

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012519\
 Data File : VF061517.D
 Acq On : 25 Jan 2019 13:13
 Operator : VA/AP
 Sample : VF01251SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jan 28 00:07:28 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	4.87	168	179949	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	334454	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	308499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	152477	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	111659	50.26	ug/l	0.00
Spiked Amount			Recovery	=	100.52%	
35) Dibromofluoromethane	4.12	113	127055	48.14	ug/l	0.02
Spiked Amount			Recovery	=	96.28%	
50) Toluene-d8	7.55	98	332727	46.02	ug/l	0.00
Spiked Amount			Recovery	=	92.04%	
62) 4-Bromofluorobenzene	11.41	95	158116	46.80	ug/l	0.00
Spiked Amount			Recovery	=	93.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.95	85	67435	19.072	ug/l	85
3) Chloromethane	1.09	50	54479	21.014	ug/l	95
4) Vinyl Chloride	1.13	62	48098	20.856	ug/l	93
5) Bromomethane	1.34	94	30329	20.168	ug/l	100
6) Chloroethane	1.38	64	20574	20.133	ug/l	98
7) Trichlorofluoromethane	1.48	101	82389	18.377	ug/l	97
8) Diethyl Ether	1.63	74	11444	19.921	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.83	101	43829	20.346	ug/l	92
10) Methyl Iodide	1.90	142	53931	16.149	ug/l #	89
11) Tert butyl alcohol	2.57	59	10240	108.889	ug/l #	91
12) 1,1-Dichloroethene	1.79	96	33240	20.769	ug/l	86
13) Acrolein	2.01	56	6556	87.927	ug/l	92
14) Allyl chloride	2.10	41	48636	26.335	ug/l	89
15) Acrylonitrile	2.95	53	25468	105.727	ug/l	88
16) Acetone	2.24	43	55863	125.338	ug/l	99
17) Carbon Disulfide	1.82	76	77312	15.492	ug/l	99
18) Methyl Acetate	2.34	43	20147	22.794	ug/l #	91
19) Methyl tert-butyl Ether	2.43	73	68636	19.130	ug/l	94
20) Methylene Chloride	2.18	84	13939	7.727	ug/l	91
21) trans-1,2-Dichloroethene	2.31	96	35991	20.439	ug/l	92
22) Diisopropyl ether	2.80	45	119619	21.002	ug/l	97
23) Vinyl Acetate	3.19	43	290134	117.529	ug/l	97
24) 1,1-Dichloroethane	2.87	63	71189	19.915	ug/l	97
25) 2-Butanone	4.34	43	90580	122.211	ug/l	99
26) 2,2-Dichloropropane	3.60	77	43373	19.749	ug/l	97
27) cis-1,2-Dichloroethene	3.47	96	56029	21.555	ug/l	98
28) Bromochloromethane	3.72	49	35924	22.357	ug/l #	98
29) Tetrahydrofuran	4.08	42	36370	113.960	ug/l	97
30) Chloroform	3.86	83	104066	21.572	ug/l	100
31) Cyclohexane	3.69	56	45824	12.833	ug/l	87
32) 1,1,1-Trichloroethane	4.09	97	71904	20.327	ug/l	96
36) 1,1-Dichloropropene	4.28	75	74436	19.195	ug/l	96
37) Ethyl Acetate	4.11	43	34622	22.335	ug/l	85
38) Carbon Tetrachloride	3.99	117	61985	18.284	ug/l	94

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	79554	18.930	ug/l	98
40) Benzene	4.63	78	179220	20.770	ug/l	100
41) Methacrylonitrile	4.74	41	17546	21.273	ug/l	91
42) 1,2-Dichloroethane	4.95	62	61995	20.162	ug/l	98
43) Isopropyl Acetate	6.96	43	40024	20.573	ug/l #	90
44) Trichloroethene	5.51	130	56441	21.322	ug/l	92
45) 1,2-Dichloropropane	6.24	63	44721	19.747	ug/l	98
46) Dibromomethane	6.08	93	29359	19.496	ug/l	96
47) Bromodichloromethane	6.39	83	76917	20.644	ug/l	99
48) Methyl methacrylate	6.71	41	27240	20.851	ug/l	95
49) 1,4-Dioxane	6.71	88	4265	427.994	ug/l	92
51) 4-Methyl-2-Pentanone	8.26	43	152078	106.331	ug/l	98
52) Toluene	7.62	92	114179	20.093	ug/l	95
53) t-1,3-Dichloropropene	8.28	75	61519	20.794	ug/l	95
54) cis-1,3-Dichloropropene	7.31	75	74717	20.204	ug/l	97
55) 1,1,2-Trichloroethane	8.49	97	33923	21.023	ug/l	93
56) Ethyl methacrylate	8.62	69	39941	21.275	ug/l	95
57) 1,3-Dichloropropane	8.86	76	59871	19.795	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.30	63	33619	179.494	ug/l	99
59) 2-Hexanone	9.50	43	122713	123.042	ug/l	98
60) Dibromochloromethane	8.72	129	45564	19.315	ug/l	96
61) 1,2-Dibromoethane	8.99	107	35730	19.342	ug/l	94
64) Tetrachloroethene	8.16	164	42346	18.253	ug/l	92
65) Chlorobenzene	9.80	112	128502	20.483	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.93	131	50348	20.146	ug/l	96
67) Ethyl Benzene	9.90	91	235831	20.575	ug/l	100
68) m/p-Xylenes	10.14	106	166180	40.310	ug/l	98
69) o-Xylene	10.71	106	84788	18.976	ug/l	98
70) Styrene	10.79	104	127414	20.833	ug/l	95
71) Bromoform	10.78	173	23348	20.793	ug/l #	97
73) Isopropylbenzene	11.12	105	261092	21.054	ug/l	100
74) N-amyl acetate	11.37	43	70780	24.137	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.70	83	47341	21.429	ug/l	97
76) 1,2,3-Trichloropropane	11.79	75	33185	20.905	ug/l	95
77) Bromobenzene	11.50	156	54521	20.817	ug/l	93
78) n-propylbenzene	11.60	91	317136	19.612	ug/l	100
79) 2-Chlorotoluene	11.72	91	180786	21.011	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	209329	20.916	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	21504	31.162	ug/l	92
82) 4-Chlorotoluene	11.90	91	182373	21.004	ug/l	96
83) tert-Butylbenzene	12.13	119	224473	21.670	ug/l	97
84) 1,2,4-Trimethylbenzene	12.21	105	210839	20.452	ug/l	95
85) sec-Butylbenzene	12.31	105	298400	21.213	ug/l	94
86) p-Isopropyltoluene	12.47	119	251945	21.818	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	110739	20.127	ug/l	99
88) 1,4-Dichlorobenzene	12.56	146	101851	20.580	ug/l	99
89) n-Butylbenzene	12.85	91	268418	22.539	ug/l	97
90) Hexachloroethane	12.92	117	60454	22.209	ug/l	92
91) 1,2-Dichlorobenzene	12.94	146	104255	21.279	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.64	75	8083	20.628	ug/l	60

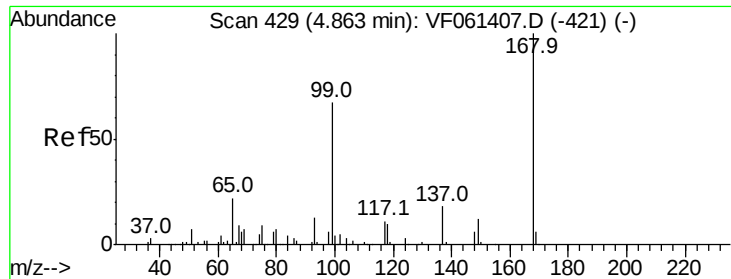
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	68552	19.974	ug/l	97
94) Hexachlorobutadiene	14.19	225	42068	19.753	ug/l	96
95) Naphthalene	14.46	128	131222	20.124	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	62480	19.666	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

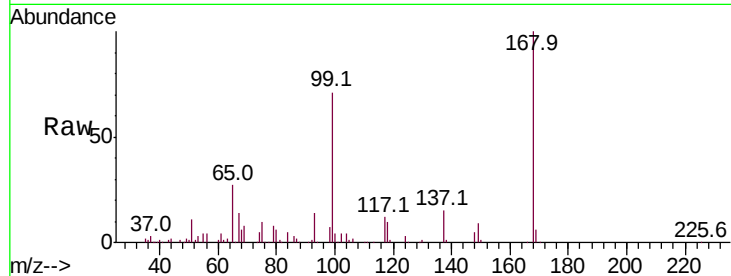
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 179949

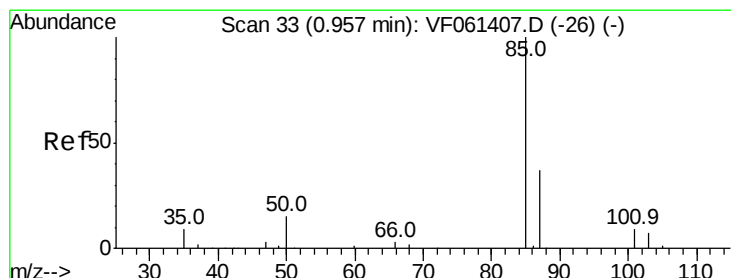
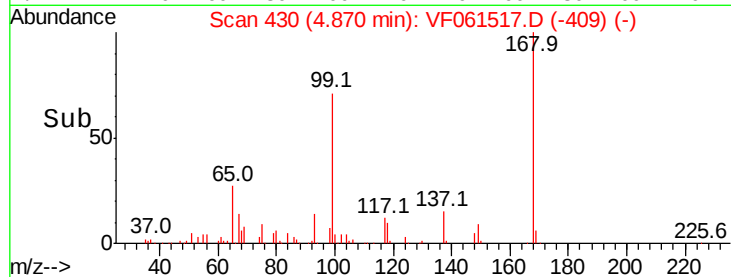
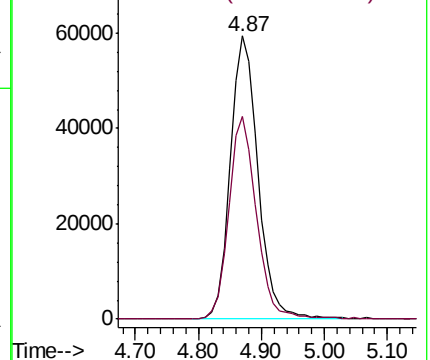
Ion Ratio Lower Upper

168 100

99 71.4 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 19.072 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.00 min

Lab File: VF061517.D

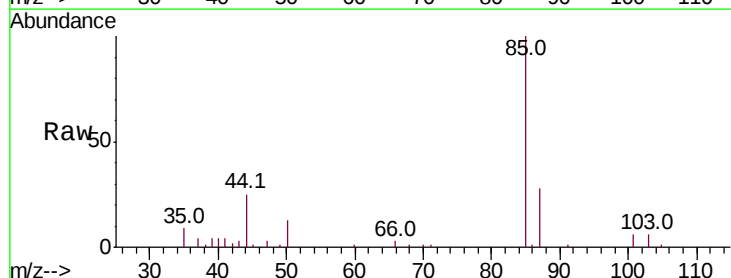
Acq: 25 Jan 2019 13:13

Tgt Ion: 85 Resp: 67435

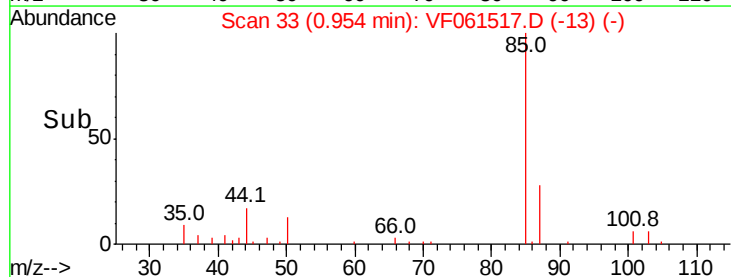
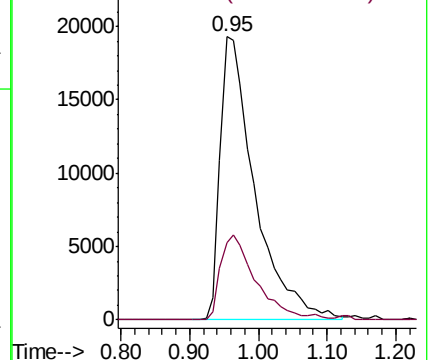
Ion Ratio Lower Upper

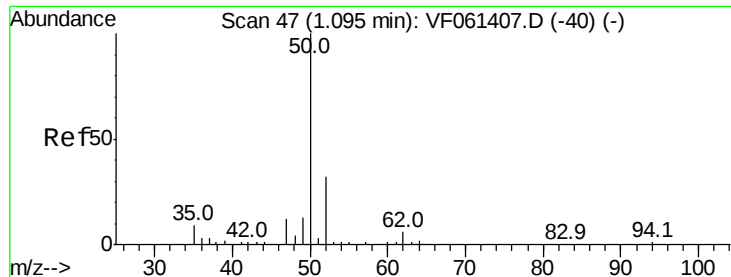
85 100

87 27.5 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 21.014 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

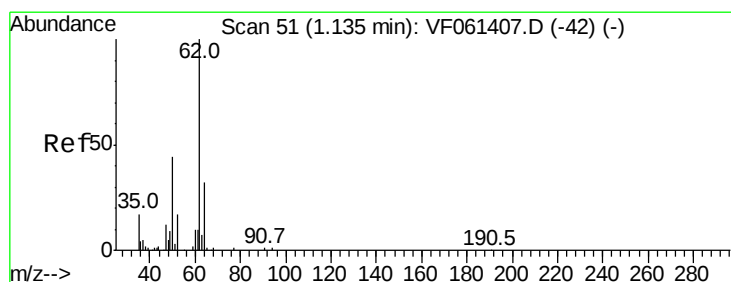
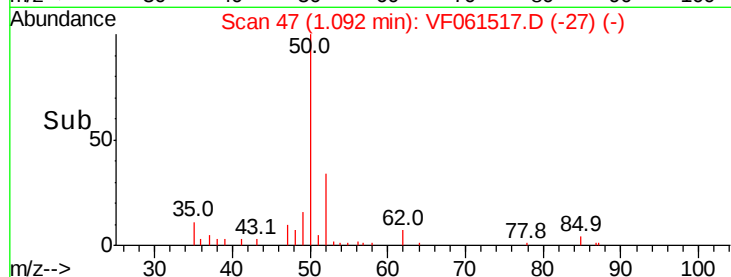
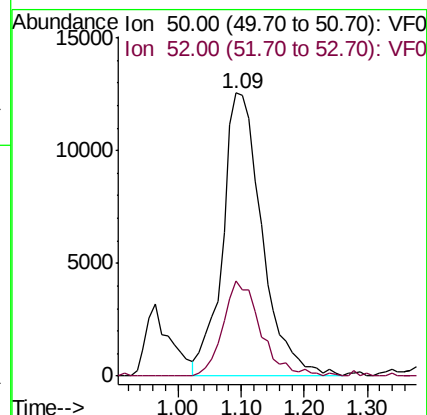
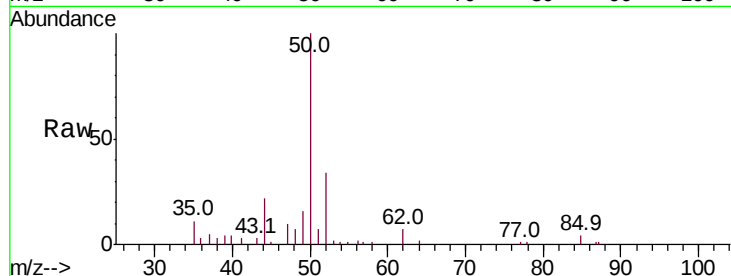
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 54479

Ion Ratio Lower Upper

50 100

52 33.7 24.6 36.8



#4

Vinyl Chloride

Concen: 20.856 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF061517.D

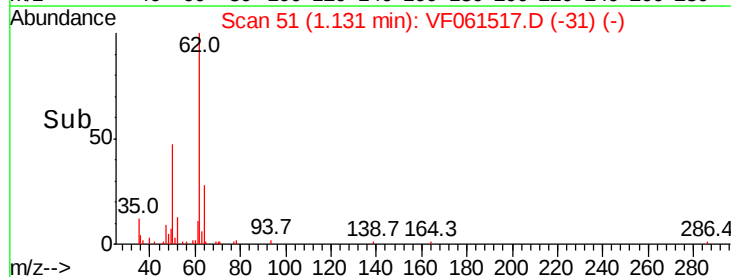
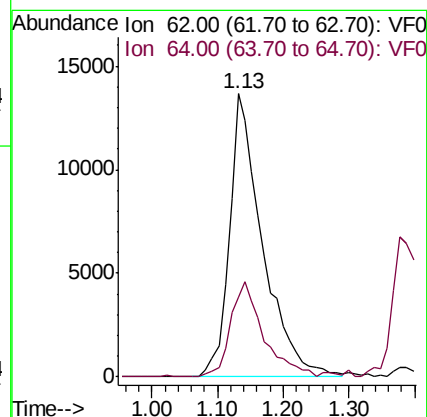
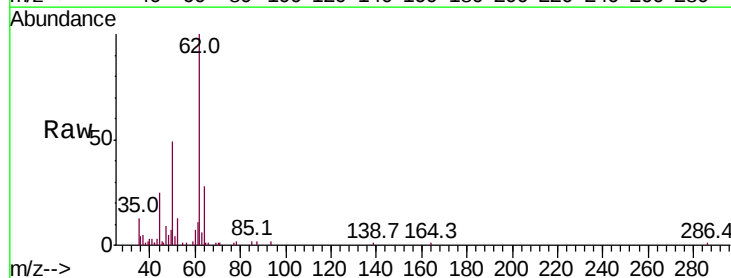
Acq: 25 Jan 2019 13:13

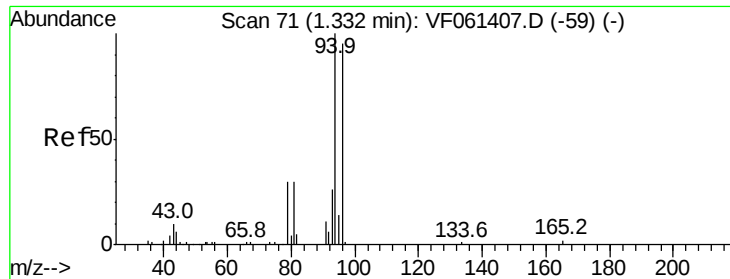
Tgt Ion: 62 Resp: 48098

Ion Ratio Lower Upper

62 100

64 28.1 25.6 38.4





#5

Bromomethane

Concen: 20.168 ug/l

RT: 1.34 min Scan# 72

Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

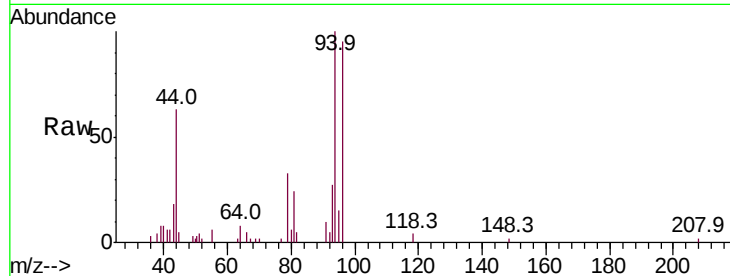
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 30329

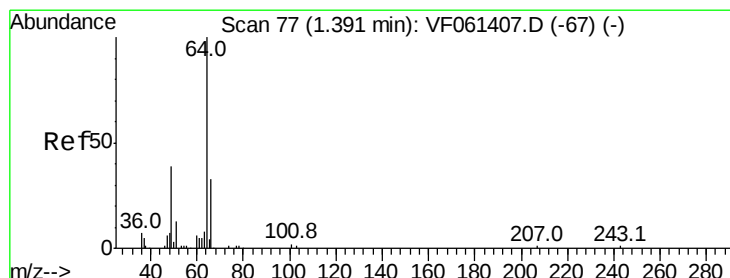
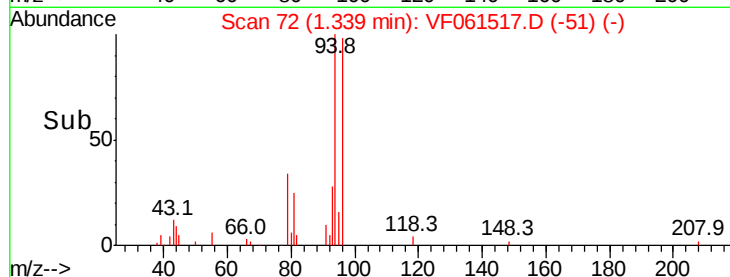
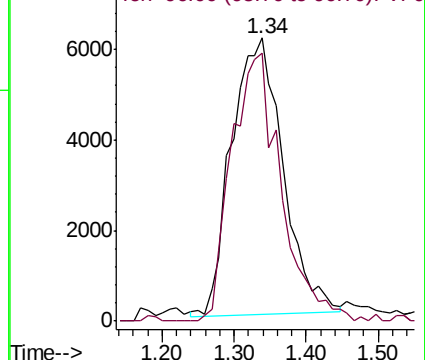
Ion Ratio Lower Upper

94 100

96 94.7 76.0 114.0



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



#6

Chloroethane

Concen: 20.133 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061517.D

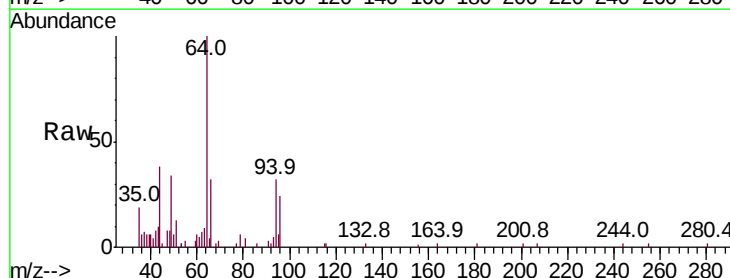
Acq: 25 Jan 2019 13:13

Tgt Ion: 64 Resp: 20574

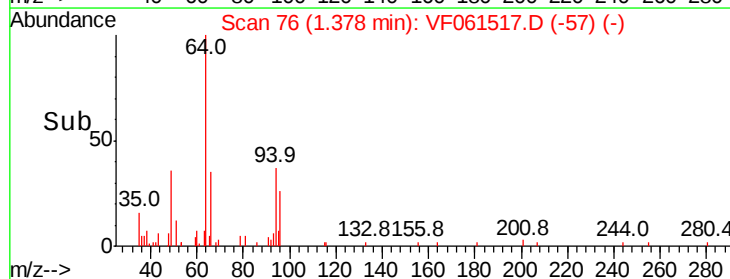
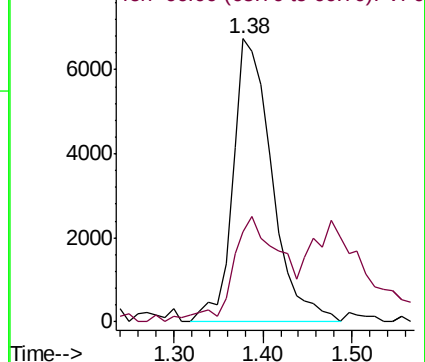
Ion Ratio Lower Upper

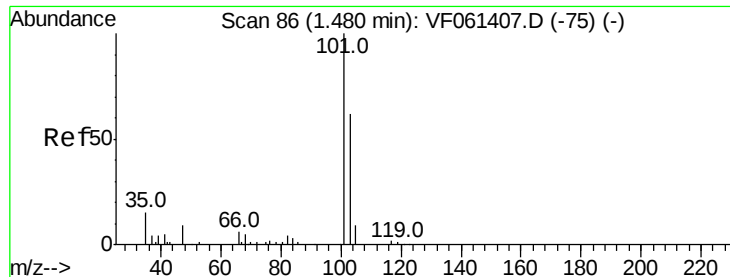
64 100

66 32.0 26.6 40.0



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





#7

Trichlorofluoromethane

Concen: 18.377 ug/l

RT: 1.48 min Scan# 86

Delta R.T. -0.00 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :

MSVOA_F

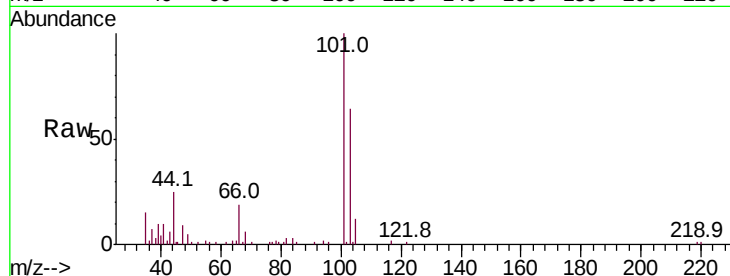
ClientSampleId :

Tot Ion:101 Resp: 82389

Ion Ratio Lower Upper

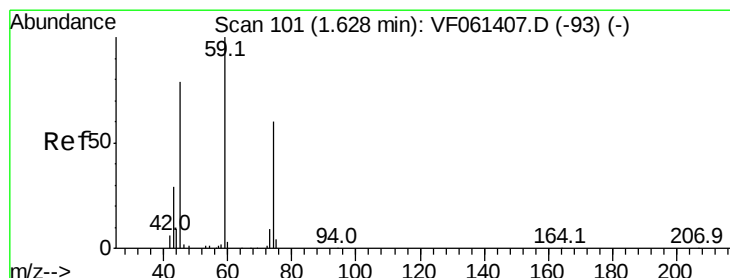
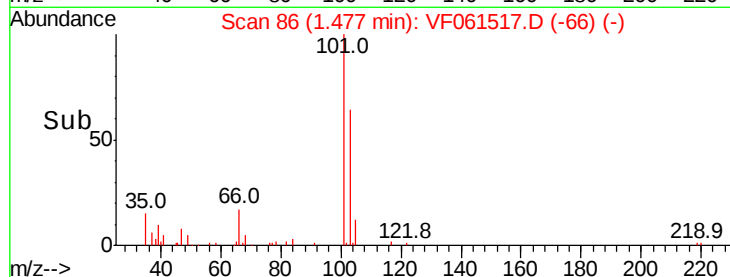
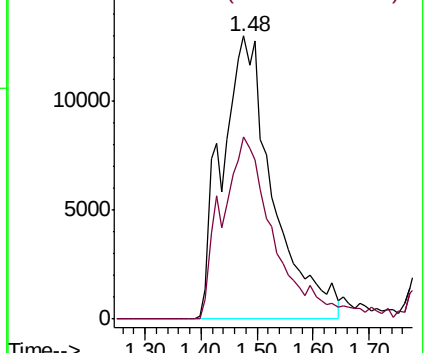
101 100

103 64.2 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: 19.921 ug/l

RT: 1.63 min Scan# 102

Delta R.T. 0.01 min

Lab File: VF061517.D

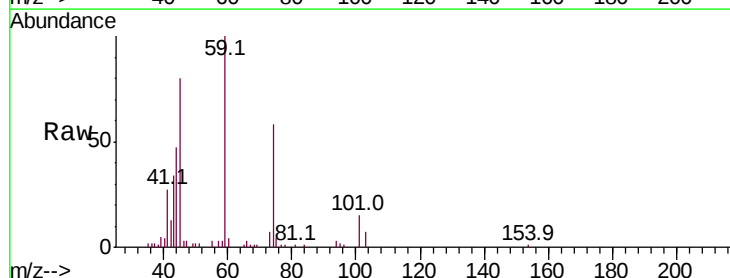
Acq: 25 Jan 2019 13:13

Tgt Ion: 74 Resp: 11444

Ion Ratio Lower Upper

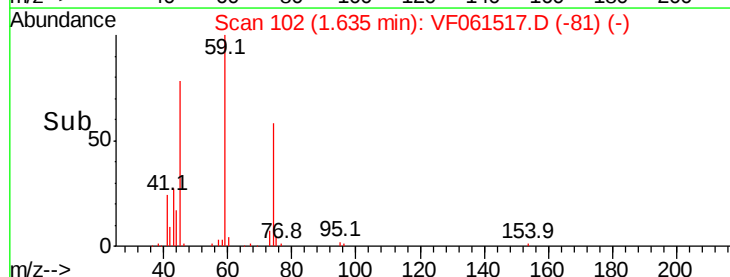
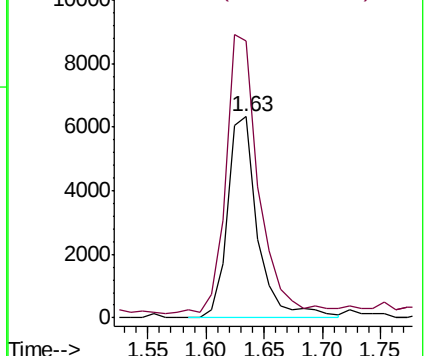
74 100

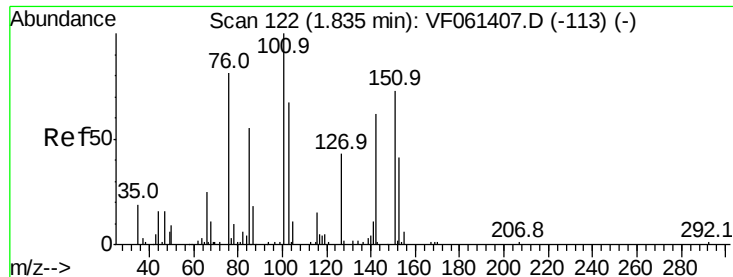
45 137.5 65.8 197.5



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: 20.346 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.00 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampled :

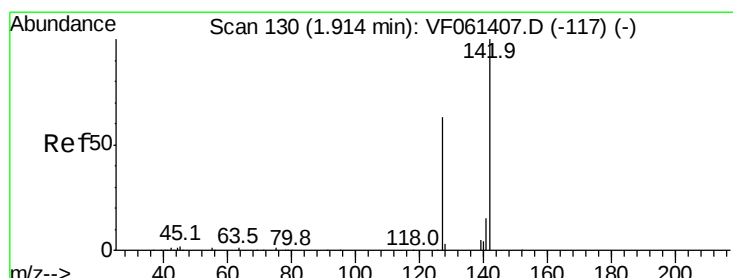
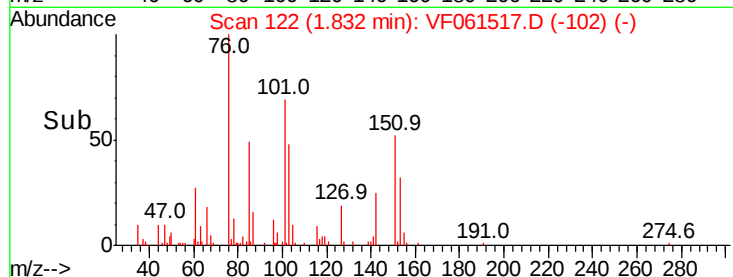
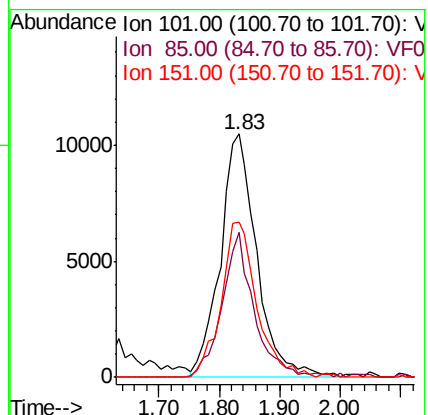
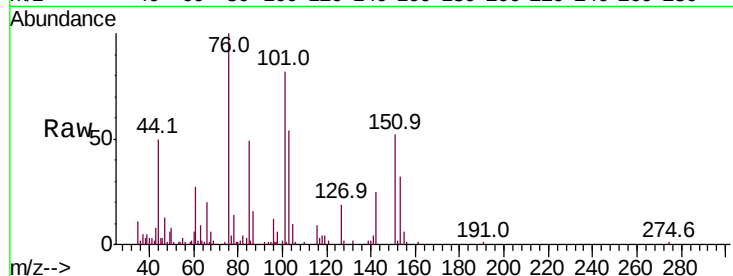
Tot Ion:101 Resp: 43829

Ion Ratio Lower Upper

101 100

85 59.4 41.9 62.9

151 64.0 55.1 82.7



#10

Methyl Iodide

Concen: 16.149 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

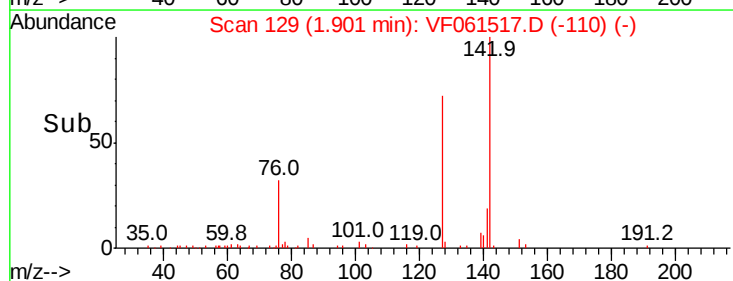
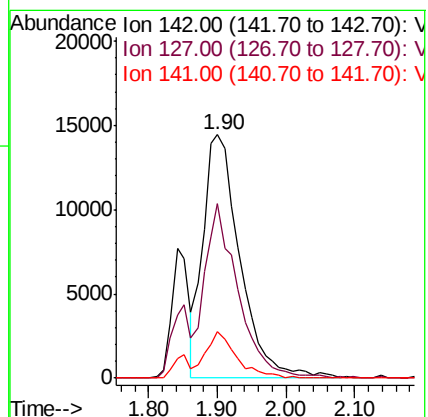
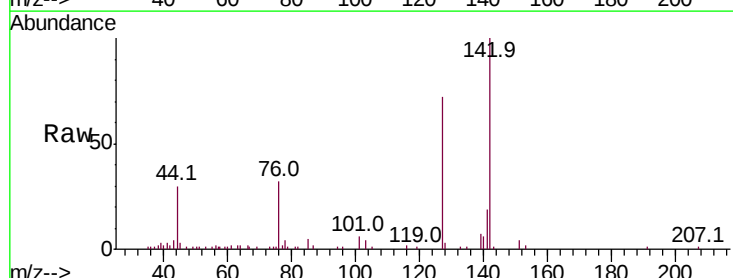
Tgt Ion:142 Resp: 53931

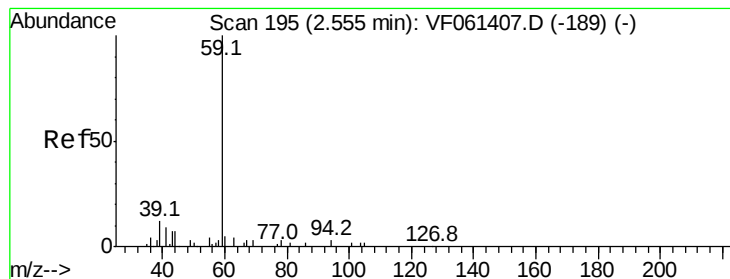
Ion Ratio Lower Upper

142 100

127 71.6 50.7 76.1

141 19.3 11.8 17.6#



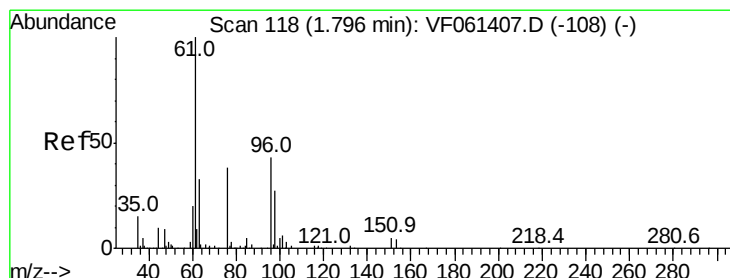
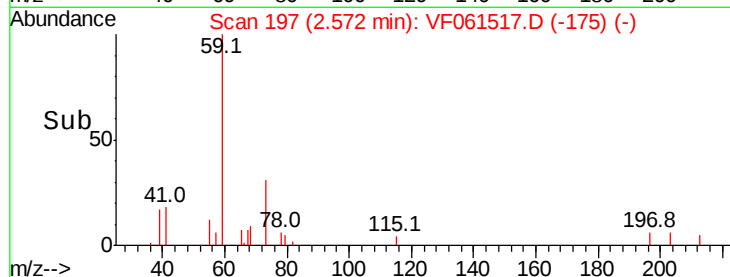
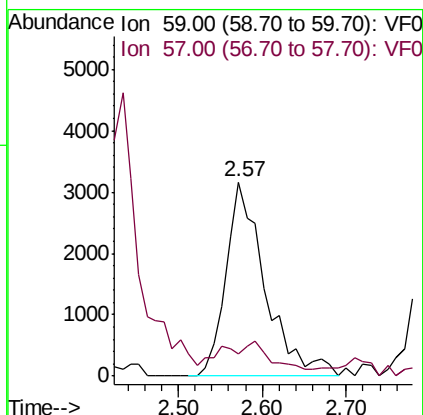
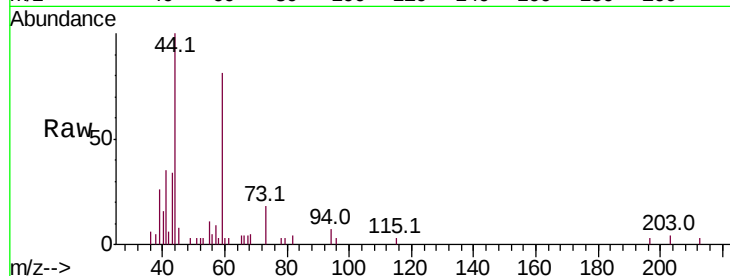


#11

Tert butyl alcohol
Concen: 108.889 ug/l
RT: 2.57 min Scan# 197
Delta R.T. 0.02 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Instrument :
MSVOA_F
ClientSampled :

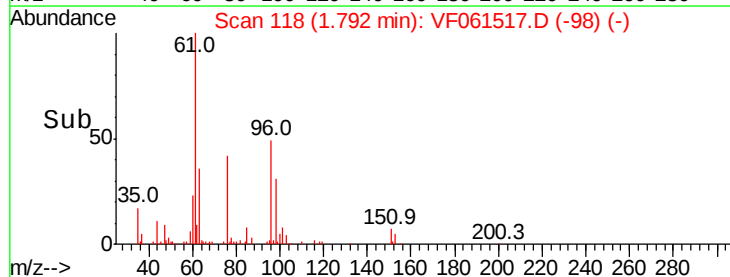
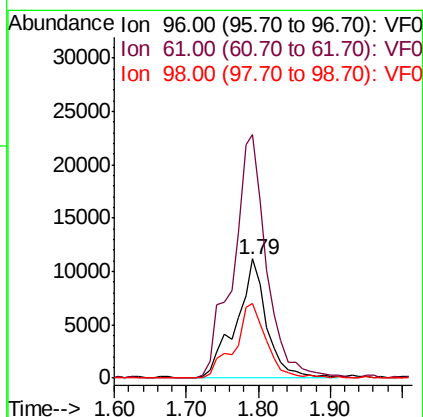
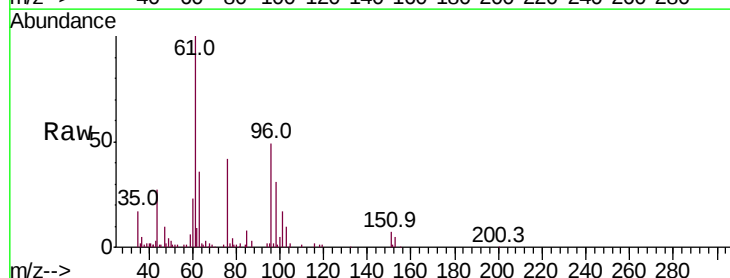
Tot Ion: 59 Resp: 10240
Ion Ratio Lower Upper
59 100
57 11.3 11.9 17.9#

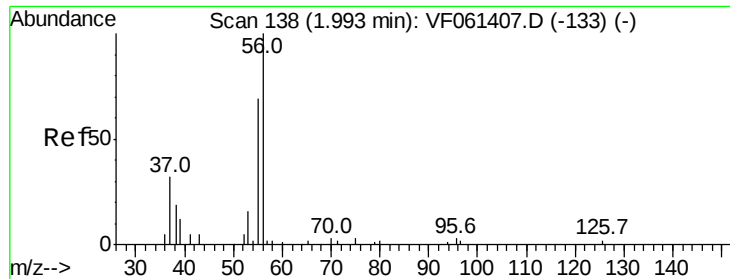


#12

1,1-Dichloroethene
Concen: 20.769 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Tgt Ion: 96 Resp: 33240
Ion Ratio Lower Upper
96 100
61 204.8 186.9 280.3
98 63.0 53.0 79.4





#13

Acrolein

Concen: 87.927 ug/l

RT: 2.01 min Scan# 140

Delta R.T. 0.02 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

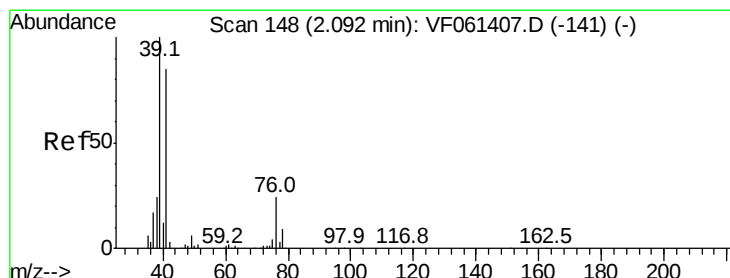
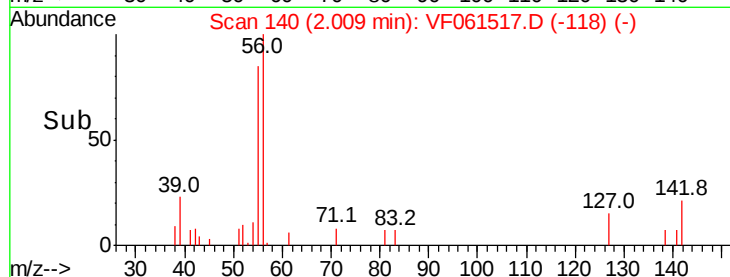
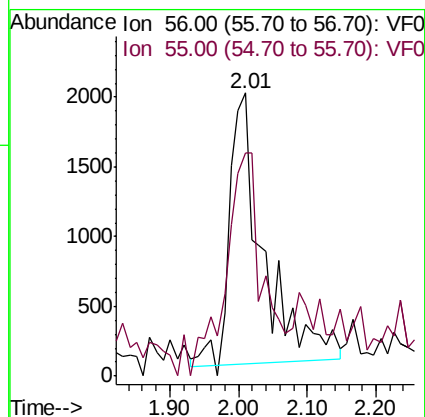
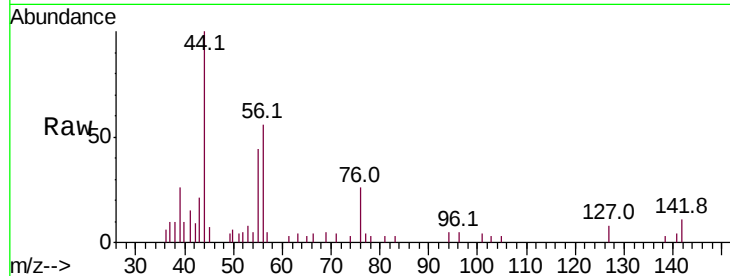
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 6556

Ion Ratio Lower Upper

56 100

55 78.7 57.5 86.3



#14

Allyl chloride

Concen: 26.335 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

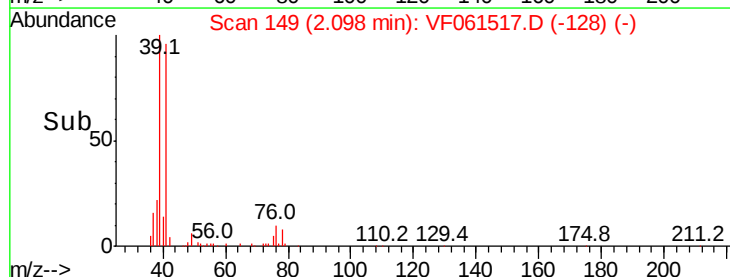
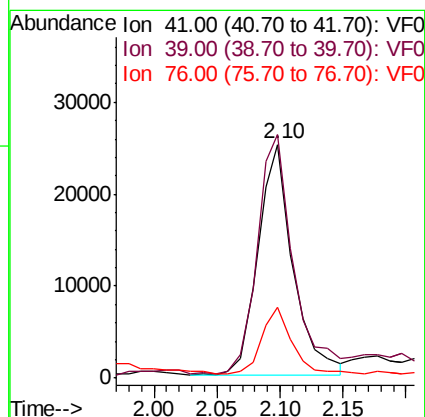
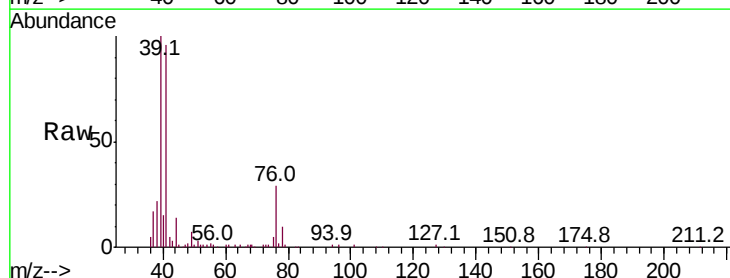
Tgt Ion: 41 Resp: 48636

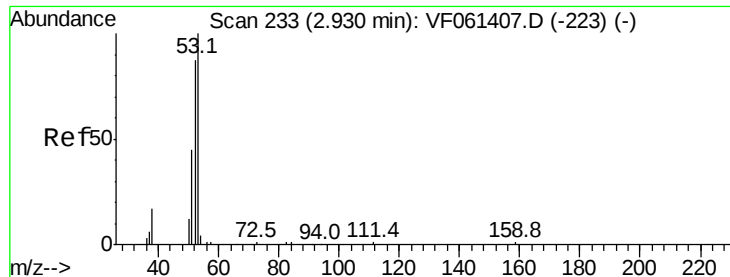
Ion Ratio Lower Upper

41 100

39 104.2 94.6 141.8

76 30.3 25.9 38.9

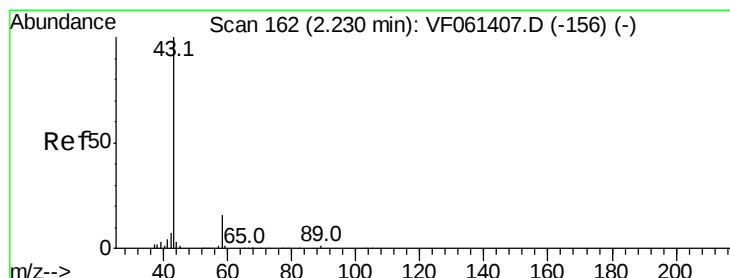
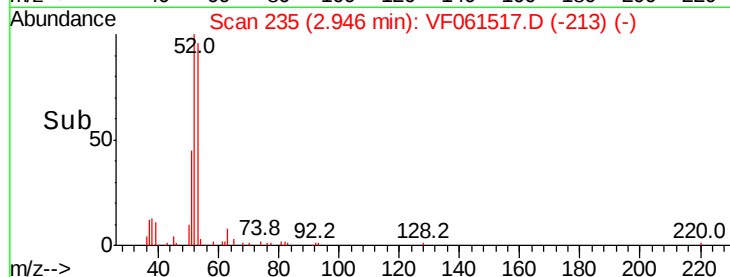
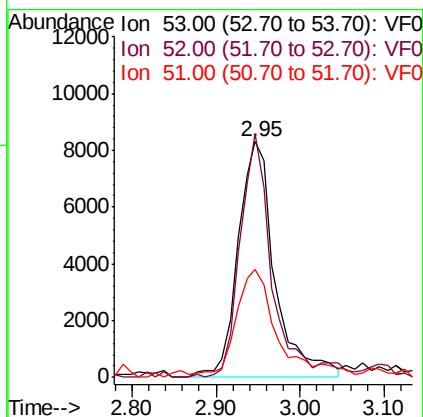
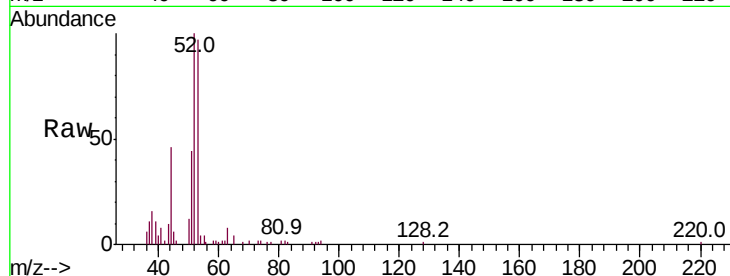




#15
 Acrylonitrile
 Concen: 105.727 ug/l
 RT: 2.95 min Scan# 235
 Delta R.T. 0.02 min
 Lab File: VF061517.D
 Acq: 25 Jan 2019 13:13

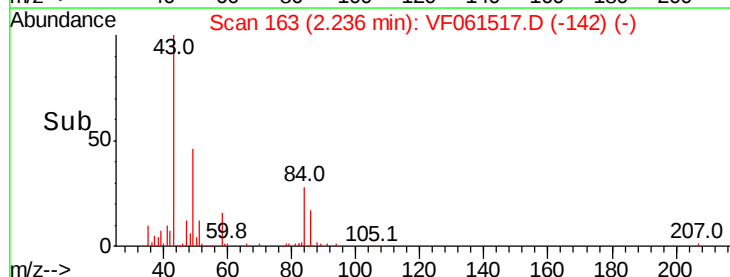
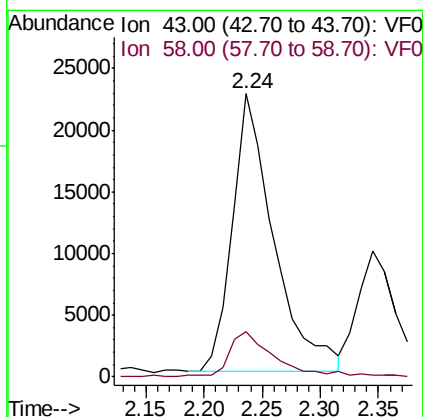
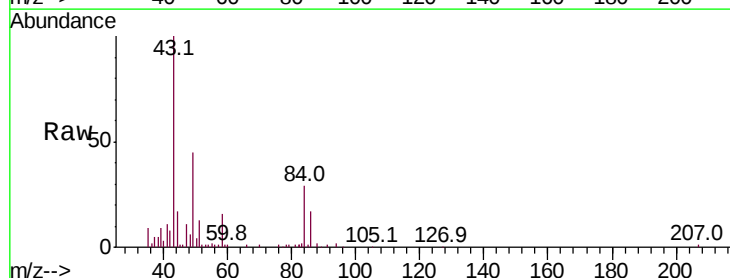
Instrument :
 MSVOA_F
 ClientSampleId :

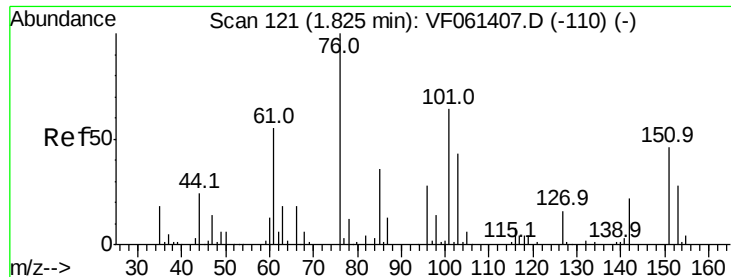
Tot Ion: 53 Resp: 25468
 Ion Ratio Lower Upper
 53 100
 52 103.5 69.6 104.4
 51 45.8 36.8 55.2



#16
 Acetone
 Concen: 125.338 ug/l
 RT: 2.24 min Scan# 163
 Delta R.T. 0.01 min
 Lab File: VF061517.D
 Acq: 25 Jan 2019 13:13

Tgt Ion: 43 Resp: 55863
 Ion Ratio Lower Upper
 43 100
 58 16.0 13.3 19.9

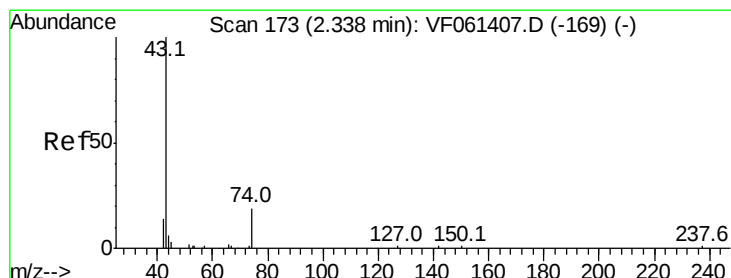
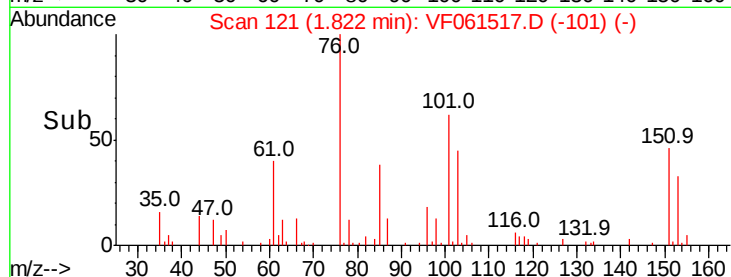
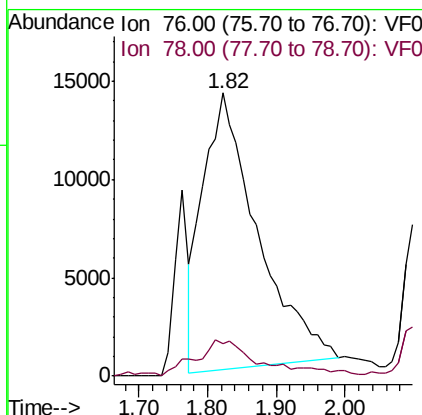
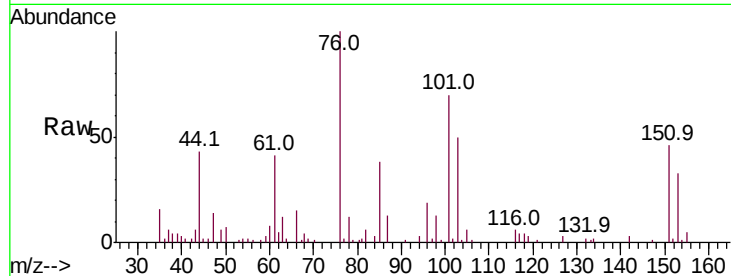




#17
Carbon Disulfide
Concen: 15.492 ug/l
RT: 1.82 min Scan# 121
Delta R.T. -0.00 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

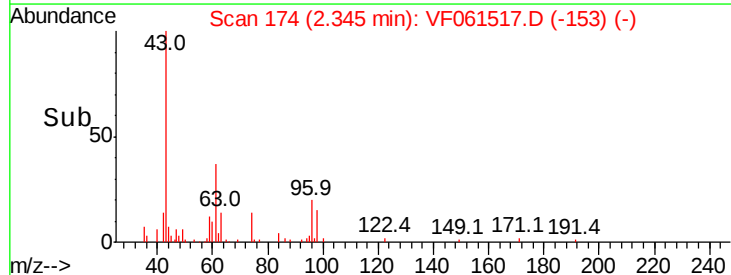
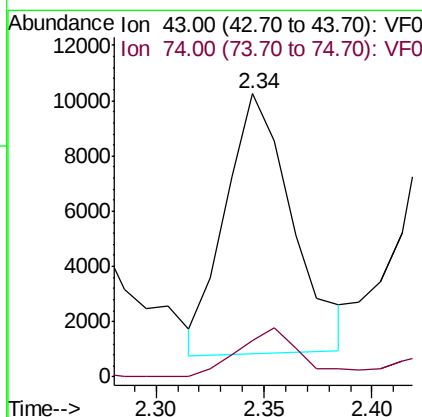
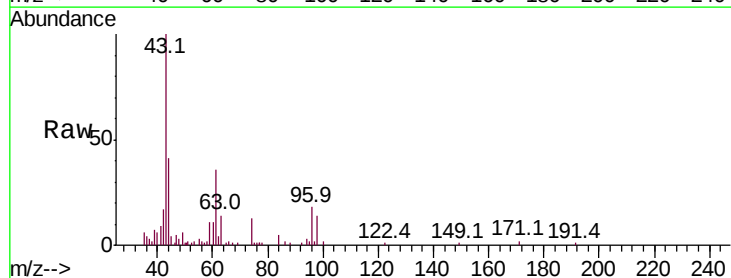
Instrument :
MSVOA_F
ClientSampleId :

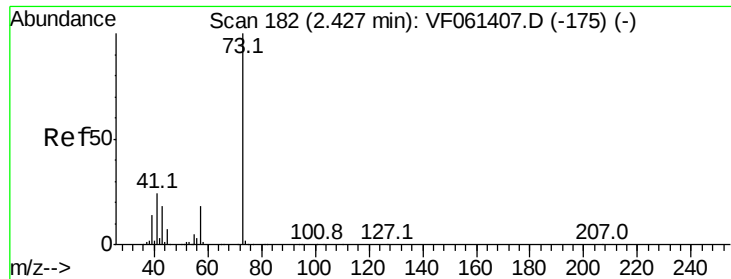
Tot Ion: 76 Resp: 77312
Ion Ratio Lower Upper
76 100
78 11.6 9.6 14.4



#18
Methyl Acetate
Concen: 22.794 ug/l
RT: 2.34 min Scan# 174
Delta R.T. 0.01 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Tgt Ion: 43 Resp: 20147
Ion Ratio Lower Upper
43 100
74 12.7 13.4 20.0#

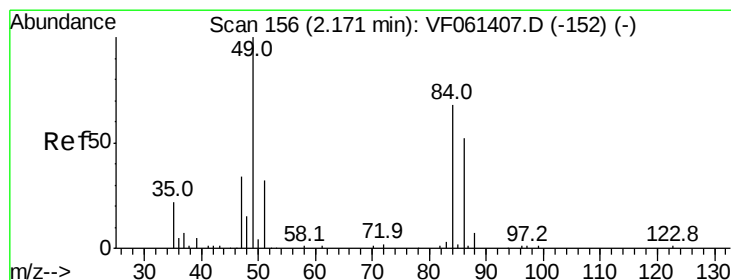
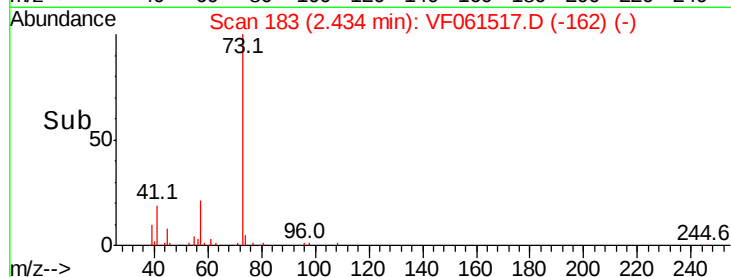
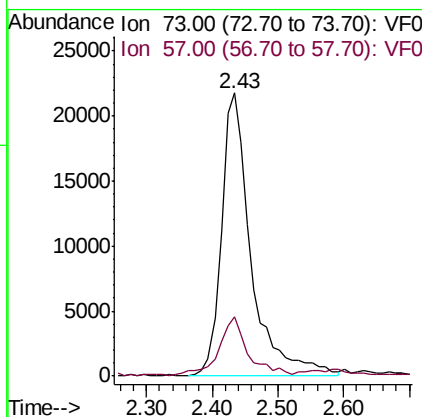
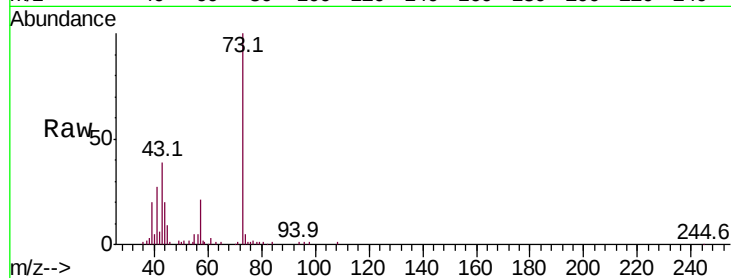




#19
Methyl tert-butyl Ether
Concen: 19.130 ug/l
RT: 2.43 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

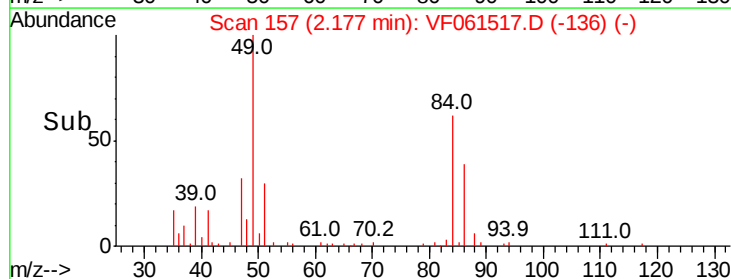
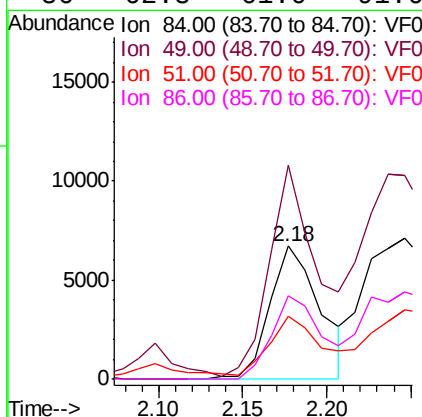
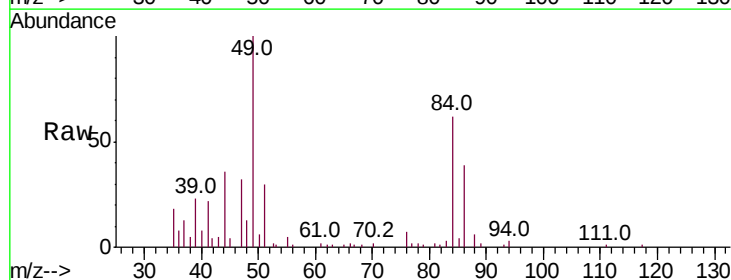
Instrument :
MSVOA_F
ClientSampleId :

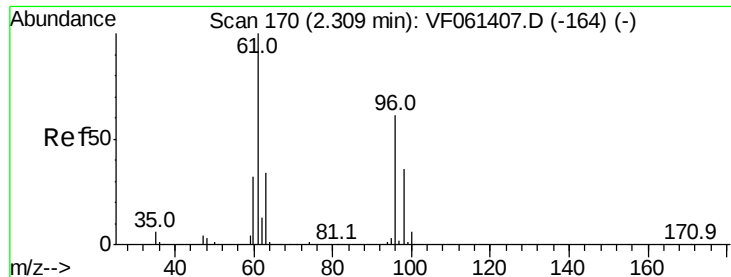
Tot Ion: 73 Resp: 68636
Ion Ratio Lower Upper
73 100
57 21.2 14.8 22.2



#20
Methylene Chloride
Concen: 7.727 ug/l
RT: 2.18 min Scan# 157
Delta R.T. 0.01 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Tgt Ion: 84 Resp: 13939
Ion Ratio Lower Upper
84 100
49 160.9 120.0 180.0
51 47.6 38.6 58.0
86 62.8 61.0 91.6





#21

trans-1,2-Dichloroethene

Concen: 20.439 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :

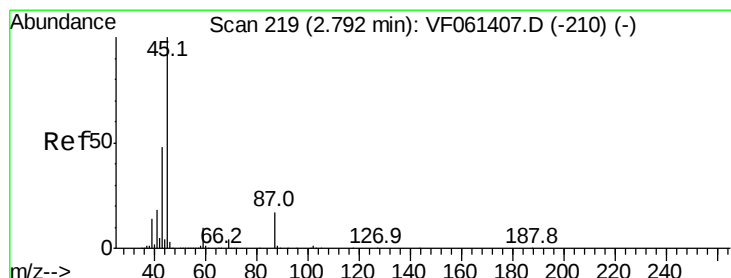
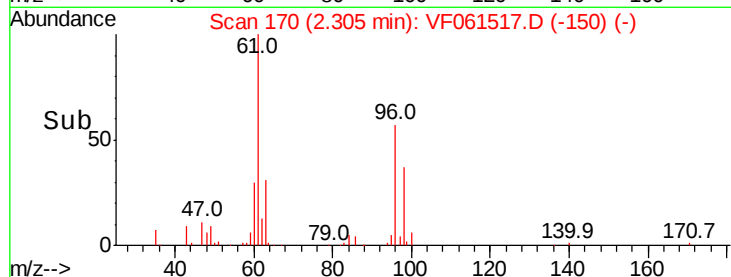
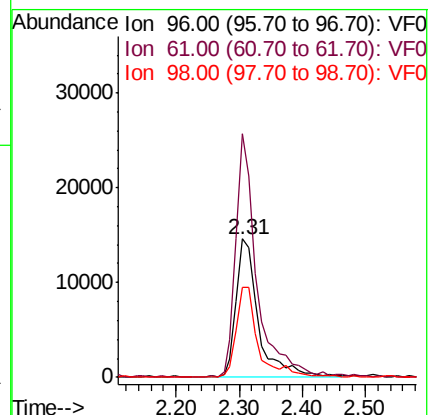
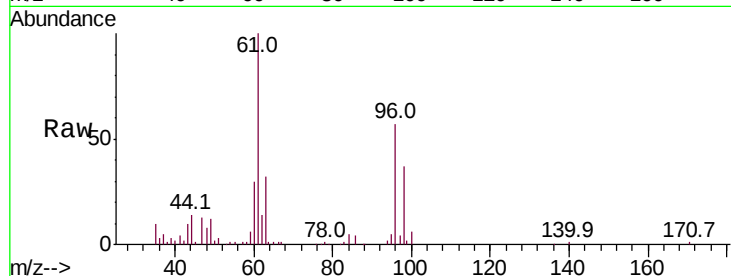
Tot Ion: 96 Resp: 35991

Ion Ratio Lower Upper

96 100

61 176.3 131.8 197.8

98 65.1 47.4 71.0



#22

Diisopropyl ether

Concen: 21.002 ug/l

RT: 2.80 min Scan# 220

Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Tgt Ion: 45 Resp: 119619

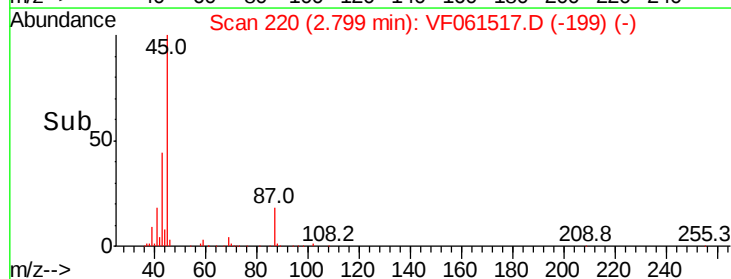
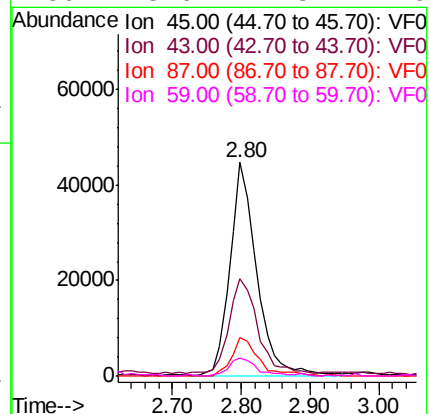
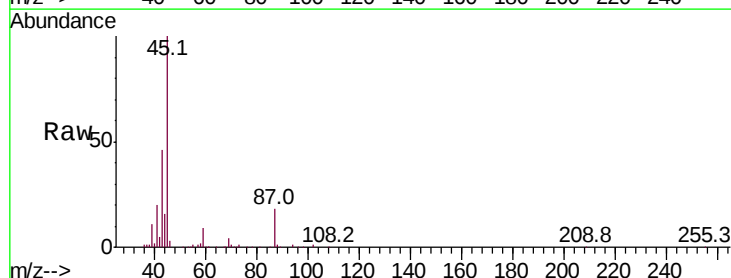
Ion Ratio Lower Upper

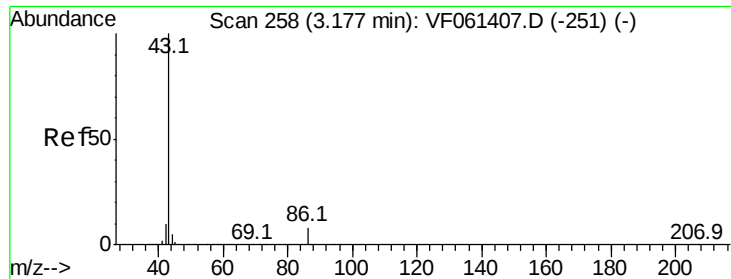
45 100

43 45.8 39.0 58.6

87 17.9 13.9 20.9

59 8.6 7.8 11.6





#23

Vinyl Acetate

Concen: 117.529 ug/l

RT: 3.19 min Scan# 260

Delta R.T. 0.02 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :

MSVOA_F

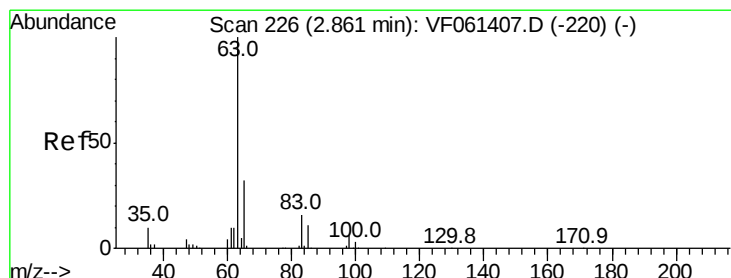
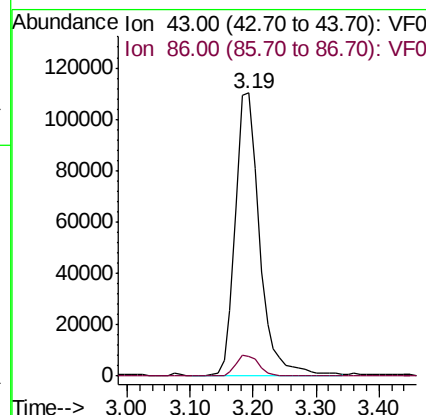
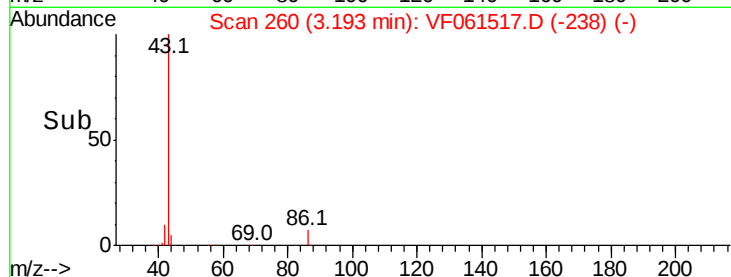
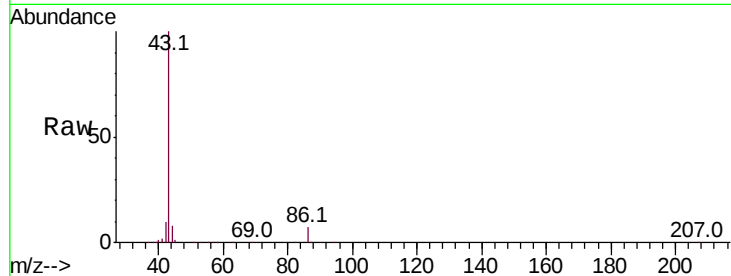
ClientSampled :

Tot Ion: 43 Resp: 290134

Ion Ratio Lower Upper

43 100

86 6.8 6.2 9.4



#24

1,1-Dichloroethane

Concen: 19.915 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

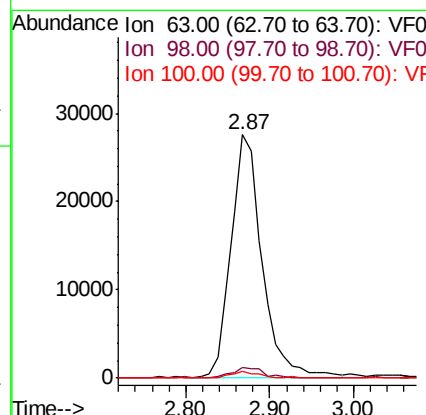
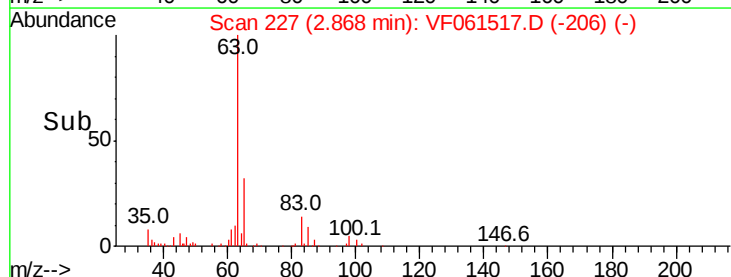
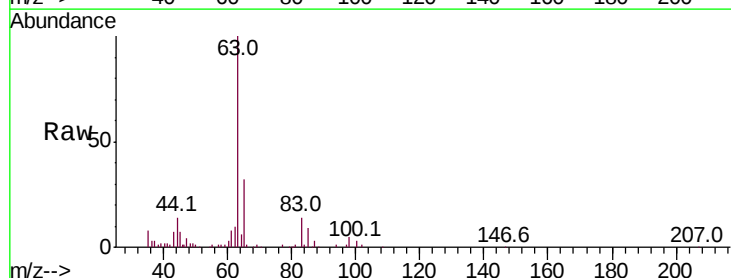
Tgt Ion: 63 Resp: 71189

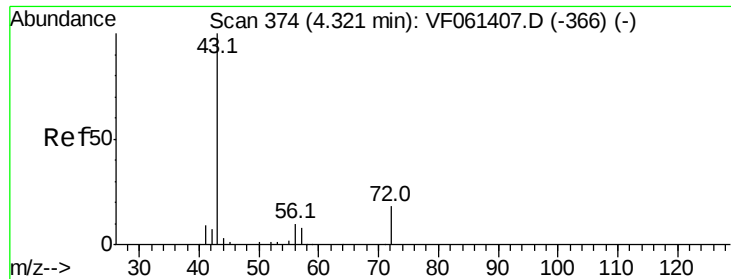
Ion Ratio Lower Upper

63 100

98 4.6 2.9 8.8

100 2.9 1.6 4.8





#25

2-Butanone

Concen: 122.211 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.02 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

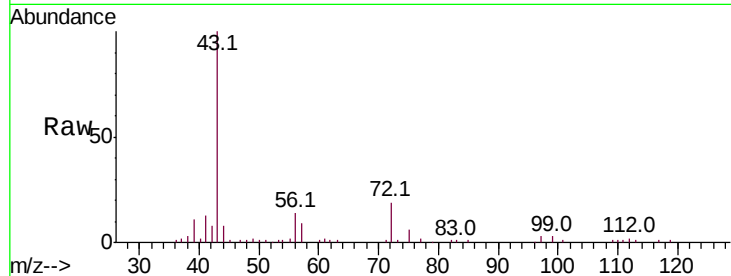
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 90580

Ion Ratio Lower Upper

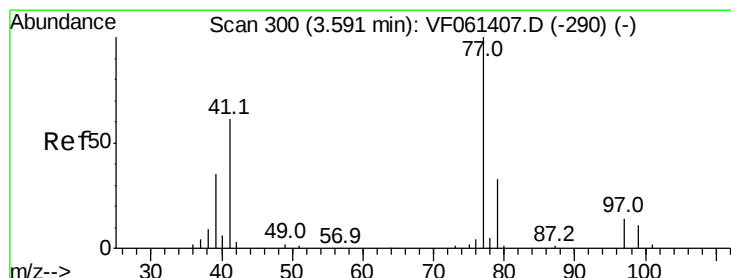
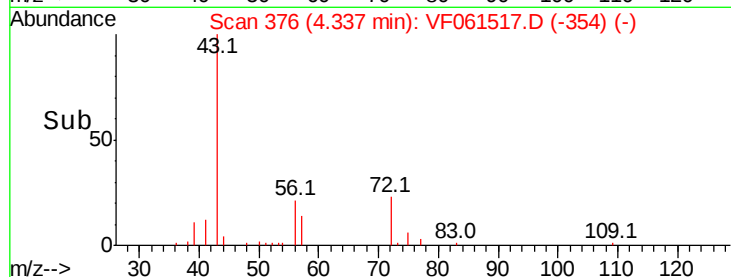
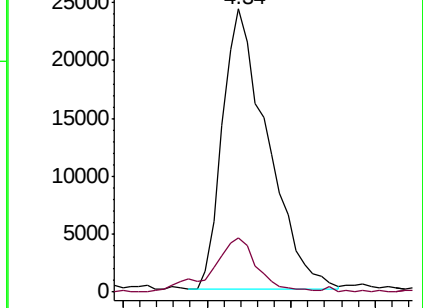
43 100

72 19.4 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 19.749 ug/l

RT: 3.60 min Scan# 301

Delta R.T. 0.01 min

Lab File: VF061517.D

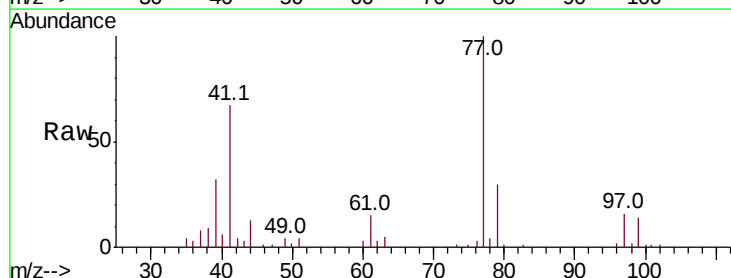
Acq: 25 Jan 2019 13:13

Tgt Ion: 77 Resp: 43373

Ion Ratio Lower Upper

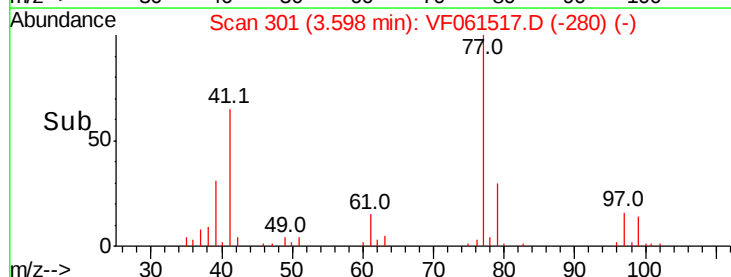
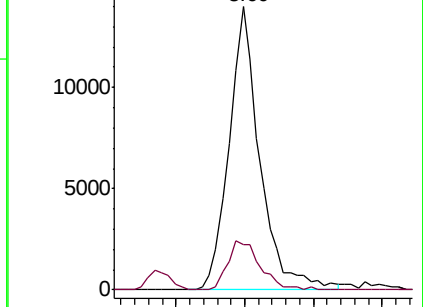
77 100

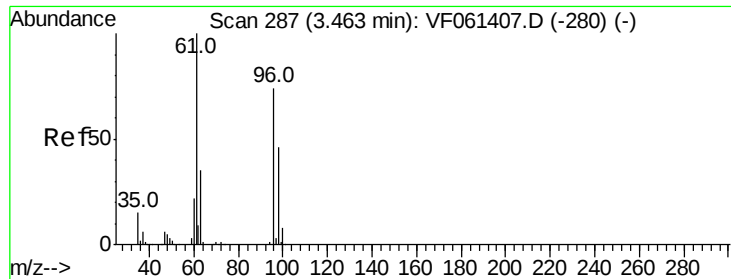
97 15.8 8.5 25.5



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



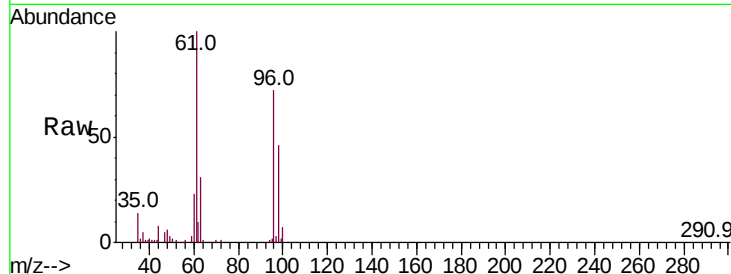


#27

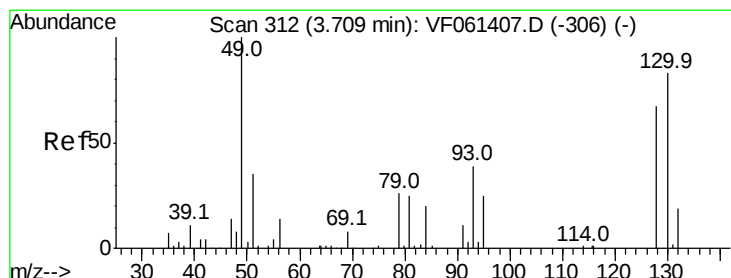
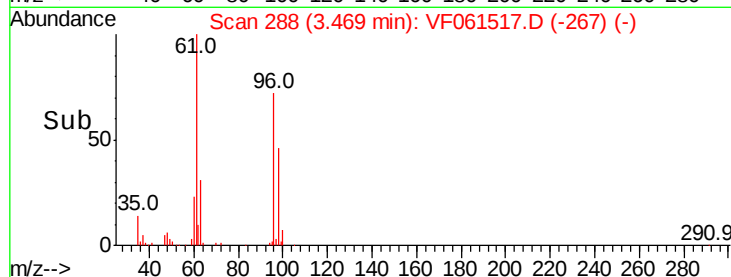
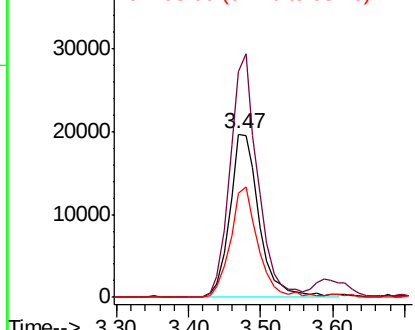
cis-1,2-Dichloroethene
Concen: 21.555 ug/l
RT: 3.47 min Scan# 288
Delta R.T. 0.01 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.1	0.0	270.2
98	63.7	0.0	124.0



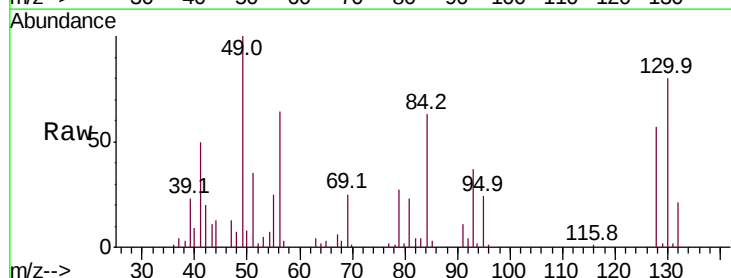
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



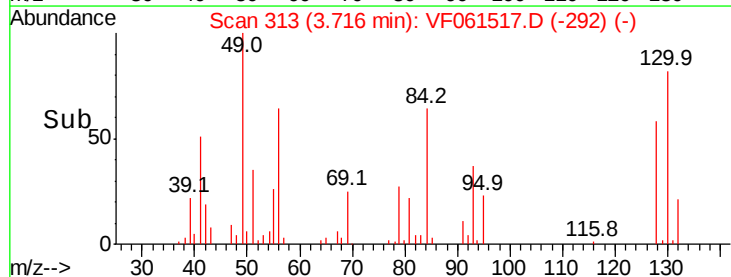
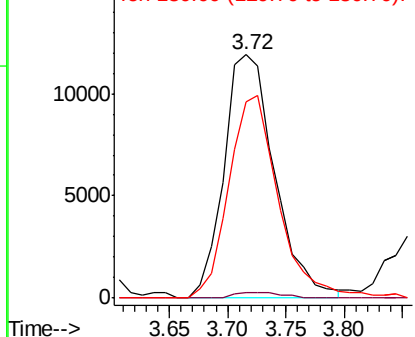
#28

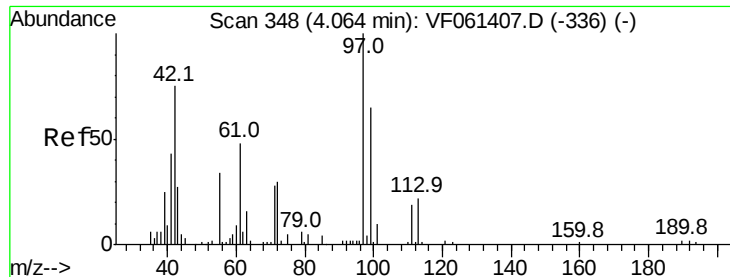
Bromochloromethane
Concen: 22.357 ug/l
RT: 3.72 min Scan# 313
Delta R.T. 0.01 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	0.0#
130	80.5	65.4	98.2



Abundance Ion 49.00 (48.70 to 49.70): VF0
Ion 129.00 (128.70 to 129.70): V
Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 113.960 ug/l

RT: 4.08 min Scan# 350

Delta R.T. 0.02 min

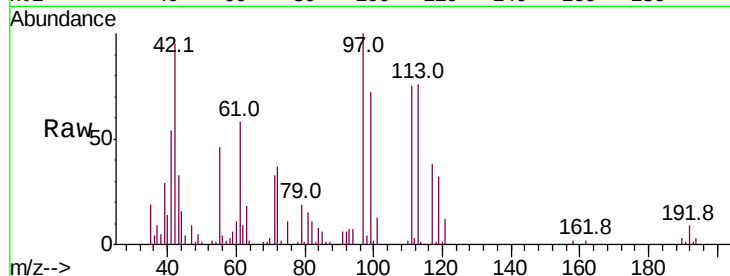
Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 42 Resp: 36370

Ion	Ratio	Lower	Upper
42	100		
72	37.3	28.9	43.3
71	35.0	29.6	44.4



Abundance

Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

15000

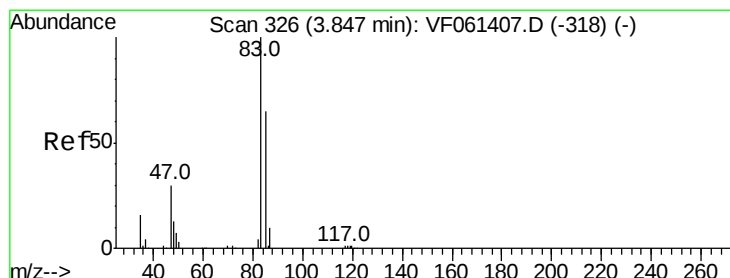
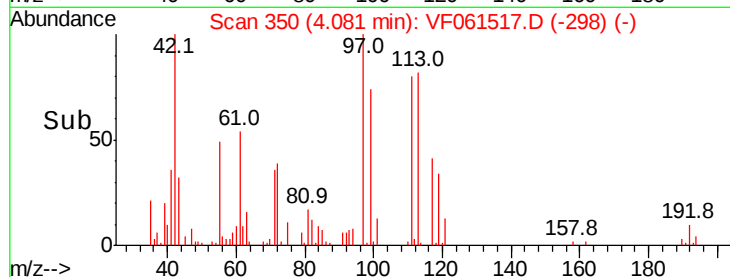
10000

5000

0

4.00 4.10 4.20

Time-->



#30

Chloroform

Concen: 21.572 ug/l

RT: 3.86 min Scan# 328

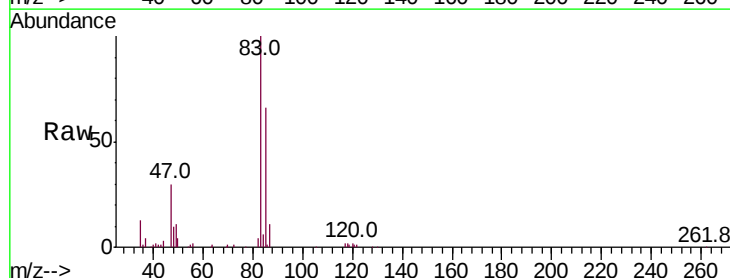
Delta R.T. 0.02 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Tgt Ion: 83 Resp: 104066

Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.7	79.1



Abundance

Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

40000

30000

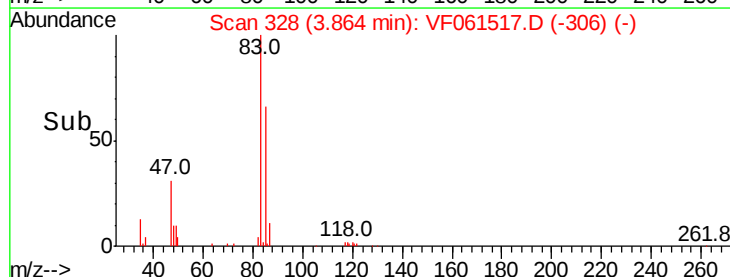
20000

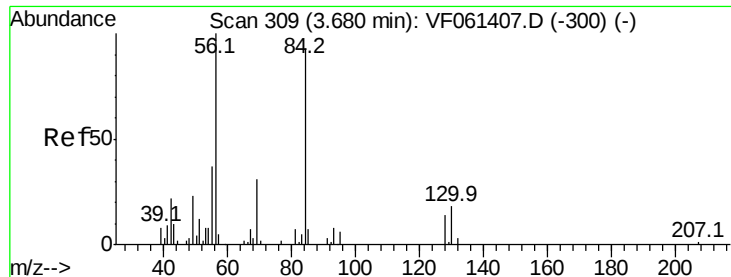
10000

0

3.70 3.80 3.90 4.00

Time-->





#31

Cyclohexane

Concen: 12.833 ug/l

RT: 3.69 min Scan# 310

Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :

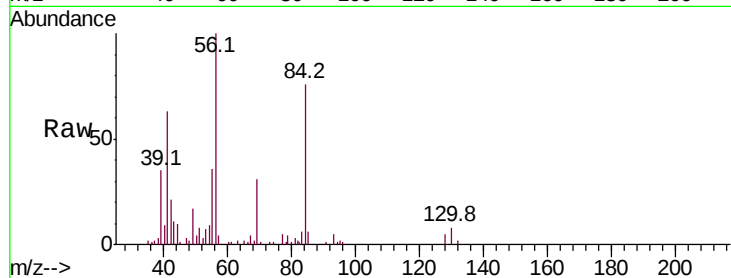
Tot Ion: 56 Resp: 45824

Ion Ratio Lower Upper

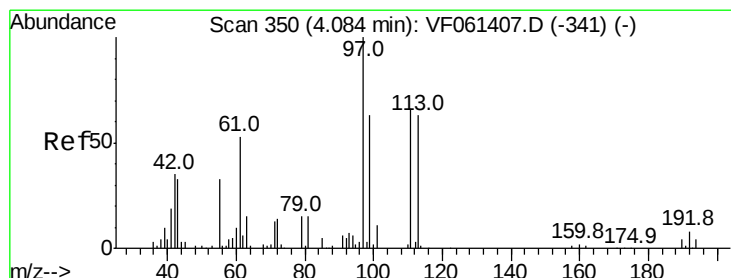
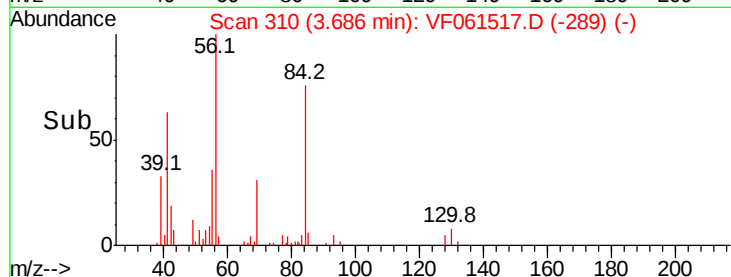
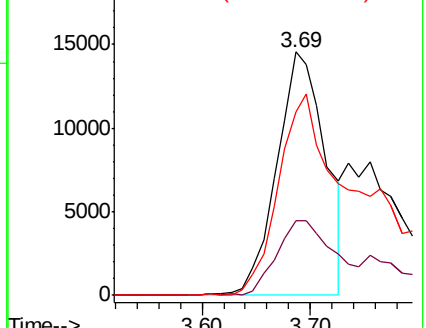
56 100

69 30.6 24.6 36.8

84 75.6 74.2 111.2



Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 20.327 ug/l

RT: 4.09 min Scan# 351

Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

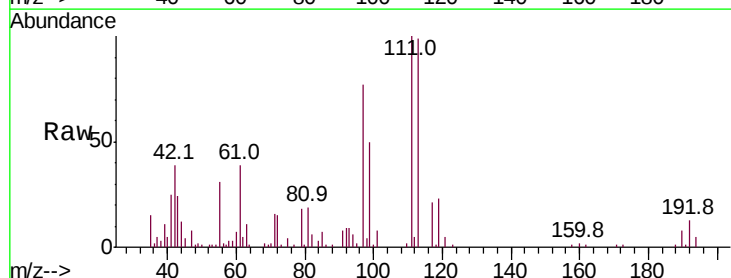
Tgt Ion: 97 Resp: 71904

Ion Ratio Lower Upper

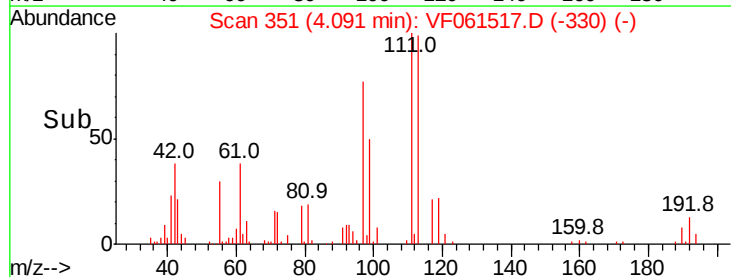
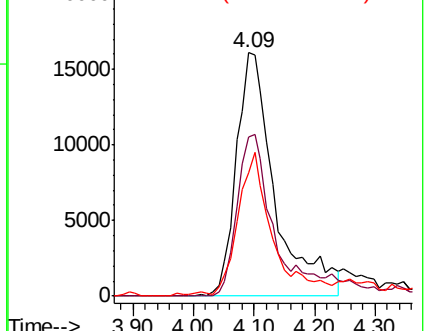
97 100

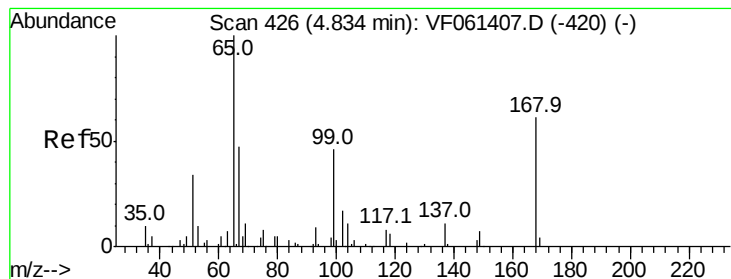
99 65.4 50.1 75.1

61 50.4 43.1 64.7



Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 50.258 ug/l

RT: 4.84 min Scan# 427

Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :

MSVOA_F

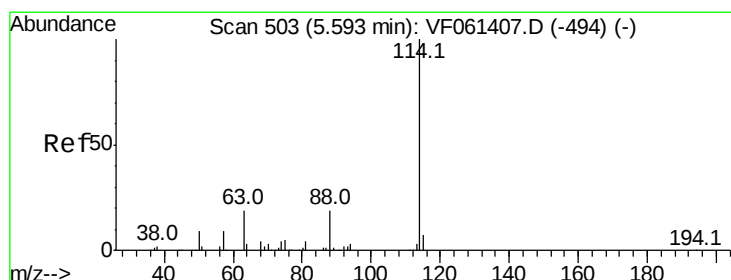
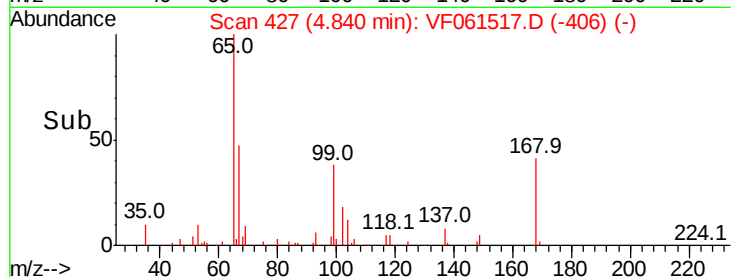
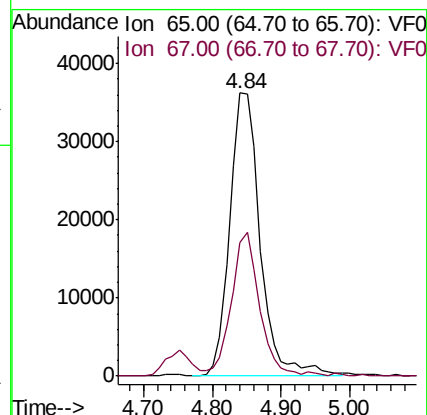
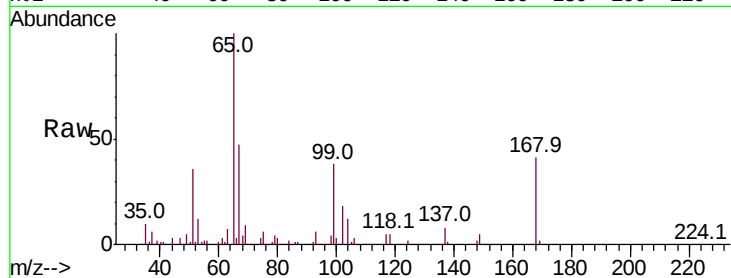
ClientSampleId :

Tot Ion: 65 Resp: 111659

Ion Ratio Lower Upper

65 100

67 47.0 0.0 99.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

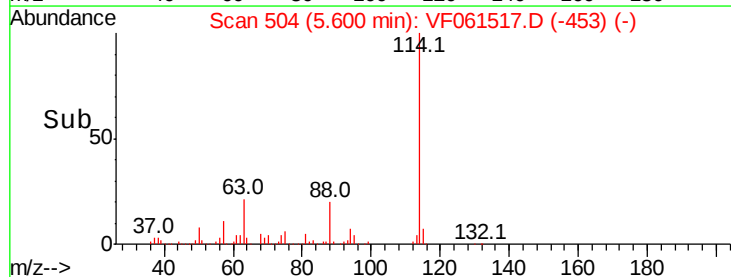
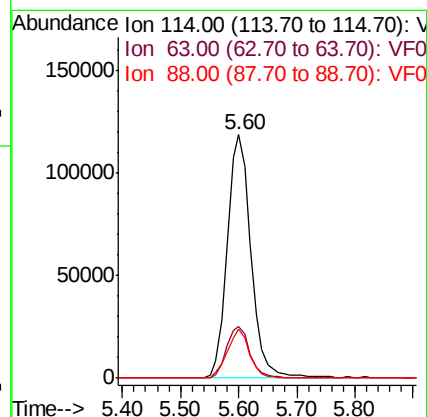
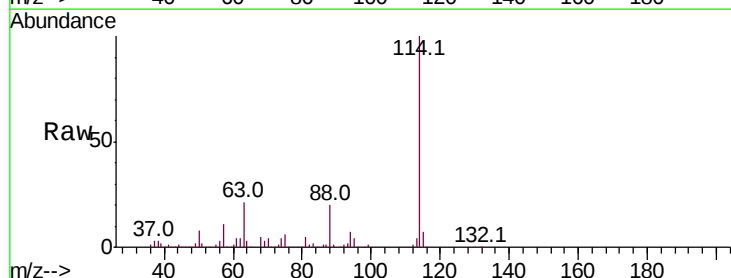
Tgt Ion: 114 Resp: 334454

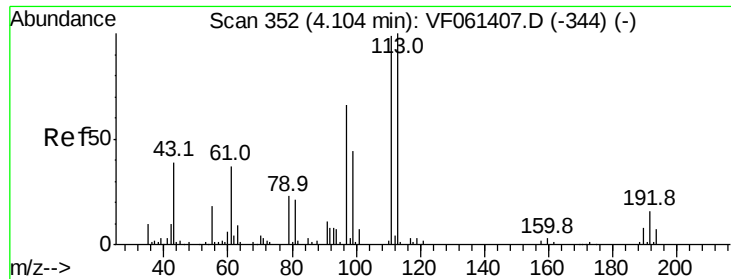
Ion Ratio Lower Upper

114 100

63 21.2 0.0 39.0

88 20.0 0.0 37.4





#35

Dibromofluoromethane

Concen: 48.143 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.02 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :

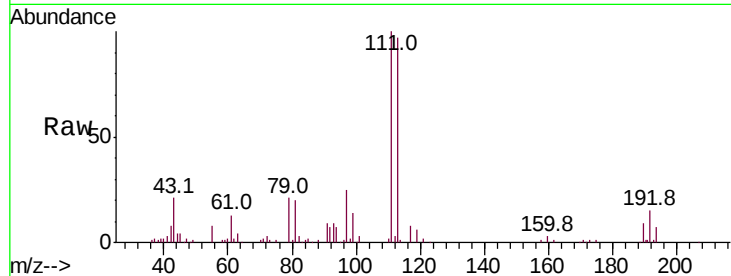
Tot Ion:113 Resp: 127055

Ion Ratio Lower Upper

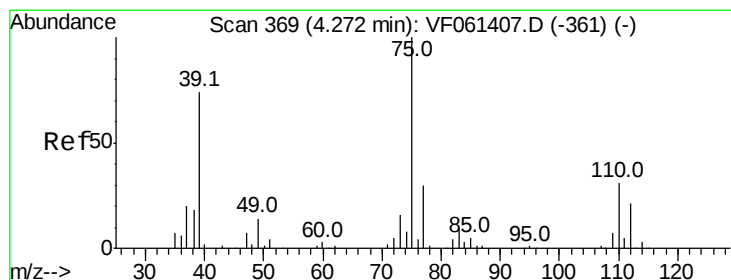
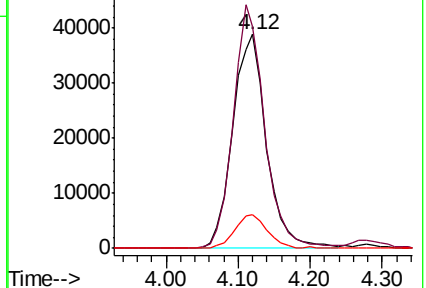
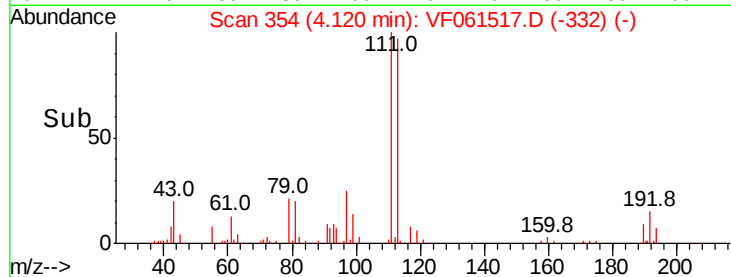
113 100

111 103.6 79.4 119.0

192 16.0 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: 19.195 ug/l

RT: 4.28 min Scan# 370

Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

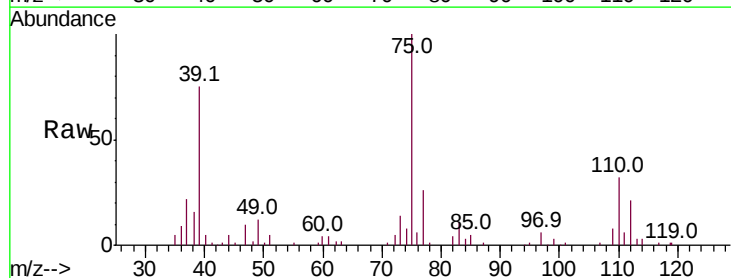
Tgt Ion: 75 Resp: 74436

Ion Ratio Lower Upper

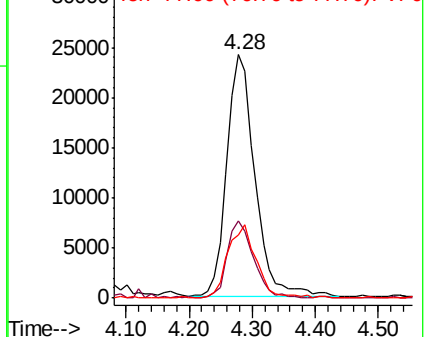
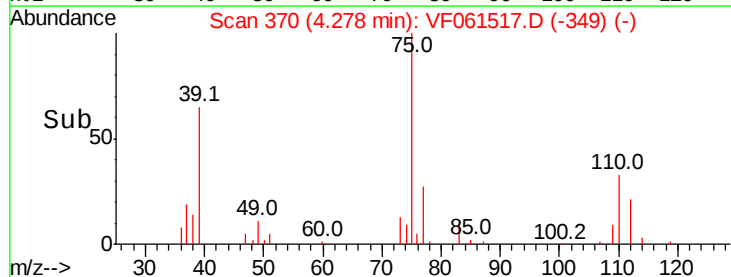
75 100

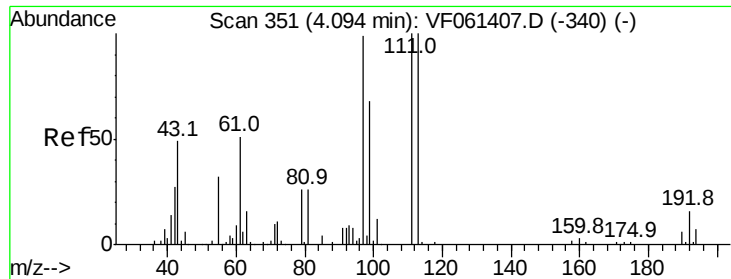
110 31.6 15.8 47.3

77 26.1 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

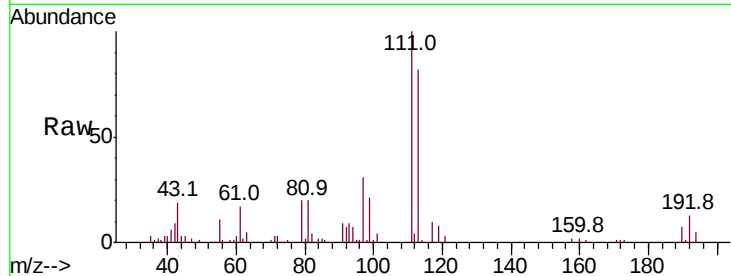




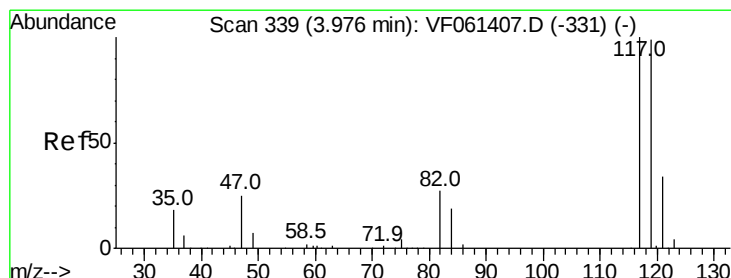
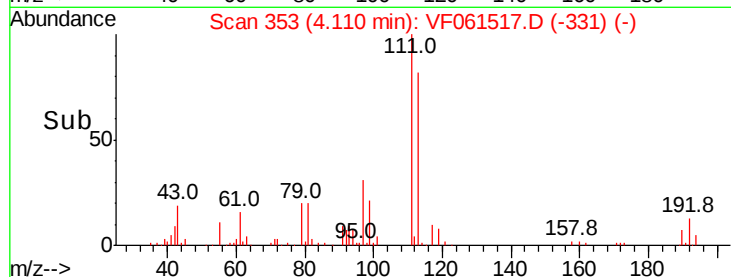
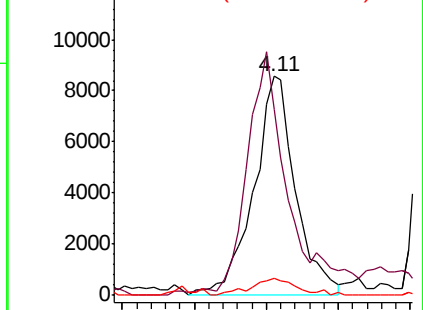
#37
Ethyl Acetate
Concen: 22.335 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.02 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 34622
Ion Ratio Lower Upper
43 100
61 85.2 81.7 122.5
70 7.7 6.2 9.2

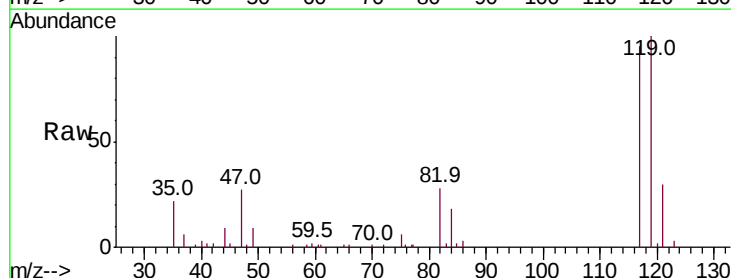


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

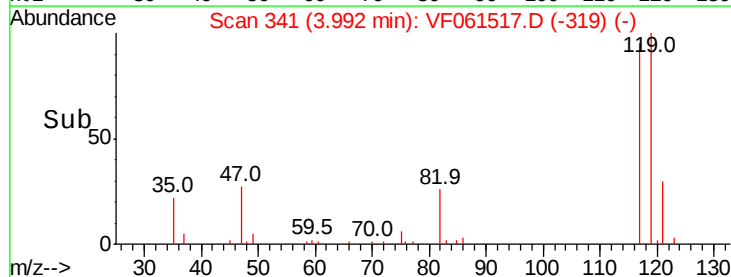
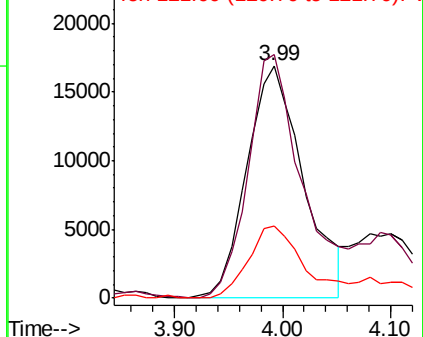


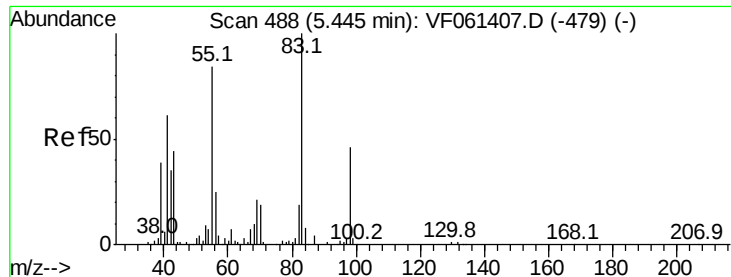
#38
Carbon Tetrachloride
Concen: 18.284 ug/l
RT: 3.99 min Scan# 341
Delta R.T. 0.02 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Tgt Ion: 117 Resp: 61985
Ion Ratio Lower Upper
117 100
119 104.8 79.0 118.6
121 31.3 27.0 40.6



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

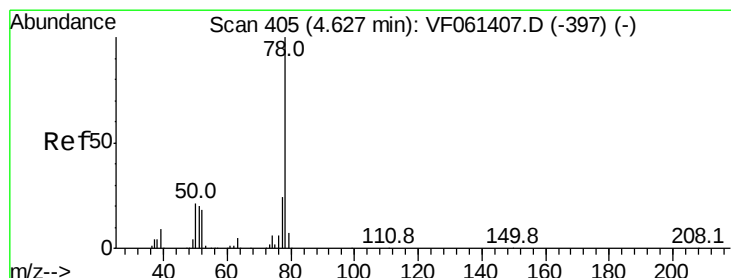
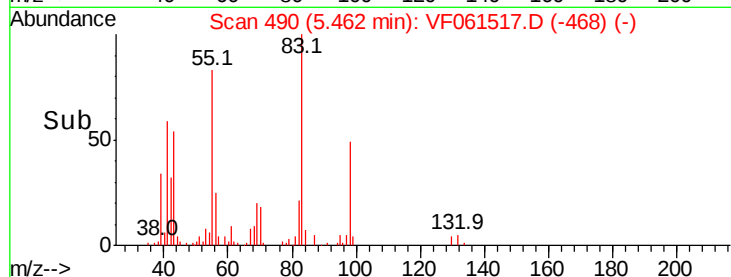
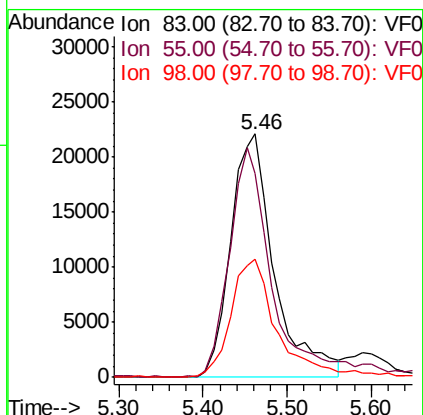
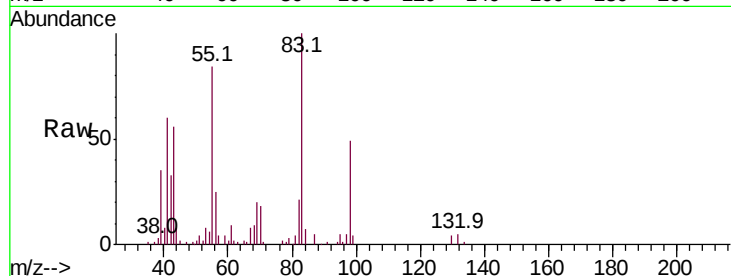




#39
Methvlcvclohexane
Concen: 18.930 ug/l
RT: 5.46 min Scan# 490
Delta R.T. 0.02 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

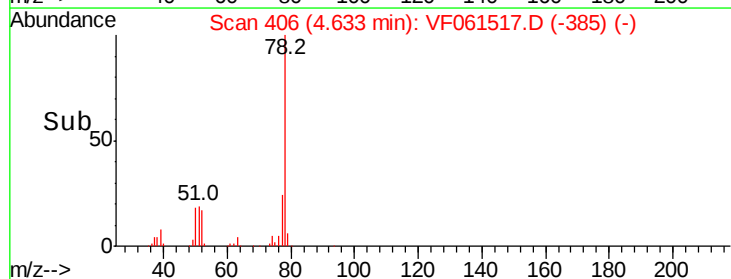
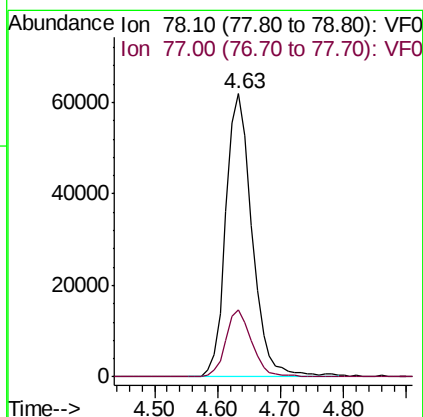
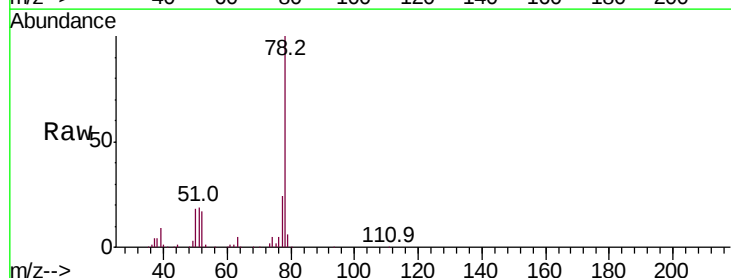
Instrument :
MSVOA_F
ClientSampleId :

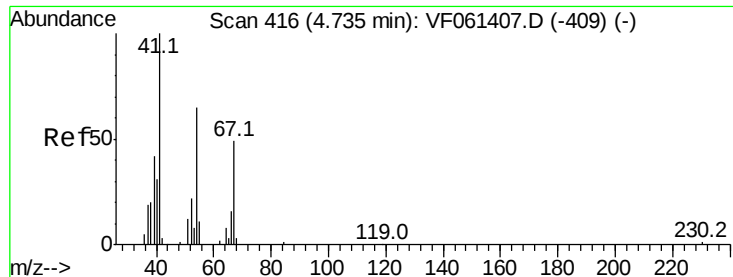
Tot Ion: 83 Resp: 79554
Ion Ratio Lower Upper
83 100
55 83.6 67.4 101.2
98 48.5 36.7 55.1



#40
Benzene
Concen: 20.770 ug/l
RT: 4.63 min Scan# 406
Delta R.T. 0.01 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Tgt Ion: 78 Resp: 179220
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.6





#41

Methacrylonitrile

Concen: 21.273 ug/l

RT: 4.74 min Scan# 417

Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 41 Resp: 17546

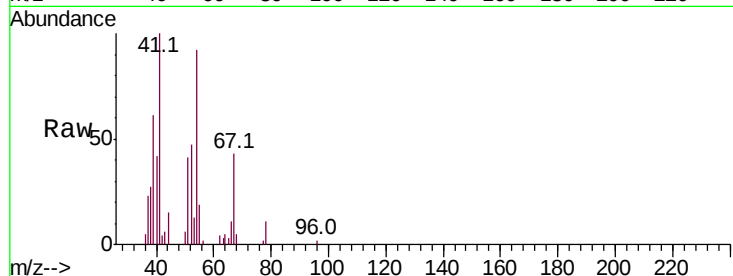
Ion Ratio Lower Upper

41 100

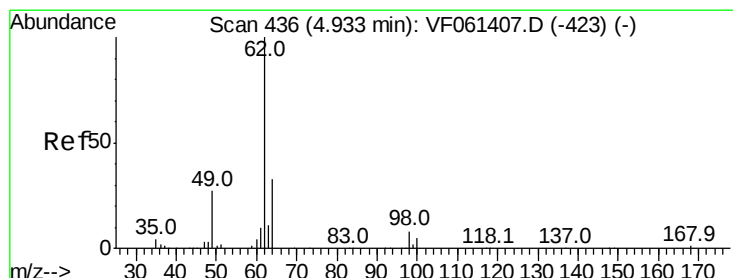
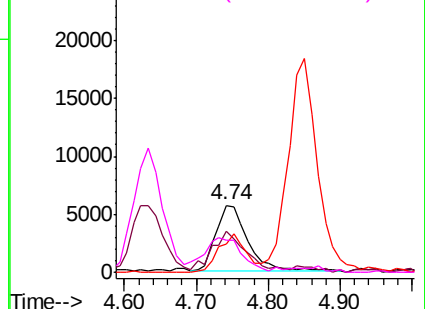
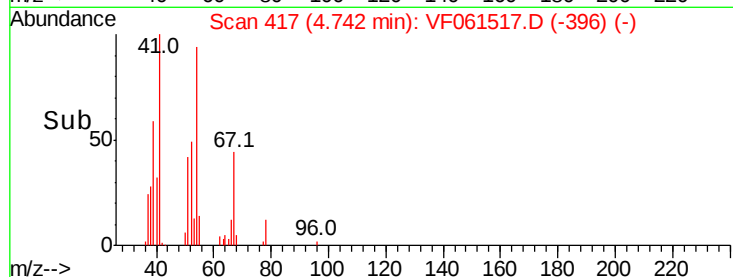
39 61.2 43.1 64.7

67 43.0 38.8 58.2

52 47.4 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: 20.162 ug/l

RT: 4.95 min Scan# 438

Delta R.T. 0.02 min

Lab File: VF061517.D

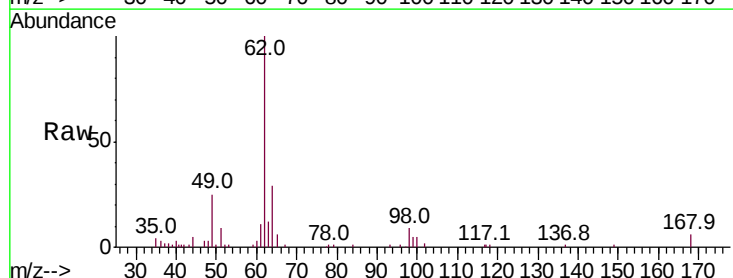
Acq: 25 Jan 2019 13:13

Tgt Ion: 62 Resp: 61995

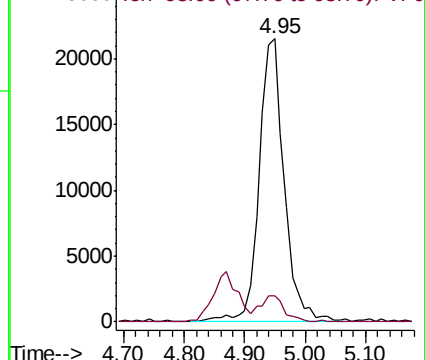
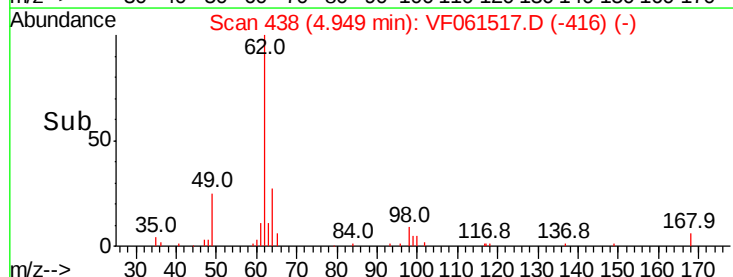
Ion Ratio Lower Upper

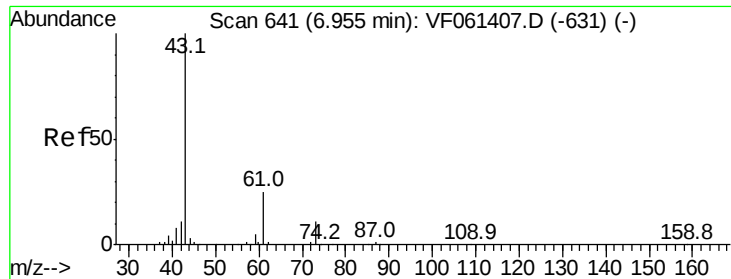
62 100

98 9.1 0.0 17.0



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



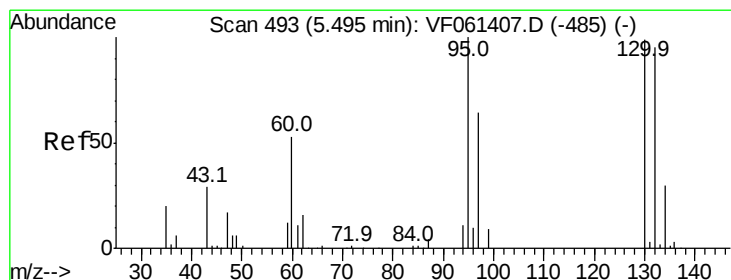
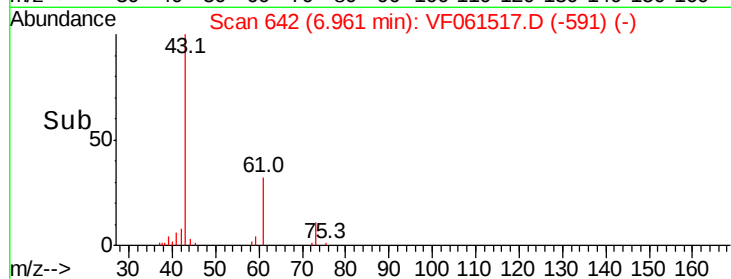
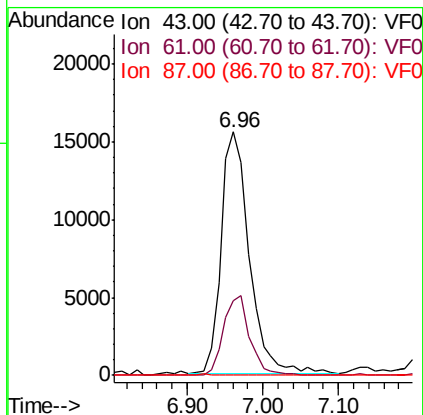
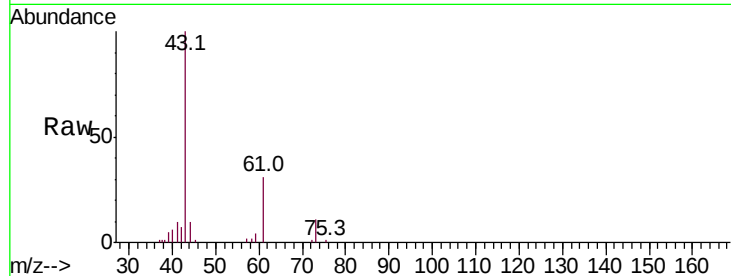


#43

Isopropyl Acetate
 Concen: 20.573 ug/l
 RT: 6.96 min Scan# 642
 Delta R.T. 0.01 min
 Lab File: VF061517.D
 Acq: 25 Jan 2019 13:13

Instrument :
 MSVOA_F
 ClientSampleId :

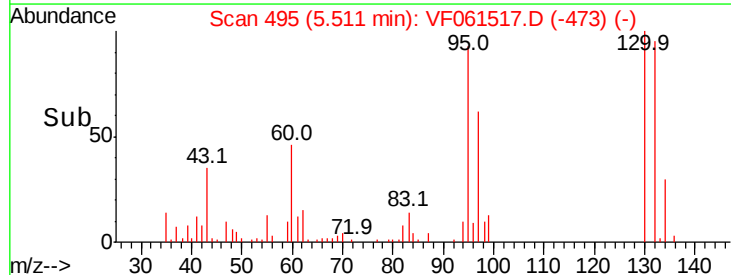
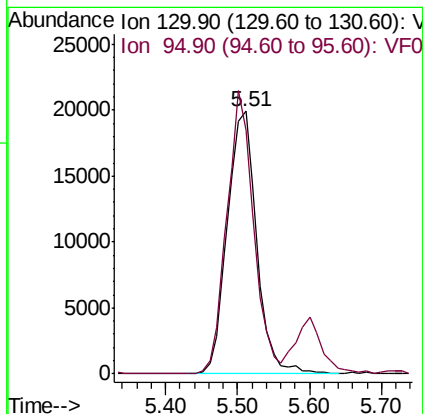
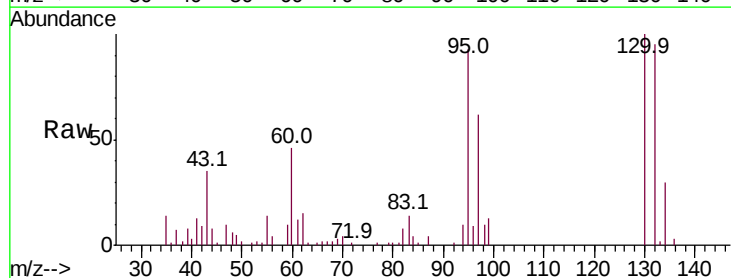
Tot Ion	43	Resp	40024
Ion Ratio	100	Lower	Upper
61	30.6	20.3	30.5#
87	0.0	0.5	0.7#

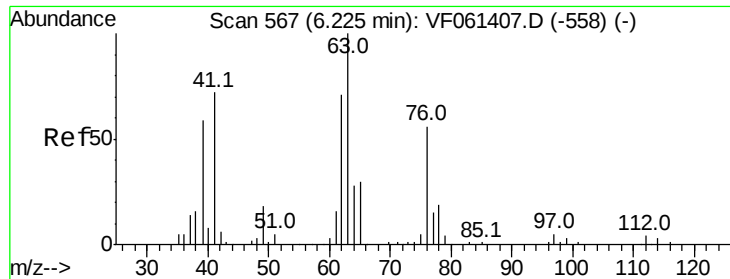


#44

Trichloroethene
 Concen: 21.322 ug/l
 RT: 5.51 min Scan# 495
 Delta R.T. 0.02 min
 Lab File: VF061517.D
 Acq: 25 Jan 2019 13:13

Tgt Ion	130	Resp	56441
Ion Ratio	100	Lower	Upper
95	92.9	0.0	202.8





#45

1,2-Dichloropropane

Concen: 19.747 ug/l

RT: 6.24 min Scan# 569

Delta R.T. 0.02 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :

MSVOA_F

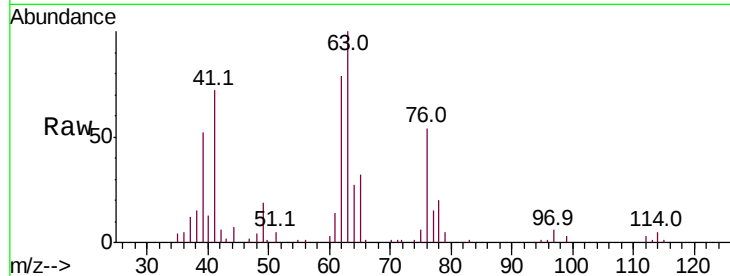
ClientSampleId :

Tot Ion: 63 Resp: 44721

Ion Ratio Lower Upper

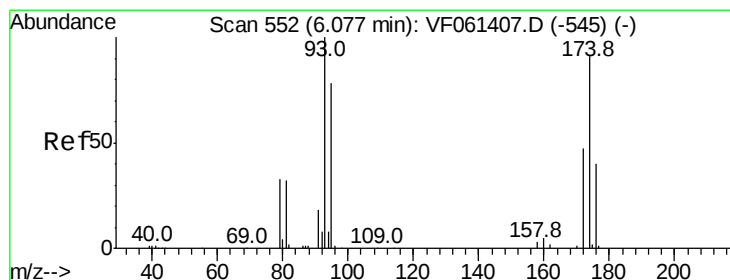
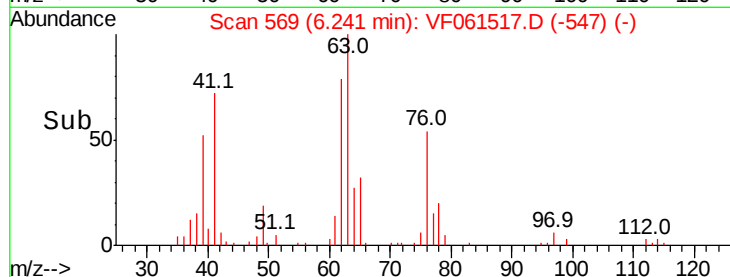
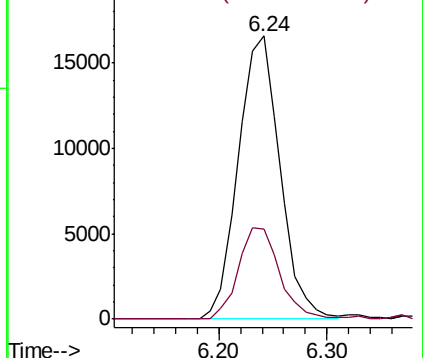
63 100

65 31.7 24.4 36.6



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 19.496 ug/l

RT: 6.08 min Scan# 553

Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

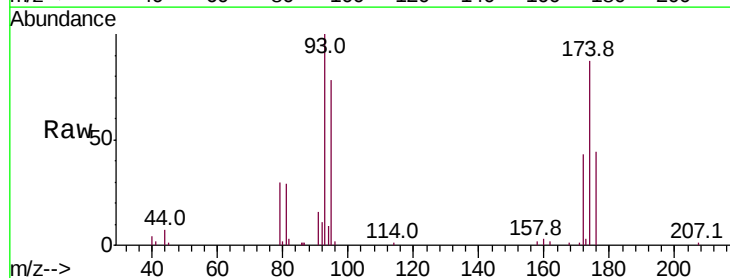
Tgt Ion: 93 Resp: 29359

Ion Ratio Lower Upper

93 100

95 78.3 62.1 93.1

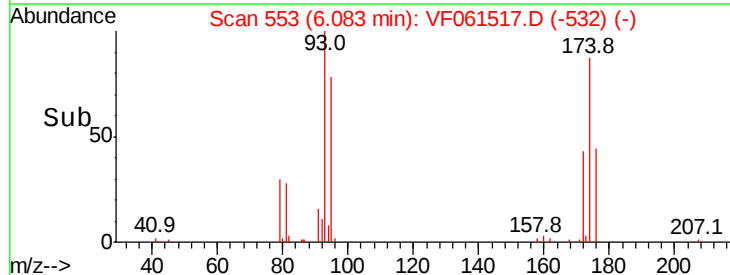
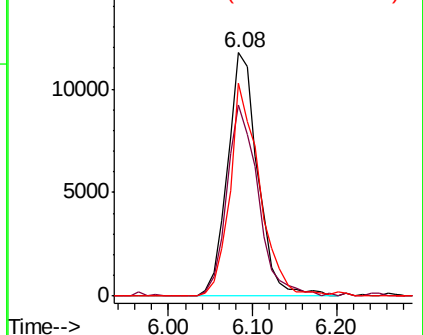
174 87.3 74.6 111.8

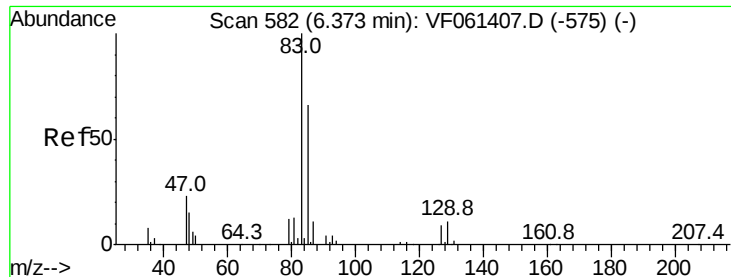


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 20.644 ug/l

RT: 6.39 min Scan# 584

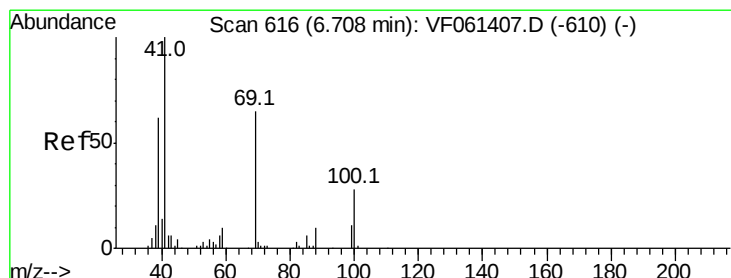
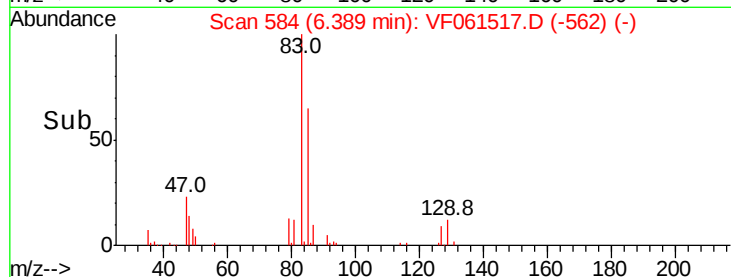
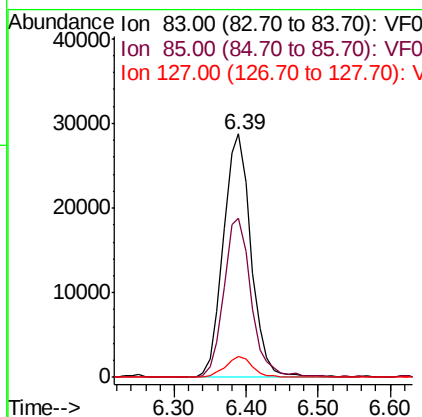
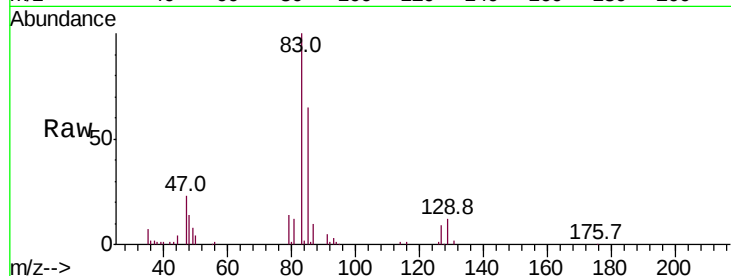
Delta R.T. 0.02 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	83	Resp:	76917
Ion	Ratio	Lower	Upper
83	100		
85	65.3	53.0	79.4
127	8.8	6.9	10.3



#48

Methyl methacrylate

Concen: 20.851 ug/l

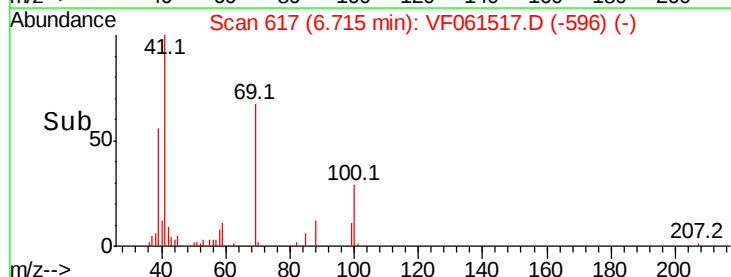
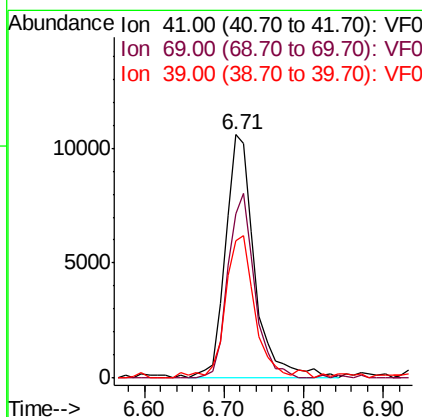
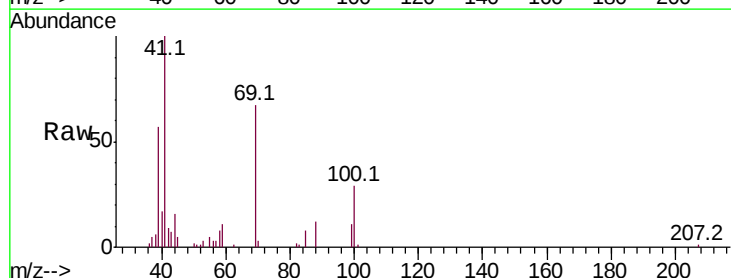
RT: 6.71 min Scan# 617

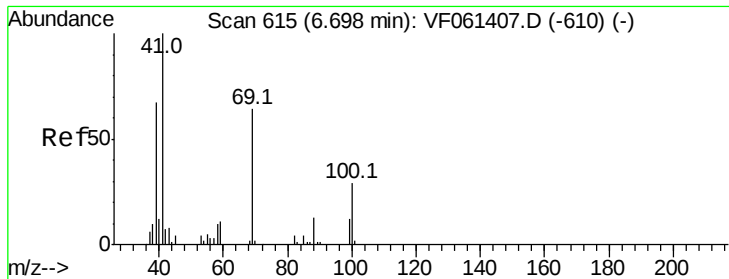
Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Tgt Ion:	41	Resp:	27240
Ion	Ratio	Lower	Upper
41	100		
69	67.3	51.7	77.5
39	56.6	49.2	73.8





#49

1,4-Dioxane

Concen: 427.994 ug/l

RT: 6.71 min Scan# 617

Delta R.T. 0.02 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :

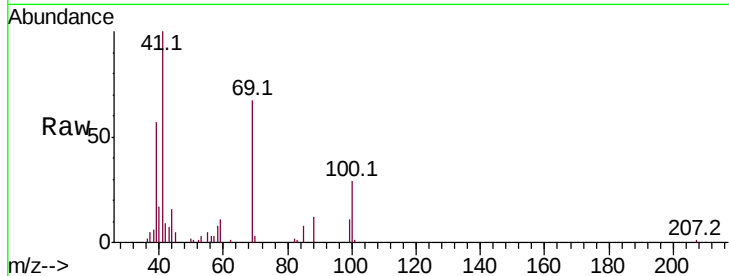
Tot Ion: 88 Resp: 4265

Ion Ratio Lower Upper

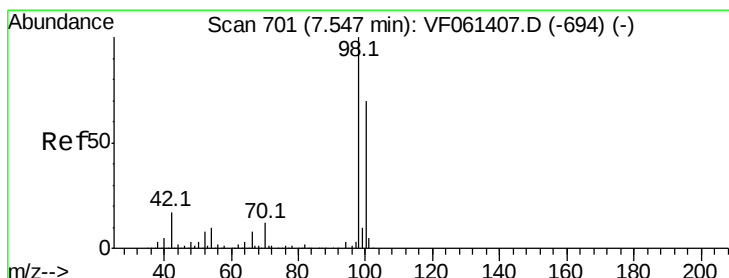
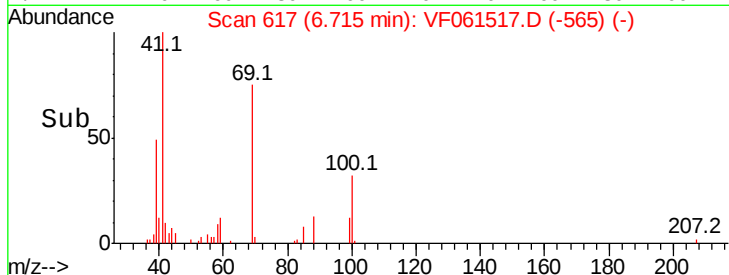
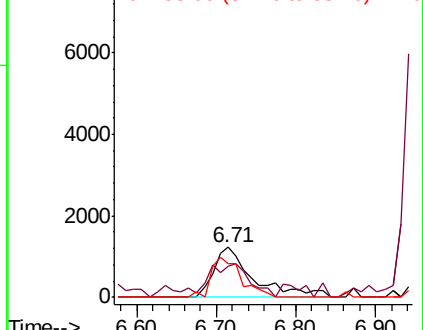
88 100

43 63.6 55.5 83.3

58 67.8 59.9 89.9



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



#50

Toluene-d8

Concen: 46.016 ug/l

RT: 7.55 min Scan# 702

Delta R.T. 0.01 min

Lab File: VF061517.D

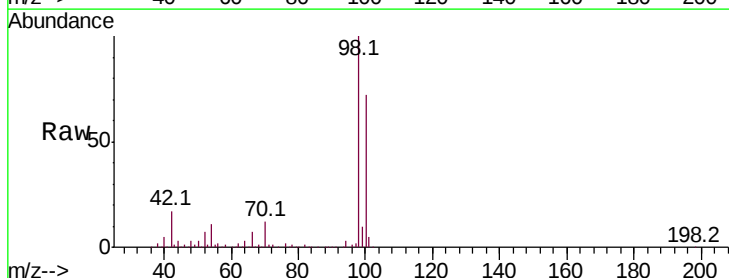
Acq: 25 Jan 2019 13:13

Tgt Ion: 98 Resp: 332727

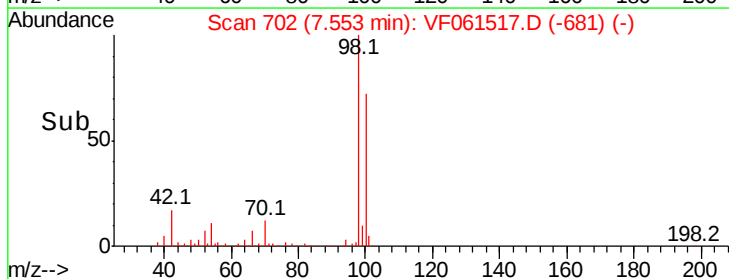
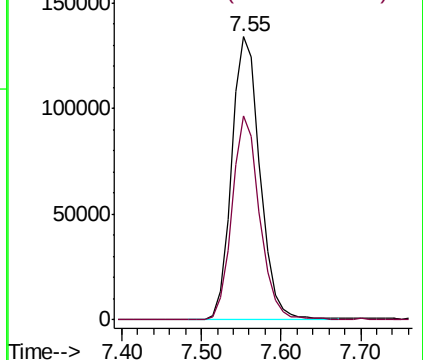
Ion Ratio Lower Upper

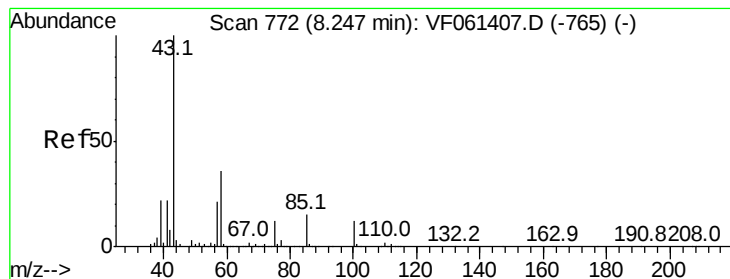
98 100

100 72.3 55.6 83.4



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





#51

4-Methyl-2-Pentanone

Concen: 106.331 ug/l

RT: 8.26 min Scan# 774

Delta R.T. 0.02 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :

MSVOA_F

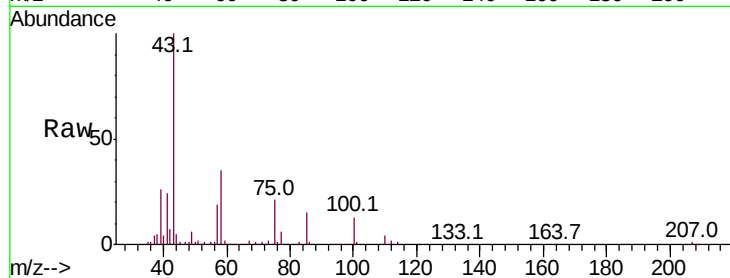
ClientSampleId :

Tot Ion: 43 Resp: 152078

Ion Ratio Lower Upper

43 100

58 34.6 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.26

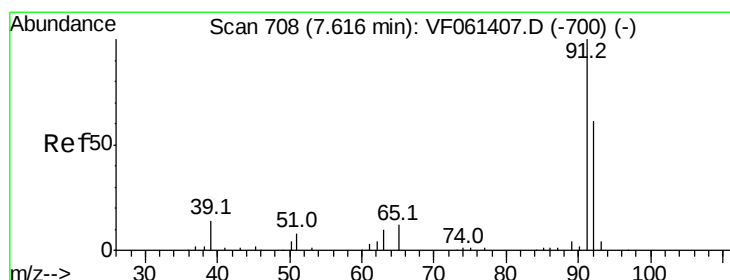
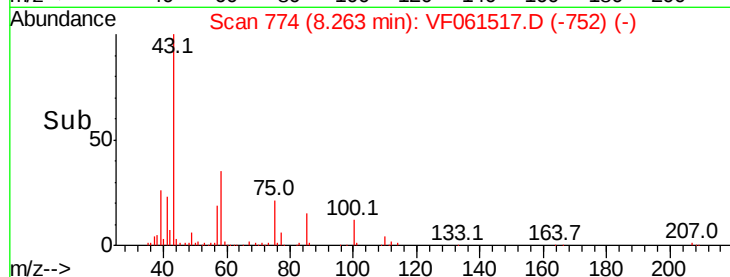
60000

40000

20000

0

Time--> 8.10 8.20 8.30 8.40



#52

Toluene

Concen: 20.093 ug/l

RT: 7.62 min Scan# 709

Delta R.T. 0.01 min

Lab File: VF061517.D

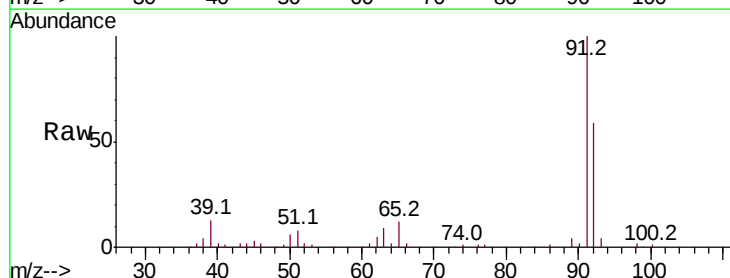
Acq: 25 Jan 2019 13:13

Tgt Ion: 92 Resp: 114179

Ion Ratio Lower Upper

92 100

91 170.8 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.62

100000

80000

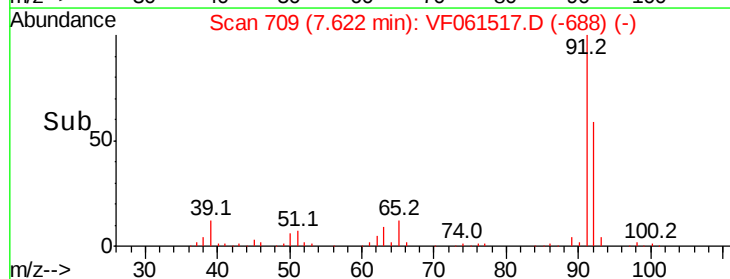
60000

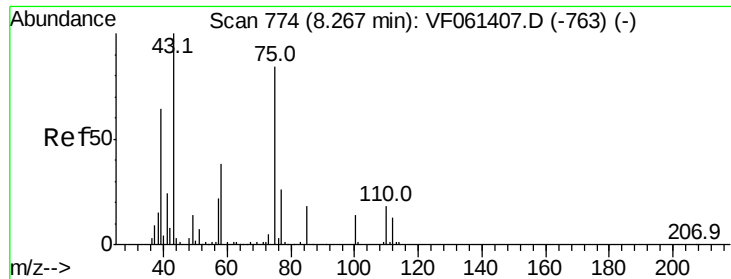
40000

20000

0

Time--> 7.50 7.60 7.70





#53

t-1,3-Dichloropropene

Concen: 20.794 ug/l

RT: 8.28 min Scan# 776

Delta R.T. 0.02 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

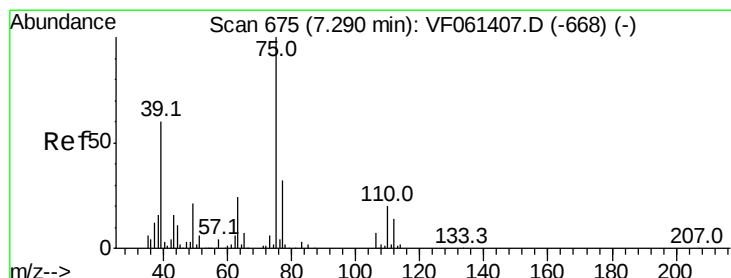
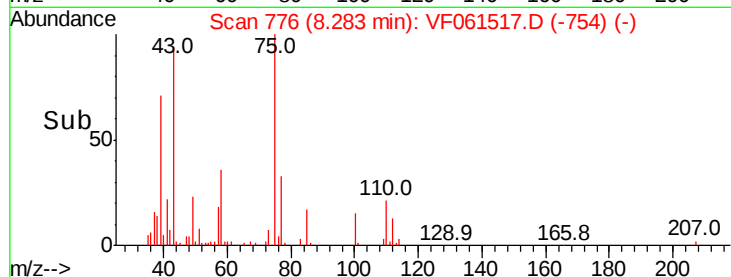
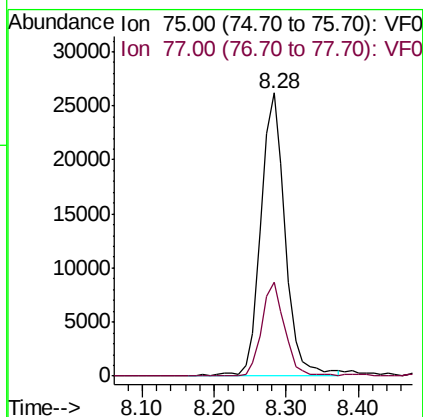
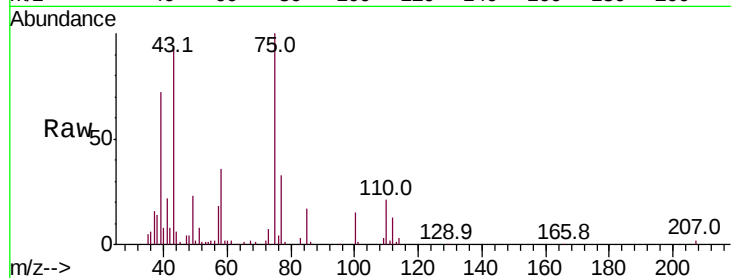
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 61519

Ion Ratio Lower Upper

75 100

77 33.4 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 20.204 ug/l

RT: 7.31 min Scan# 677

Delta R.T. 0.02 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

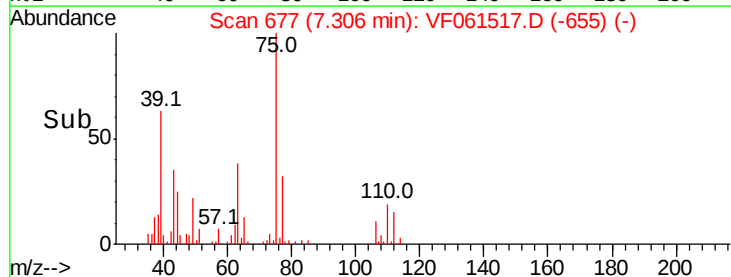
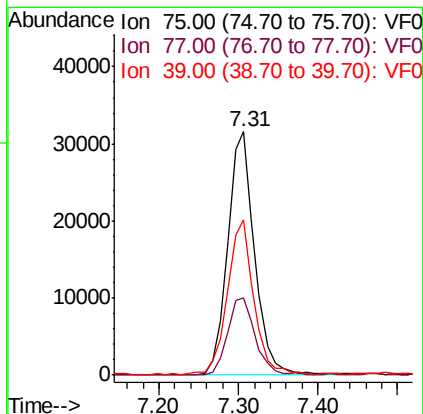
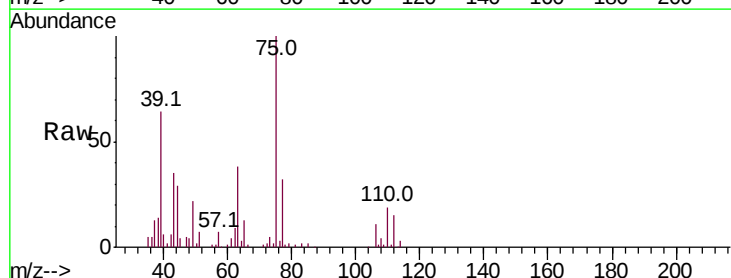
Tgt Ion: 75 Resp: 74717

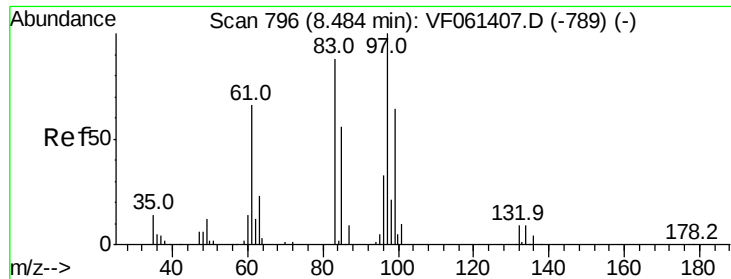
Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0

39 63.6 47.8 71.8





#55

1,1,2-Trichloroethane

Concen: 21.023 ug/l

RT: 8.49 min Scan# 797

Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 97 Resp: 33923

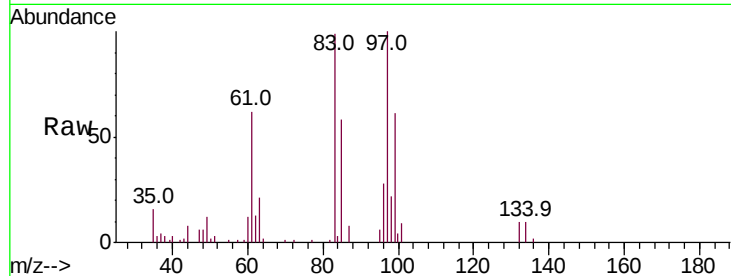
Ion Ratio Lower Upper

97 100

83 99.3 70.4 105.6

85 58.4 44.7 67.1

99 61.3 50.8 76.2

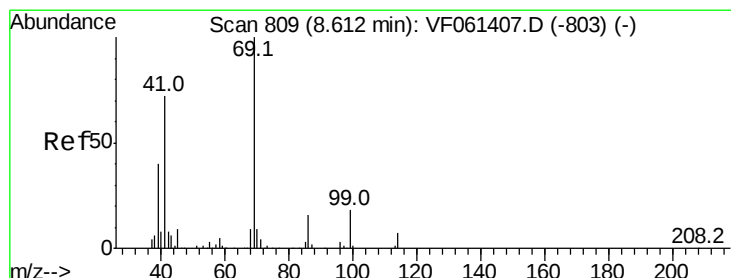
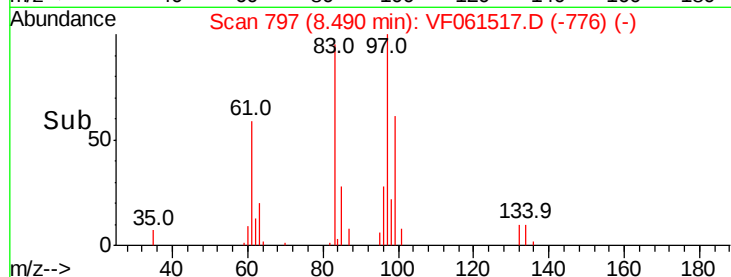
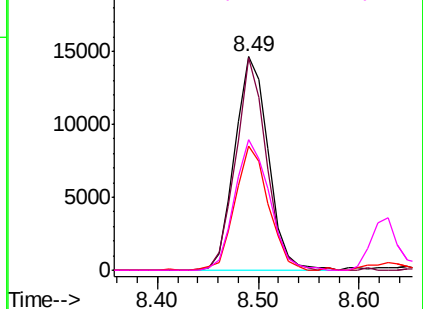


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 21.275 ug/l

RT: 8.62 min Scan# 810

Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

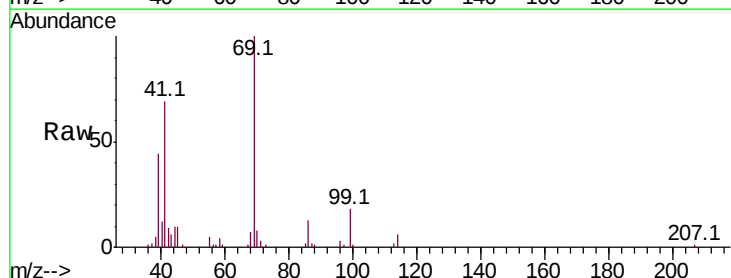
Tgt Ion: 69 Resp: 39941

Ion Ratio Lower Upper

69 100

41 68.7 57.5 86.3

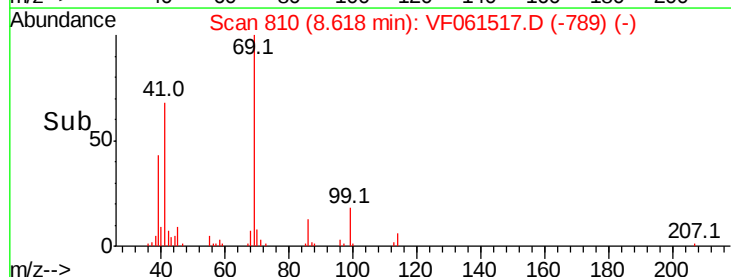
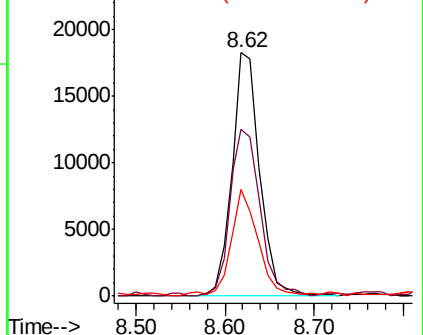
39 44.0 32.0 48.0

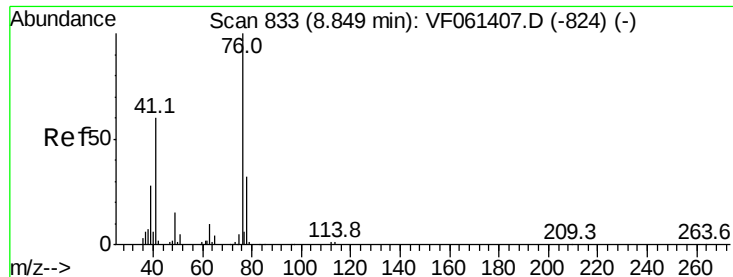


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 19.795 ug/l

RT: 8.86 min Scan# 834

Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :

MSVOA_F

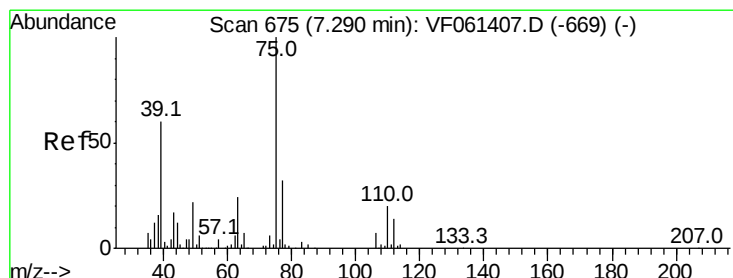
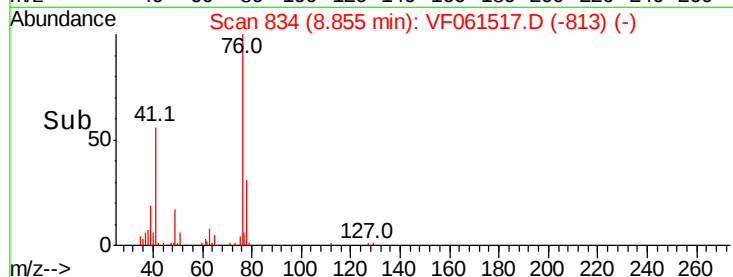
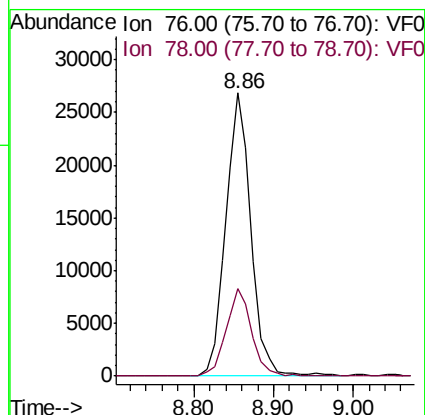
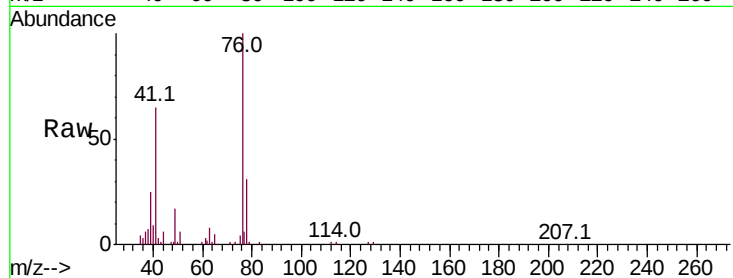
ClientSampled :

Tot Ion: 76 Resp: 59871

Ion Ratio Lower Upper

76 100

78 30.8 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 179.494 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.01 min

Lab File: VF061517.D

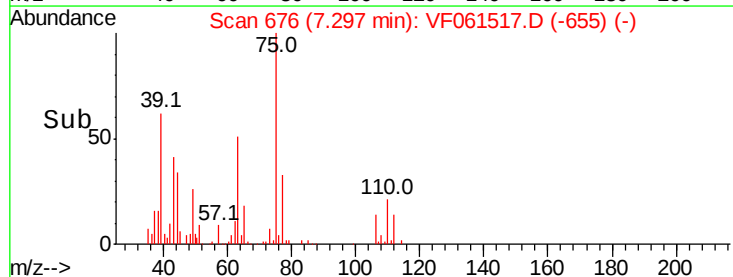
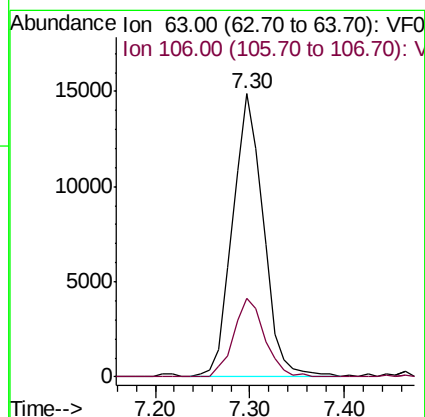
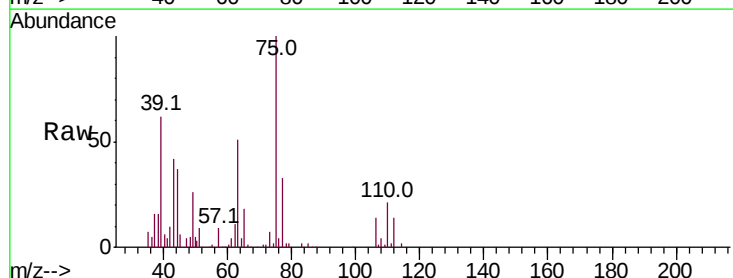
Acq: 25 Jan 2019 13:13

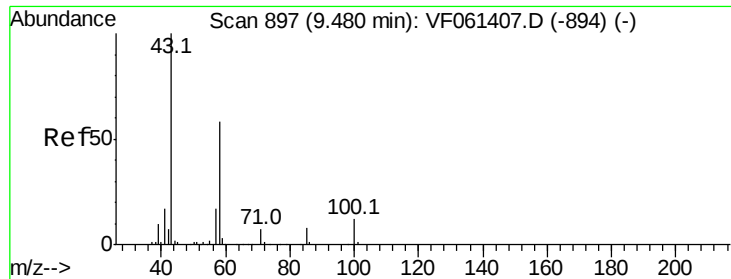
Tgt Ion: 63 Resp: 33619

Ion Ratio Lower Upper

63 100

106 27.9 21.9 32.9

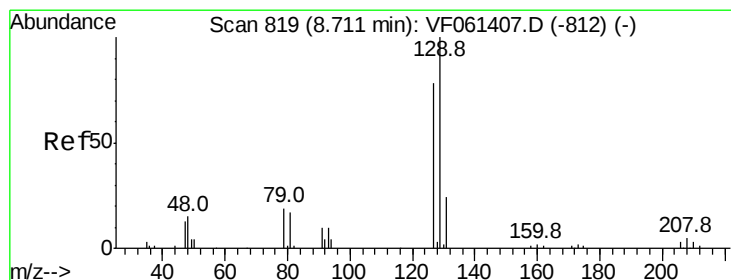
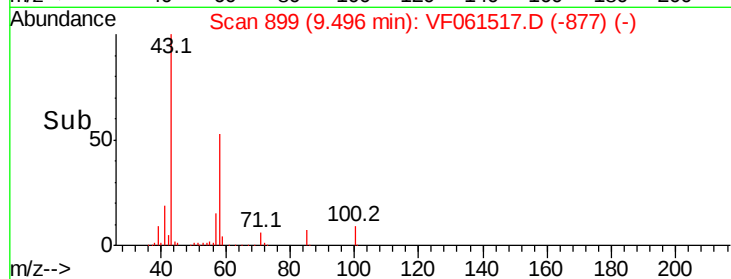
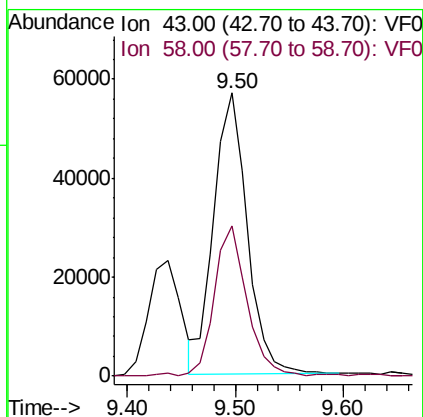
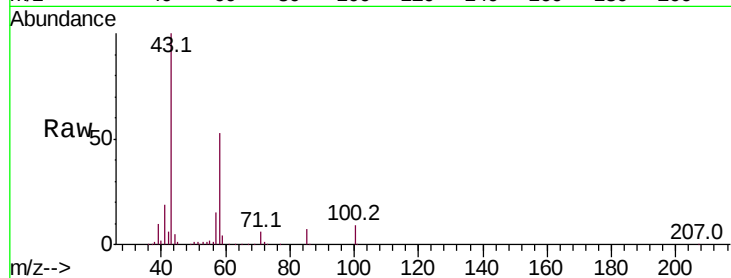




#59
2-Hexanone
Concen: 123.042 ug/l
RT: 9.50 min Scan# 899
Delta R.T. 0.02 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

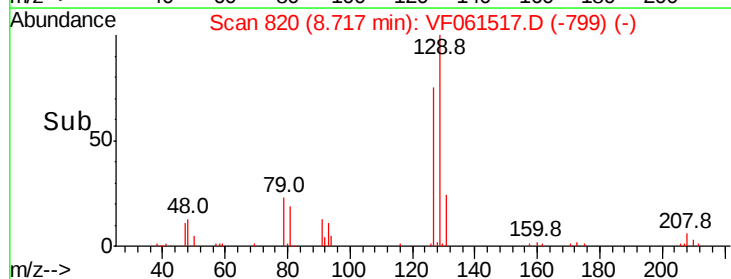
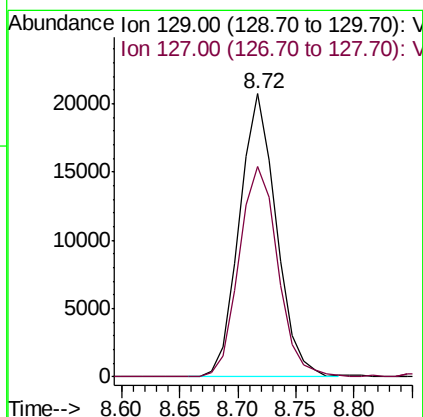
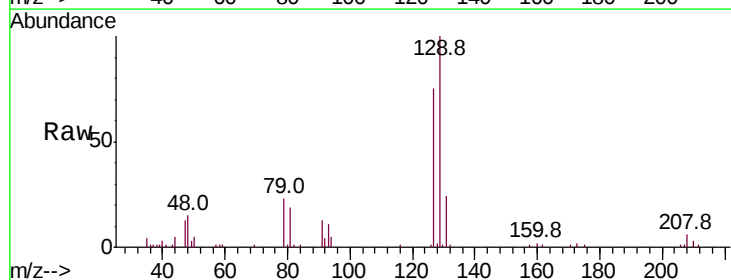
Instrument :
MSVOA_F
ClientSampleId :

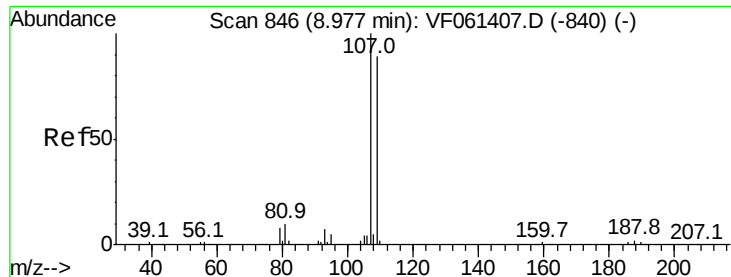
Tot Ion: 43 Resp: 122713
Ion Ratio Lower Upper
43 100
58 53.0 25.9 77.6



#60
Dibromochloromethane
Concen: 19.315 ug/l
RT: 8.72 min Scan# 820
Delta R.T. 0.01 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Tgt Ion:129 Resp: 45564
Ion Ratio Lower Upper
129 100
127 74.5 39.1 117.2





#61

1,2-Dibromoethane

Concen: 19.342 ug/l

RT: 8.99 min Scan# 848

Delta R.T. 0.02 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

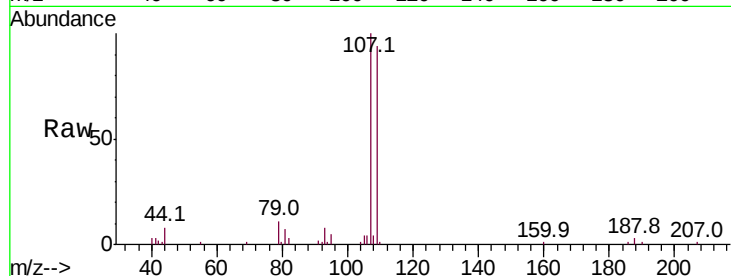
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:107 Resp: 35730

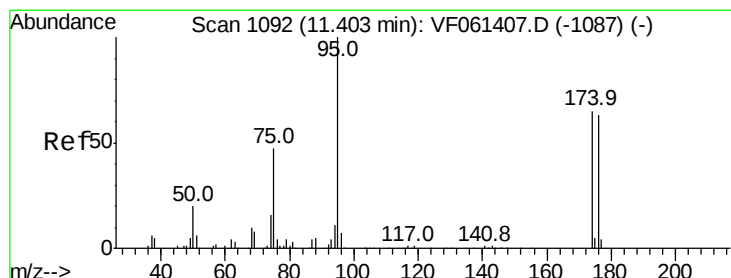
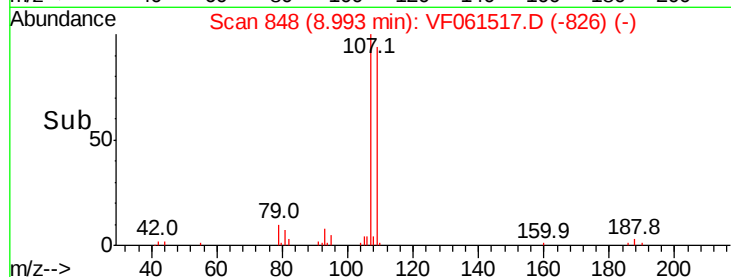
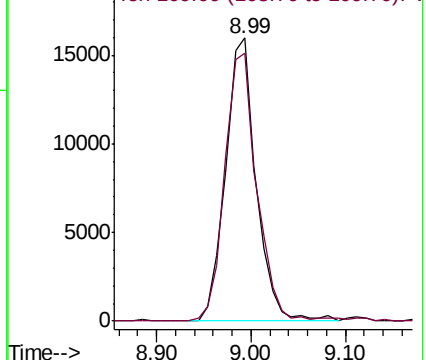
Ion Ratio Lower Upper

107 100

109 94.5 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: 46.802 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

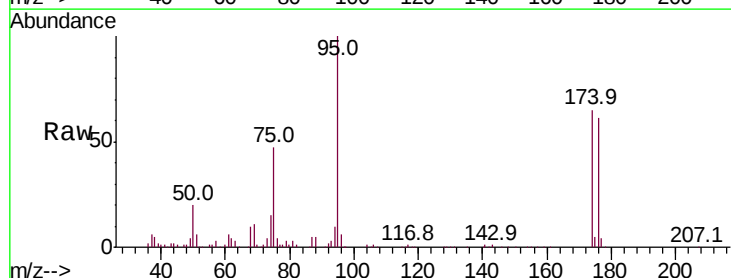
Tgt Ion: 95 Resp: 158116

Ion Ratio Lower Upper

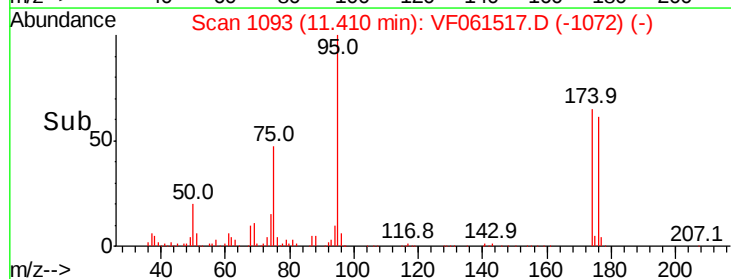
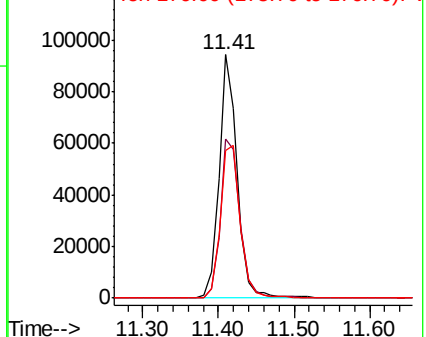
95 100

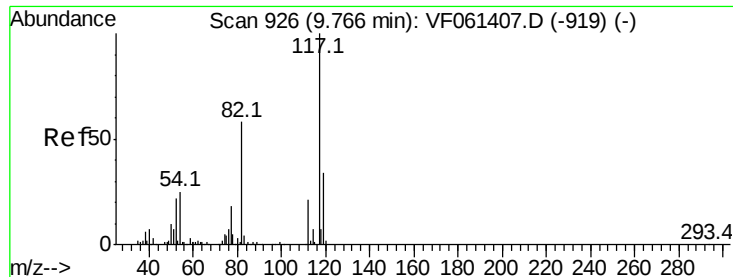
174 65.2 0.0 130.4

176 60.6 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: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

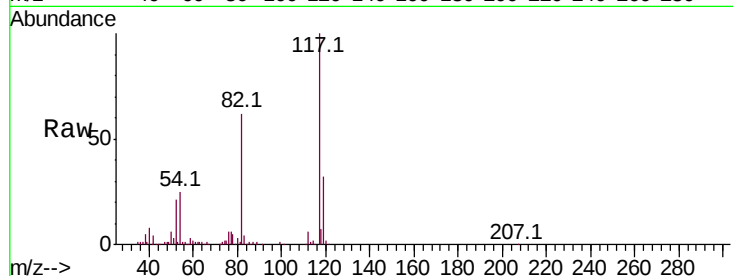
Tot Ion:117 Resp: 308499

Ion Ratio Lower Upper

117 100

82 61.6 46.4 69.6

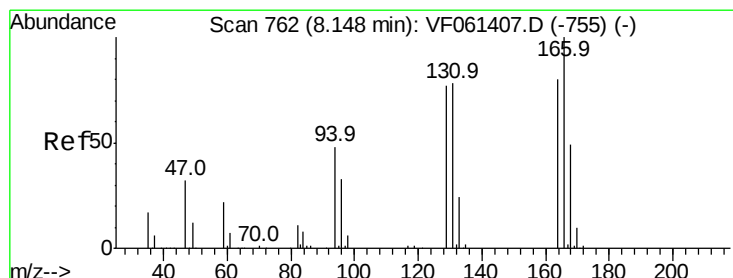
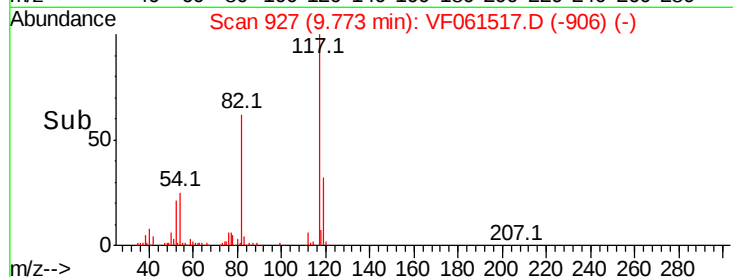
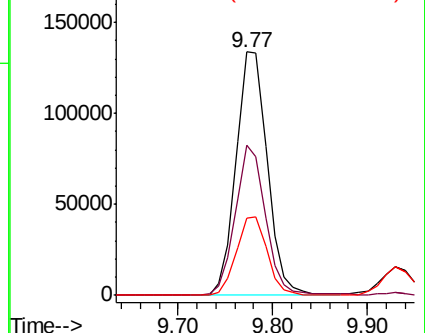
119 31.9 27.2 40.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 18.253 ug/l

RT: 8.16 min Scan# 764

Delta R.T. 0.02 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Tgt Ion:164 Resp: 42346

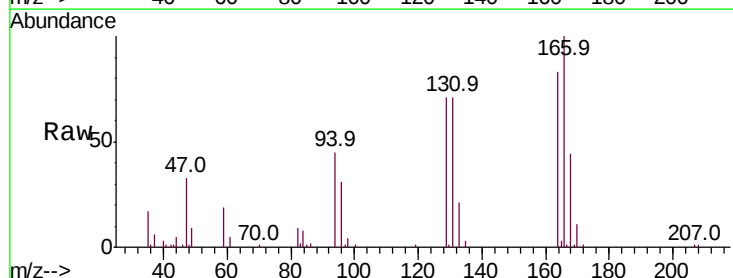
Ion Ratio Lower Upper

164 100

166 120.6 99.6 149.4

129 86.0 76.4 114.6

131 85.3 77.9 116.9

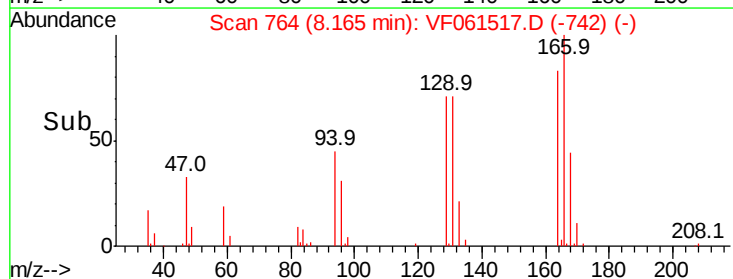
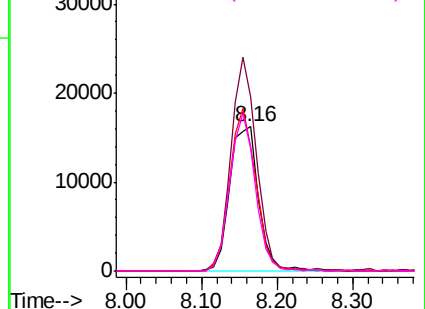


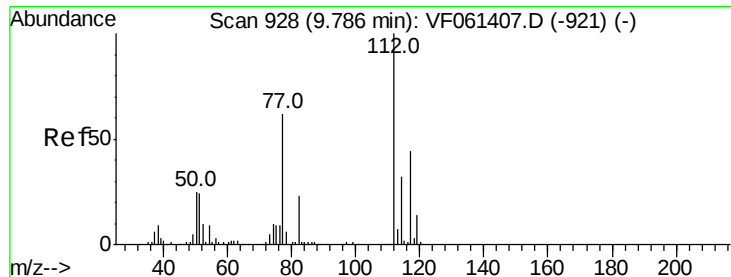
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

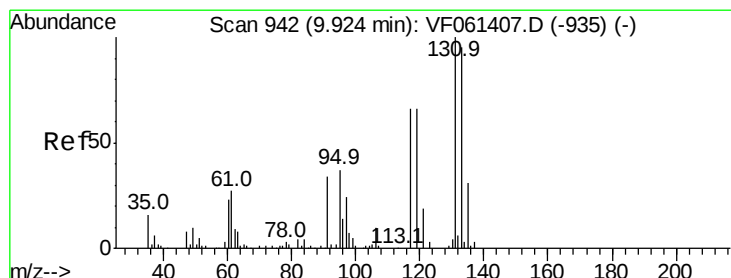
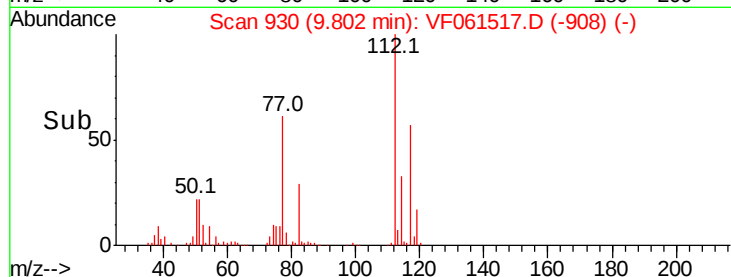
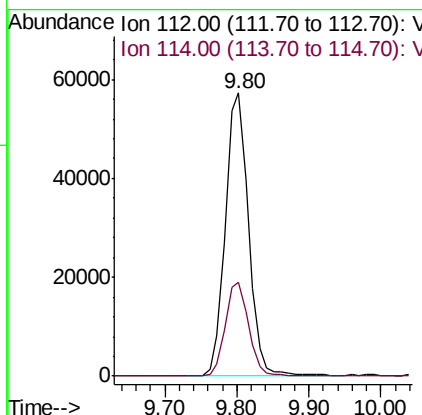
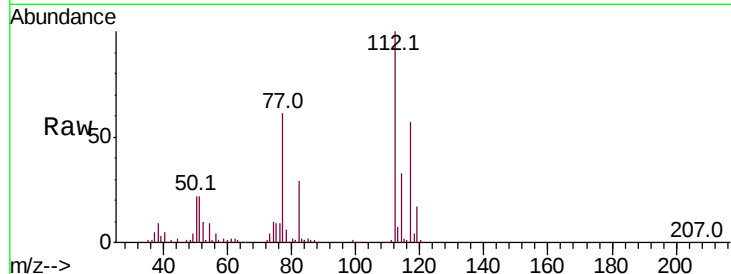




#65
Chlorobenzene
Concen: 20.483 ug/l
RT: 9.80 min Scan# 930
Delta R.T. 0.02 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

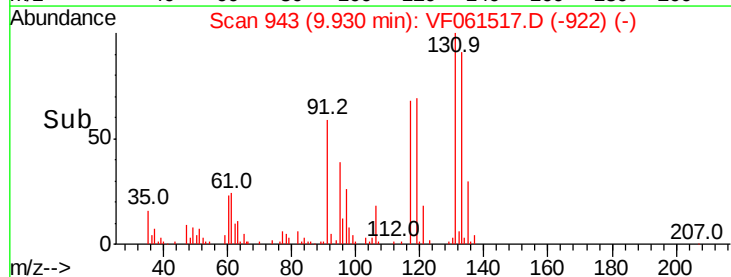
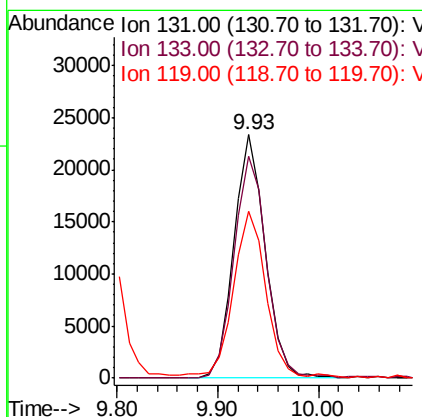
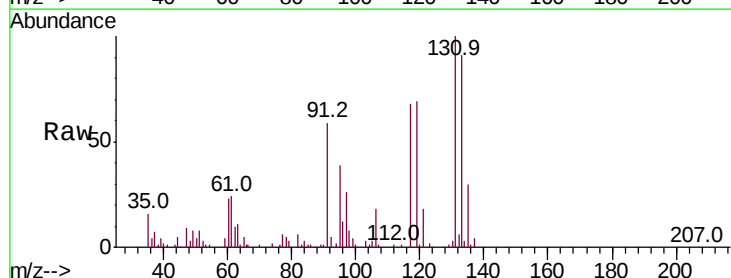
Instrument :
MSVOA_F
ClientSampleId :

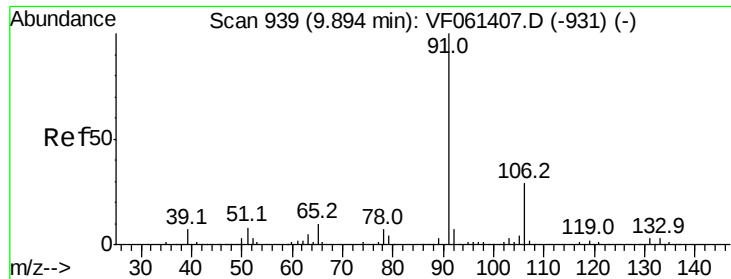
Tot Ion:112 Resp: 128502
Ion Ratio Lower Upper
112 100
114 33.4 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.146 ug/l
RT: 9.93 min Scan# 943
Delta R.T. 0.01 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Tgt Ion:131 Resp: 50348
Ion Ratio Lower Upper
131 100
133 90.9 47.4 142.2
119 68.6 33.1 99.3

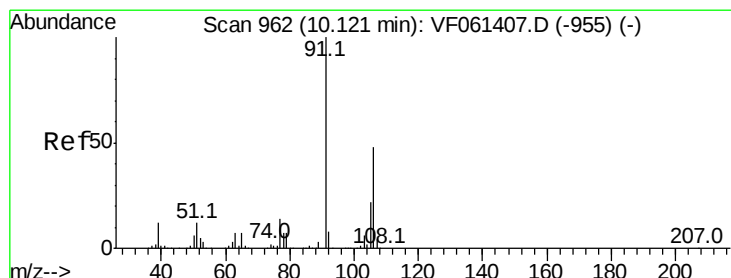
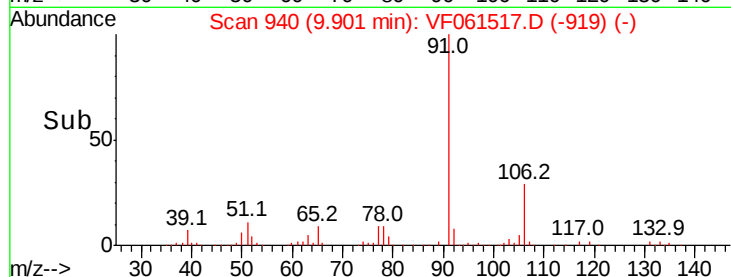
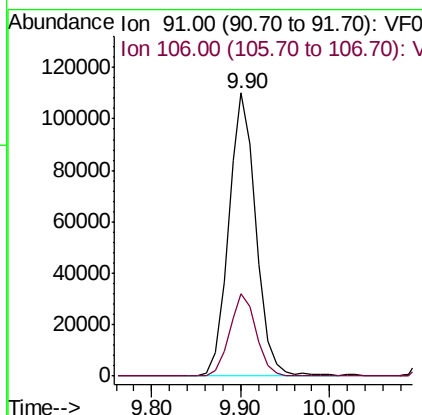
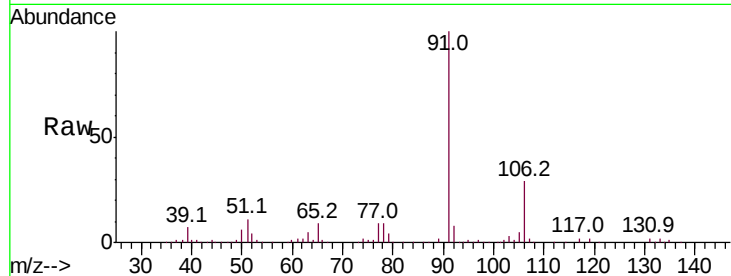




#67
Ethyl Benzene
Concen: 20.575 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.01 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

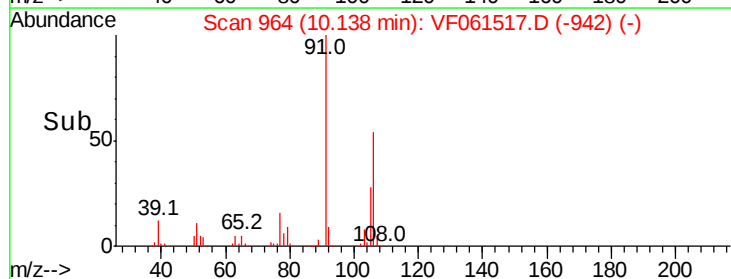
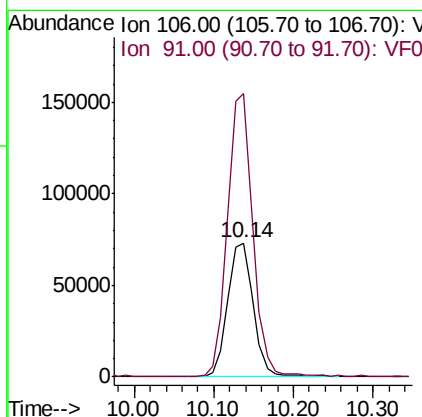
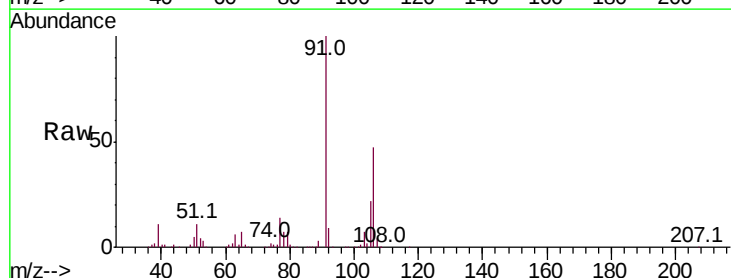
Instrument :
MSVOA_F
ClientSampleId :

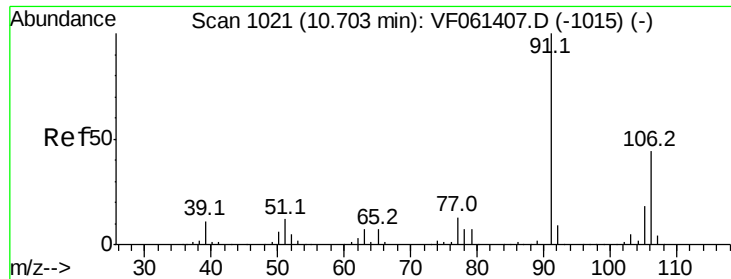
Tot Ion: 91 Resp: 235831
Ion Ratio Lower Upper
91 100
106 29.0 23.1 34.7



#68
m/p-Xylenes
Concen: 40.310 ug/l
RT: 10.14 min Scan# 964
Delta R.T. 0.02 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Tgt Ion:106 Resp: 166180
Ion Ratio Lower Upper
106 100
91 211.7 166.2 249.4

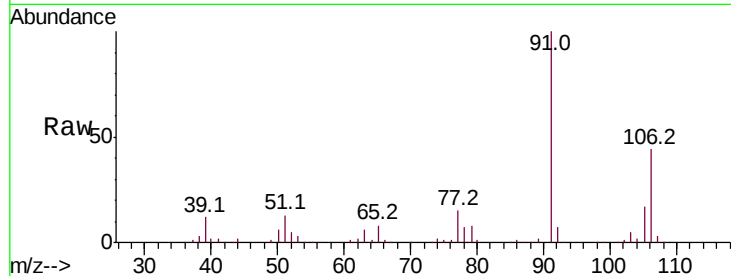




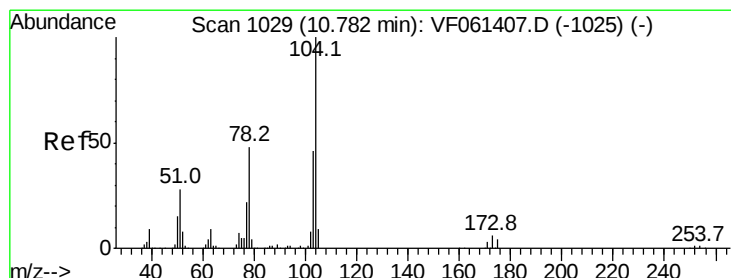
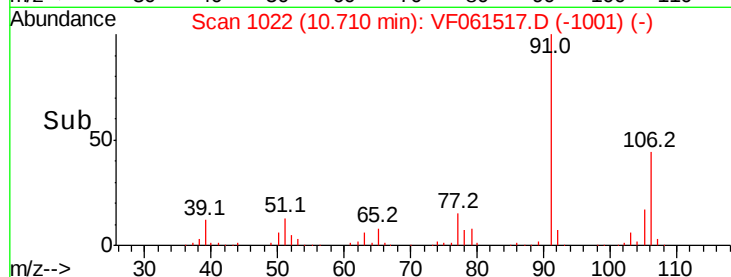
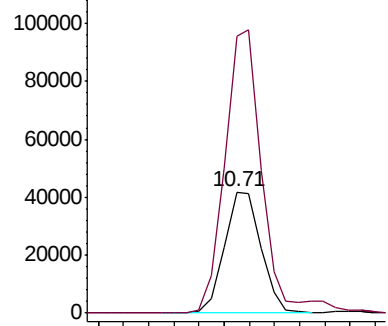
#69
o-Xylene
Concen: 18.976 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:106 Resp: 84788
Ion Ratio Lower Upper
106 100
91 229.0 113.3 339.8

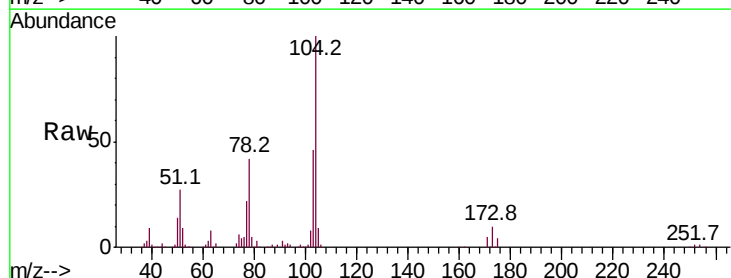


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

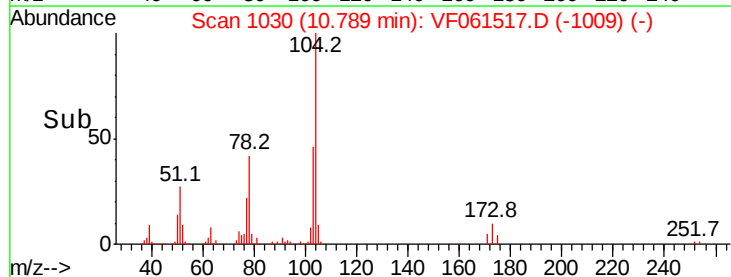
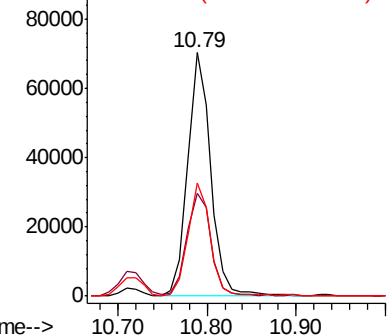


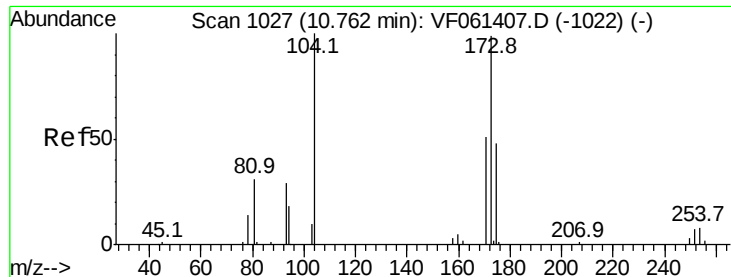
#70
Styrene
Concen: 20.833 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Tgt Ion:104 Resp: 127414
Ion Ratio Lower Upper
104 100
78 42.5 38.8 58.2
103 46.3 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: 20.793 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. 0.02 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampled :

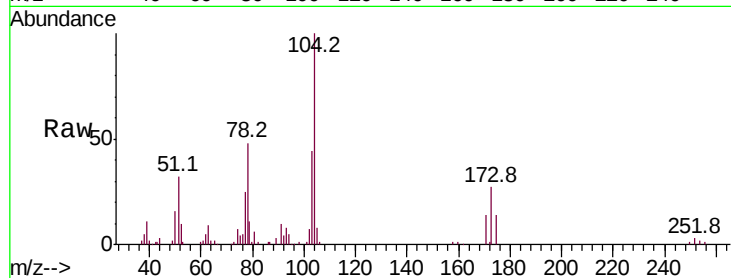
Tot Ion:173 Resp: 23348

Ion Ratio Lower Upper

173 100

175 50.2 24.1 72.4

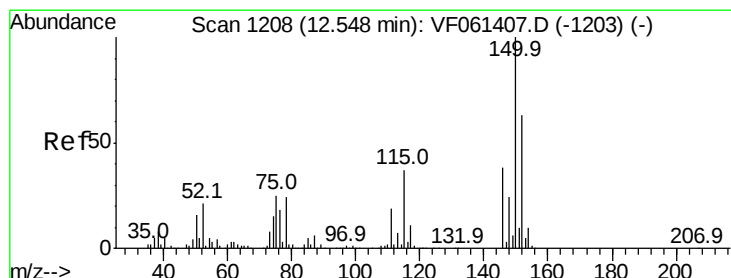
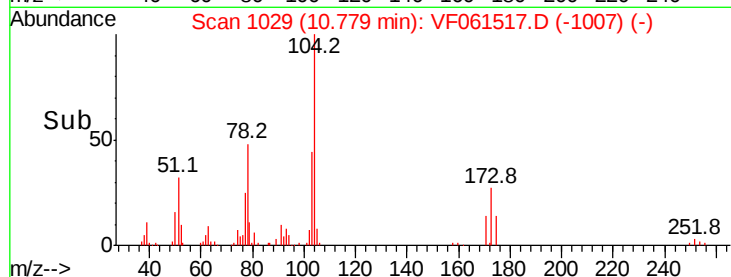
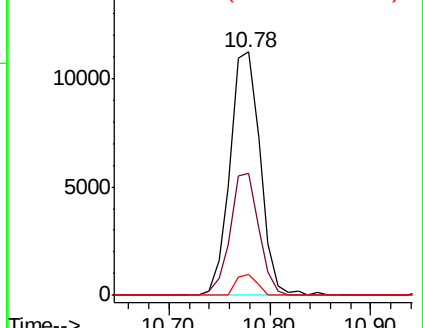
254 8.4 0.0 0.0#



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# 1209

Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

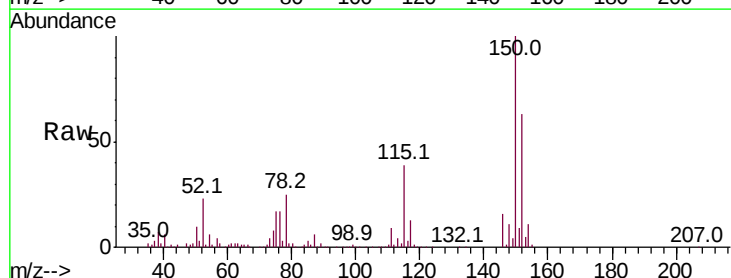
Tgt Ion:152 Resp: 152477

Ion Ratio Lower Upper

152 100

115 61.9 30.0 90.0

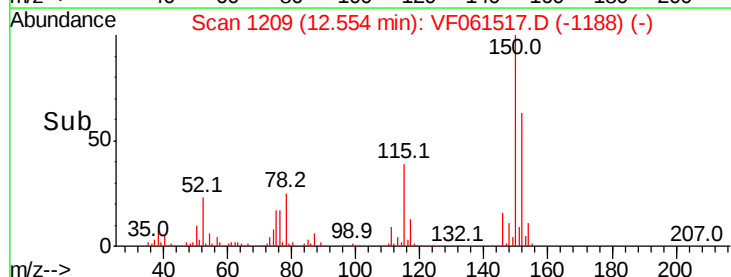
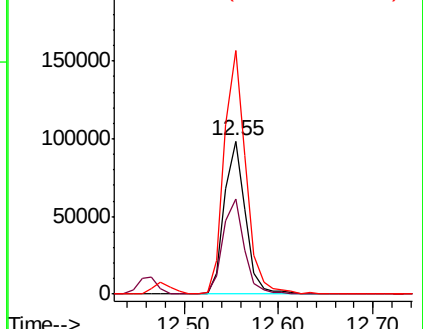
150 159.1 0.0 321.4

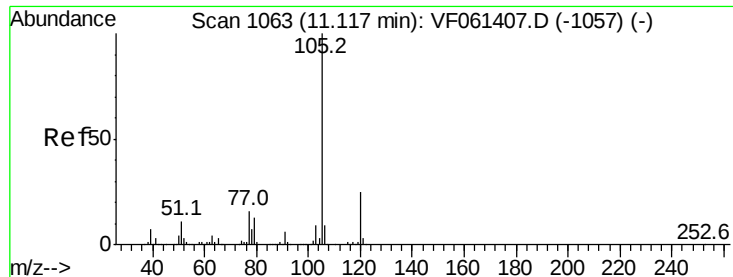


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 21.054 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :

MSVOA_F

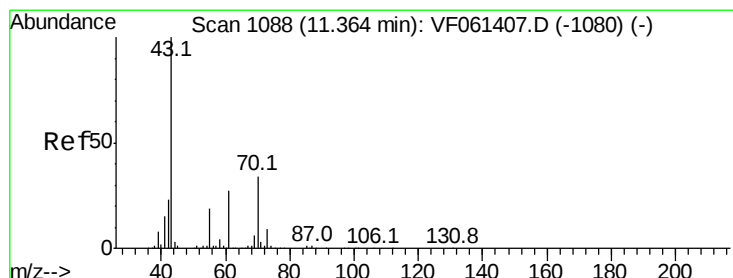
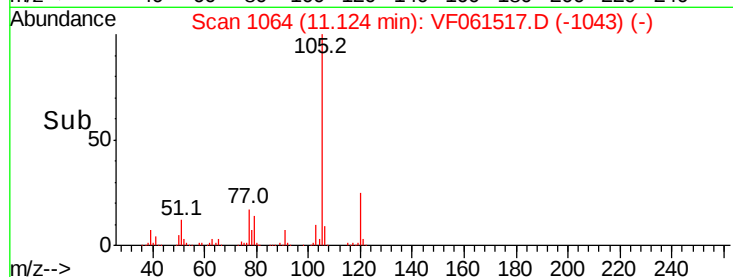
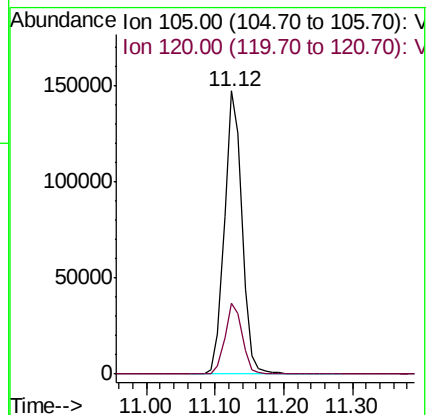
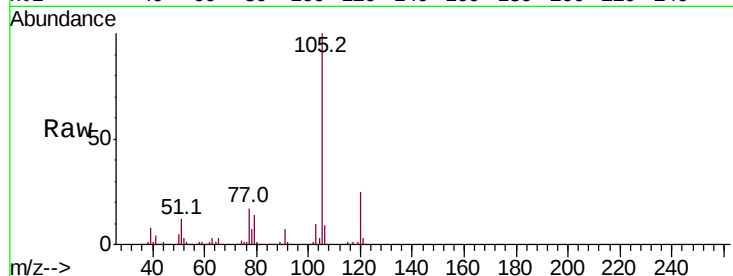
ClientSampleId :

Tot Ion:105 Resp: 261092

Ion Ratio Lower Upper

105 100

120 25.2 12.6 37.8



#74

N-ethyl acetate

Concen: 24.137 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Tgt Ion: 43 Resp: 70780

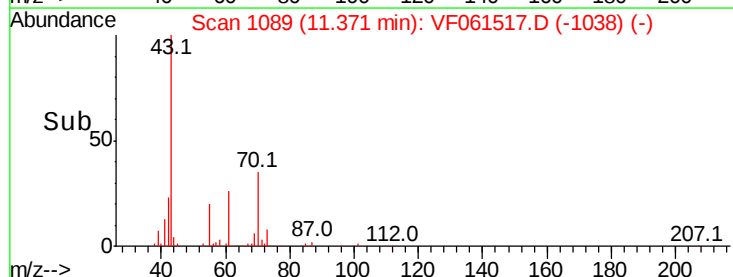
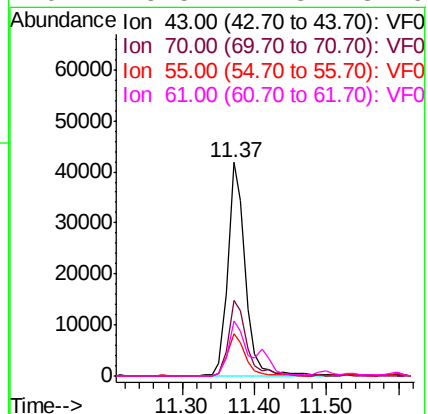
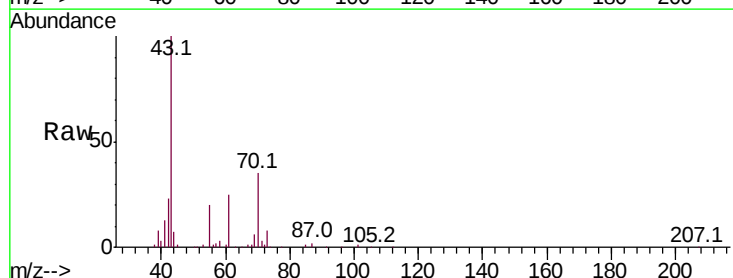
Ion Ratio Lower Upper

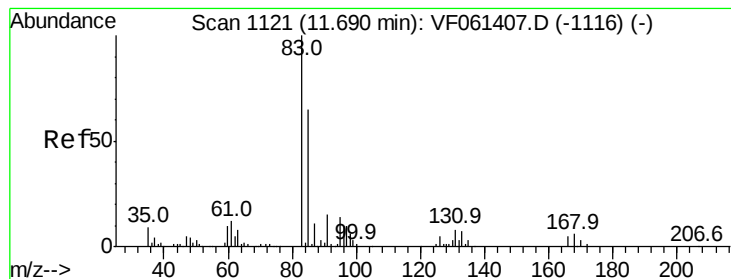
43 100

70 35.4 27.6 41.4

55 19.7 15.4 23.2

61 25.5 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.429 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

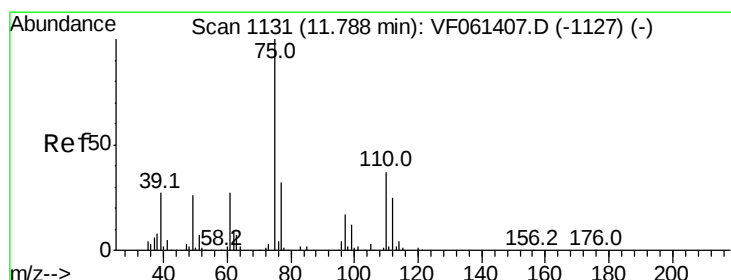
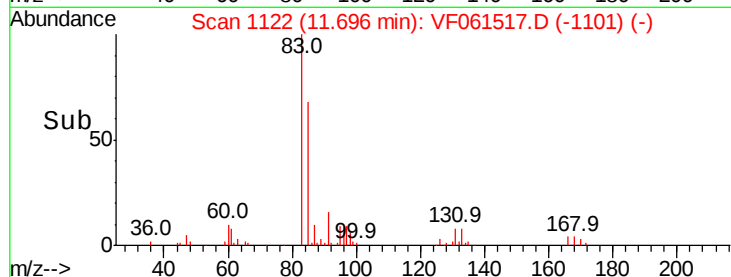
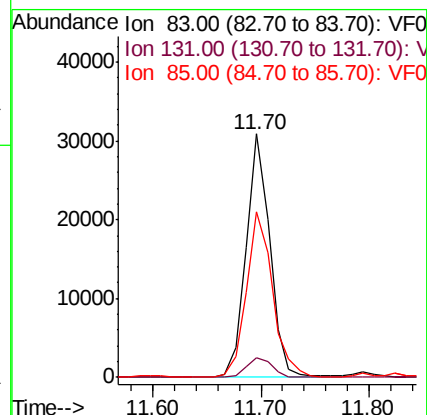
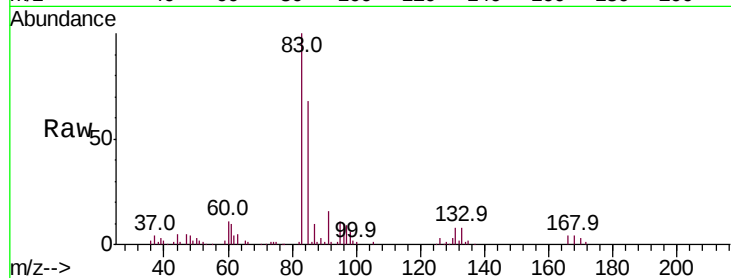
Tot Ion: 83 Resp: 47341

Ion Ratio Lower Upper

83 100

131 8.3 4.0 12.2

85 68.0 32.7 98.1



#76

1,2,3-Trichloropropane

Concen: 20.905 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VF061517.D

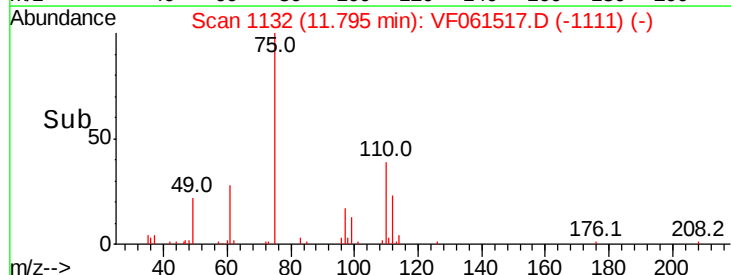
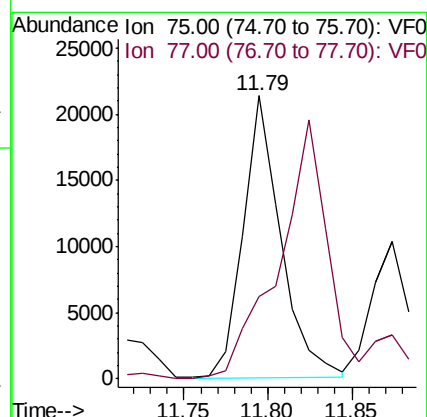
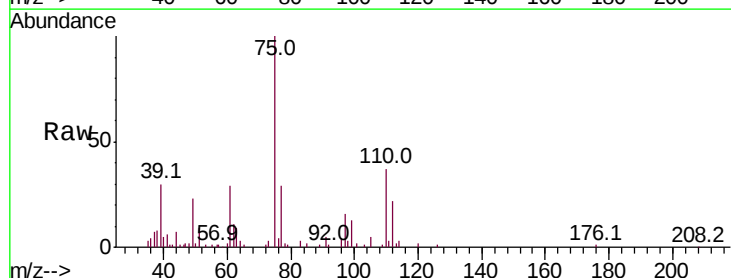
Acq: 25 Jan 2019 13:13

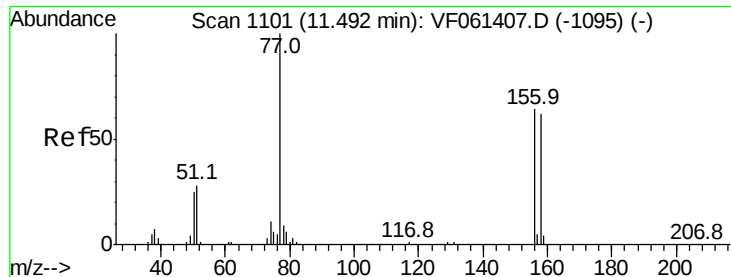
Tgt Ion: 75 Resp: 33185

Ion Ratio Lower Upper

75 100

77 29.3 16.1 48.3





#77

Bromobenzene

Concen: 20.817 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

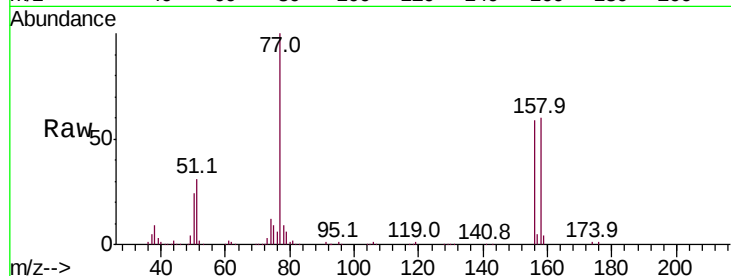
Tot Ion:156 Resp: 54521

Ion Ratio Lower Upper

156 100

77 169.1 78.3 234.9

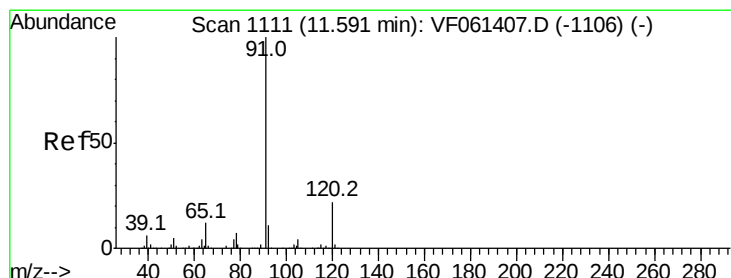
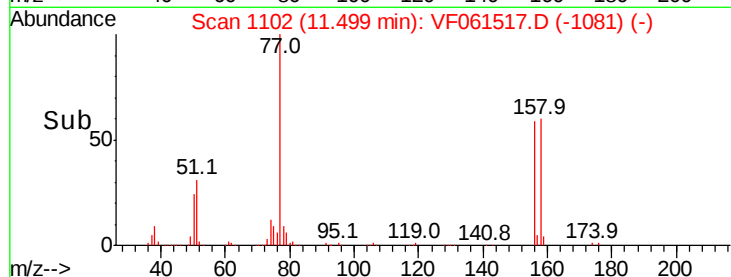
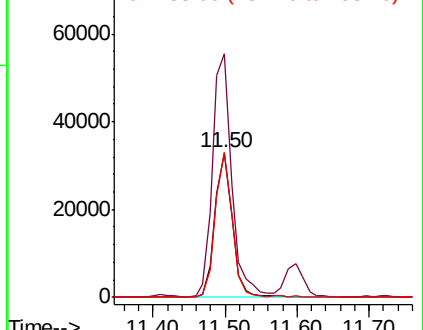
158 101.0 48.9 146.7



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: 19.612 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VF061517.D

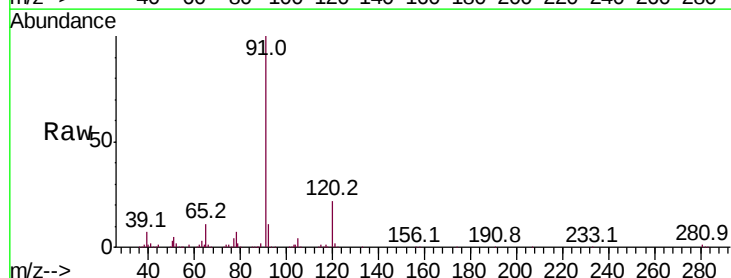
Acq: 25 Jan 2019 13:13

Tgt Ion: 91 Resp: 317136

Ion Ratio Lower Upper

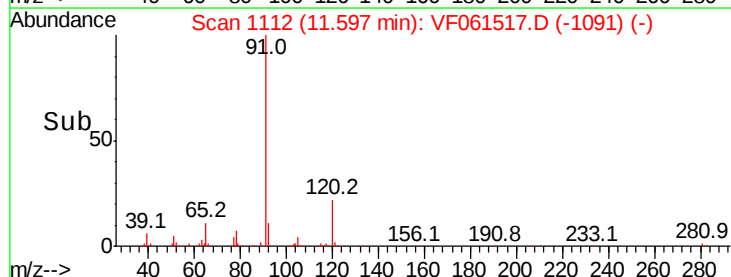
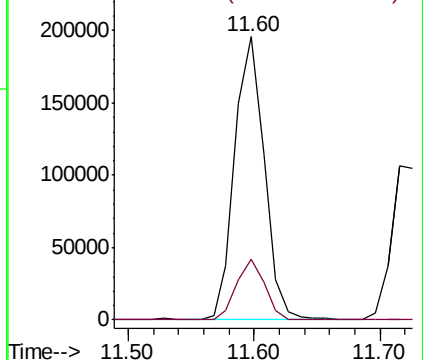
91 100

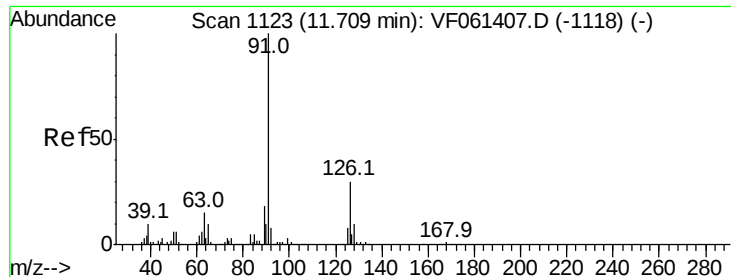
120 21.6 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

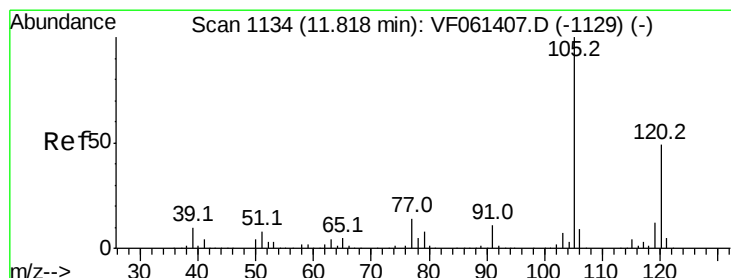
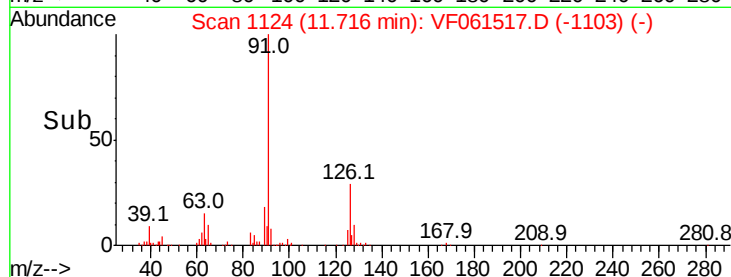
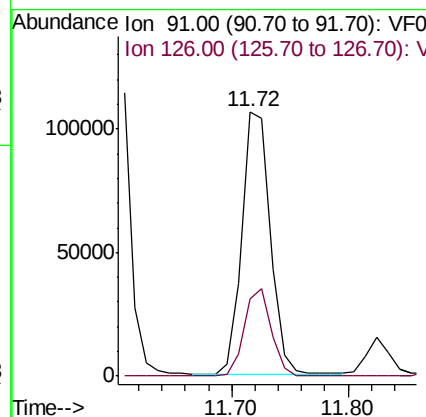
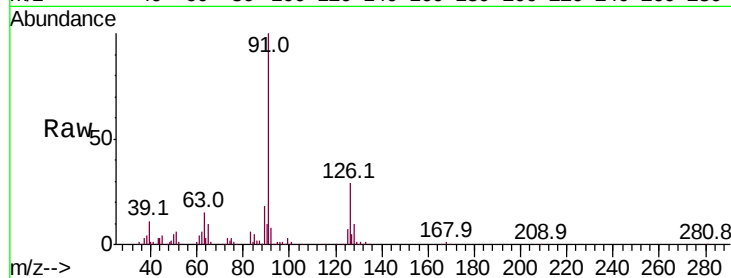




#79
 2-Chlorotoluene
 Concen: 21.011 ug/l
 RT: 11.72 min Scan# 1124
 Delta R.T. 0.01 min
 Lab File: VF061517.D
 Acq: 25 Jan 2019 13:13

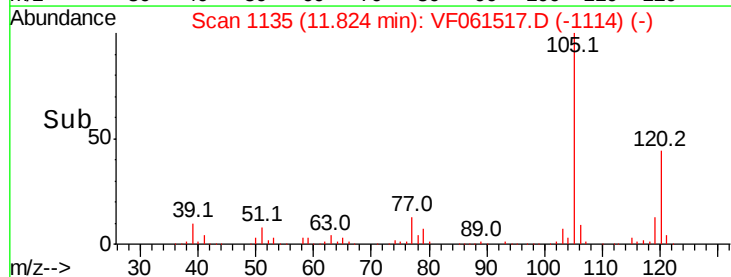
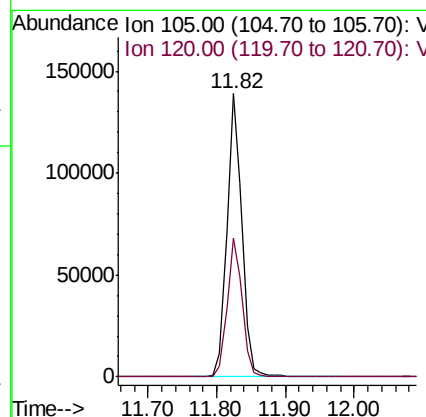
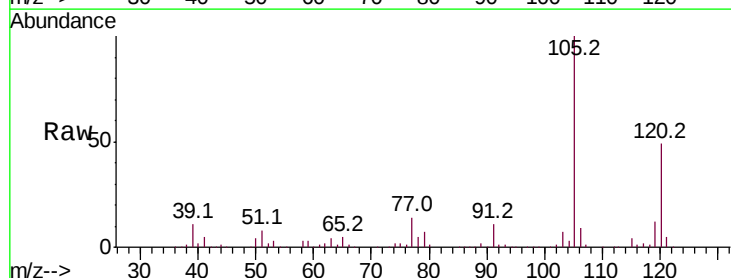
Instrument :
 MSVOA_F
 ClientSampleId :

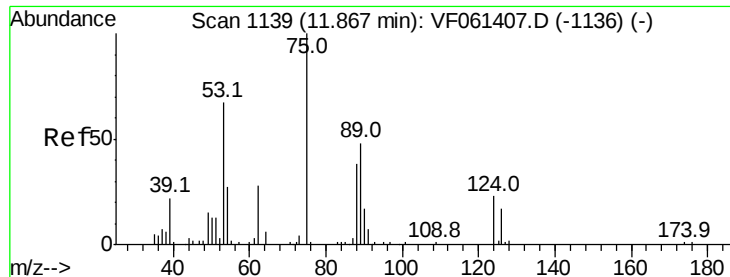
Tot Ion: 91 Resp: 180786
 Ion Ratio Lower Upper
 91 100
 126 29.4 15.0 45.1



#80
 1,3,5-Trimethylbenzene
 Concen: 20.916 ug/l
 RT: 11.82 min Scan# 1135
 Delta R.T. 0.01 min
 Lab File: VF061517.D
 Acq: 25 Jan 2019 13:13

Tgt Ion: 105 Resp: 209329
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.7 74.1

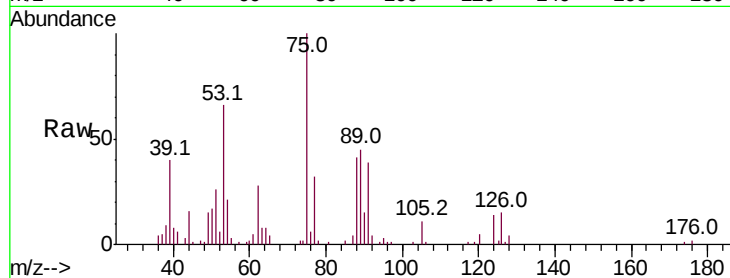




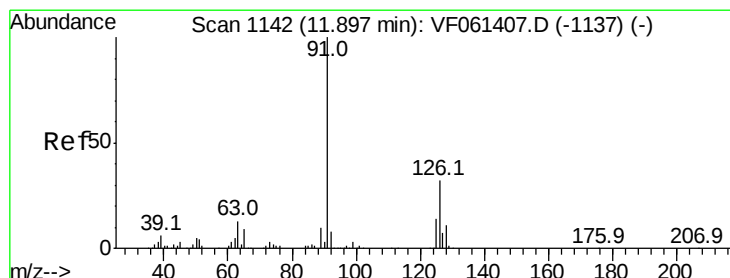
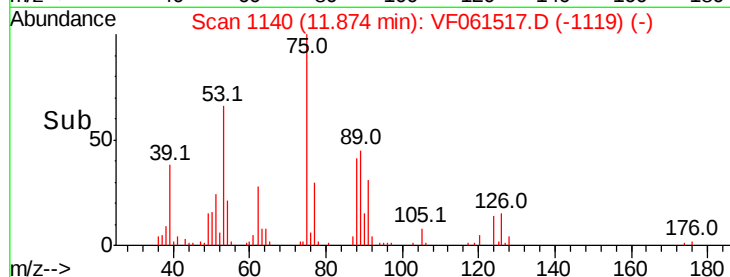
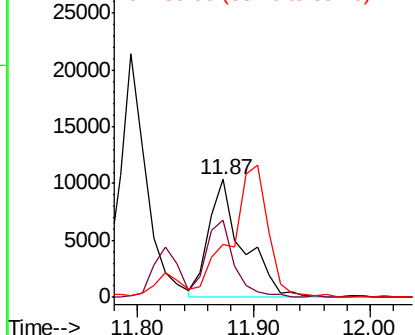
#81
trans-1,4-Dichloro-2-butene
Concen: 31.162 ug/l
RT: 11.87 min Scan# 1140
Delta R.T. 0.01 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 21504
Ion Ratio Lower Upper
75 100
53 65.7 57.8 86.6
89 45.1 40.7 61.1

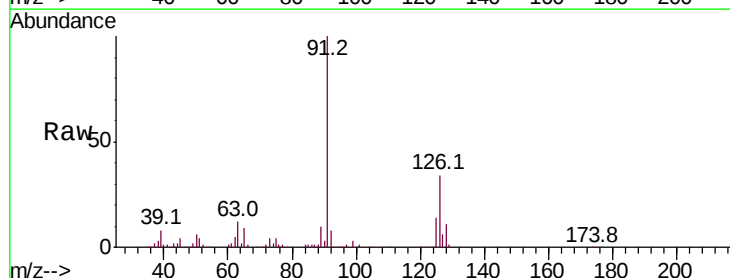


Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 53.00 (52.70 to 53.70): VF0
Ion 89.00 (88.70 to 89.70): VF0

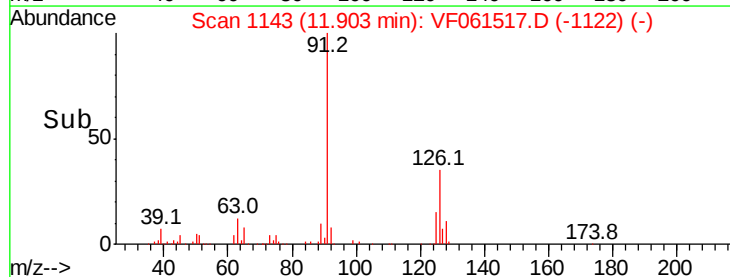
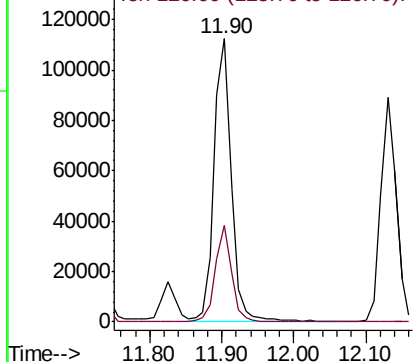


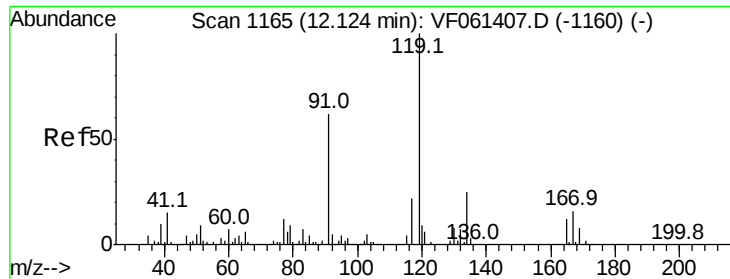
#82
4-Chlorotoluene
Concen: 21.004 ug/l
RT: 11.90 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Tgt Ion: 91 Resp: 182373
Ion Ratio Lower Upper
91 100
126 34.0 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 126.00 (125.70 to 126.70): V

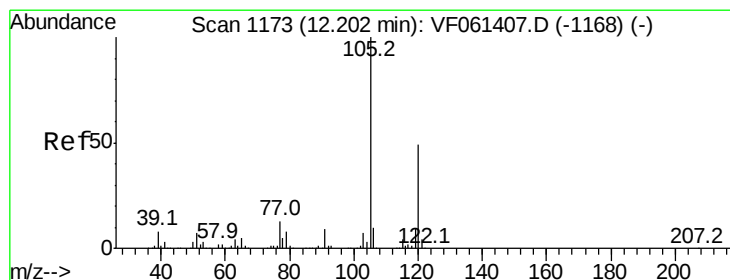
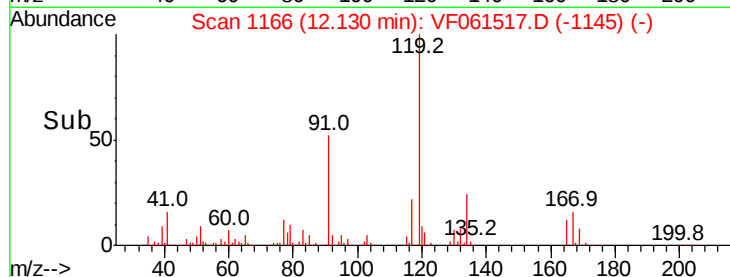
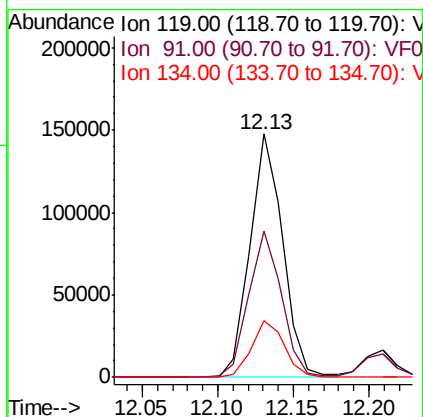
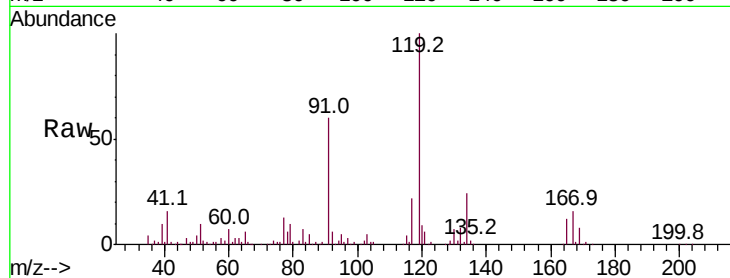




#83
 tert-Butylbenzene
 Concen: 21.670 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. 0.01 min
 Lab File: VF061517.D
 Acq: 25 Jan 2019 13:13

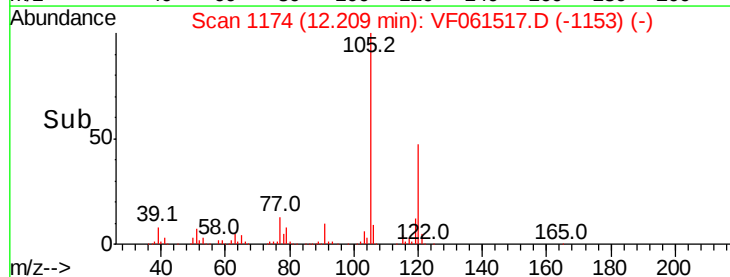
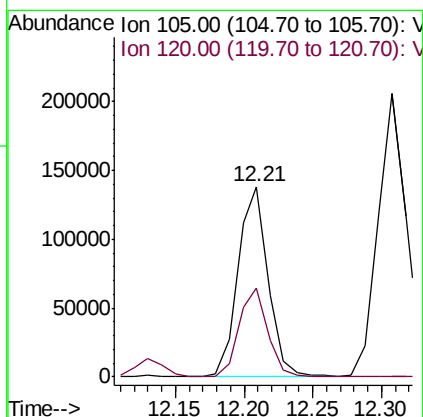
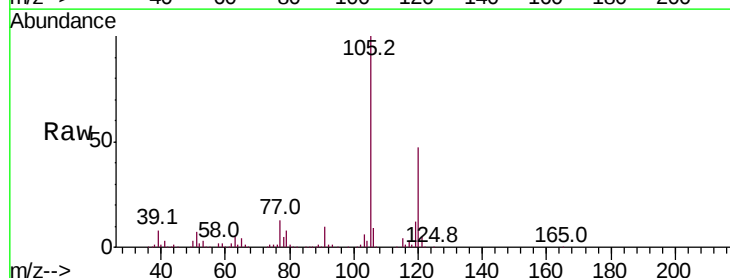
Instrument :
 MSVOA_F
 ClientSampleId :

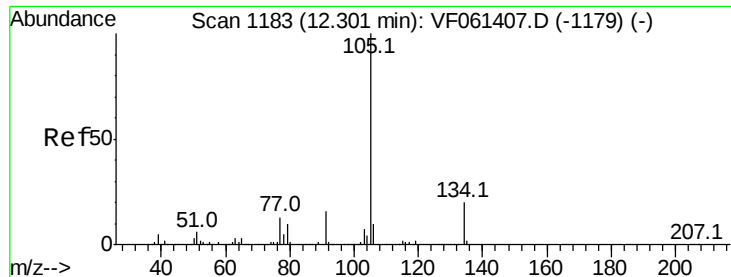
Tot Ion:119 Resp: 224473
 Ion Ratio Lower Upper
 119 100
 91 60.2 31.3 93.8
 134 23.5 12.4 37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 20.452 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. 0.01 min
 Lab File: VF061517.D
 Acq: 25 Jan 2019 13:13

Tgt Ion:105 Resp: 210839
 Ion Ratio Lower Upper
 105 100
 120 46.6 24.9 74.6





#85

sec-Butylbenzene

Concen: 21.213 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :

MSVOA_F

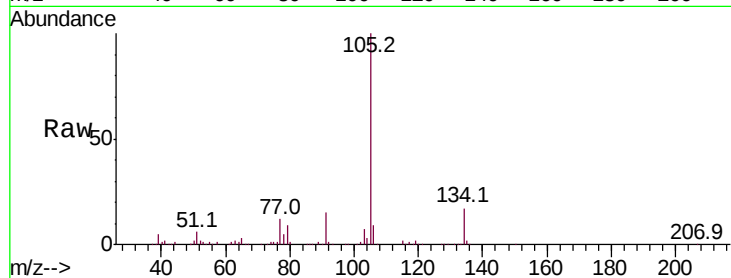
ClientSampleId :

Tot Ion:105 Resp: 298400

Ion Ratio Lower Upper

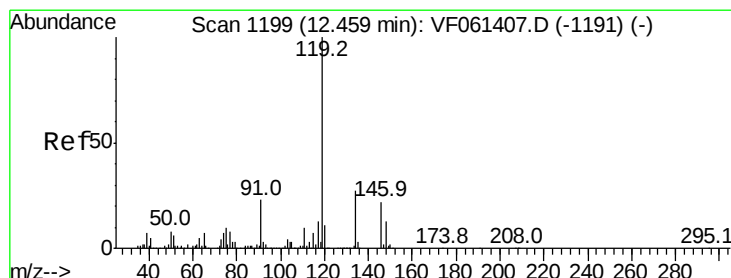
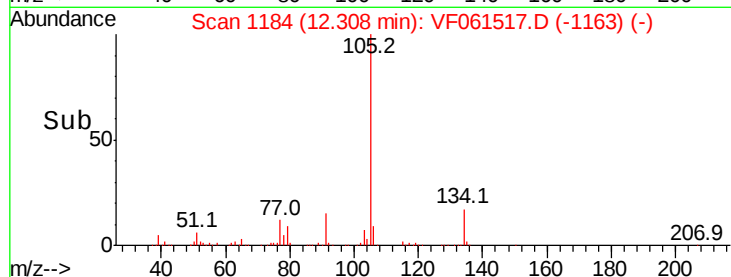
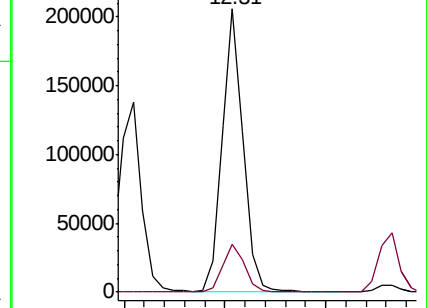
105 100

134 17.1 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.818 ug/l

RT: 12.47 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

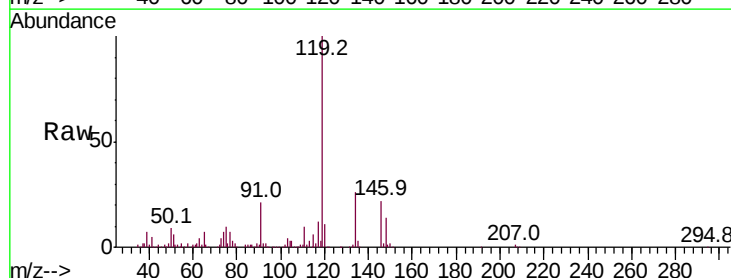
Tgt Ion:119 Resp: 251945

Ion Ratio Lower Upper

119 100

134 25.9 13.4 40.2

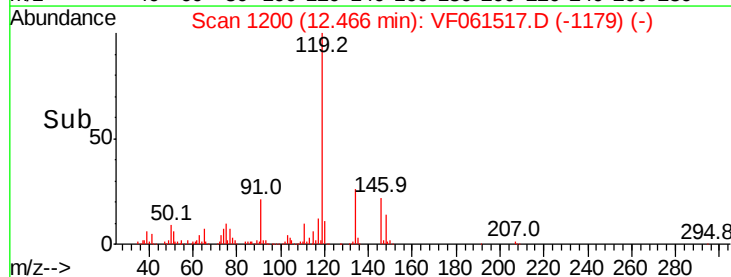
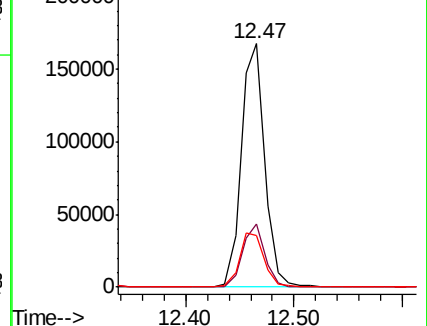
91 21.2 11.4 34.2

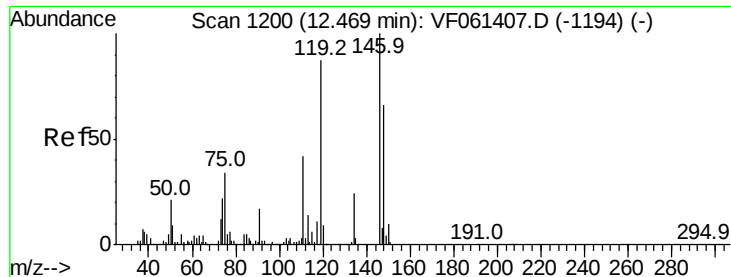


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

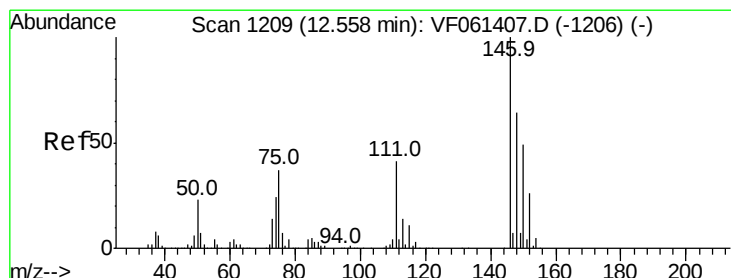
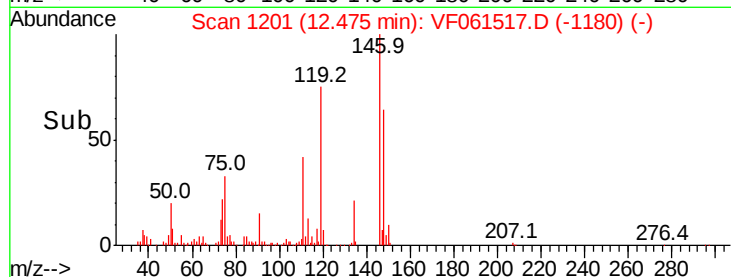
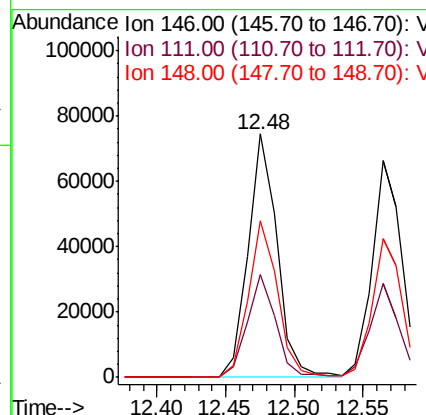
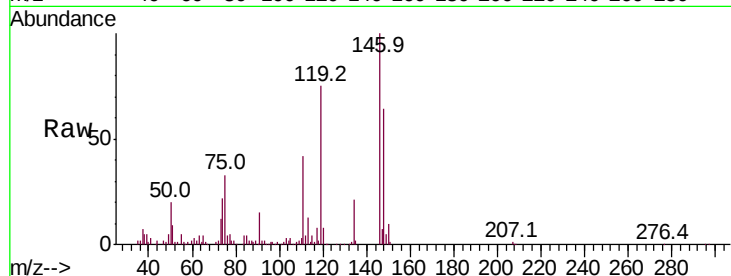




#87
 1,3-Dichlorobenzene
 Concen: 20.127 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VF061517.D
 Acq: 25 Jan 2019 13:13

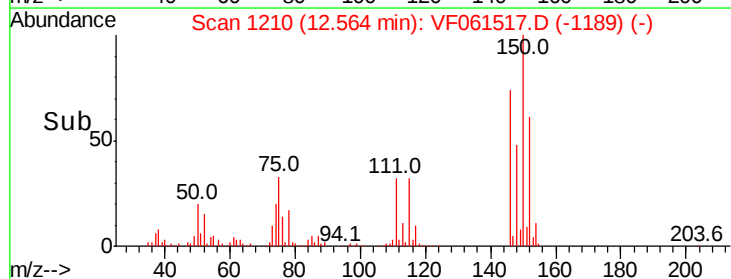
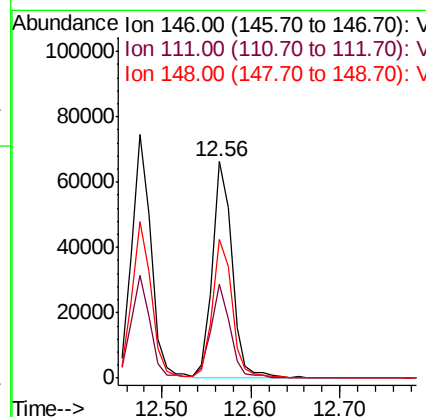
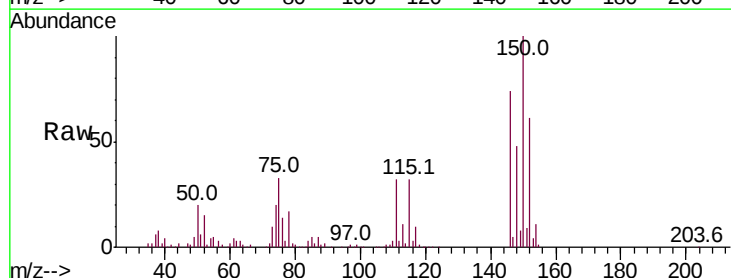
Instrument :
 MSVOA_F
 ClientSampleId :

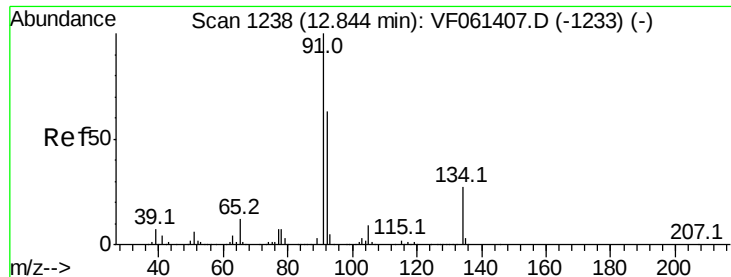
Tot Ion:146 Resp: 110739
 Ion Ratio Lower Upper
 146 100
 111 42.1 21.1 63.4
 148 64.1 32.9 98.6



#88
 1,4-Dichlorobenzene
 Concen: 20.580 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. 0.01 min
 Lab File: VF061517.D
 Acq: 25 Jan 2019 13:13

Tgt Ion:146 Resp: 101851
 Ion Ratio Lower Upper
 146 100
 111 43.4 20.8 62.2
 148 64.2 32.1 96.5

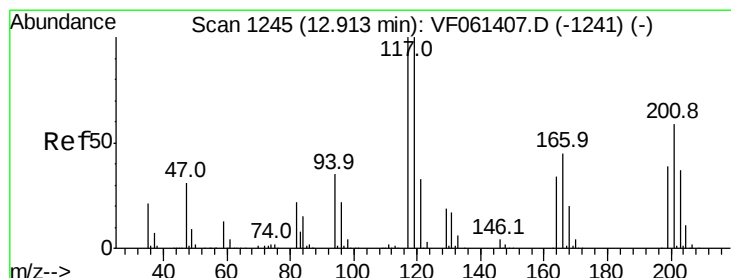
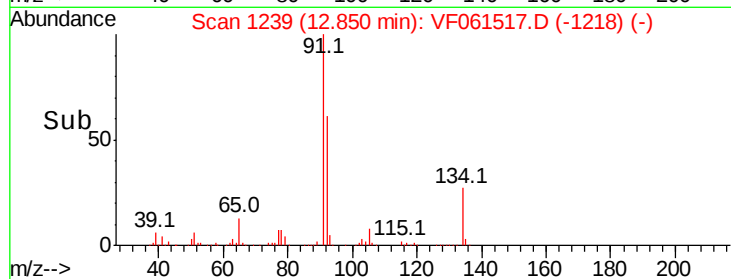
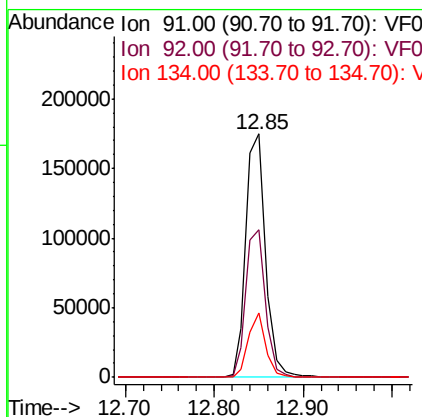
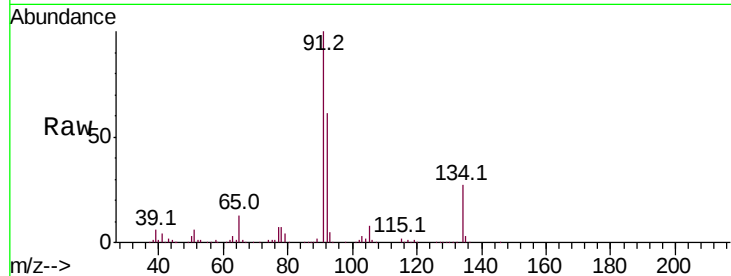




#89
n-Butylbenzene
Concen: 22.539 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

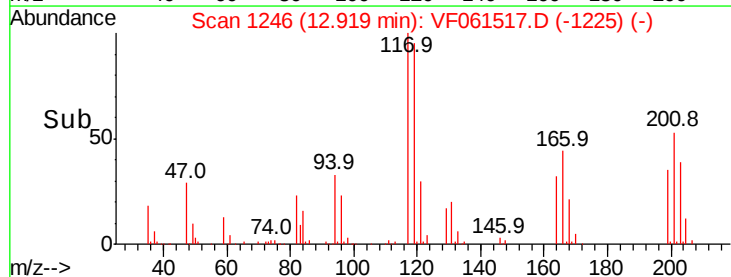
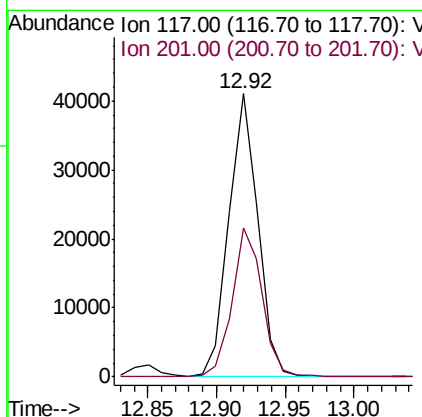
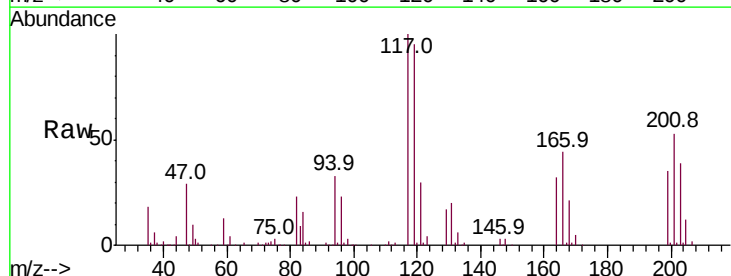
Instrument :
MSVOA_F
ClientSampleId :

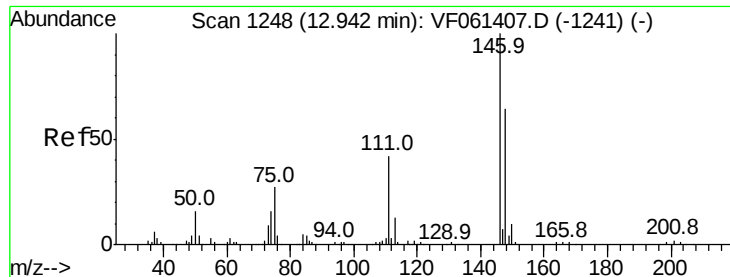
Tot Ion: 91 Resp: 268418
Ion Ratio Lower Upper
91 100
92 60.6 31.6 94.7
134 26.7 13.6 40.8



#90
Hexachloroethane
Concen: 22.209 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VF061517.D
Acq: 25 Jan 2019 13:13

Tgt Ion: 117 Resp: 60454
Ion Ratio Lower Upper
117 100
201 52.6 29.3 87.8





#91

1,2-Dichlorobenzene

Concen: 21.279 ug/l

RT: 12.94 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampled :

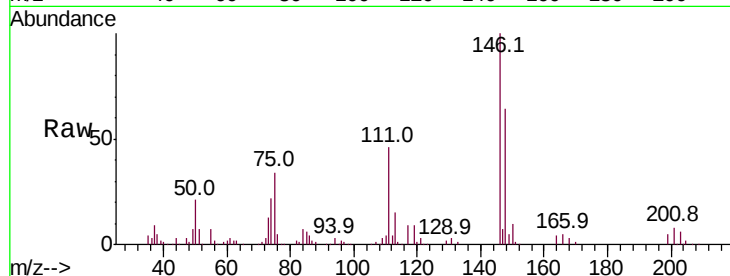
Tot Ion:146 Resp: 104255

Ion Ratio Lower Upper

146 100

111 46.5 21.1 63.3

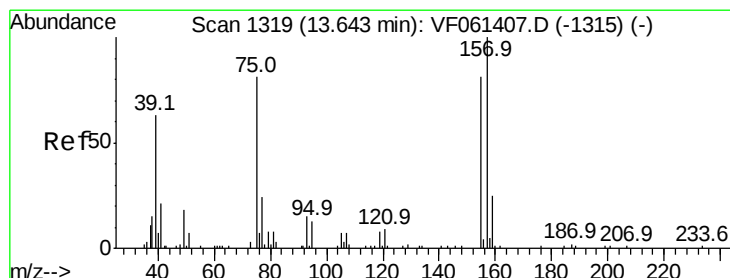
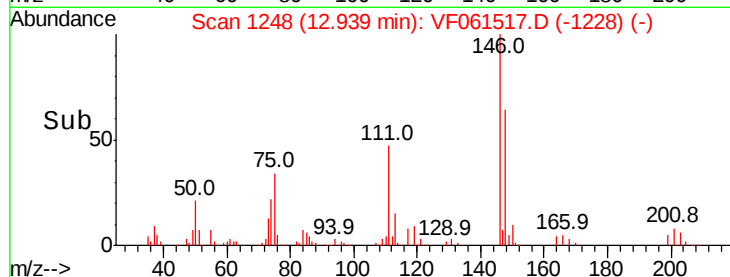
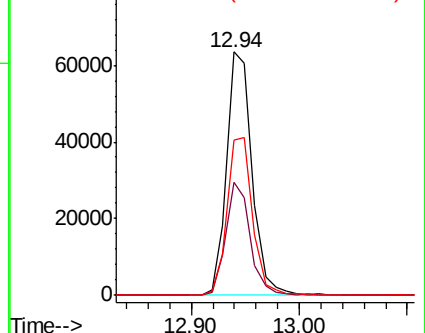
148 63.8 31.9 95.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.628 ug/l

RT: 13.64 min Scan# 1319

Delta R.T. -0.00 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

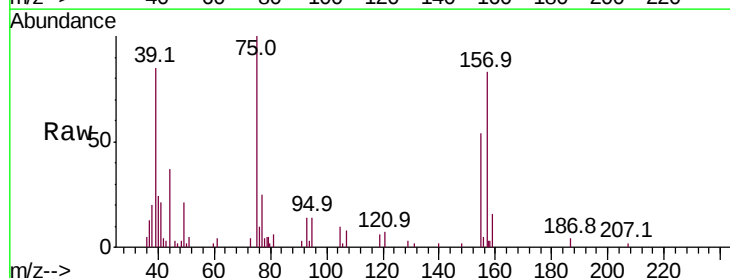
Tgt Ion: 75 Resp: 8083

Ion Ratio Lower Upper

75 100

155 54.4 49.7 149.1

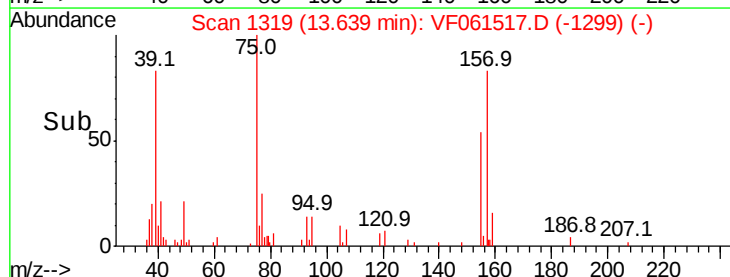
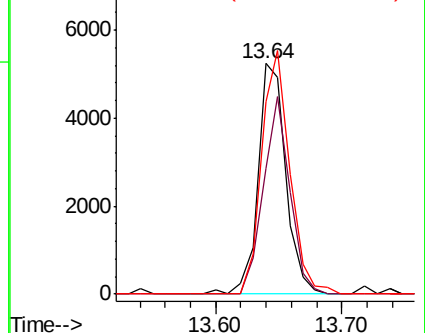
157 83.3 61.4 184.1

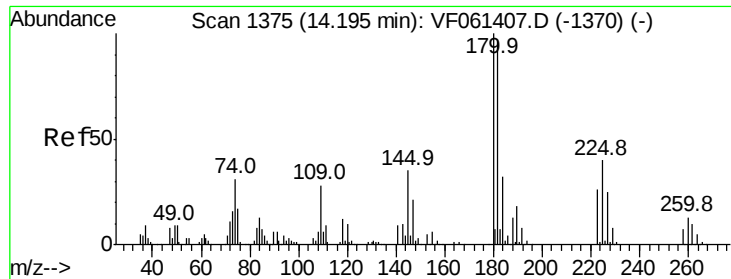


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

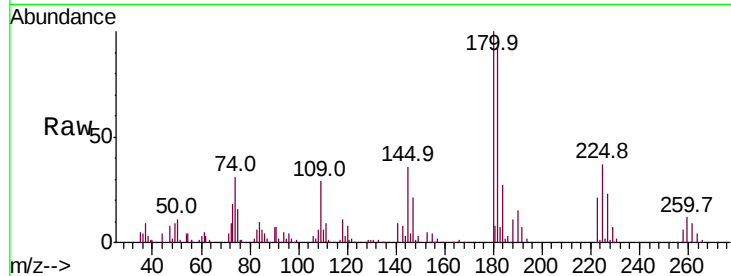




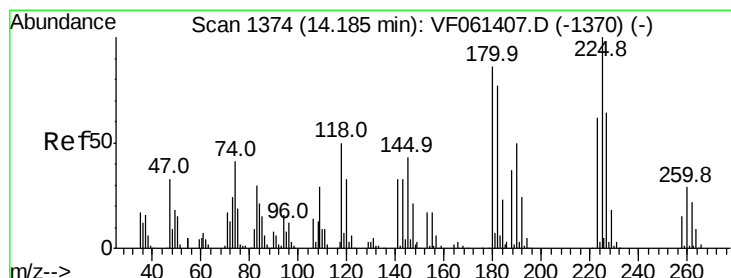
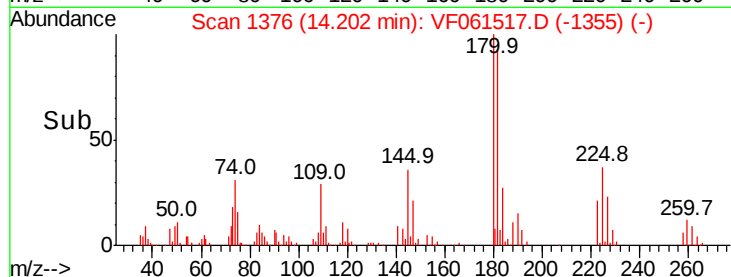
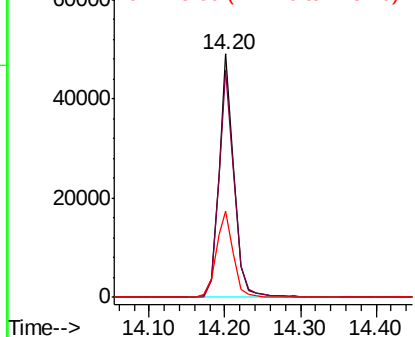
#93
 1,2,4-Trichlorobenzene
 Concen: 19.974 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VF061517.D
 Acq: 25 Jan 2019 13:13

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:180 Resp: 68552
 Ion Ratio Lower Upper
 180 100
 182 93.5 48.5 145.6
 145 35.6 17.5 52.6

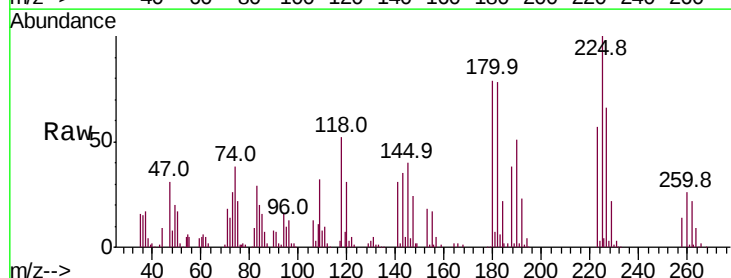


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

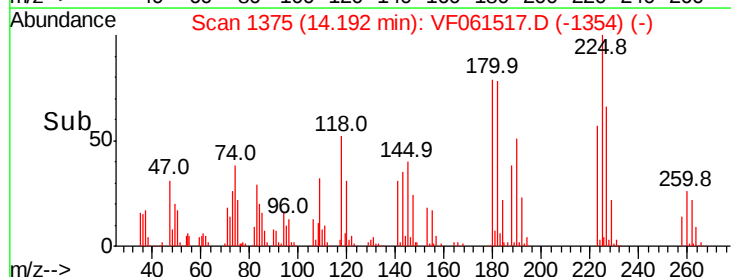
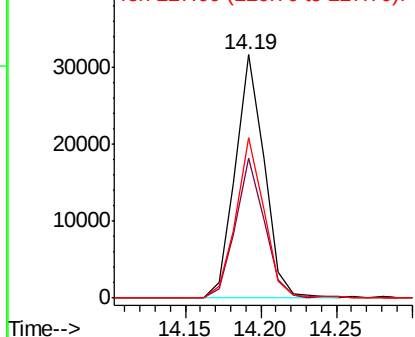


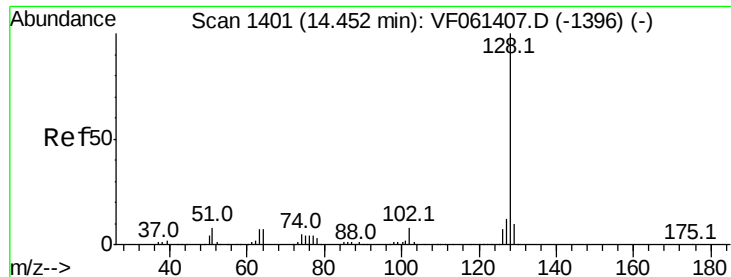
#94
 Hexachlorobutadiene
 Concen: 19.753 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. 0.01 min
 Lab File: VF061517.D
 Acq: 25 Jan 2019 13:13

Tgt Ion:225 Resp: 42068
 Ion Ratio Lower Upper
 225 100
 223 57.3 31.1 93.2
 227 65.9 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: 20.124 ug/l

RT: 14.46 min Scan# 1402

Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

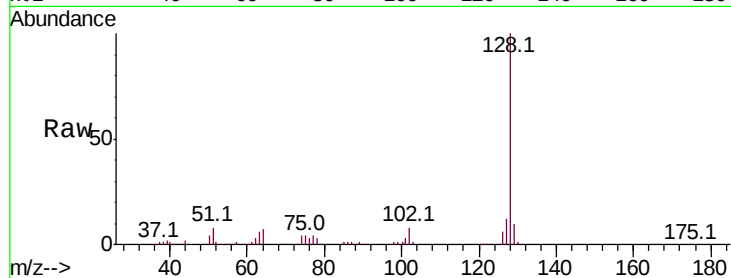
Tot Ion:128 Resp: 131222

Ion Ratio Lower Upper

128 100

127 12.3 9.5 14.3

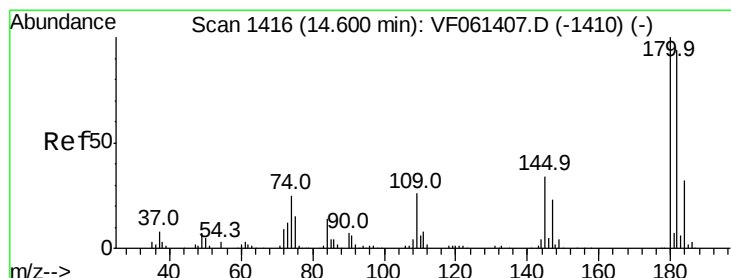
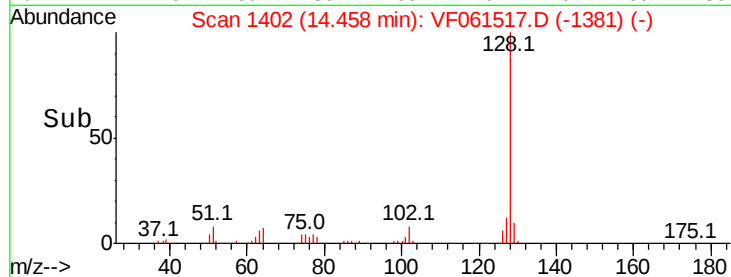
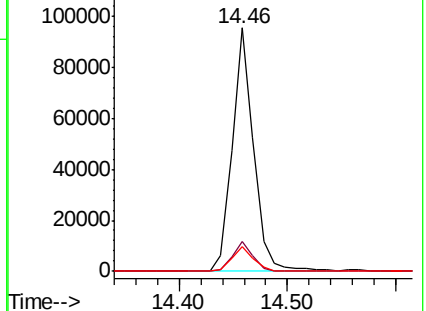
129 10.1 8.4 12.6



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: 19.666 ug/l

RT: 14.61 min Scan# 1417

Delta R.T. 0.01 min

Lab File: VF061517.D

Acq: 25 Jan 2019 13:13

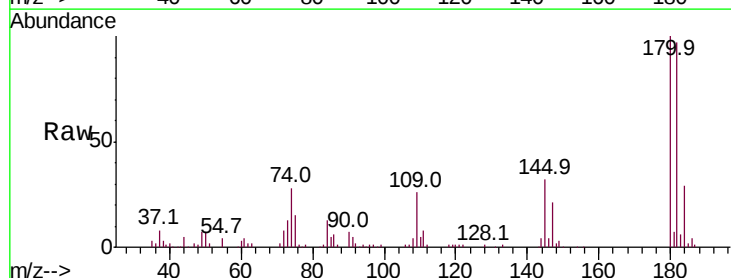
Tgt Ion:180 Resp: 62480

Ion Ratio Lower Upper

180 100

182 96.5 47.0 141.2

145 32.0 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

