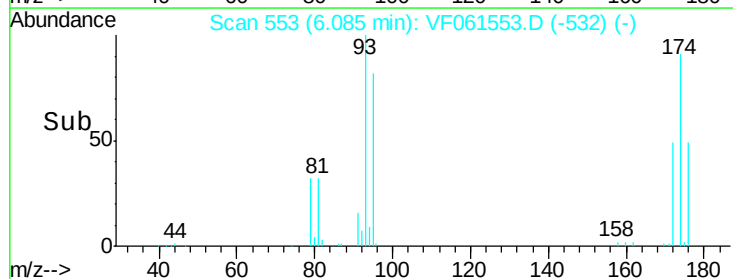
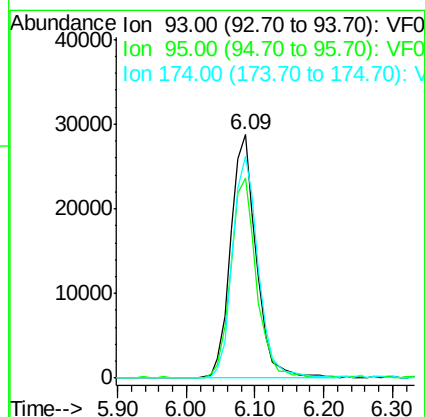
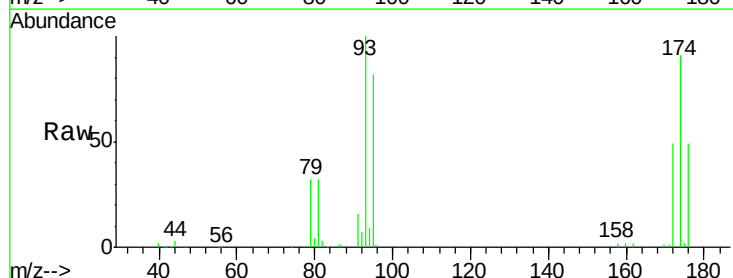
Tgt Ion: 93 Resp: 74239

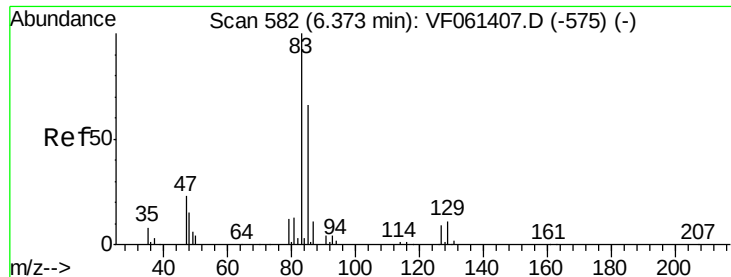
Ion Ratio Lower Upper

93 100

95 82.3 62.1 93.1

174 91.2 74.6 111.8





#47

Bromodichloromethane

Concen: 56.839 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :
MSVOA_F
ClientSampleId :

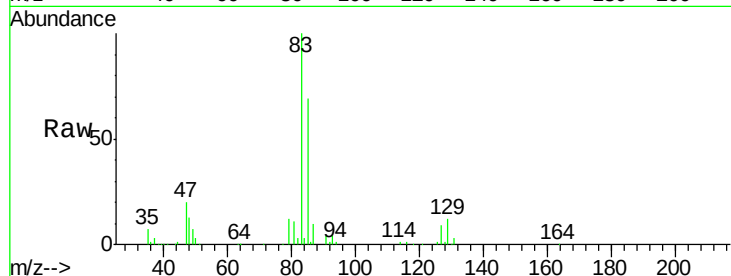
Tot Ion: 83 Resp: 177838

Ion Ratio Lower Upper

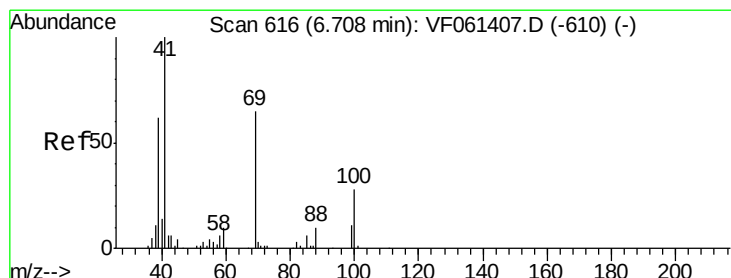
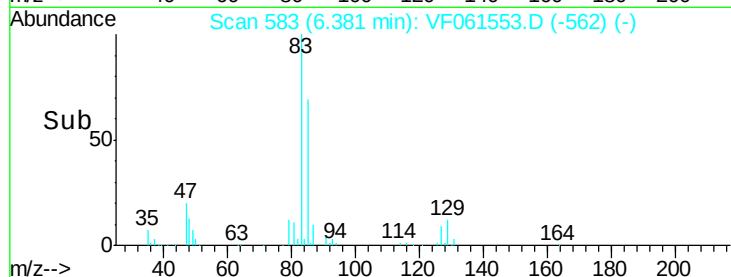
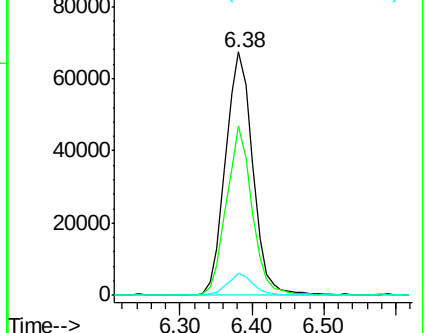
83 100

85 69.3 53.0 79.4

127 9.3 6.9 10.3



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: 63.798 ug/l

RT: 6.72 min Scan# 617

Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

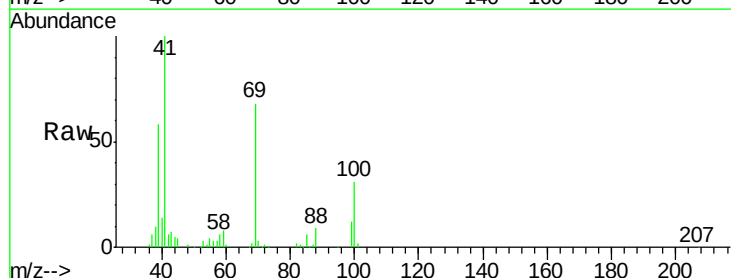
Tgt Ion: 41 Resp: 69991

Ion Ratio Lower Upper

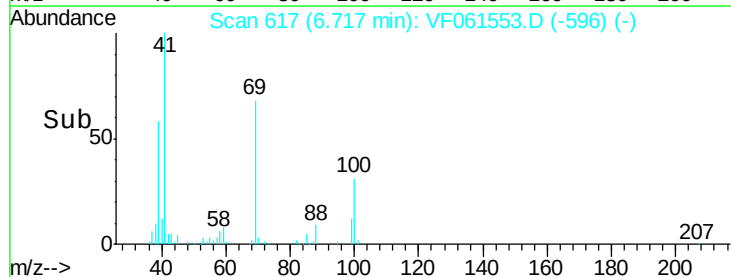
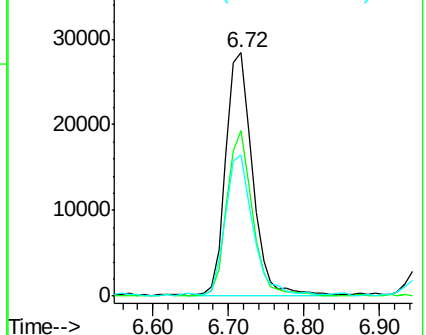
41 100

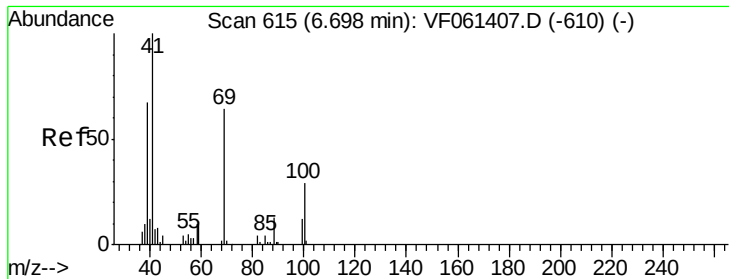
69 67.9 51.7 77.5

39 58.1 49.2 73.8



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: 1277.841 ug/l

RT: 6.70 min Scan# 615

Delta R.T. -0.00 min

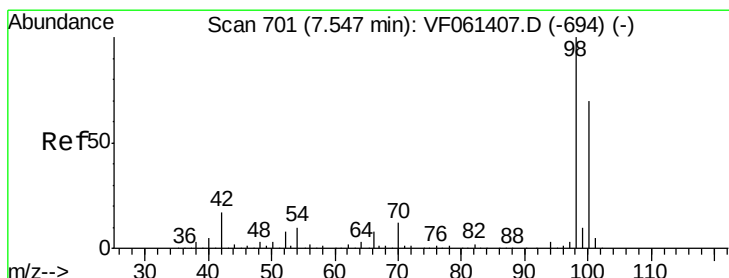
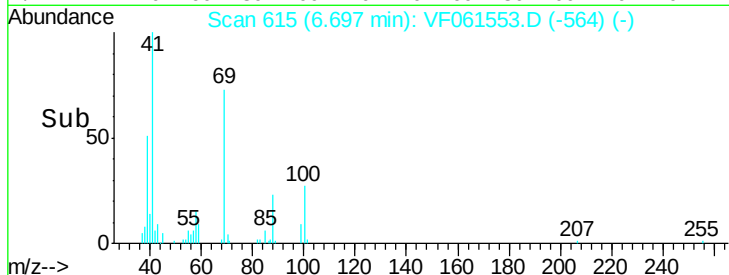
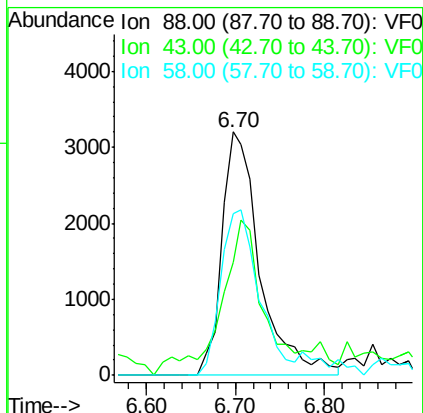
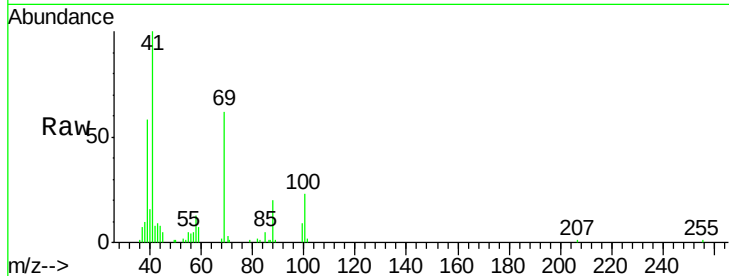
Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 88 Resp: 9638

Ion	Ratio	Lower	Upper
88	100		
43	46.3	55.5	83.3#
58	66.6	59.9	89.9



#50

Toluene-d8

Concen: 49.057 ug/l

RT: 7.55 min Scan# 701

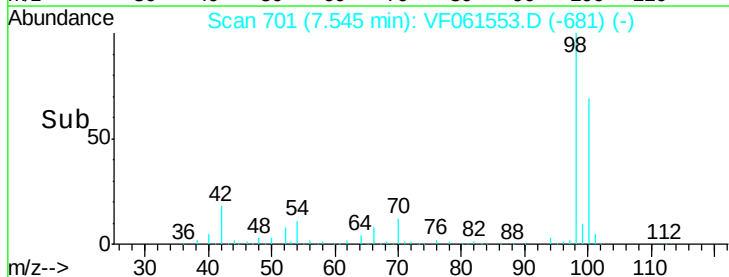
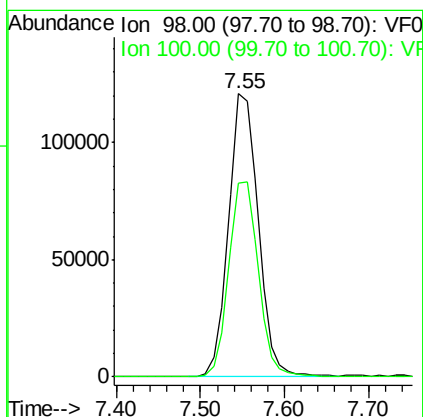
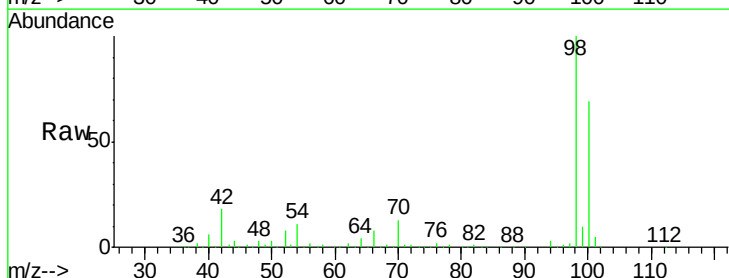
Delta R.T. -0.00 min

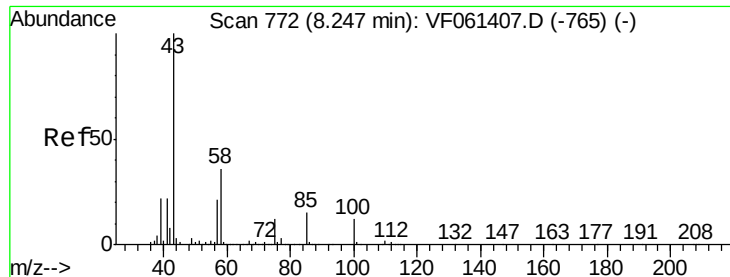
Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Tgt Ion: 98 Resp: 297879

Ion	Ratio	Lower	Upper
98	100		
100	68.6	55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 296.378 ug/l

RT: 8.26 min Scan# 773

Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :

MSVOA_F

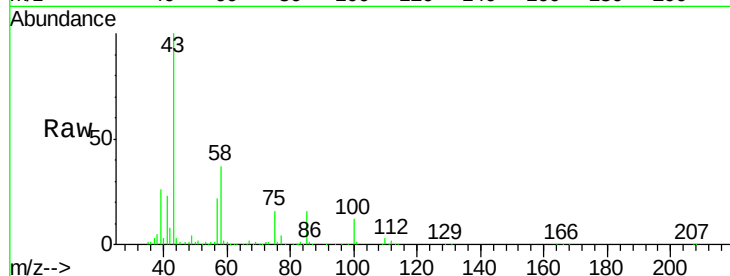
ClientSampleId :

Tot Ion: 43 Resp: 355969

Ion Ratio Lower Upper

43 100

58 36.8 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

150000

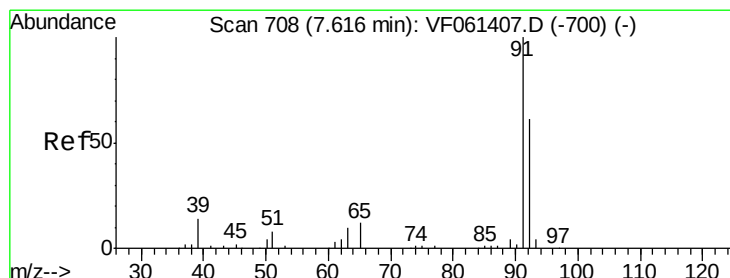
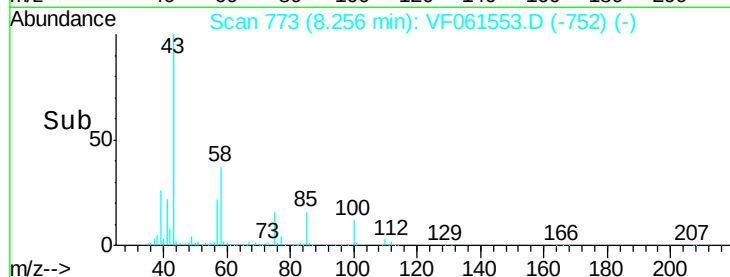
8.26

100000

50000

0

Time-->



#52

Toluene

Concen: 50.830 ug/l

RT: 7.62 min Scan# 709

Delta R.T. 0.01 min

Lab File: VF061553.D

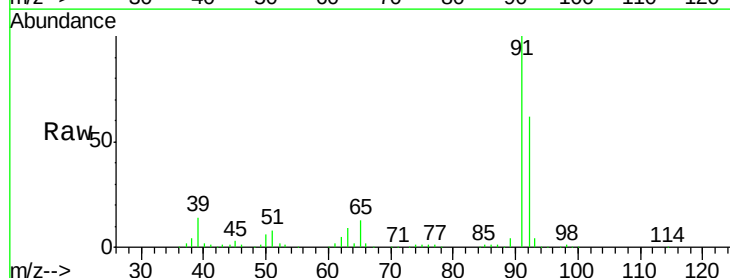
Acq: 7 Feb 2019 19:08

Tgt Ion: 92 Resp: 242555

Ion Ratio Lower Upper

92 100

91 162.0 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

150000

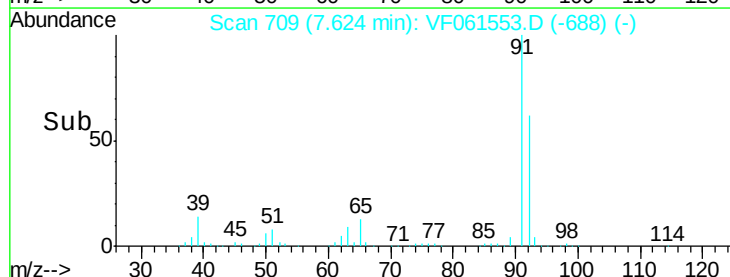
7.62

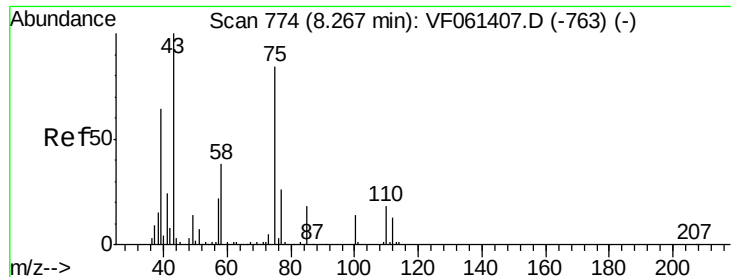
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 55.237 ug/l

RT: 8.28 min Scan# 775

Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

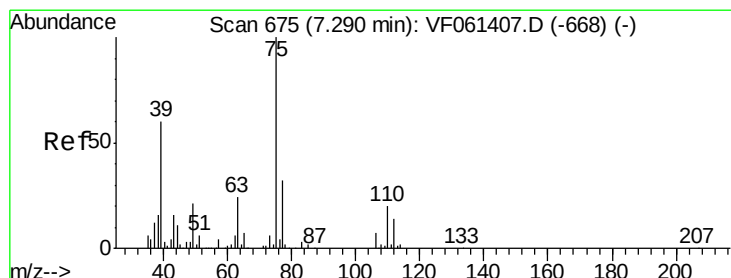
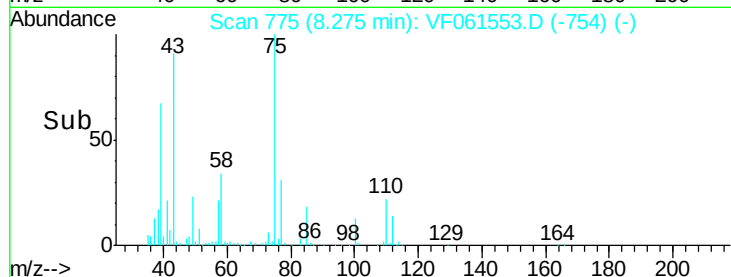
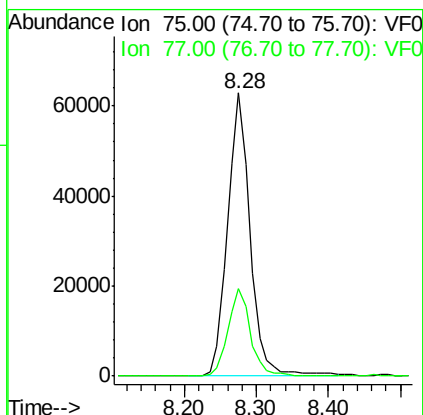
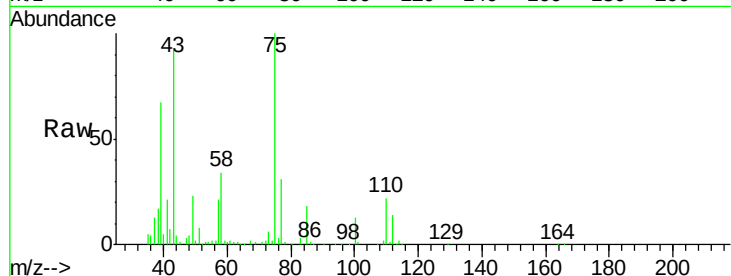
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 137233

Ion Ratio Lower Upper

75 100

77 30.8 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 57.106 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

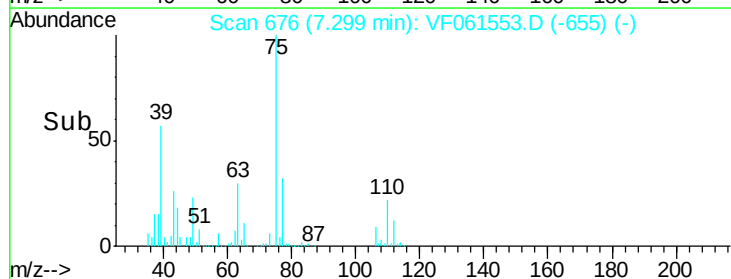
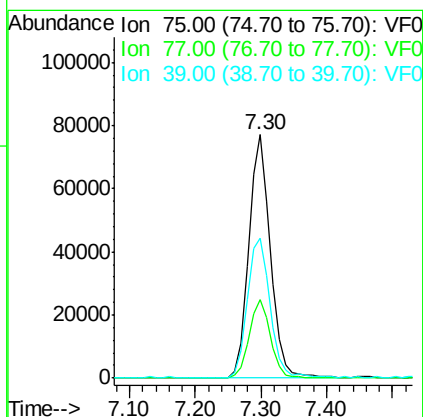
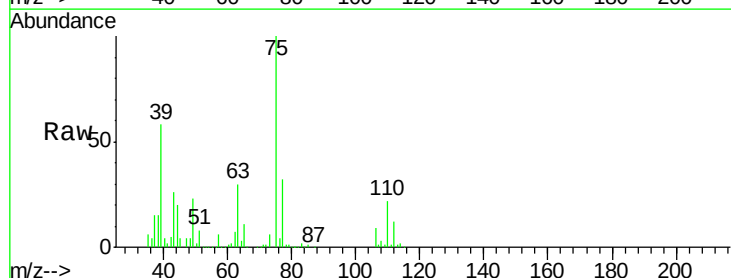
Tgt Ion: 75 Resp: 177343

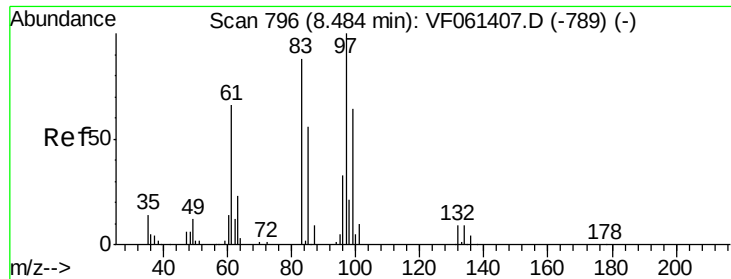
Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.0

39 57.5 47.8 71.8





#55

1,1,2-Trichloroethane

Concen: 61.645 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.00 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 97 Resp: 83534

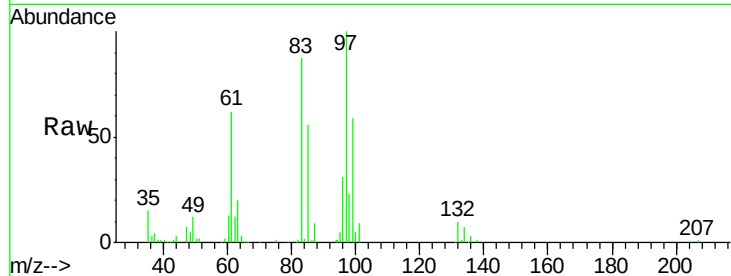
Ion	Ratio	Lower	Upper
97	100		
83	87.2	70.4	105.6
85	56.3	44.7	67.1
99	59.1	50.8	76.2

97 100

83 87.2 70.4 105.6

85 56.3 44.7 67.1

99 59.1 50.8 76.2

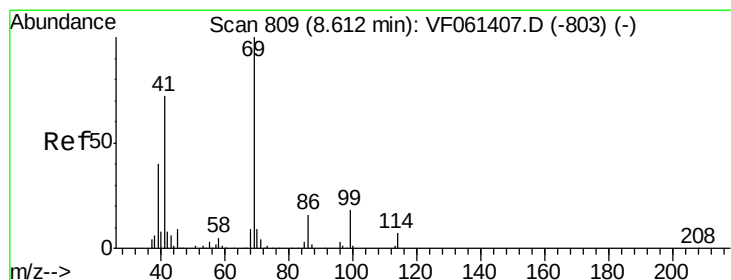
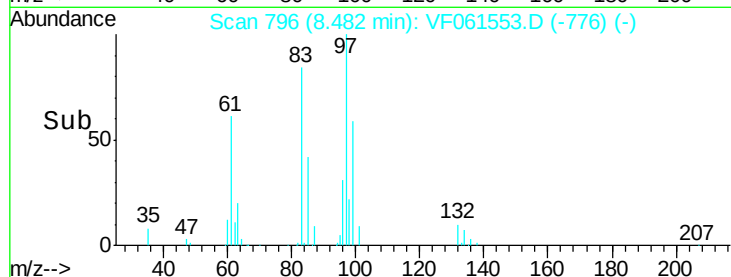
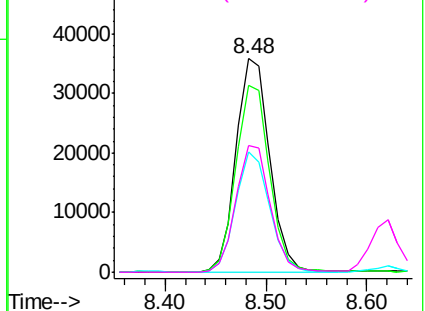


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 58.347 ug/l

RT: 8.62 min Scan# 810

Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

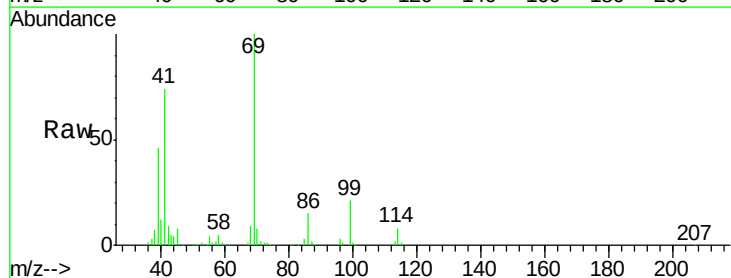
Tgt Ion: 69 Resp: 91986

Ion	Ratio	Lower	Upper
69	100		
41	74.3	57.5	86.3
39	46.3	32.0	48.0

69 100

41 74.3 57.5 86.3

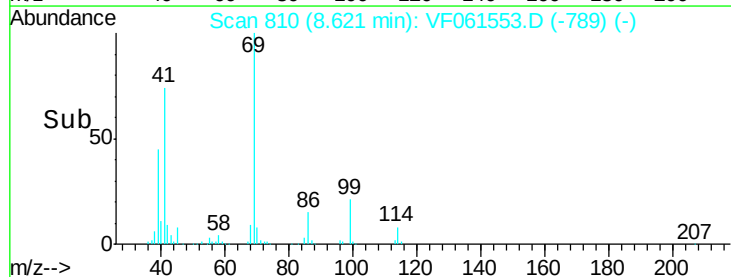
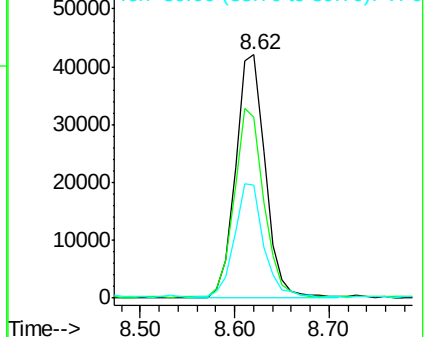
39 46.3 32.0 48.0

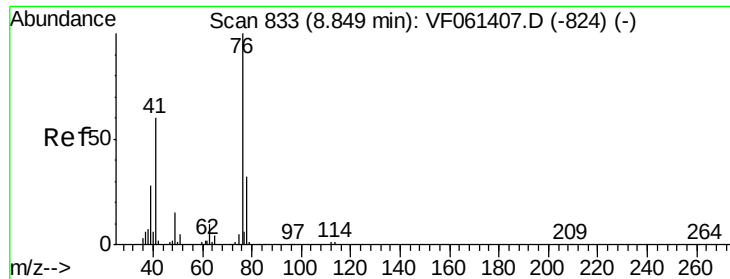


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

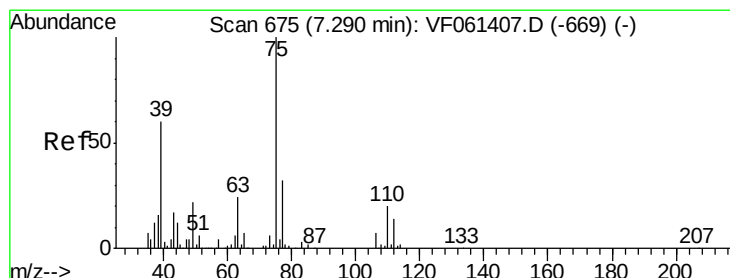
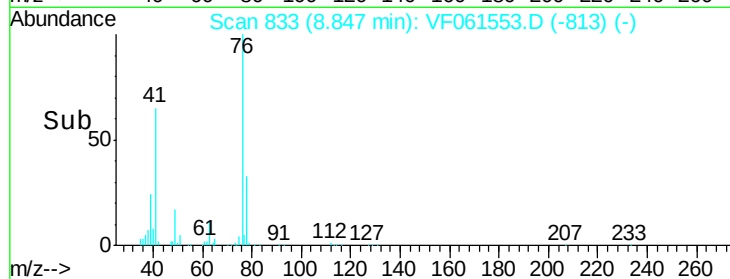
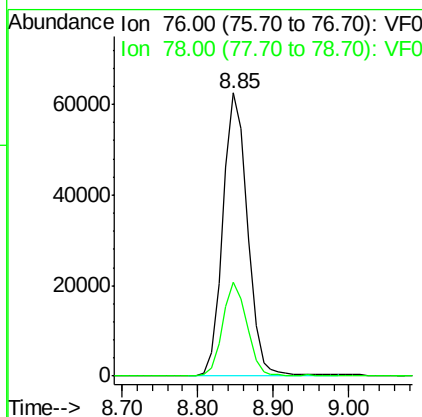
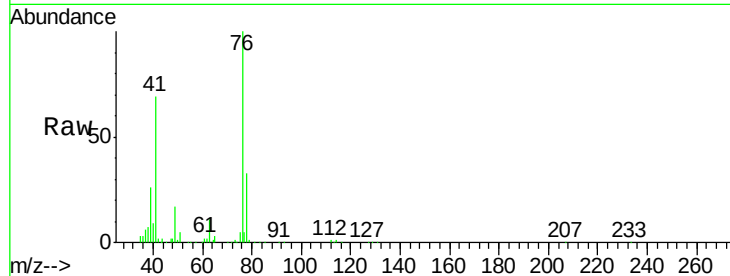




#57
 1,3-Dichloropropane
 Concen: 55.703 ug/l
 RT: 8.85 min Scan# 833
 Delta R.T. -0.00 min
 Lab File: VF061553.D
 Acq: 7 Feb 2019 19:08

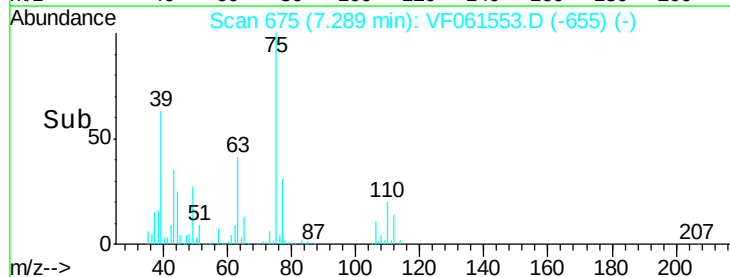
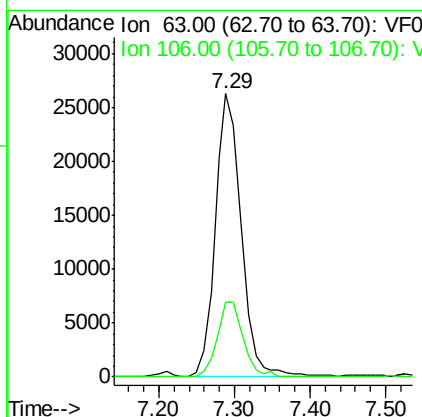
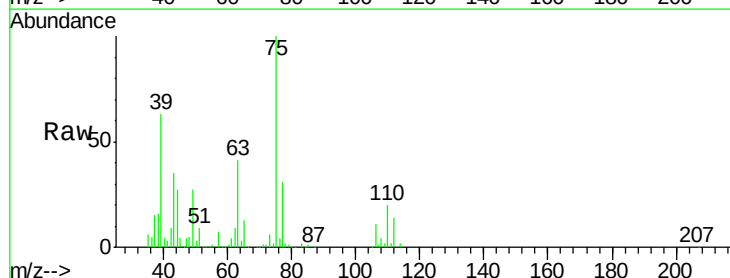
Instrument :
 MSVOA_F
 ClientSampleId :

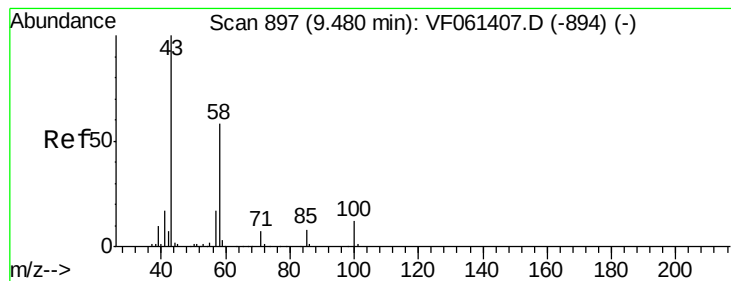
Tot Ion: 76 Resp: 141481
 Ion Ratio Lower Upper
 76 100
 78 33.2 25.3 37.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 365.979 ug/l
 RT: 7.29 min Scan# 675
 Delta R.T. -0.00 min
 Lab File: VF061553.D
 Acq: 7 Feb 2019 19:08

Tgt Ion: 63 Resp: 62875
 Ion Ratio Lower Upper
 63 100
 106 26.3 21.9 32.9





#59

2-Hexanone

Concen: 291.831 ug/l

RT: 9.49 min Scan# 898

Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

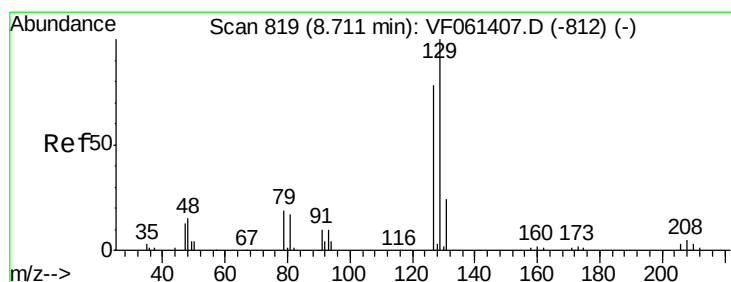
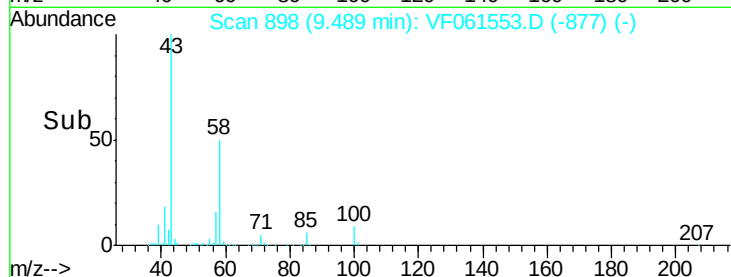
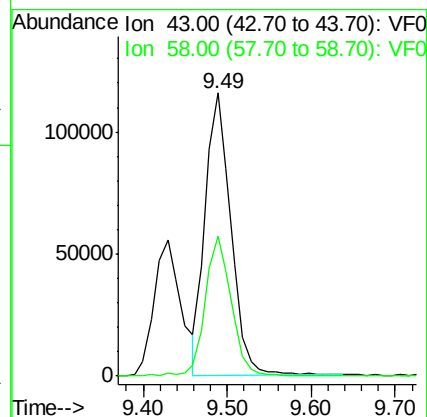
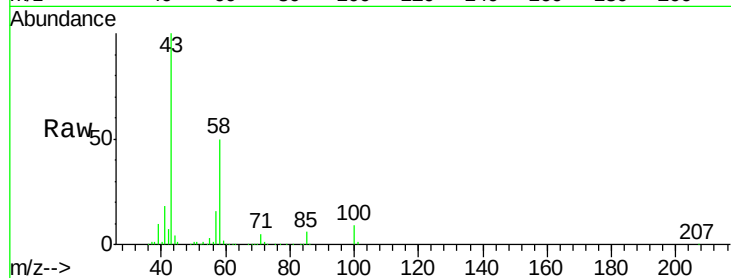
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 244416

Ion Ratio Lower Upper

43 100

58 49.7 25.9 77.6



#60

Dibromochloromethane

Concen: 59.692 ug/l

RT: 8.71 min Scan# 819

Delta R.T. -0.00 min

Lab File: VF061553.D

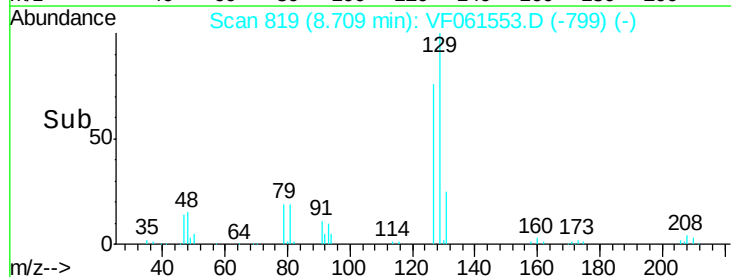
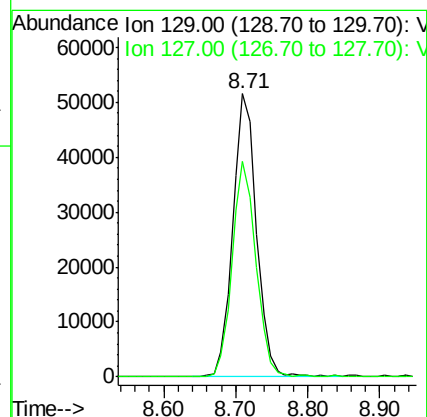
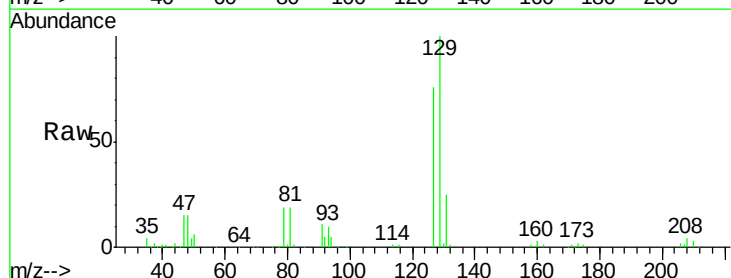
Acq: 7 Feb 2019 19:08

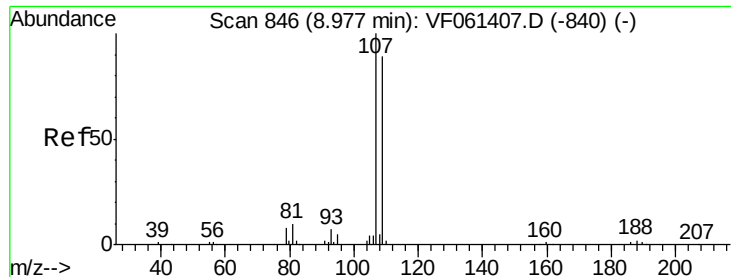
Tgt Ion:129 Resp: 118254

Ion Ratio Lower Upper

129 100

127 75.9 39.1 117.2





#61

1,2-Dibromoethane

Concen: 56.343 ug/l

RT: 8.99 min Scan# 847

Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :

MSVOA_F

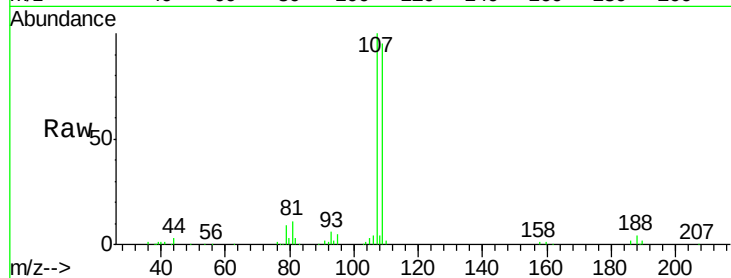
ClientSampleId :

Tot Ion:107 Resp: 87404

Ion Ratio Lower Upper

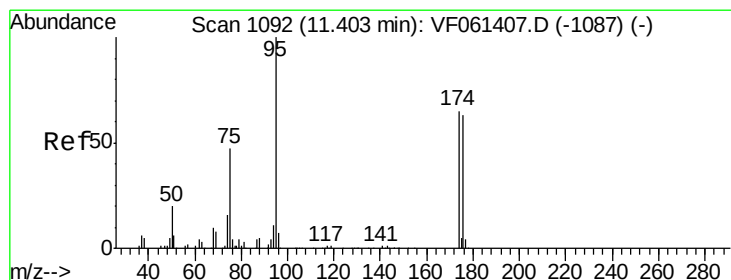
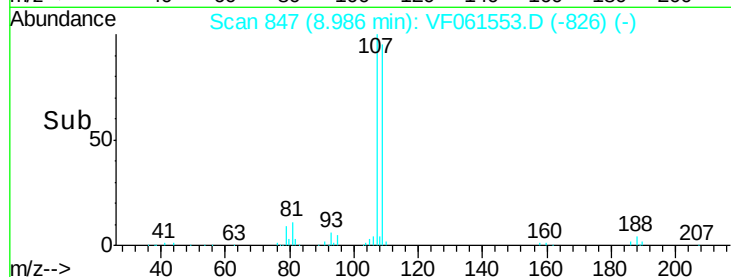
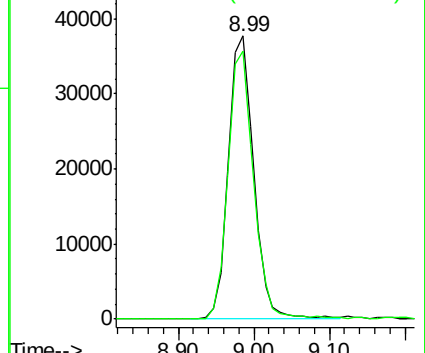
107 100

109 94.8 70.8 106.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 46.764 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

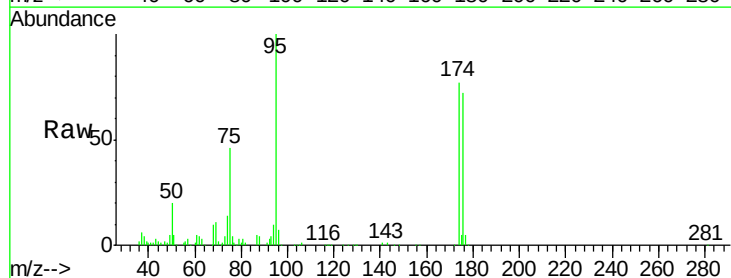
Tgt Ion: 95 Resp: 132673

Ion Ratio Lower Upper

95 100

174 76.7 0.0 130.4

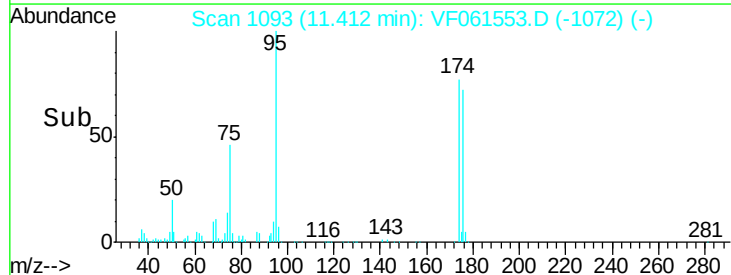
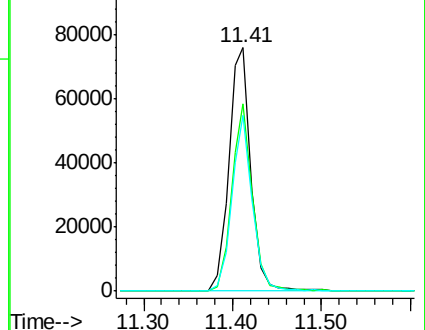
176 72.2 0.0 126.2

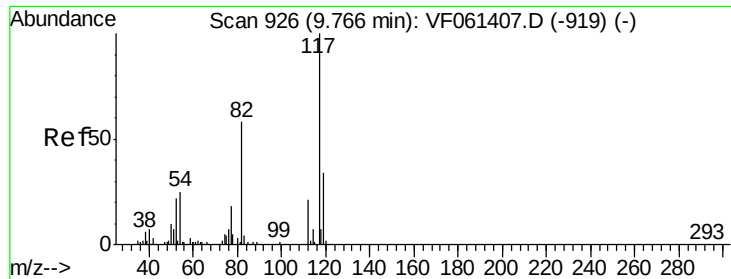


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

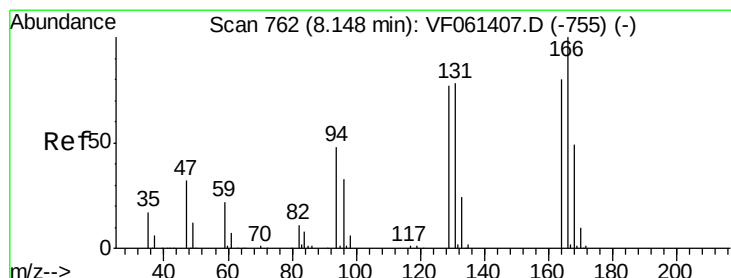
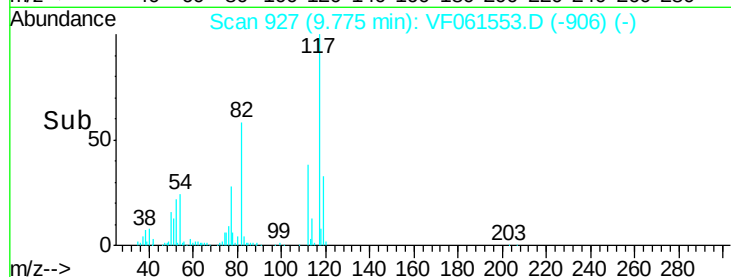
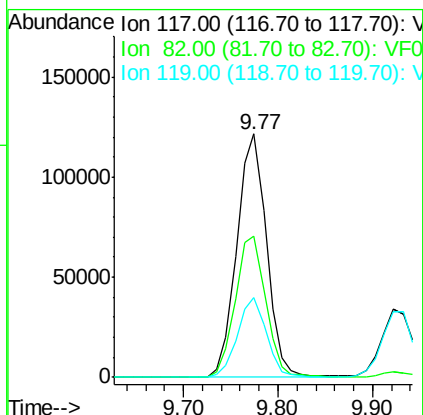
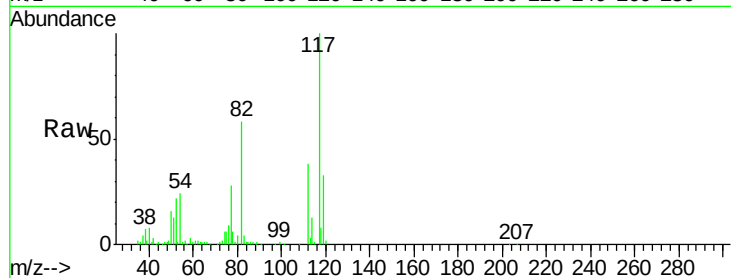




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. 0.01 min
Lab File: VF061553.D
Acq: 7 Feb 2019 19:08

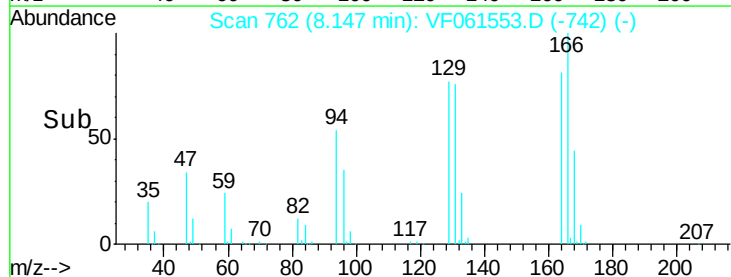
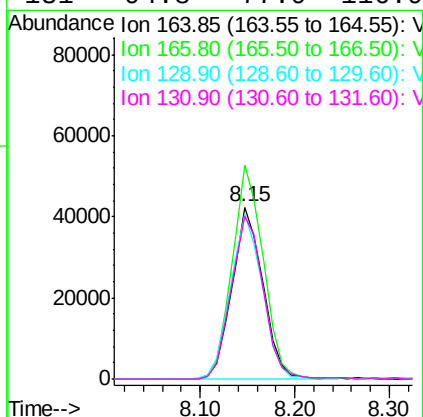
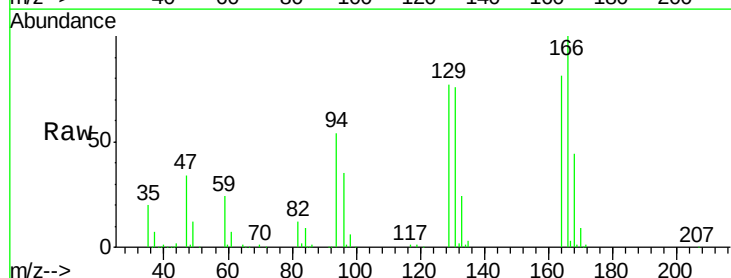
Instrument :
MSVOA_F
ClientSampleId :

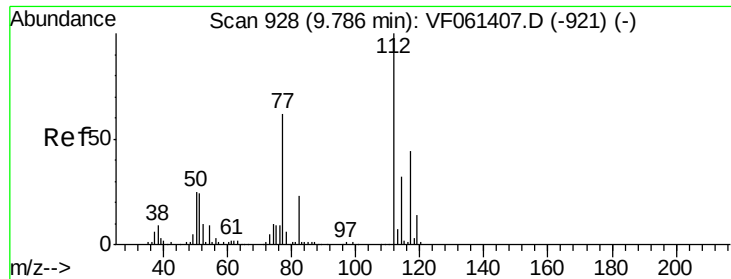
Tot Ion:117 Resp: 265708
Ion Ratio Lower Upper
117 100
82 57.9 46.4 69.6
119 32.6 27.2 40.8



#64
Tetrachloroethene
Concen: 48.032 ug/l
RT: 8.15 min Scan# 762
Delta R.T. -0.00 min
Lab File: VF061553.D
Acq: 7 Feb 2019 19:08

Tgt Ion:164 Resp: 95975
Ion Ratio Lower Upper
164 100
166 124.1 99.6 149.4
129 95.6 76.4 114.6
131 94.8 77.9 116.9

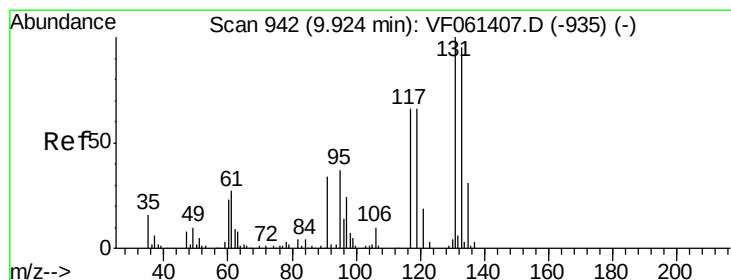
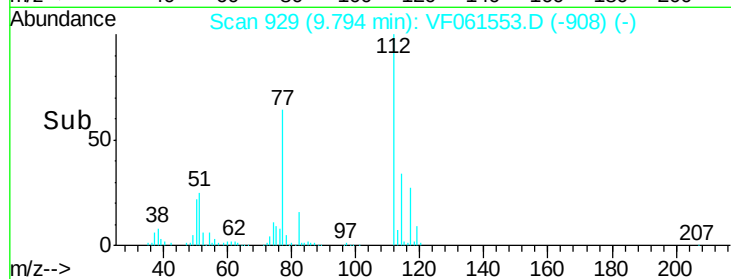
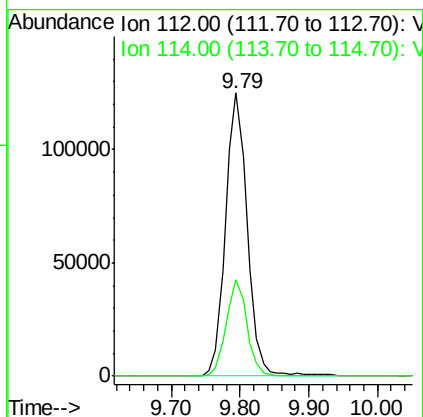
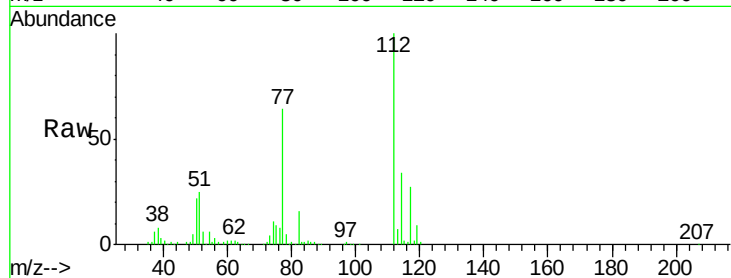




#65
Chlorobenzene
Concen: 50.598 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.01 min
Lab File: VF061553.D
Acq: 7 Feb 2019 19:08

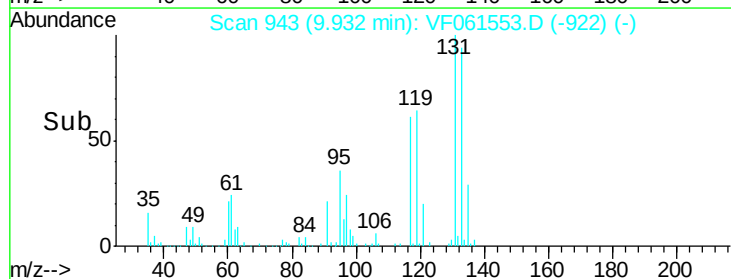
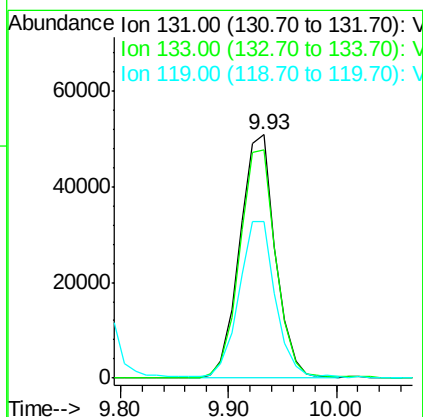
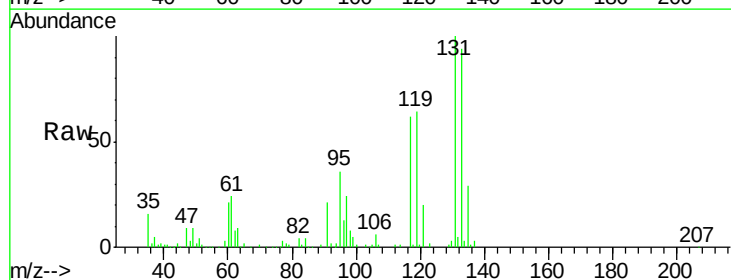
Instrument :
MSVOA_F
ClientSampleId :

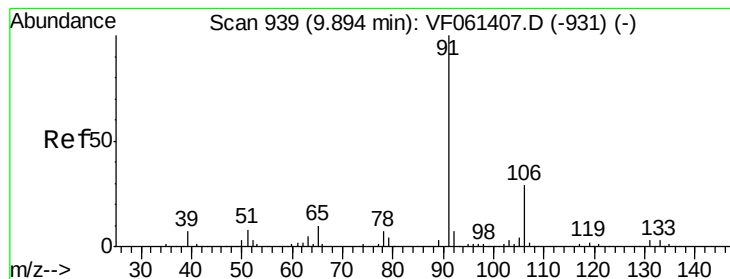
Tot Ion:112 Resp: 273399
Ion Ratio Lower Upper
112 100
114 34.2 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 54.063 ug/l
RT: 9.93 min Scan# 943
Delta R.T. 0.01 min
Lab File: VF061553.D
Acq: 7 Feb 2019 19:08

Tgt Ion:131 Resp: 116372
Ion Ratio Lower Upper
131 100
133 93.7 47.4 142.2
119 64.2 33.1 99.3





#67

Ethyl Benzene

Concen: 50.093 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.00 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

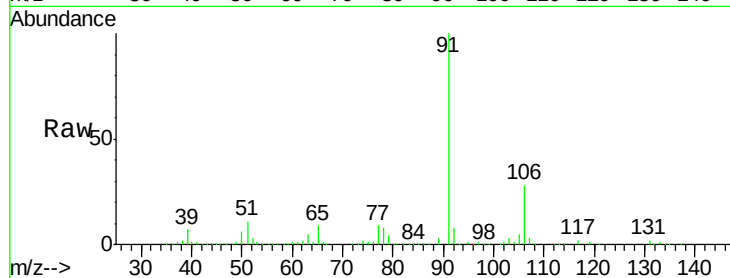
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 91 Resp: 494528

Ion Ratio Lower Upper

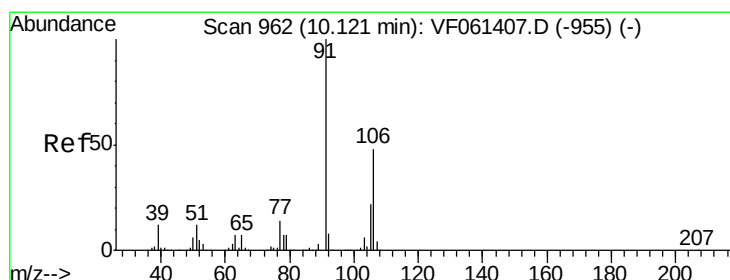
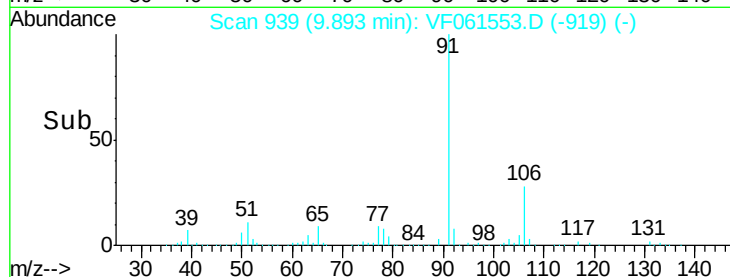
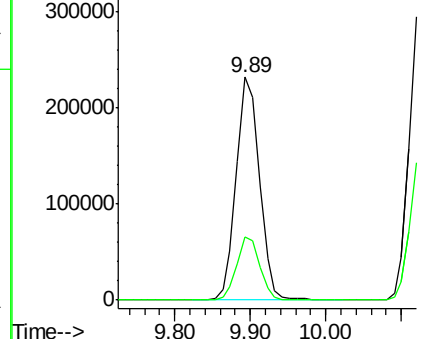
91 100

106 28.2 23.1 34.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 92.733 ug/l

RT: 10.13 min Scan# 963

Delta R.T. 0.01 min

Lab File: VF061553.D

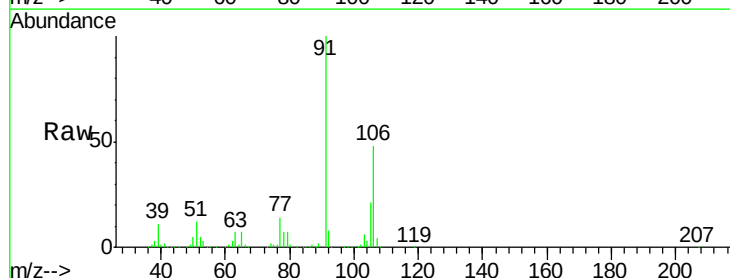
Acq: 7 Feb 2019 19:08

Tgt Ion: 106 Resp: 329268

Ion Ratio Lower Upper

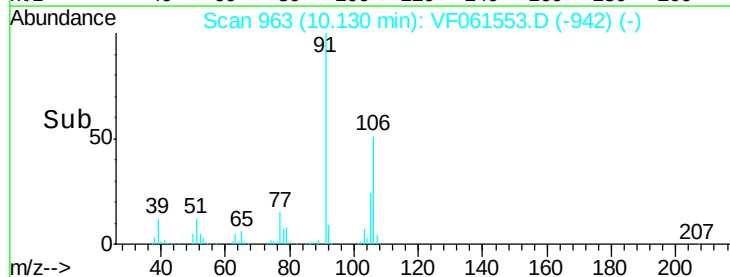
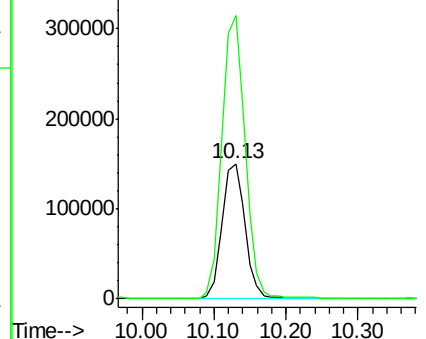
106 100

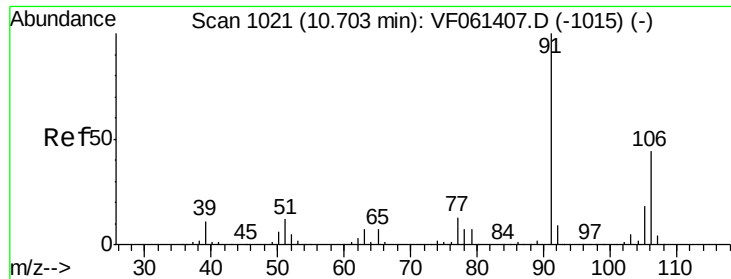
91 209.4 166.2 249.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

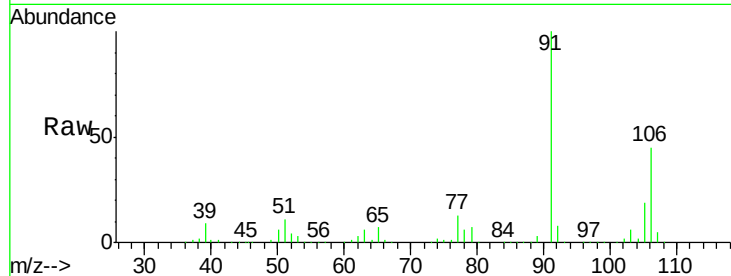




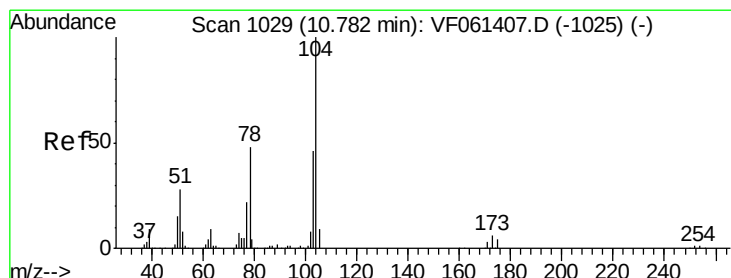
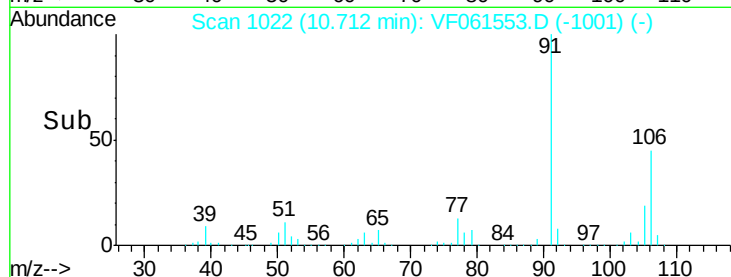
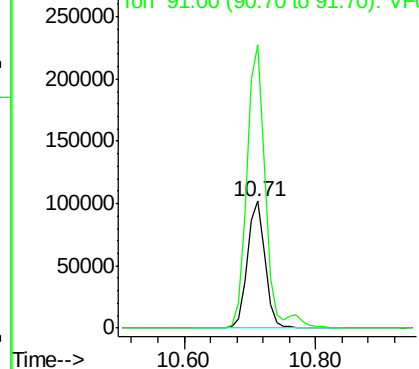
#69
o-Xylene
Concen: 50.471 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VF061553.D
Acq: 7 Feb 2019 19:08

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:106 Resp: 194229
Ion Ratio Lower Upper
106 100
91 222.6 113.3 339.8

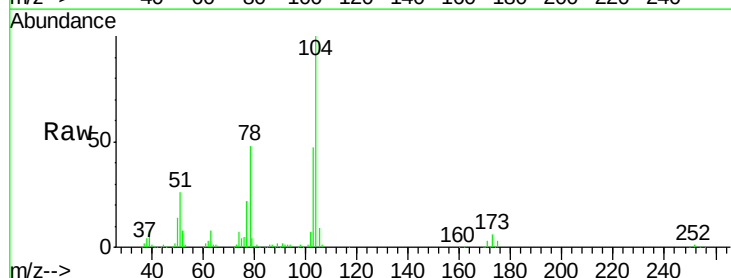


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

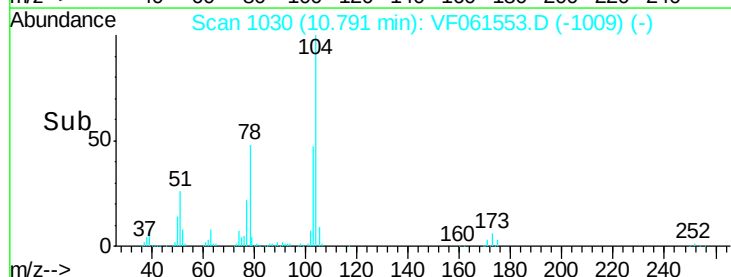
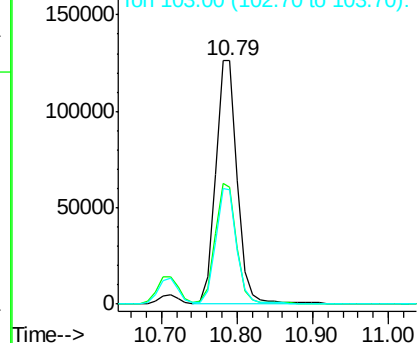


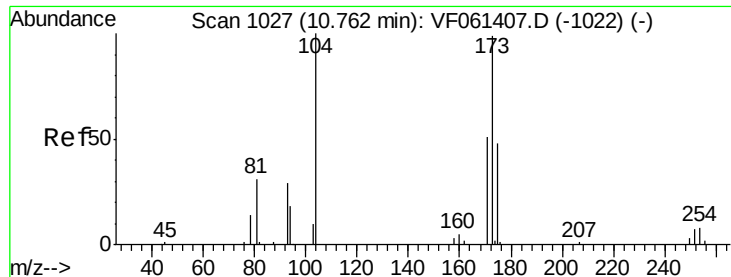
#70
Styrene
Concen: 48.221 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VF061553.D
Acq: 7 Feb 2019 19:08

Tgt Ion:104 Resp: 254015
Ion Ratio Lower Upper
104 100
78 48.2 38.8 58.2
103 47.2 37.0 55.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 63.618 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :

MSVOA_F

ClientSampled :

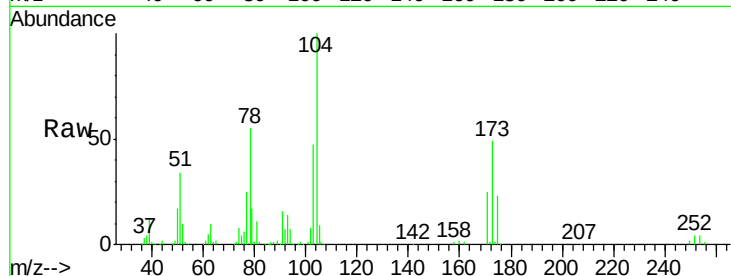
Tot Ion:173 Resp: 61528

Ion Ratio Lower Upper

173 100

175 48.1 24.1 72.4

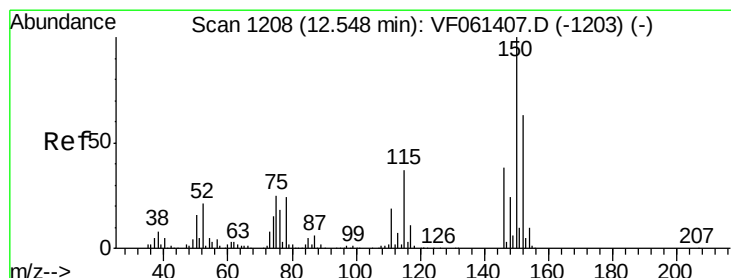
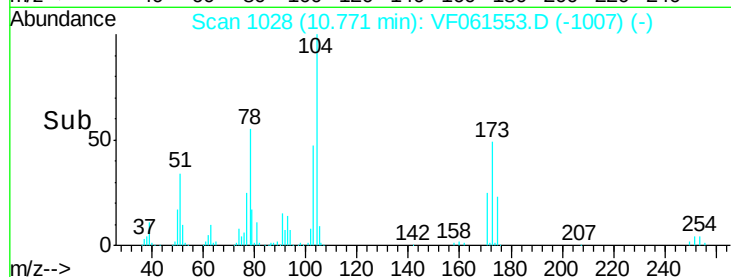
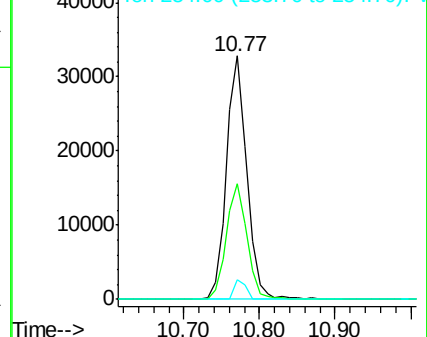
254 8.1 0.0 0.0#



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: 12.55 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

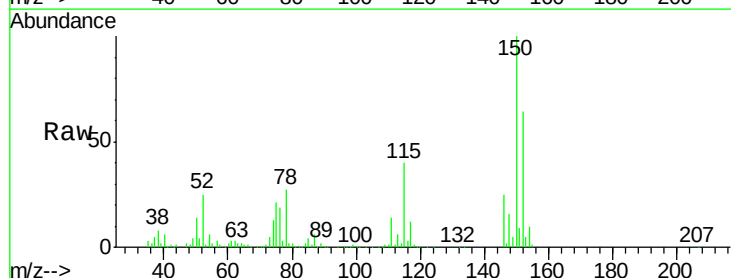
Tgt Ion:152 Resp: 130728

Ion Ratio Lower Upper

152 100

115 63.1 30.0 90.0

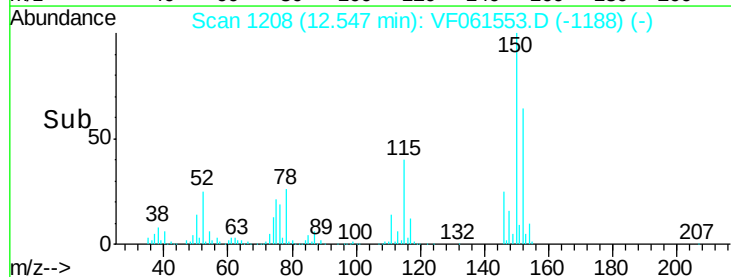
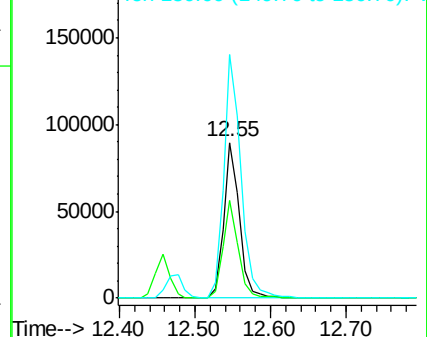
150 156.8 0.0 321.4

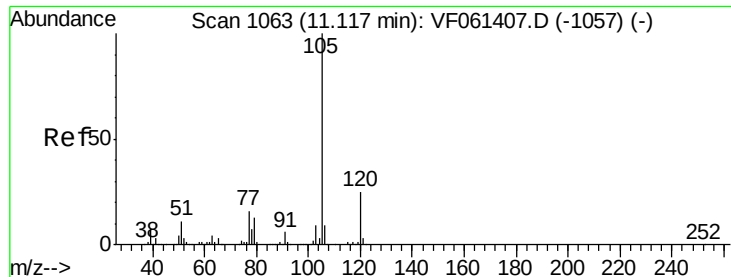


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 51.234 ug/l

RT: 11.12 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :

MSVOA_F

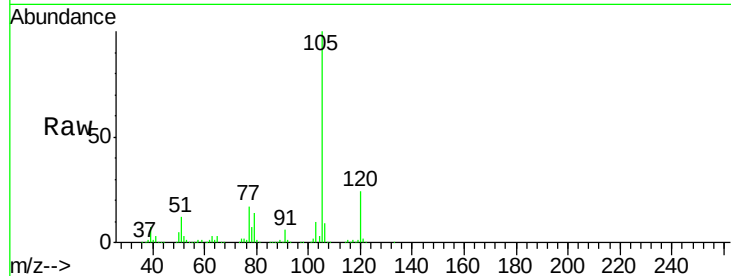
ClientSampleId :

Tot Ion:105 Resp: 544738

Ion Ratio Lower Upper

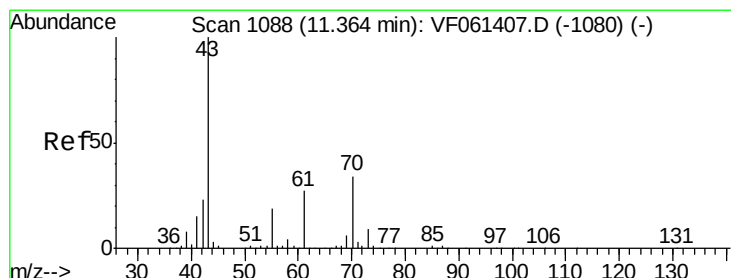
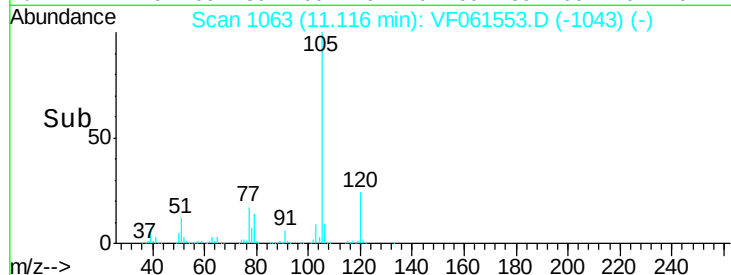
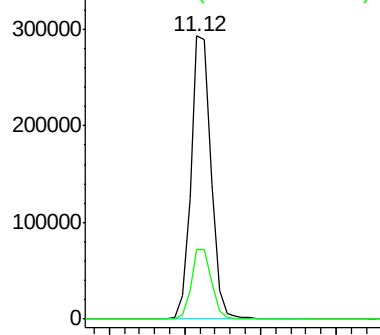
105 100

120 24.5 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 60.672 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Tgt Ion: 43 Resp: 152539

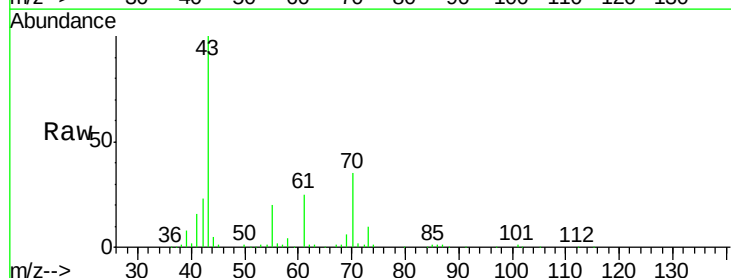
Ion Ratio Lower Upper

43 100

70 34.6 27.6 41.4

55 19.9 15.4 23.2

61 24.9 21.8 32.6

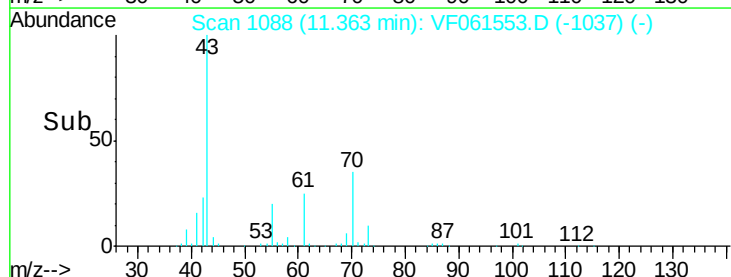
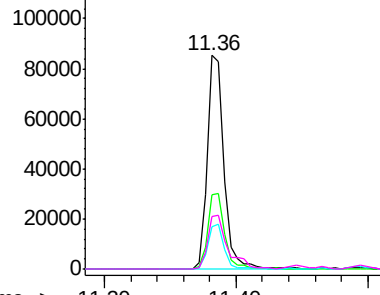


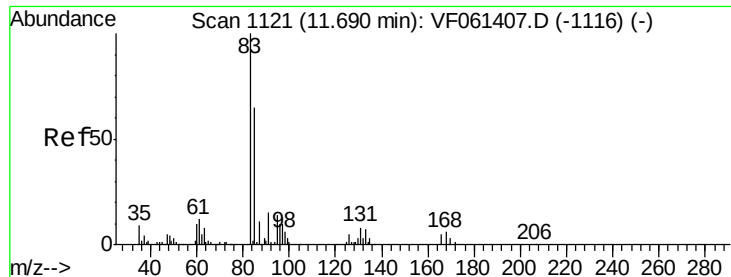
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 56.658 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :

MSVOA_F

ClientSampleId :

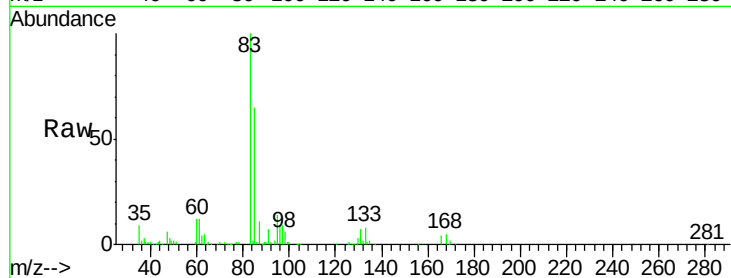
Tot Ion: 83 Resp: 107318

Ion Ratio Lower Upper

83 100

131 6.7 4.0 12.2

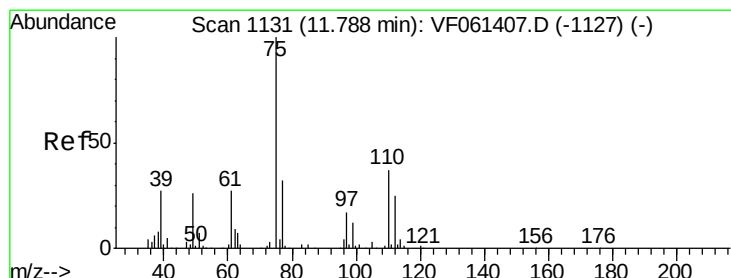
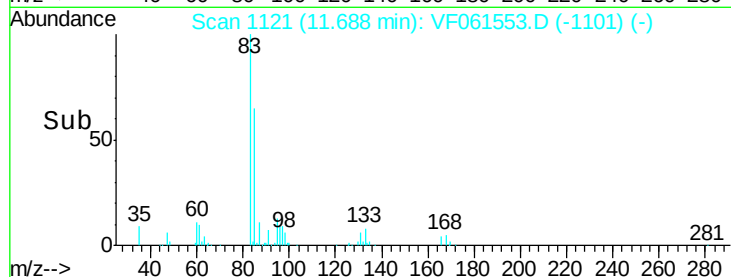
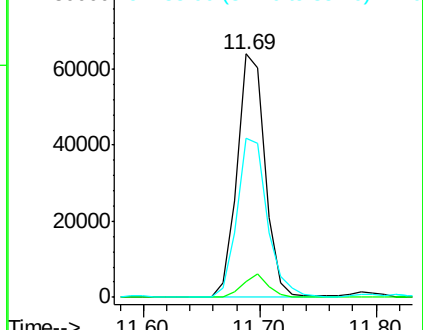
85 65.2 32.7 98.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 57.356 ug/l

RT: 11.79 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF061553.D

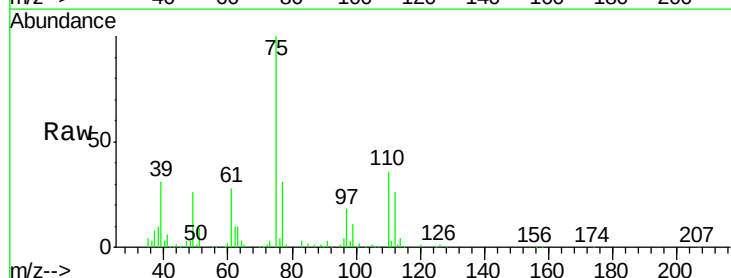
Acq: 7 Feb 2019 19:08

Tgt Ion: 75 Resp: 78063

Ion Ratio Lower Upper

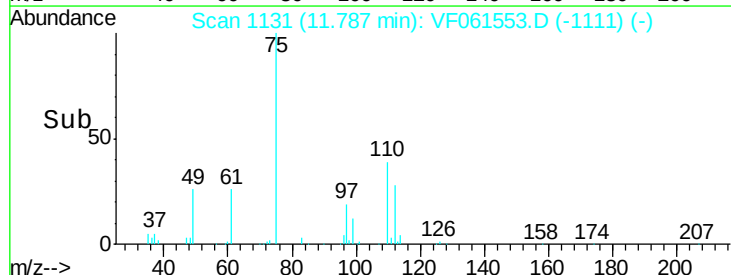
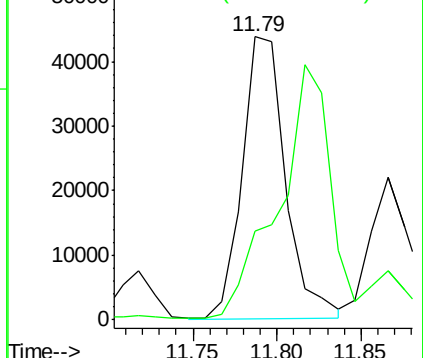
75 100

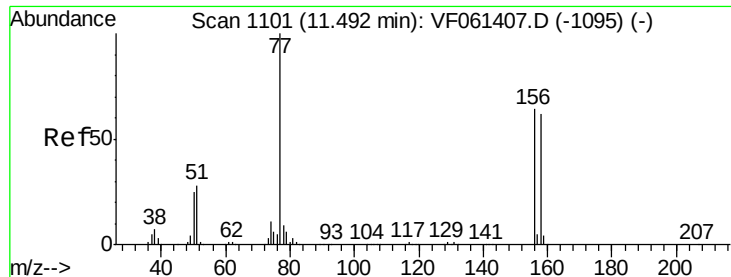
77 31.5 16.1 48.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 55.464 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :

MSVOA_F

ClientSampleId :

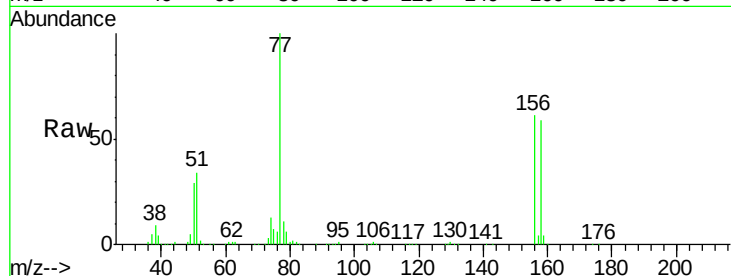
Tot Ion:156 Resp: 124543

Ion Ratio Lower Upper

156 100

77 163.4 78.3 234.9

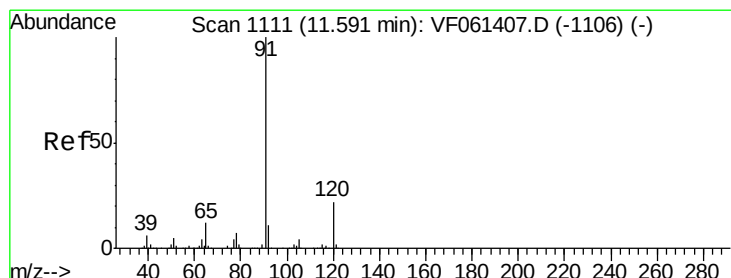
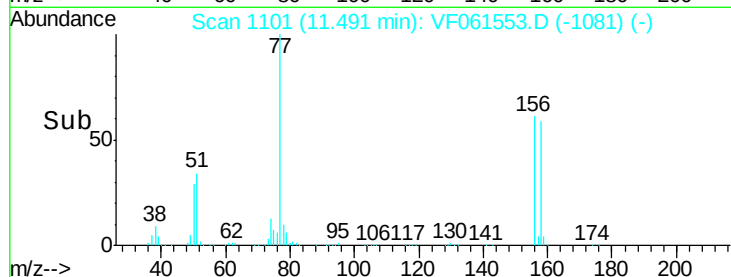
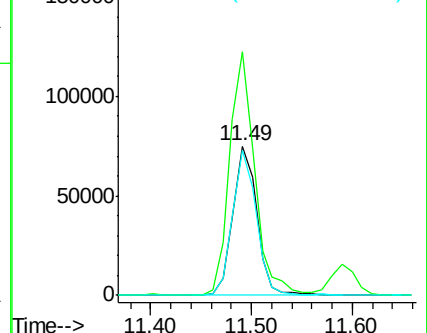
158 96.9 48.9 146.7



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 45.810 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VF061553.D

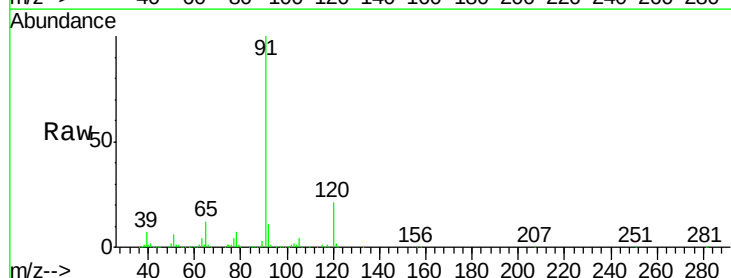
Acq: 7 Feb 2019 19:08

Tgt Ion: 91 Resp: 599372

Ion Ratio Lower Upper

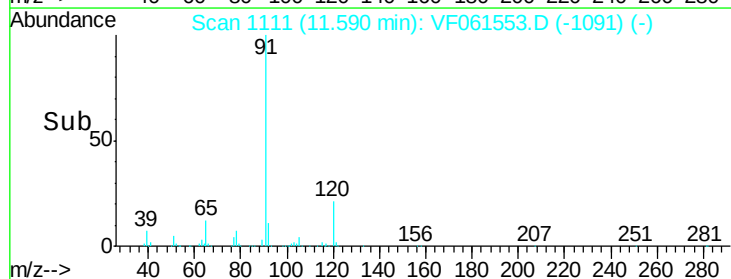
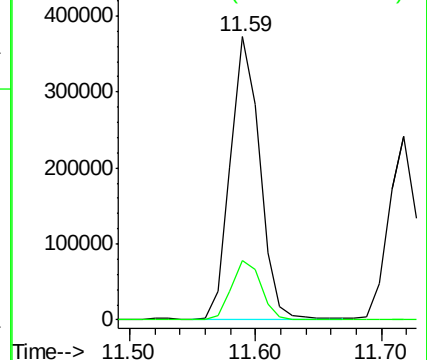
91 100

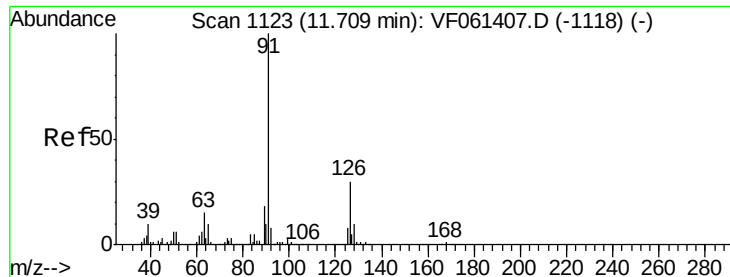
120 21.0 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.834 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :

MSVOA_F

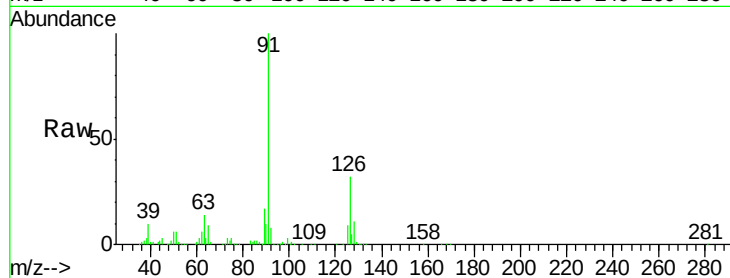
ClientSampled :

Tot Ion: 91 Resp: 375009

Ion Ratio Lower Upper

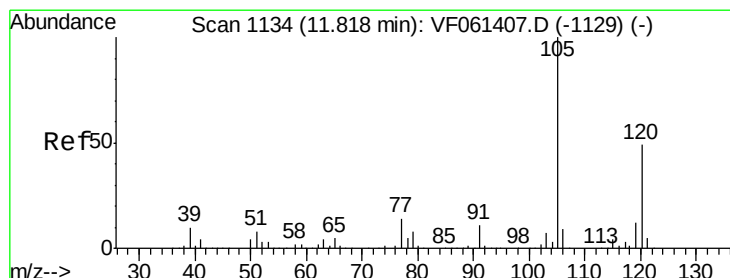
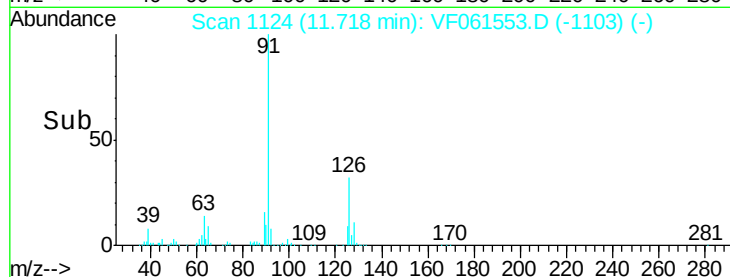
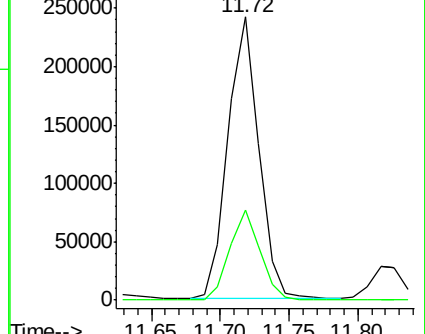
91 100

126 31.7 15.0 45.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 50.941 ug/l

RT: 11.83 min Scan# 1135

Delta R.T. 0.01 min

Lab File: VF061553.D

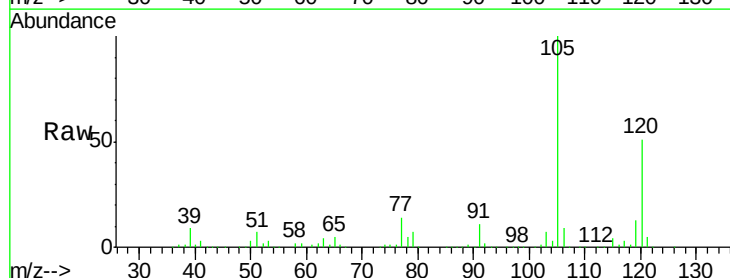
Acq: 7 Feb 2019 19:08

Tgt Ion:105 Resp: 437093

Ion Ratio Lower Upper

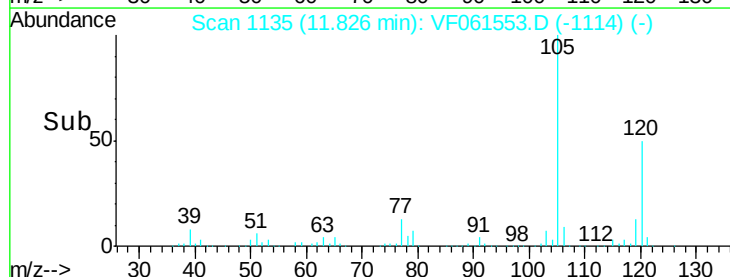
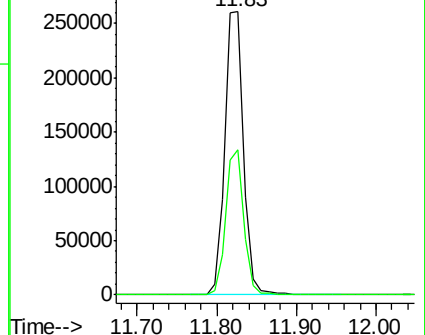
105 100

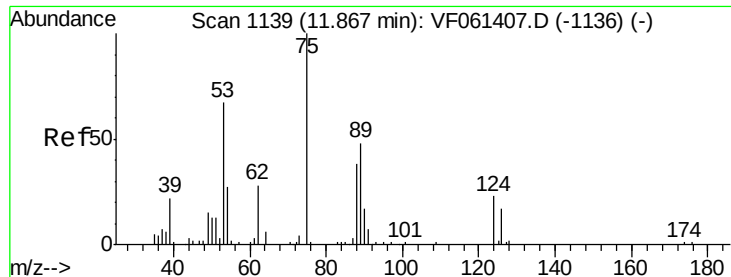
120 51.5 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 79.580 ug/l

RT: 11.87 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :

MSVOA_F

ClientSampled :

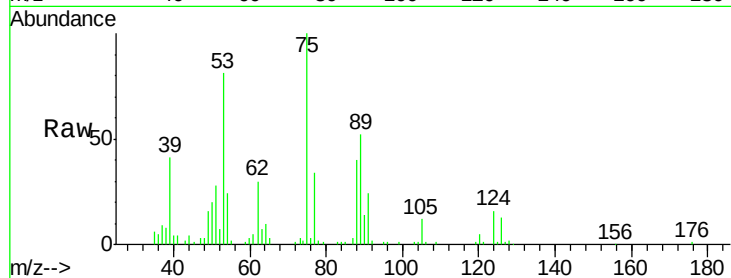
Tot Ion: 75 Resp: 47083

Ion Ratio Lower Upper

75 100

53 80.6 57.8 86.6

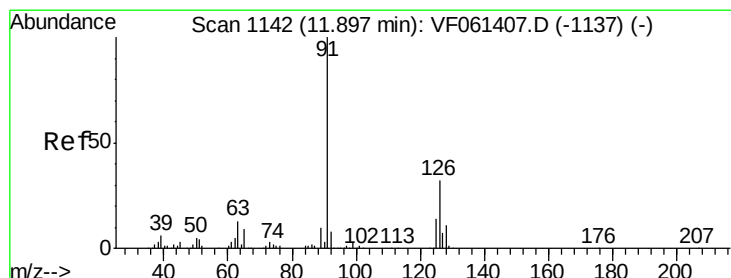
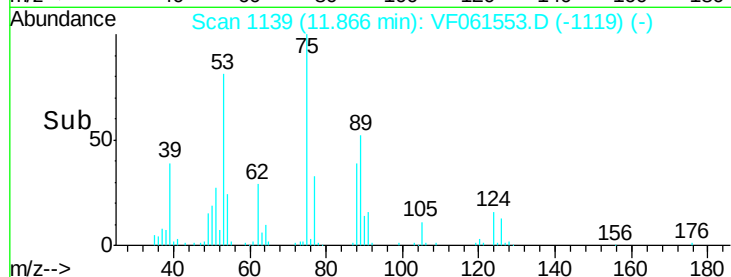
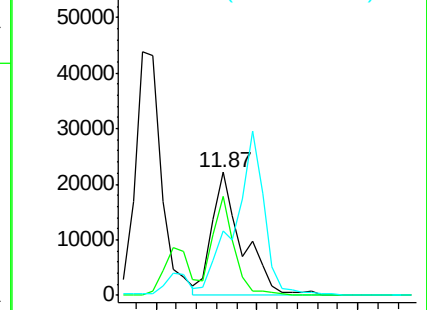
89 52.2 40.7 61.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 50.110 ug/l

RT: 11.90 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF061553.D

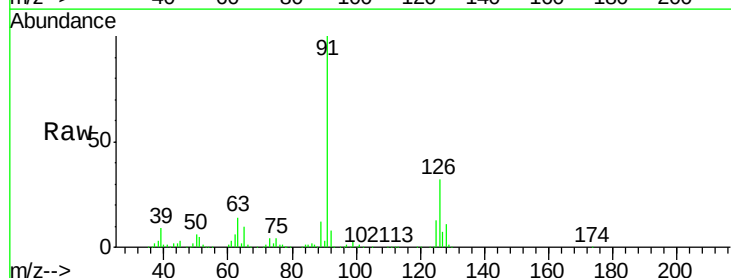
Acq: 7 Feb 2019 19:08

Tgt Ion: 91 Resp: 373034

Ion Ratio Lower Upper

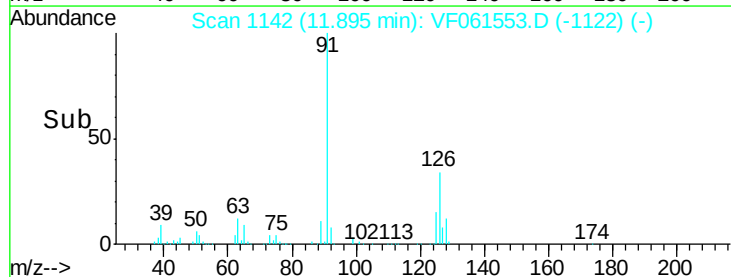
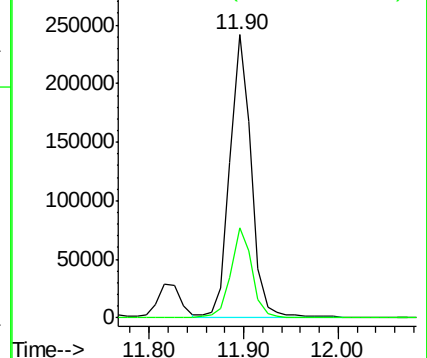
91 100

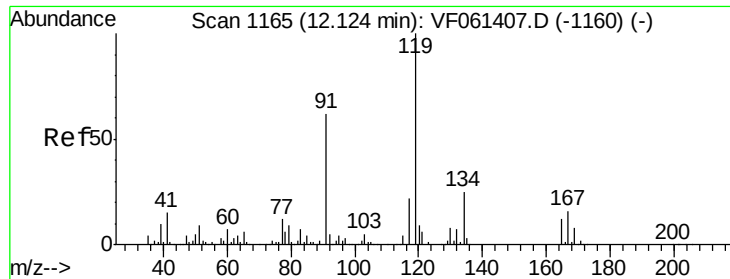
126 32.0 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

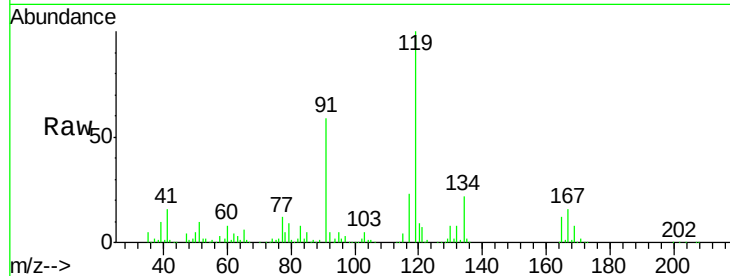




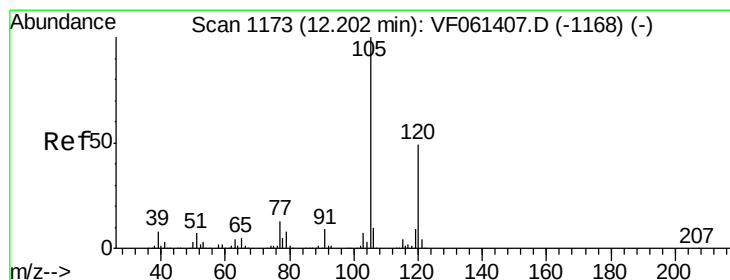
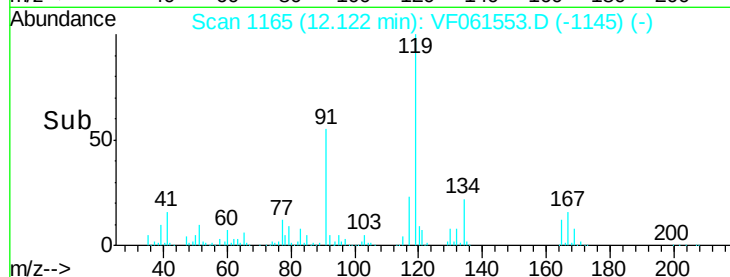
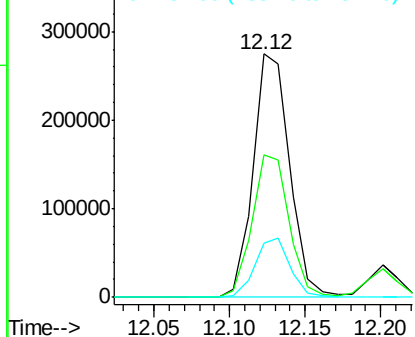
#83
 tert-Butylbenzene
 Concen: 52.232 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VF061553.D
 Acq: 7 Feb 2019 19:08

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:119 Resp: 463876
 Ion Ratio Lower Upper
 119 100
 91 58.8 31.3 93.8
 134 22.4 12.4 37.0

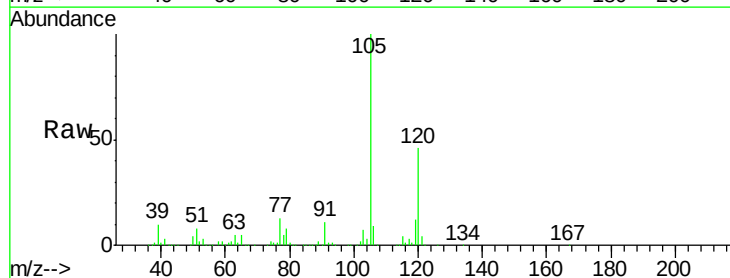


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

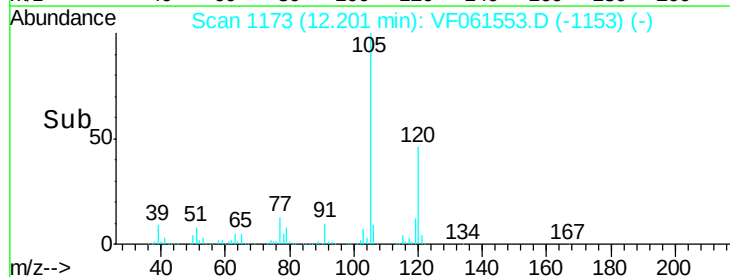
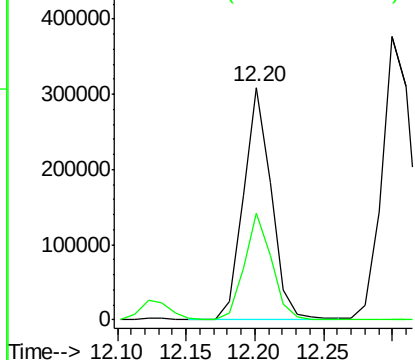


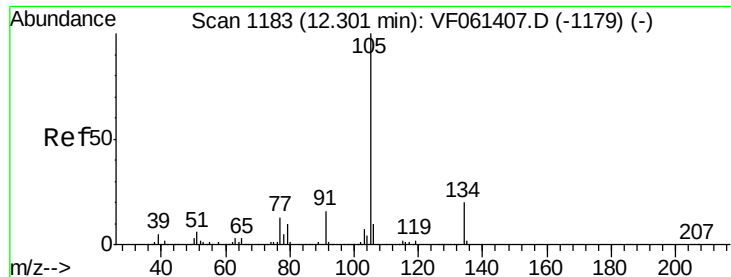
#84
 1,2,4-Trimethylbenzene
 Concen: 49.311 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.00 min
 Lab File: VF061553.D
 Acq: 7 Feb 2019 19:08

Tgt Ion:105 Resp: 435823
 Ion Ratio Lower Upper
 105 100
 120 46.0 24.9 74.6



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

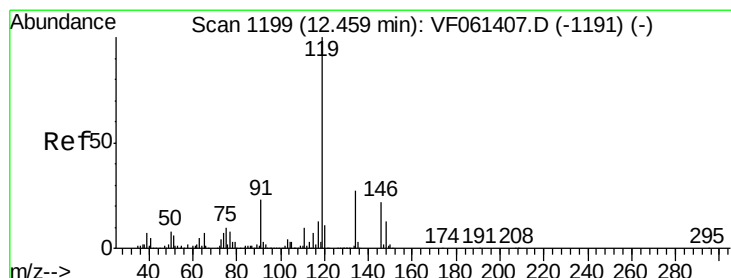
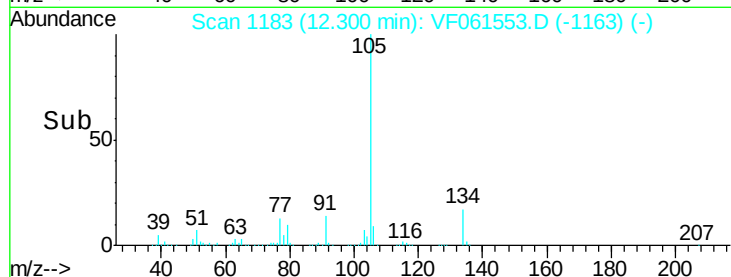
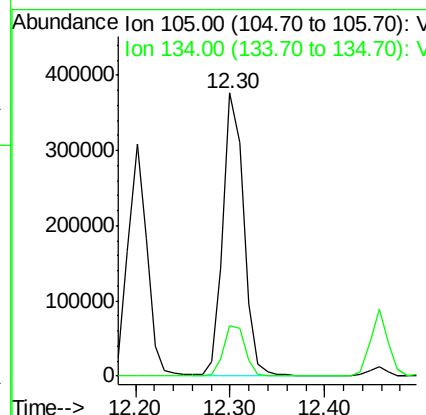
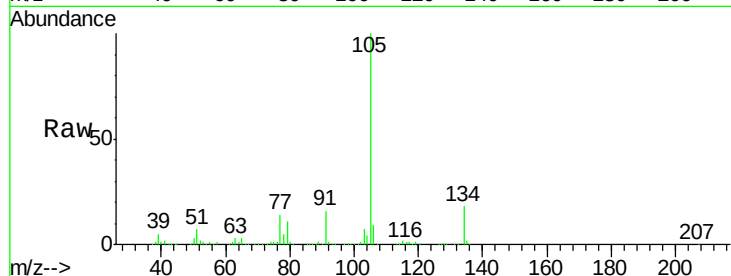




#85
 sec-Butylbenzene
 Concen: 47.702 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. -0.00 min
 Lab File: VF061553.D
 Acq: 7 Feb 2019 19:08

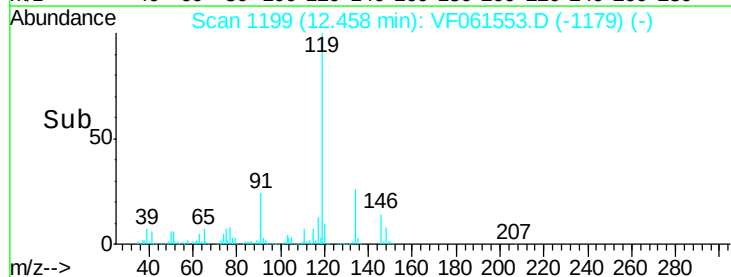
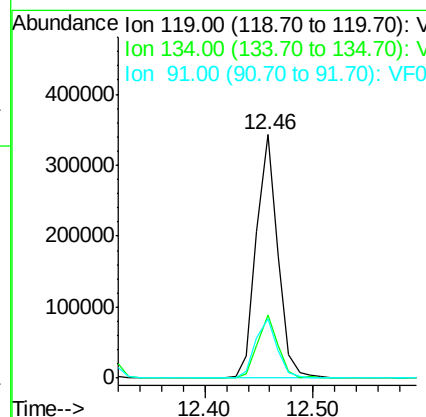
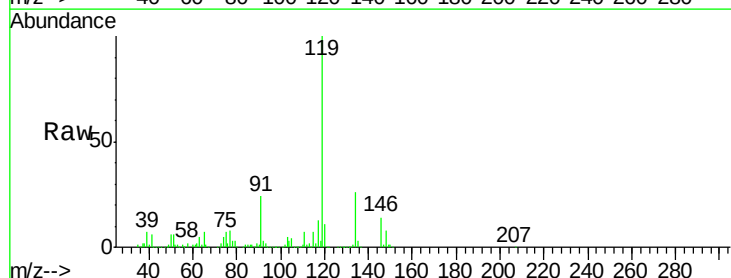
Instrument :
 MSVOA_F
 ClientSampleId :

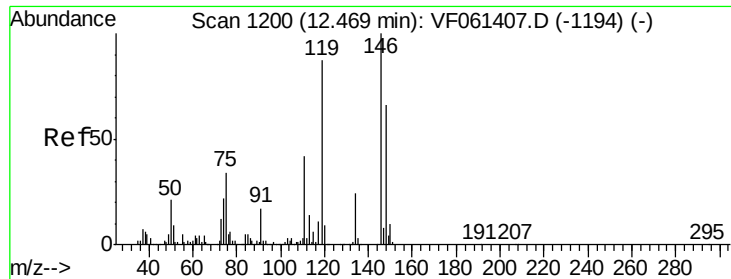
Tot Ion:105 Resp: 575310
 Ion Ratio Lower Upper
 105 100
 134 17.9 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 47.826 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VF061553.D
 Acq: 7 Feb 2019 19:08

Tgt Ion:119 Resp: 473503
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.4 40.2
 91 24.4 11.4 34.2

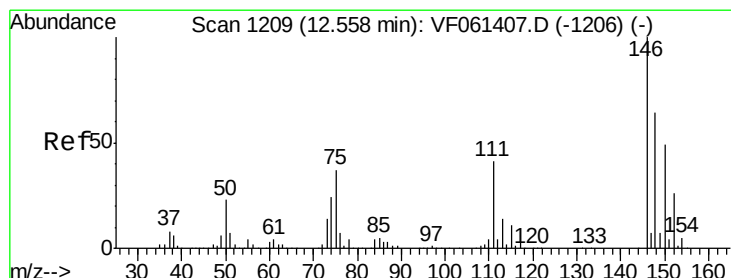
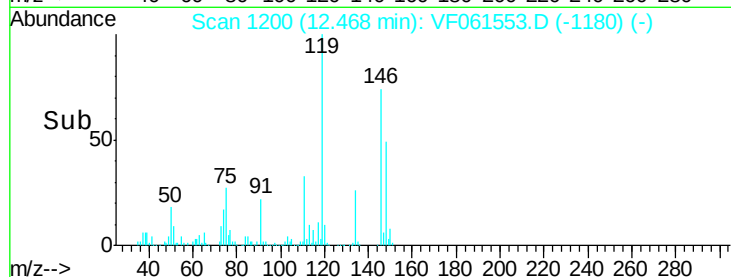
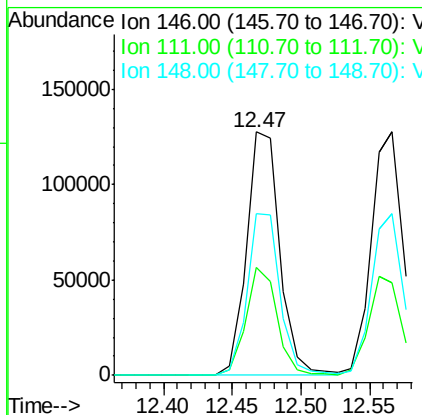
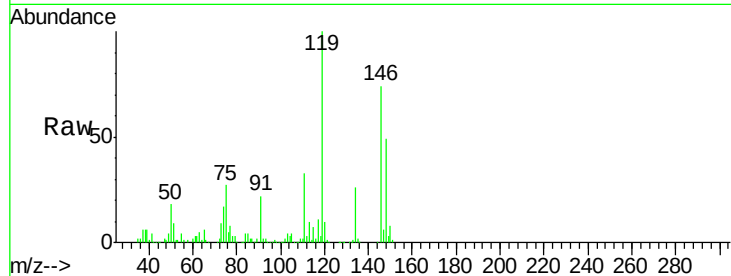




#87
 1,3-Dichlorobenzene
 Concen: 48.233 ug/l
 RT: 12.47 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VF061553.D
 Acq: 7 Feb 2019 19:08

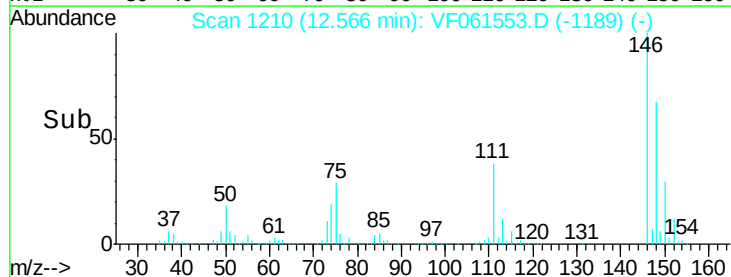
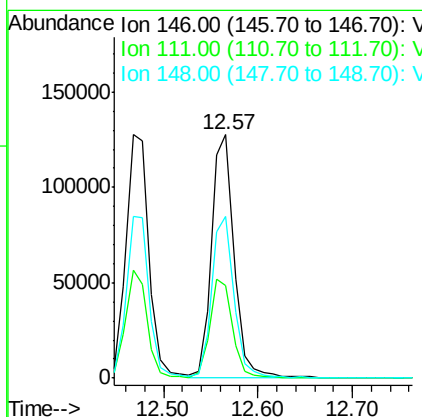
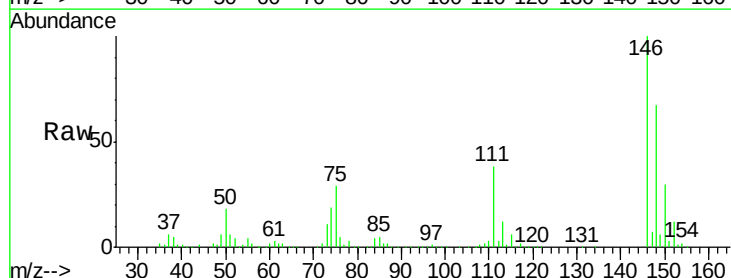
Instrument :
 MSVOA_F
 ClientSampled :

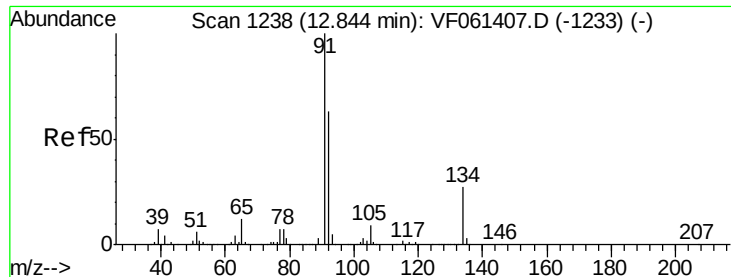
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.1	63.4
148	66.5	32.9	98.6



#88
 1,4-Dichlorobenzene
 Concen: 49.868 ug/l
 RT: 12.57 min Scan# 1210
 Delta R.T. 0.01 min
 Lab File: VF061553.D
 Acq: 7 Feb 2019 19:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	20.8	62.2
148	66.6	32.1	96.5





#89

n-Butylbenzene

Concen: 46.507 ug/l

RT: 12.84 min Scan# 1238

Delta R.T. -0.00 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :

MSVOA_F

ClientSampleId :

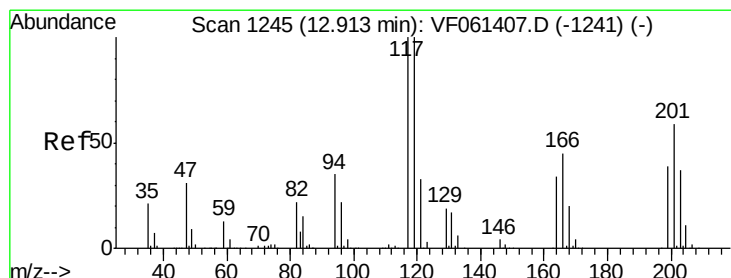
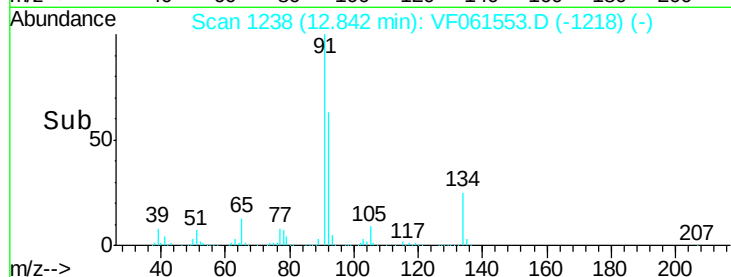
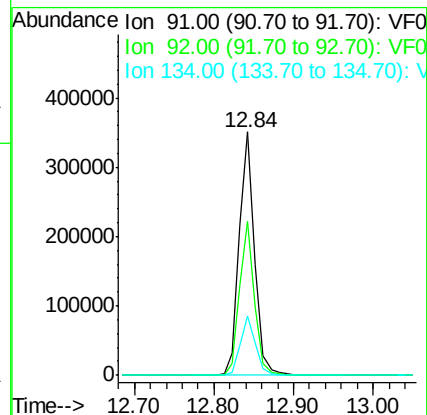
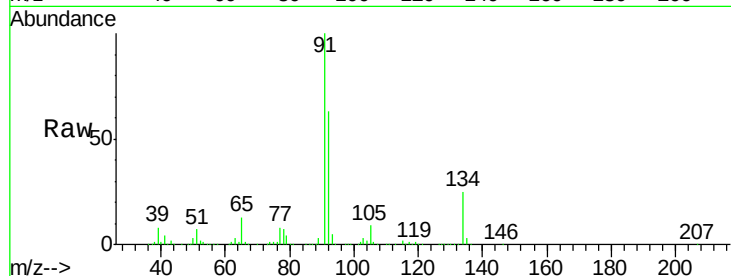
Tot Ion: 91 Resp: 474857

Ion Ratio Lower Upper

91 100

92 63.3 31.6 94.7

134 24.5 13.6 40.8



#90

Hexachloroethane

Concen: 51.631 ug/l

RT: 12.91 min Scan# 1245

Delta R.T. -0.00 min

Lab File: VF061553.D

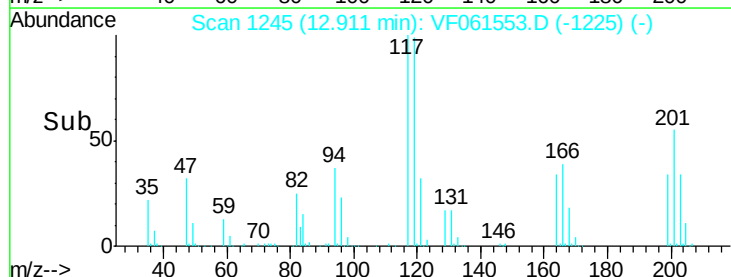
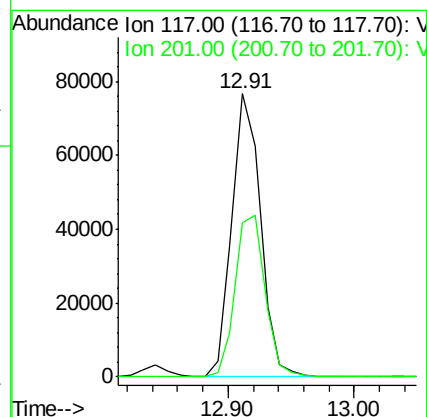
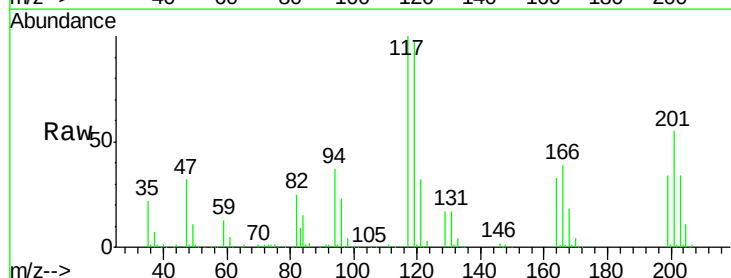
Acq: 7 Feb 2019 19:08

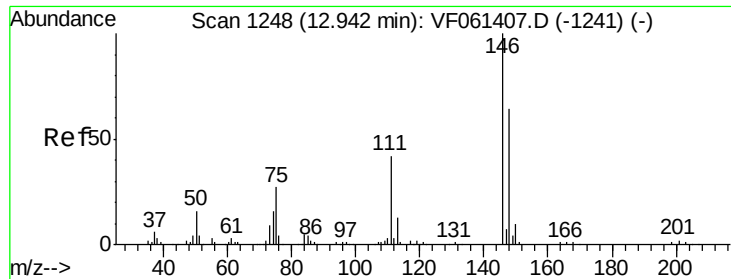
Tgt Ion: 117 Resp: 120496

Ion Ratio Lower Upper

117 100

201 54.6 29.3 87.8

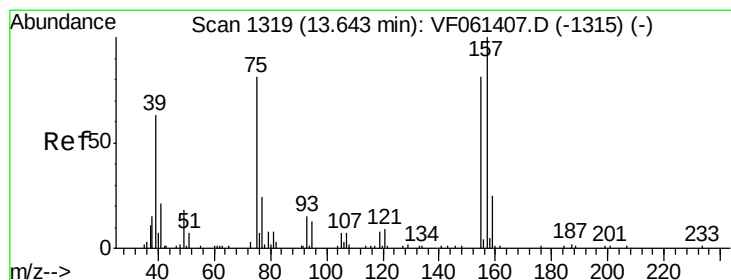
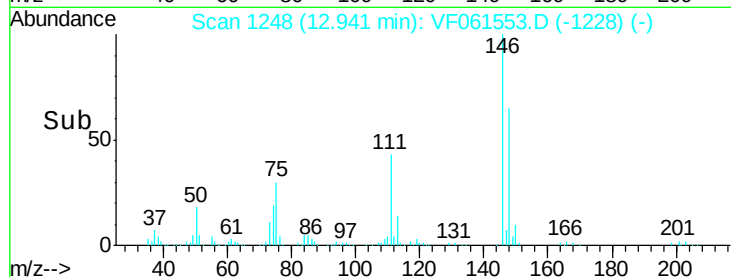
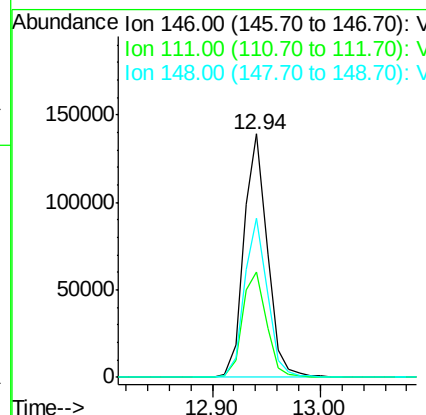
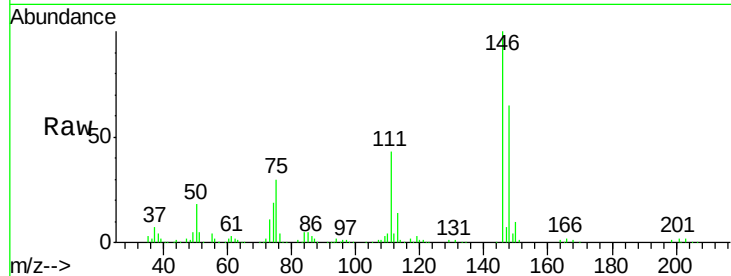




#91
 1,2-Dichlorobenzene
 Concen: 49.972 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VF061553.D
 Acq: 7 Feb 2019 19:08

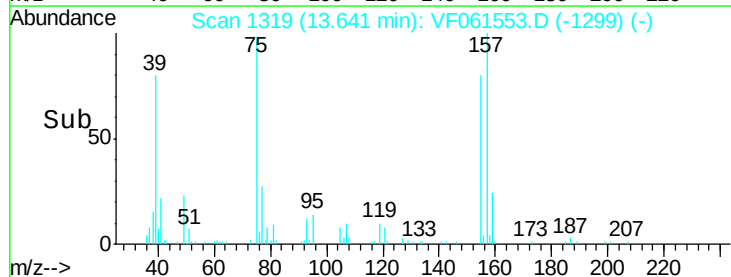
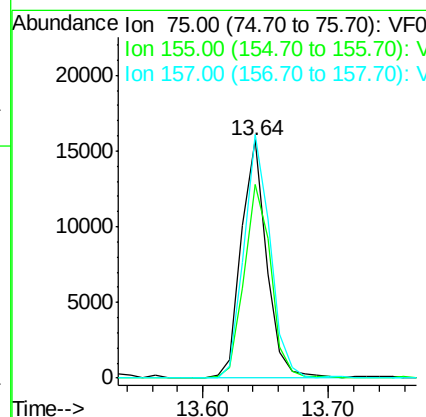
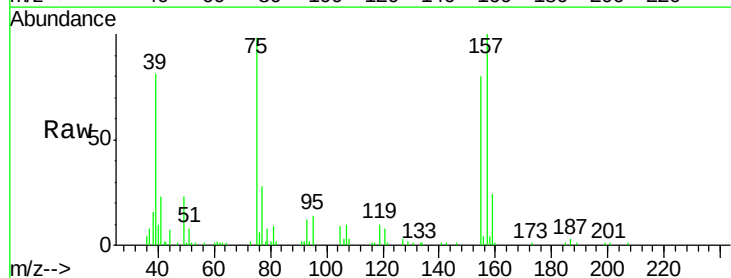
Instrument :
 MSVOA_F
 ClientSampleId :

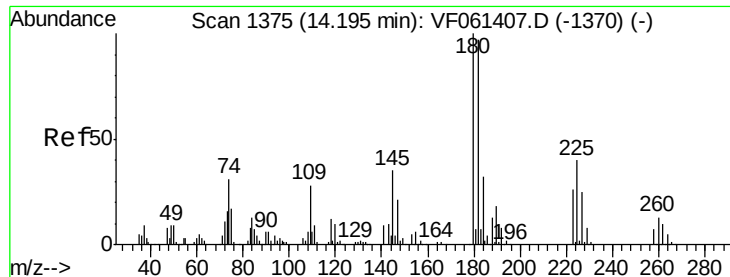
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.1	63.3
148	65.1	31.9	95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 64.862 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: VF061553.D
 Acq: 7 Feb 2019 19:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.4	49.7	149.1
157	102.3	61.4	184.1

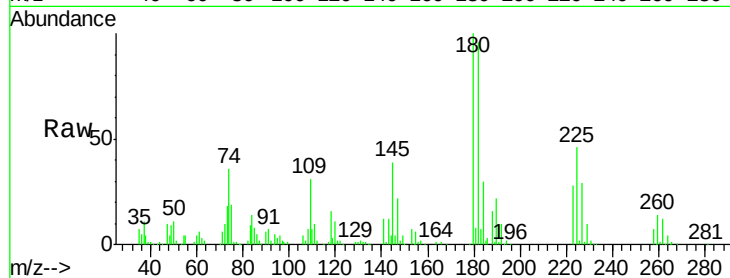




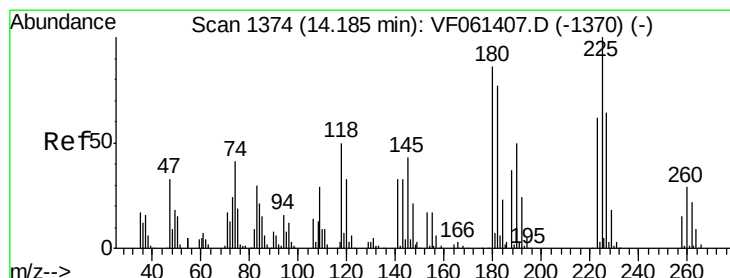
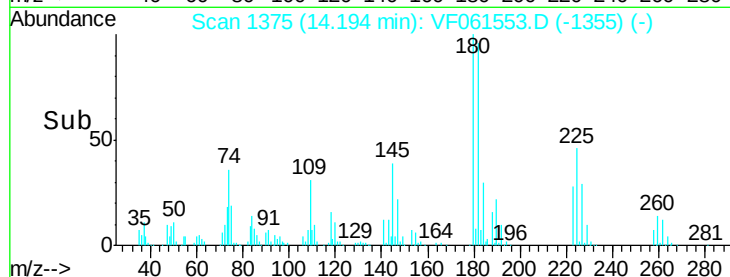
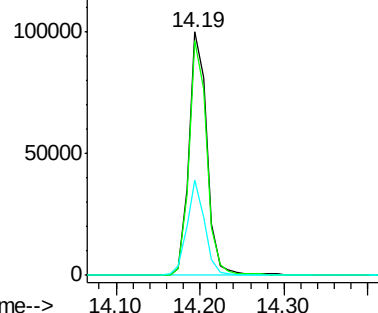
#93
 1,2,4-Trichlorobenzene
 Concen: 50.640 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF061553.D
 Acq: 7 Feb 2019 19:08

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion:180 Resp: 149011
 Ion Ratio Lower Upper
 180 100
 182 96.2 48.5 145.6
 145 39.0 17.5 52.6

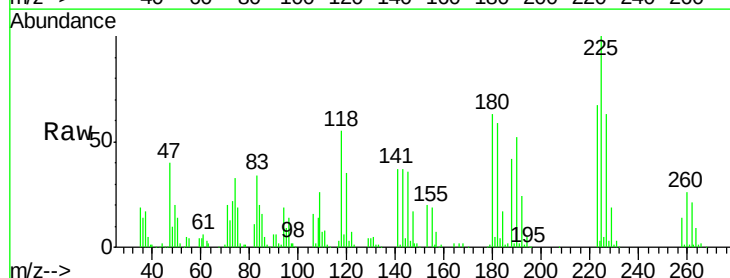


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

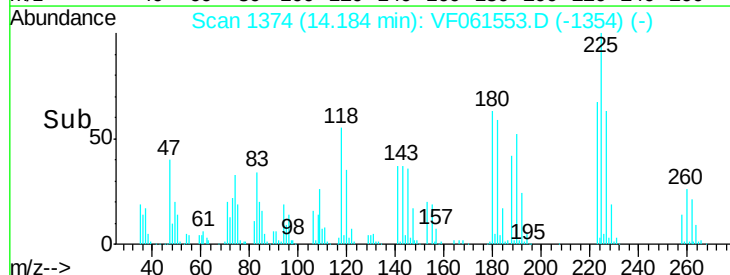
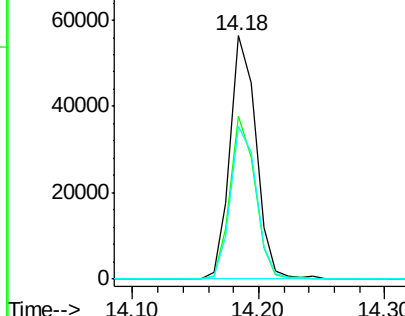


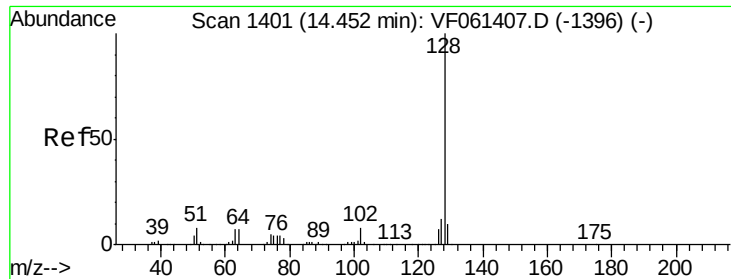
#94
 Hexachlorobutadiene
 Concen: 44.393 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: VF061553.D
 Acq: 7 Feb 2019 19:08

Tgt Ion:225 Resp: 81059
 Ion Ratio Lower Upper
 225 100
 223 66.7 31.1 93.2
 227 62.6 32.2 96.6



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: 57.166 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. -0.00 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

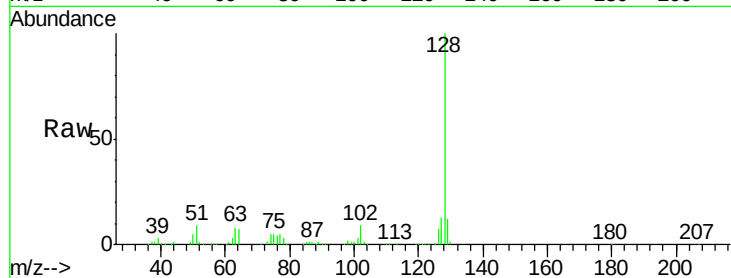
Instrument :

MSVOA_F

ClientSampled :

Tot Ion:128 Resp: 319597

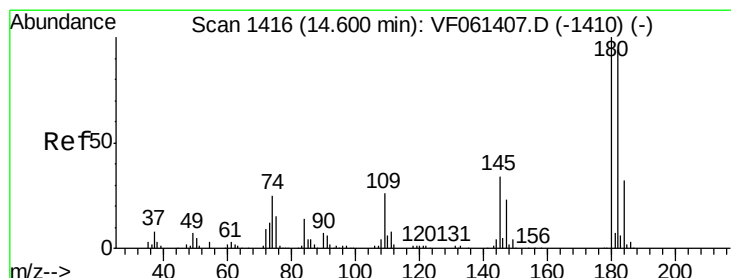
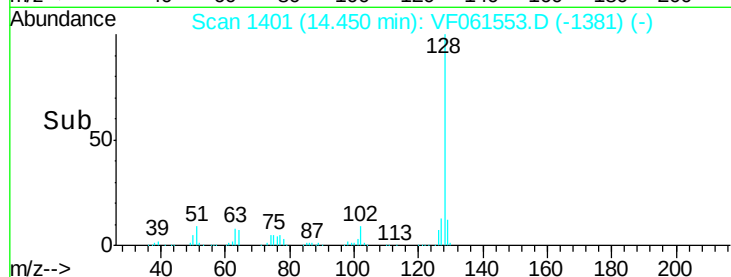
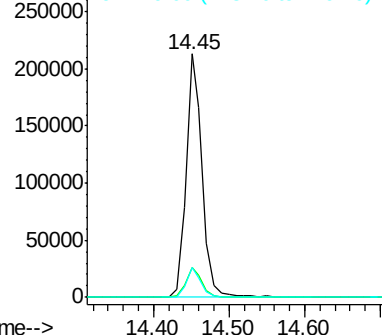
Ion	Ratio	Lower	Upper
128	100		
127	12.5	9.5	14.3
129	12.1	8.4	12.6



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: 51.082 ug/l

RT: 14.60 min Scan# 1416

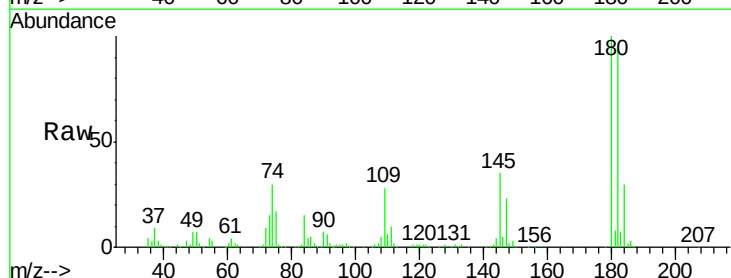
Delta R.T. -0.00 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Tgt Ion:180 Resp: 139145

Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.0	141.2
145	34.8	17.1	51.2



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

