

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010719\
 Data File : VF061274.D
 Acq On : 7 Jan 2019 12:47
 Operator : VA/AP
 Sample : VF0107SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0107SBS01

Quant Time: Jan 08 00:13:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010319S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 03:27:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	188331	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.57	114	309206	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.75	117	290032	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.53	152	141446	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.81	65	99448	41.60	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	83.20%	
35) Dibromofluoromethane	4.08	113	122930	51.68	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	103.36%	
50) Toluene-d8	7.52	98	344743	48.84	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	97.68%	
62) 4-Bromofluorobenzene	11.39	95	155027	49.56	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	99.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.95	85	75276	20.817	ug/l	98
3) Chloromethane	1.08	50	63972	23.093	ug/l	97
4) Vinyl Chloride	1.13	62	59412	24.760	ug/l	98
5) Bromomethane	1.29	94	42410	25.852	ug/l	98
6) Chloroethane	1.37	64	27334	25.136	ug/l	89
7) Trichlorofluoromethane	1.46	101	105032	24.324	ug/l	99
8) Diethyl Ether	1.62	74	13169	21.378	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.80	101	53439	24.771	ug/l	94
10) Methyl Iodide	1.83	142	82900	23.784	ug/l	94
11) Tert butyl alcohol	2.55	59	6790	67.310	ug/l #	92
12) 1,1-Dichloroethene	1.74	96	41544	22.909	ug/l	97
13) Acrolein	1.99	56	10158	120.714	ug/l	95
14) Allyl chloride	2.08	41	79094	31.549	ug/l	96
15) Acrylonitrile	2.92	53	26820	99.449	ug/l	98
16) Acetone	2.22	43	53124	117.982	ug/l	96
17) Carbon Disulfide	1.75	76	144886	26.238	ug/l #	92
18) Methyl Acetate	2.32	43	19748	20.122	ug/l #	91
19) Methyl tert-butyl Ether	2.41	73	71534	18.924	ug/l	95
20) Methylene Chloride	2.17	84	42605	20.374	ug/l	94
21) trans-1,2-Dichloroethene	2.29	96	45490	23.851	ug/l	92
22) Diisopropyl ether	2.78	45	134050	21.265	ug/l	98
23) Vinyl Acetate	3.16	43	190219	65.889	ug/l	99
24) 1,1-Dichloroethane	2.86	63	82355	22.282	ug/l	95
25) 2-Butanone	4.31	43	75492	85.525	ug/l	98
26) 2,2-Dichloropropane	3.58	77	64466	30.289	ug/l	96
27) cis-1,2-Dichloroethene	3.45	96	60904	21.731	ug/l	98
28) Bromochloromethane	3.69	49	36073	20.617	ug/l	87
29) Tetrahydrofuran	4.04	42	29639	90.565	ug/l	99
30) Chloroform	3.83	83	104606	20.234	ug/l	100
31) Cyclohexane	3.67	56	93022	23.746	ug/l	92
32) 1,1,1-Trichloroethane	4.07	97	91039	27.111	ug/l	97
36) 1,1-Dichloropropene	4.25	75	80112	21.999	ug/l	96
37) Ethyl Acetate	4.08	43	25915	17.823	ug/l #	71
38) Carbon Tetrachloride	3.96	117	98630	33.830	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 03:27:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.42	83	96062	24.677	ug/l	95
40) Benzene	4.60	78	177861	21.520	ug/l	99
41) Methacrylonitrile	4.72	41	15756	20.033	ug/l #	93
42) 1,2-Dichloroethane	4.92	62	55243	19.978	ug/l	97
43) Isopropyl Acetate	6.93	43	33018	17.019	ug/l #	99
44) Trichloroethene	5.48	130	53973	20.980	ug/l	96
45) 1,2-Dichloropropane	6.21	63	46312	21.948	ug/l	95
46) Dibromomethane	6.06	93	26838	19.330	ug/l	97
47) Bromodichloromethane	6.36	83	69553	19.680	ug/l	96
48) Methyl methacrylate	6.68	41	21780	17.337	ug/l	89
49) 1,4-Dioxane	6.67	88	2707	310.983	ug/l	93
51) 4-Methyl-2-Pentanone	8.23	43	134382	104.582	ug/l	94
52) Toluene	7.60	92	112839	20.910	ug/l	96
53) t-1,3-Dichloropropene	8.25	75	56106	19.474	ug/l	98
54) cis-1,3-Dichloropropene	7.28	75	72638	19.836	ug/l	97
55) 1,1,2-Trichloroethane	8.47	97	31303	20.170	ug/l #	87
56) Ethyl methacrylate	8.59	69	33419	19.485	ug/l	95
57) 1,3-Dichloropropane	8.82	76	55460	19.011	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.27	63	8511	40.863	ug/l	98
59) 2-Hexanone	9.47	43	98512	100.985	ug/l	94
60) Dibromochloromethane	8.69	129	43900	19.915	ug/l	92
61) 1,2-Dibromoethane	8.96	107	31606	18.870	ug/l	97
64) Tetrachloroethene	8.12	164	45699	20.560	ug/l	97
65) Chlorobenzene	9.77	112	123068	20.868	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.90	131	52665	21.745	ug/l	96
67) Ethyl Benzene	9.87	91	242062	22.328	ug/l	99
68) m/p-Xylenes	10.11	106	178541	45.126	ug/l	99
69) o-Xylene	10.69	106	94387	22.053	ug/l	91
70) Styrene	10.77	104	124777	21.178	ug/l	96
71) Bromoform	10.75	173	21354	18.938	ug/l	99
73) Isopropylbenzene	11.10	105	295259	24.574	ug/l	97
74) N-amyl acetate	11.35	43	63104	20.803	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.67	83	44693	21.296	ug/l	92
76) 1,2,3-Trichloropropane	11.77	75	33046	21.211	ug/l	96
77) Bromobenzene	11.48	156	52811	20.938	ug/l	97
78) n-propylbenzene	11.58	91	341466	23.843	ug/l	99
79) 2-Chlorotoluene	11.69	91	197720	23.905	ug/l	97
80) 1,3,5-Trimethylbenzene	11.80	105	238653	24.604	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.85	75	19074	26.712	ug/l	89
82) 4-Chlorotoluene	11.88	91	198319	23.653	ug/l	99
83) tert-Butylbenzene	12.11	119	229270	22.925	ug/l	99
84) 1,2,4-Trimethylbenzene	12.19	105	229530	23.770	ug/l	98
85) sec-Butylbenzene	12.29	105	332943	24.543	ug/l	98
86) p-Isopropyltoluene	12.44	119	272537	24.382	ug/l	99
87) 1,3-Dichlorobenzene	12.45	146	113061	23.230	ug/l	98
88) 1,4-Dichlorobenzene	12.54	146	104868	22.083	ug/l	94
89) n-Butylbenzene	12.83	91	287204	25.137	ug/l	98
90) Hexachloroethane	12.90	117	62031	22.494	ug/l	98
91) 1,2-Dichlorobenzene	12.93	146	105998	22.545	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.63	75	7690	20.390	ug/l	81

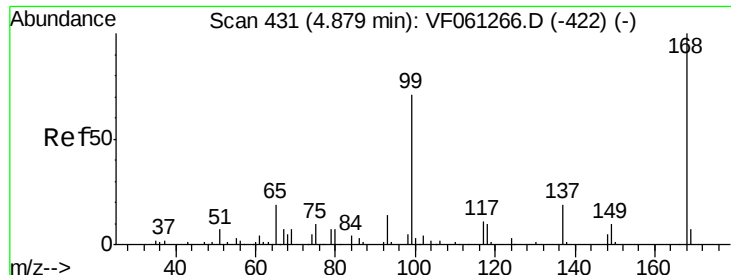
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010719\
Data File : VF061274.D
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	76682	23.291	ug/l	93
94) Hexachlorobutadiene	14.17	225	46099	21.977	ug/l	97
95) Naphthalene	14.44	128	127776	20.763	ug/l	99
96) 1,2,3-Trichlorobenzene	14.58	180	65030	21.303	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.04 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

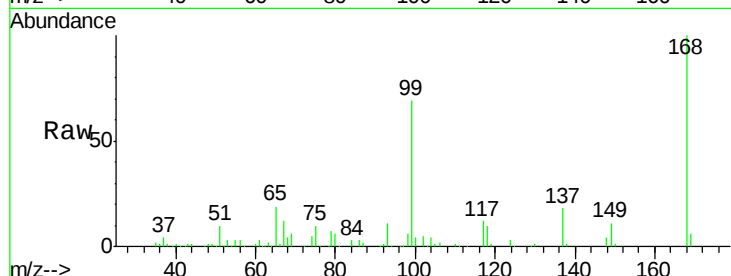
VF0107SBS01

Tot Ion:168 Resp: 188331

Ion Ratio Lower Upper

168 100

99 68.6 57.0 85.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.84

60000

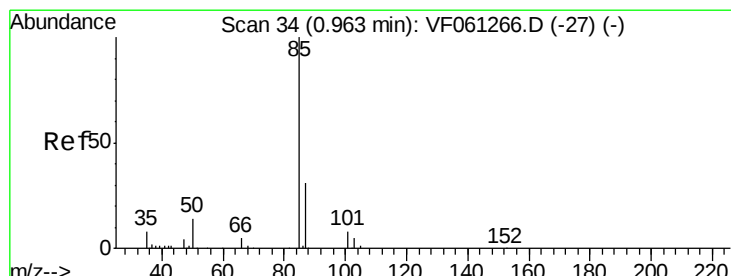
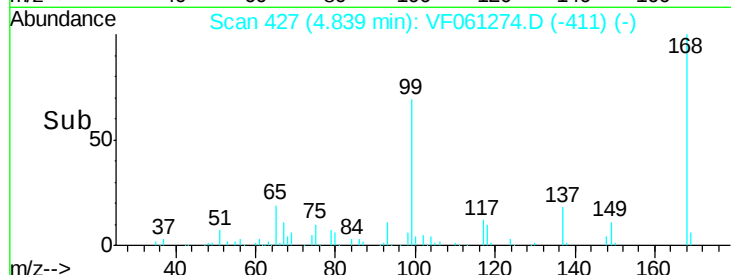
40000

20000

0

Time-->

4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 20.817 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.01 min

Lab File: VF061274.D

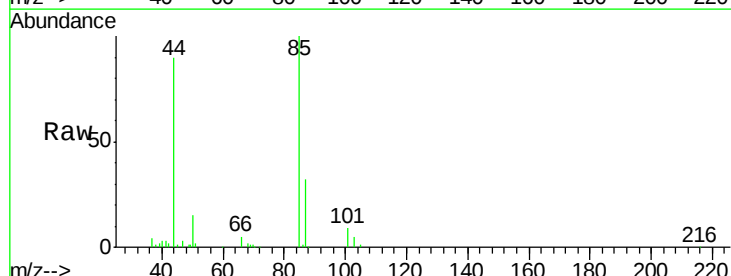
Acq: 7 Jan 2019 12:47

Tgt Ion: 85 Resp: 75276

Ion Ratio Lower Upper

85 100

87 32.1 15.6 46.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

25000

20000

15000

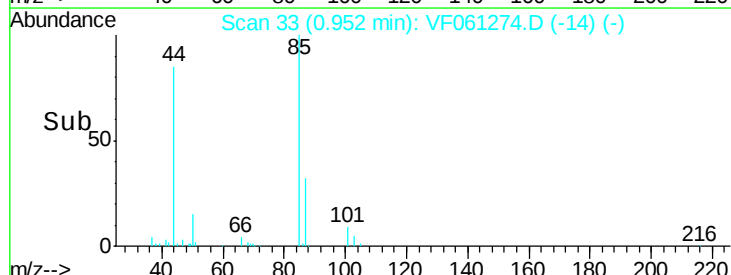
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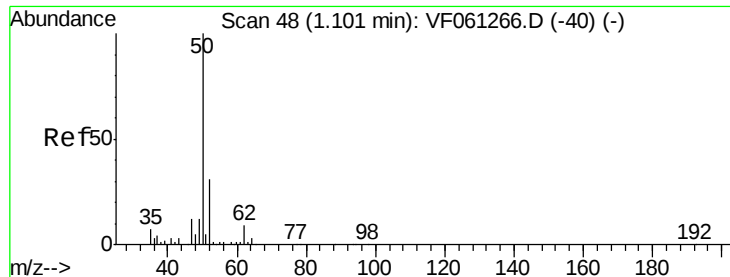
5000

0

Time-->

0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 23.093 ug/l

RT: 1.08 min Scan# 46

Delta R.T. -0.02 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

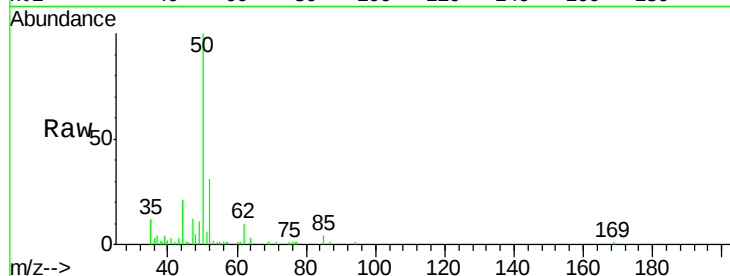
VF0107SBS01

Tot Ion: 50 Resp: 63972

Ion Ratio Lower Upper

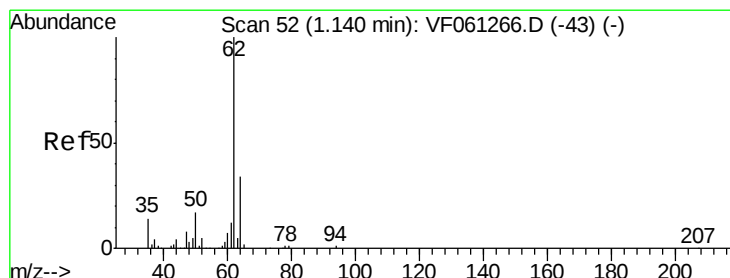
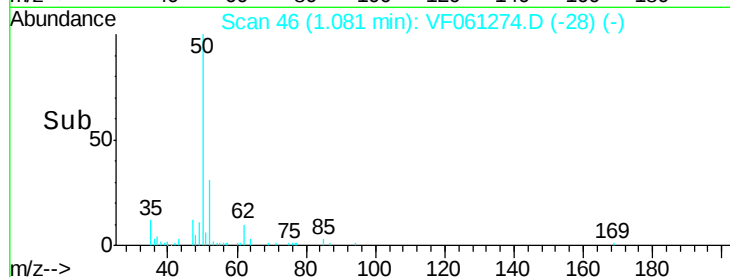
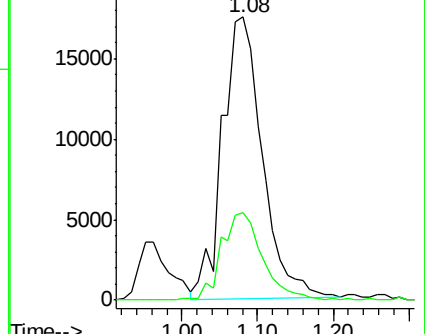
50 100

52 31.1 23.4 35.2



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 24.760 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF061274.D

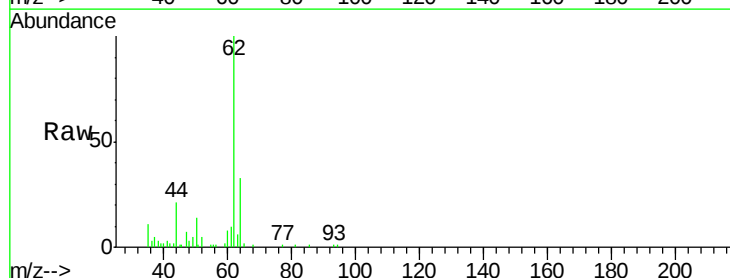
Acq: 7 Jan 2019 12:47

Tgt Ion: 62 Resp: 59412

Ion Ratio Lower Upper

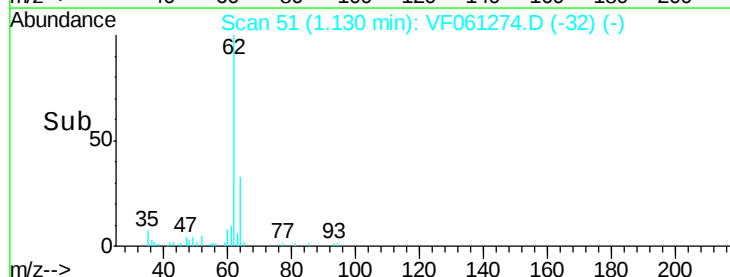
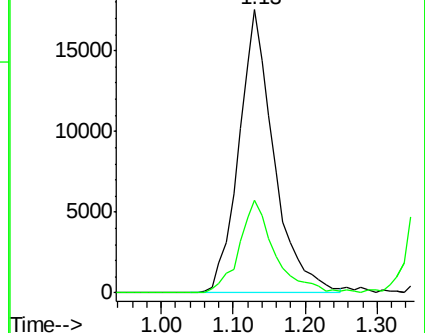
62 100

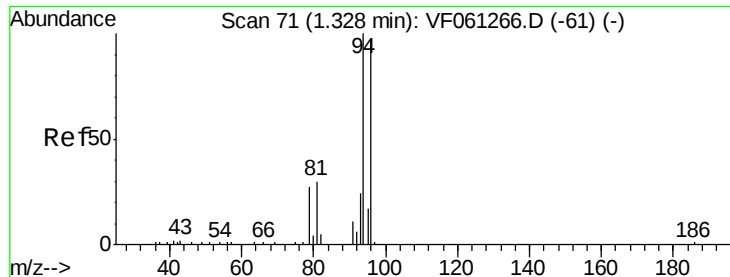
64 32.7 26.9 40.3



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 25.852 ug/l

RT: 1.29 min Scan# 67

Delta R.T. -0.04 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

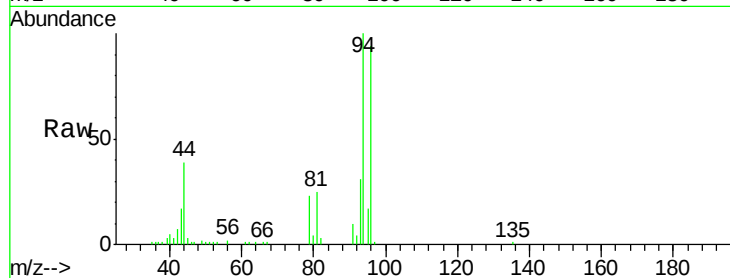
VF0107SBS01

Tot Ion: 94 Resp: 42410

Ion Ratio Lower Upper

94 100

96 94.1 77.2 115.8



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.29

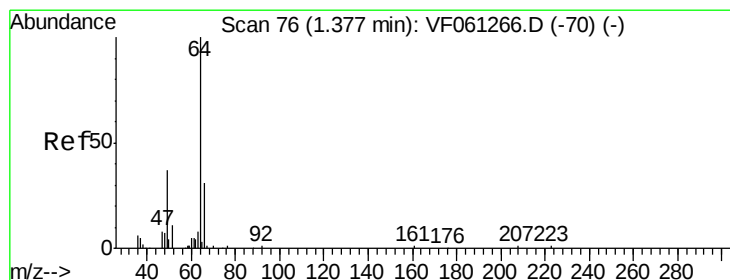
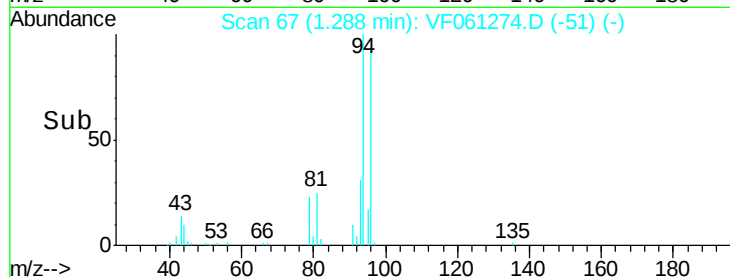
15000

10000

5000

0

Time--> 1.10 1.20 1.30 1.40 1.50



#6

Chloroethane

Concen: 25.136 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.01 min

Lab File: VF061274.D

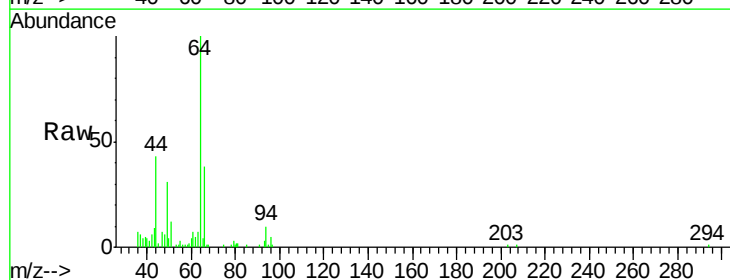
Acq: 7 Jan 2019 12:47

Tgt Ion: 64 Resp: 27334

Ion Ratio Lower Upper

64 100

66 37.6 25.2 37.8



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

1.37

12000

10000

8000

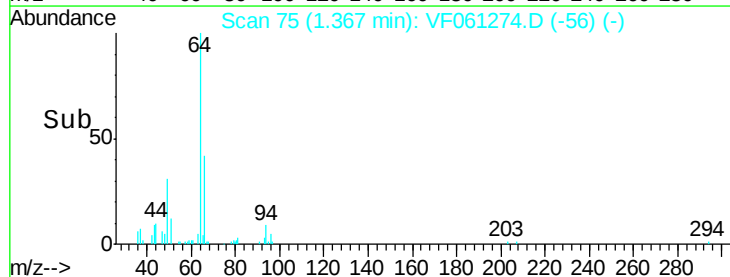
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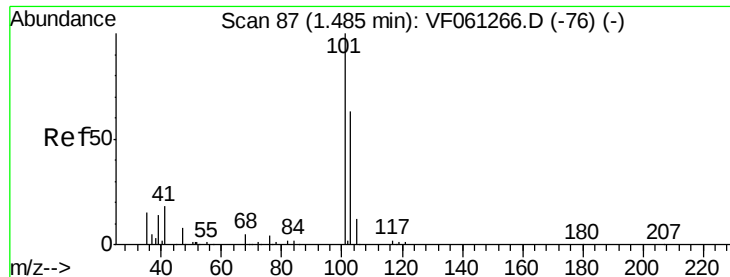
4000

2000

0

Time--> 1.20 1.30 1.40 1.50 1.60



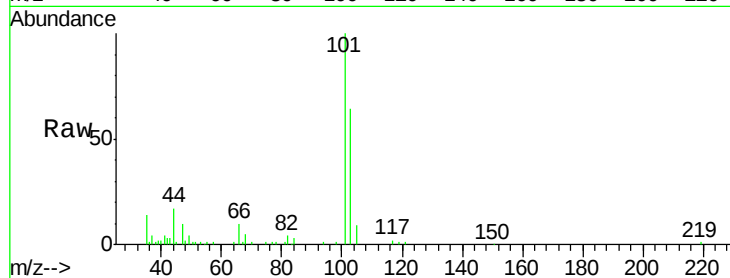


#7

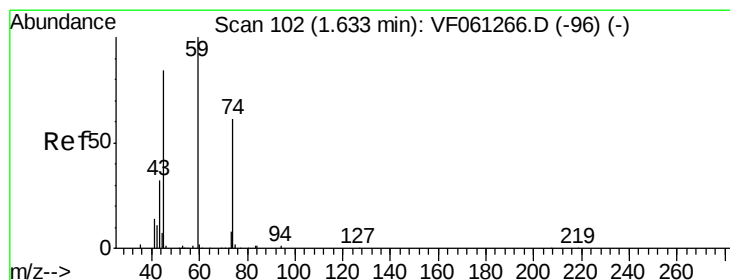
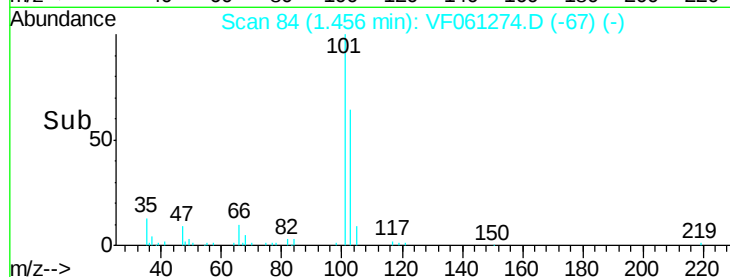
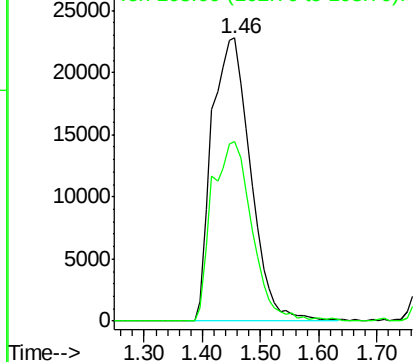
Trichlorofluoromethane
 Concen: 24.324 ug/l
 RT: 1.46 min Scan# 84
 Delta R.T. -0.03 min
 Lab File: VF061274.D
 Acq: 7 Jan 2019 12:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0107SBS01

Tot Ion:101 Resp: 105032
 Ion Ratio Lower Upper
 101 100
 103 63.7 50.3 75.5



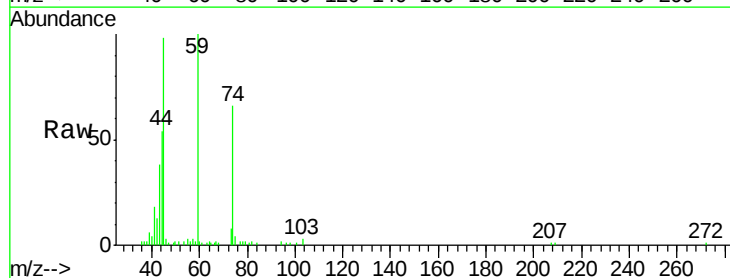
Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V



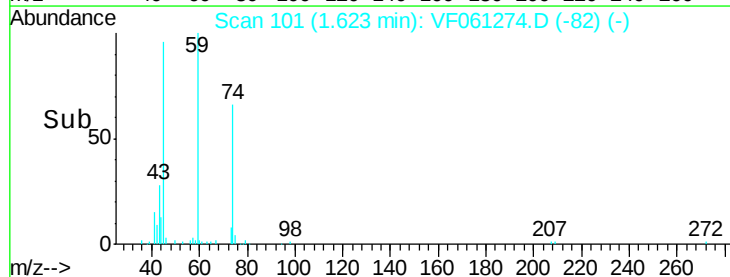
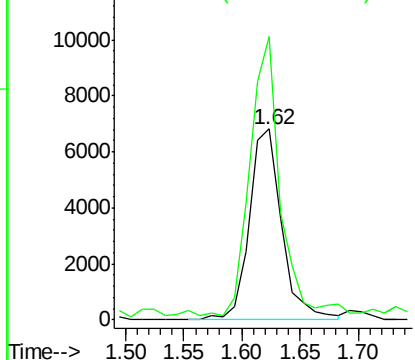
#8

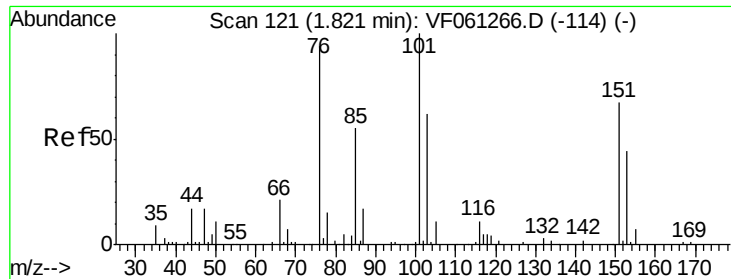
Diethyl Ether
 Concen: 21.378 ug/l
 RT: 1.62 min Scan# 101
 Delta R.T. -0.01 min
 Lab File: VF061274.D
 Acq: 7 Jan 2019 12:47

Tgt Ion: 74 Resp: 13169
 Ion Ratio Lower Upper
 74 100
 45 148.5 69.0 207.0



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: 24.771 ug/l

RT: 1.80 min Scan# 119

Delta R.T. -0.02 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBS01

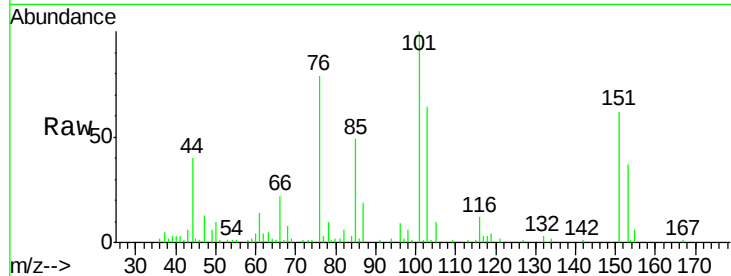
Tot Ion:101 Resp: 53439

Ion Ratio Lower Upper

101 100

85 48.6 42.9 64.3

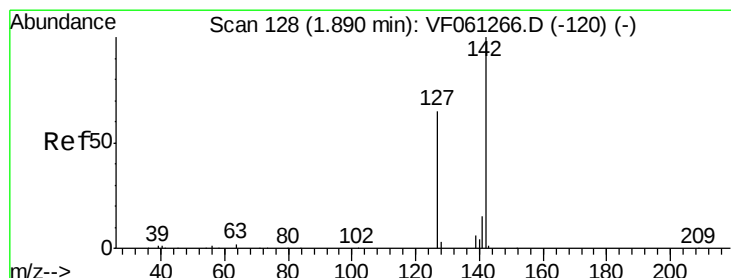
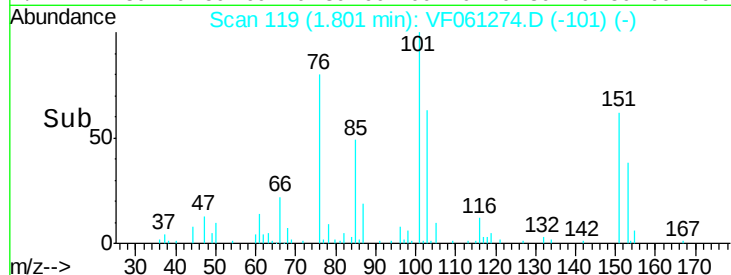
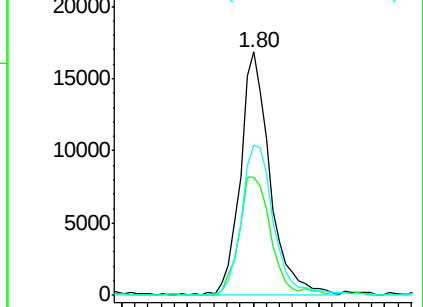
151 61.9 52.4 78.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 23.784 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.06 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

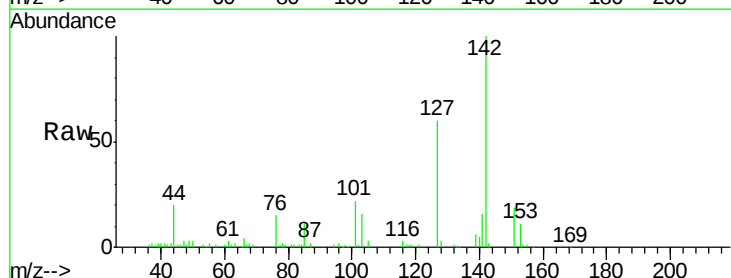
Tgt Ion:142 Resp: 82900

Ion Ratio Lower Upper

142 100

127 60.3 52.3 78.5

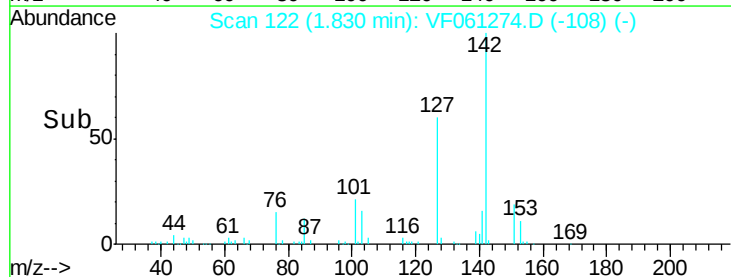
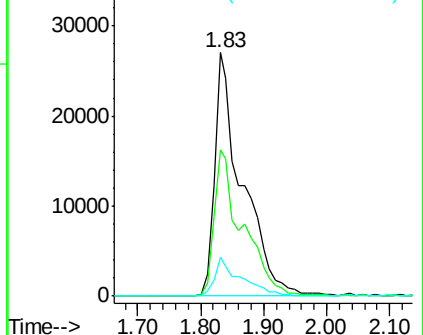
141 16.0 12.2 18.4

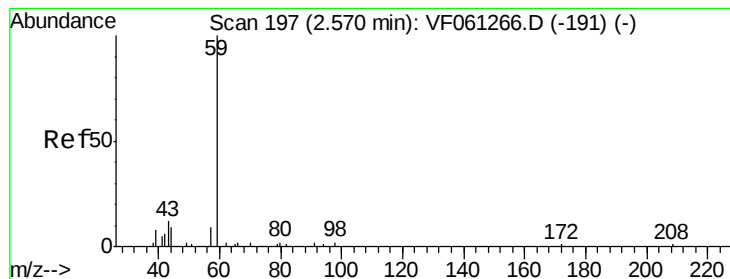


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



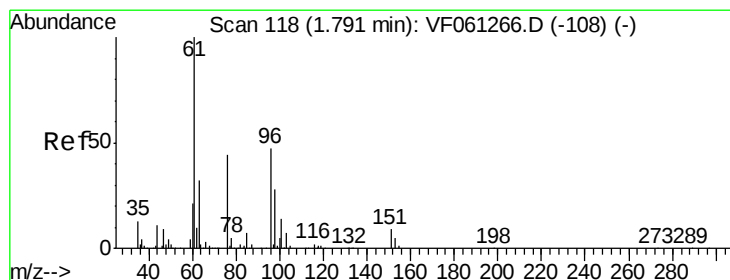
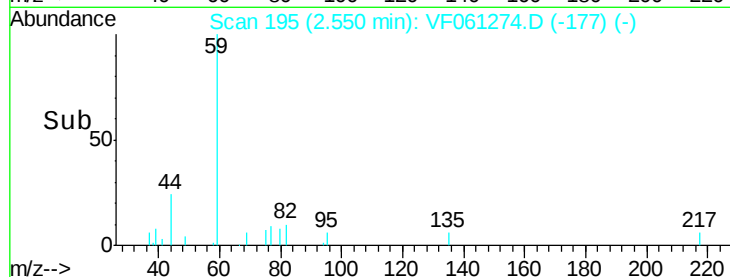
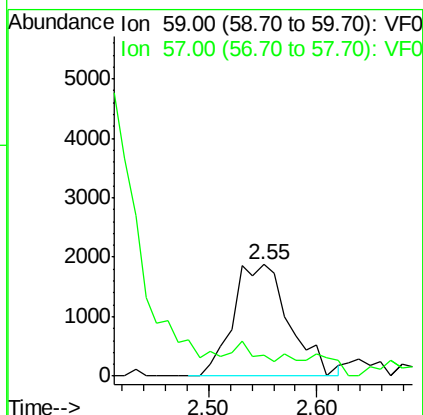
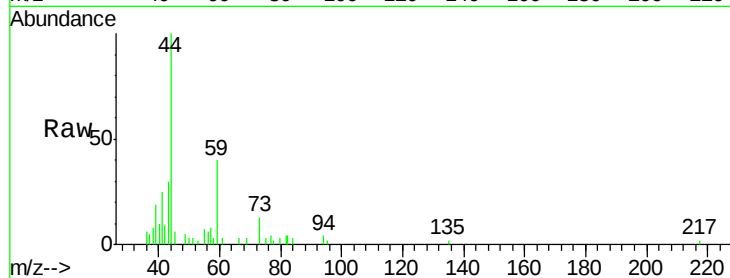


#11

Tert butyl alcohol
Concen: 67.310 ug/l
RT: 2.55 min Scan# 195
Delta R.T. -0.02 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

Instrument :
MSVOA_F
ClientSampleId :
VF0107SBS01

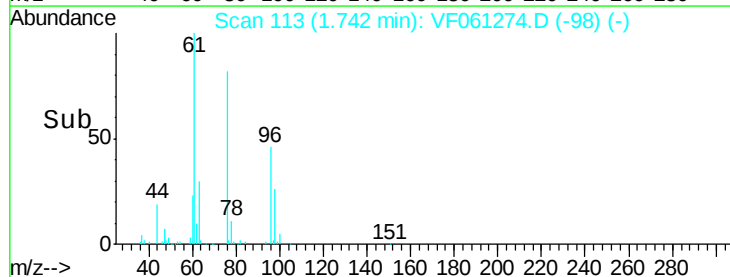
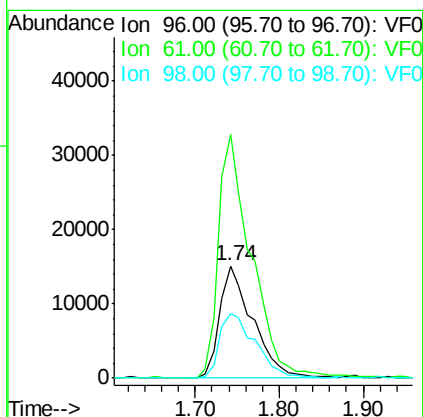
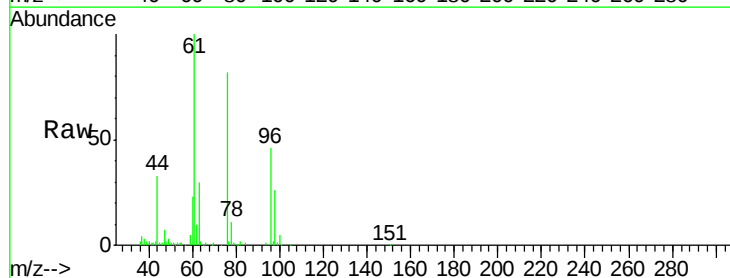
Tot Ion: 59 Resp: 6790
Ion Ratio Lower Upper
59 100
57 18.9 12.6 18.8#

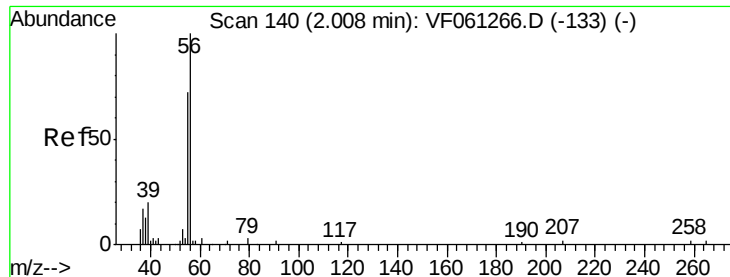


#12

1,1-Dichloroethene
Concen: 22.909 ug/l
RT: 1.74 min Scan# 113
Delta R.T. -0.05 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

Tgt Ion: 96 Resp: 41544
Ion Ratio Lower Upper
96 100
61 217.6 171.6 257.4
98 57.1 48.6 72.8





#13

Acrolein

Concen: 120.714 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

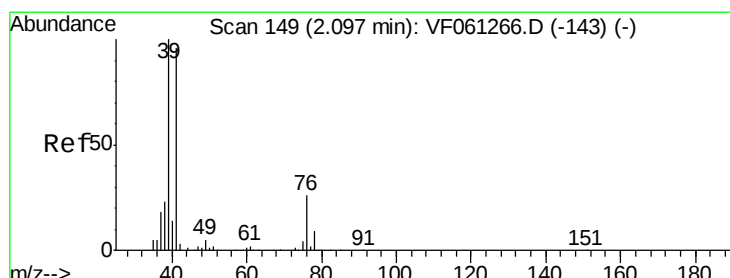
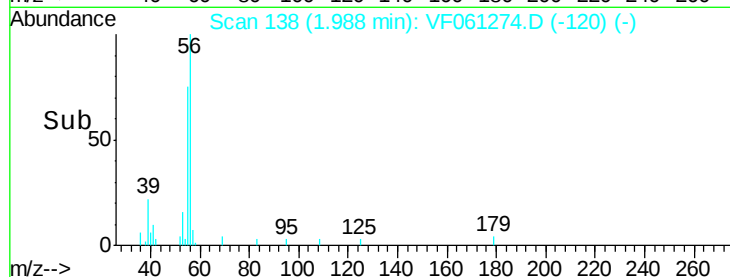
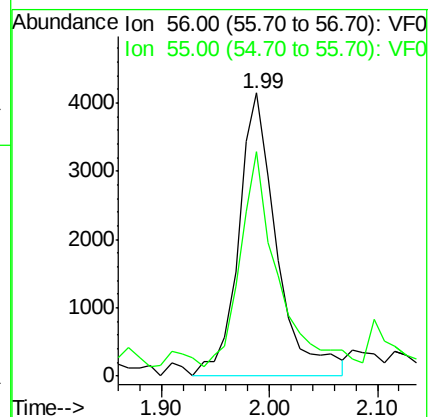
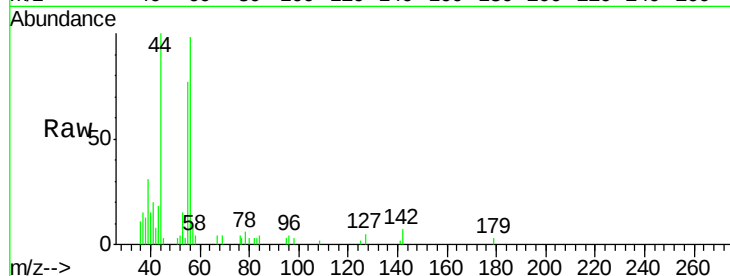
VF0107SBS01

Tot Ion: 56 Resp: 10158

Ion Ratio Lower Upper

56 100

55 79.2 59.7 89.5



#14

Allyl chloride

Concen: 31.549 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.02 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

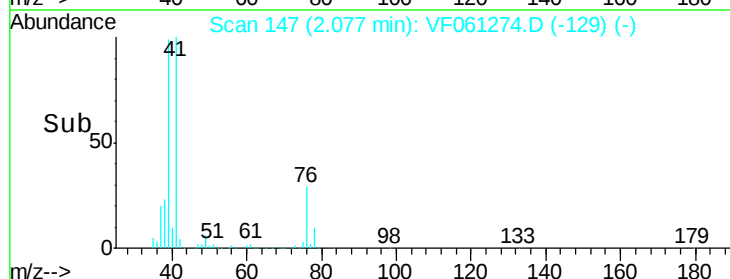
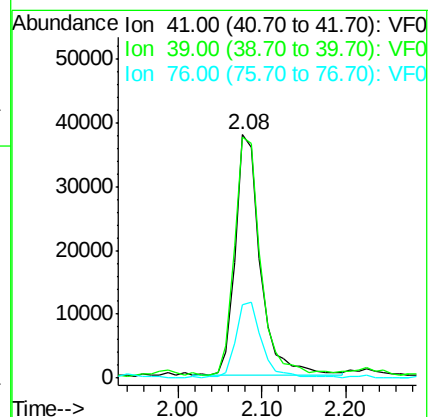
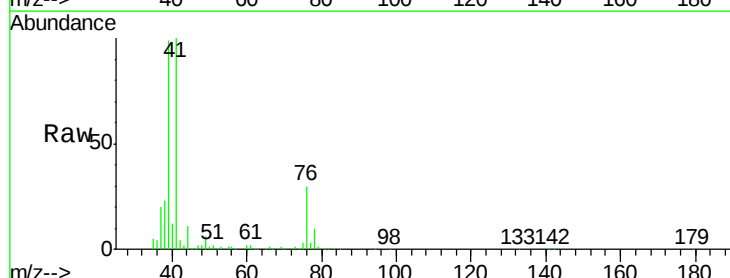
Tgt Ion: 41 Resp: 79094

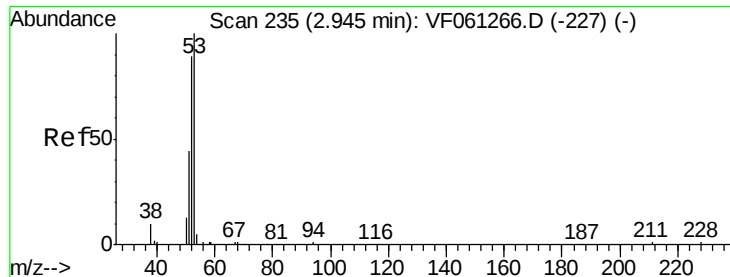
Ion Ratio Lower Upper

41 100

39 99.0 83.4 125.2

76 30.2 23.9 35.9





#15

Acrylonitrile

Concen: 99.449 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.03 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBS01

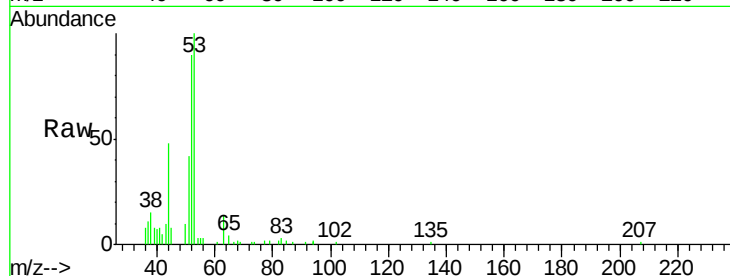
Tot Ion: 53 Resp: 26820

Ion Ratio Lower Upper

53 100

52 90.2 71.3 106.9

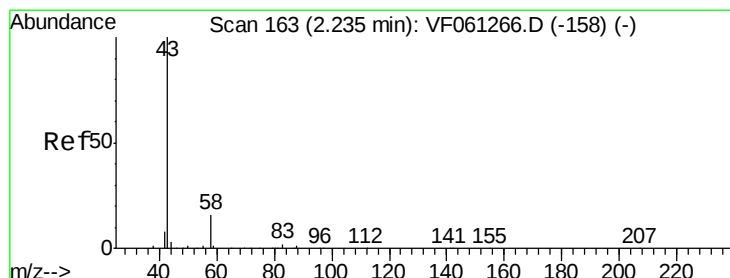
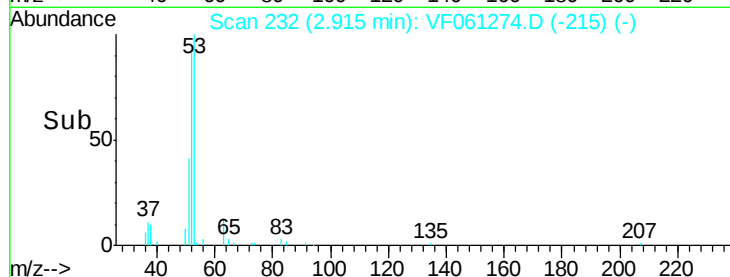
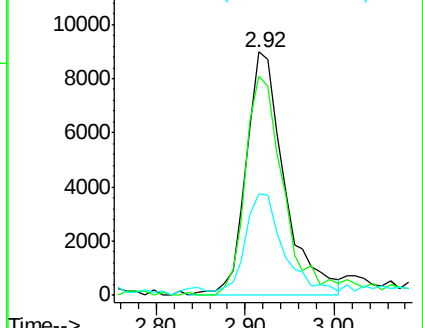
51 42.0 36.2 54.4



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 117.982 ug/l

RT: 2.22 min Scan# 161

Delta R.T. -0.02 min

Lab File: VF061274.D

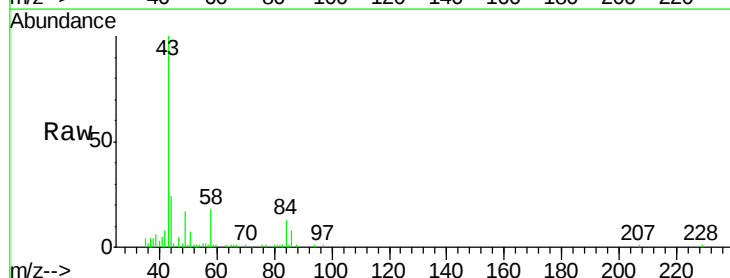
Acq: 7 Jan 2019 12:47

Tgt Ion: 43 Resp: 53124

Ion Ratio Lower Upper

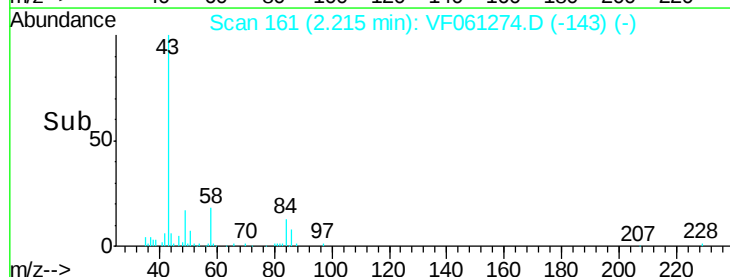
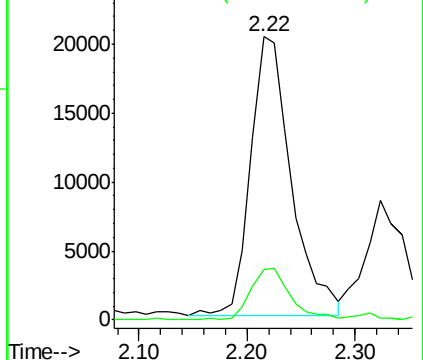
43 100

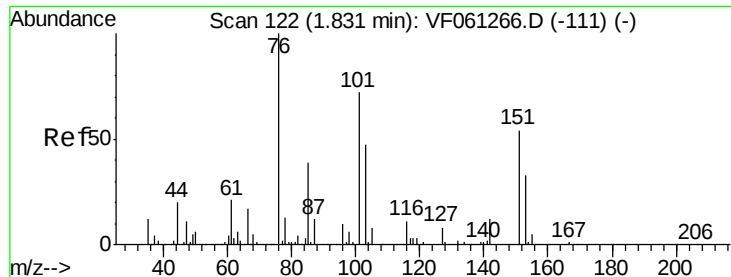
58 18.0 13.0 19.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

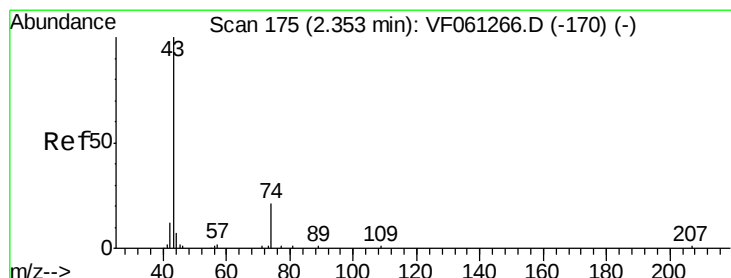
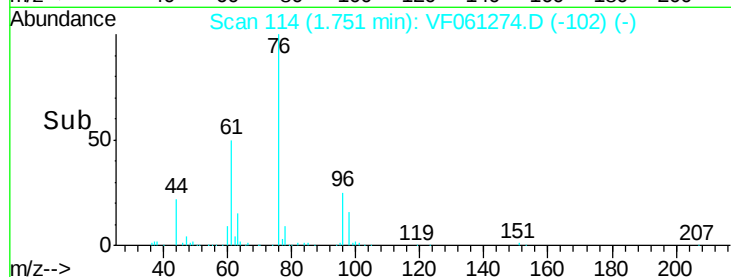
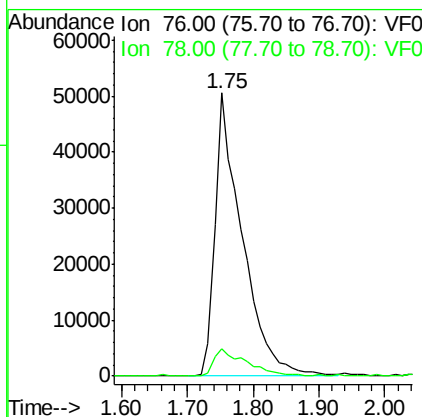
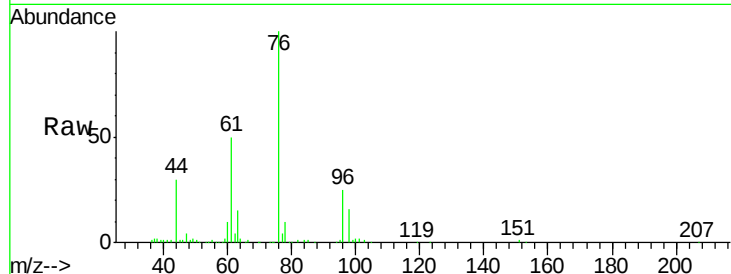




#17
Carbon Disulfide
Concen: 26.238 ug/l
RT: 1.75 min Scan# 114
Delta R.T. -0.08 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

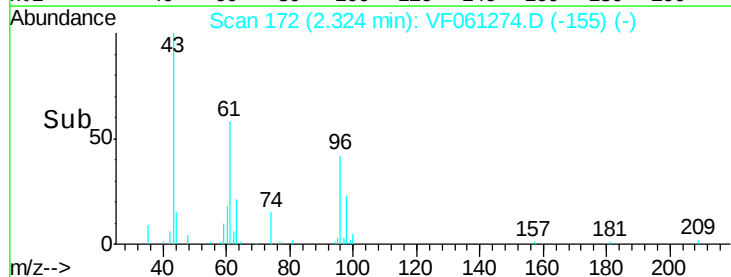
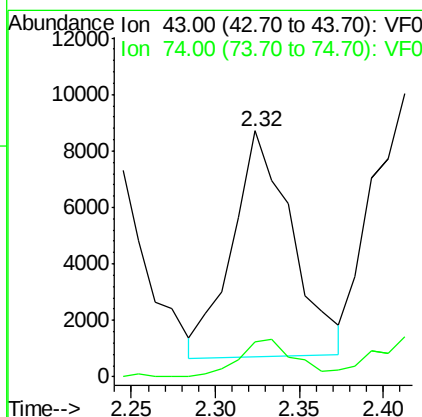
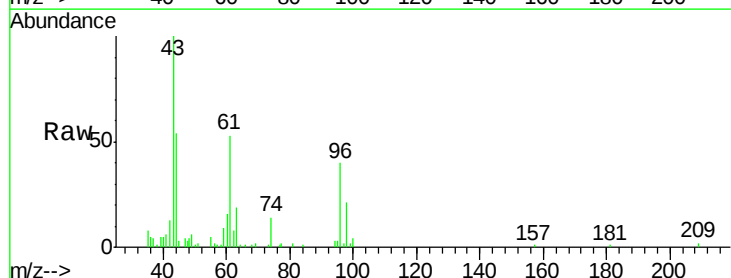
Instrument :
MSVOA_F
ClientSampleId :
VF0107SBS01

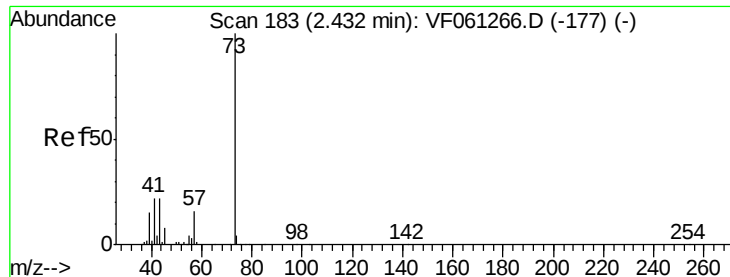
Tot Ion: 76 Resp: 144886
Ion Ratio Lower Upper
76 100
78 9.5 10.2 15.4#



#18
Methyl Acetate
Concen: 20.122 ug/l
RT: 2.32 min Scan# 172
Delta R.T. -0.03 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

Tgt Ion: 43 Resp: 19748
Ion Ratio Lower Upper
43 100
74 14.0 14.4 21.6#



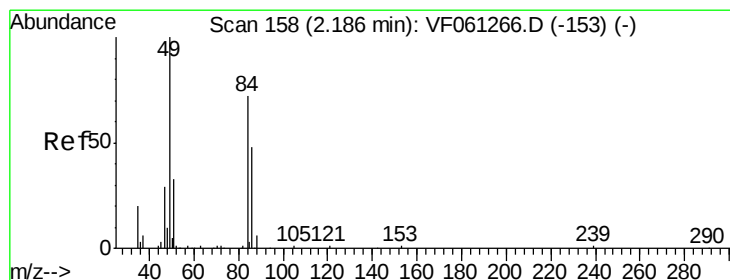
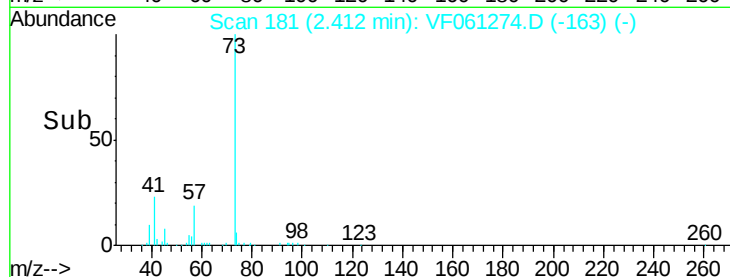
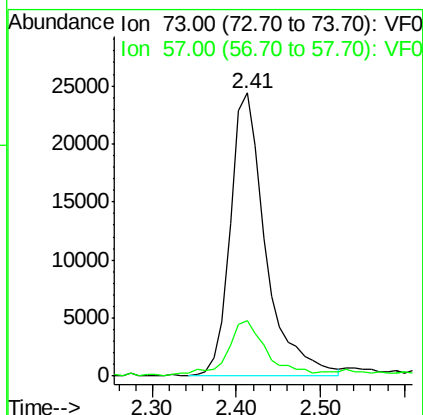
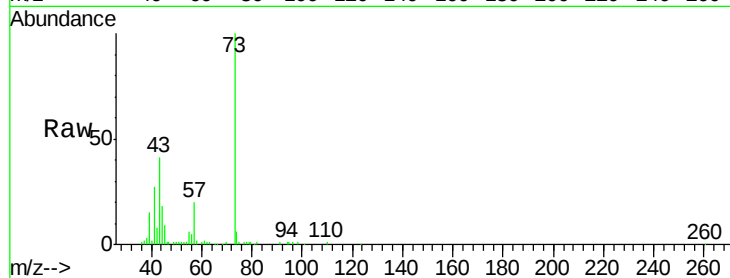


#19

Methyl tert-butyl Ether
 Concen: 18.924 ug/l
 RT: 2.41 min Scan# 181
 Delta R.T. -0.02 min
 Lab File: VF061274.D
 Acq: 7 Jan 2019 12:47

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0107SBS01

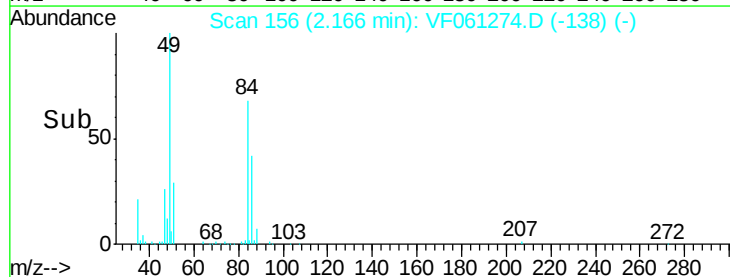
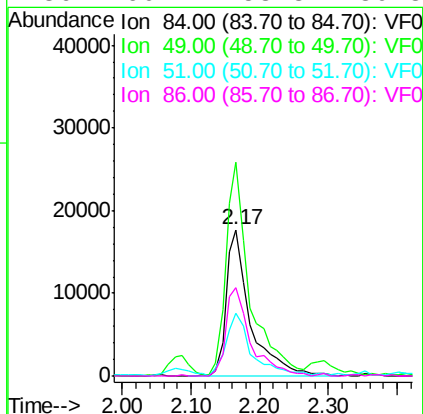
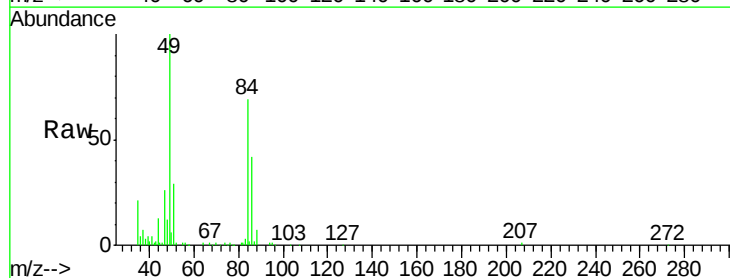
Tot Ion: 73 Resp: 71534
 Ion Ratio Lower Upper
 73 100
 57 19.5 14.0 21.0

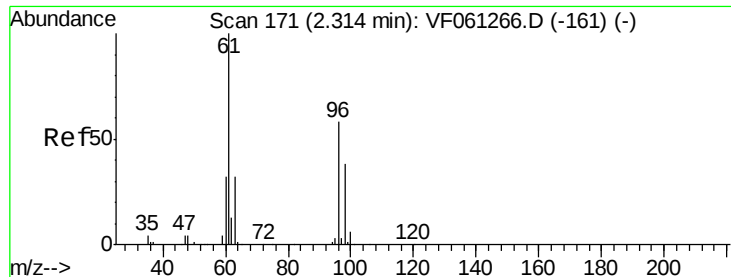


#20

Methylene Chloride
 Concen: 20.374 ug/l
 RT: 2.17 min Scan# 156
 Delta R.T. -0.02 min
 Lab File: VF061274.D
 Acq: 7 Jan 2019 12:47

Tgt Ion: 84 Resp: 42605
 Ion Ratio Lower Upper
 84 100
 49 145.9 112.9 169.3
 51 42.5 37.9 56.9
 86 60.7 53.8 80.8





#21

trans-1,2-Dichloroethene

Concen: 23.851 ug/l

RT: 2.29 min Scan# 169

Delta R.T. -0.02 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBS01

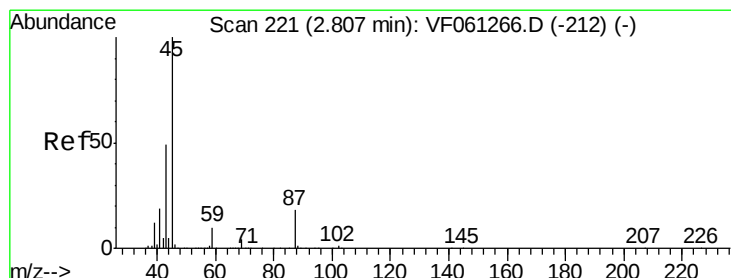
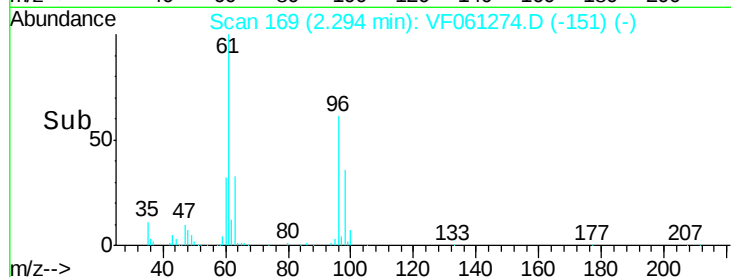
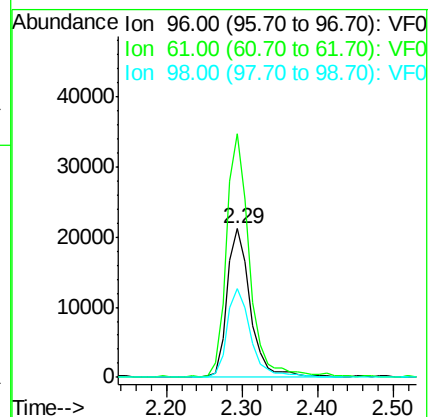
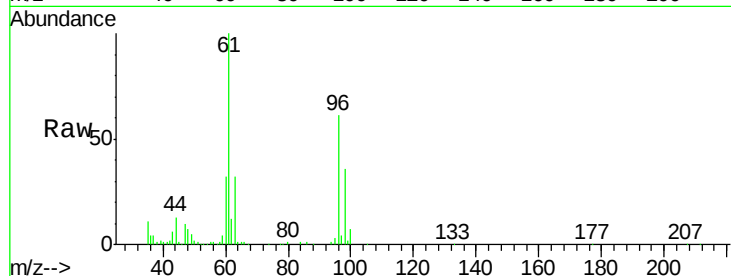
Tot Ion: 96 Resp: 45490

Ion Ratio Lower Upper

96 100

61 163.6 139.3 208.9

98 59.4 52.6 78.8



#22

Diisopropyl ether

Concen: 21.265 ug/l

RT: 2.78 min Scan# 218

Delta R.T. -0.03 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Tgt Ion: 45 Resp: 134050

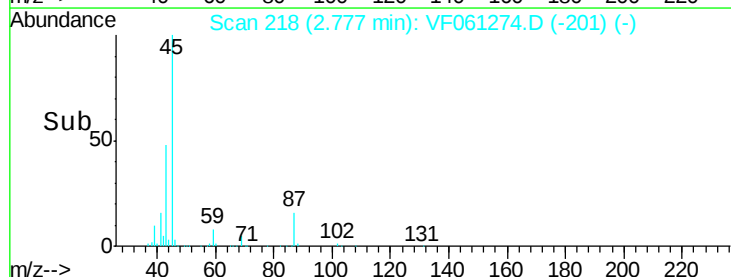
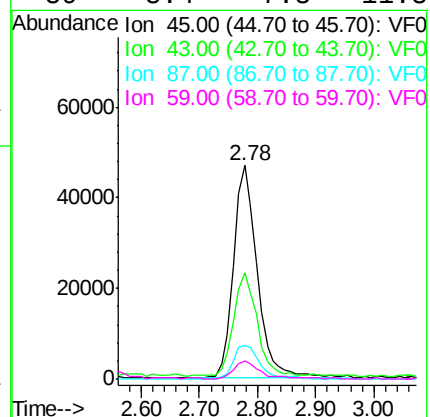
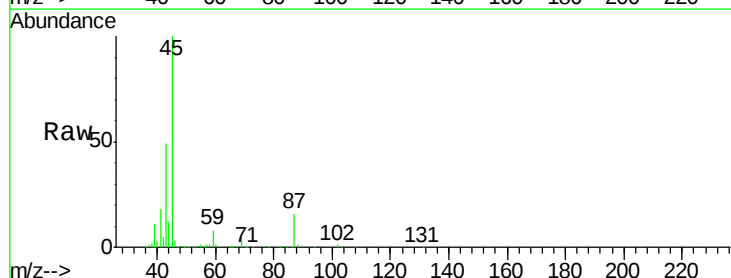
Ion Ratio Lower Upper

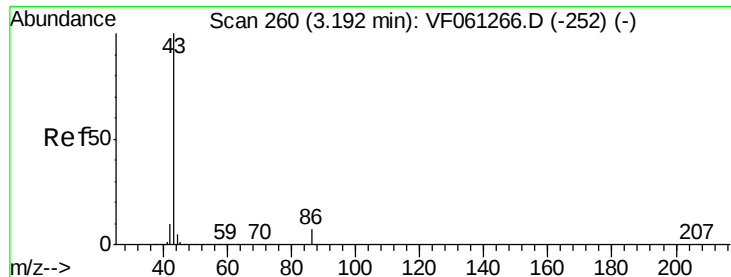
45 100

43 49.5 39.5 59.3

87 15.6 14.8 22.2

59 8.4 7.8 11.8





#23

Vinyl Acetate

Concen: 65.889 ug/l

RT: 3.16 min Scan# 257

Delta R.T. -0.03 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

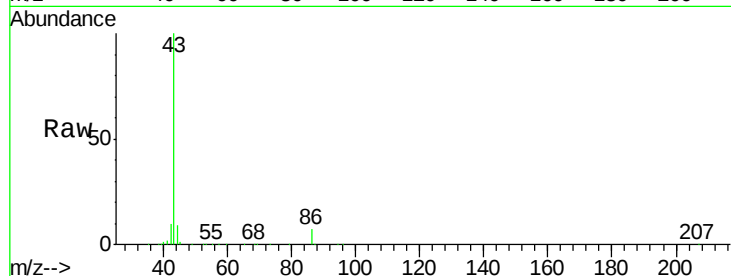
VF0107SBS01

Tot Ion: 43 Resp: 190219

Ion Ratio Lower Upper

43 100

86 7.1 6.0 9.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.16

80000

60000

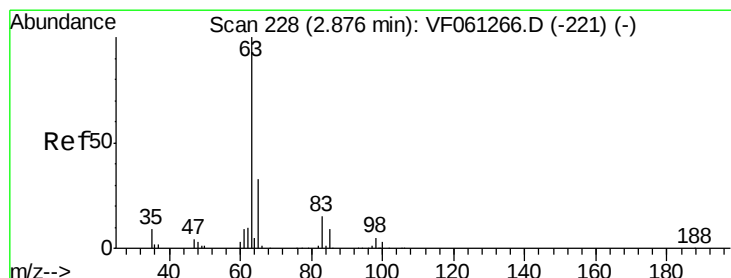
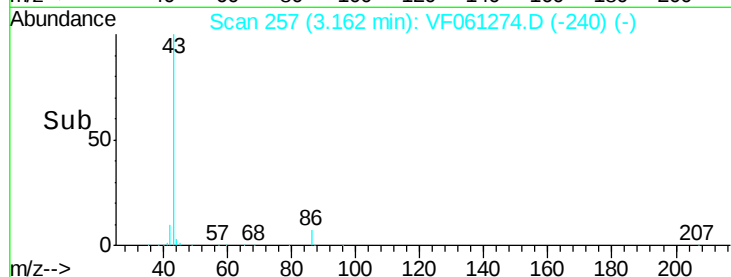
40000

20000

0

Time-->

3.00 3.10 3.20 3.30 3.40



#24

1,1-Dichloroethane

Concen: 22.282 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.02 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

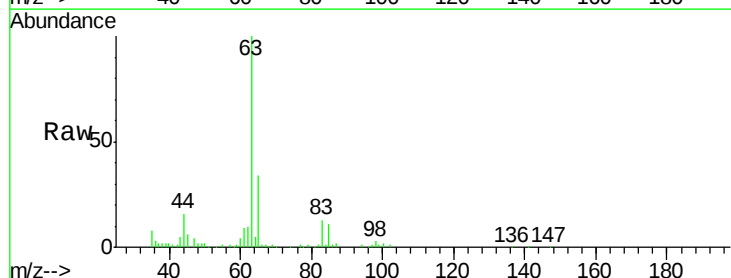
Tgt Ion: 63 Resp: 82355

Ion Ratio Lower Upper

63 100

98 3.0 2.5 7.5

100 1.9 1.6 4.8



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

40000

30000

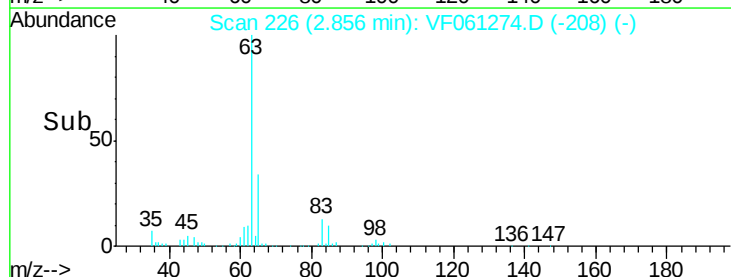
20000

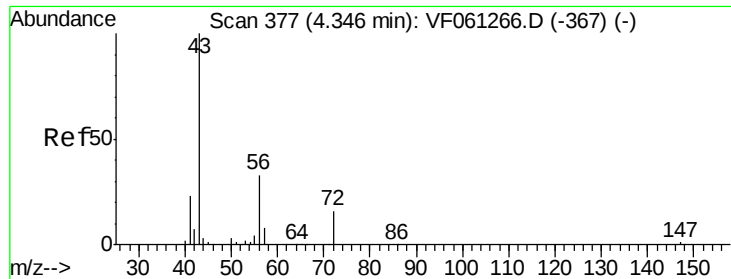
10000

0

Time-->

2.70 2.80 2.90 3.00





#25

2-Butanone

Concen: 85.525 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.04 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

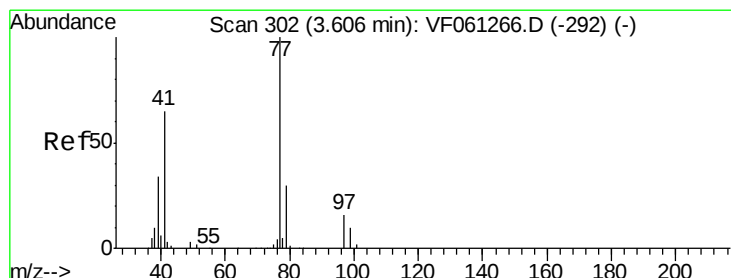
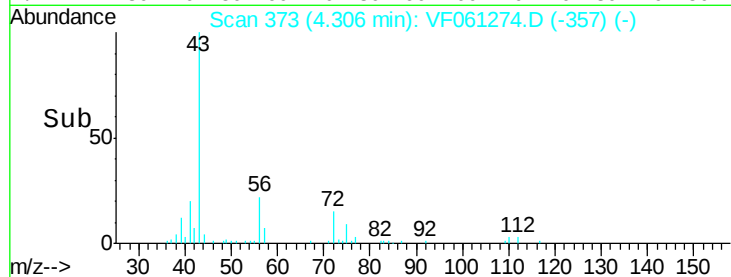
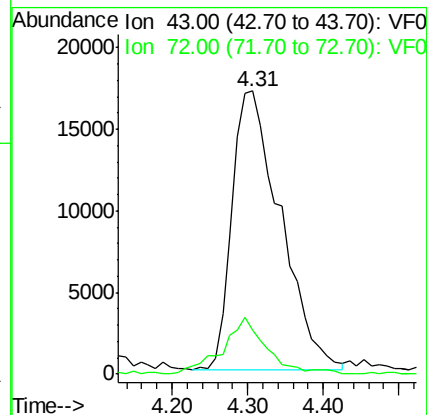
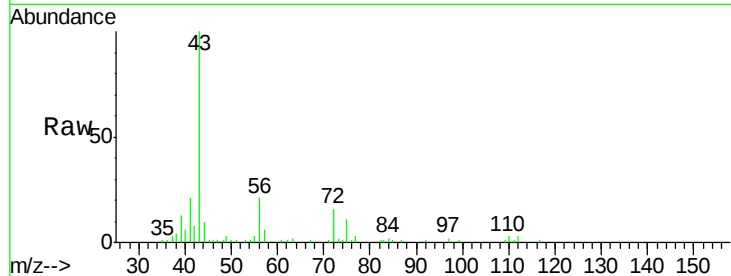
VF0107SBS01

Tot Ion: 43 Resp: 75492

Ion Ratio Lower Upper

43 100

72 15.5 13.0 19.6



#26

2,2-Dichloropropane

Concen: 30.289 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.03 min

Lab File: VF061274.D

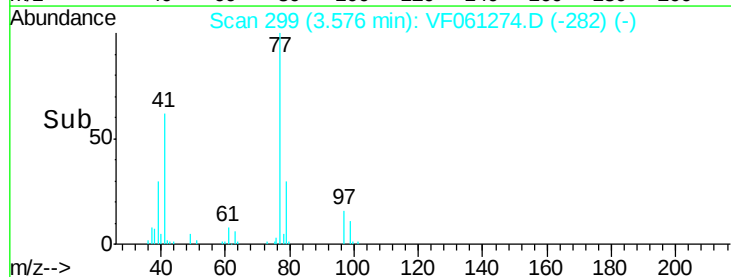
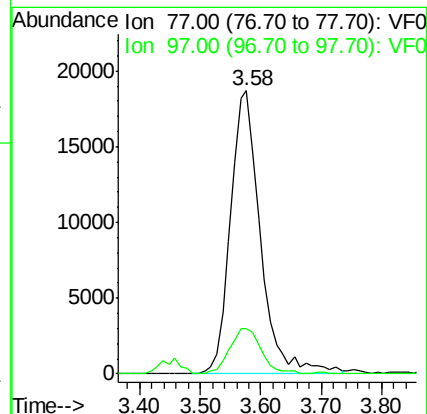
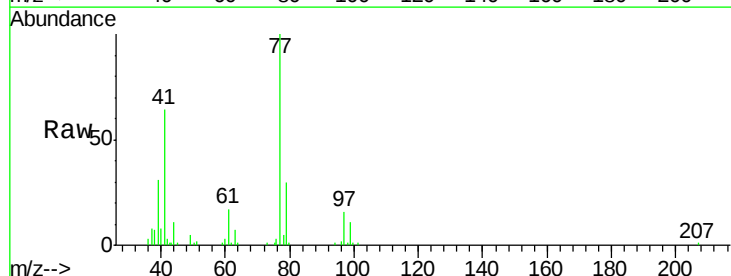
Acq: 7 Jan 2019 12:47

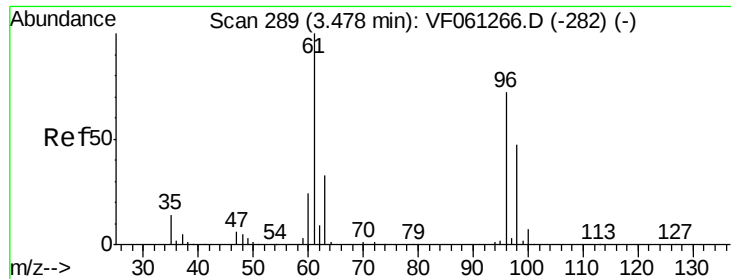
Tgt Ion: 77 Resp: 64466

Ion Ratio Lower Upper

77 100

97 16.2 8.9 26.7



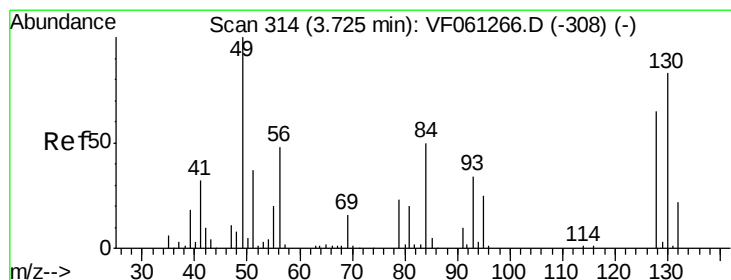
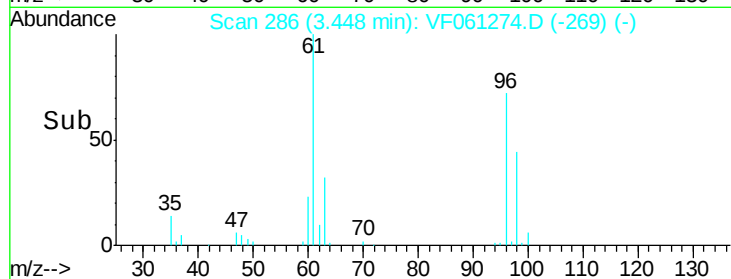
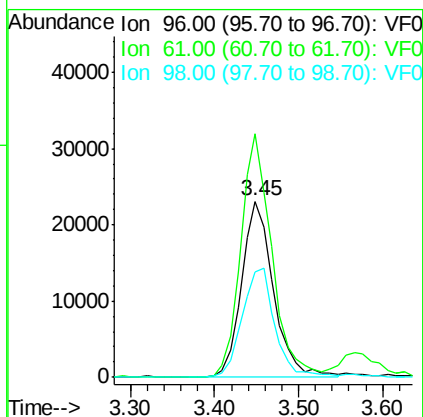
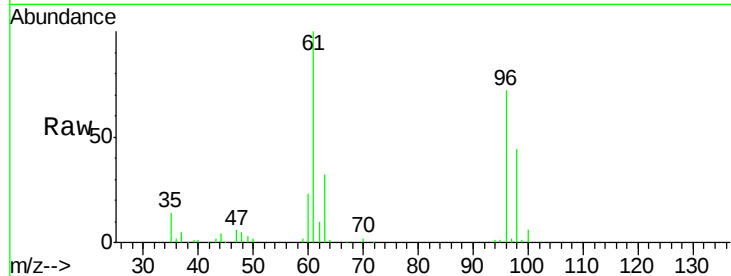


#27

cis-1,2-Dichloroethene
Concen: 21.731 ug/l
RT: 3.45 min Scan# 286
Delta R.T. -0.03 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

Instrument :
MSVOA_F
ClientSampleId :
VF0107SBS01

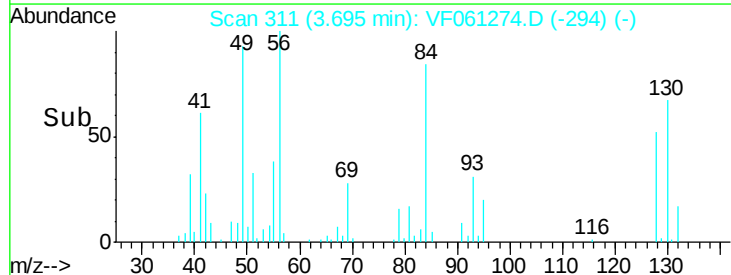
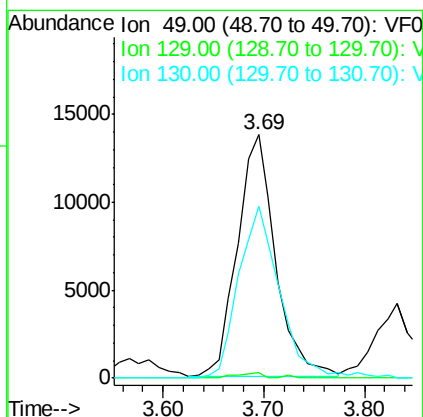
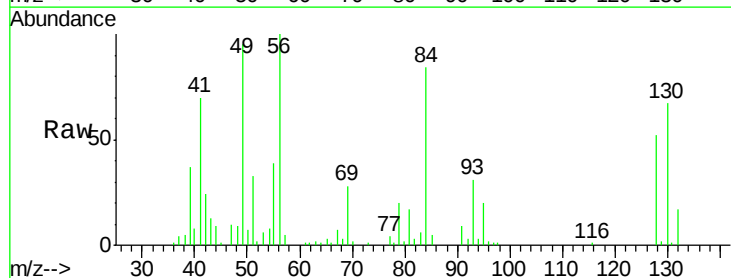
Tot Ion: 96 Resp: 60904
Ion Ratio Lower Upper
96 100
61 138.5 0.0 277.8
98 60.3 0.0 130.8

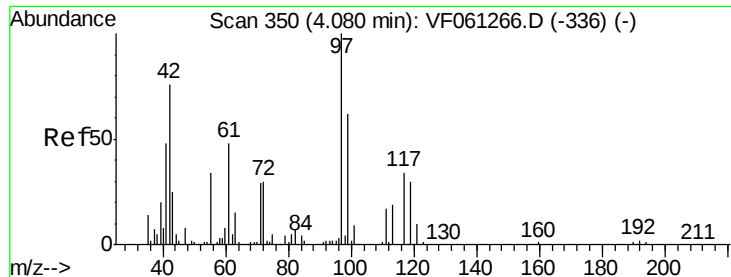


#28

Bromochloromethane
Concen: 20.617 ug/l
RT: 3.69 min Scan# 311
Delta R.T. -0.03 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

Tgt Ion: 49 Resp: 36073
Ion Ratio Lower Upper
49 100
129 2.0 0.0 5.4
130 70.5 65.7 98.5





#29

Tetrahydrofuran

Concen: 90.565 ug/l

RT: 4.04 min Scan# 346

Delta R.T. -0.04 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBS01

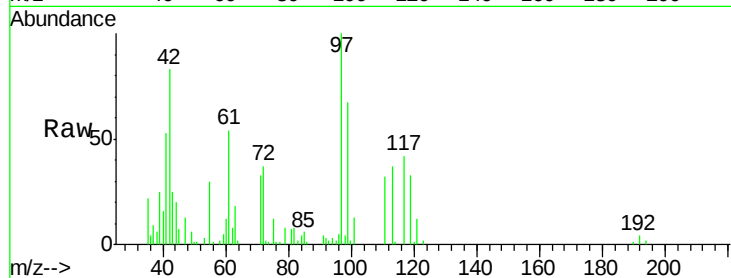
Tot Ion: 42 Resp: 29639

Ion Ratio Lower Upper

42 100

72 37.3 29.2 43.8

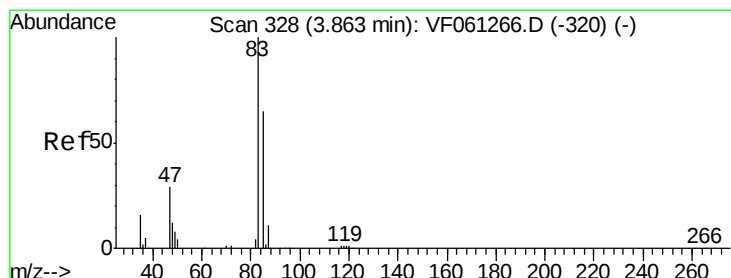
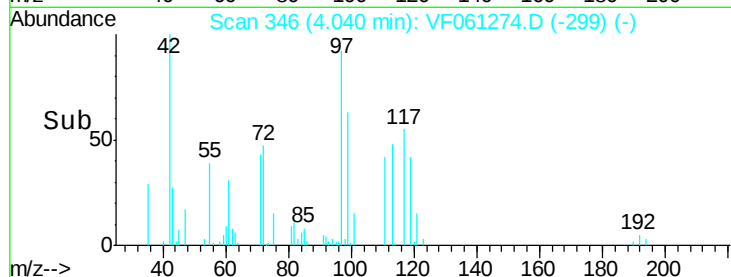
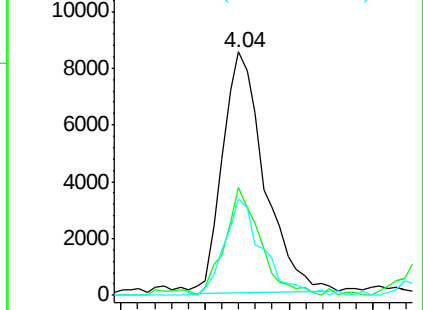
71 36.3 29.1 43.7



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 20.234 ug/l

RT: 3.83 min Scan# 325

Delta R.T. -0.03 min

Lab File: VF061274.D

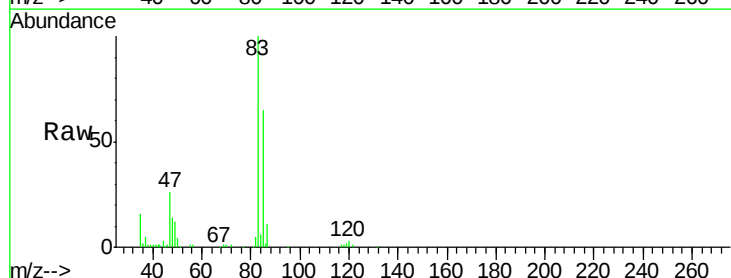
Acq: 7 Jan 2019 12:47

Tgt Ion: 83 Resp: 104606

Ion Ratio Lower Upper

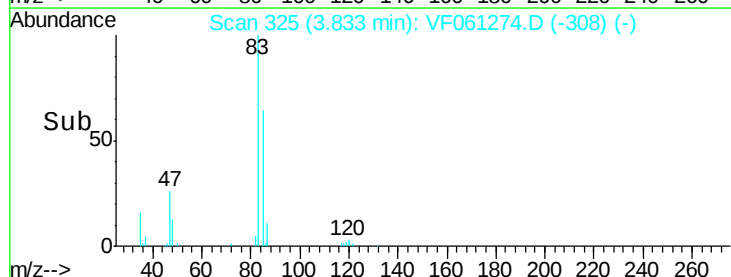
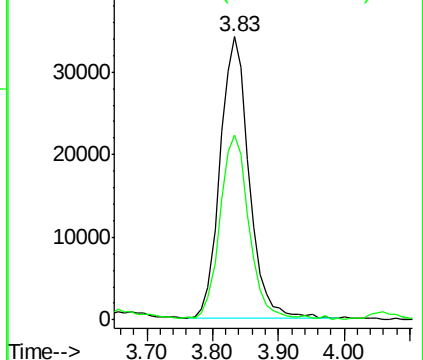
83 100

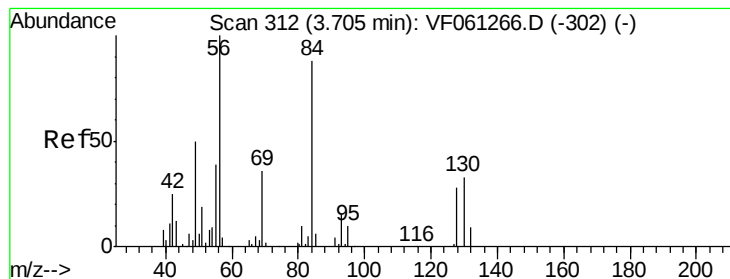
85 65.4 52.2 78.4



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 23.746 ug/l

RT: 3.67 min Scan# 309

Delta R.T. -0.03 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBS01

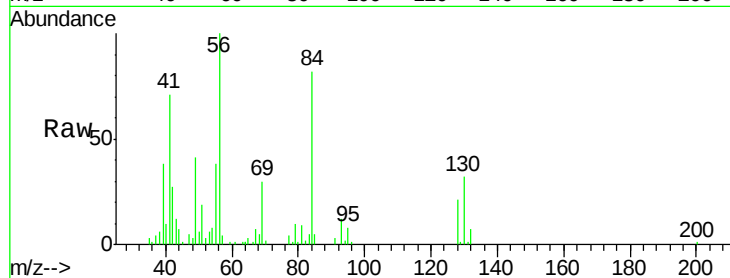
Tot Ion: 56 Resp: 93022

Ion Ratio Lower Upper

56 100

69 30.2 28.7 43.1

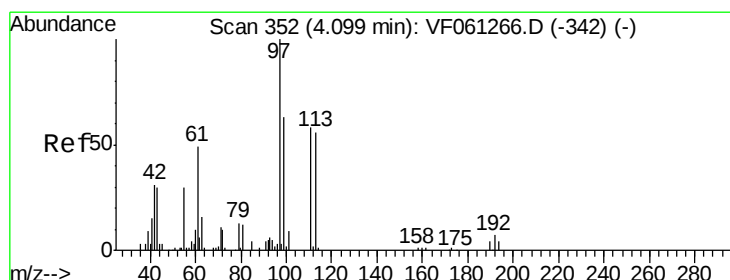
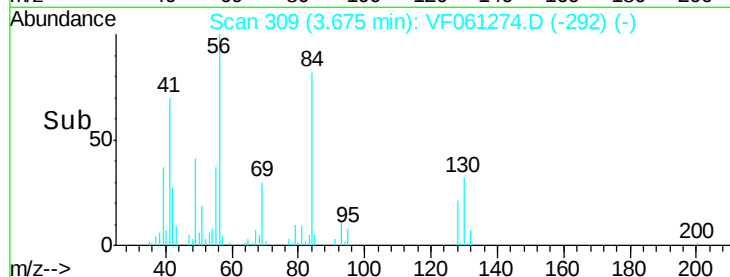
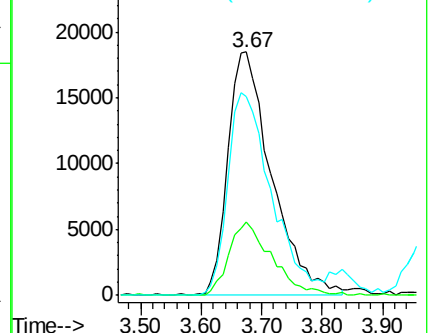
84 81.7 70.6 106.0



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: 27.111 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.03 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

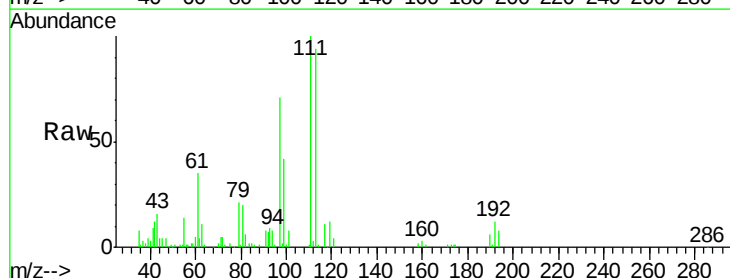
Tgt Ion: 97 Resp: 91039

Ion Ratio Lower Upper

97 100

99 59.6 50.6 76.0

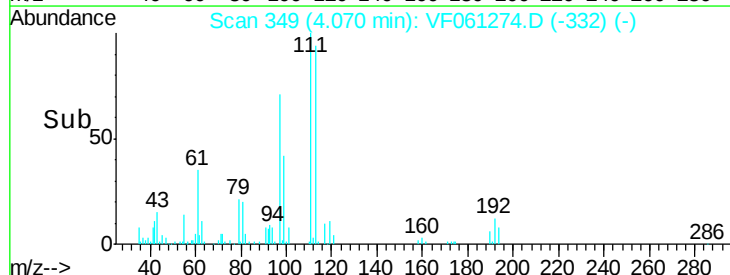
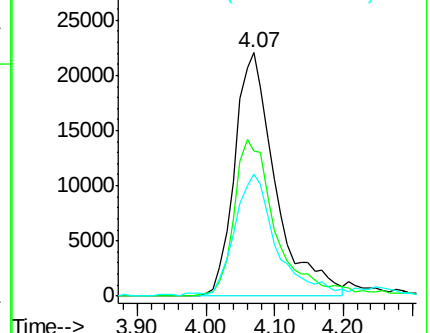
61 49.9 39.6 59.4

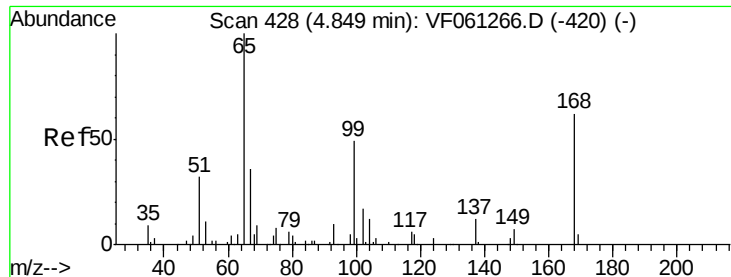


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 41.599 ug/l

RT: 4.81 min Scan# 424

Delta R.T. -0.04 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

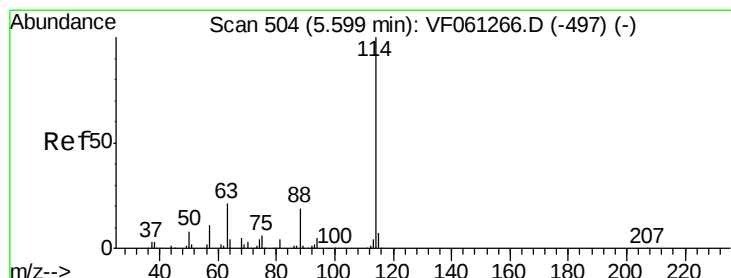
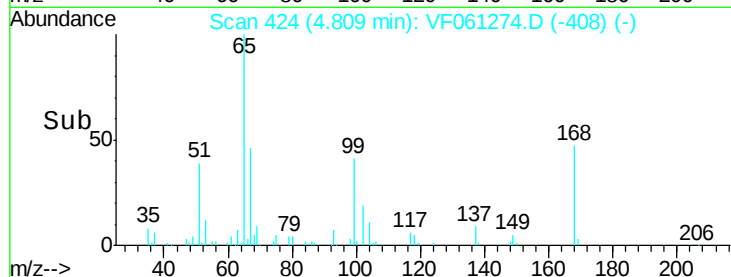
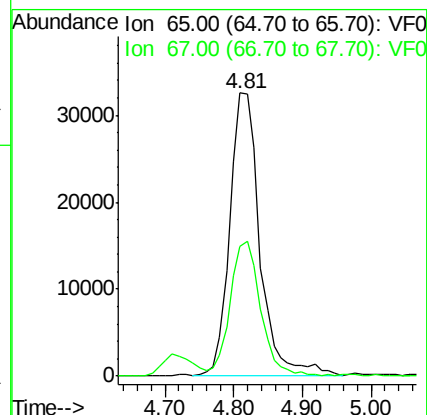
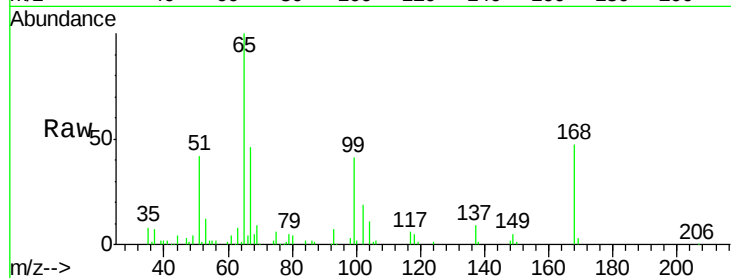
VF0107SBS01

Tot Ion: 65 Resp: 99448

Ion Ratio Lower Upper

65 100

67 45.8 0.0 90.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.57 min Scan# 501

Delta R.T. -0.03 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

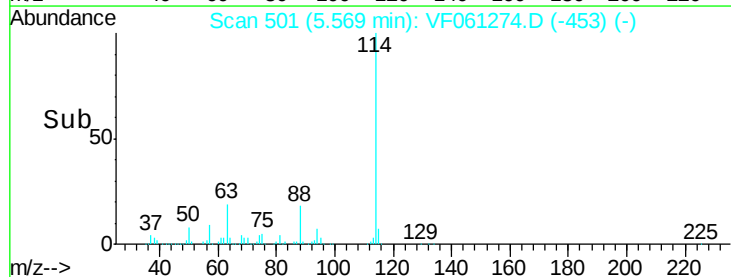
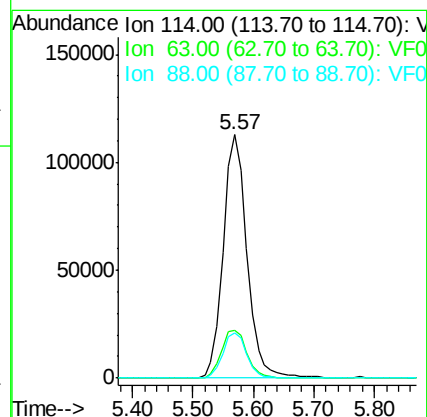
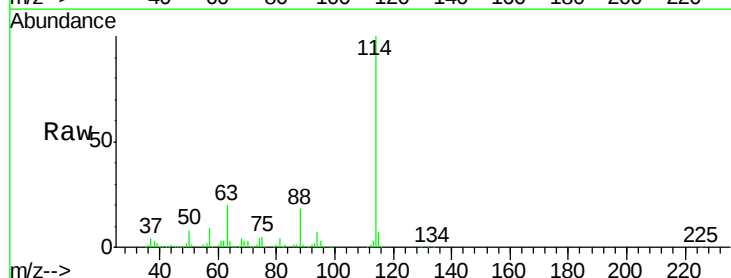
Tgt Ion: 114 Resp: 309206

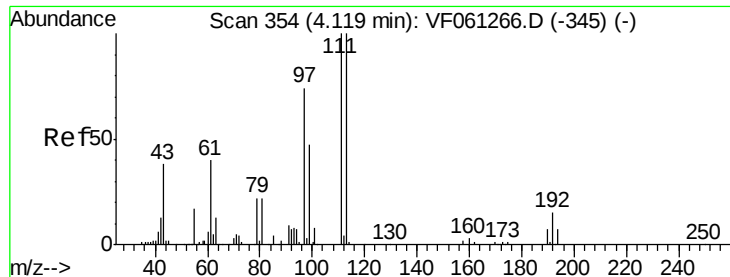
Ion Ratio Lower Upper

114 100

63 19.5 0.0 41.8

88 18.5 0.0 38.4





#35

Dibromofluoromethane

Concen: 51.676 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.04 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBS01

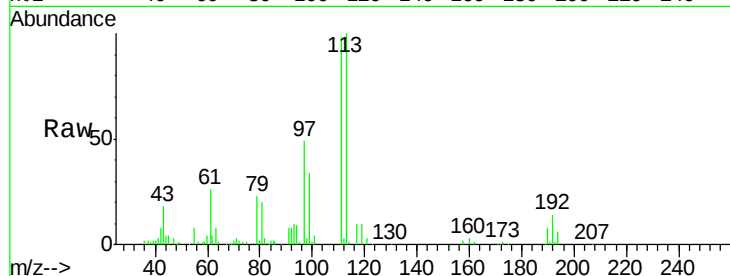
Tot Ion:113 Resp: 122930

Ion Ratio Lower Upper

113 100

111 97.6 79.8 119.6

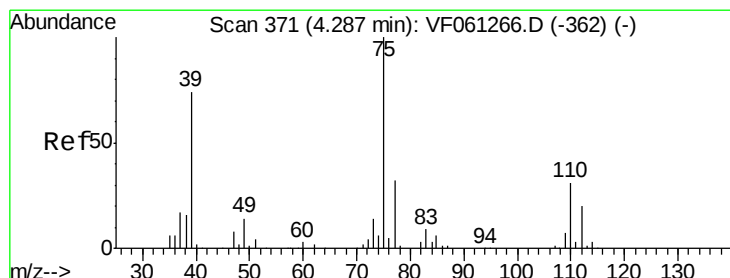
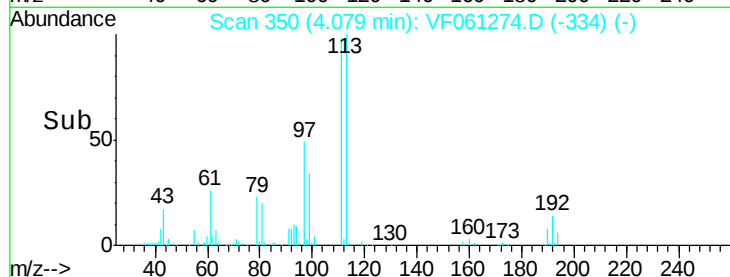
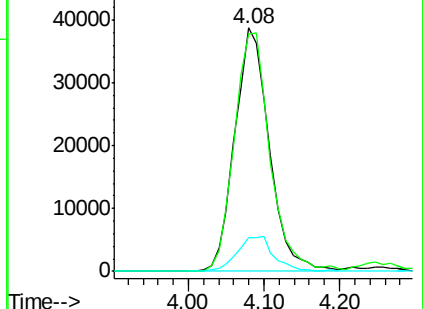
192 13.8 11.9 17.9



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 21.999 ug/l

RT: 4.25 min Scan# 367

Delta R.T. -0.04 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

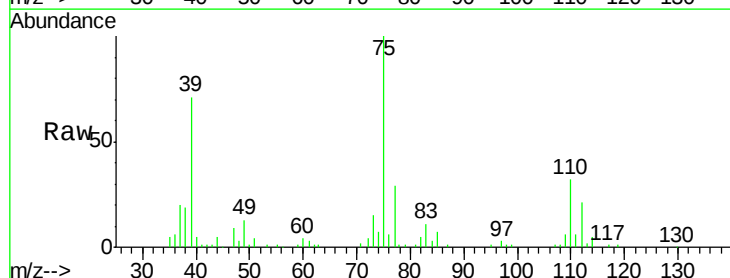
Tgt Ion: 75 Resp: 80112

Ion Ratio Lower Upper

75 100

110 32.3 15.4 46.4

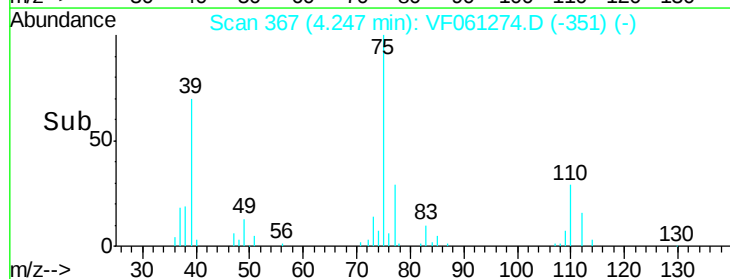
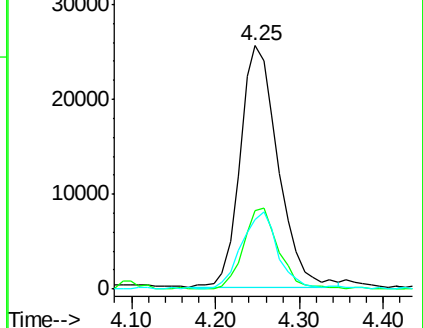
77 28.8 25.6 38.4

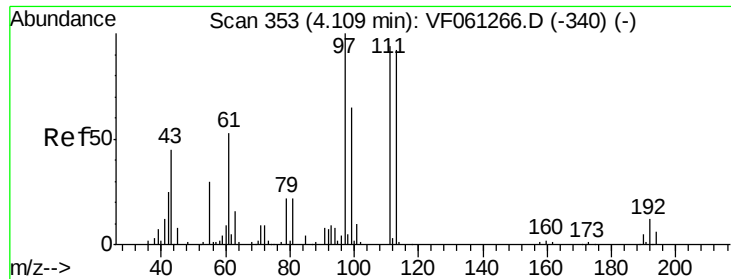


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

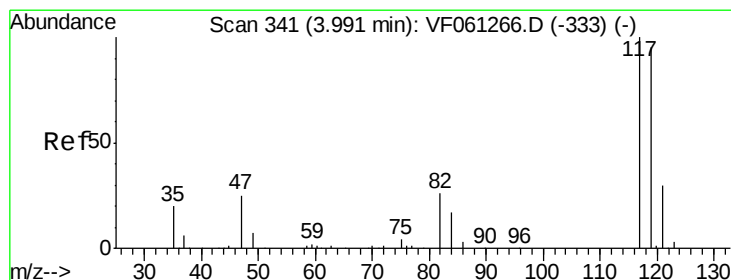
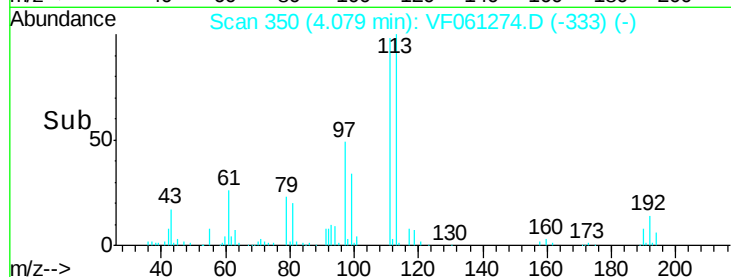
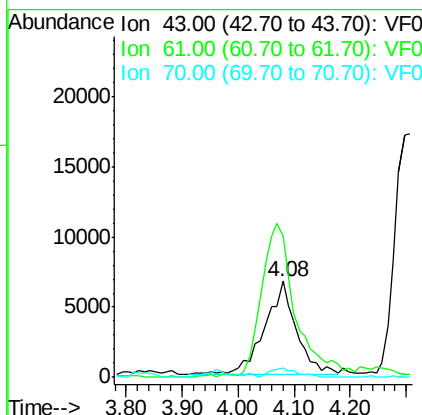
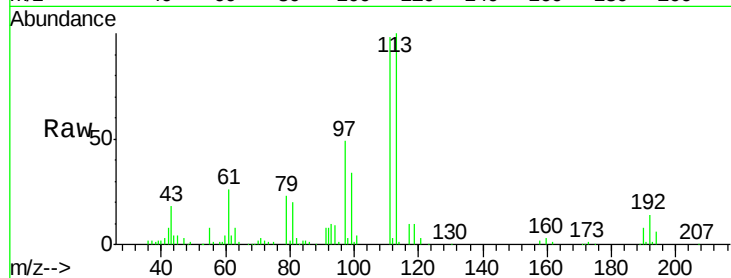




#37
Ethyl Acetate
Concen: 17.823 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.03 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

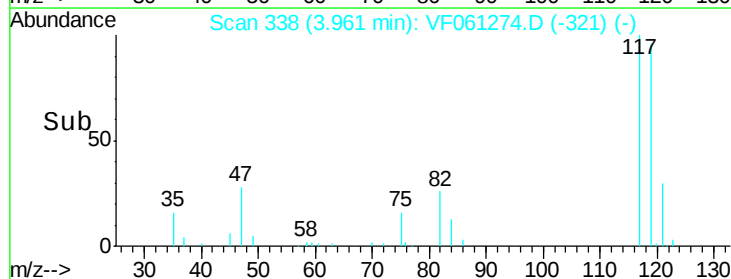
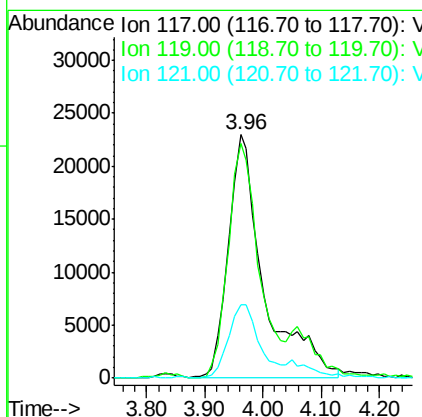
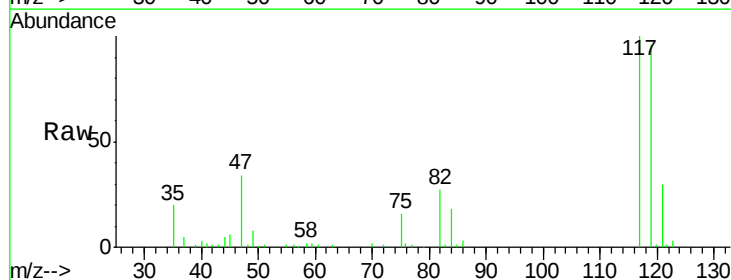
Instrument :
MSVOA_F
ClientSampleId :
VF0107SBS01

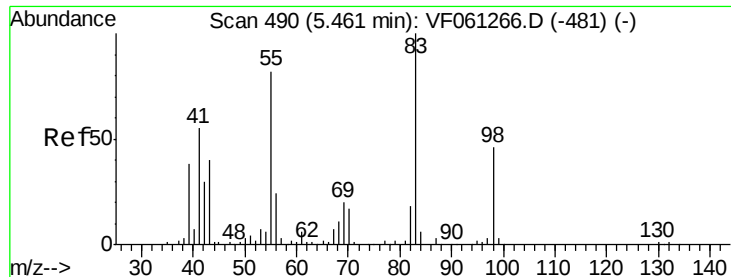
Tot Ion: 43 Resp: 25915
Ion Ratio Lower Upper
43 100
61 147.8 91.2 136.8#
70 9.6 7.1 10.7



#38
Carbon Tetrachloride
Concen: 33.830 ug/l
RT: 3.96 min Scan# 338
Delta R.T. -0.03 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

Tgt Ion: 117 Resp: 98630
Ion Ratio Lower Upper
117 100
119 96.3 76.0 114.0
121 31.0 23.8 35.8

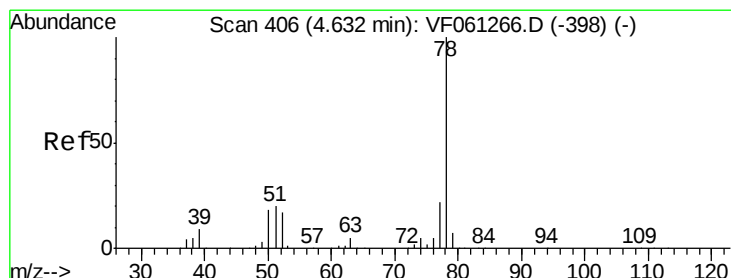
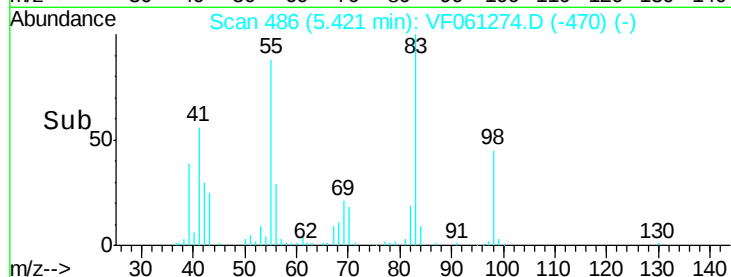
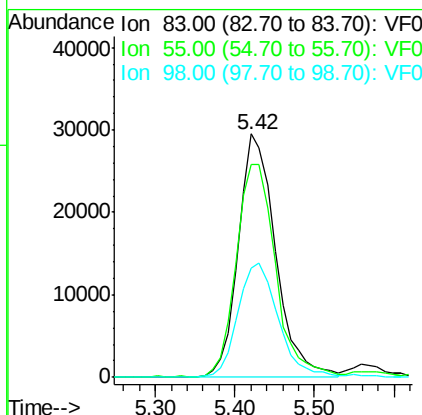
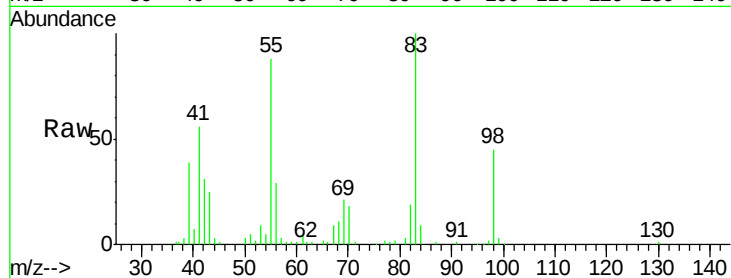




#39
Methvlcvclohexane
Concen: 24.677 ug/l
RT: 5.42 min Scan# 486
Delta R.T. -0.04 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

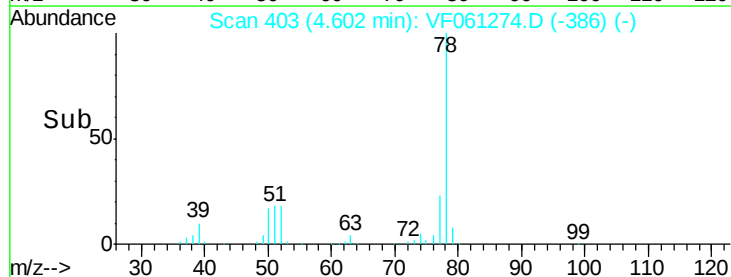
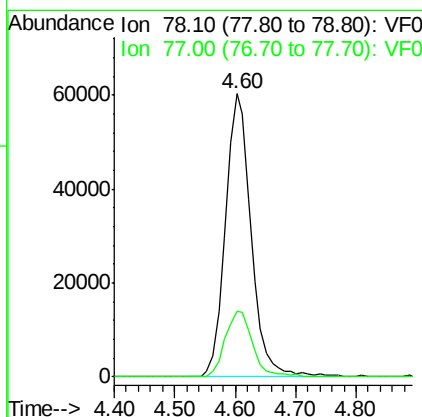
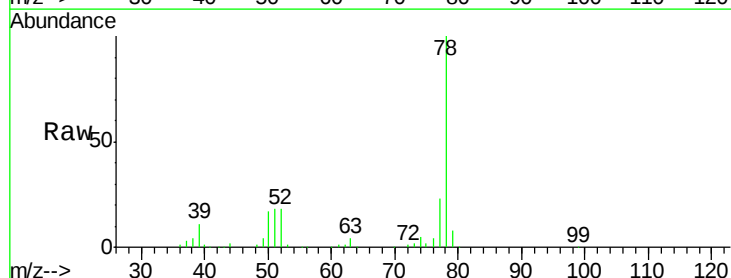
Instrument :
MSVOA_F
ClientSampleId :
VF0107SBS01

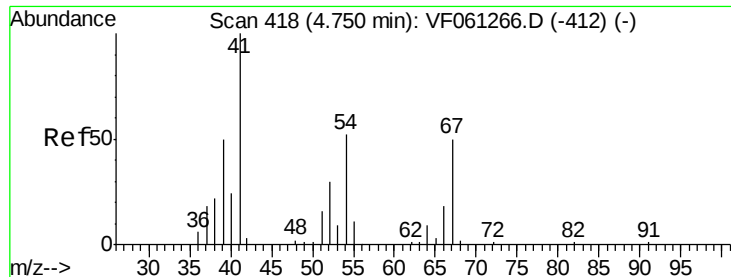
Tot Ion: 83 Resp: 96062
Ion Ratio Lower Upper
83 100
55 87.5 65.6 98.4
98 44.7 36.7 55.1



#40
Benzene
Concen: 21.520 ug/l
RT: 4.60 min Scan# 403
Delta R.T. -0.03 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

Tgt Ion: 78 Resp: 177861
Ion Ratio Lower Upper
78 100
77 23.1 18.0 27.0





#41

Methacrylonitrile

Concen: 20.033 ug/l

RT: 4.72 min Scan# 415

Delta R.T. -0.03 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBS01

Tot Ion: 41 Resp: 15756

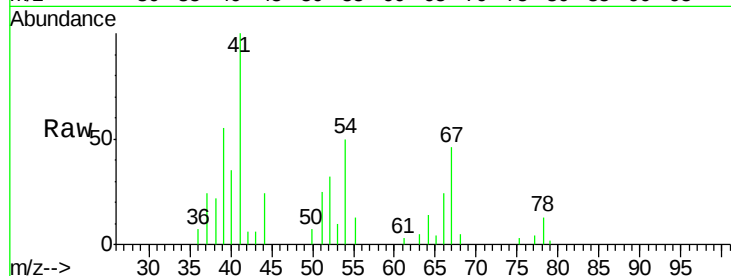
Ion Ratio Lower Upper

41 100

39 55.5 44.6 66.8

67 46.0 39.3 58.9

52 31.6 35.3 52.9#

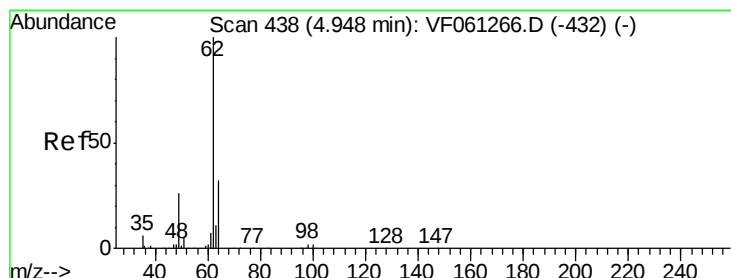
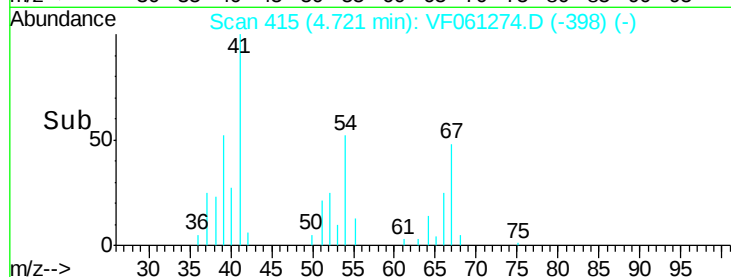
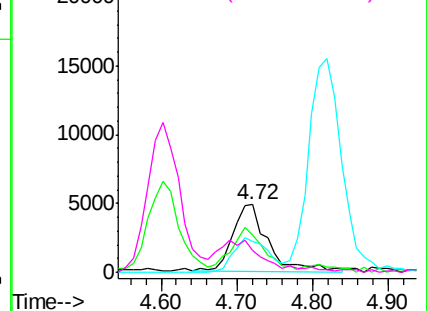


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 19.978 ug/l

RT: 4.92 min Scan# 435

Delta R.T. -0.03 min

Lab File: VF061274.D

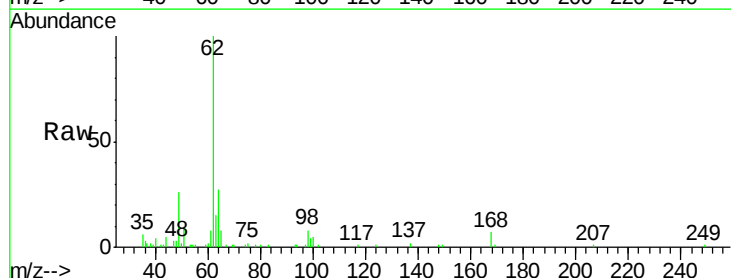
Acq: 7 Jan 2019 12:47

Tgt Ion: 62 Resp: 55243

Ion Ratio Lower Upper

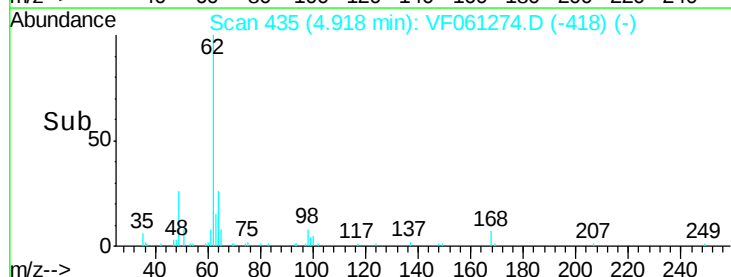
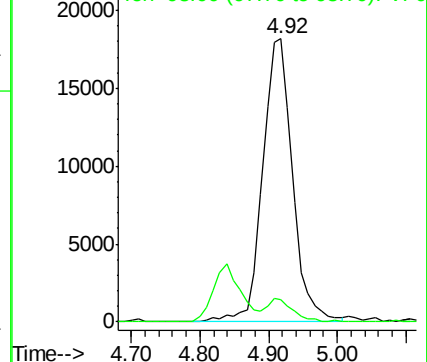
62 100

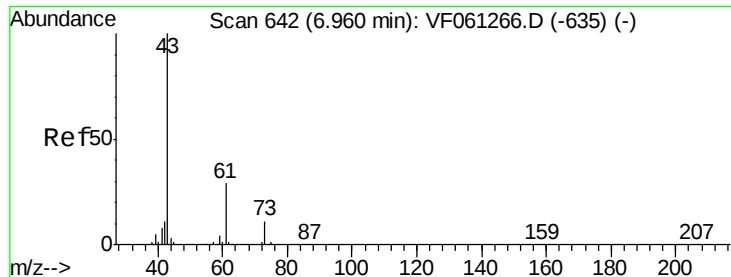
98 7.9 0.0 13.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



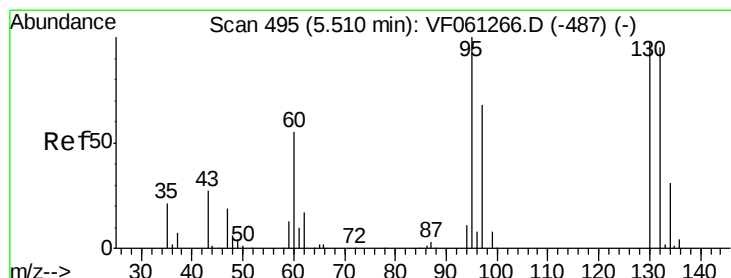
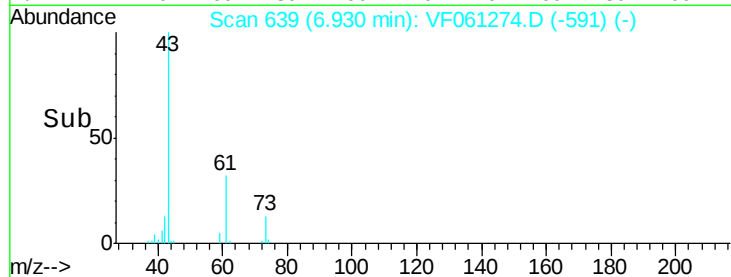
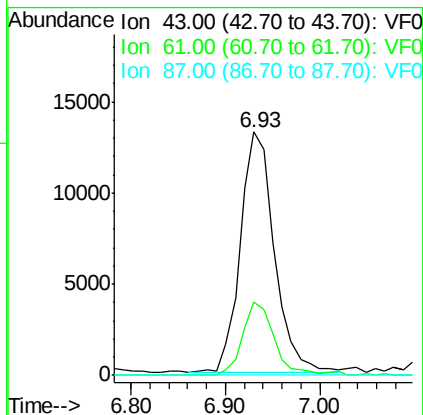
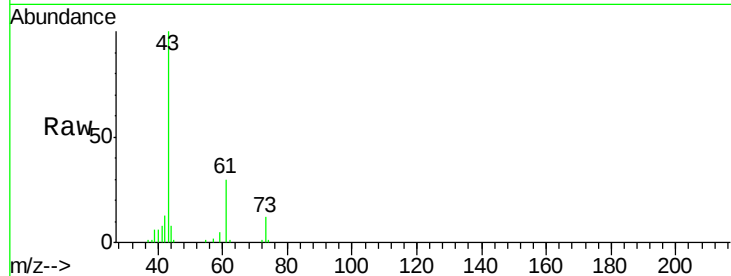


#43

Isopropyl Acetate
 Concen: 17.019 ug/l
 RT: 6.93 min Scan# 639
 Delta R.T. -0.03 min
 Lab File: VF061274.D
 Acq: 7 Jan 2019 12:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0107SBS01

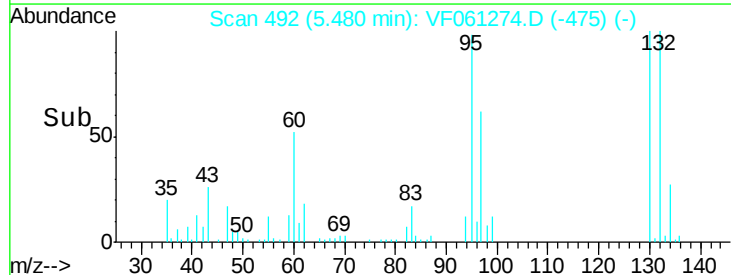
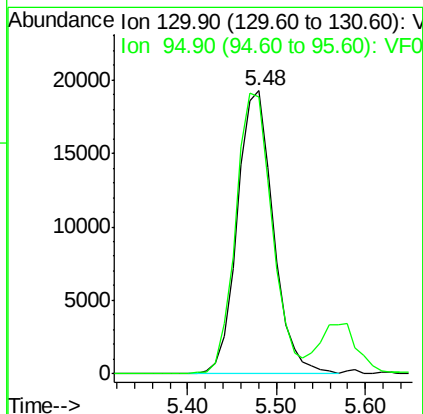
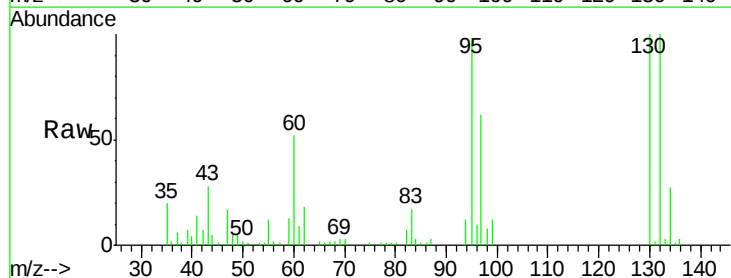
Tot Ion: 43 Resp: 33018
 Ion Ratio Lower Upper
 43 100
 61 30.1 23.4 35.2
 87 0.0 0.3 0.5#

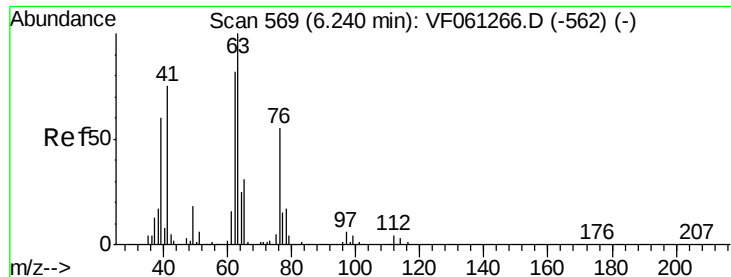


#44

Trichloroethene
 Concen: 20.980 ug/l
 RT: 5.48 min Scan# 492
 Delta R.T. -0.03 min
 Lab File: VF061274.D
 Acq: 7 Jan 2019 12:47

Tgt Ion: 130 Resp: 53973
 Ion Ratio Lower Upper
 130 100
 95 97.8 0.0 204.0





#45

1,2-Dichloropropane

Concen: 21.948 ug/l

RT: 6.21 min Scan# 566

Delta R.T. -0.03 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

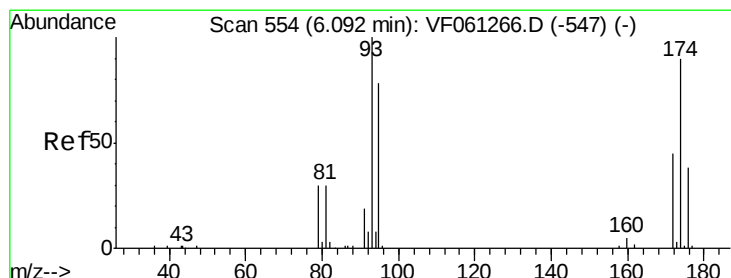
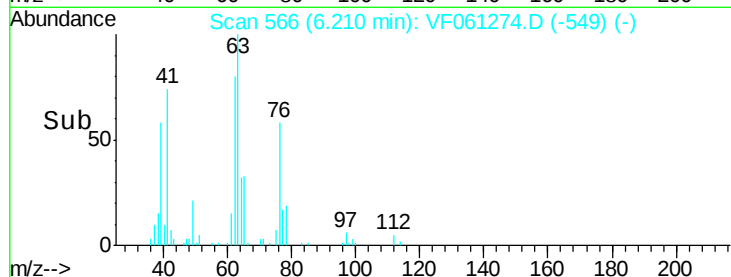
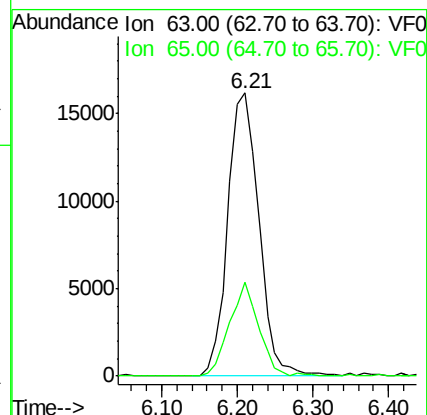
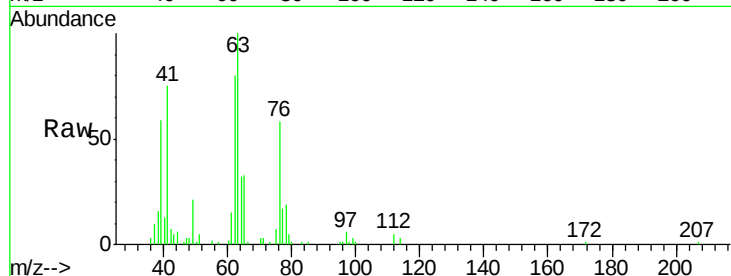
VF0107SBS01

Tot Ion: 63 Resp: 46312

Ion Ratio Lower Upper

63 100

65 33.1 24.4 36.6



#46

Dibromomethane

Concen: 19.330 ug/l

RT: 6.06 min Scan# 551

Delta R.T. -0.03 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

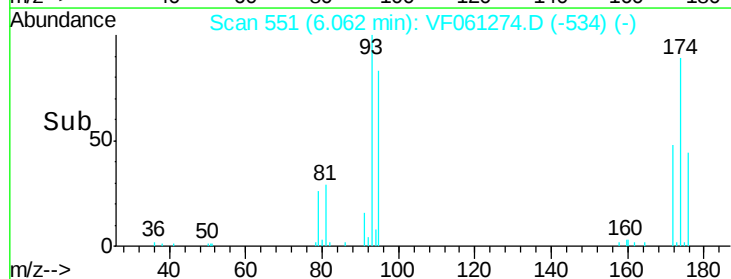
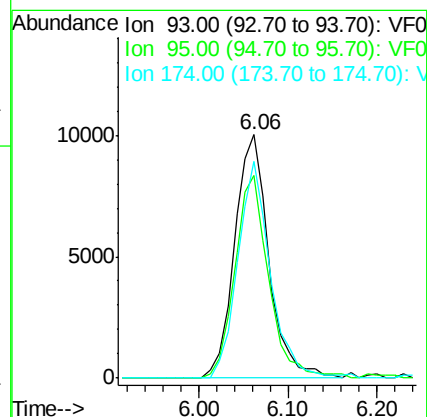
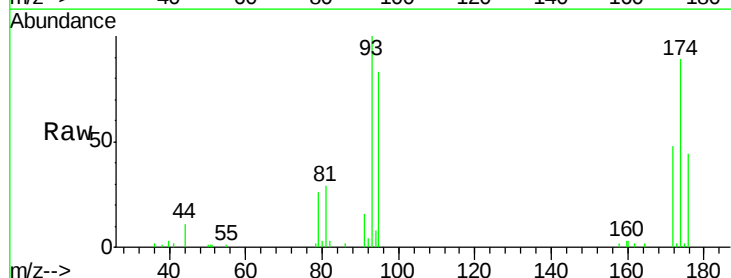
Tgt Ion: 93 Resp: 26838

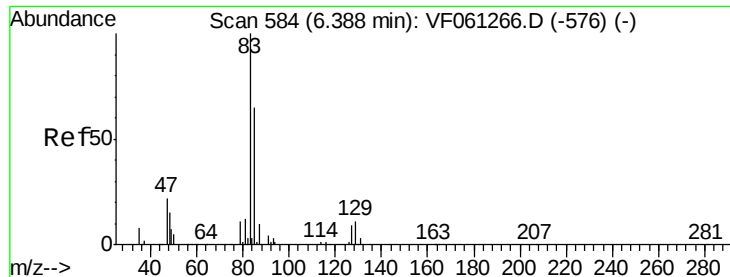
Ion Ratio Lower Upper

93 100

95 83.2 62.4 93.6

174 89.1 71.9 107.9





#47

Bromodichloromethane

Concen: 19.680 ug/l

RT: 6.36 min Scan# 581

Delta R.T. -0.03 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBS01

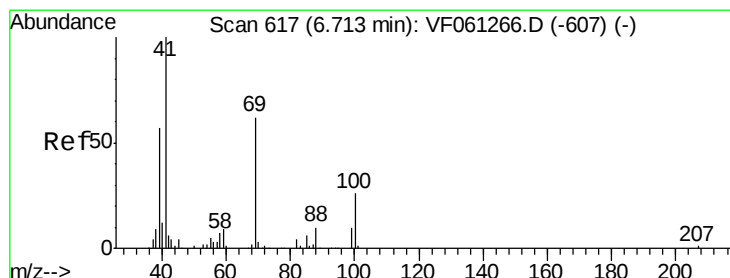
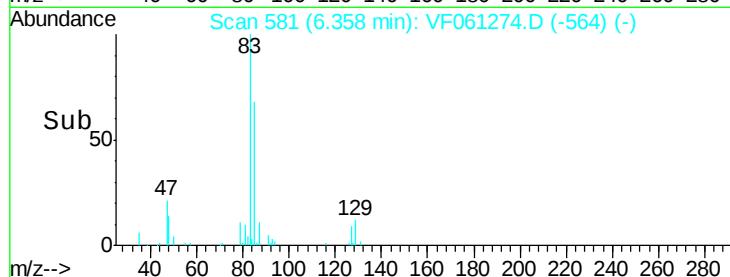
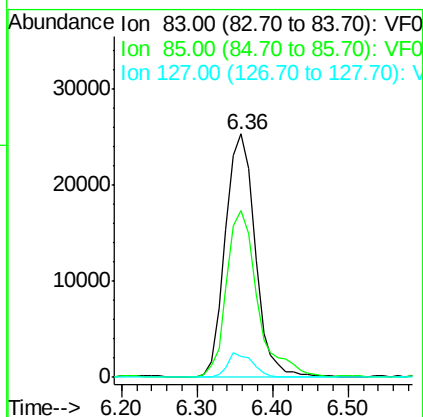
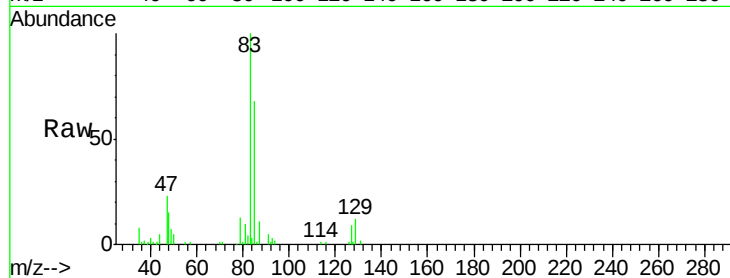
Tot Ion: 83 Resp: 69553

Ion Ratio Lower Upper

83 100

85 68.3 52.1 78.1

127 8.6 7.1 10.7



#48

Methyl methacrylate

Concen: 17.337 ug/l

RT: 6.68 min Scan# 614

Delta R.T. -0.03 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

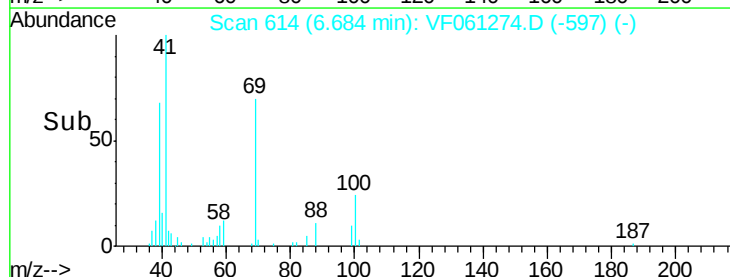
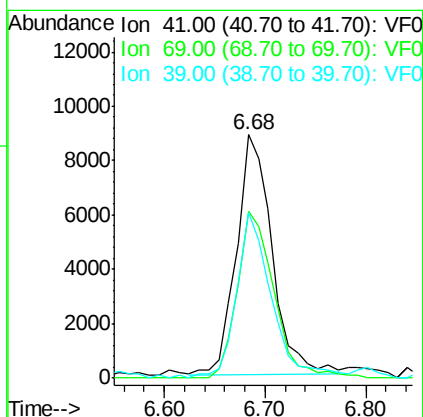
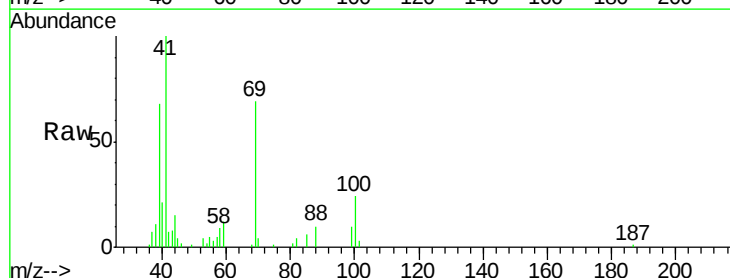
Tgt Ion: 41 Resp: 21780

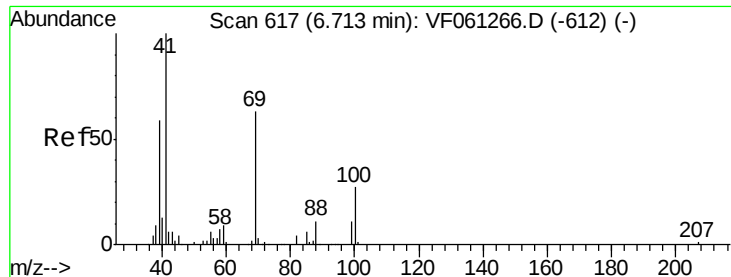
Ion Ratio Lower Upper

41 100

69 68.6 49.8 74.8

39 67.8 46.4 69.6





#49

1,4-Dioxane

Concen: 310.983 ug/l

RT: 6.67 min Scan# 613

Delta R.T. -0.04 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBS01

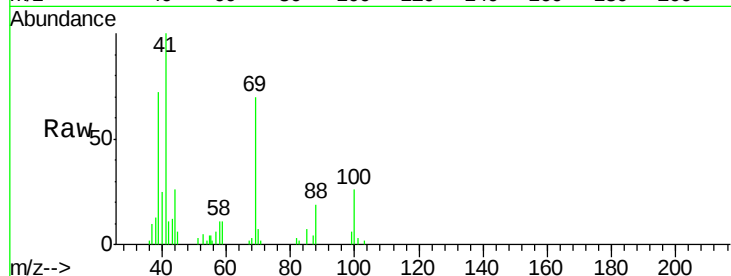
Tot Ion: 88 Resp: 2707

Ion	Ratio	Lower	Upper
88	100		
43	62.4	55.2	82.8
58	58.9	50.9	76.3

88 100

43 62.4 55.2 82.8

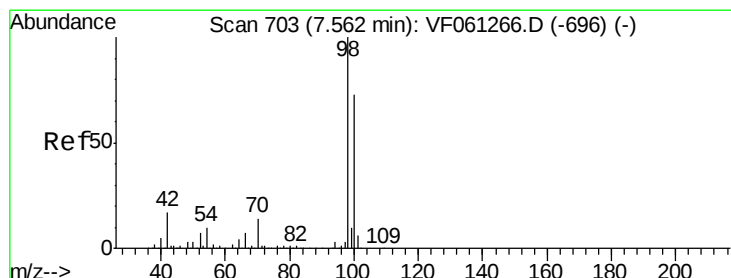
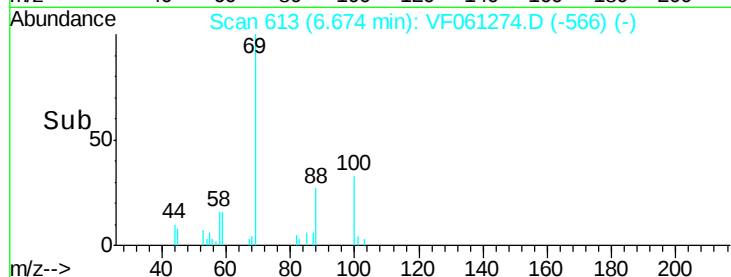
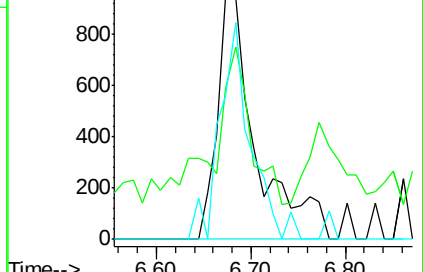
58 58.9 50.9 76.3



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: 48.835 ug/l

RT: 7.52 min Scan# 699

Delta R.T. -0.04 min

Lab File: VF061274.D

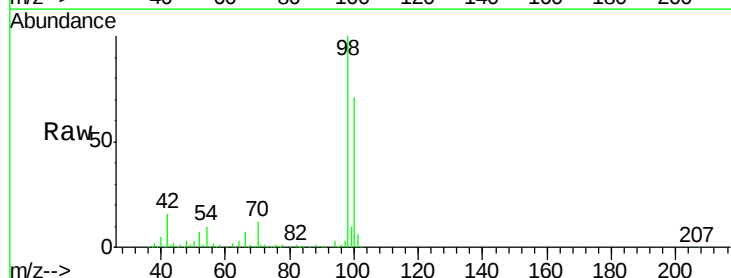
Acq: 7 Jan 2019 12:47

Tgt Ion: 98 Resp: 344743

Ion	Ratio	Lower	Upper
98	100		
100	70.9	58.1	87.1

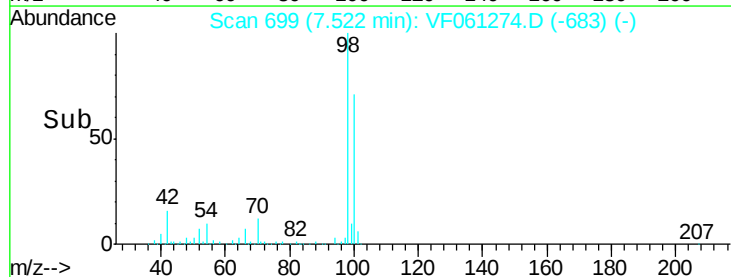
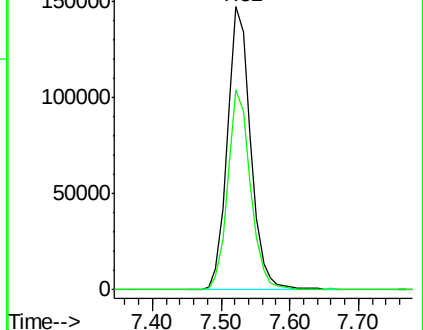
98 100

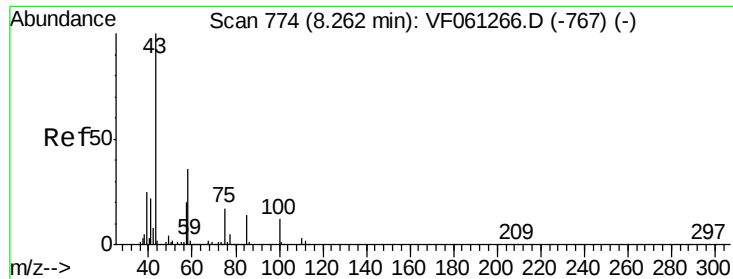
100 70.9 58.1 87.1



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: 104.582 ug/l

RT: 8.23 min Scan# 771

Delta R.T. -0.03 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

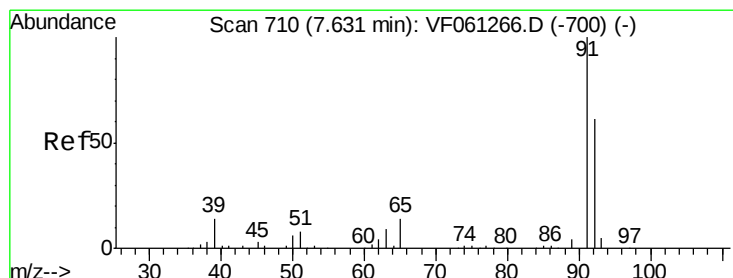
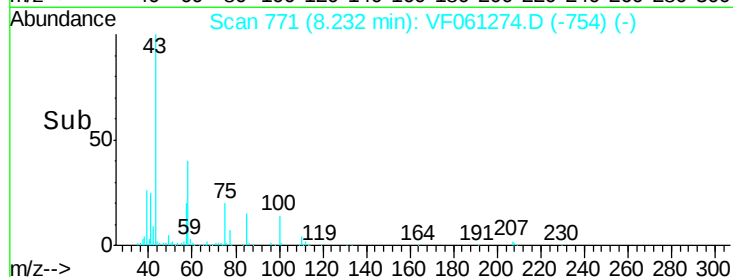
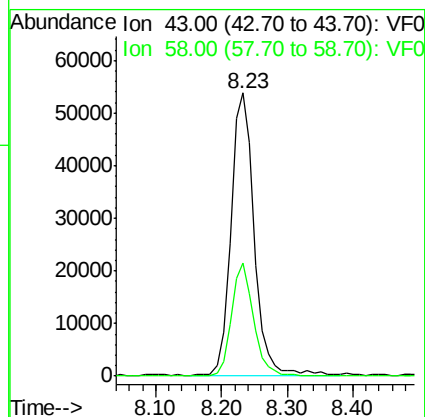
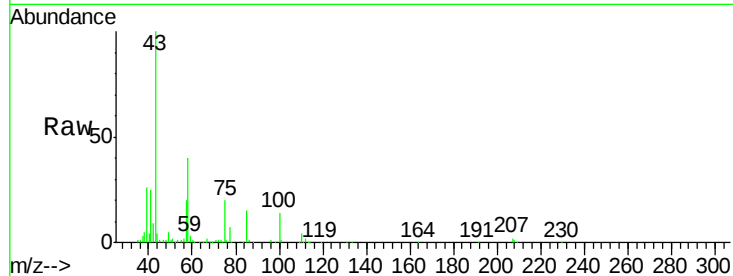
VF0107SBS01

Tot Ion: 43 Resp: 134382

Ion Ratio Lower Upper

43 100

58 39.9 29.1 43.7



#52

Toluene

Concen: 20.910 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.03 min

Lab File: VF061274.D

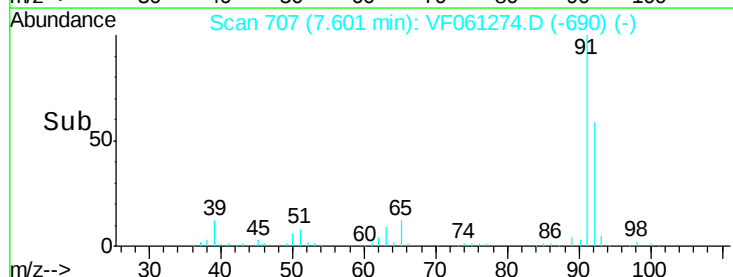
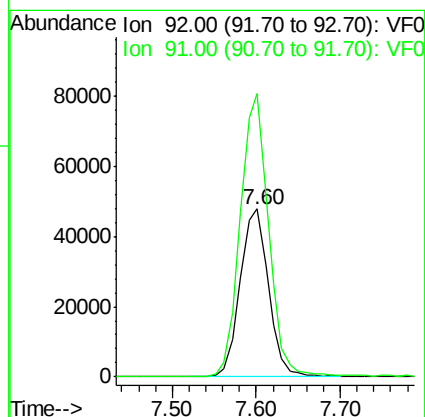
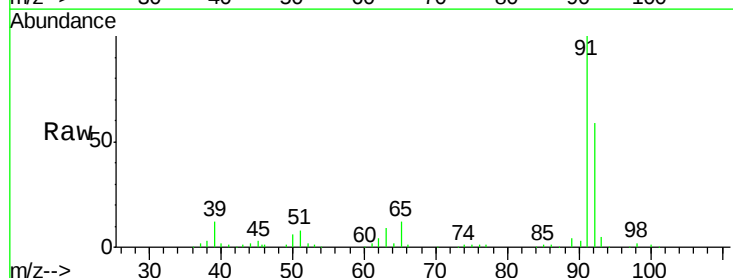
Acq: 7 Jan 2019 12:47

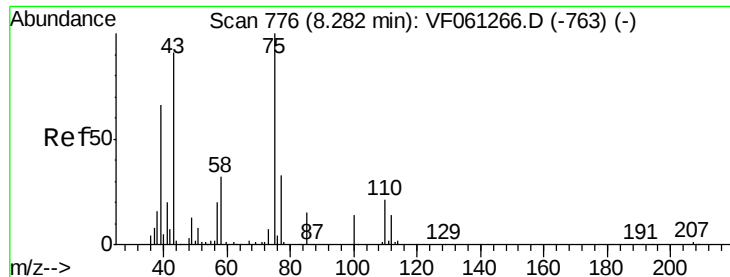
Tgt Ion: 92 Resp: 112839

Ion Ratio Lower Upper

92 100

91 168.5 130.5 195.7





#53

t-1,3-Dichloropropene

Concen: 19.474 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.03 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

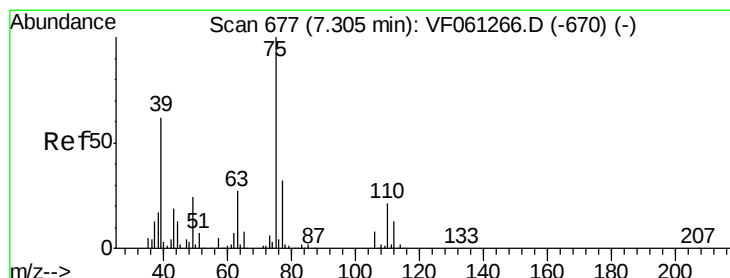
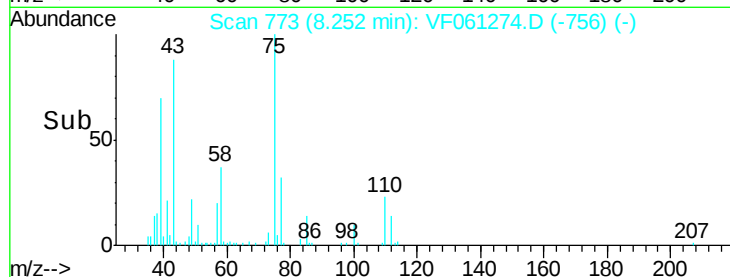
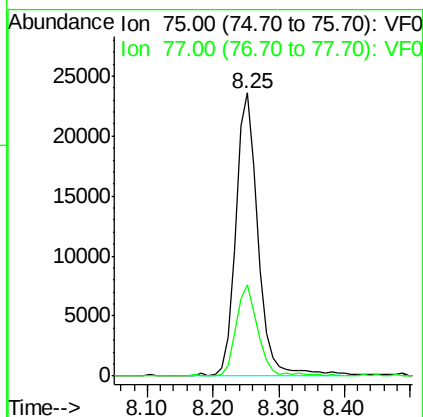
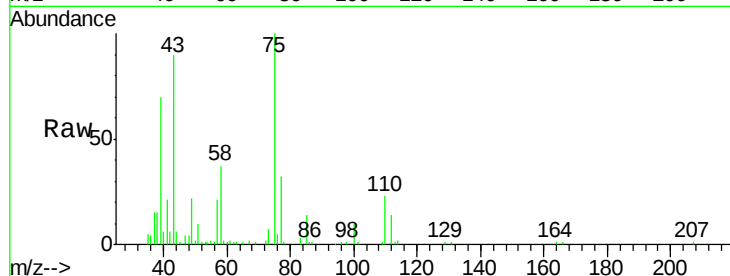
VF0107SBS01

Tot Ion: 75 Resp: 56106

Ion Ratio Lower Upper

75 100

77 32.1 26.8 40.2



#54

cis-1,3-Dichloropropene

Concen: 19.836 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.03 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

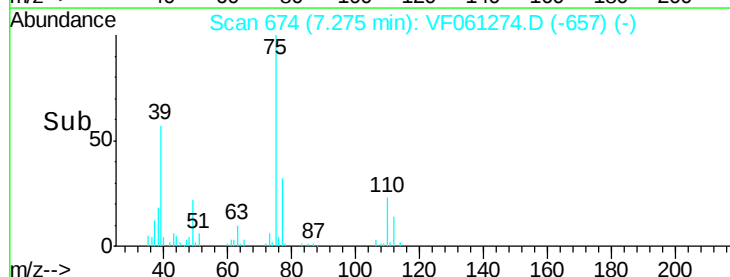
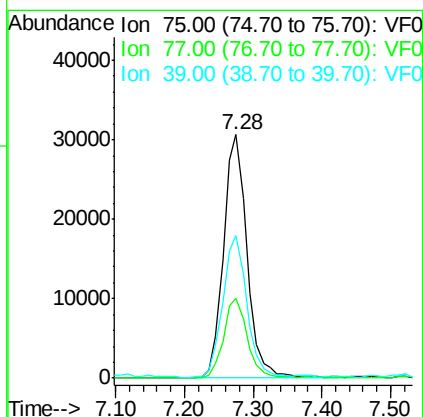
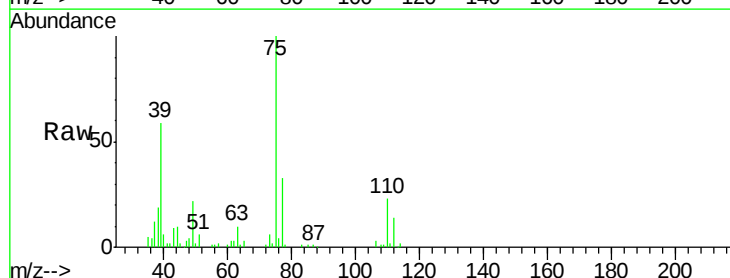
Tgt Ion: 75 Resp: 72638

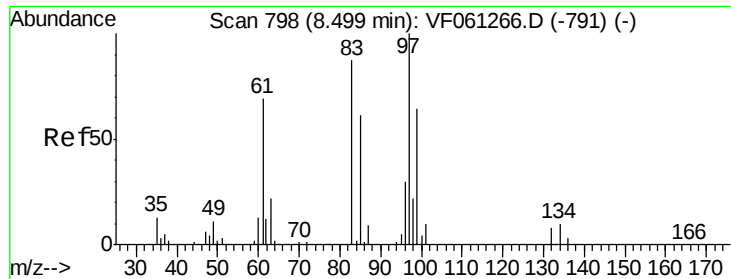
Ion Ratio Lower Upper

75 100

77 32.5 25.4 38.2

39 58.7 49.5 74.3





#55

1,1,2-Trichloroethane

Concen: 20.170 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.03 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBS01

Tot Ion: 97 Resp: 31303

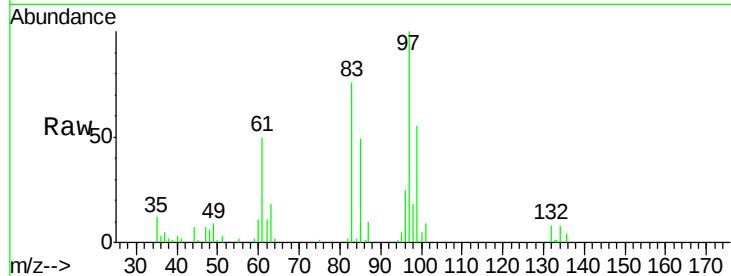
Ion Ratio Lower Upper

97 100

83 75.6 69.7 104.5

85 48.8 49.1 73.7#

99 54.8 51.3 76.9

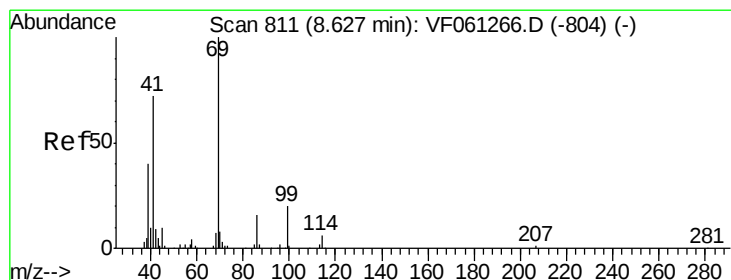
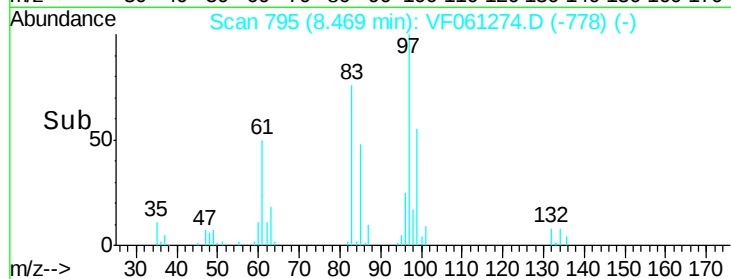
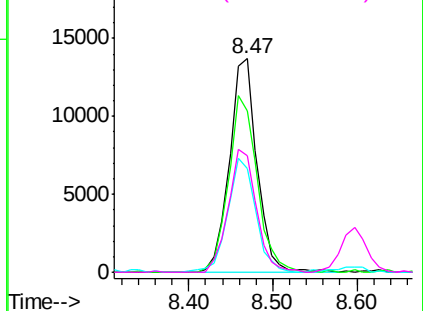


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 19.485 ug/l

RT: 8.59 min Scan# 807

Delta R.T. -0.04 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

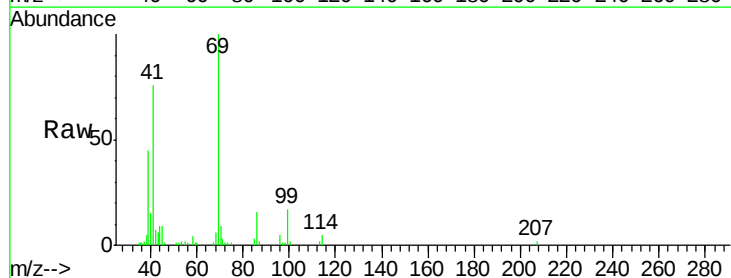
Tgt Ion: 69 Resp: 33419

Ion Ratio Lower Upper

69 100

41 76.1 58.1 87.1

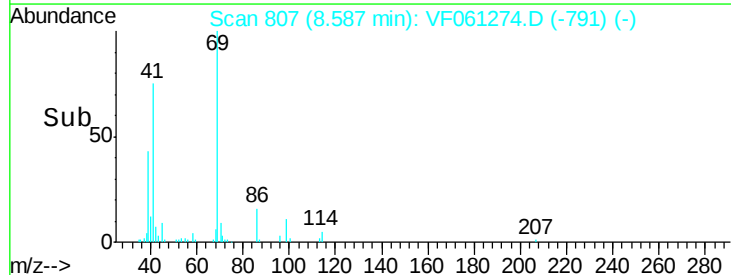
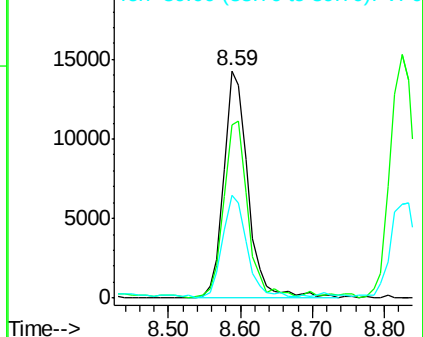
39 45.1 32.6 49.0

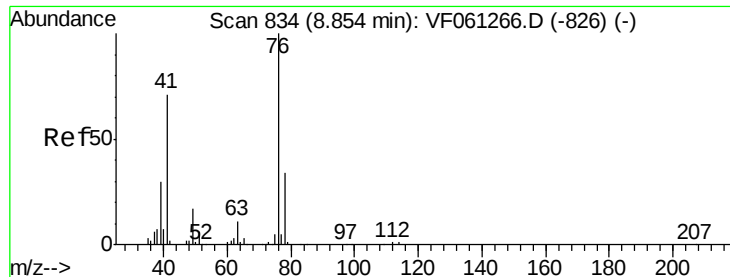


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 19.011 ug/l

RT: 8.82 min Scan# 831

Delta R.T. -0.03 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

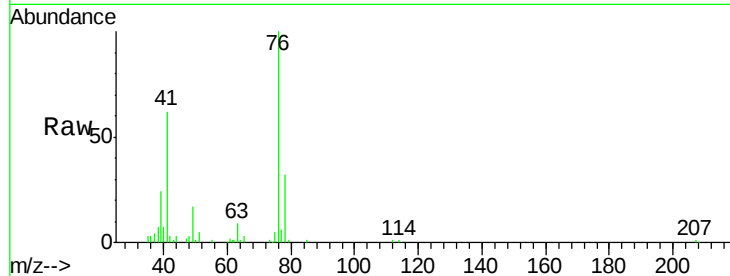
VF0107SBS01

Tot Ion: 76 Resp: 55460

Ion Ratio Lower Upper

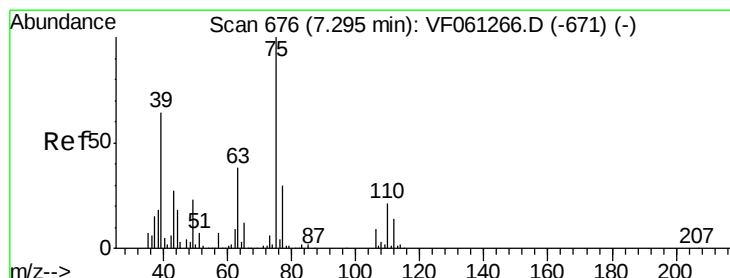
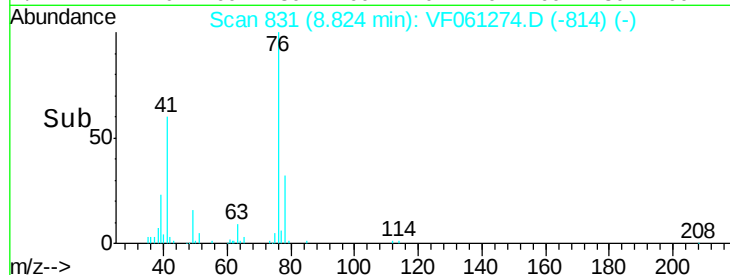
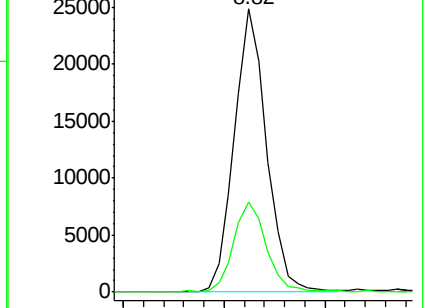
76 100

78 32.0 26.8 40.2



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 40.863 ug/l

RT: 7.27 min Scan# 673

Delta R.T. -0.03 min

Lab File: VF061274.D

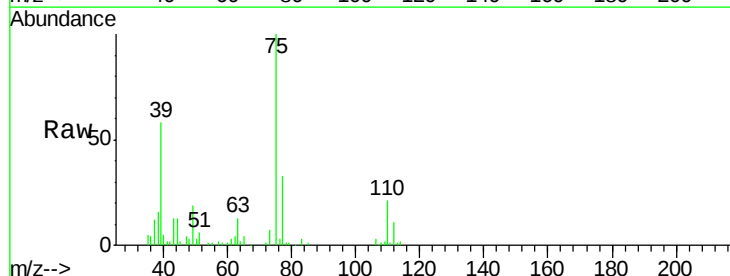
Acq: 7 Jan 2019 12:47

Tgt Ion: 63 Resp: 8511

Ion Ratio Lower Upper

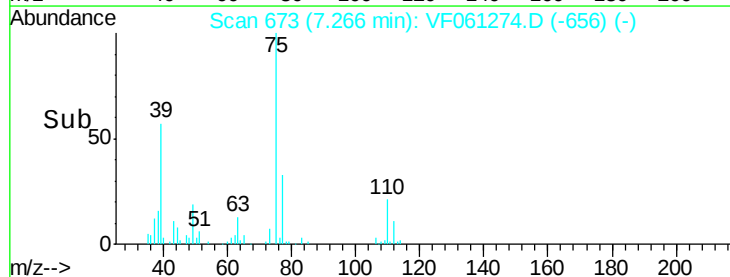
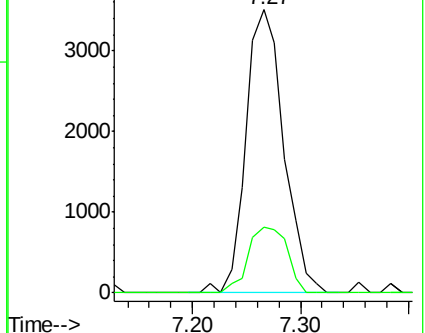
63 100

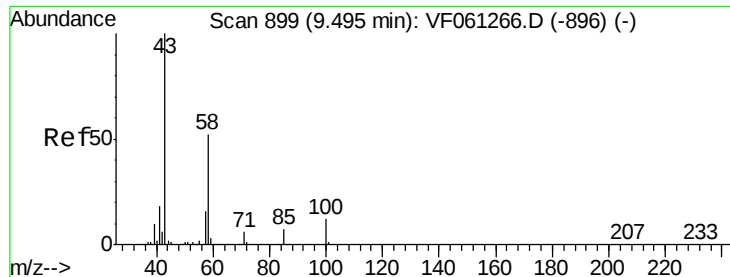
106 23.2 19.2 28.8



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

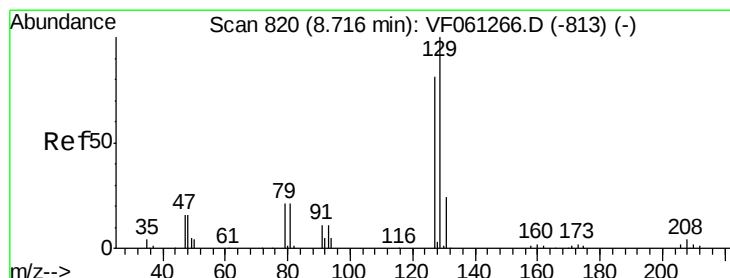
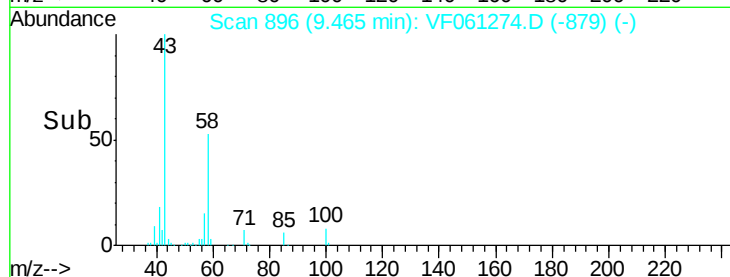
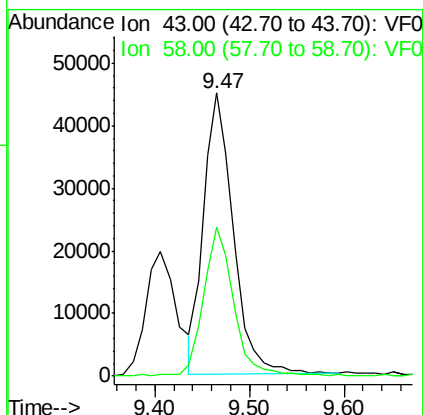
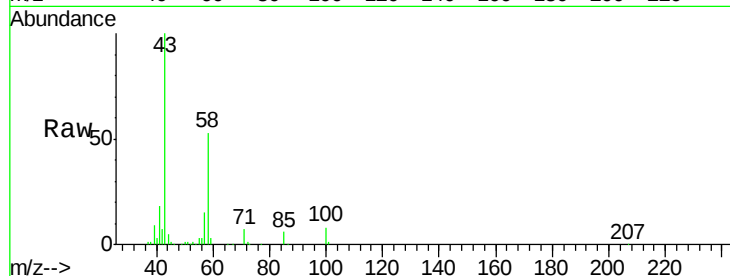




#59
2-Hexanone
Concen: 100.985 ug/l
RT: 9.47 min Scan# 896
Delta R.T. -0.03 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

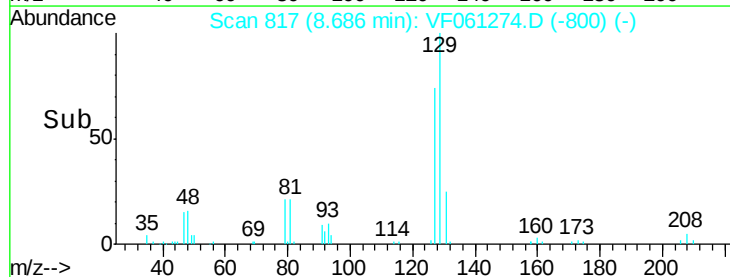
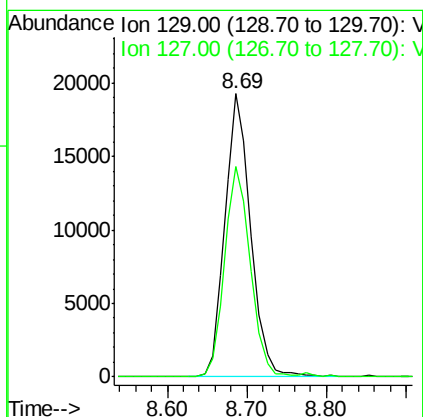
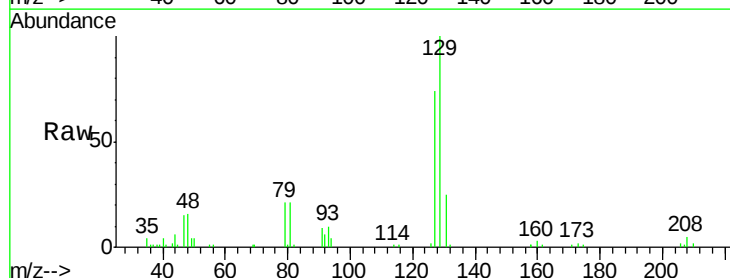
Instrument :
MSVOA_F
ClientSampleId :
VF0107SBS01

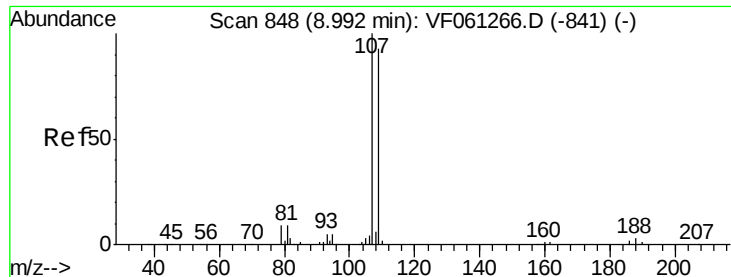
Tot Ion: 43 Resp: 98512
Ion Ratio Lower Upper
43 100
58 52.8 24.4 73.4



#60
Dibromochloromethane
Concen: 19.915 ug/l
RT: 8.69 min Scan# 817
Delta R.T. -0.03 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

Tgt Ion: 129 Resp: 43900
Ion Ratio Lower Upper
129 100
127 74.1 40.7 122.1





#61

1,2-Dibromoethane

Concen: 18.870 ug/l

RT: 8.96 min Scan# 845

Delta R.T. -0.03 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

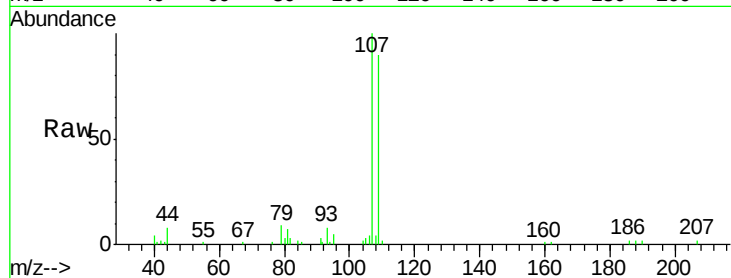
VF0107SBS01

Tot Ion:107 Resp: 31606

Ion Ratio Lower Upper

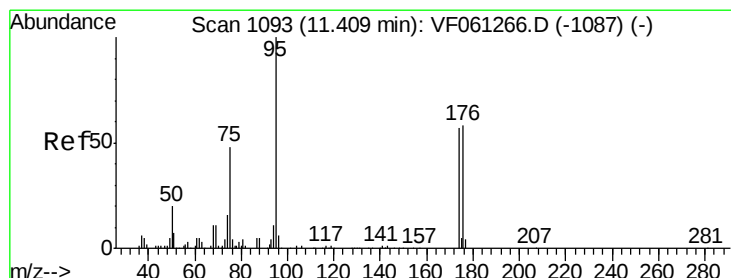
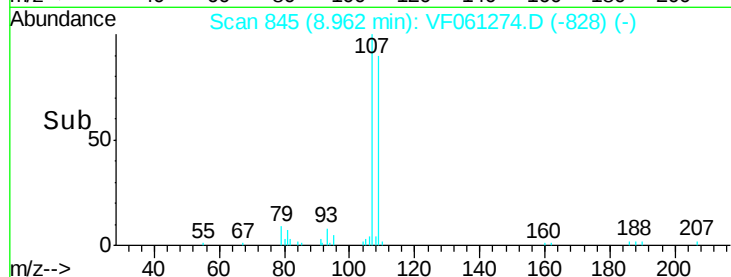
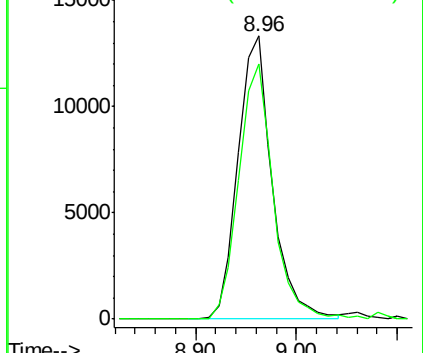
107 100

109 90.3 74.2 111.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 49.563 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.02 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

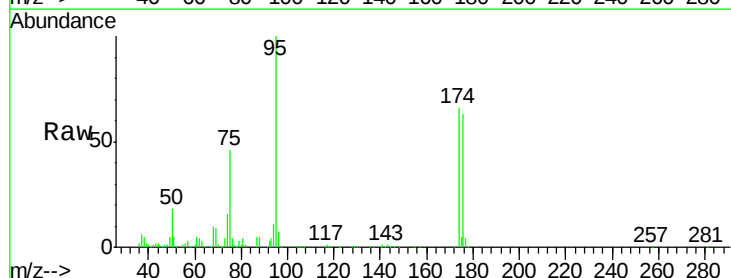
Tgt Ion: 95 Resp: 155027

Ion Ratio Lower Upper

95 100

174 65.6 0.0 113.2

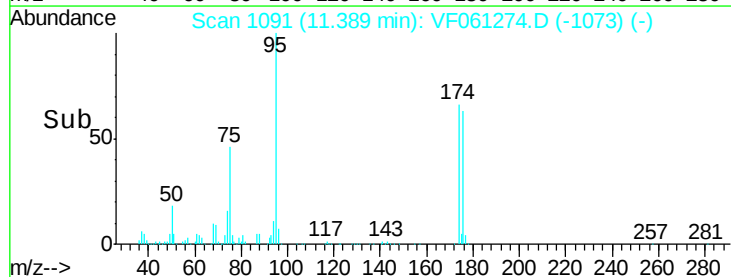
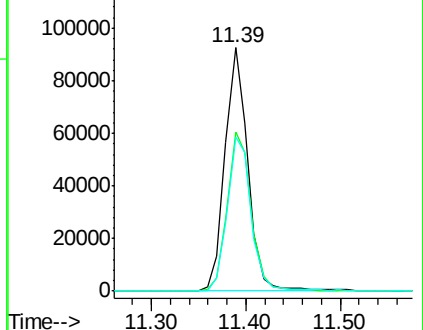
176 63.2 0.0 115.6

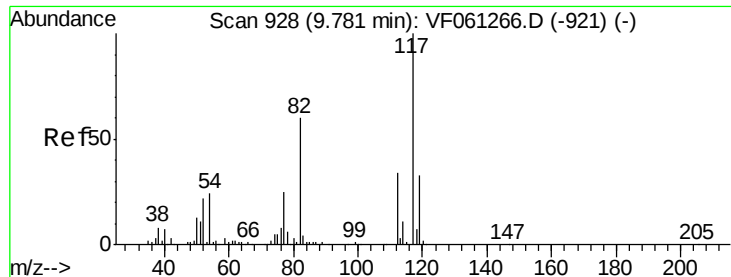


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

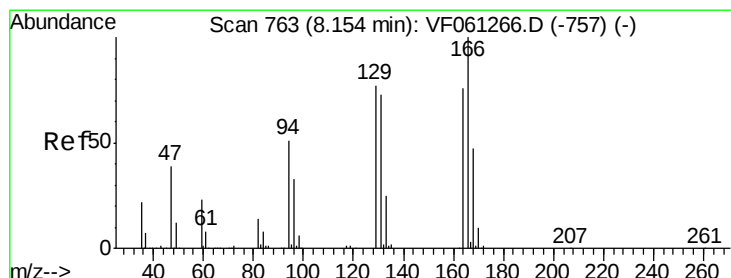
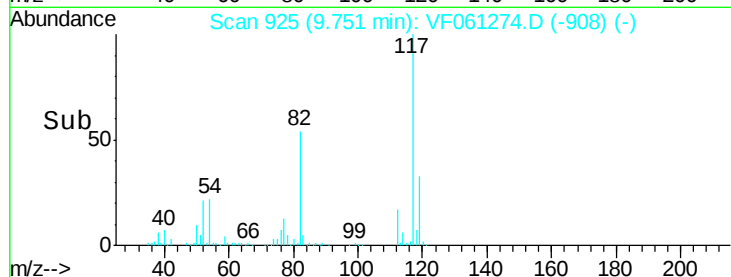
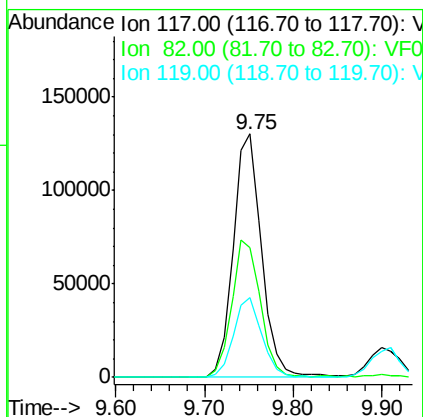
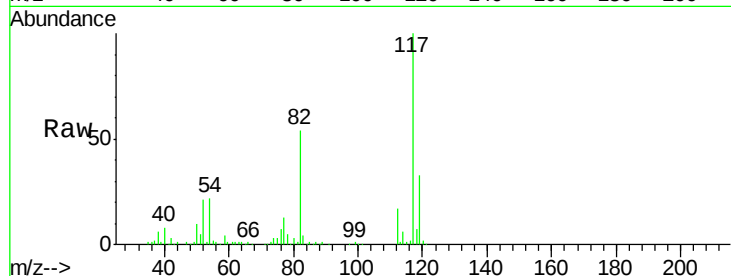




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.03 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

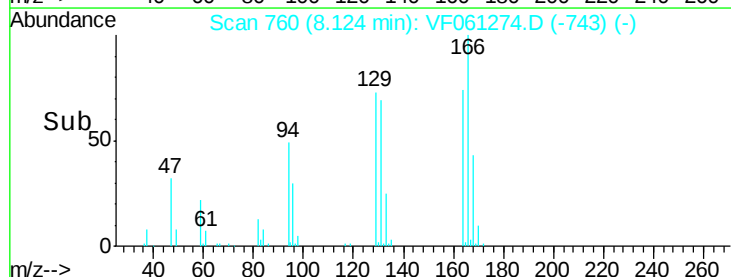
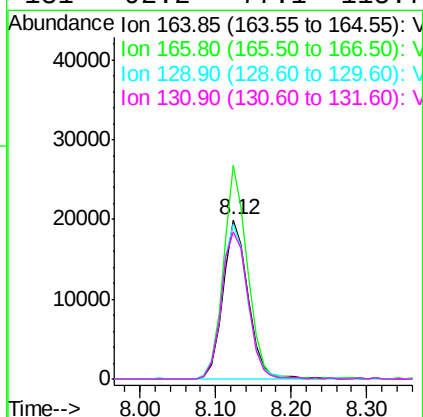
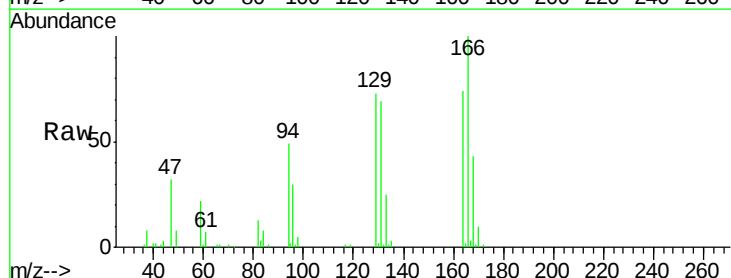
Instrument :
MSVOA_F
ClientSampleId :
VF0107SBS01

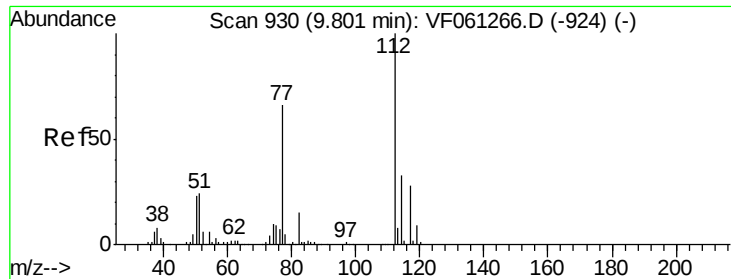
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	47.8	71.6
119	32.9	26.1	39.1



#64
Tetrachloroethene
Concen: 20.560 ug/l
RT: 8.12 min Scan# 760
Delta R.T. -0.03 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.3	105.1	157.7
129	97.6	81.0	121.6
131	92.2	77.1	115.7

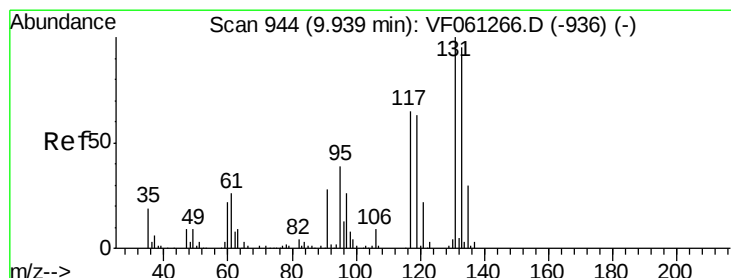
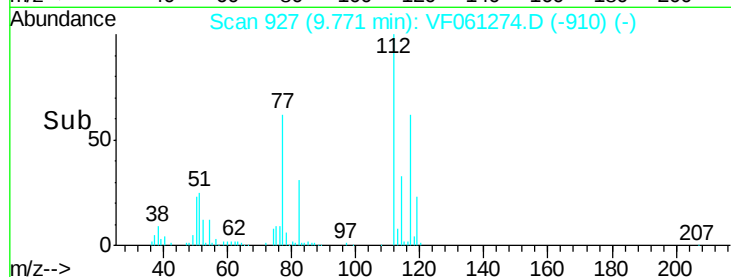
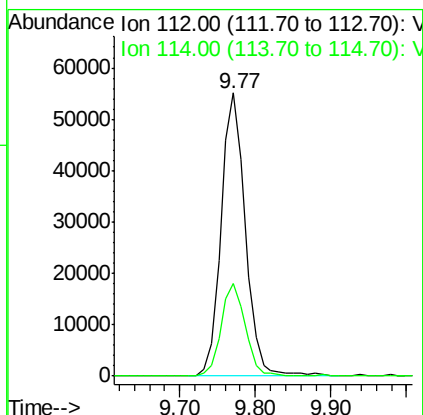
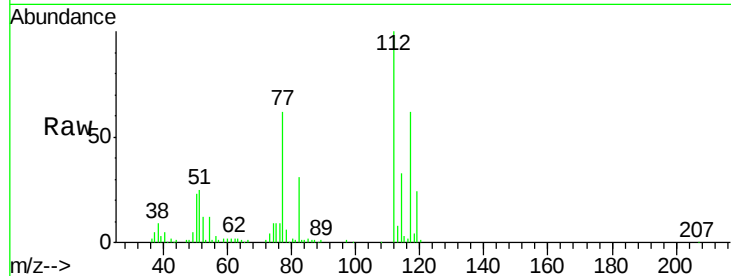




#65
Chlorobenzene
Concen: 20.868 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.03 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

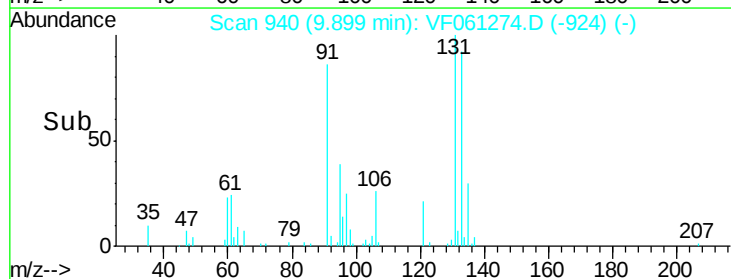
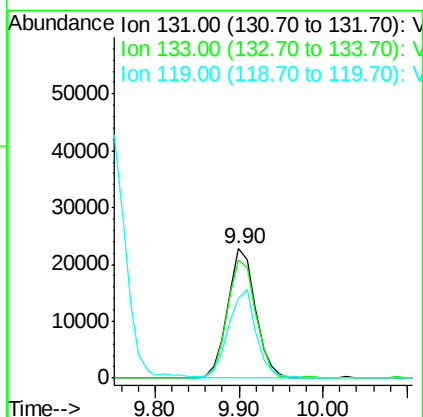
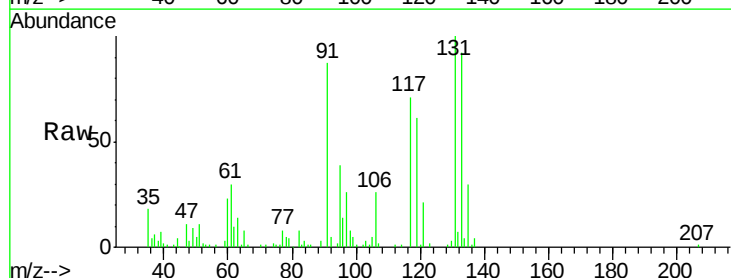
Instrument :
MSVOA_F
ClientSampleId :
VF0107SBS01

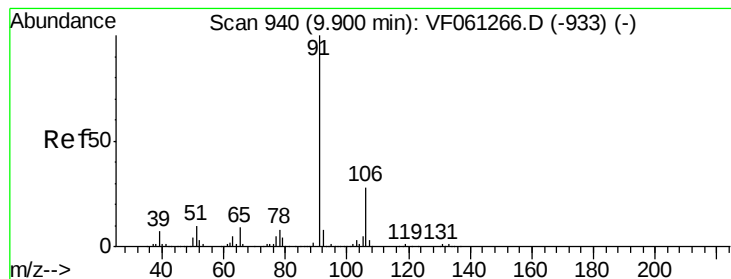
Tot Ion:112 Resp: 123068
Ion Ratio Lower Upper
112 100
114 32.9 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 21.745 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.04 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

Tgt Ion:131 Resp: 52665
Ion Ratio Lower Upper
131 100
133 91.5 47.5 142.5
119 61.1 32.2 96.6

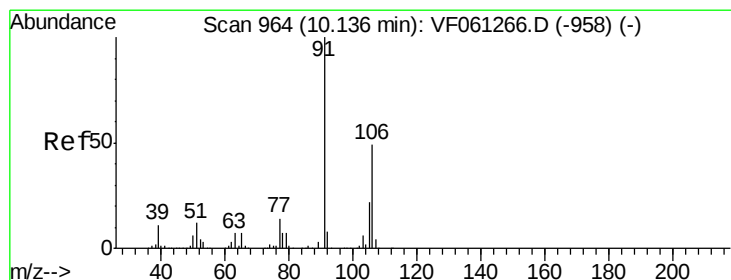
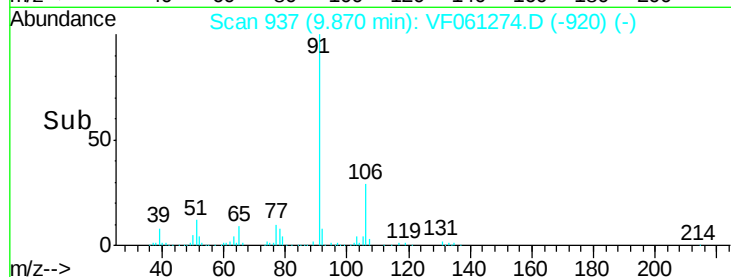
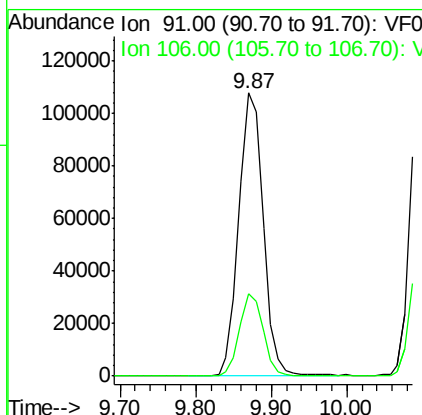
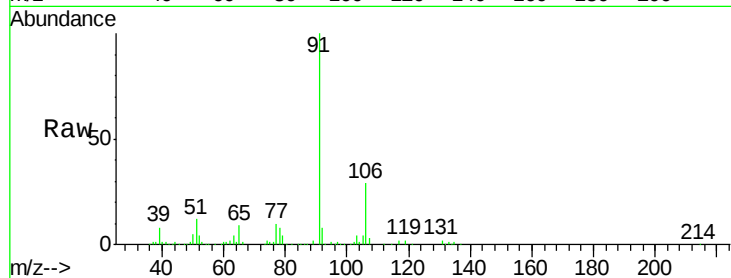




#67
Ethyl Benzene
Concen: 22.328 ug/l
RT: 9.87 min Scan# 937
Delta R.T. -0.03 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

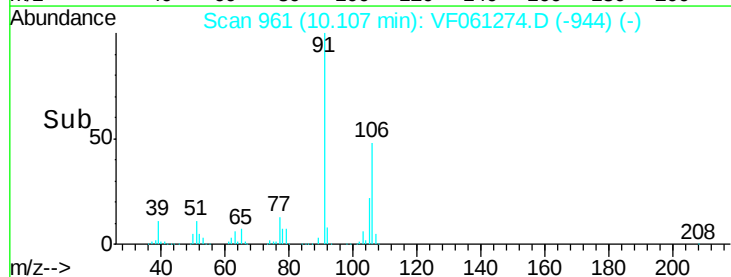
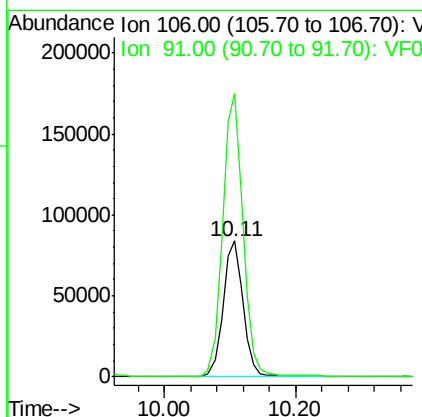
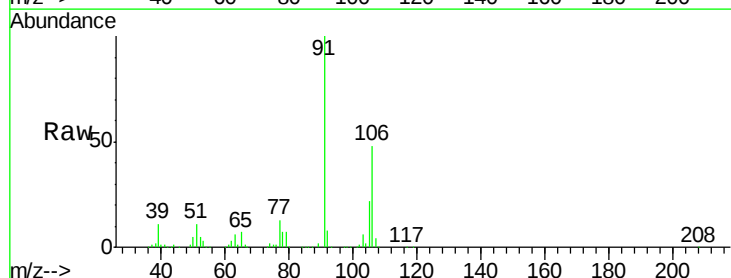
Instrument :
MSVOA_F
ClientSampleId :
VF0107SBS01

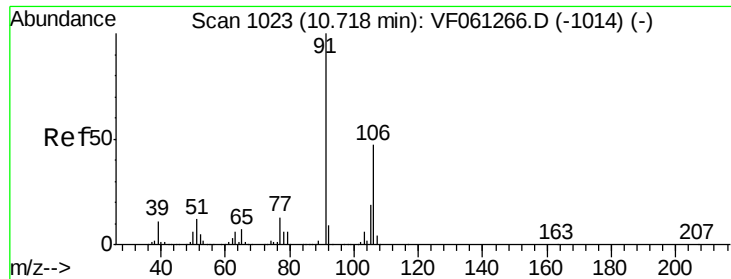
Tot Ion: 91 Resp: 242062
Ion Ratio Lower Upper
91 100
106 29.2 22.8 34.2



#68
m/p-Xylenes
Concen: 45.126 ug/l
RT: 10.11 min Scan# 961
Delta R.T. -0.03 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

Tgt Ion: 106 Resp: 178541
Ion Ratio Lower Upper
106 100
91 208.2 164.8 247.2

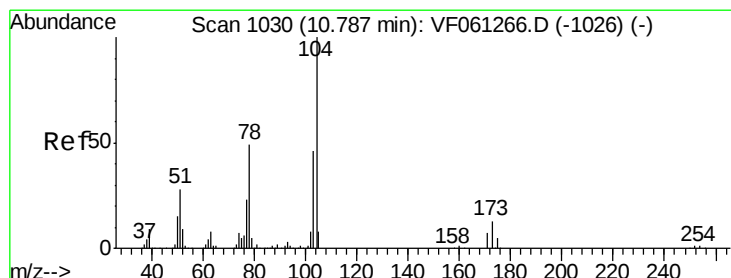
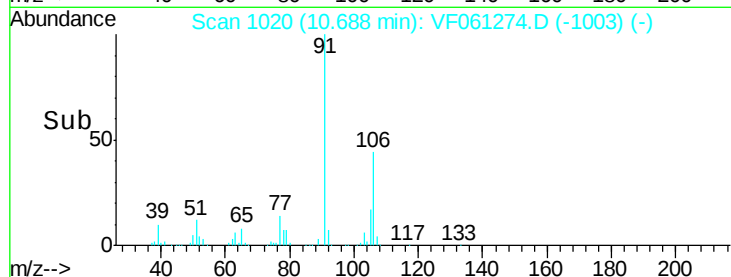
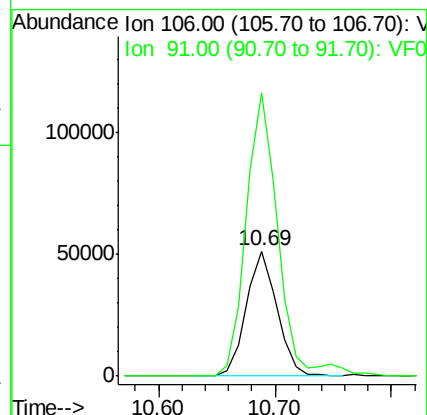
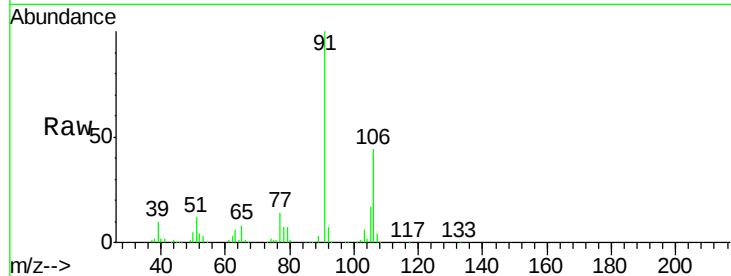




#69
o-Xylene
Concen: 22.053 ug/l
RT: 10.69 min Scan# 1020
Delta R.T. -0.03 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

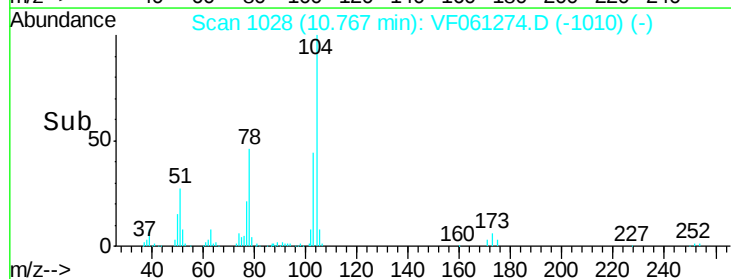
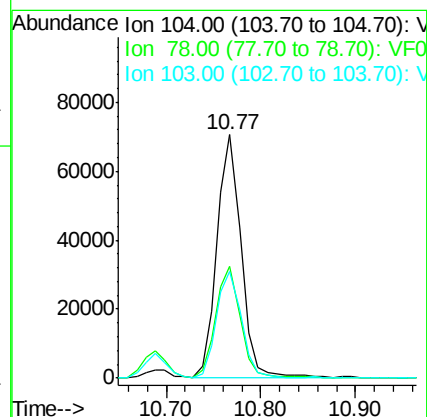
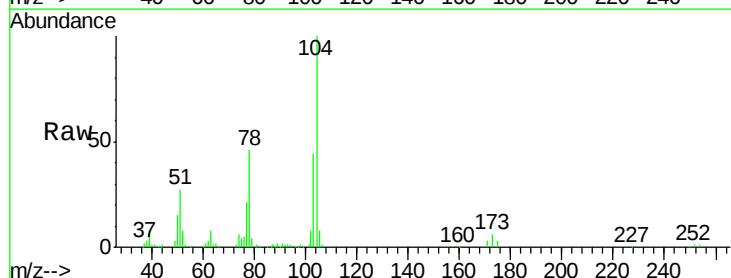
Instrument :
MSVOA_F
ClientSampleId :
VF0107SBS01

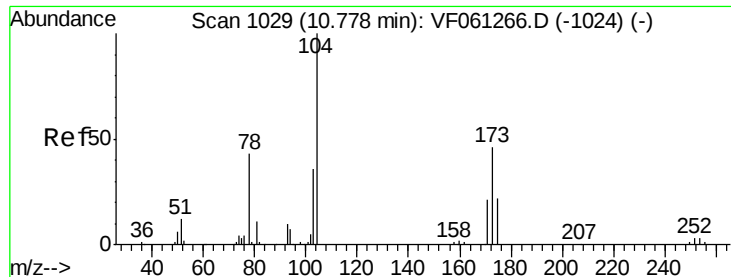
Tot Ion:106 Resp: 94387
Ion Ratio Lower Upper
106 100
91 226.7 106.2 318.5



#70
Styrene
Concen: 21.178 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.02 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

Tgt Ion:104 Resp: 124777
Ion Ratio Lower Upper
104 100
78 46.1 39.3 58.9
103 43.8 37.3 55.9





#71

Bromoform

Concen: 18.938 ug/l

RT: 10.75 min Scan# 1026

Delta R.T. -0.03 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBS01

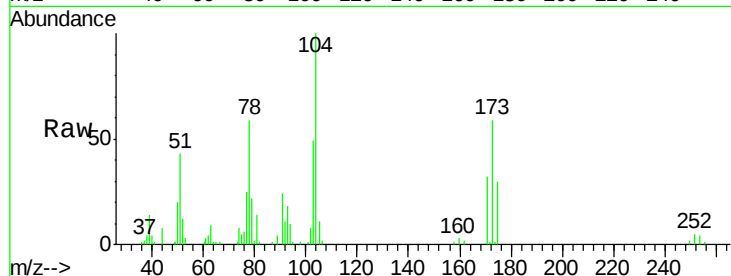
Tot Ion:173 Resp: 21354

Ion Ratio Lower Upper

173 100

175 49.8 24.6 73.6

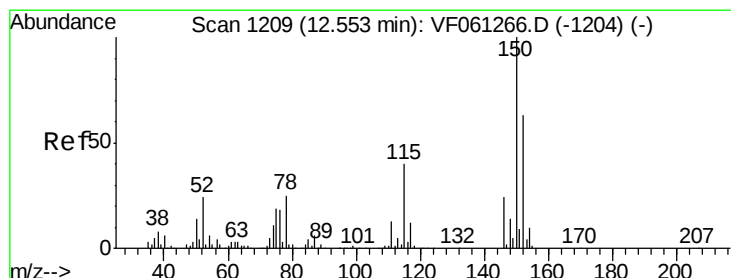
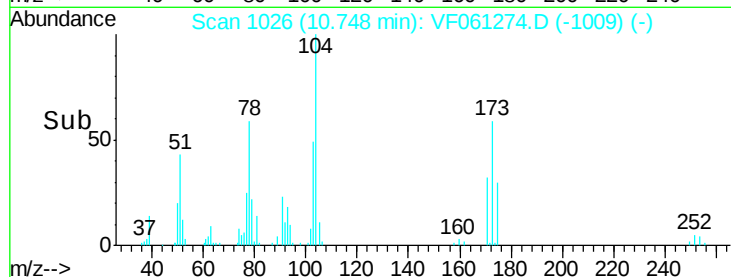
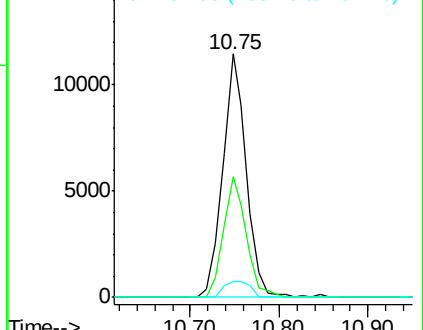
254 6.6 5.3 7.9



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: 12.53 min Scan# 1207

Delta R.T. -0.02 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

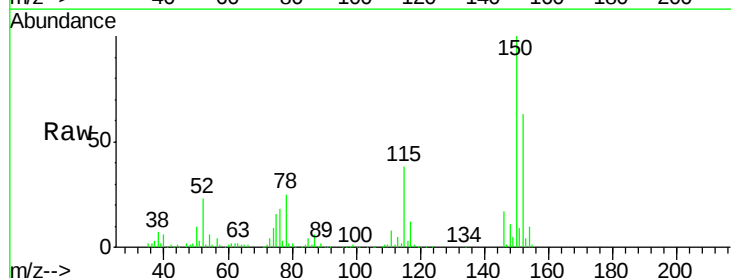
Tgt Ion:152 Resp: 141446

Ion Ratio Lower Upper

152 100

115 60.1 31.6 94.7

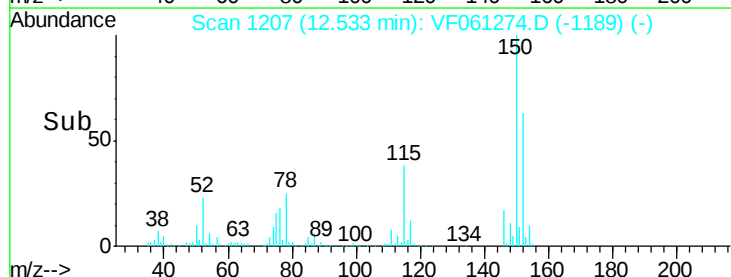
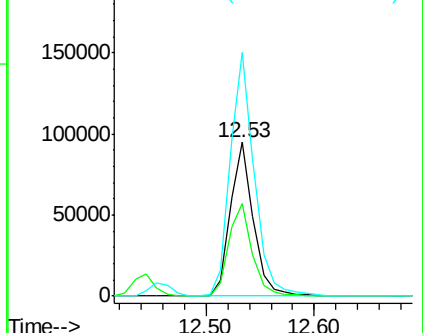
150 158.4 0.0 320.2

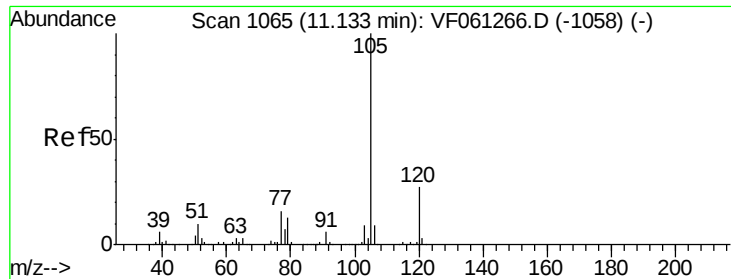


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 24.574 ug/l

RT: 11.10 min Scan# 1062

Delta R.T. -0.03 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

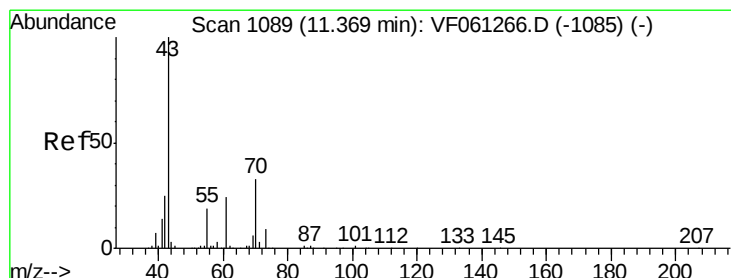
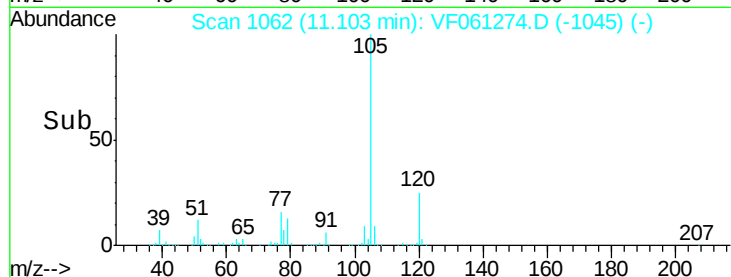
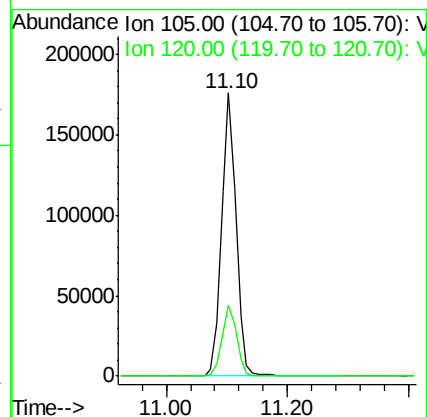
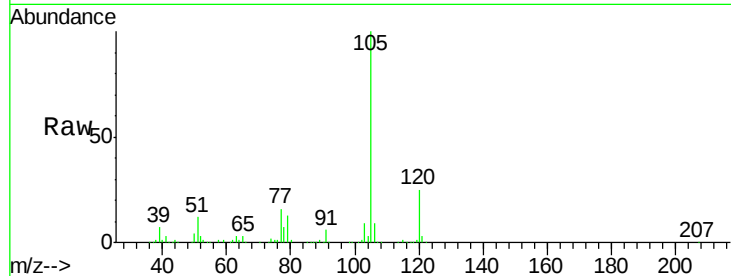
VF0107SBS01

Tot Ion:105 Resp: 295259

Ion Ratio Lower Upper

105 100

120 25.1 13.4 40.1



#74

N-ethyl acetate

Concen: 20.803 ug/l

RT: 11.35 min Scan# 1087

Delta R.T. -0.02 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Tgt Ion: 43 Resp: 63104

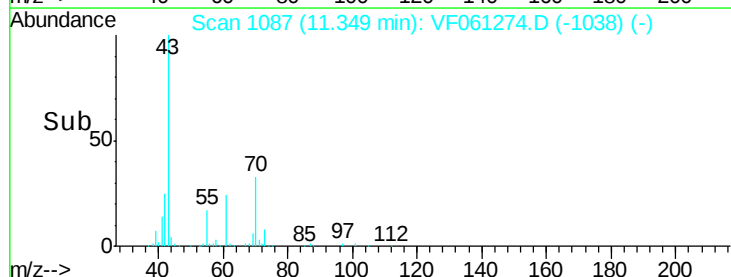
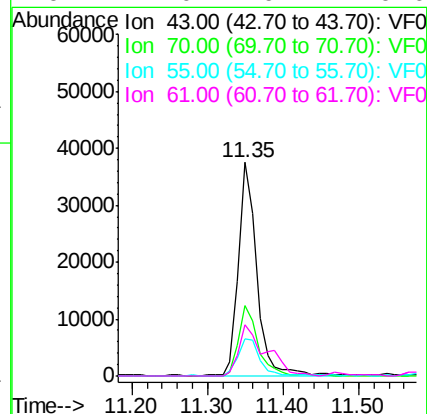
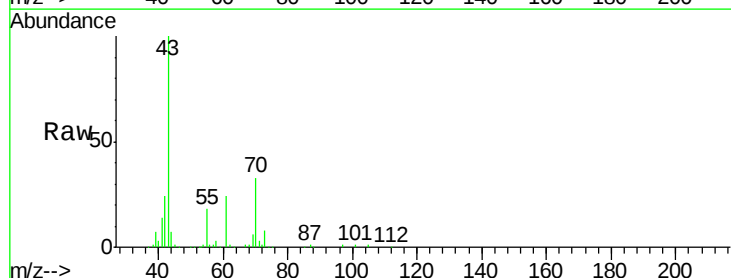
Ion Ratio Lower Upper

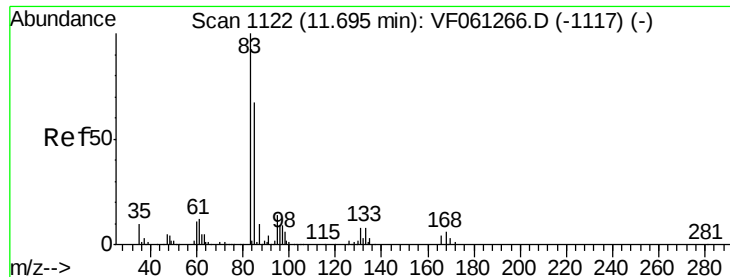
43 100

70 33.0 26.7 40.1

55 17.7 15.4 23.0

61 24.0 19.4 29.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.296 ug/l

RT: 11.67 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBS01

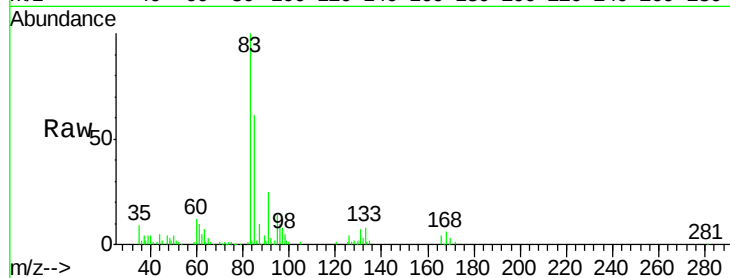
Tot Ion: 83 Resp: 44693

Ion Ratio Lower Upper

83 100

131 6.5 4.0 12.0

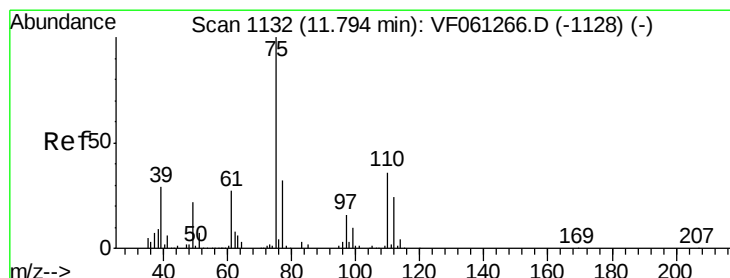
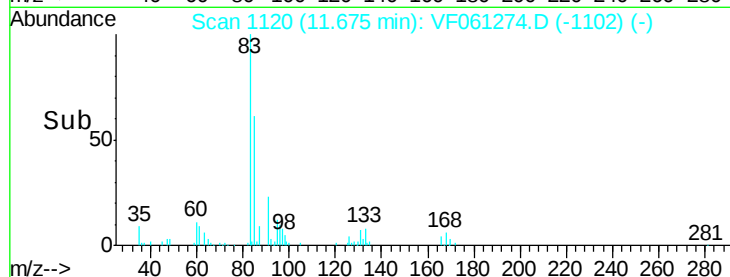
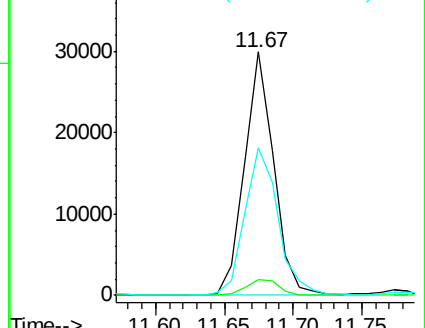
85 60.5 33.6 100.8



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 21.211 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. -0.02 min

Lab File: VF061274.D

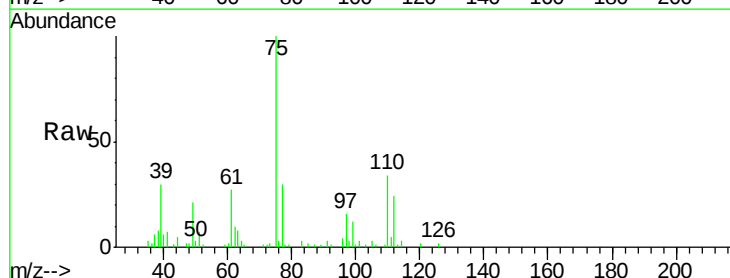
Acq: 7 Jan 2019 12:47

Tgt Ion: 75 Resp: 33046

Ion Ratio Lower Upper

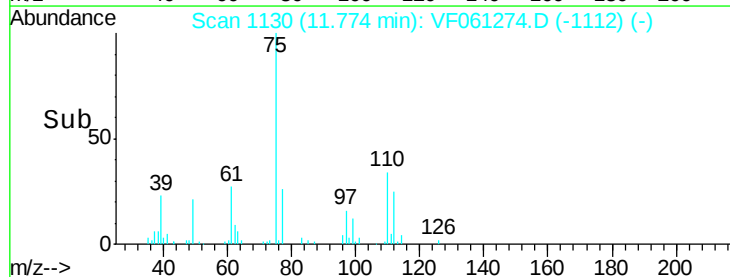
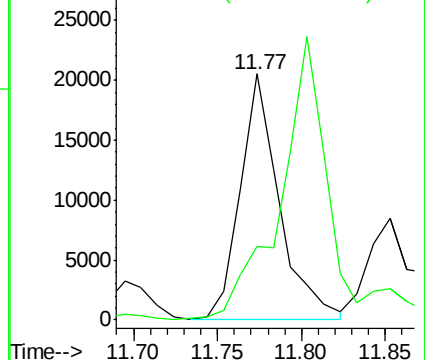
75 100

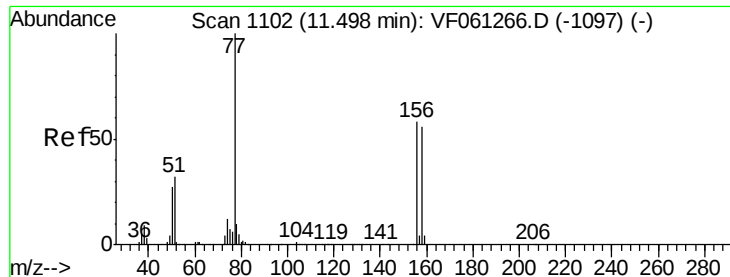
77 29.7 15.9 47.7



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 20.938 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.02 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBS01

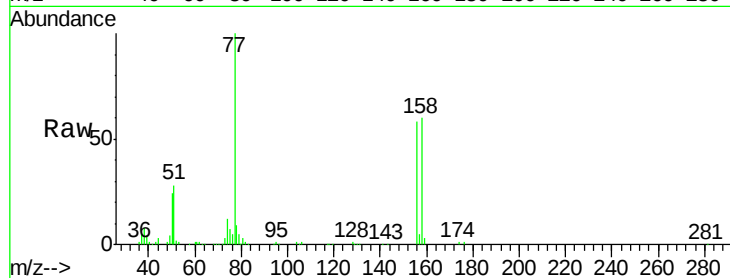
Tot Ion:156 Resp: 52811

Ion Ratio Lower Upper

156 100

77 171.2 85.8 257.3

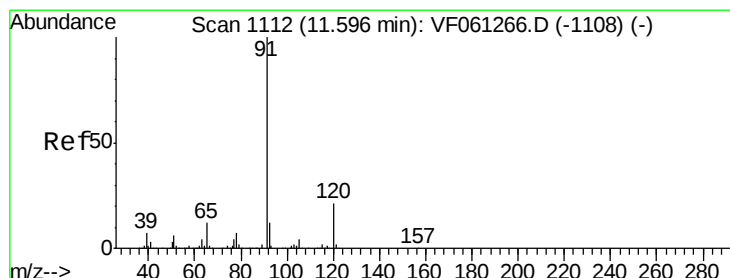
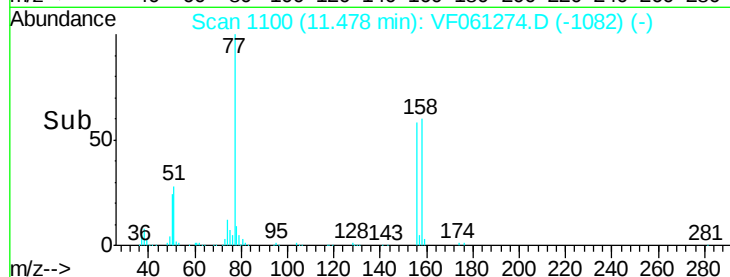
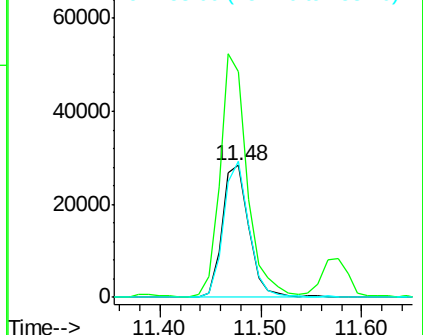
158 102.9 47.6 142.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 23.843 ug/l

RT: 11.58 min Scan# 1110

Delta R.T. -0.02 min

Lab File: VF061274.D

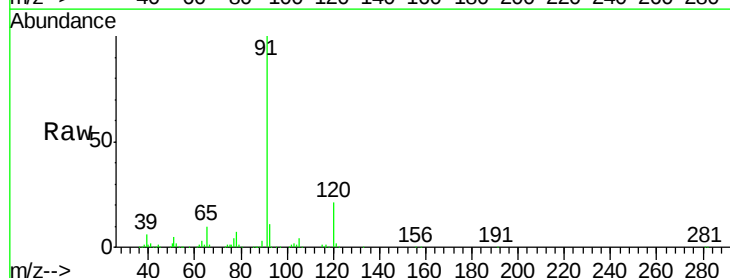
Acq: 7 Jan 2019 12:47

Tgt Ion: 91 Resp: 341466

Ion Ratio Lower Upper

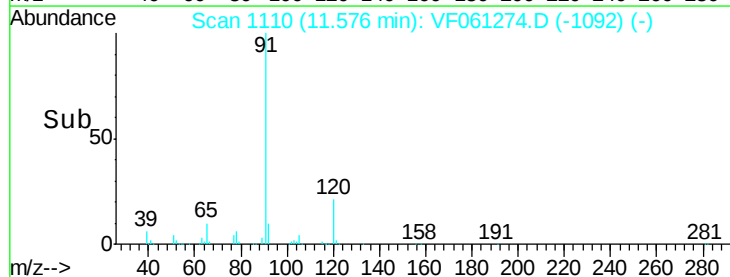
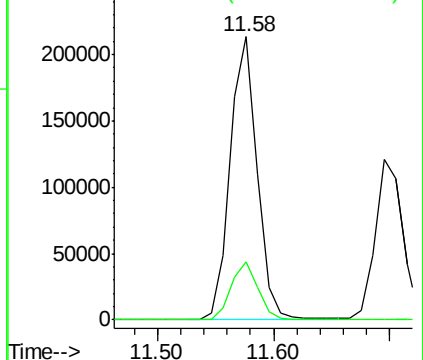
91 100

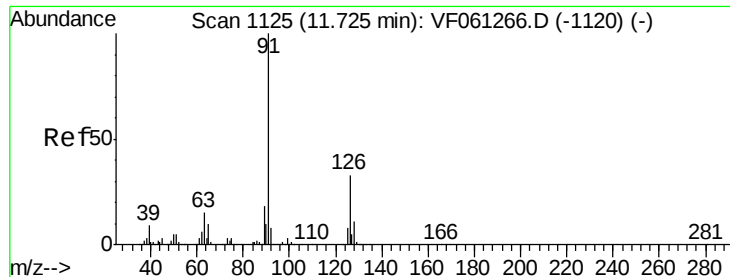
120 20.6 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

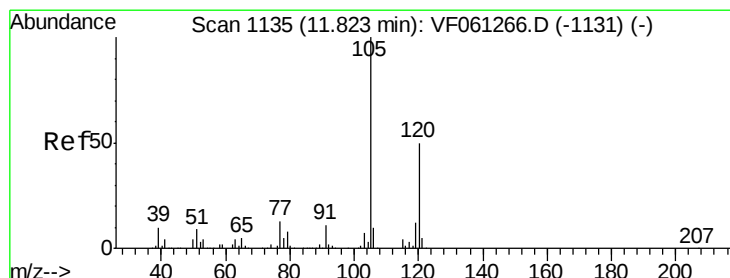
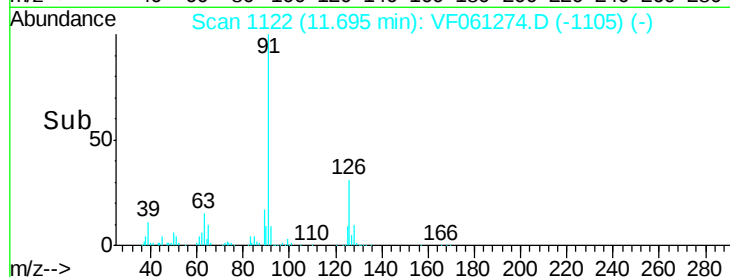
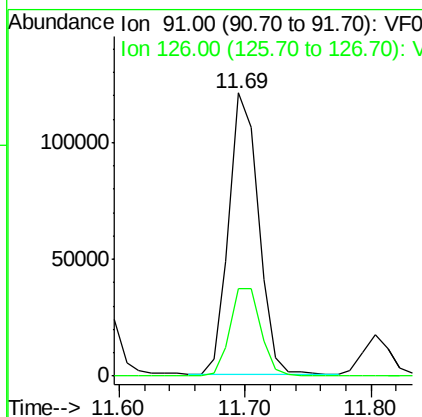
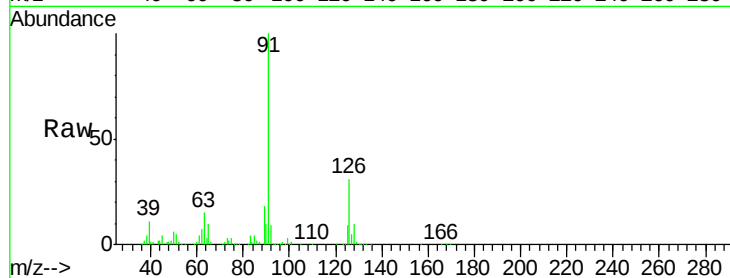




#79
 2-Chlorotoluene
 Concen: 23.905 ug/l
 RT: 11.69 min Scan# 1122
 Delta R.T. -0.03 min
 Lab File: VF061274.D
 Acq: 7 Jan 2019 12:47

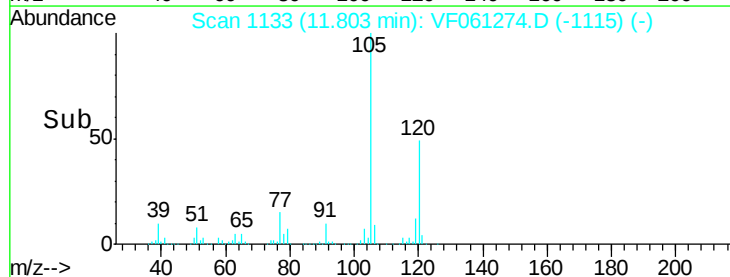
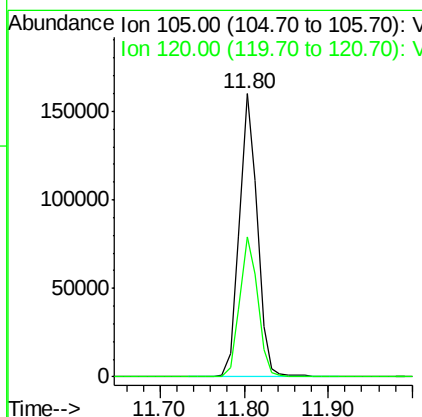
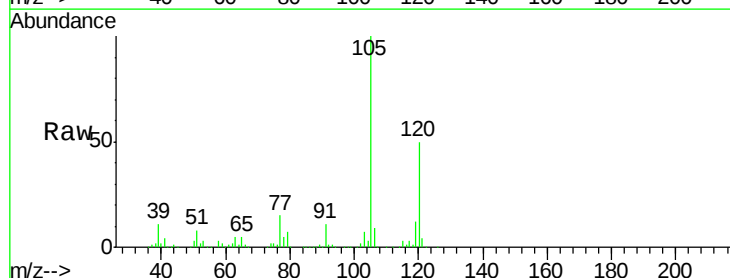
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0107SBS01

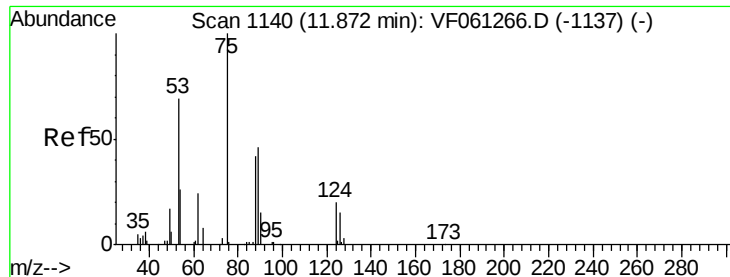
Tot Ion: 91 Resp: 197720
 Ion Ratio Lower Upper
 91 100
 126 31.0 16.3 48.8



#80
 1,3,5-Trimethylbenzene
 Concen: 24.604 ug/l
 RT: 11.80 min Scan# 1133
 Delta R.T. -0.02 min
 Lab File: VF061274.D
 Acq: 7 Jan 2019 12:47

Tgt Ion: 105 Resp: 238653
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.8 74.4

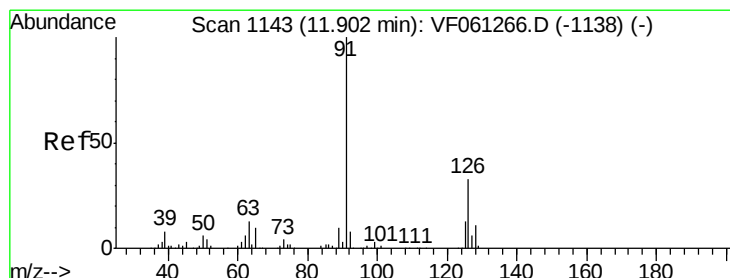
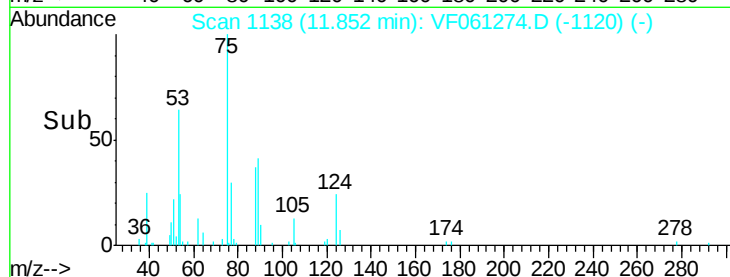
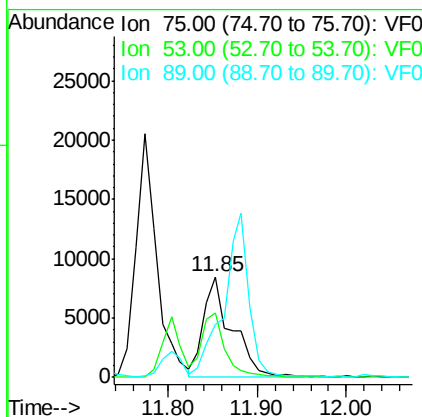
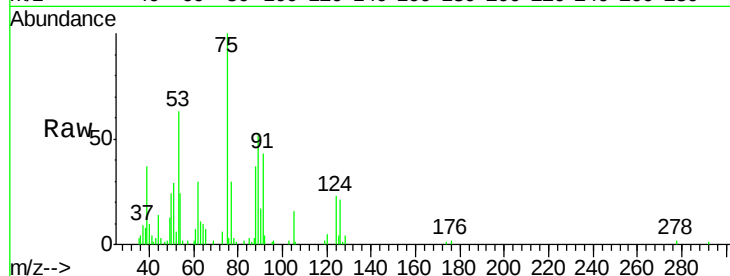




#81
trans-1,4-Dichloro-2-butene
Concen: 26.712 ug/l
RT: 11.85 min Scan# 1138
Delta R.T. -0.02 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

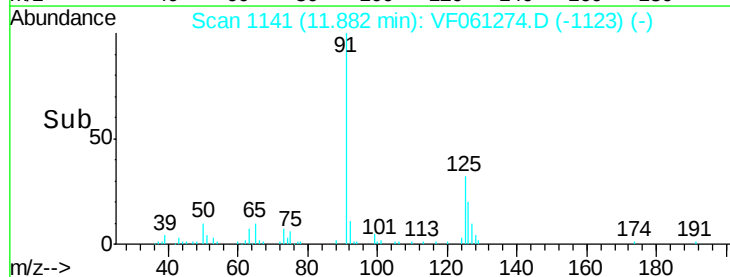
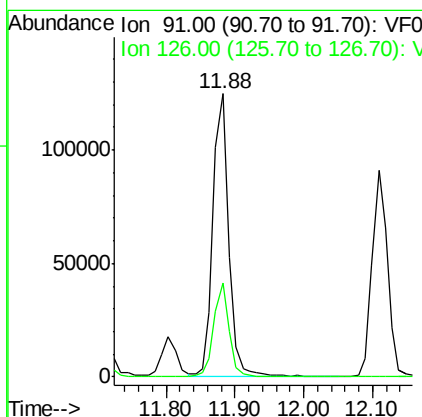
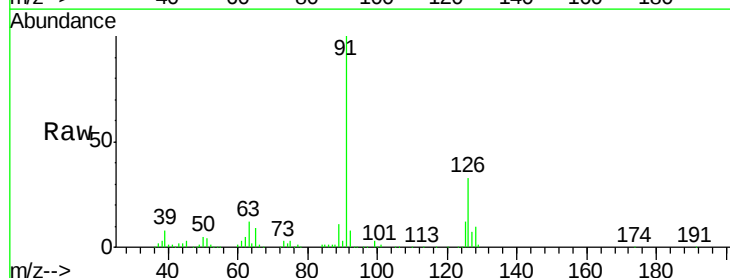
Instrument :
MSVOA_F
ClientSampleId :
VF0107SBS01

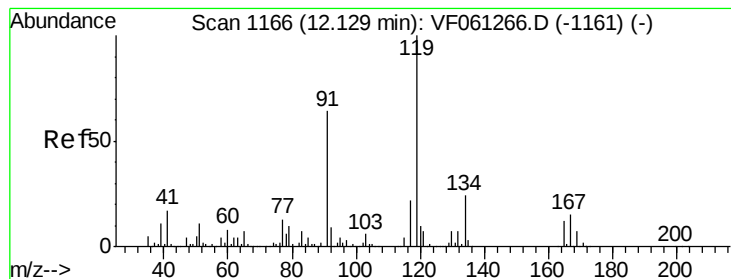
Tot Ion: 75 Resp: 19074
Ion Ratio Lower Upper
75 100
53 63.5 61.7 92.5
89 53.1 40.3 60.5



#82
4-Chlorotoluene
Concen: 23.653 ug/l
RT: 11.88 min Scan# 1141
Delta R.T. -0.02 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

Tgt Ion: 91 Resp: 198319
Ion Ratio Lower Upper
91 100
126 33.1 16.3 48.8





#83

tert-Butylbenzene

Concen: 22.925 ug/l

RT: 12.11 min Scan# 1164

Delta R.T. -0.02 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBS01

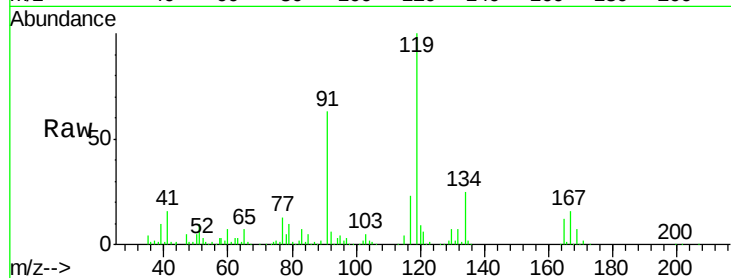
Tot Ion:119 Resp: 229270

Ion Ratio Lower Upper

119 100

91 62.7 32.0 96.0

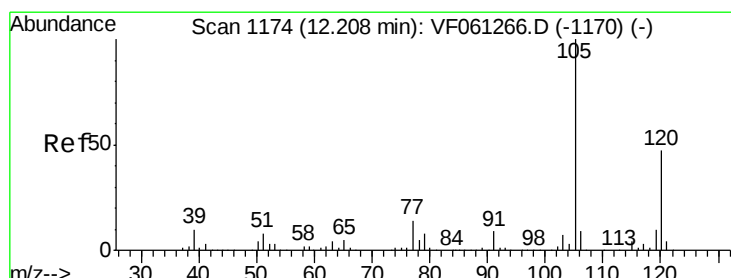
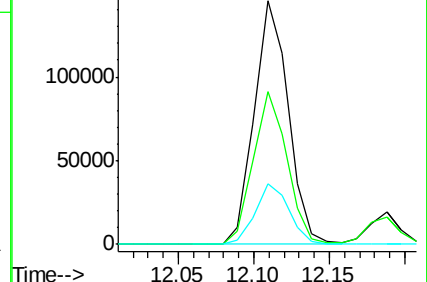
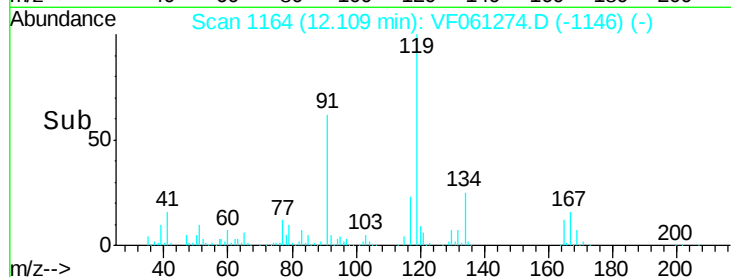
134 24.6 12.1 36.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 23.770 ug/l

RT: 12.19 min Scan# 1172

Delta R.T. -0.02 min

Lab File: VF061274.D

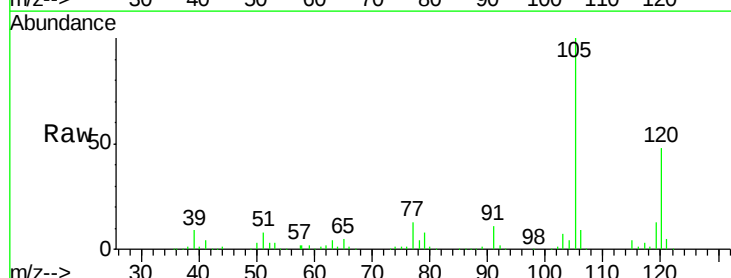
Acq: 7 Jan 2019 12:47

Tgt Ion:105 Resp: 229530

Ion Ratio Lower Upper

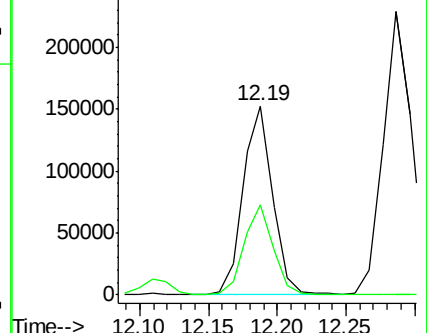
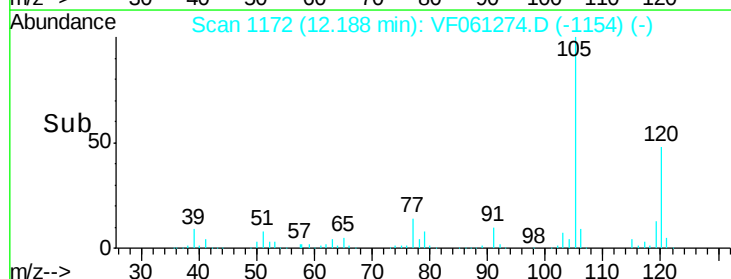
105 100

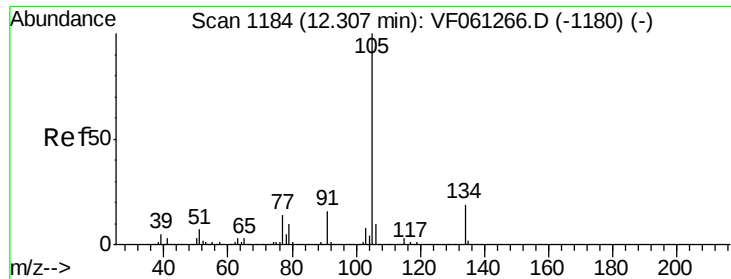
120 48.0 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

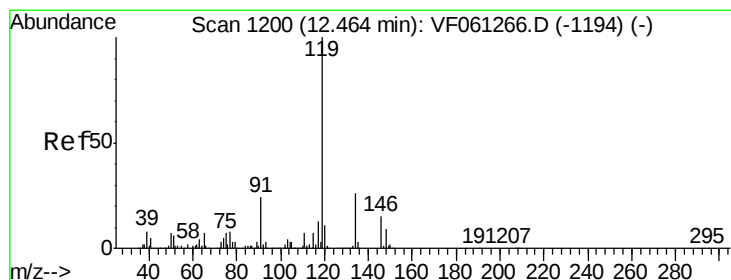
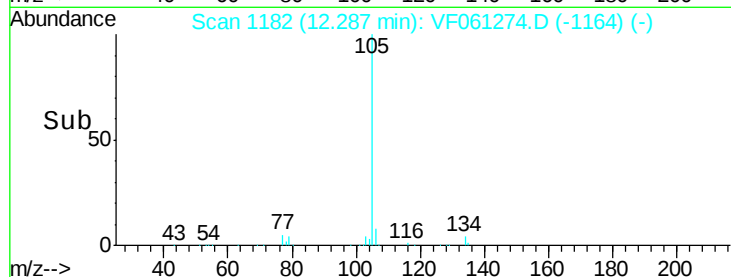
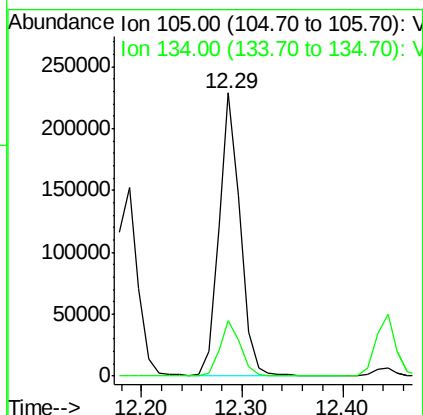
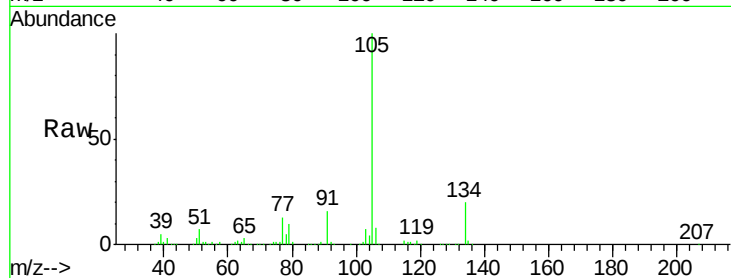




#85
 sec-Butylbenzene
 Concen: 24.543 ug/l
 RT: 12.29 min Scan# 1182
 Delta R.T. -0.02 min
 Lab File: VF061274.D
 Acq: 7 Jan 2019 12:47

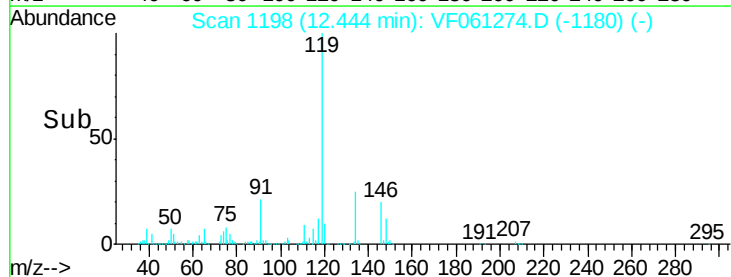
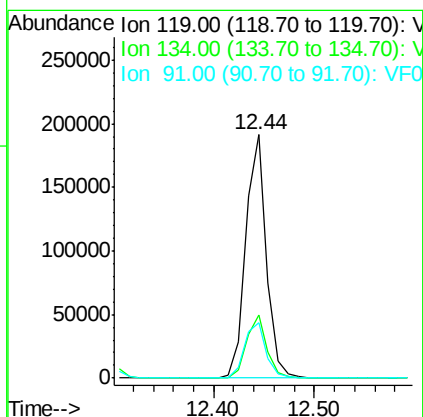
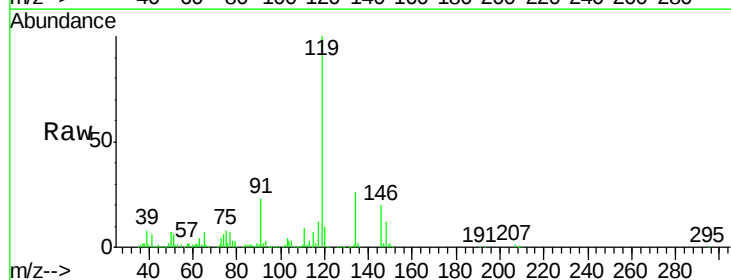
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0107SBS01

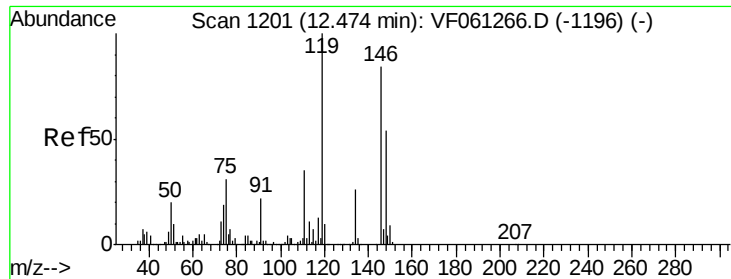
Tot Ion:105 Resp: 332943
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 24.382 ug/l
 RT: 12.44 min Scan# 1198
 Delta R.T. -0.02 min
 Lab File: VF061274.D
 Acq: 7 Jan 2019 12:47

Tgt Ion:119 Resp: 272537
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.2 39.6
 91 22.9 11.9 35.7

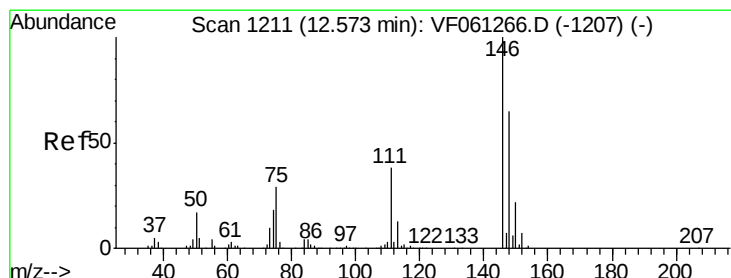
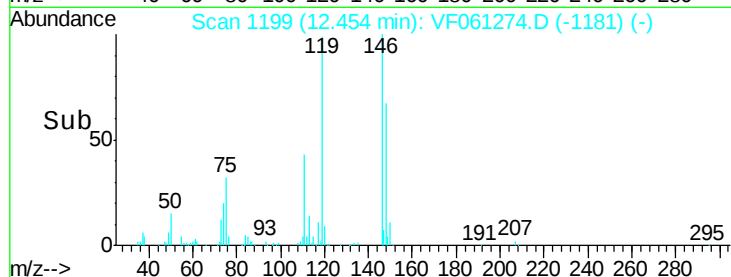
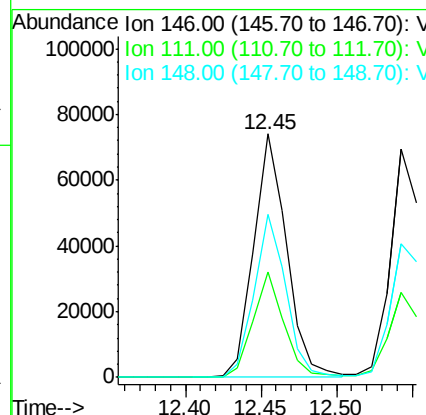
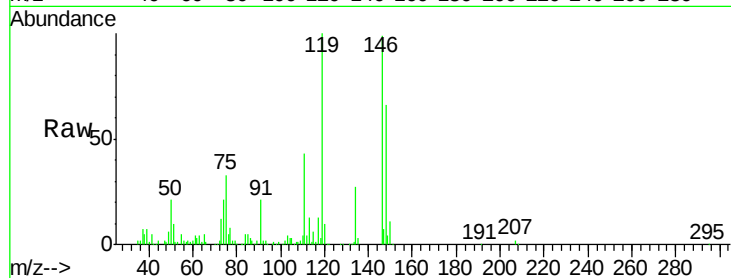




#87
 1,3-Dichlorobenzene
 Concen: 23.230 ug/l
 RT: 12.45 min Scan# 1199
 Delta R.T. -0.02 min
 Lab File: VF061274.D
 Acq: 7 Jan 2019 12:47

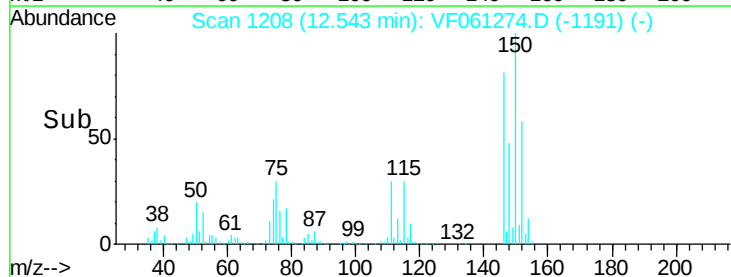
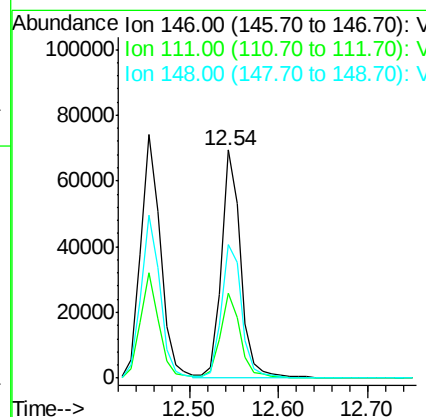
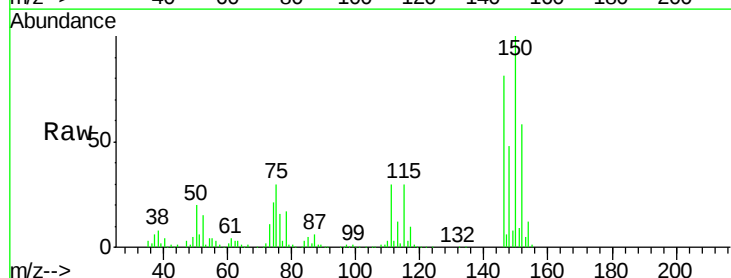
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0107SBS01

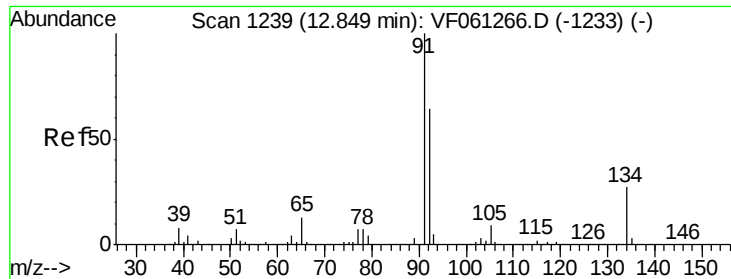
Tot Ion:146 Resp: 113061
 Ion Ratio Lower Upper
 146 100
 111 43.1 20.9 62.8
 148 67.1 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 22.083 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. -0.03 min
 Lab File: VF061274.D
 Acq: 7 Jan 2019 12:47

Tgt Ion:146 Resp: 104868
 Ion Ratio Lower Upper
 146 100
 111 37.4 19.3 57.9
 148 58.4 32.6 98.0

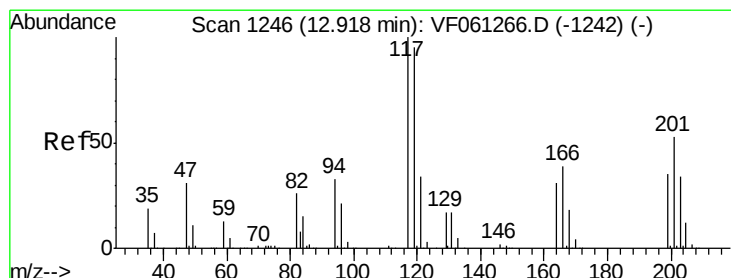
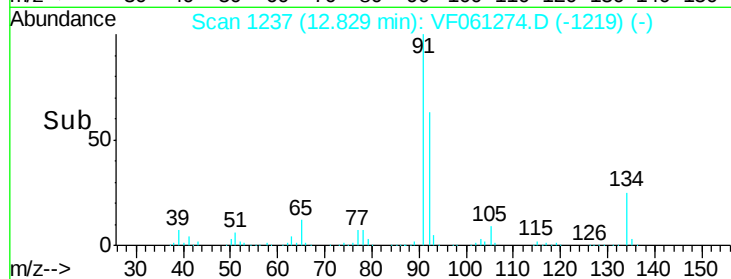
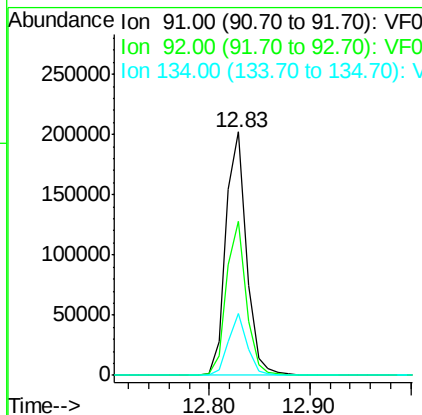
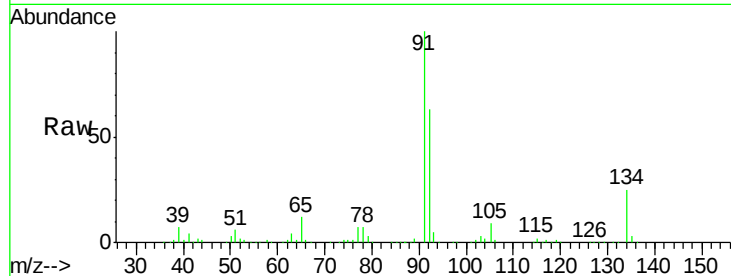




#89
n-Butylbenzene
Concen: 25.137 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

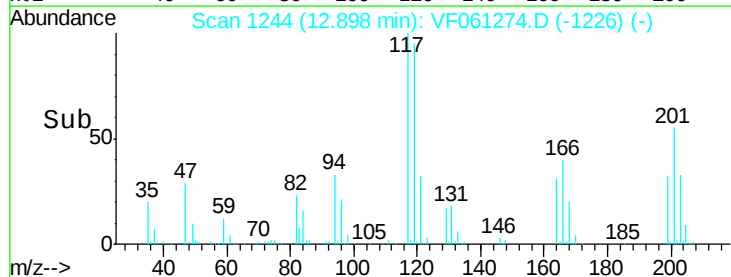
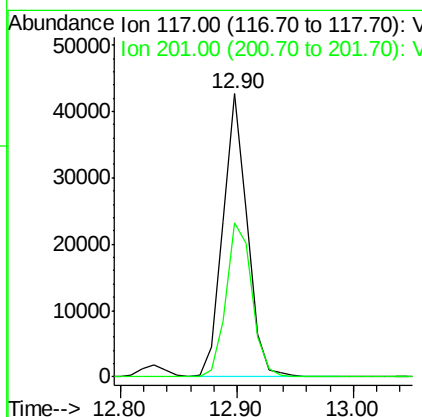
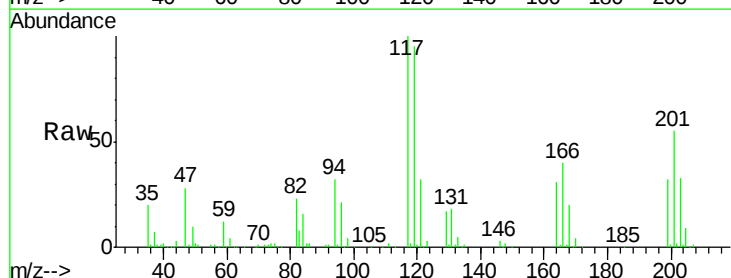
Instrument :
MSVOA_F
ClientSampleId :
VF0107SBS01

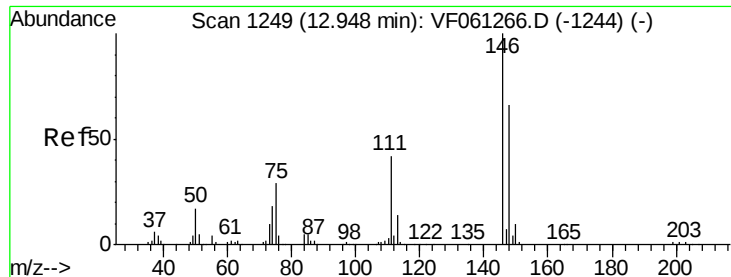
Tot Ion: 91 Resp: 287204
Ion Ratio Lower Upper
91 100
92 63.2 31.9 95.7
134 25.2 13.6 40.7



#90
Hexachloroethane
Concen: 22.494 ug/l
RT: 12.90 min Scan# 1244
Delta R.T. -0.02 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

Tgt Ion: 117 Resp: 62031
Ion Ratio Lower Upper
117 100
201 54.6 26.6 79.7





#91

1,2-Dichlorobenzene

Concen: 22.545 ug/l

RT: 12.93 min Scan# 1247

Delta R.T. -0.02 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBS01

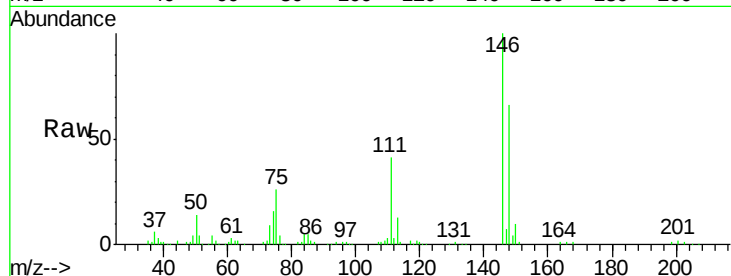
Tot Ion:146 Resp: 105998

Ion Ratio Lower Upper

146 100

111 40.7 21.1 63.4

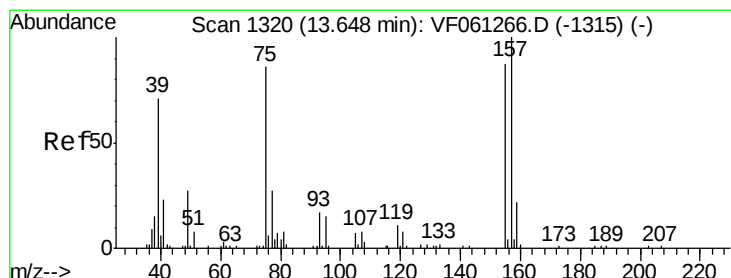
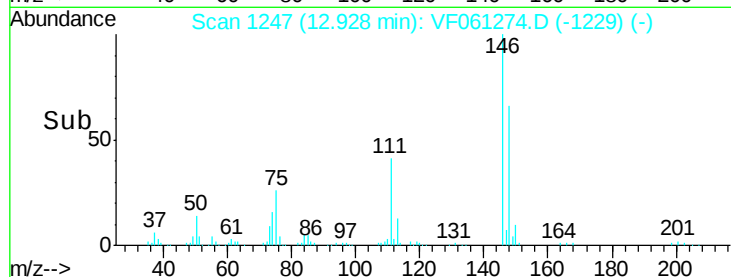
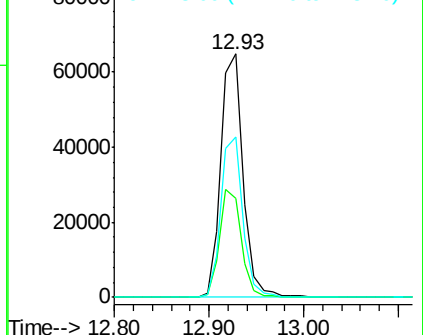
148 66.1 32.8 98.4



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: 20.390 ug/l

RT: 13.63 min Scan# 1318

Delta R.T. -0.02 min

Lab File: VF061274.D

Acq: 7 Jan 2019 12:47

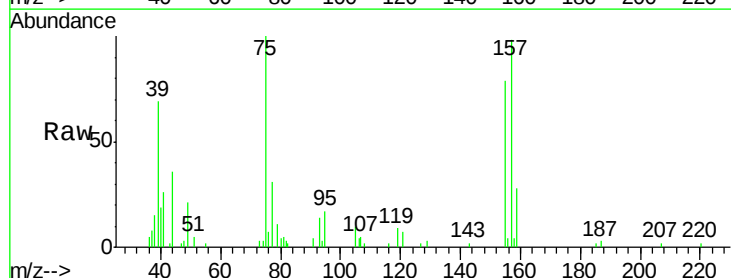
Tgt Ion: 75 Resp: 7690

Ion Ratio Lower Upper

75 100

155 78.7 50.6 151.8

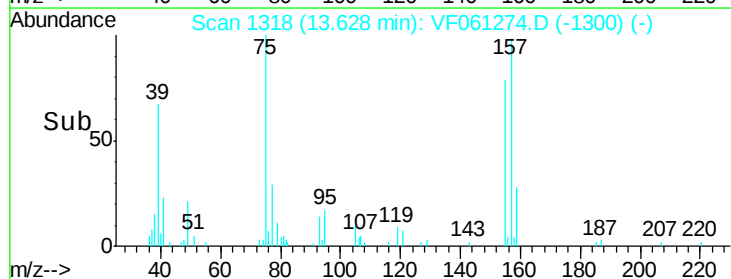
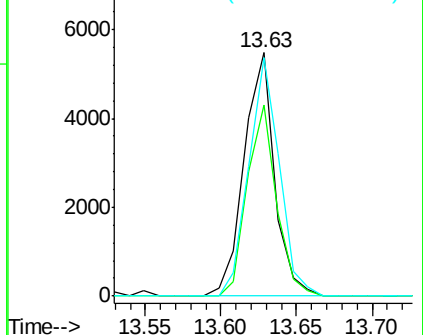
157 98.0 58.0 173.9

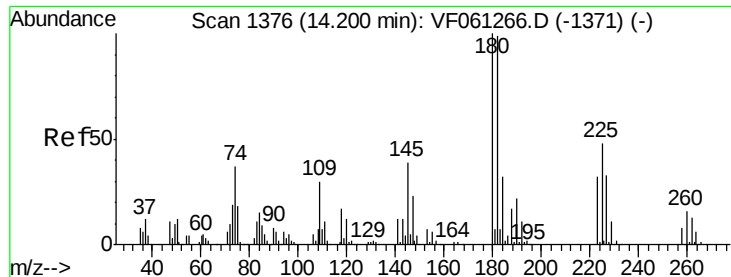


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

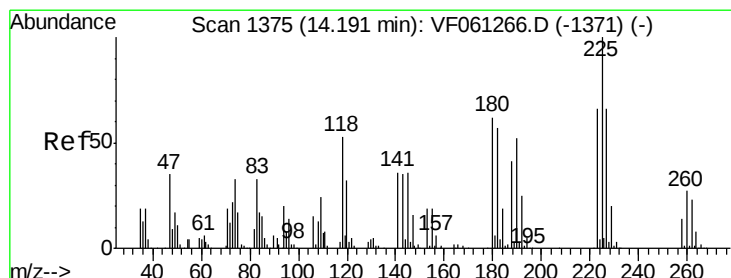
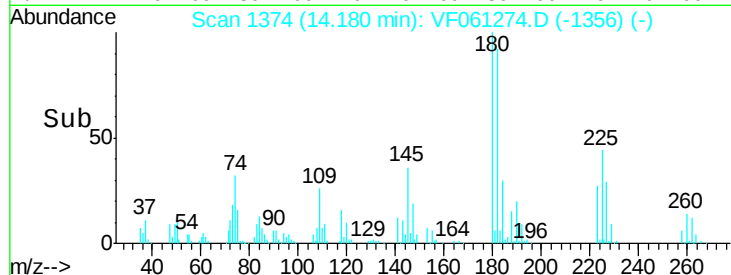
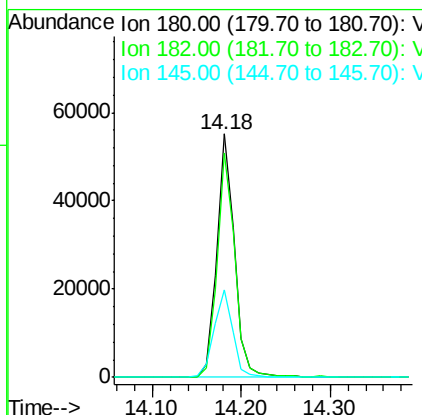
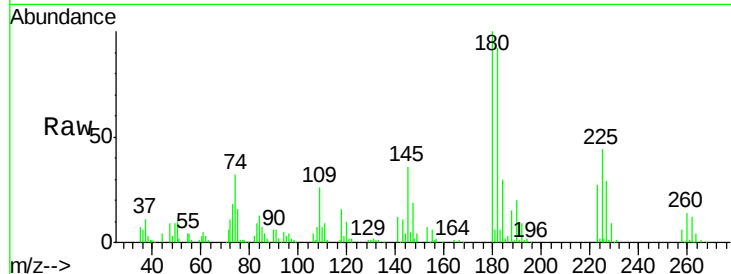




#93
 1,2,4-Trichlorobenzene
 Concen: 23.291 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.02 min
 Lab File: VF061274.D
 Acq: 7 Jan 2019 12:47

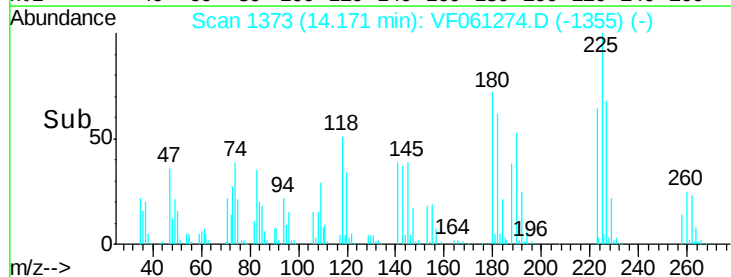
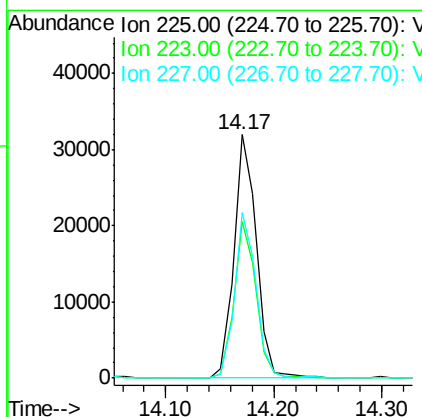
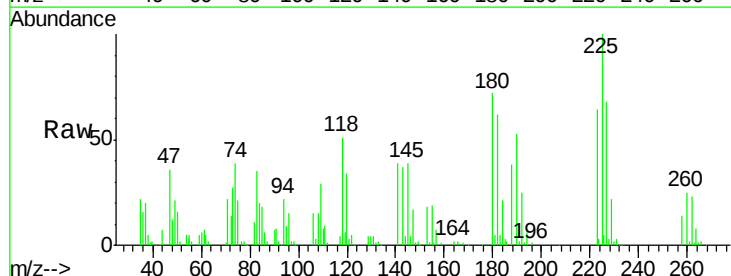
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0107SBS01

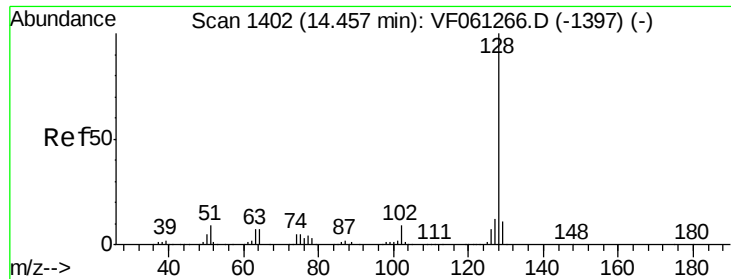
Tot Ion:180 Resp: 76682
 Ion Ratio Lower Upper
 180 100
 182 92.0 49.5 148.3
 145 35.7 19.7 59.0



#94
 Hexachlorobutadiene
 Concen: 21.977 ug/l
 RT: 14.17 min Scan# 1373
 Delta R.T. -0.02 min
 Lab File: VF061274.D
 Acq: 7 Jan 2019 12:47

Tgt Ion:225 Resp: 46099
 Ion Ratio Lower Upper
 225 100
 223 64.2 33.0 99.0
 227 67.9 32.8 98.4

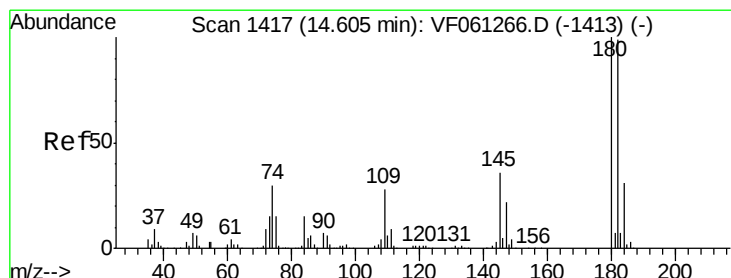
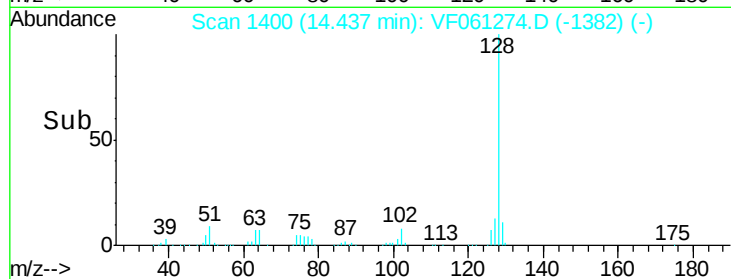
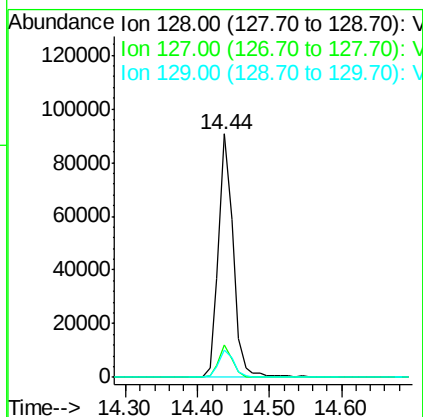
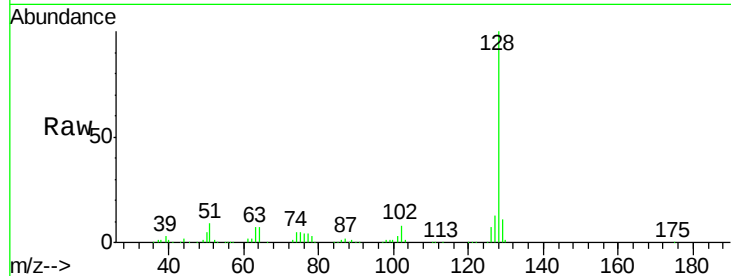




#95
Naphthalene
Concen: 20.763 ug/l
RT: 14.44 min Scan# 1400
Delta R.T. -0.02 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

Instrument :
MSVOA_F
ClientSampleId :
VF0107SBS01

Tot Ion:128 Resp: 127776
Ion Ratio Lower Upper
128 100
127 13.1 9.8 14.6
129 11.0 9.0 13.4



#96
1,2,3-Trichlorobenzene
Concen: 21.303 ug/l
RT: 14.58 min Scan# 1415
Delta R.T. -0.02 min
Lab File: VF061274.D
Acq: 7 Jan 2019 12:47

Tgt Ion:180 Resp: 65030
Ion Ratio Lower Upper
180 100
182 102.9 49.5 148.5
145 34.4 18.0 54.0

