

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012419\
 Data File : VF061494.D
 Acq On : 24 Jan 2019 12:18
 Operator : VA/AP
 Sample : VF0124SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0124SBS01

Quant Time: Jan 25 04:06:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.90	168	212180	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	5.63	114	385501	50.00	ug/l	0.04
63) Chlorobenzene-d5	9.81	117	319008	50.00	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	12.58	152	161502	50.00	ug/l	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.87	65	107009	40.85	ug/l	0.04
Spiked Amount			Recovery	=	81.70%	
35) Dibromofluoromethane	4.14	113	134028	44.06	ug/l	0.04
Spiked Amount			Recovery	=	88.12%	
50) Toluene-d8	7.59	98	354529	42.54	ug/l	0.04
Spiked Amount			Recovery	=	85.08%	
62) 4-Bromofluorobenzene	11.43	95	160602	41.24	ug/l	0.03
Spiked Amount			Recovery	=	82.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	66502	15.951	ug/l	93
3) Chloromethane	1.11	50	58405	19.106	ug/l	95
4) Vinyl Chloride	1.16	62	47315	17.400	ug/l	94
5) Bromomethane	1.34	94	28793	16.238	ug/l	95
6) Chloroethane	1.40	64	22377	18.571	ug/l	93
7) Trichlorofluoromethane	1.49	101	56845	10.753	ug/l	89
8) Diethyl Ether	1.65	74	13013	19.211	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.86	101	40888	16.097	ug/l	93
10) Methyl Iodide	1.92	142	53746	13.649	ug/l	97
11) Tert butyl alcohol	2.60	59	9906	89.336	ug/l #	83
12) 1,1-Dichloroethene	1.82	96	33133	17.557	ug/l	92
13) Acrolein	2.02	56	6199	72.558	ug/l	93
14) Allyl chloride	2.11	41	50730	21.520	ug/l	90
15) Acrylonitrile	2.97	53	23785	83.741	ug/l	94
16) Acetone	2.26	43	63990	121.763	ug/l	98
17) Carbon Disulfide	1.78	76	13887	2.360	ug/l	95
18) Methyl Acetate	2.37	43	19748	18.948	ug/l	98
19) Methyl tert-butyl Ether	2.46	73	73487	17.371	ug/l	99
20) Methylene Chloride	2.20	84	12361	5.360	ug/l	92
21) trans-1,2-Dichloroethene	2.33	96	35046	16.879	ug/l	94
22) Diisopropyl ether	2.83	45	130192	19.386	ug/l	95
23) Vinyl Acetate	3.22	43	299248	103.207	ug/l	98
24) 1,1-Dichloroethane	2.89	63	73472	17.432	ug/l	97
25) 2-Butanone	4.37	43	98787	113.037	ug/l	98
26) 2,2-Dichloropropane	3.63	77	45439	17.547	ug/l	98
27) cis-1,2-Dichloroethene	3.50	96	57843	18.873	ug/l	94
28) Bromochloromethane	3.76	49	34449	18.183	ug/l	98
29) Tetrahydrofuran	4.10	42	38999	103.635	ug/l	98
30) Chloroform	3.89	83	107789	18.949	ug/l	100
31) Cyclohexane	3.72	56	45560	10.821	ug/l	95
32) 1,1,1-Trichloroethane	4.13	97	65115	15.612	ug/l	97
36) 1,1-Dichloropropene	4.31	75	82388	18.433	ug/l	95
37) Ethyl Acetate	4.14	43	34059	19.063	ug/l #	82
38) Carbon Tetrachloride	4.03	117	61445	15.725	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012419\
 Data File : VF061494.D
 Acq On : 24 Jan 2019 12:18
 Operator : VA/AP
 Sample : VF0124SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0124SBS01

Quant Time: Jan 25 04:06:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.49	83	83142	17.164	ug/l	95
40) Benzene	4.67	78	187589	18.861	ug/l	99
41) Methacrylonitrile	4.78	41	18539	19.500	ug/l #	88
42) 1,2-Dichloroethane	4.97	62	62328	17.586	ug/l	96
43) Isopropyl Acetate	7.00	43	40198	17.926	ug/l #	98
44) Trichloroethene	5.54	130	56048	18.370	ug/l	97
45) 1,2-Dichloropropane	6.27	63	48239	18.480	ug/l	99
46) Dibromomethane	6.12	93	29173	16.808	ug/l	94
47) Bromodichloromethane	6.42	83	75672	17.621	ug/l	97
48) Methyl methacrylate	6.75	41	28263	18.770	ug/l	97
49) 1,4-Dioxane	6.75	88	4340	369.111	ug/l	89
51) 4-Methyl-2-Pentanone	8.29	43	153102	92.872	ug/l	98
52) Toluene	7.66	92	119001	18.169	ug/l	97
53) t-1,3-Dichloropropene	8.31	75	60358	17.700	ug/l	94
54) cis-1,3-Dichloropropene	7.33	75	79552	18.663	ug/l	98
55) 1,1,2-Trichloroethane	8.52	97	34320	18.452	ug/l	92
56) Ethyl methacrylate	8.65	69	36574	16.902	ug/l	87
57) 1,3-Dichloropropane	8.89	76	60707	17.414	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.33	63	29475	143.117	ug/l	99
59) 2-Hexanone	9.52	43	122154	106.262	ug/l	91
60) Dibromochloromethane	8.75	129	49610	18.245	ug/l	95
61) 1,2-Dibromoethane	9.02	107	36688	17.231	ug/l	99
64) Tetrachloroethene	8.19	164	45834	19.106	ug/l	96
65) Chlorobenzene	9.84	112	121182	18.680	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.96	131	50802	19.658	ug/l	95
67) Ethyl Benzene	9.93	91	230922	19.483	ug/l	98
68) m/p-Xylenes	10.16	106	168030	39.416	ug/l	92
69) o-Xylene	10.74	106	93080	20.146	ug/l	92
70) Styrene	10.81	104	129171	20.424	ug/l	100
71) Bromoform	10.80	173	24328	20.952	ug/l #	91
73) Isopropylbenzene	11.15	105	281203	21.408	ug/l	99
74) N-amyl acetate	11.39	43	69894	22.503	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.72	83	48763	20.839	ug/l	96
76) 1,2,3-Trichloropropane	11.82	75	35378	21.041	ug/l	98
77) Bromobenzene	11.52	156	56054	20.207	ug/l	95
78) n-propylbenzene	11.62	91	327054	19.077	ug/l	99
79) 2-Chlorotoluene	11.74	91	181633	19.930	ug/l	100
80) 1,3,5-Trimethylbenzene	11.85	105	225252	21.250	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.89	75	21441	29.334	ug/l	94
82) 4-Chlorotoluene	11.93	91	189684	20.625	ug/l	98
83) tert-Butylbenzene	12.15	119	225864	20.586	ug/l	97
84) 1,2,4-Trimethylbenzene	12.22	105	218308	19.994	ug/l	97
85) sec-Butylbenzene	12.33	105	307316	20.626	ug/l	98
86) p-Isopropyltoluene	12.48	119	261626	21.390	ug/l	96
87) 1,3-Dichlorobenzene	12.50	146	111152	19.050	ug/l	100
88) 1,4-Dichlorobenzene	12.59	146	103947	19.830	ug/l	96
89) n-Butylbenzene	12.86	91	262381	20.801	ug/l	96
90) Hexachloroethane	12.94	117	60706	21.055	ug/l	97
91) 1,2-Dichlorobenzene	12.96	146	103290	19.904	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.66	75	7924	19.092	ug/l	75

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF012419\
Data File : VF061494.D
Acq On : 24 Jan 2019 12:18
Operator : VA/AP
Sample : VF0124SBS01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0124SBS01

Quant Time: Jan 25 04:06:50 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration

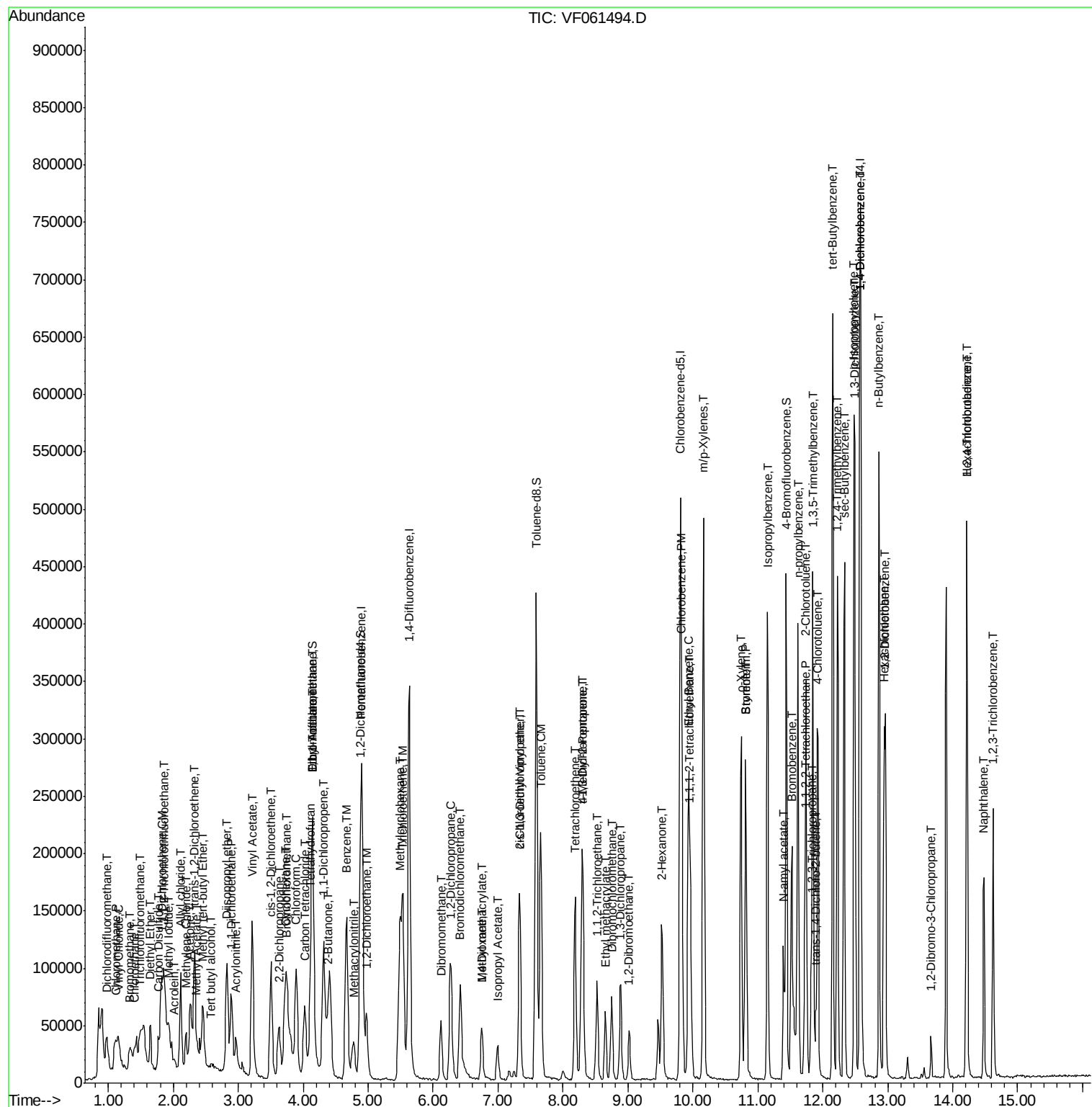
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	71826	19.758	ug/l	98
94) Hexachlorobutadiene	14.22	225	43036	19.078	ug/l	96
95) Naphthalene	14.48	128	128930	18.667	ug/l	96
96) 1,2,3-Trichlorobenzene	14.62	180	63490	18.867	ug/l	97

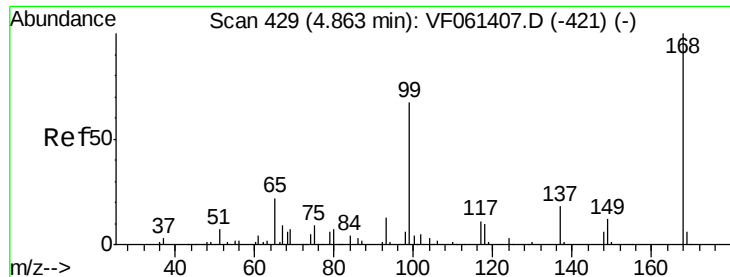
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF012419\
 Data File : VF061494.D
 Acq On : 24 Jan 2019 12:18
 Operator : VA/AP
 Sample : VF0124SBS01
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0124SBS01

Quant Time: Jan 25 04:06:50 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.90 min Scan# 433

Delta R.T. 0.04 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

ClientSampleId :

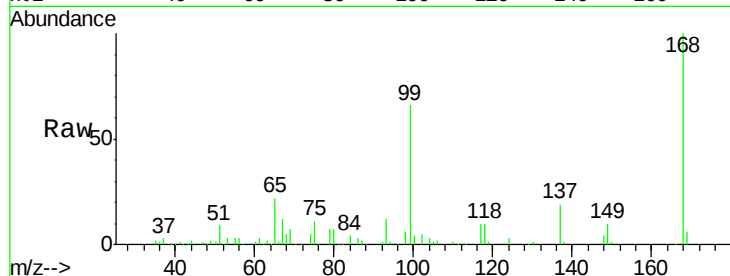
VF0124SBS01

Tot Ion:168 Resp: 212180

Ion Ratio Lower Upper

168 100

99 66.3 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.90

80000

60000

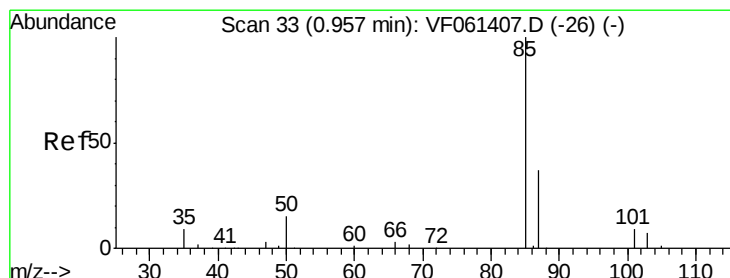
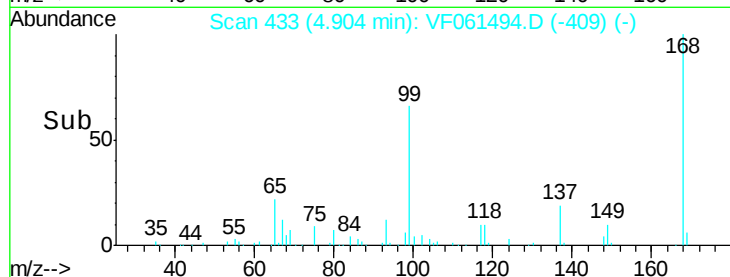
40000

20000

0

Time-->

4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 15.951 ug/l

RT: 0.98 min Scan# 35

Delta R.T. 0.02 min

Lab File: VF061494.D

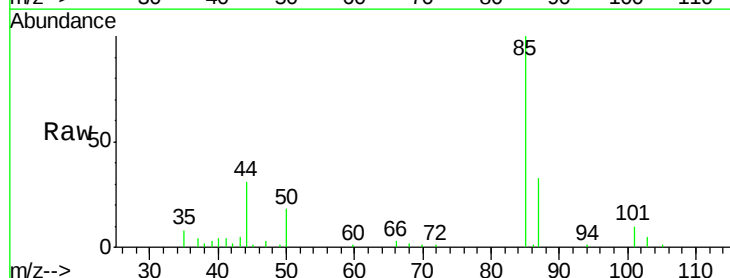
Acq: 24 Jan 2019 12:18

Tgt Ion: 85 Resp: 66502

Ion Ratio Lower Upper

85 100

87 32.5 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

20000

15000

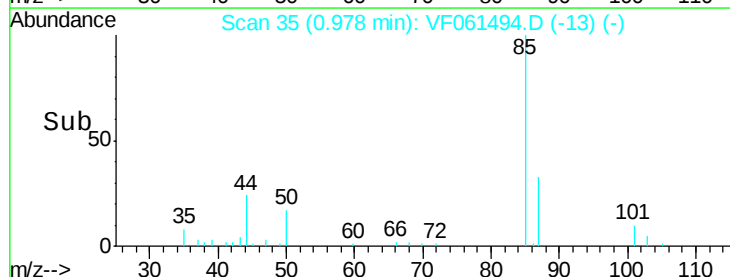
10000

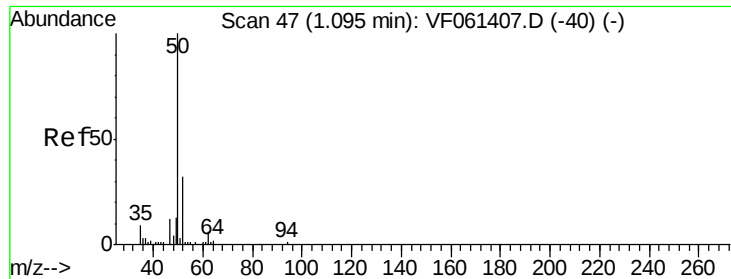
5000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 19.106 ug/l

RT: 1.11 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

ClientSampleId :

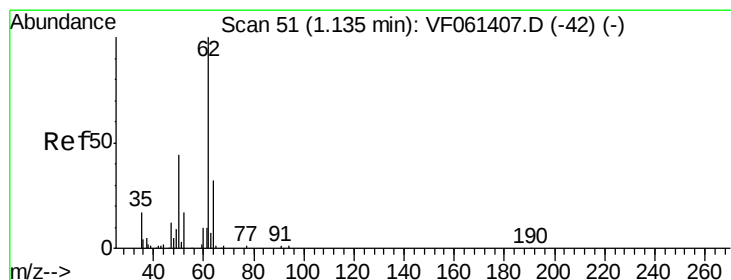
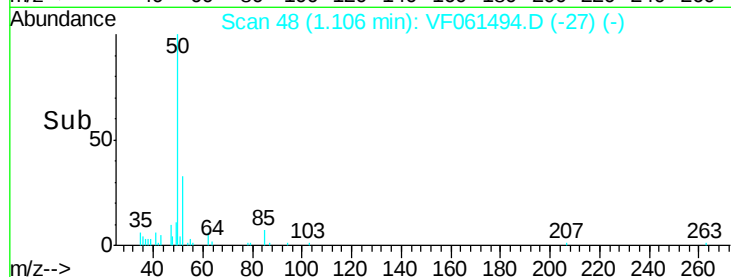
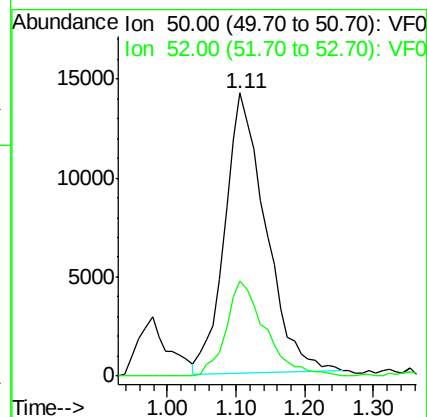
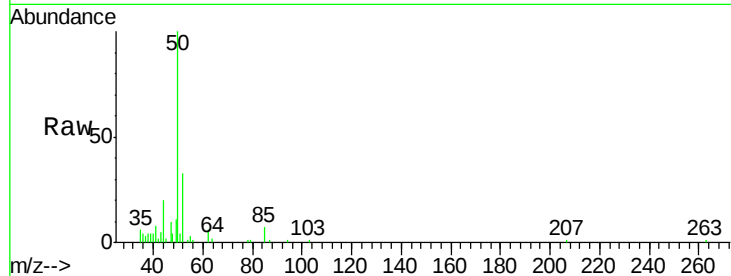
VF0124SBS01

Tot Ion: 50 Resp: 58405

Ion Ratio Lower Upper

50 100

52 33.4 24.6 36.8



#4

Vinyl Chloride

Concen: 17.400 ug/l

RT: 1.16 min Scan# 53

Delta R.T. 0.02 min

Lab File: VF061494.D

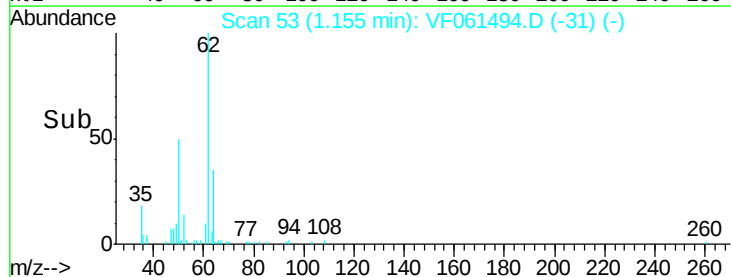
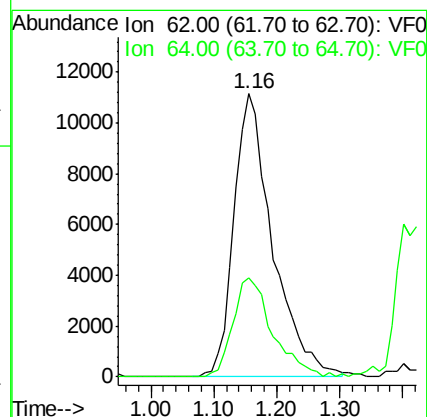
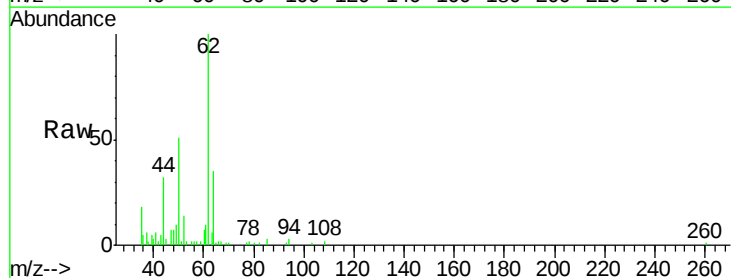
Acq: 24 Jan 2019 12:18

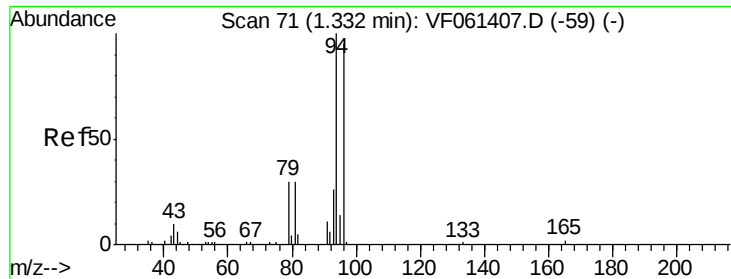
Tgt Ion: 62 Resp: 47315

Ion Ratio Lower Upper

62 100

64 35.1 25.6 38.4





#5

Bromomethane

Concen: 16.238 ug/l

RT: 1.34 min Scan# 72

Delta R.T. 0.01 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

ClientSampleId :

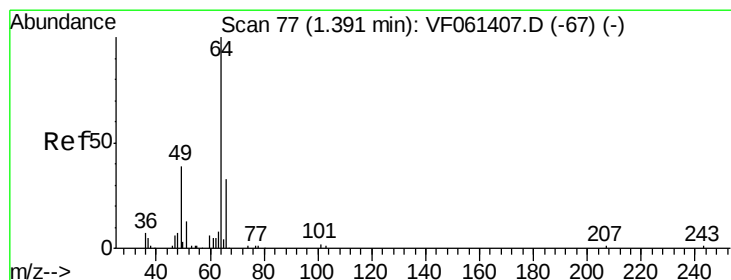
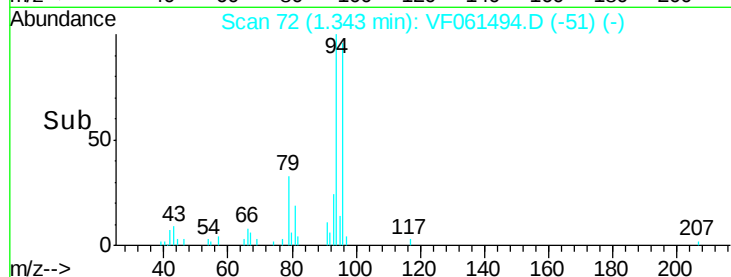
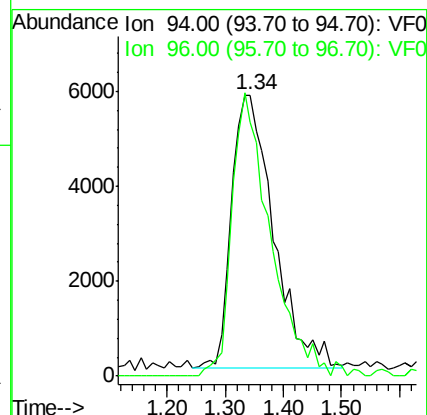
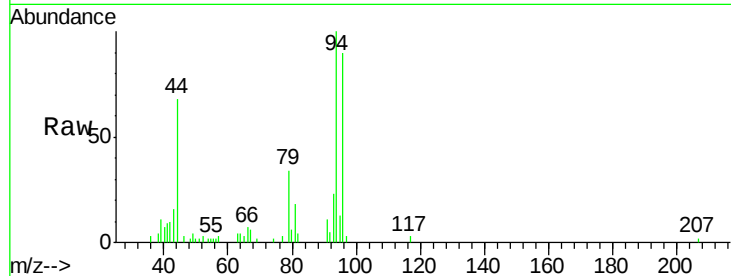
VF0124SBS01

Tot Ion: 94 Resp: 28793

Ion Ratio Lower Upper

94 100

96 90.3 76.0 114.0



#6

Chloroethane

Concen: 18.571 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.01 min

Lab File: VF061494.D

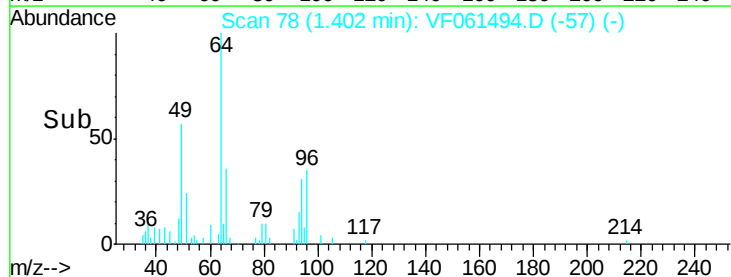
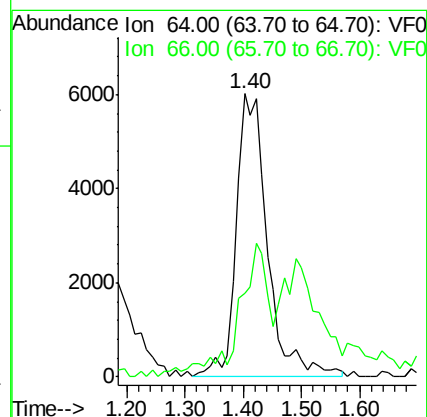
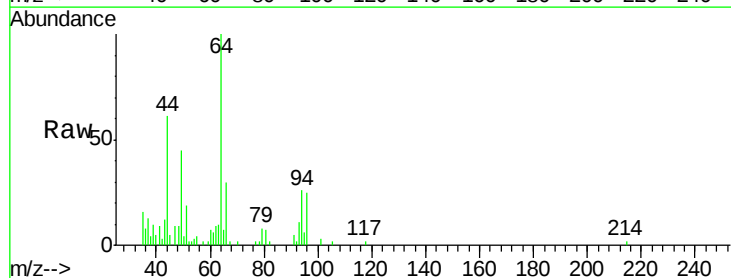
Acq: 24 Jan 2019 12:18

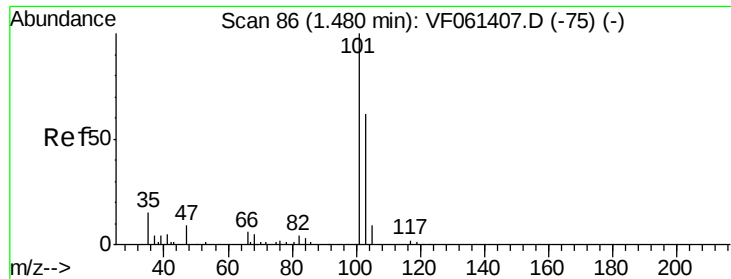
Tgt Ion: 64 Resp: 22377

Ion Ratio Lower Upper

64 100

66 29.5 26.6 40.0



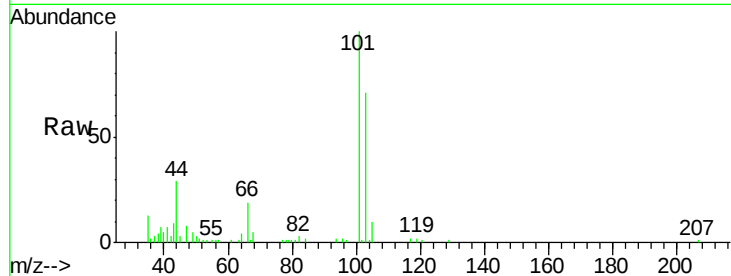


#7

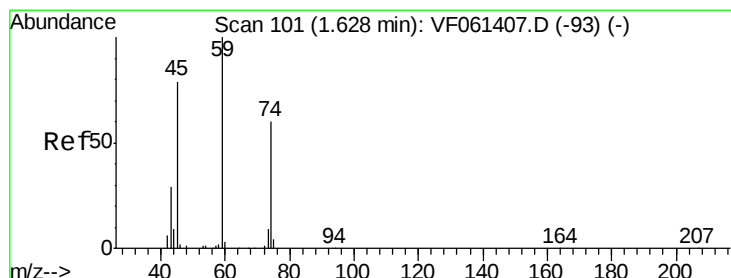
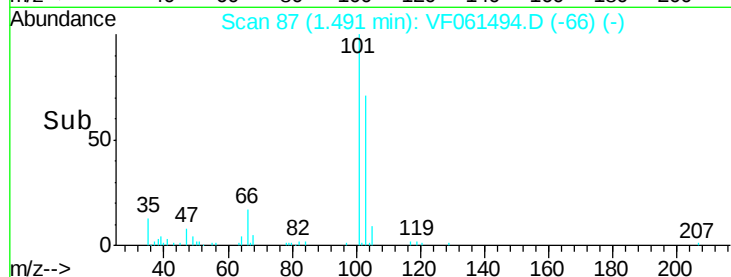
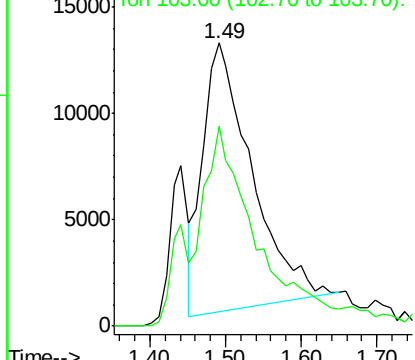
Trichlorofluoromethane
 Concen: 10.753 ug/l
 RT: 1.49 min Scan# 87
 Delta R.T. 0.01 min
 Lab File: VF061494.D
 Acq: 24 Jan 2019 12:18

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0124SBS01

Tot Ion:101 Resp: 56845
 Ion Ratio Lower Upper
 101 100
 103 70.6 49.7 74.5



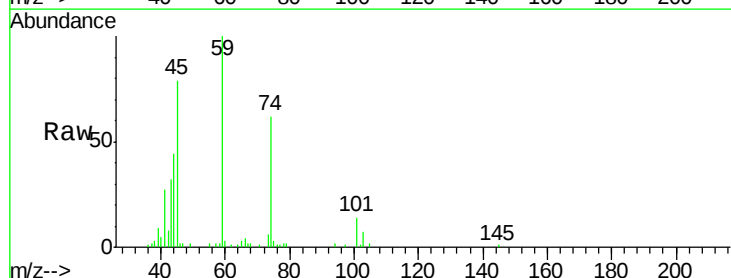
Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V



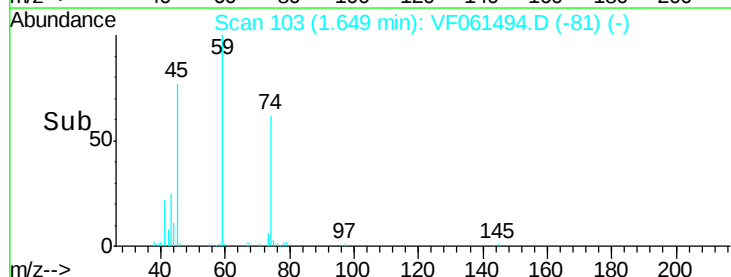
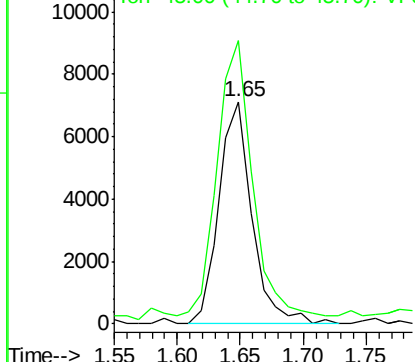
#8

Diethyl Ether
 Concen: 19.211 ug/l
 RT: 1.65 min Scan# 103
 Delta R.T. 0.02 min
 Lab File: VF061494.D
 Acq: 24 Jan 2019 12:18

Tgt Ion: 74 Resp: 13013
 Ion Ratio Lower Upper
 74 100
 45 127.2 65.8 197.5



Abundance Ion 74.00 (73.70 to 74.70): VF0
 Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.097 ug/l

RT: 1.86 min Scan# 124

Delta R.T. 0.02 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

ClientSampleId :

VF0124SBS01

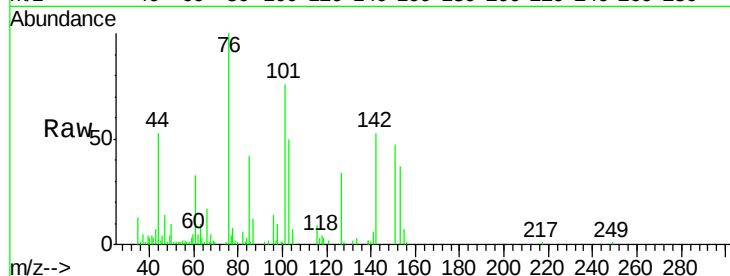
Tot Ion:101 Resp: 40888

Ion Ratio Lower Upper

101 100

85 55.2 41.9 62.9

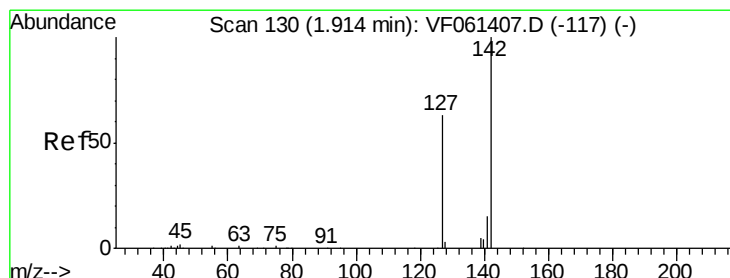
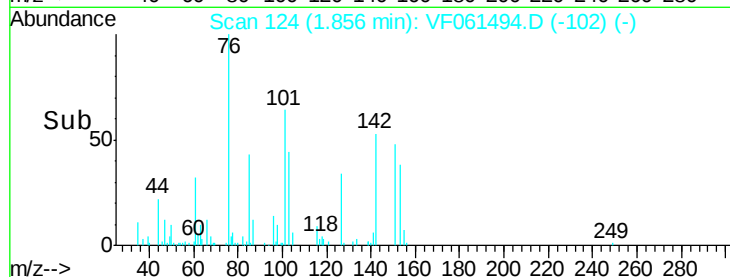
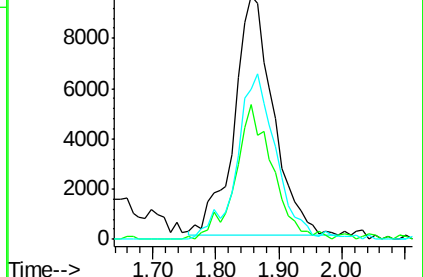
151 61.7 55.1 82.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 13.649 ug/l

RT: 1.92 min Scan# 131

Delta R.T. 0.01 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

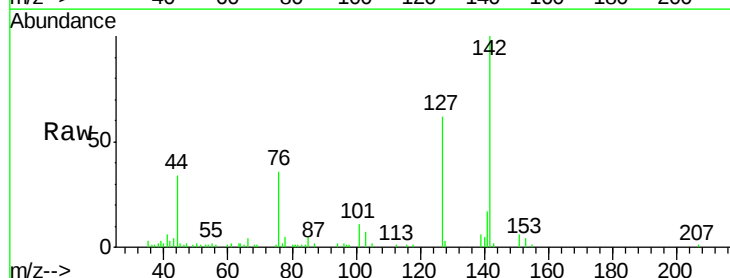
Tgt Ion:142 Resp: 53746

Ion Ratio Lower Upper

142 100

127 61.8 50.7 76.1

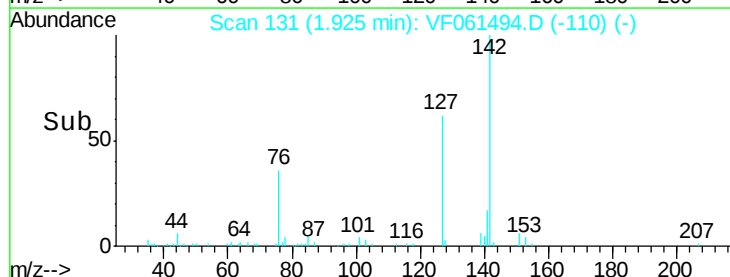
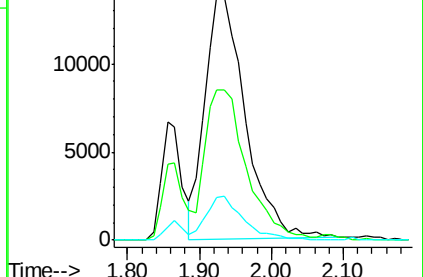
141 17.5 11.8 17.6

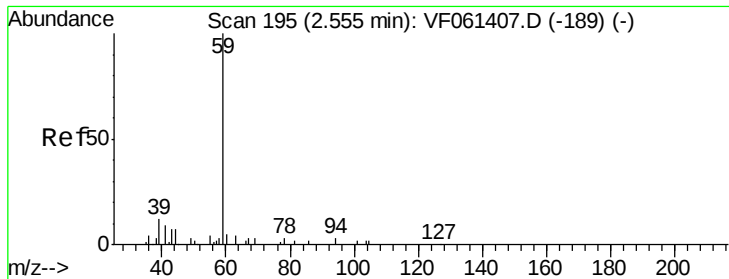


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



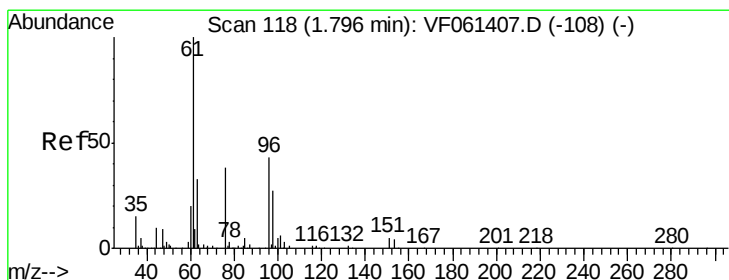
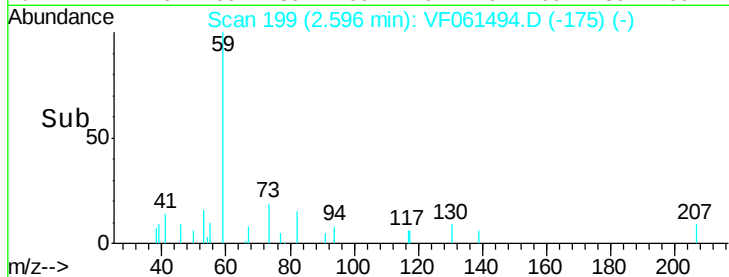
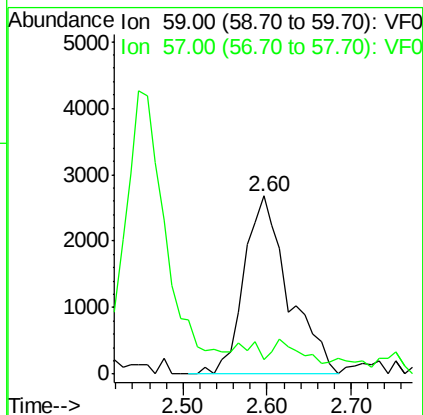
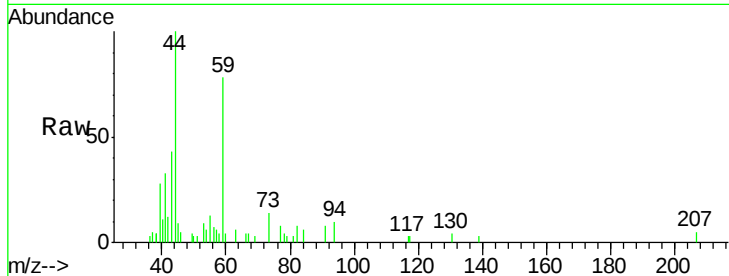


#11

Tert butyl alcohol
Concen: 89.336 ug/l
RT: 2.60 min Scan# 199
Delta R.T. 0.04 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

Instrument :
MSVOA_F
ClientSampleId :
VF0124SBS01

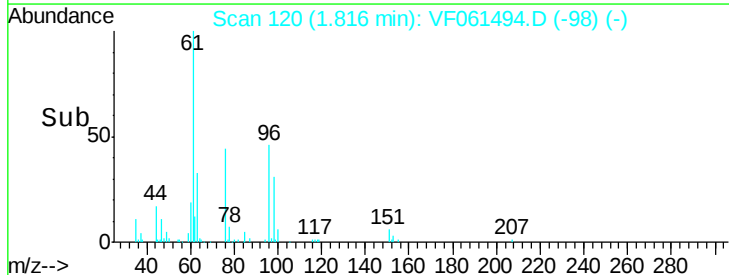
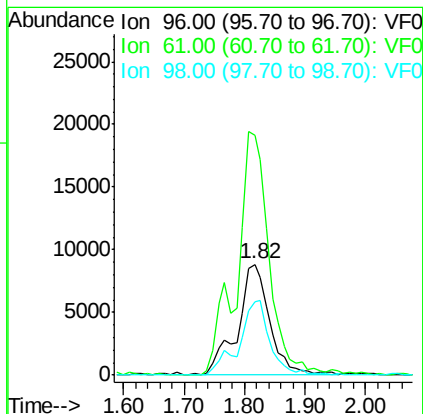
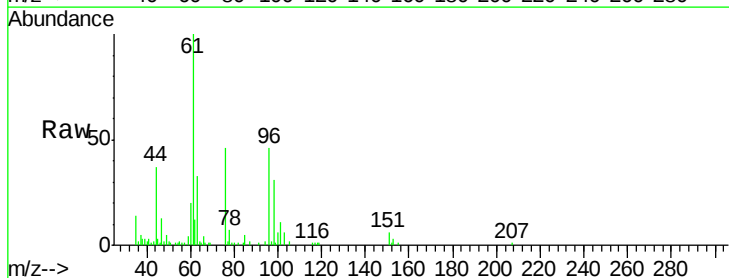
Tot Ion: 59 Resp: 9906
Ion Ratio Lower Upper
59 100
57 7.9 11.9 17.9#

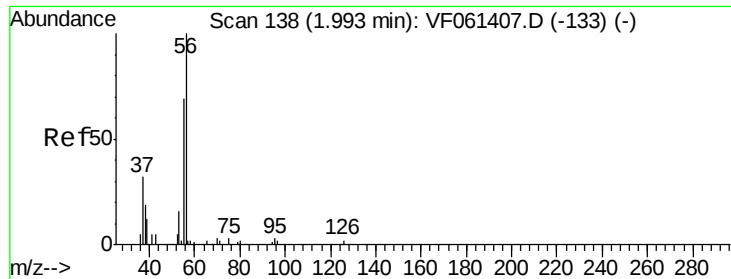


#12

1,1-Dichloroethene
Concen: 17.557 ug/l
RT: 1.82 min Scan# 120
Delta R.T. 0.02 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

Tgt Ion: 96 Resp: 33133
Ion Ratio Lower Upper
96 100
61 217.2 186.9 280.3
98 66.4 53.0 79.4

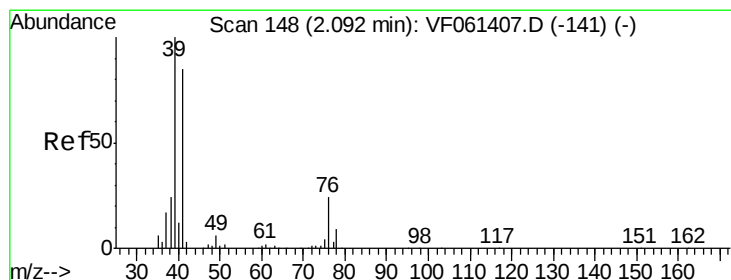
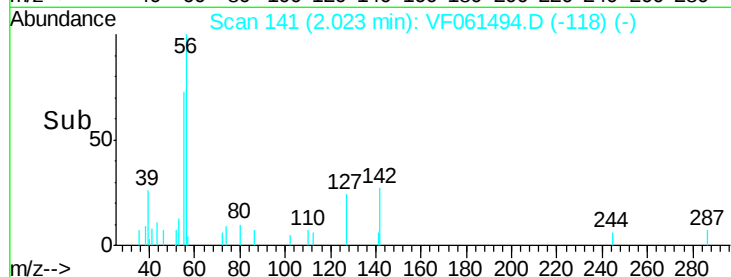
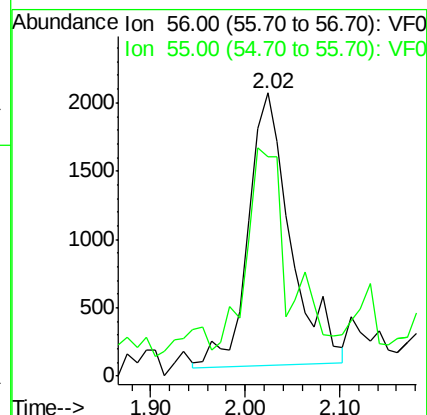
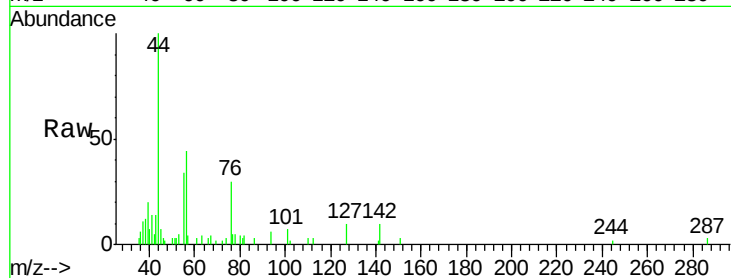




#13
Acrolein
Concen: 72.558 ug/l
RT: 2.02 min Scan# 141
Delta R.T. 0.03 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

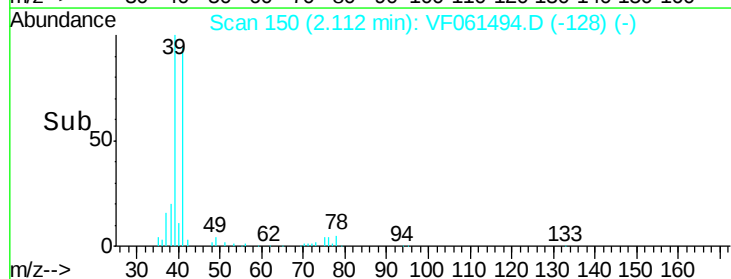
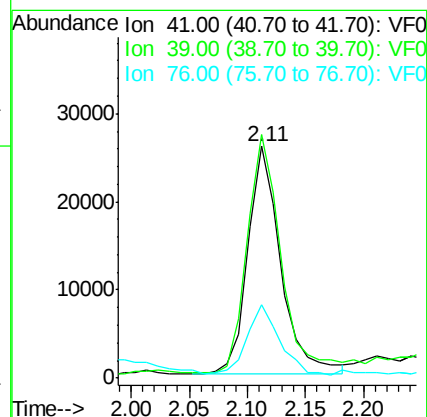
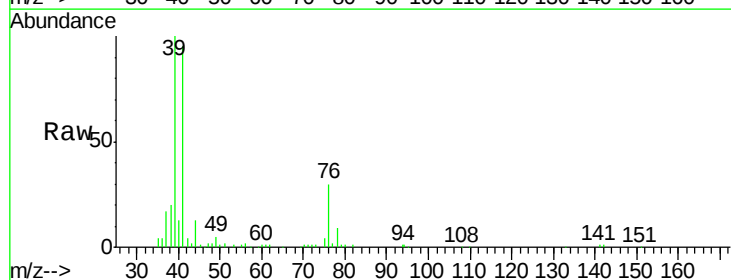
Instrument :
MSVOA_F
ClientSampleId :
VF0124SBS01

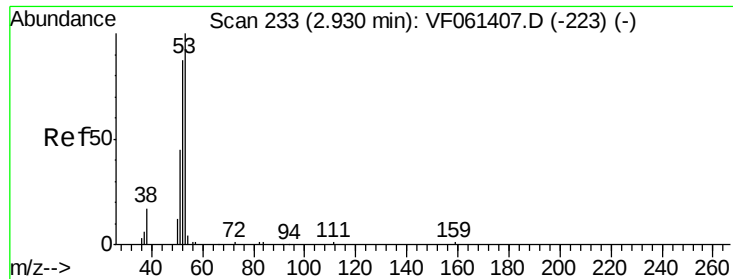
Tot Ion: 56 Resp: 6199
Ion Ratio Lower Upper
56 100
55 77.5 57.5 86.3



#14
Allyl chloride
Concen: 21.520 ug/l
RT: 2.11 min Scan# 150
Delta R.T. 0.02 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

Tgt Ion: 41 Resp: 50730
Ion Ratio Lower Upper
41 100
39 105.1 94.6 141.8
76 31.7 25.9 38.9





#15

Acrylonitrile

Concen: 83.741 ug/l

RT: 2.97 min Scan# 237

Delta R.T. 0.04 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

ClientSampleId :

VF0124SBS01

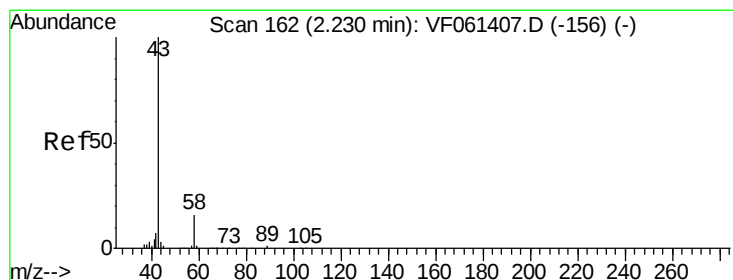
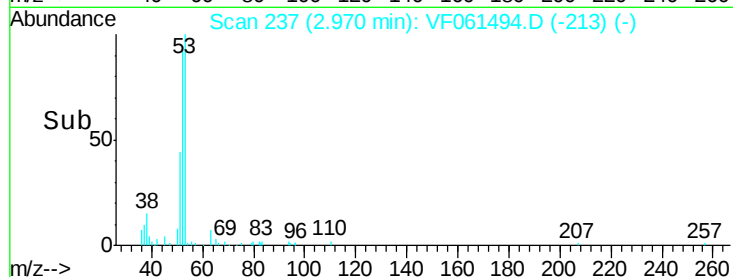
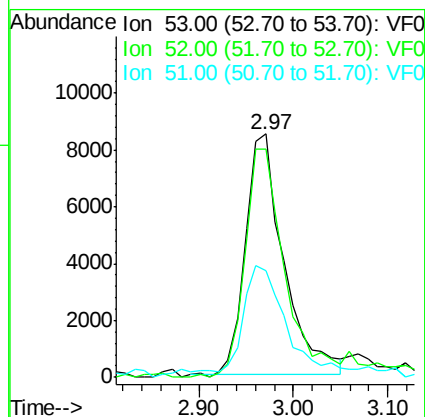
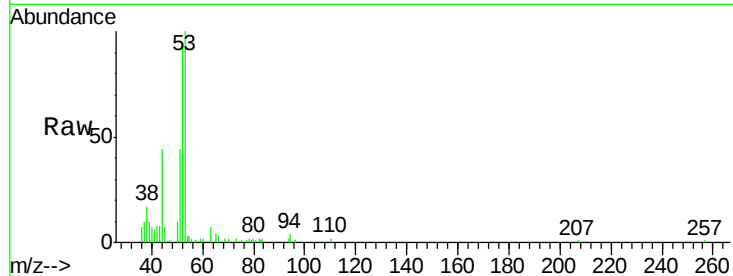
Tot Ion: 53 Resp: 23785

Ion Ratio Lower Upper

53 100

52 93.8 69.6 104.4

51 43.9 36.8 55.2



#16

Acetone

Concen: 121.763 ug/l

RT: 2.26 min Scan# 165

Delta R.T. 0.03 min

Lab File: VF061494.D

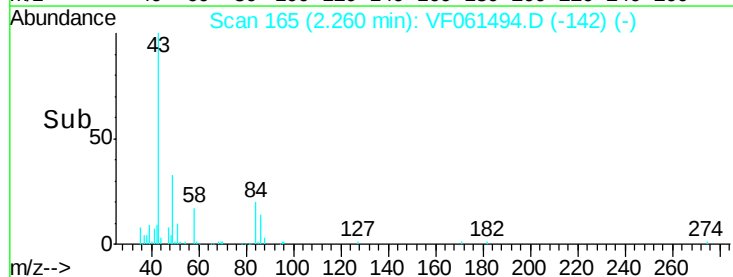
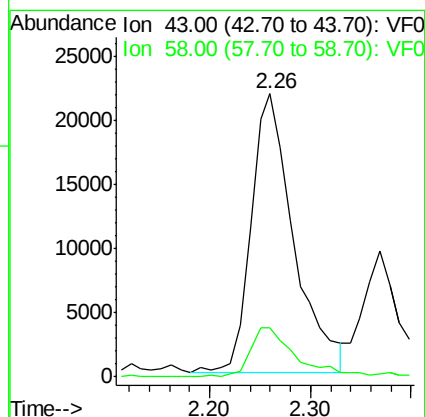
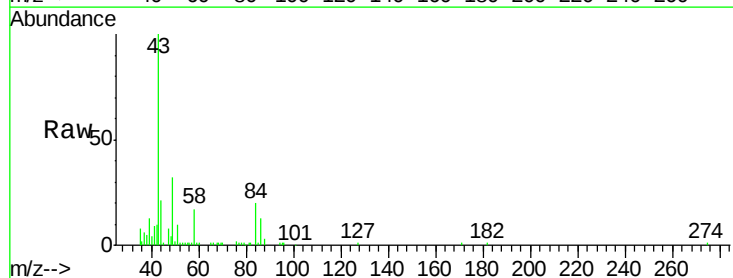
Acq: 24 Jan 2019 12:18

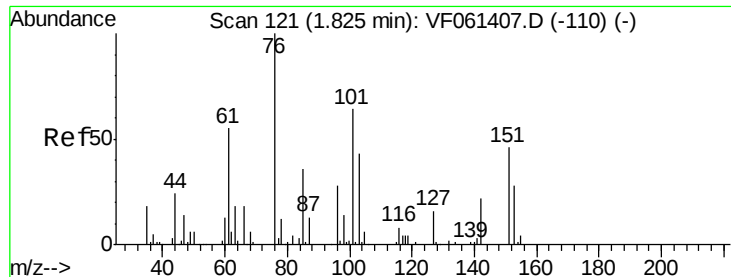
Tgt Ion: 43 Resp: 63990

Ion Ratio Lower Upper

43 100

58 17.3 13.3 19.9

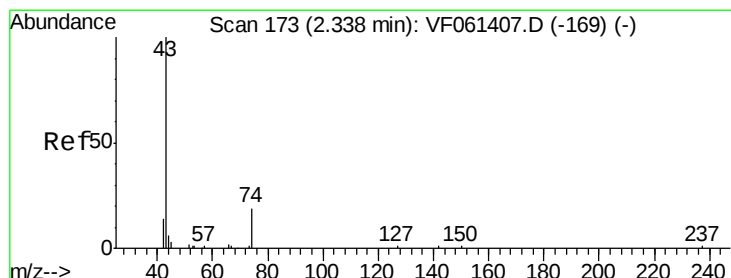
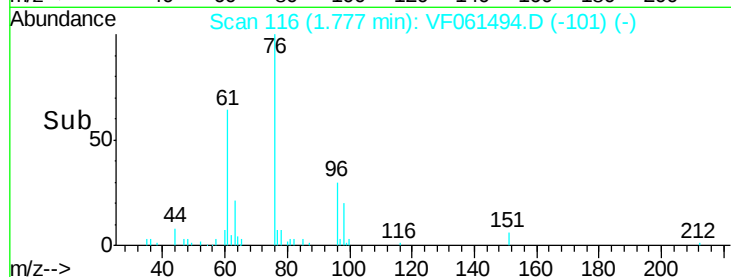
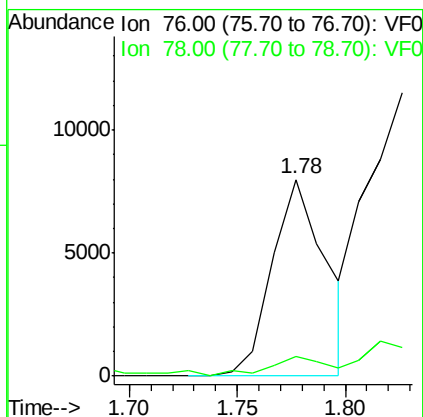
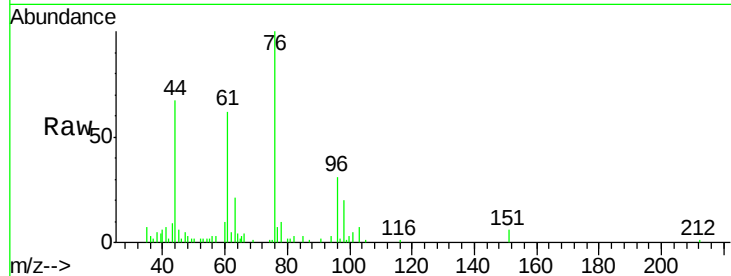




#17
Carbon Disulfide
Concen: 2.360 ug/l
RT: 1.78 min Scan# 116
Delta R.T. -0.05 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

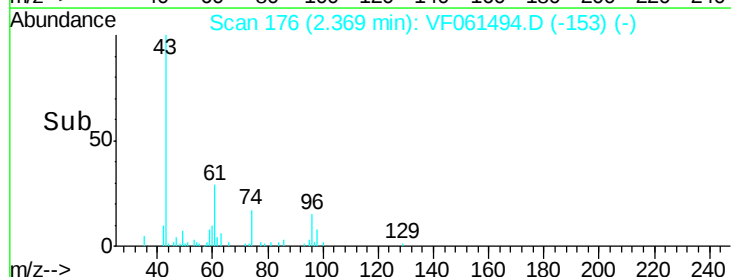
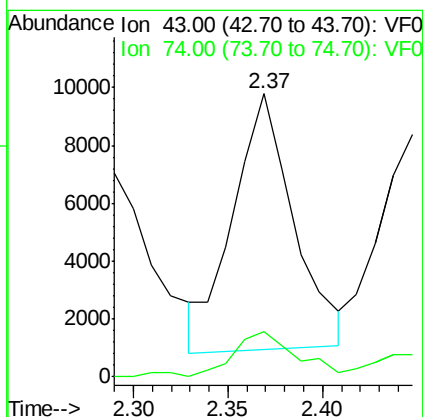
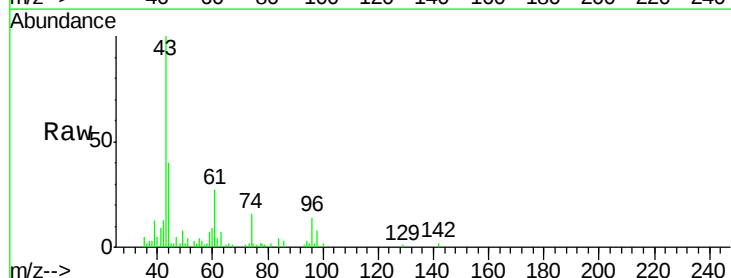
Instrument :
MSVOA_F
ClientSampleId :
VF0124SBS01

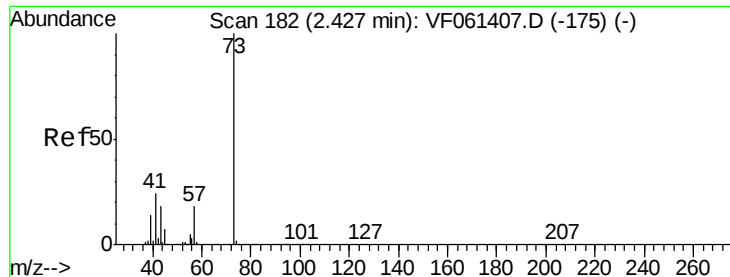
Tot Ion: 76 Resp: 13887
Ion Ratio Lower Upper
76 100
78 10.1 9.6 14.4



#18
Methyl Acetate
Concen: 18.948 ug/l
RT: 2.37 min Scan# 176
Delta R.T. 0.03 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

Tgt Ion: 43 Resp: 19748
Ion Ratio Lower Upper
43 100
74 16.0 13.4 20.0



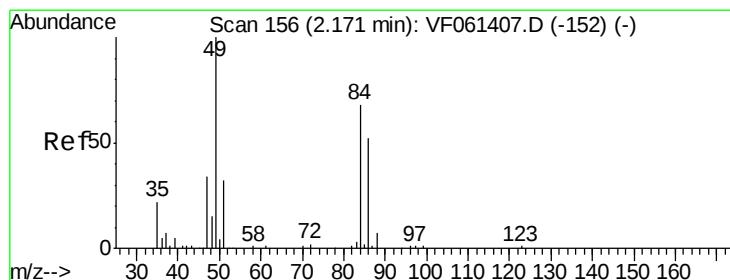
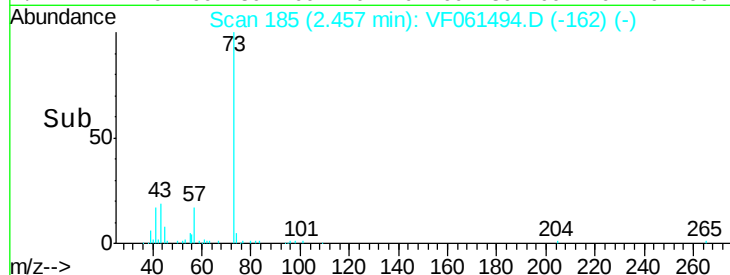
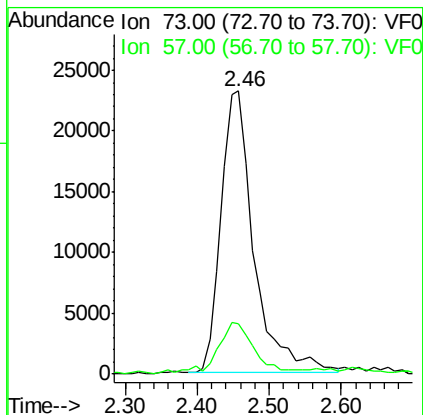
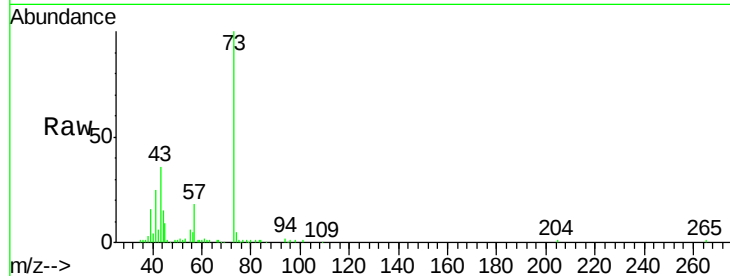


#19

Methyl tert-butyl Ether
 Concen: 17.371 ug/l
 RT: 2.46 min Scan# 185
 Delta R.T. 0.03 min
 Lab File: VF061494.D
 Acq: 24 Jan 2019 12:18

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0124SBS01

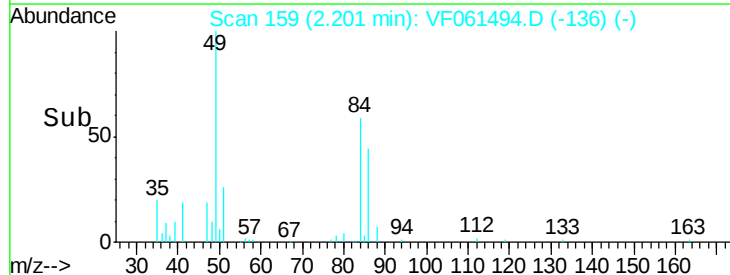
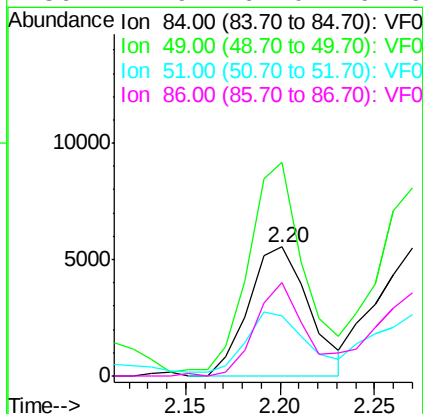
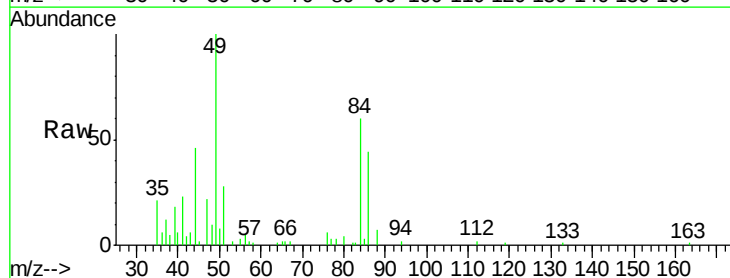
Tot Ion: 73 Resp: 73487
 Ion Ratio Lower Upper
 73 100
 57 18.0 14.8 22.2

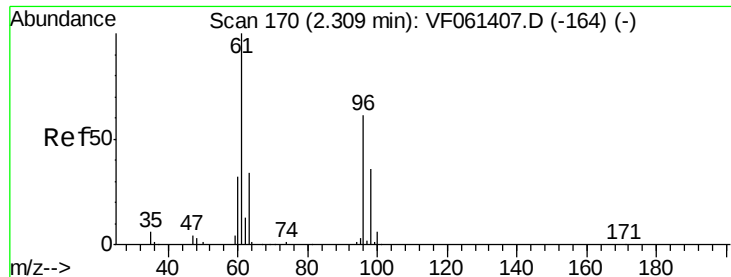


#20

Methylene Chloride
 Concen: 5.360 ug/l
 RT: 2.20 min Scan# 159
 Delta R.T. 0.03 min
 Lab File: VF061494.D
 Acq: 24 Jan 2019 12:18

Tgt Ion: 84 Resp: 12361
 Ion Ratio Lower Upper
 84 100
 49 165.8 120.0 180.0
 51 46.5 38.6 58.0
 86 72.9 61.0 91.6





#21

trans-1,2-Dichloroethene

Concen: 16.879 ug/l

RT: 2.33 min Scan# 172

Delta R.T. 0.02 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

ClientSampleId :

VF0124SBS01

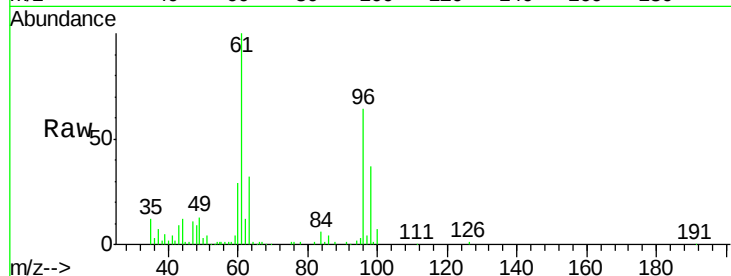
Tot Ion: 96 Resp: 35046

Ion Ratio Lower Upper

96 100

61 155.1 131.8 197.8

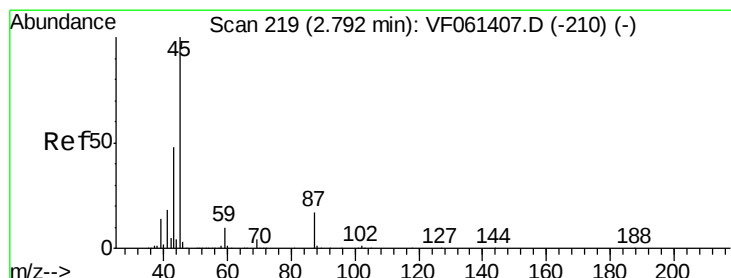
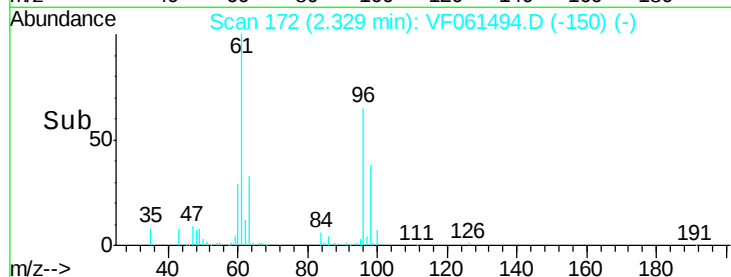
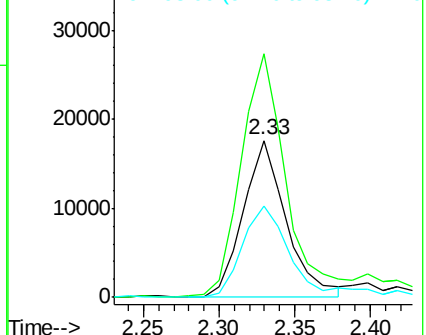
98 58.0 47.4 71.0



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 19.386 ug/l

RT: 2.83 min Scan# 223

Delta R.T. 0.04 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Tgt Ion: 45 Resp: 130192

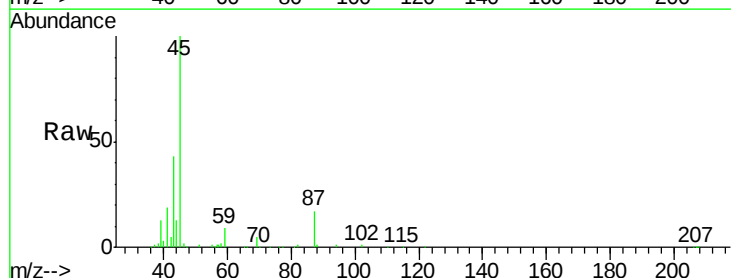
Ion Ratio Lower Upper

45 100

43 43.5 39.0 58.6

87 17.0 13.9 20.9

59 9.2 7.8 11.6

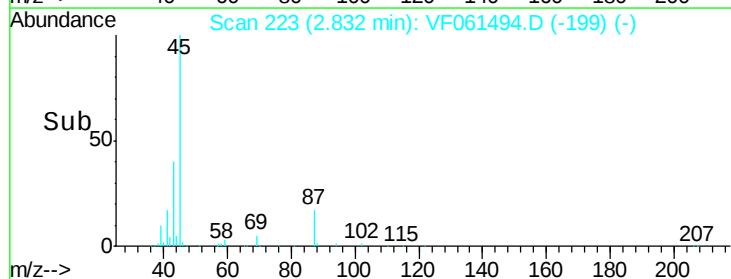
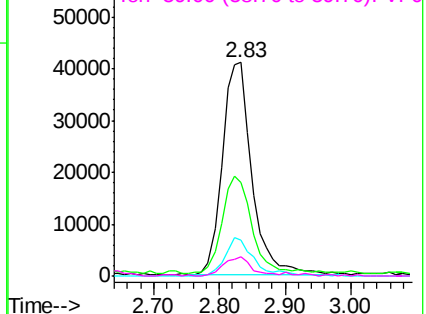


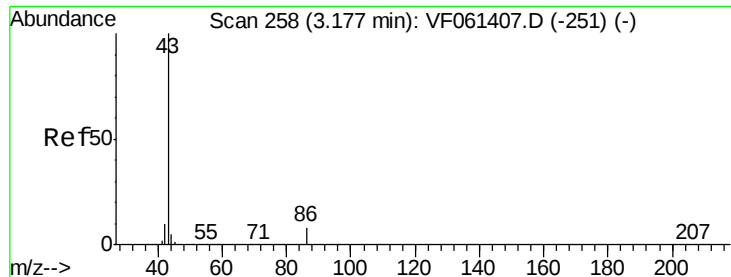
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 103.207 ug/l

RT: 3.22 min Scan# 262

Delta R.T. 0.04 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

ClientSampleId :

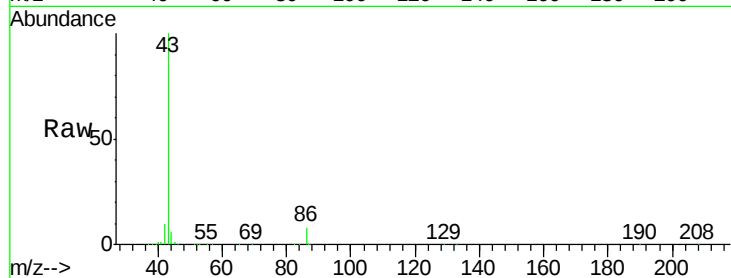
VF0124SBS01

Tot Ion: 43 Resp: 299248

Ion Ratio Lower Upper

43 100

86 8.4 6.2 9.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.22

120000

100000

80000

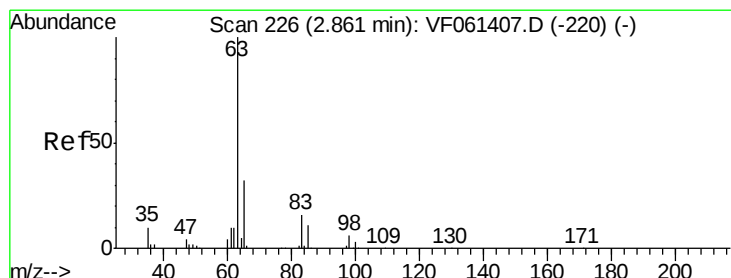
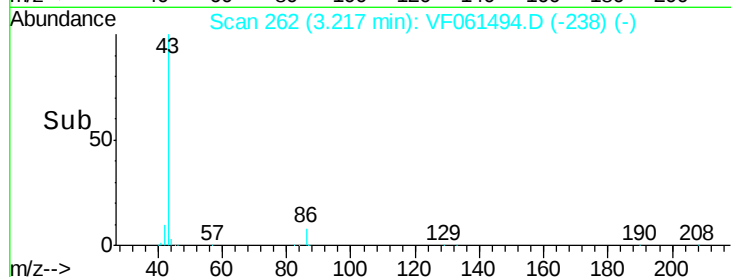
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 17.432 ug/l

RT: 2.89 min Scan# 229

Delta R.T. 0.03 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

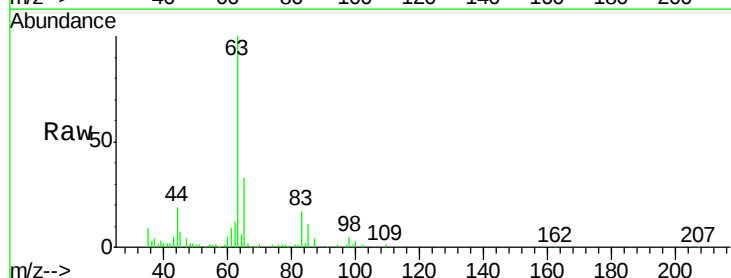
Tgt Ion: 63 Resp: 73472

Ion Ratio Lower Upper

63 100

98 4.5 2.9 8.8

100 3.5 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

2.89

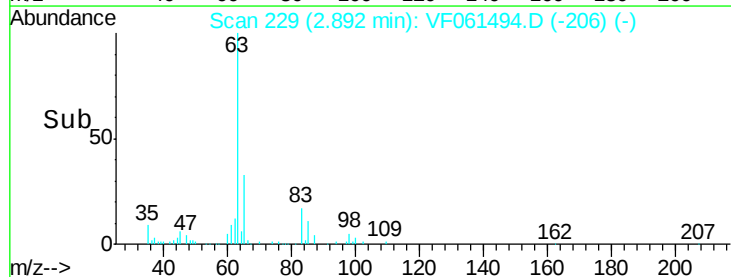
30000

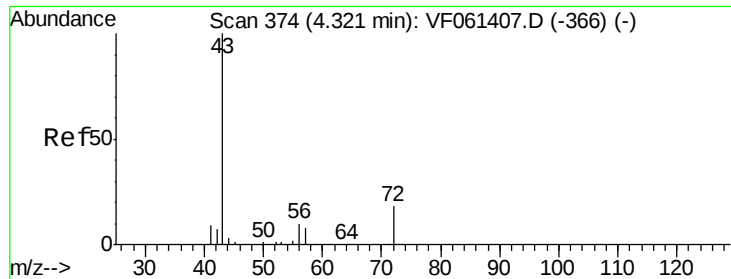
20000

10000

0

Time-->





#25

2-Butanone

Concen: 113.037 ug/l

RT: 4.37 min Scan# 379

Delta R.T. 0.05 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

ClientSampleId :

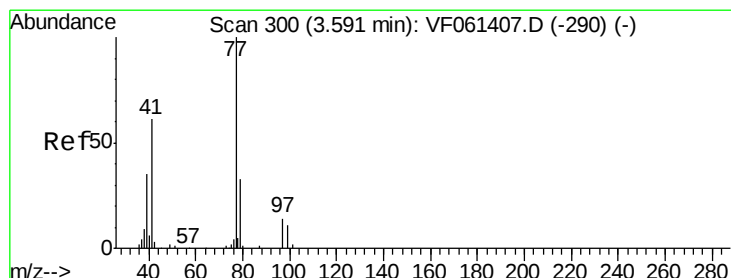
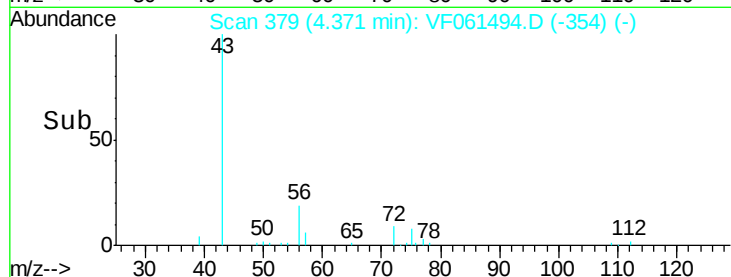
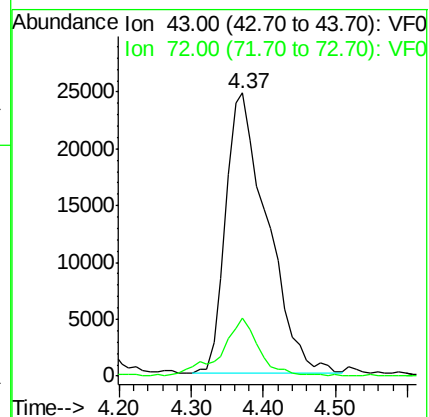
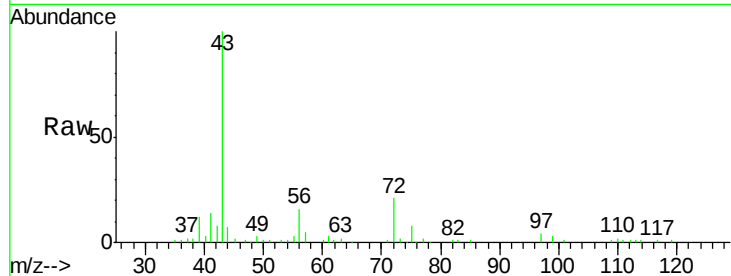
VF0124SBS01

Tot Ion: 43 Resp: 98787

Ion Ratio Lower Upper

43 100

72 20.6 15.8 23.6



#26

2,2-Dichloropropane

Concen: 17.547 ug/l

RT: 3.63 min Scan# 304

Delta R.T. 0.04 min

Lab File: VF061494.D

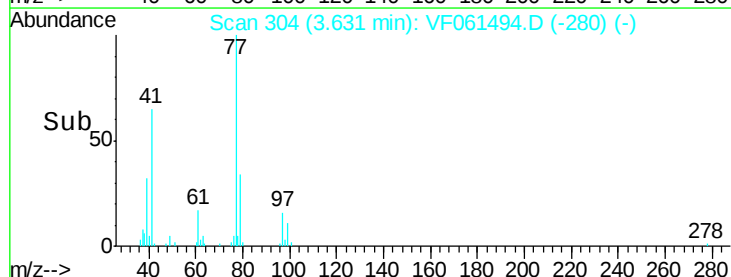
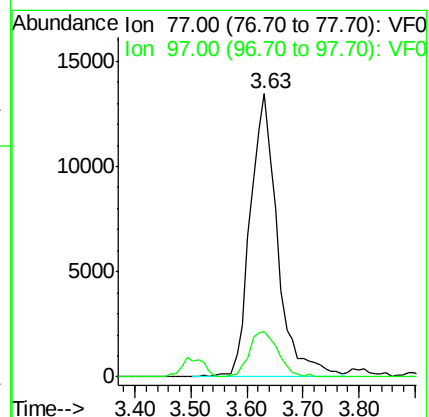
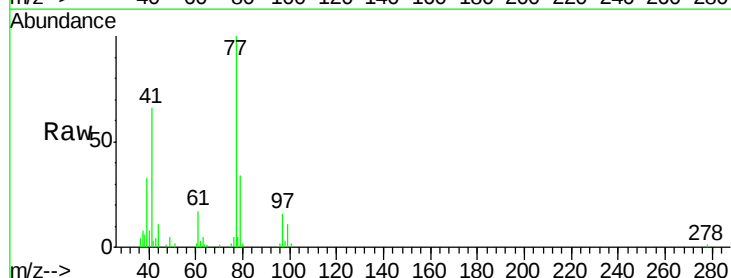
Acq: 24 Jan 2019 12:18

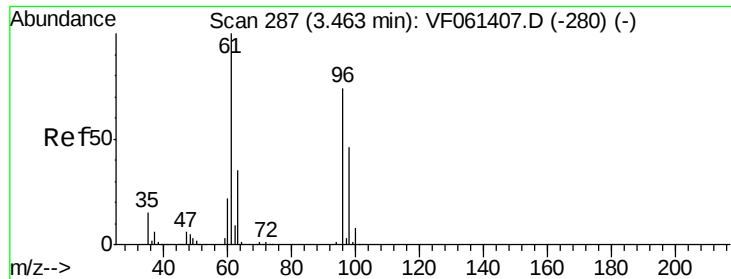
Tgt Ion: 77 Resp: 45439

Ion Ratio Lower Upper

77 100

97 16.0 8.5 25.5



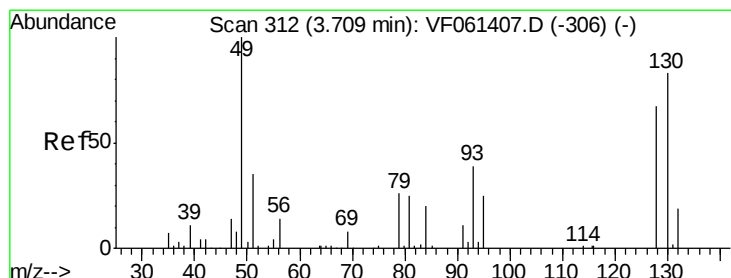
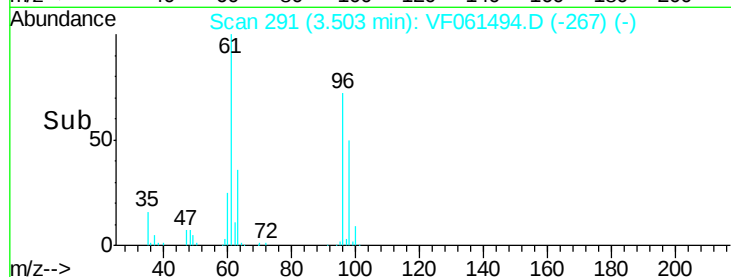
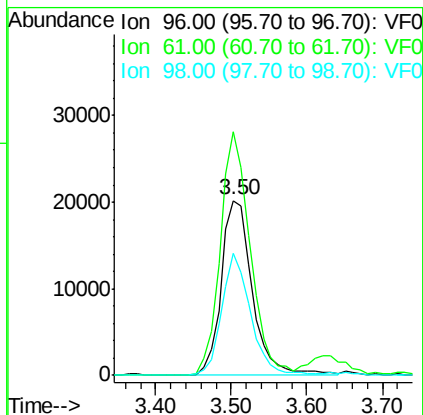
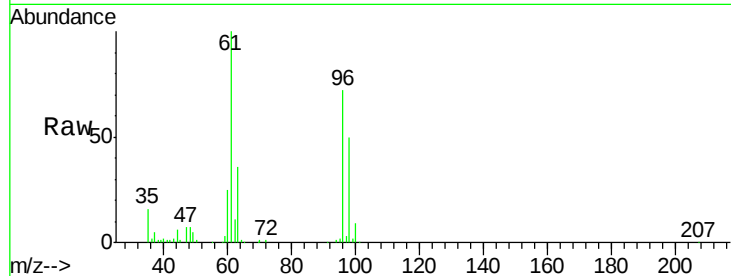


#27

cis-1,2-Dichloroethene
 Concen: 18.873 ug/l
 RT: 3.50 min Scan# 291
 Delta R.T. 0.04 min
 Lab File: VF061494.D
 Acq: 24 Jan 2019 12:18

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0124SBS01

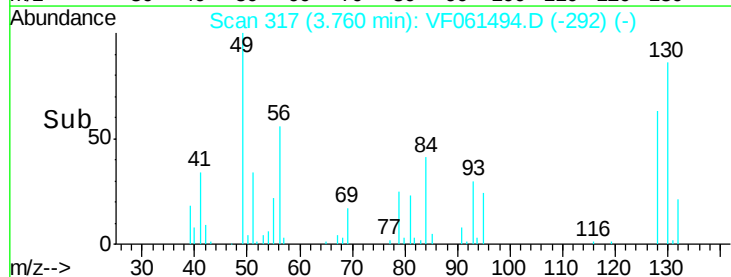
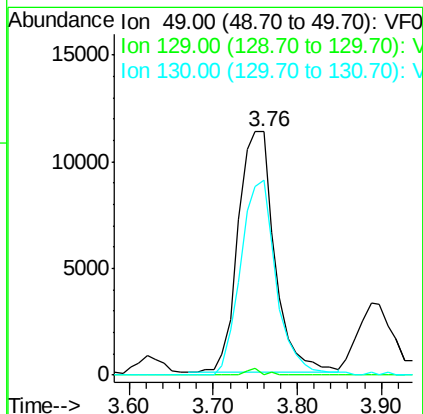
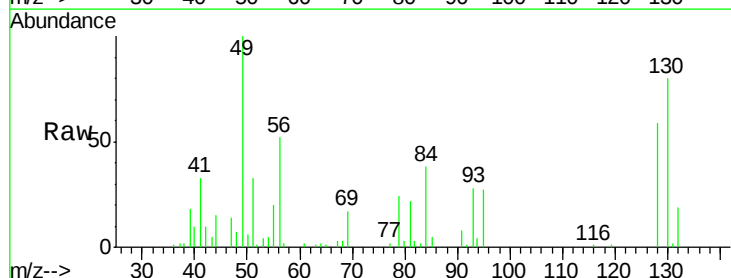
Tot Ion: 96 Resp: 57843
 Ion Ratio Lower Upper
 96 100
 61 139.5 0.0 270.2
 98 69.7 0.0 124.0

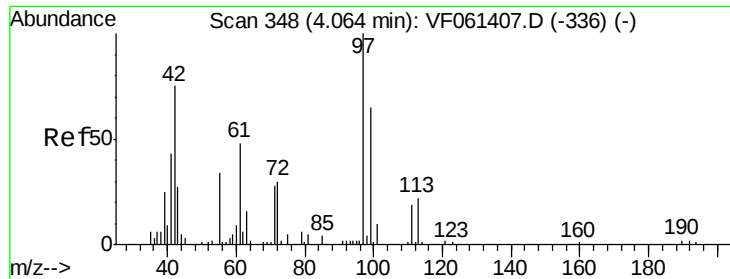


#28

Bromochloromethane
 Concen: 18.183 ug/l
 RT: 3.76 min Scan# 317
 Delta R.T. 0.05 min
 Lab File: VF061494.D
 Acq: 24 Jan 2019 12:18

Tgt Ion: 49 Resp: 34449
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 80.0 65.4 98.2





#29

Tetrahydrofuran

Concen: 103.635 ug/l

RT: 4.10 min Scan# 352

Delta R.T. 0.04 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

ClientSampleId :

VF0124SBS01

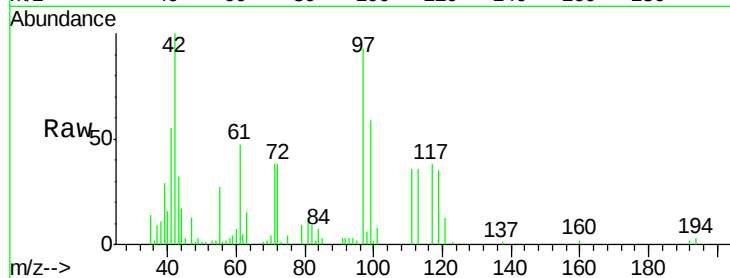
Tot Ion: 42 Resp: 38999

Ion Ratio Lower Upper

42 100

72 36.1 28.9 43.3

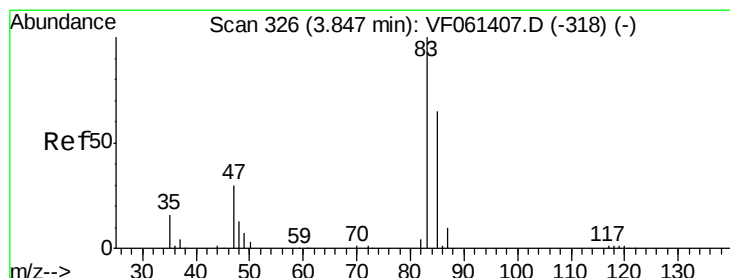
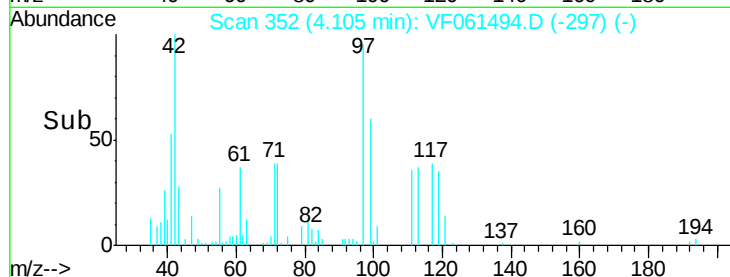
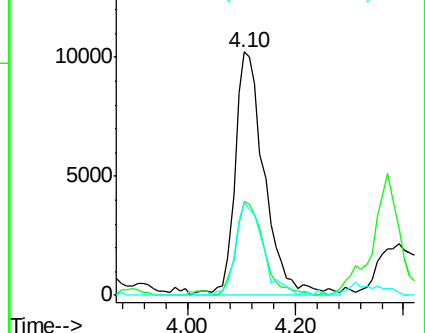
71 35.2 29.6 44.4



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 18.949 ug/l

RT: 3.89 min Scan# 330

Delta R.T. 0.04 min

Lab File: VF061494.D

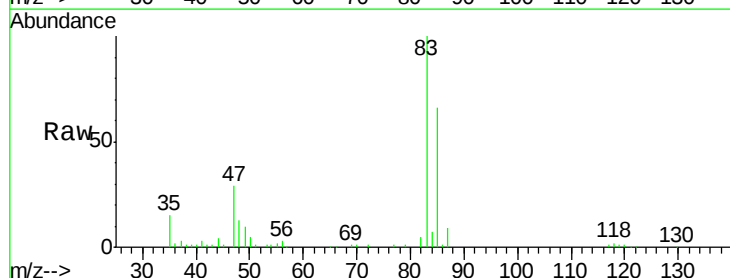
Acq: 24 Jan 2019 12:18

Tgt Ion: 83 Resp: 107789

Ion Ratio Lower Upper

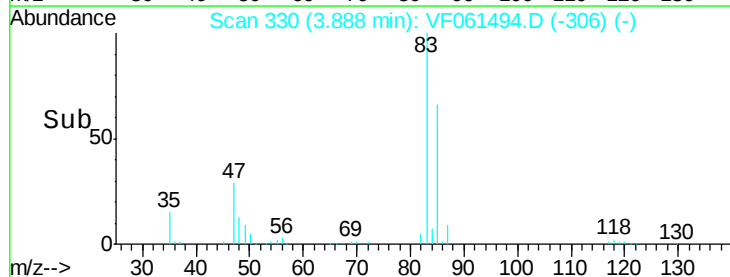
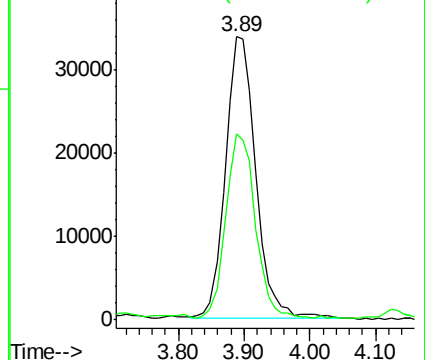
83 100

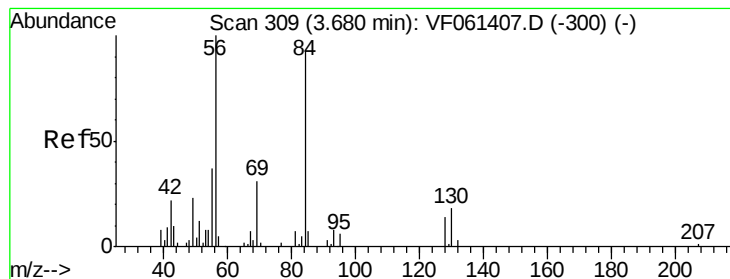
85 65.6 52.7 79.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cvclohexane

Concen: 10.821 ug/l

RT: 3.72 min Scan# 313

Delta R.T. 0.04 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

ClientSampleId :

VF0124SBS01

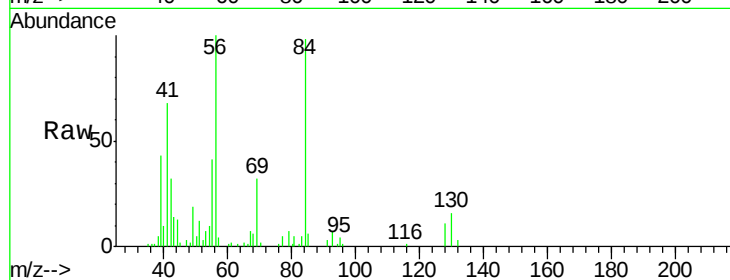
Tot Ion: 56 Resp: 45560

Ion Ratio Lower Upper

56 100

69 32.3 24.6 36.8

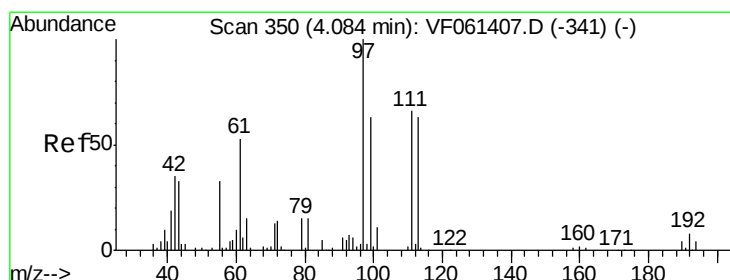
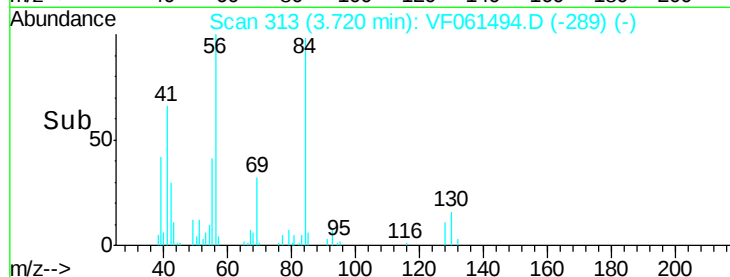
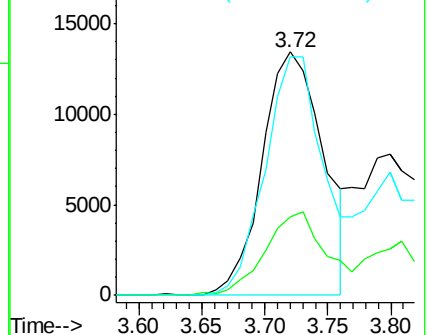
84 97.9 74.2 111.2



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 15.612 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.05 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

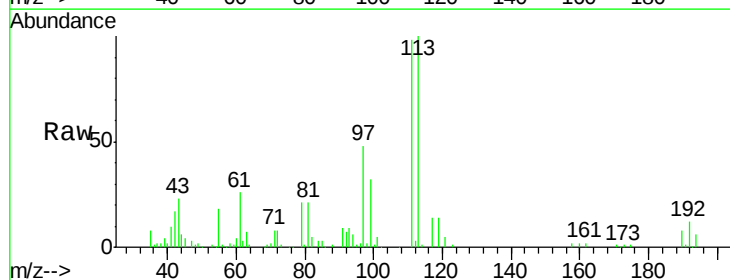
Tgt Ion: 97 Resp: 65115

Ion Ratio Lower Upper

97 100

99 65.8 50.1 75.1

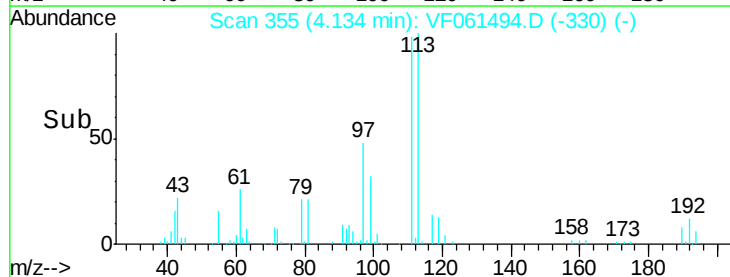
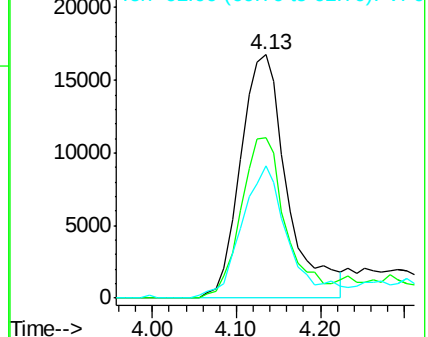
61 54.5 43.1 64.7

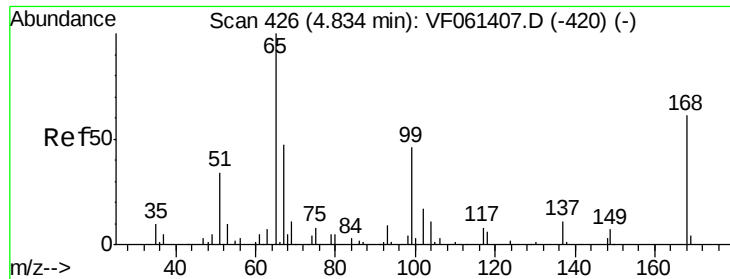


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 40.849 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.04 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

ClientSampleId :

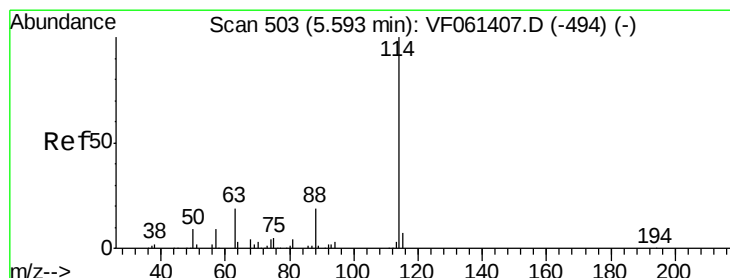
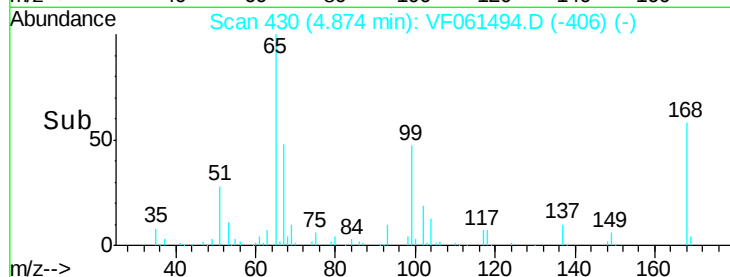
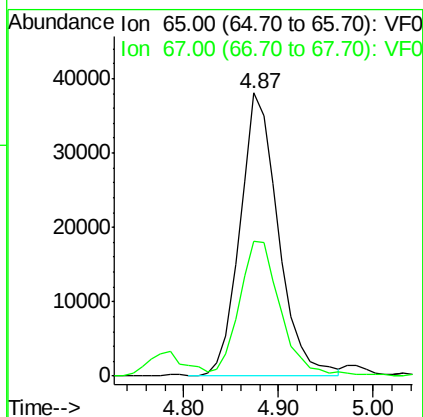
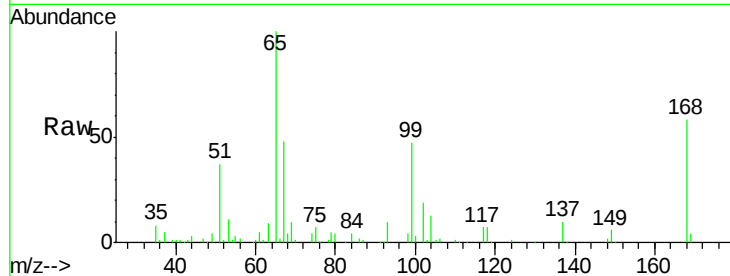
VF0124SBS01

Tot Ion: 65 Resp: 107009

Ion Ratio Lower Upper

65 100

67 47.5 0.0 99.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 507

Delta R.T. 0.04 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

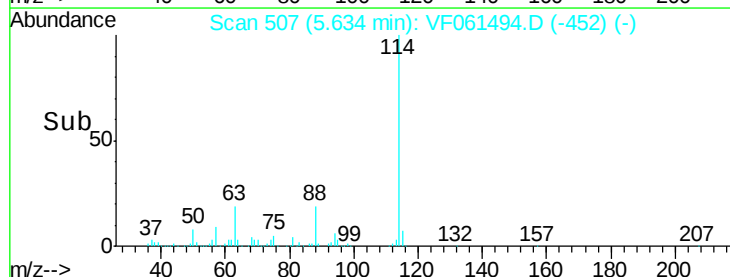
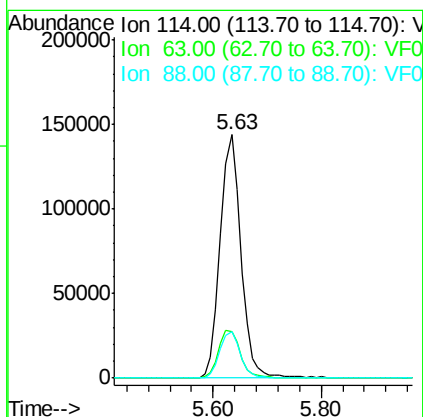
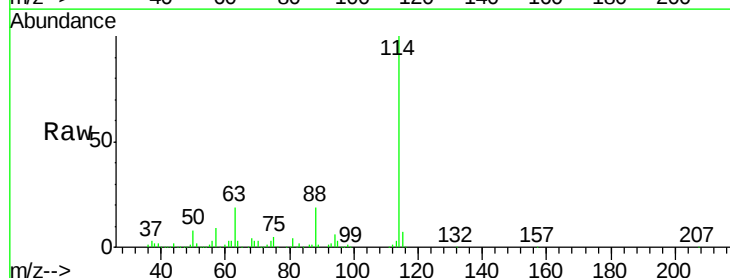
Tgt Ion: 114 Resp: 385501

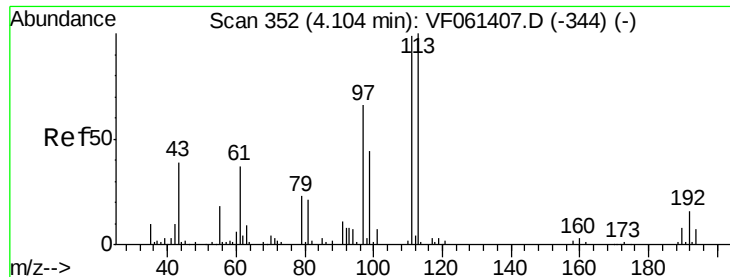
Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.0

88 18.8 0.0 37.4

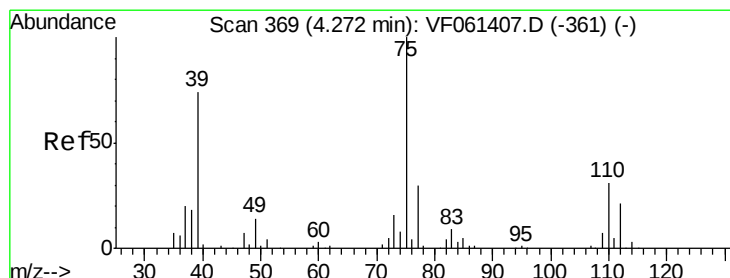
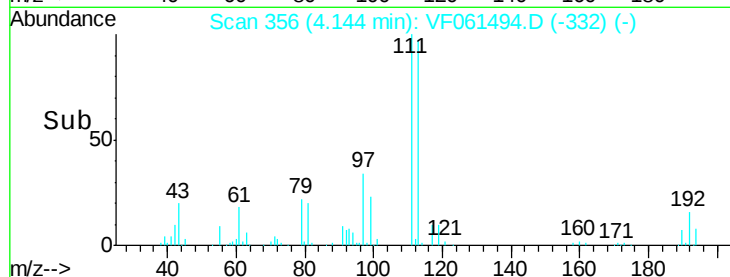
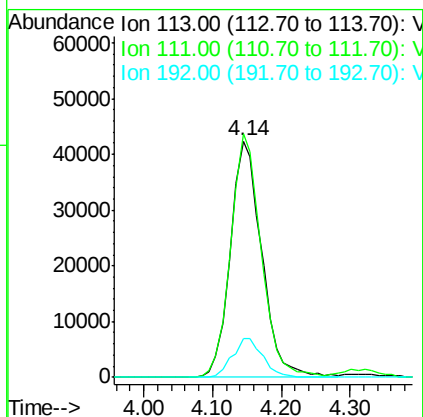
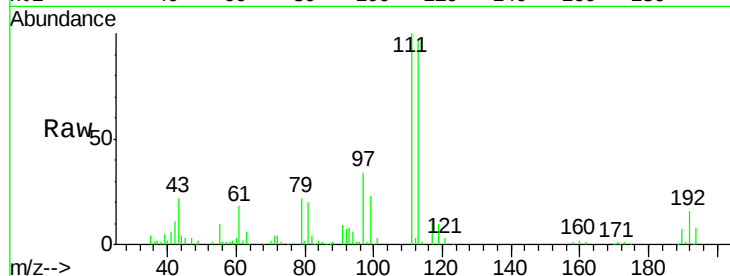




#35
 Dibromofluoromethane
 Concen: 44.060 ug/l
 RT: 4.14 min Scan# 356
 Delta R.T. 0.04 min
 Lab File: VF061494.D
 Acq: 24 Jan 2019 12:18

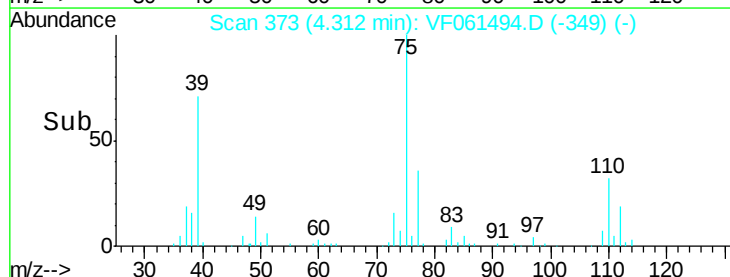
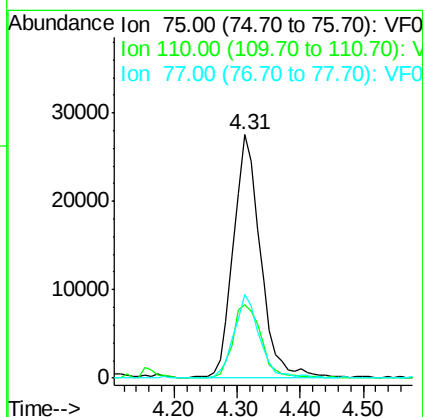
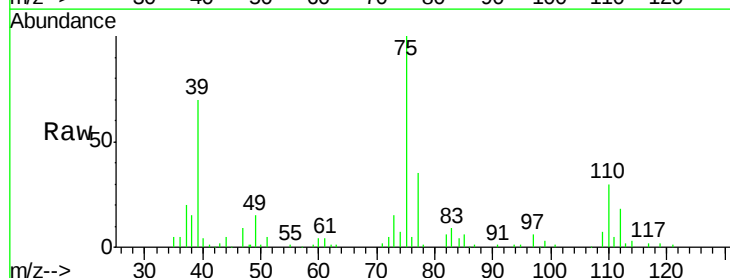
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0124SBS01

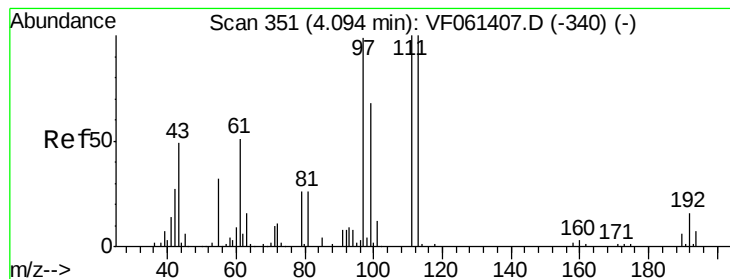
Tot Ion:113 Resp: 134028
 Ion Ratio Lower Upper
 113 100
 111 103.0 79.4 119.0
 192 16.3 12.4 18.6



#36
 1,1-Dichloropropene
 Concen: 18.433 ug/l
 RT: 4.31 min Scan# 373
 Delta R.T. 0.04 min
 Lab File: VF061494.D
 Acq: 24 Jan 2019 12:18

Tgt Ion: 75 Resp: 82388
 Ion Ratio Lower Upper
 75 100
 110 30.1 15.8 47.3
 77 34.5 24.0 36.0





#37

Ethyl Acetate

Concen: 19.063 ug/l

RT: 4.14 min Scan# 356

Delta R.T. 0.05 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

ClientSampleId :

VF0124SBS01

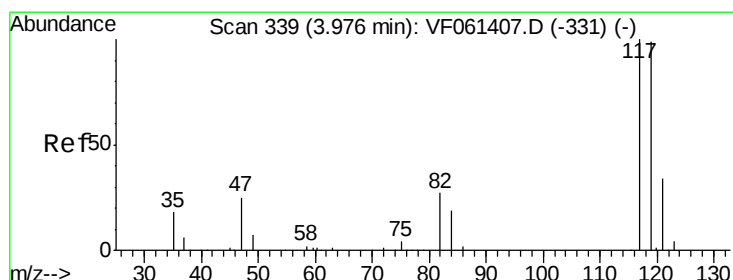
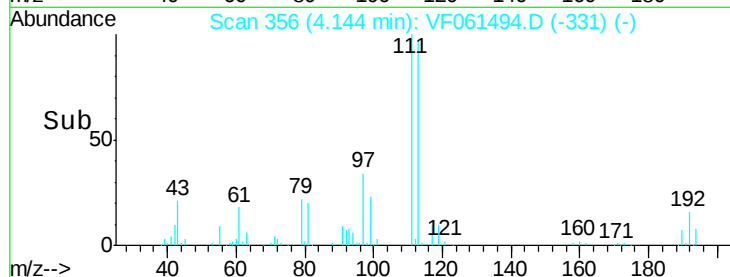
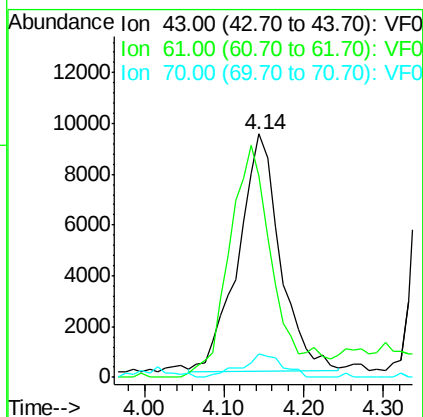
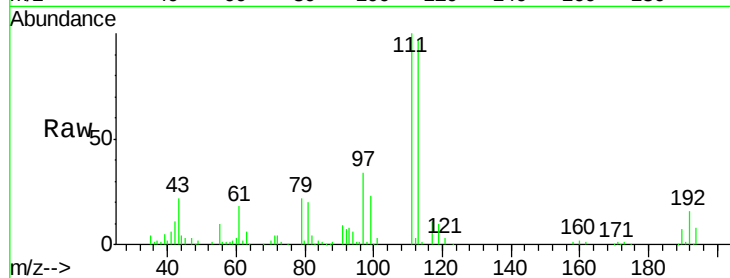
Tot Ion: 43 Resp: 34059

Ion Ratio Lower Upper

43 100

61 82.7 81.7 122.5

70 9.6 6.2 9.2#



#38

Carbon Tetrachloride

Concen: 15.725 ug/l

RT: 4.03 min Scan# 344

Delta R.T. 0.05 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

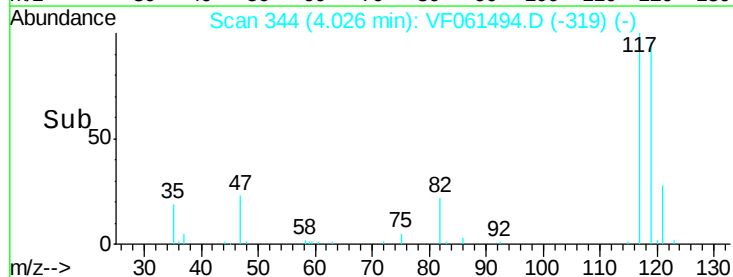
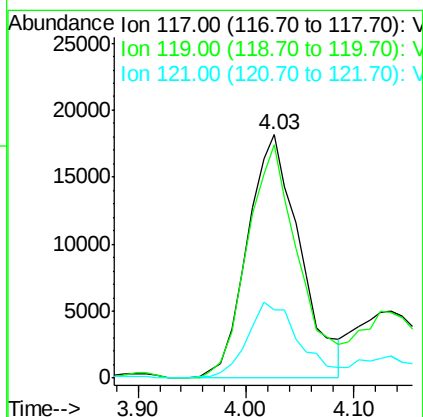
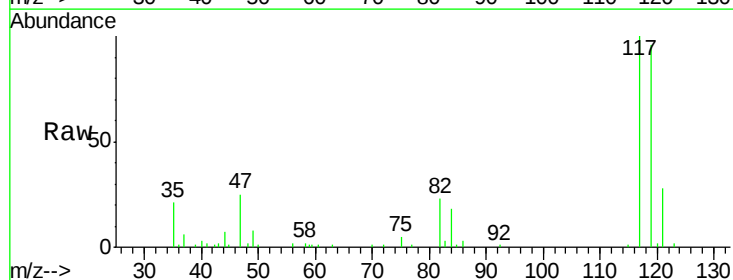
Tgt Ion: 117 Resp: 61445

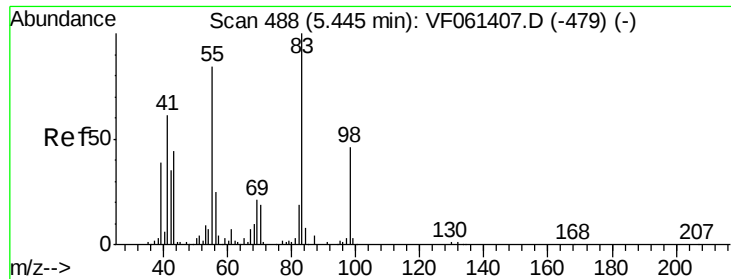
Ion Ratio Lower Upper

117 100

119 96.0 79.0 118.6

121 28.3 27.0 40.6





#39

Methvlcvclohexane

Concen: 17.164 ug/l

RT: 5.49 min Scan# 492

Delta R.T. 0.04 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

ClientSampleId :

VF0124SBS01

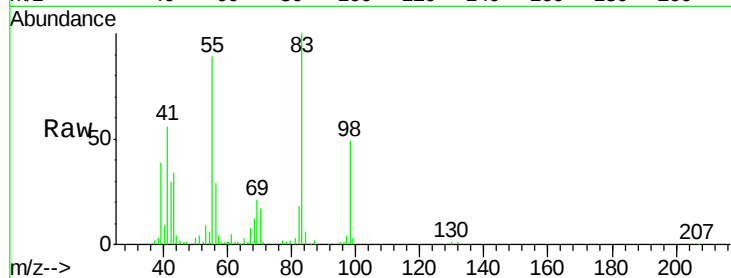
Tot Ion: 83 Resp: 83142

Ion Ratio Lower Upper

83 100

55 89.1 67.4 101.2

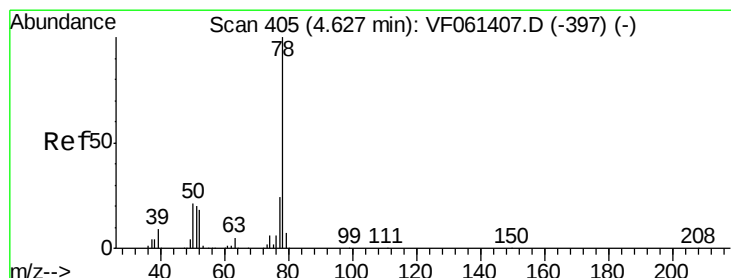
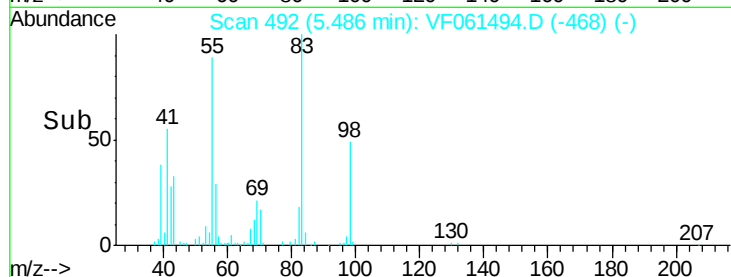
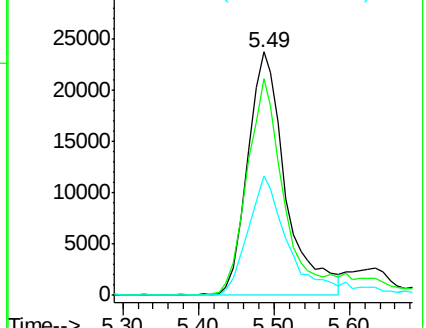
98 48.9 36.7 55.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#40

Benzene

Concen: 18.861 ug/l

RT: 4.67 min Scan# 409

Delta R.T. 0.04 min

Lab File: VF061494.D

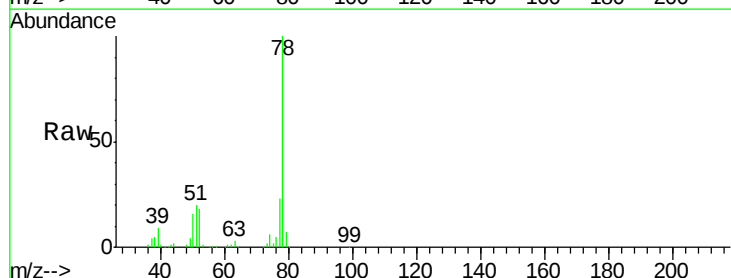
Acq: 24 Jan 2019 12:18

Tgt Ion: 78 Resp: 187589

Ion Ratio Lower Upper

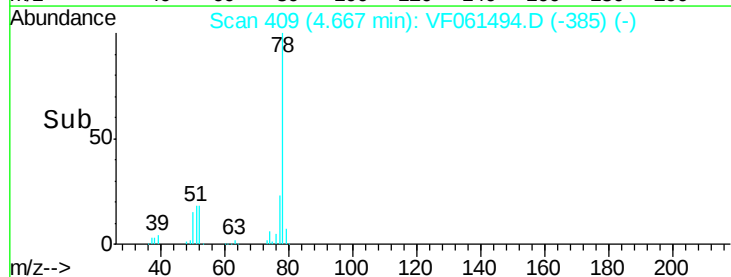
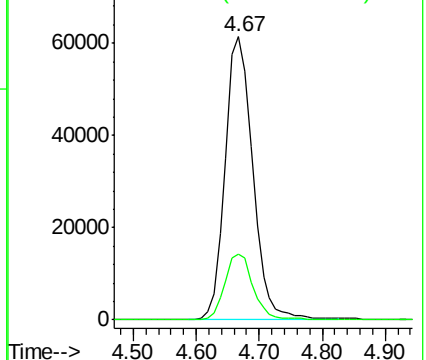
78 100

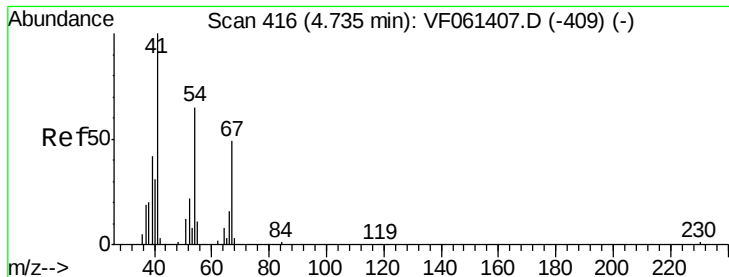
77 23.3 19.0 28.6



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 19.500 ug/l

RT: 4.78 min Scan# 420

Delta R.T. 0.04 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

ClientSampleId :

VF0124SBS01

Tot Ion: 41 Resp: 18539

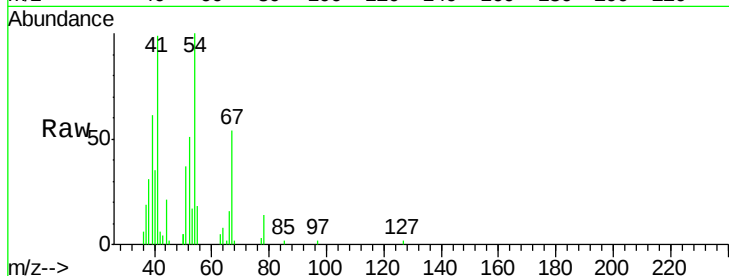
Ion Ratio Lower Upper

41 100

39 62.1 43.1 64.7

67 54.3 38.8 58.2

52 51.4 33.2 49.8#

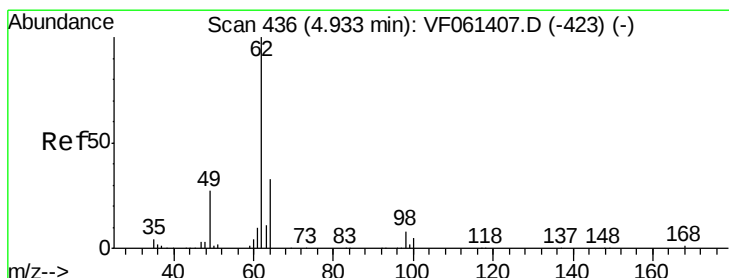
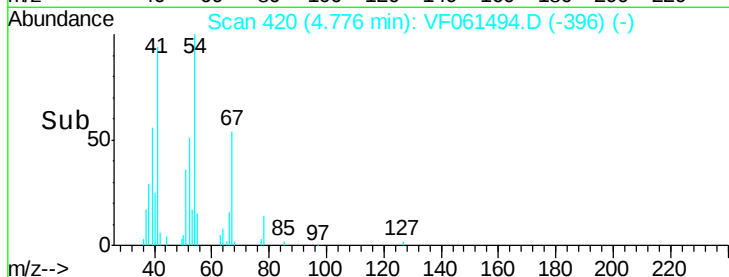
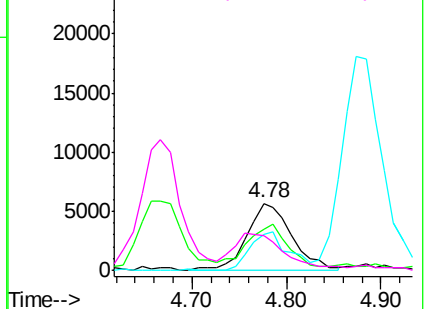


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 17.586 ug/l

RT: 4.97 min Scan# 440

Delta R.T. 0.04 min

Lab File: VF061494.D

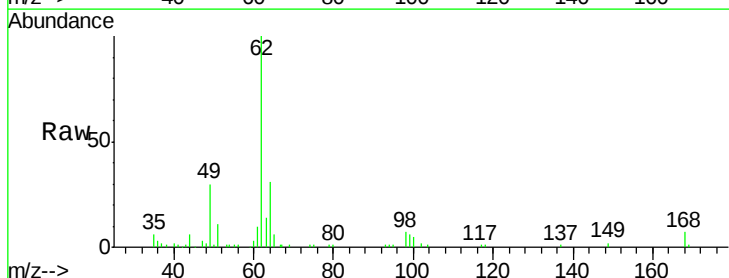
Acq: 24 Jan 2019 12:18

Tgt Ion: 62 Resp: 62328

Ion Ratio Lower Upper

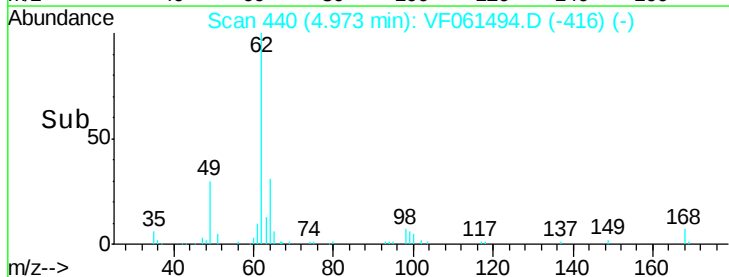
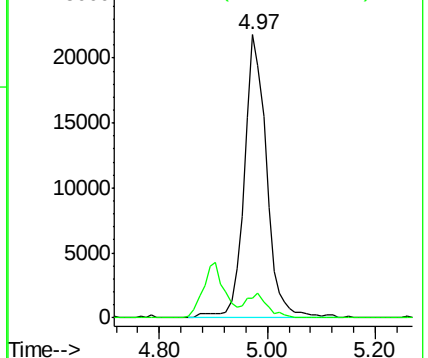
62 100

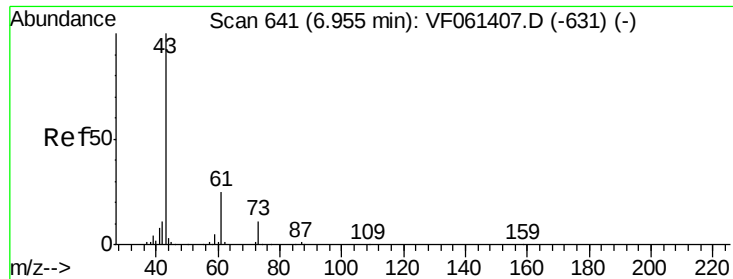
98 7.2 0.0 17.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



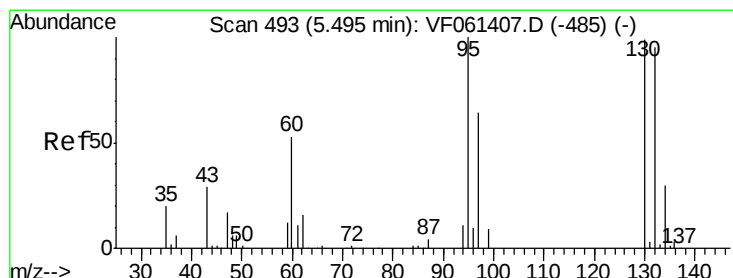
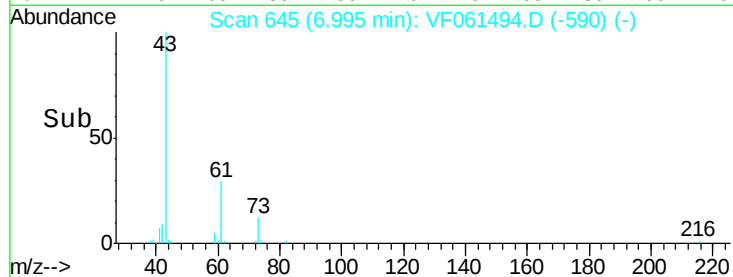
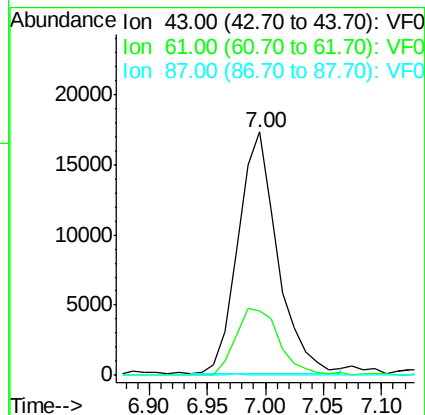
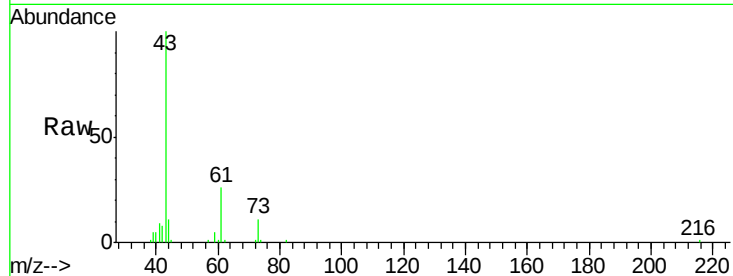


#43

Isopropyl Acetate
 Concen: 17.926 ug/l
 RT: 7.00 min Scan# 645
 Delta R.T. 0.04 min
 Lab File: VF061494.D
 Acq: 24 Jan 2019 12:18

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0124SBS01

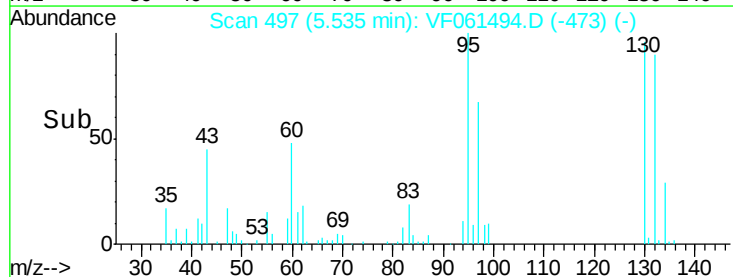
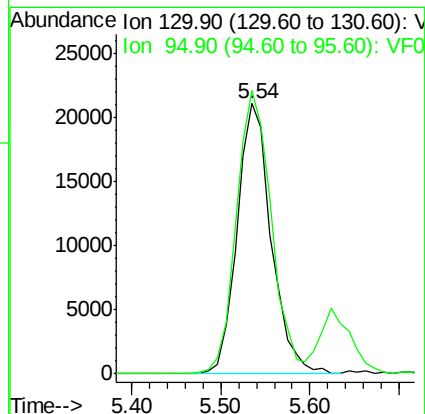
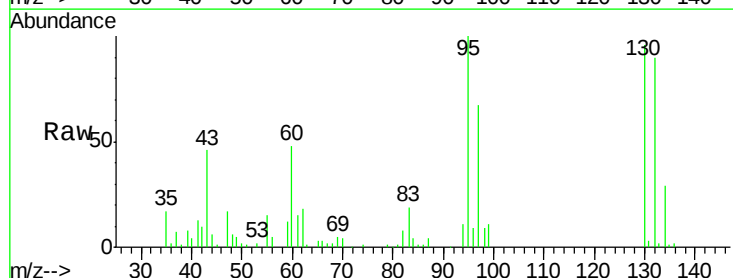
Tot Ion: 43 Resp: 40198
 Ion Ratio Lower Upper
 43 100
 61 26.4 20.3 30.5
 87 0.0 0.5 0.7#

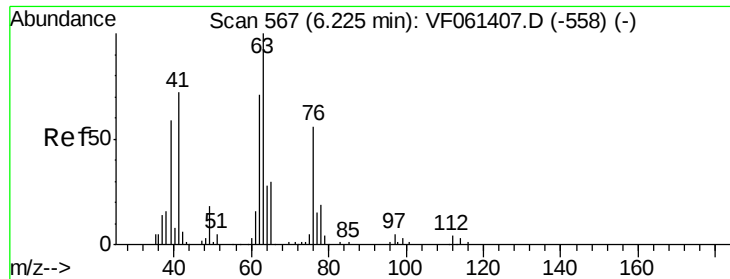


#44

Trichloroethene
 Concen: 18.370 ug/l
 RT: 5.54 min Scan# 497
 Delta R.T. 0.04 min
 Lab File: VF061494.D
 Acq: 24 Jan 2019 12:18

Tgt Ion:130 Resp: 56048
 Ion Ratio Lower Upper
 130 100
 95 104.7 0.0 202.8





#45

1,2-Dichloropropane

Concen: 18.480 ug/l

RT: 6.27 min Scan# 571

Delta R.T. 0.04 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

ClientSampleId :

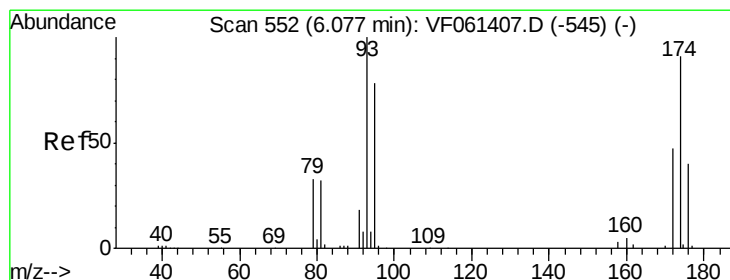
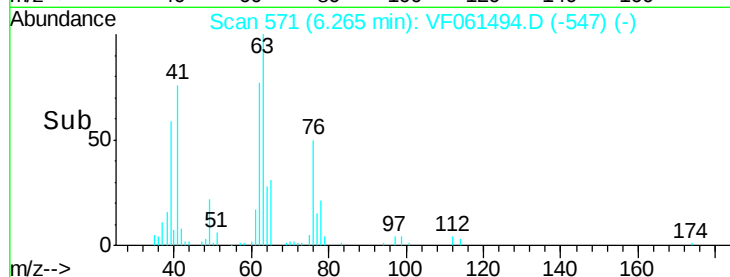
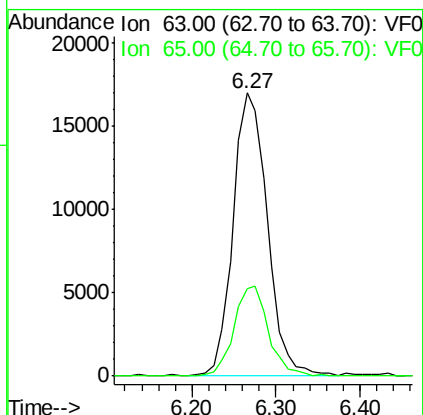
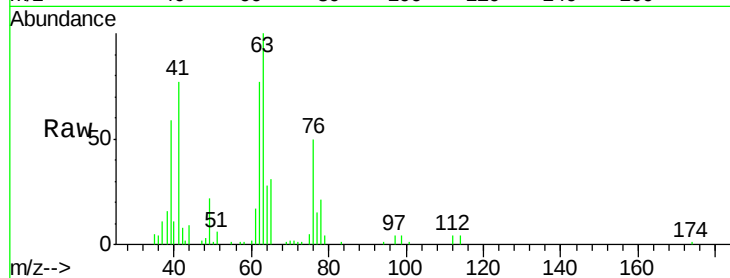
VF0124SBS01

Tot Ion: 63 Resp: 48239

Ion Ratio Lower Upper

63 100

65 31.0 24.4 36.6



#46

Dibromomethane

Concen: 16.808 ug/l

RT: 6.12 min Scan# 556

Delta R.T. 0.04 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

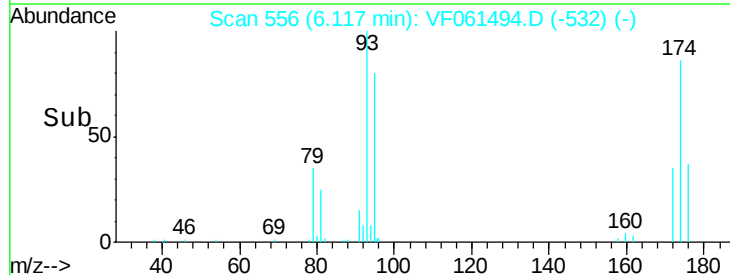
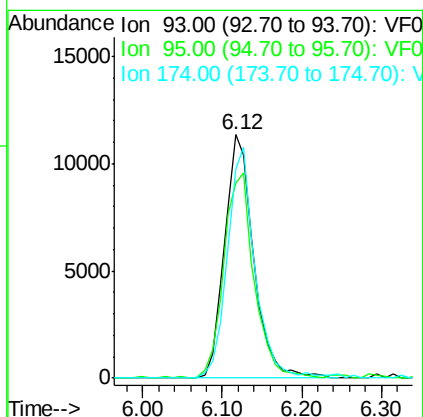
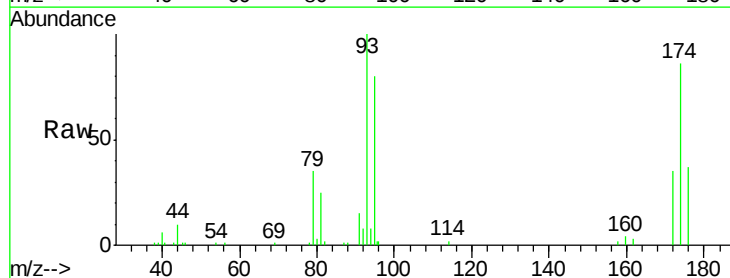
Tgt Ion: 93 Resp: 29173

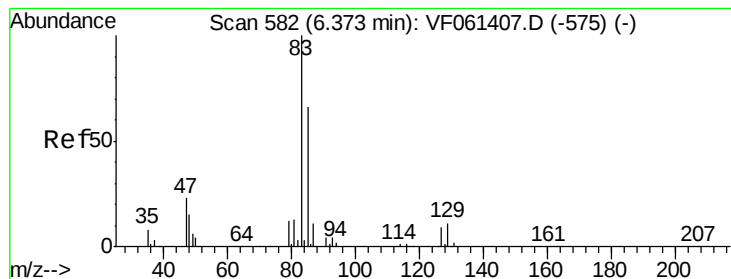
Ion Ratio Lower Upper

93 100

95 81.9 62.1 93.1

174 85.8 74.6 111.8





#47

Bromodichloromethane

Concen: 17.621 ug/l

RT: 6.42 min Scan# 587

Delta R.T. 0.05 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

ClientSampleId :

VF0124SBS01

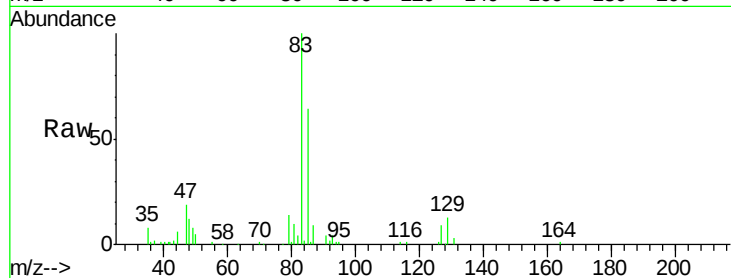
Tot Ion: 83 Resp: 75672

Ion Ratio Lower Upper

83 100

85 64.1 53.0 79.4

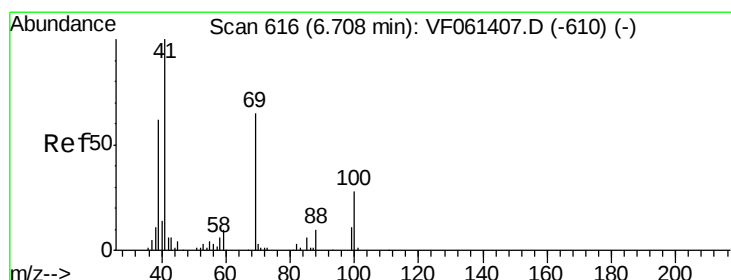
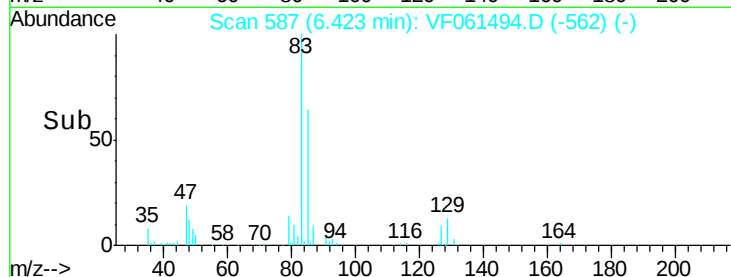
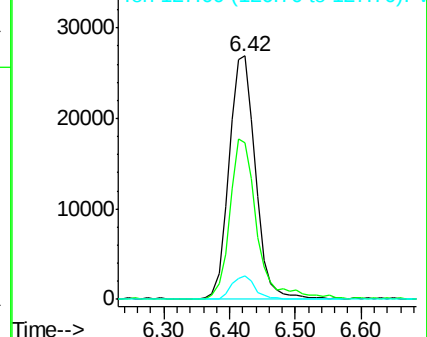
127 9.4 6.9 10.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 18.770 ug/l

RT: 6.75 min Scan# 620

Delta R.T. 0.04 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

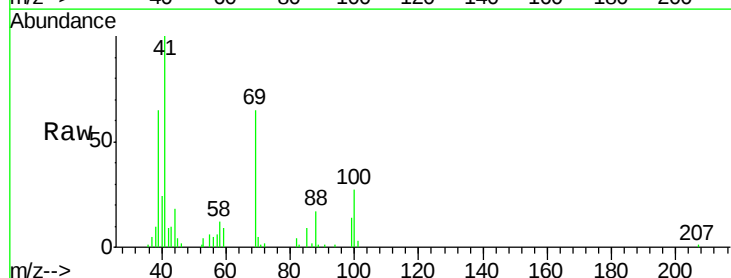
Tgt Ion: 41 Resp: 28263

Ion Ratio Lower Upper

41 100

69 64.9 51.7 77.5

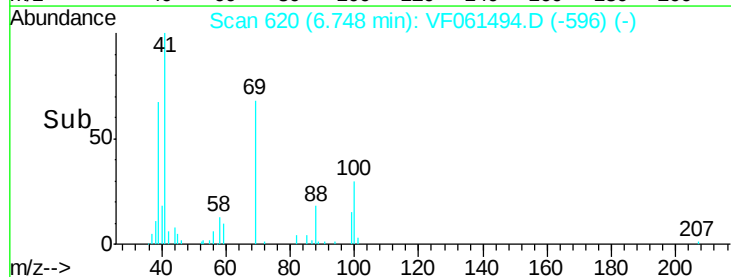
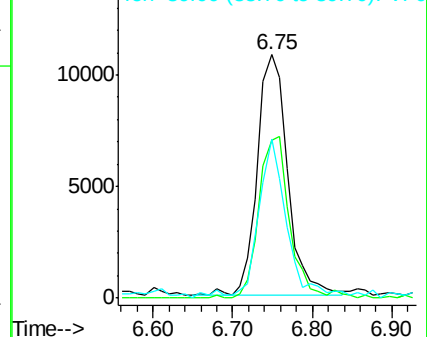
39 65.4 49.2 73.8

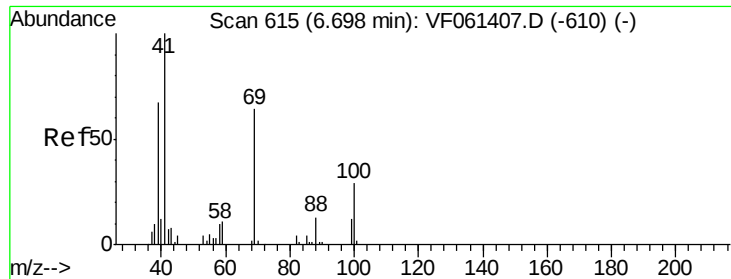


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

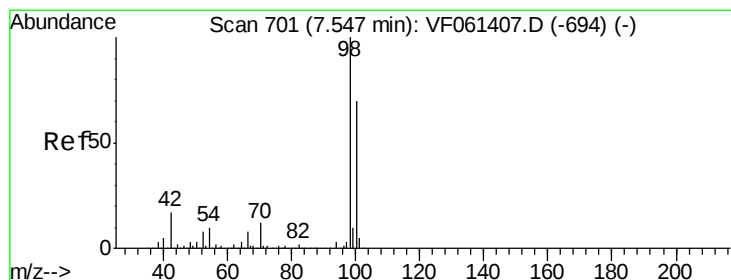
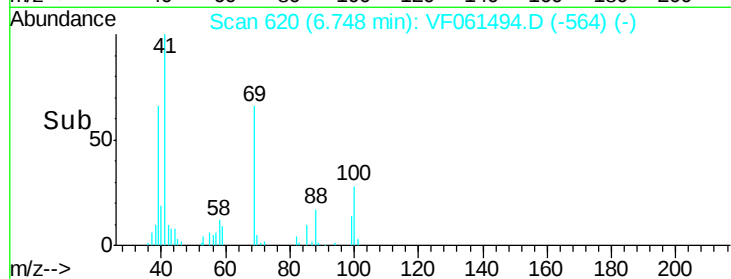
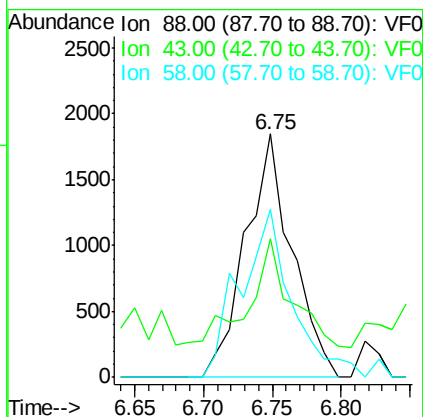
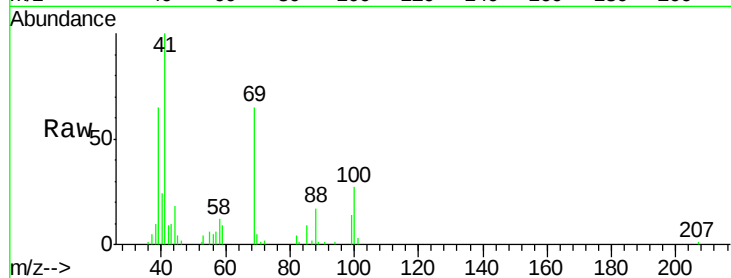




#49
 1,4-Dioxane
 Concen: 369.111 ug/l
 RT: 6.75 min Scan# 620
 Delta R.T. 0.05 min
 Lab File: VF061494.D
 Acq: 24 Jan 2019 12:18

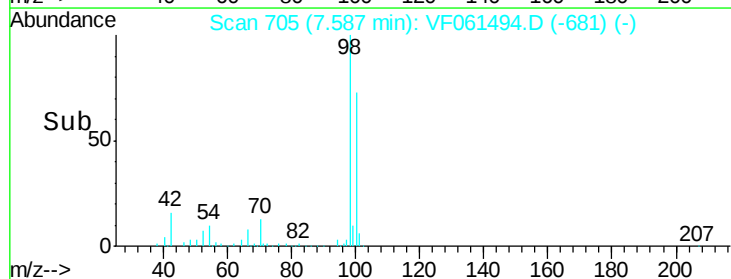
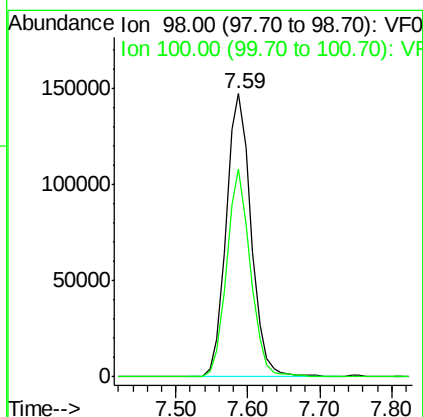
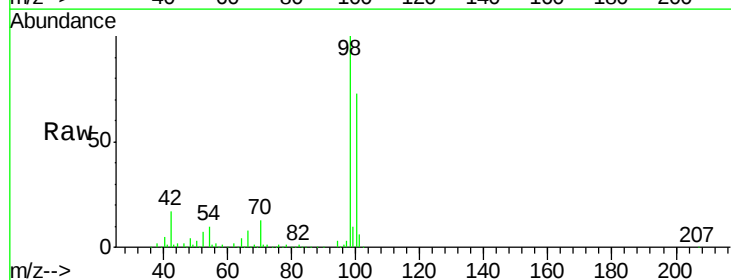
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0124SBS01

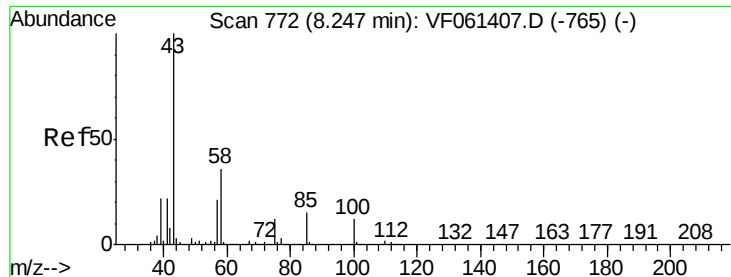
Tot Ion: 88 Resp: 4340
 Ion Ratio Lower Upper
 88 100
 43 57.1 55.5 83.3
 58 68.9 59.9 89.9



#50
 Toluene-d8
 Concen: 42.538 ug/l
 RT: 7.59 min Scan# 705
 Delta R.T. 0.04 min
 Lab File: VF061494.D
 Acq: 24 Jan 2019 12:18

Tgt Ion: 98 Resp: 354529
 Ion Ratio Lower Upper
 98 100
 100 73.4 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 92.872 ug/l

RT: 8.29 min Scan# 776

Delta R.T. 0.04 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

ClientSampleId :

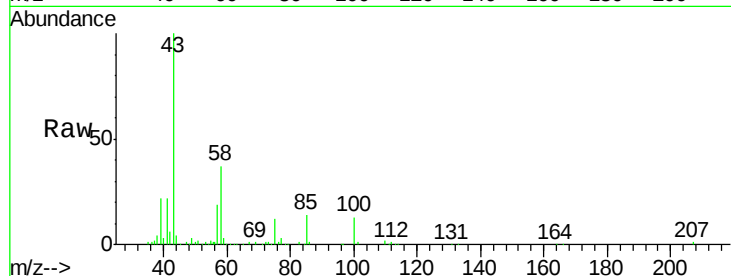
VF0124SBS01

Tot Ion: 43 Resp: 153102

Ion Ratio Lower Upper

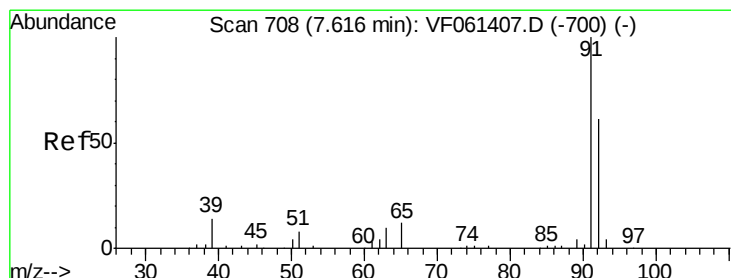
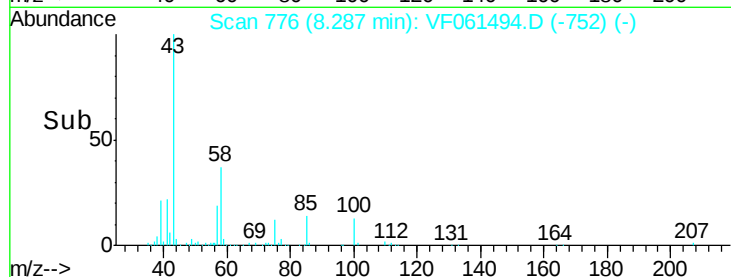
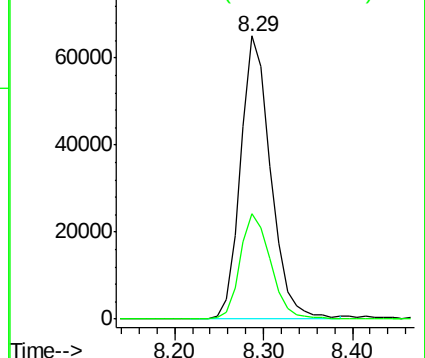
43 100

58 37.1 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 18.169 ug/l

RT: 7.66 min Scan# 712

Delta R.T. 0.04 min

Lab File: VF061494.D

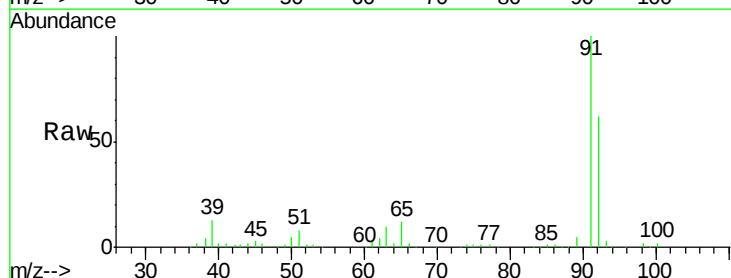
Acq: 24 Jan 2019 12:18

Tgt Ion: 92 Resp: 119001

Ion Ratio Lower Upper

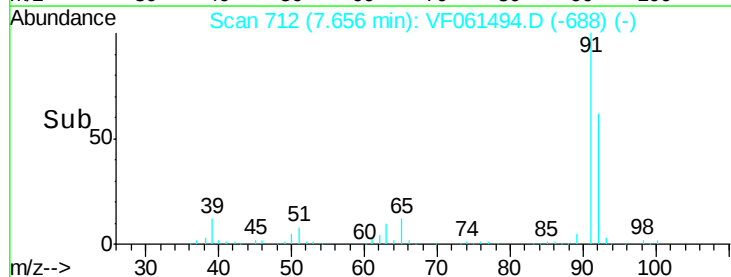
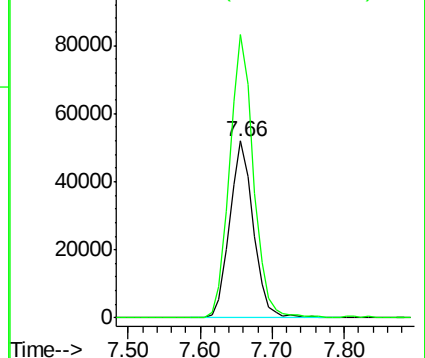
92 100

91 160.3 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

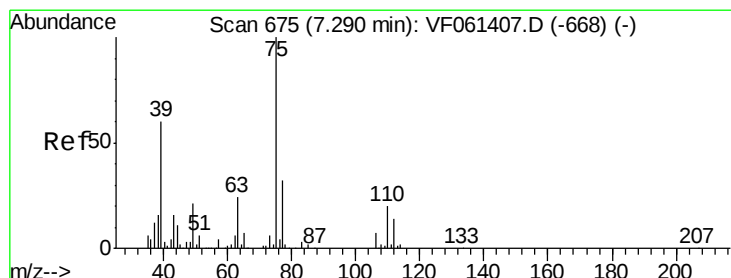
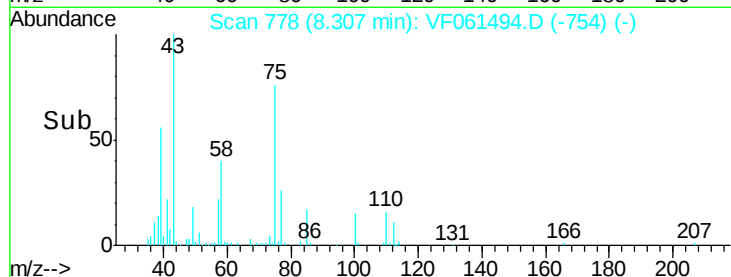
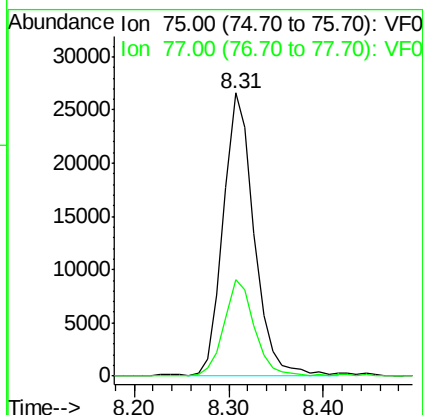
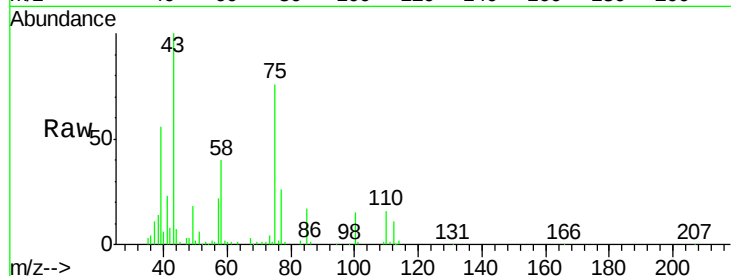




#53
 t-1,3-Dichloropropene
 Concen: 17.700 ug/l
 RT: 8.31 min Scan# 778
 Delta R.T. 0.04 min
 Lab File: VF061494.D
 Acq: 24 Jan 2019 12:18

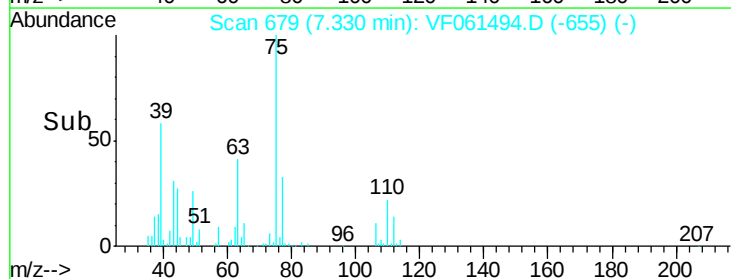
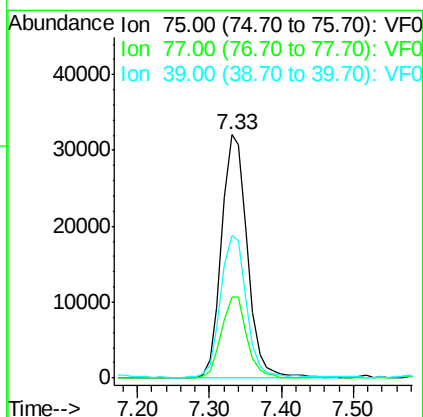
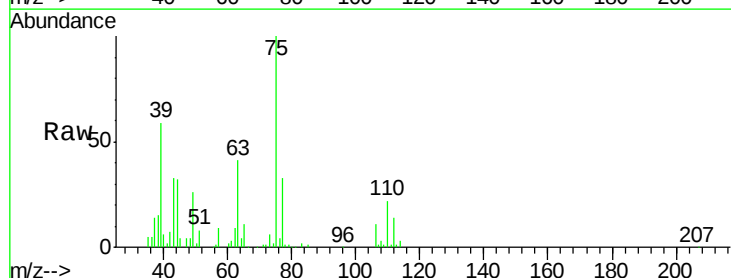
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0124SBS01

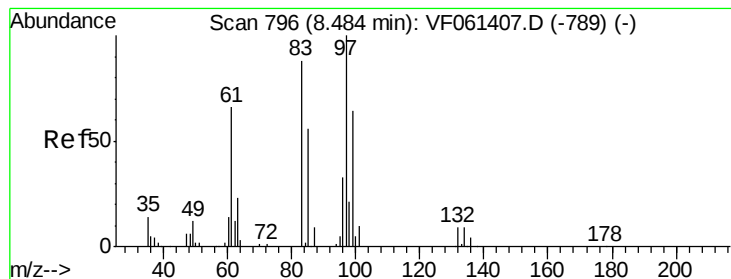
Tot Ion: 75 Resp: 60358
 Ion Ratio Lower Upper
 75 100
 77 34.0 24.4 36.6



#54
 cis-1,3-Dichloropropene
 Concen: 18.663 ug/l
 RT: 7.33 min Scan# 679
 Delta R.T. 0.04 min
 Lab File: VF061494.D
 Acq: 24 Jan 2019 12:18

Tgt Ion: 75 Resp: 79552
 Ion Ratio Lower Upper
 75 100
 77 33.5 25.4 38.0
 39 58.5 47.8 71.8





#55

1,1,2-Trichloroethane

Concen: 18.452 ug/l

RT: 8.52 min Scan# 800

Delta R.T. 0.04 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

ClientSampleId :

VF0124SBS01

Tot Ion: 97 Resp: 34320

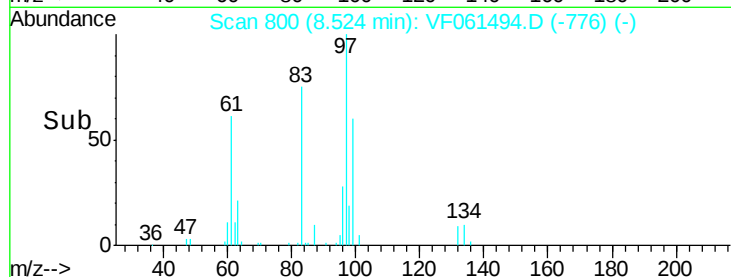
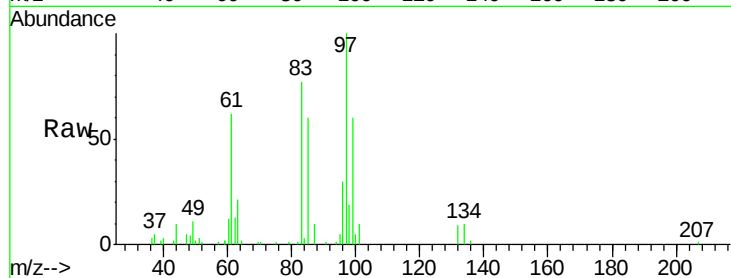
Ion	Ratio	Lower	Upper
97	100		
83	77.4	70.4	105.6
85	59.9	44.7	67.1
99	59.6	50.8	76.2

97 100

83 77.4 70.4 105.6

85 59.9 44.7 67.1

99 59.6 50.8 76.2

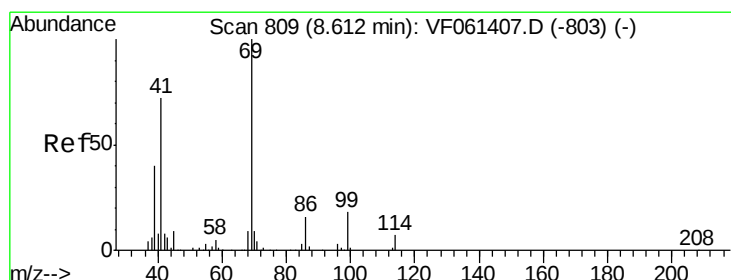
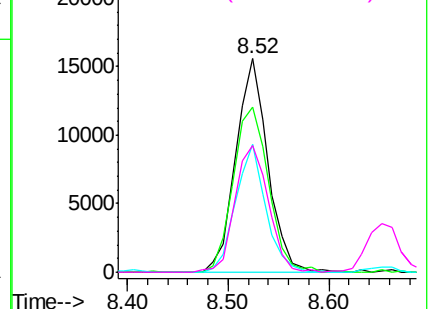


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 16.902 ug/l

RT: 8.65 min Scan# 813

Delta R.T. 0.04 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

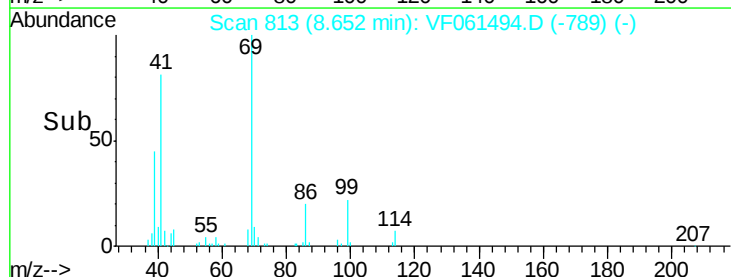
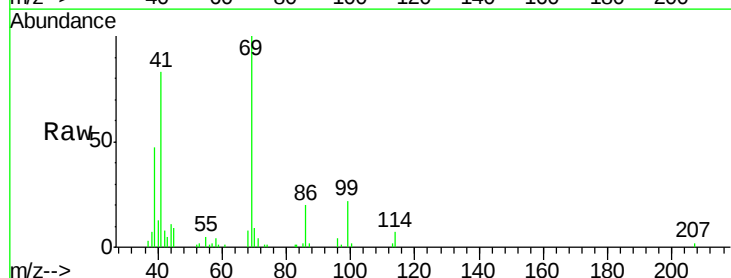
Tgt Ion: 69 Resp: 36574

Ion	Ratio	Lower	Upper
69	100		
41	82.7	57.5	86.3
39	47.3	32.0	48.0

69 100

41 82.7 57.5 86.3

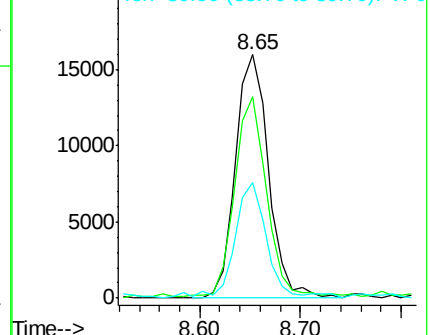
39 47.3 32.0 48.0

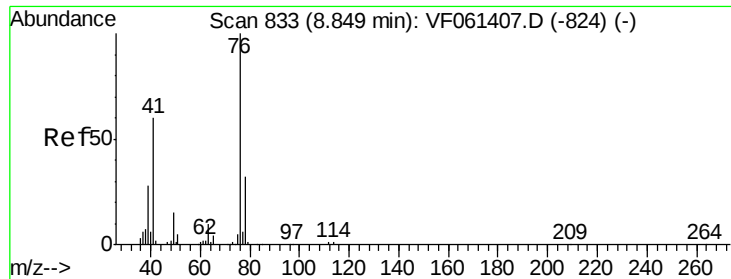


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 17.414 ug/l

RT: 8.89 min Scan# 837

Delta R.T. 0.04 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

ClientSampleId :

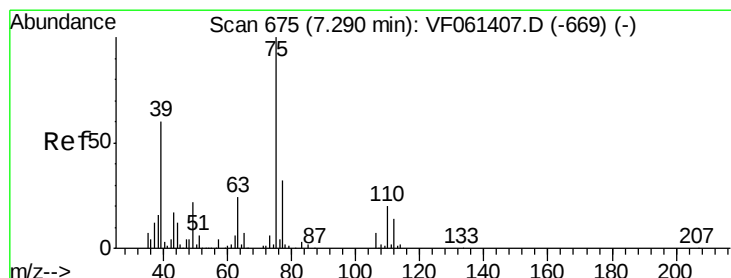
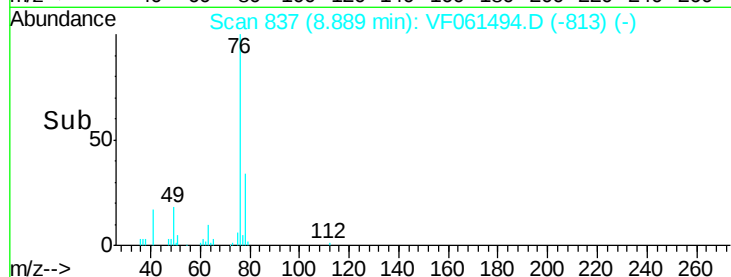
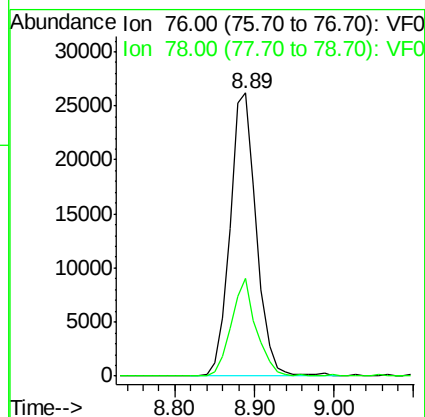
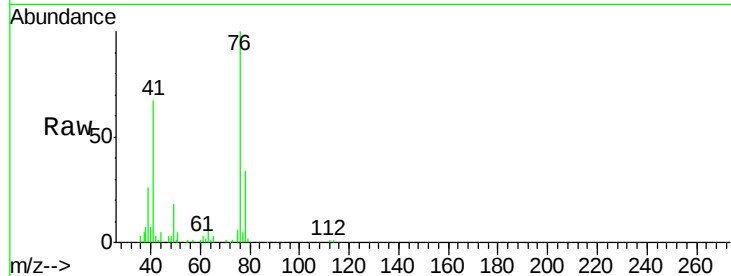
VF0124SBS01

Tot Ion: 76 Resp: 60707

Ion Ratio Lower Upper

76 100

78 34.4 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 143.117 ug/l

RT: 7.33 min Scan# 679

Delta R.T. 0.04 min

Lab File: VF061494.D

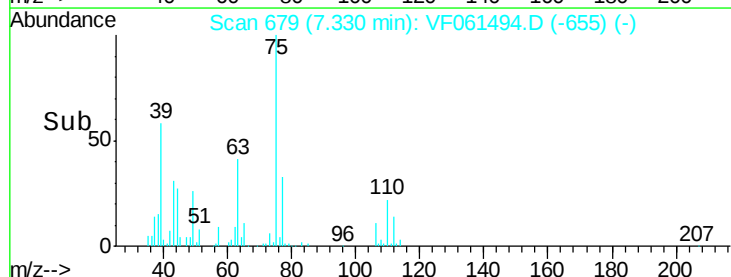
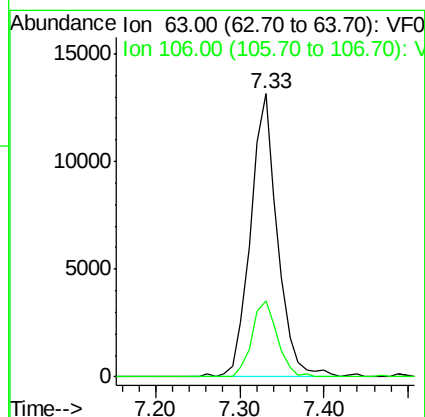
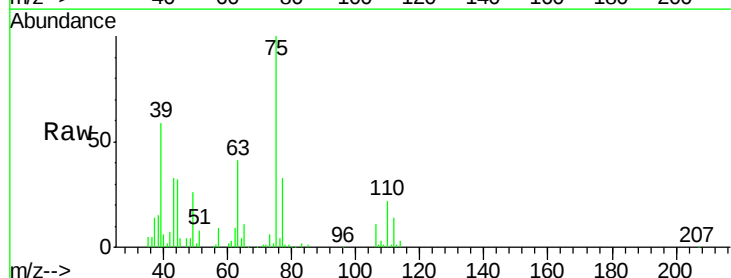
Acq: 24 Jan 2019 12:18

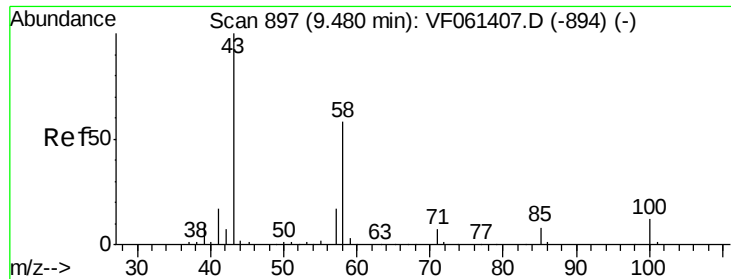
Tgt Ion: 63 Resp: 29475

Ion Ratio Lower Upper

63 100

106 26.7 21.9 32.9

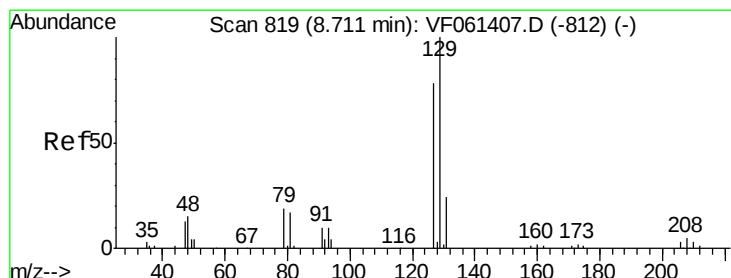
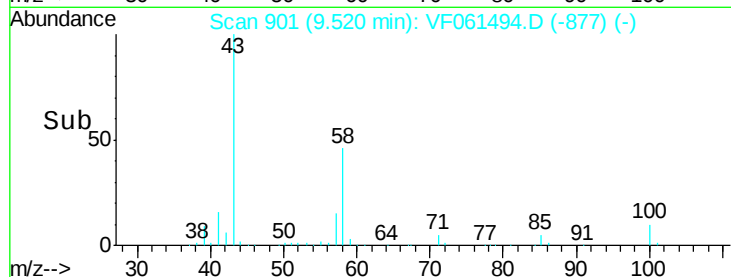
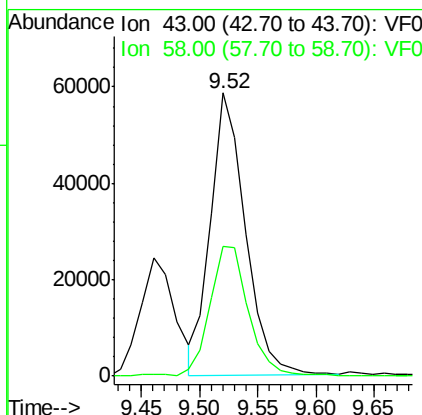
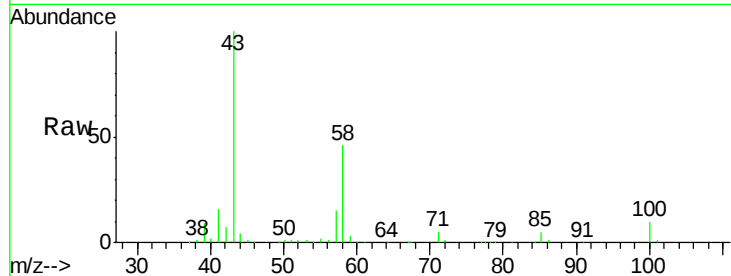




#59
2-Hexanone
Concen: 106.262 ug/l
RT: 9.52 min Scan# 901
Delta R.T. 0.04 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

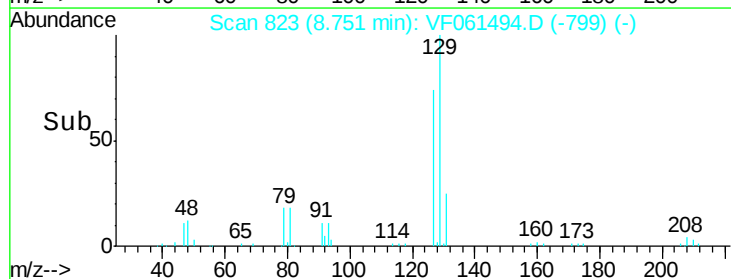
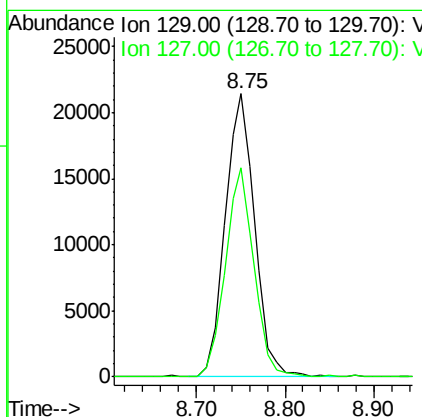
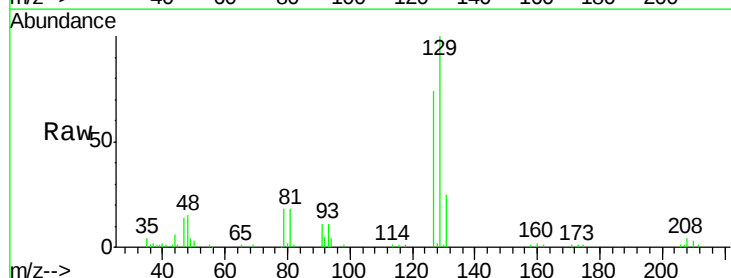
Instrument :
MSVOA_F
ClientSampleId :
VF0124SBS01

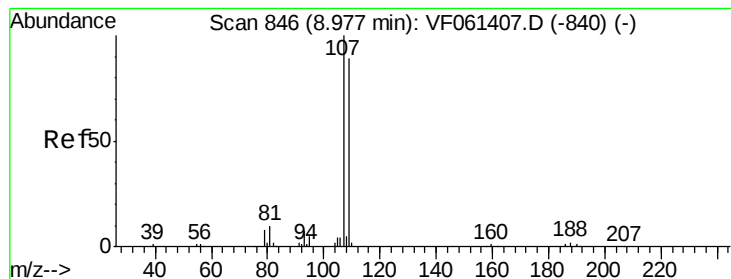
Tot Ion: 43 Resp: 122154
Ion Ratio Lower Upper
43 100
58 45.6 25.9 77.6



#60
Dibromochloromethane
Concen: 18.245 ug/l
RT: 8.75 min Scan# 823
Delta R.T. 0.04 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

Tgt Ion:129 Resp: 49610
Ion Ratio Lower Upper
129 100
127 74.1 39.1 117.2





#61

1,2-Dibromoethane

Concen: 17.231 ug/l

RT: 9.02 min Scan# 850

Delta R.T. 0.04 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

ClientSampleId :

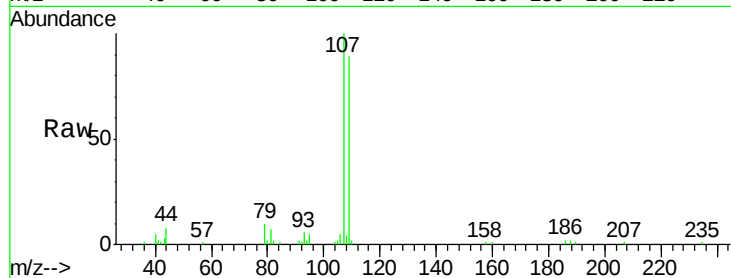
VF0124SBS01

Tot Ion:107 Resp: 36688

Ion Ratio Lower Upper

107 100

109 89.4 70.8 106.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

20000

15000

10000

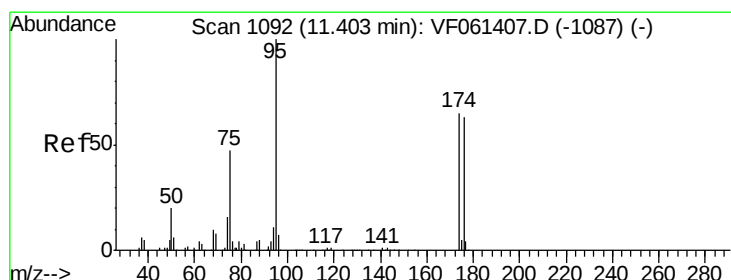
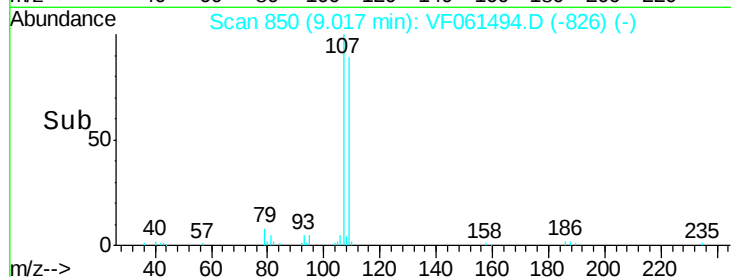
5000

0

Time-->

8.90 9.00 9.10 9.20

9.02



#62

4-Bromofluorobenzene

Concen: 41.243 ug/l

RT: 11.43 min Scan# 1095

Delta R.T. 0.03 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

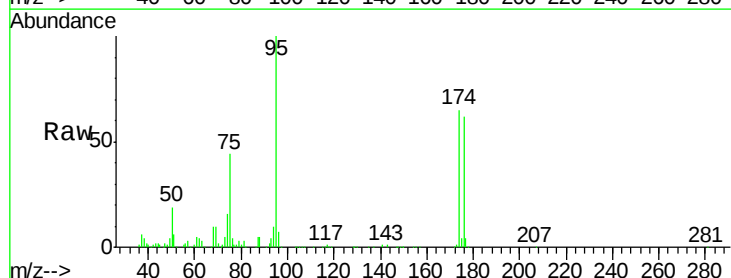
Tgt Ion: 95 Resp: 160602

Ion Ratio Lower Upper

95 100

174 65.1 0.0 130.4

176 62.4 0.0 126.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

100000

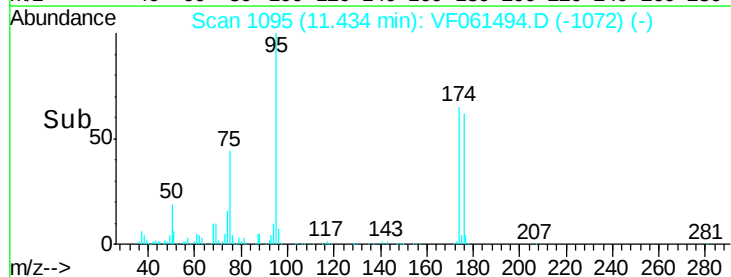
50000

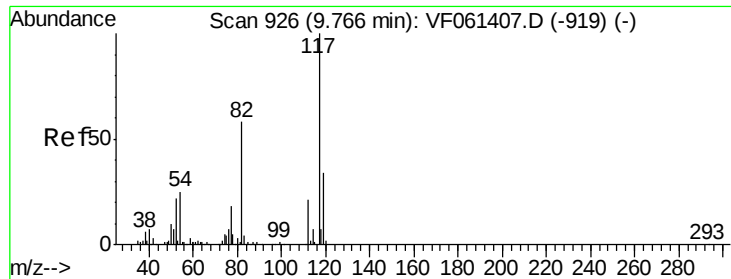
0

Time-->

11.30 11.40 11.50 11.60

11.43

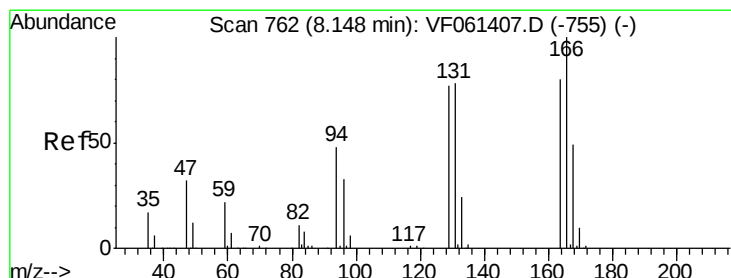
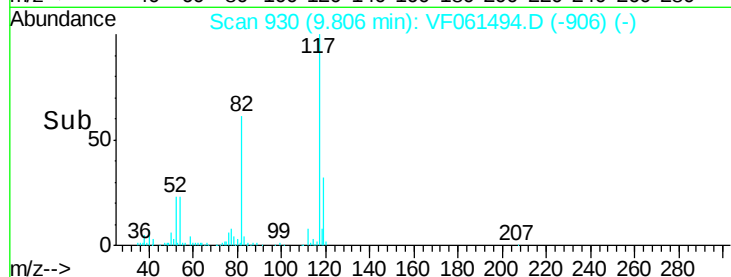
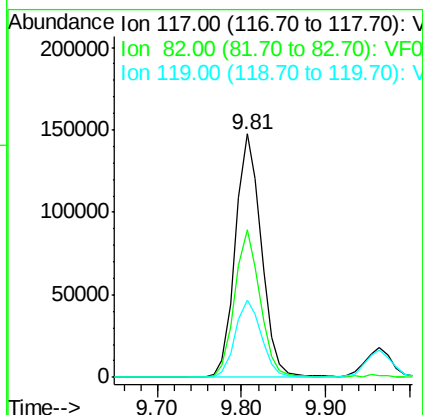
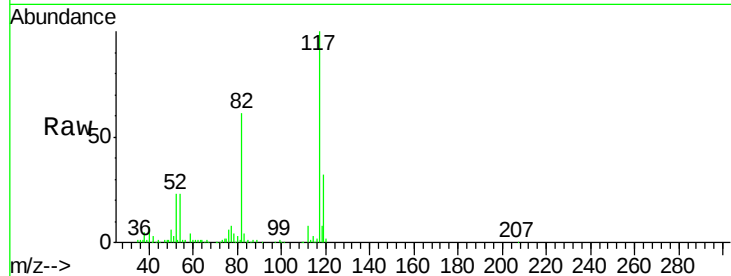




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.81 min Scan# 930
Delta R.T. 0.04 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

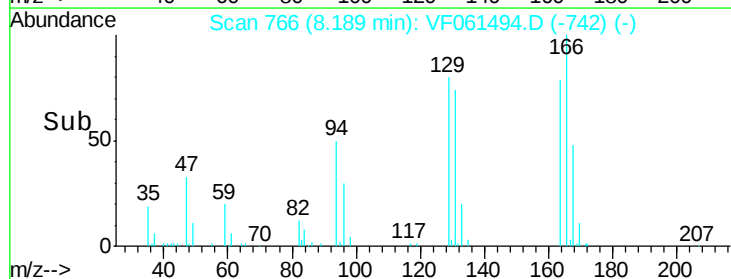
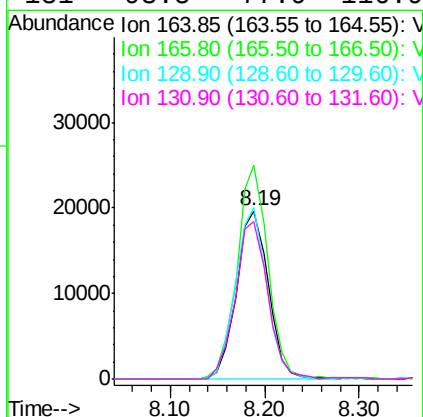
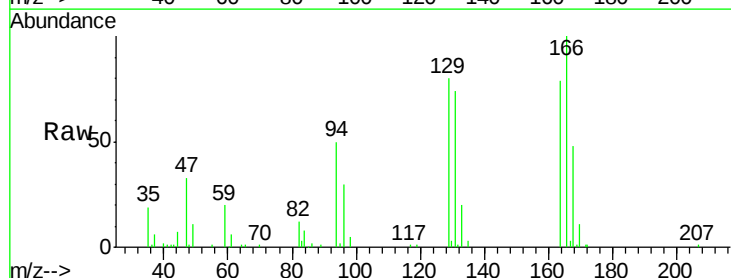
Instrument :
MSVOA_F
ClientSampleId :
VF0124SBS01

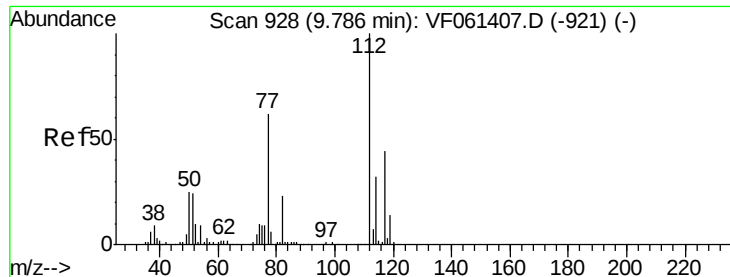
Tot Ion:117 Resp: 319008
Ion Ratio Lower Upper
117 100
82 60.5 46.4 69.6
119 31.8 27.2 40.8



#64
Tetrachloroethene
Concen: 19.106 ug/l
RT: 8.19 min Scan# 766
Delta R.T. 0.04 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

Tgt Ion:164 Resp: 45834
Ion Ratio Lower Upper
164 100
166 127.0 99.6 149.4
129 101.7 76.4 114.6
131 93.5 77.9 116.9





#65

Chlorobenzene

Concen: 18.680 ug/l

RT: 9.84 min Scan# 933

Delta R.T. 0.05 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

ClientSampleId :

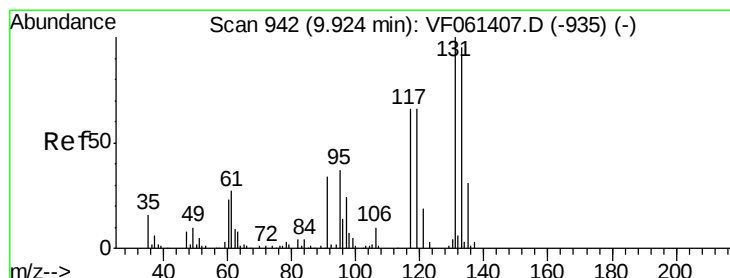
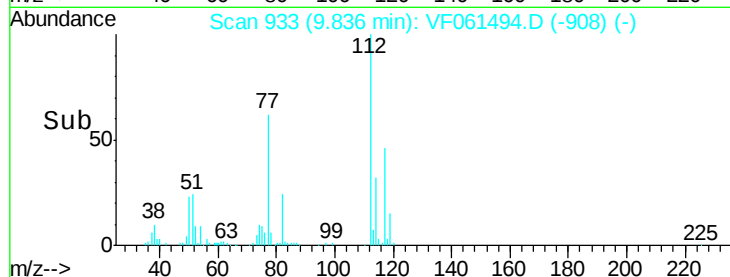
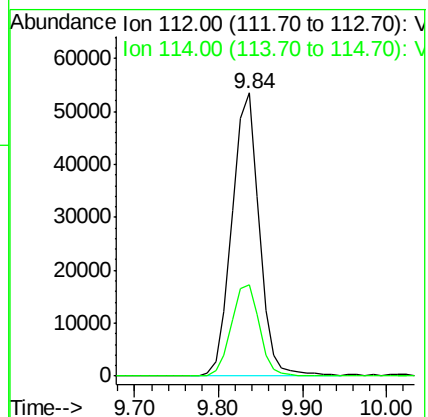
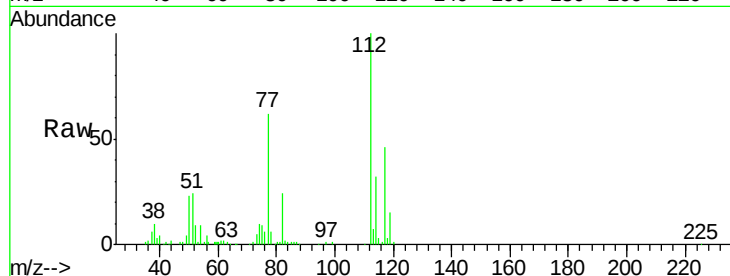
VF0124SBS01

Tot Ion:112 Resp: 121182

Ion Ratio Lower Upper

112 100

114 32.2 25.4 38.0



#66

1,1,1,2-Tetrachloroethane

Concen: 19.658 ug/l

RT: 9.96 min Scan# 946

Delta R.T. 0.04 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

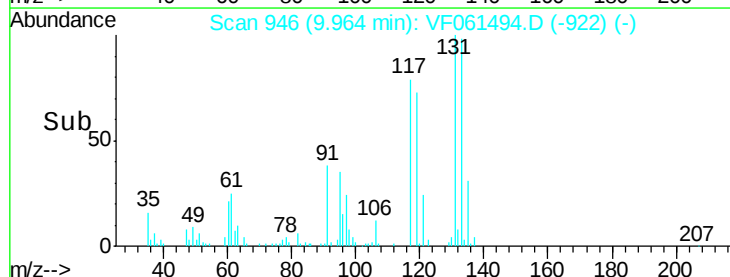
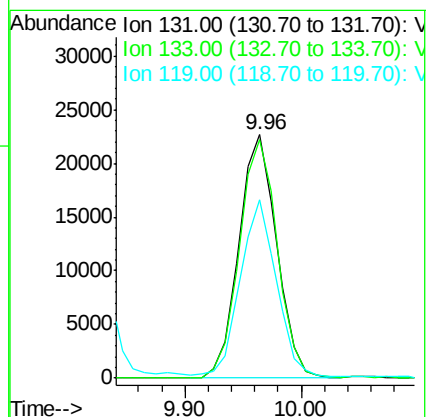
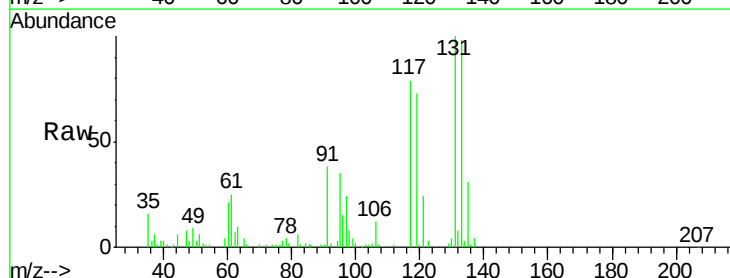
Tgt Ion:131 Resp: 50802

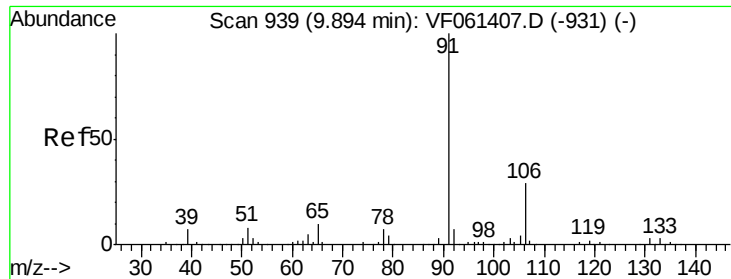
Ion Ratio Lower Upper

131 100

133 97.8 47.4 142.2

119 73.0 33.1 99.3

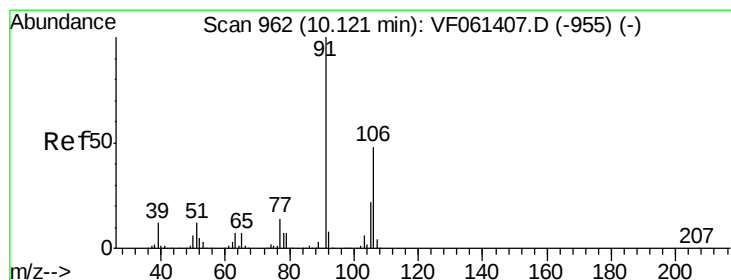
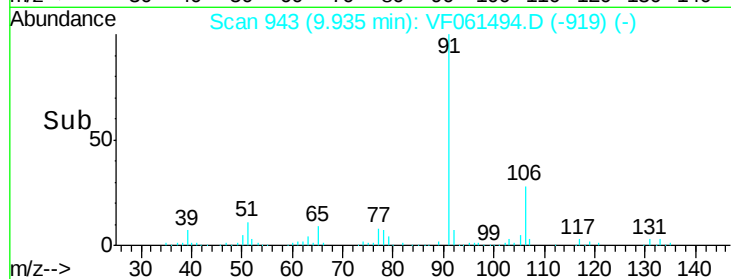
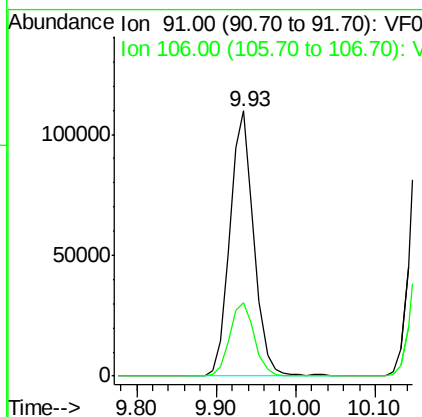
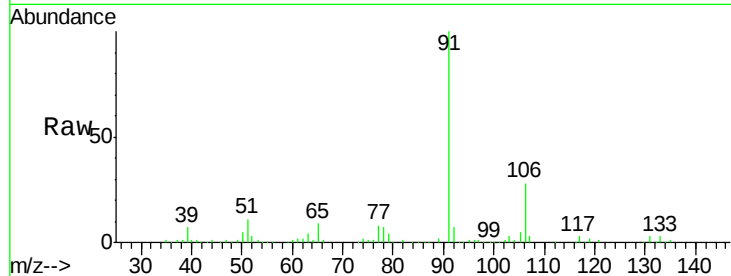




#67
Ethyl Benzene
Concen: 19.483 ug/l
RT: 9.93 min Scan# 943
Delta R.T. 0.04 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

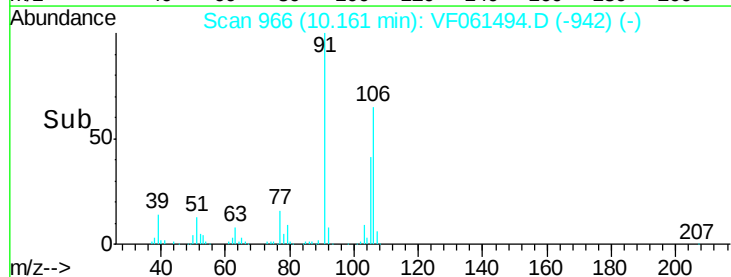
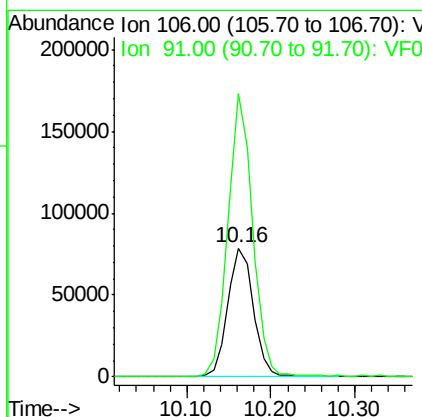
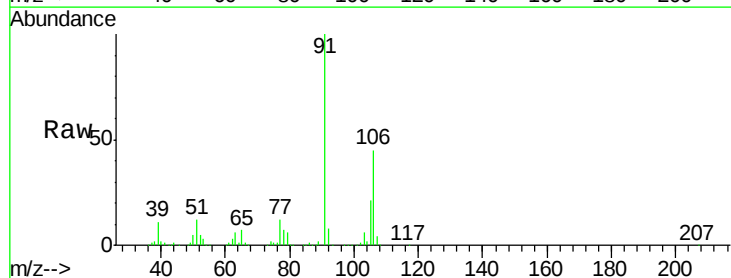
Instrument :
MSVOA_F
ClientSampleId :
VF0124SBS01

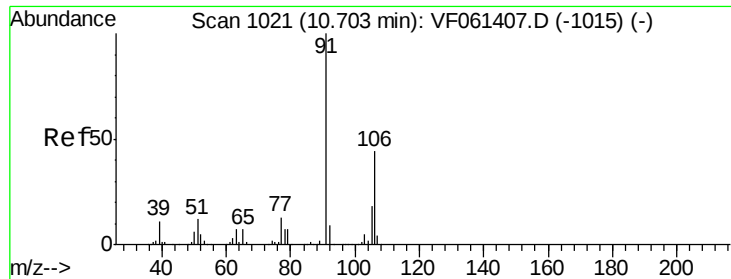
Tot Ion: 91 Resp: 230922
Ion Ratio Lower Upper
91 100
106 27.7 23.1 34.7



#68
m/p-Xylenes
Concen: 39.416 ug/l
RT: 10.16 min Scan# 966
Delta R.T. 0.04 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

Tgt Ion: 106 Resp: 168030
Ion Ratio Lower Upper
106 100
91 220.1 166.2 249.4

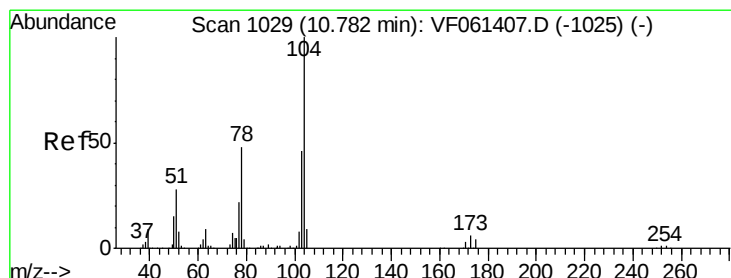
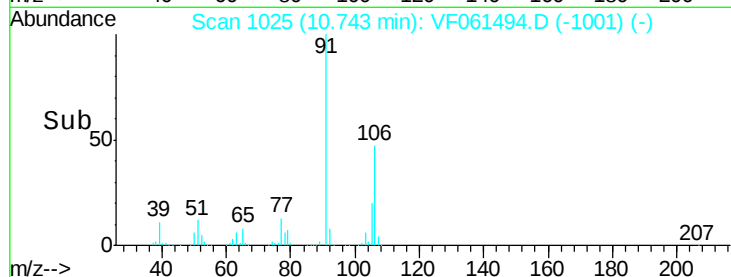
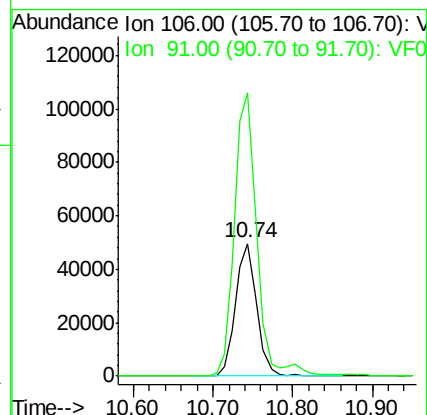
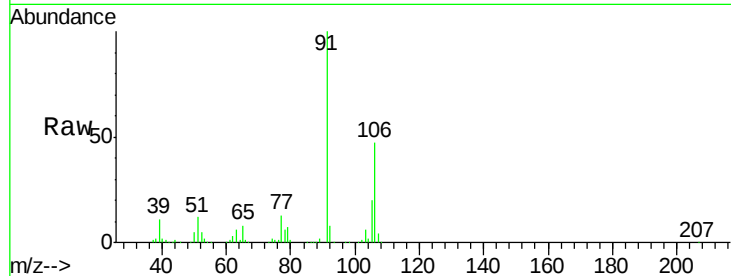




#69
o-Xylene
Concen: 20.146 ug/l
RT: 10.74 min Scan# 1025
Delta R.T. 0.04 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

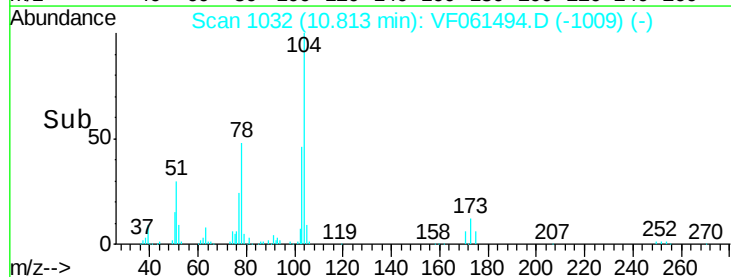
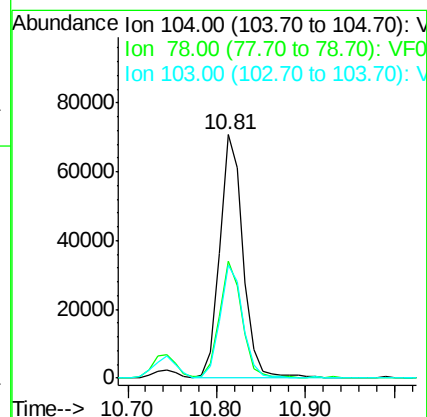
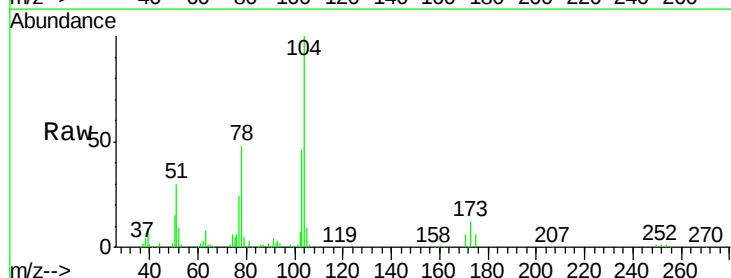
Instrument :
MSVOA_F
ClientSampleId :
VF0124SBS01

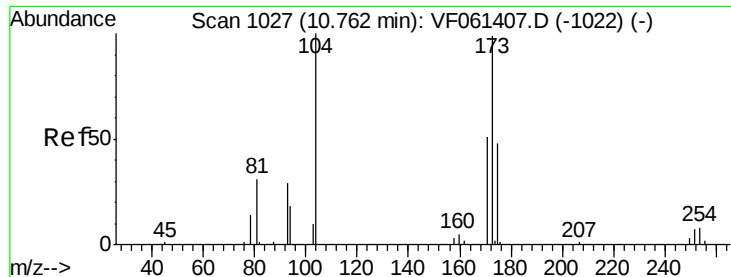
Tot Ion:106 Resp: 93080
Ion Ratio Lower Upper
106 100
91 213.1 113.3 339.8



#70
Styrene
Concen: 20.424 ug/l
RT: 10.81 min Scan# 1032
Delta R.T. 0.03 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

Tgt Ion:104 Resp: 129171
Ion Ratio Lower Upper
104 100
78 47.9 38.8 58.2
103 46.3 37.0 55.6

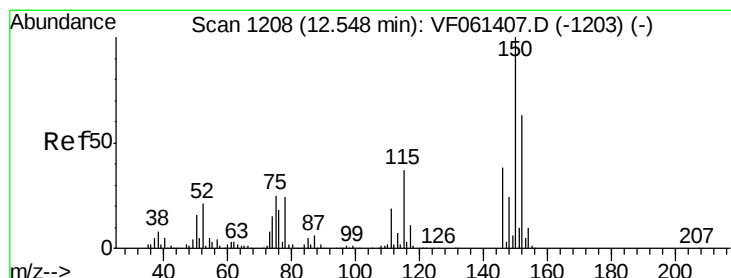
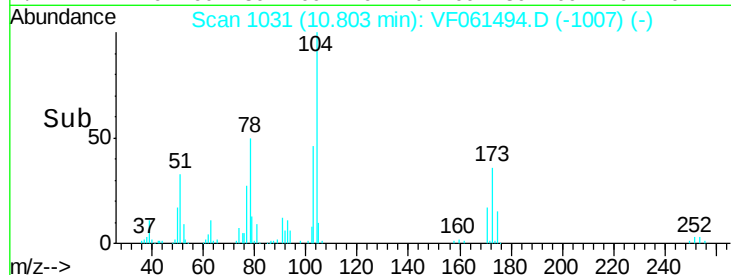
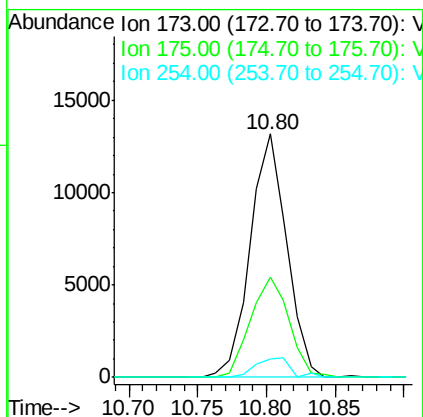
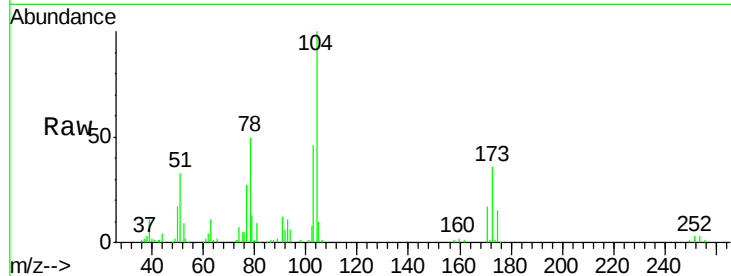




#71
Bromoform
Concen: 20.952 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. 0.04 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

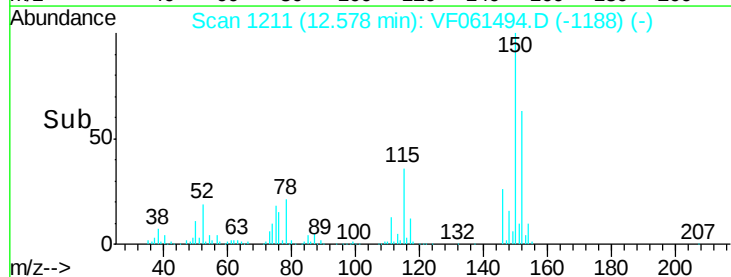
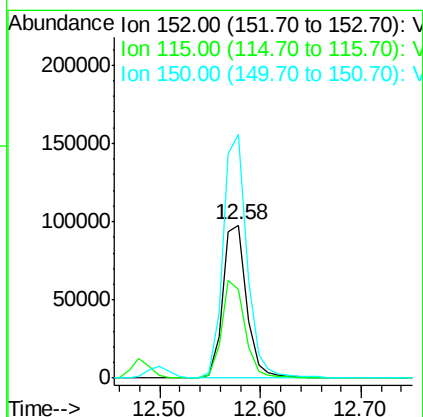
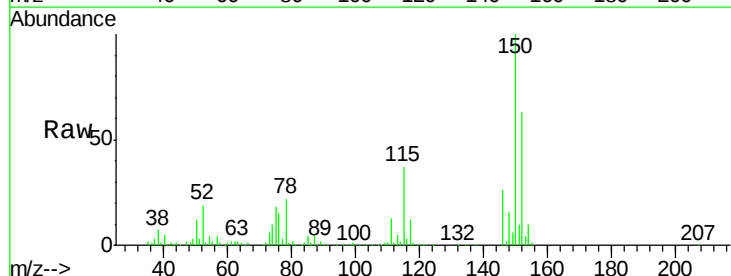
Instrument :
MSVOA_F
ClientSampleId :
VF0124SBS01

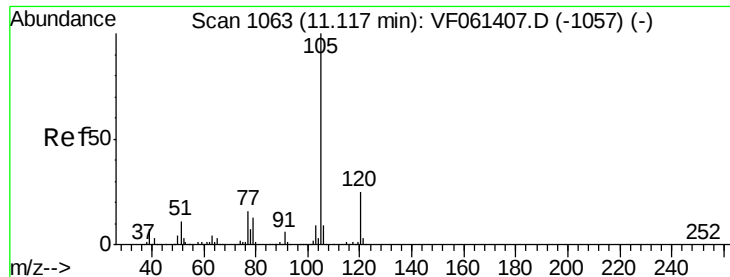
Tot Ion:173 Resp: 24328
Ion Ratio Lower Upper
173 100
175 42.1 24.1 72.4
254 7.4 0.0 0.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.58 min Scan# 1211
Delta R.T. 0.03 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

Tgt Ion:152 Resp: 161502
Ion Ratio Lower Upper
152 100
115 58.3 30.0 90.0
150 159.2 0.0 321.4





#73

Isopropylbenzene

Concen: 21.408 ug/l

RT: 11.15 min Scan# 1066

Delta R.T. 0.03 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

ClientSampleId :

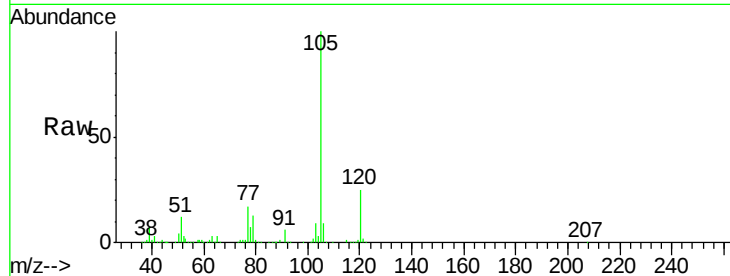
VF0124SBS01

Tot Ion:105 Resp: 281203

Ion Ratio Lower Upper

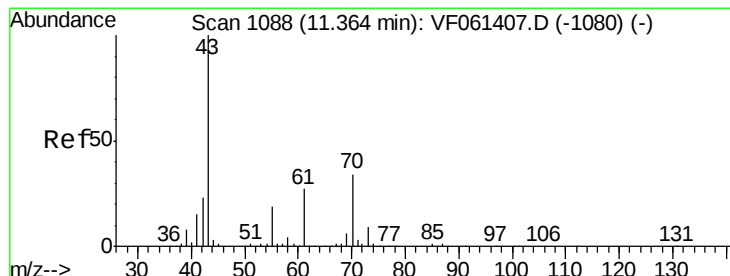
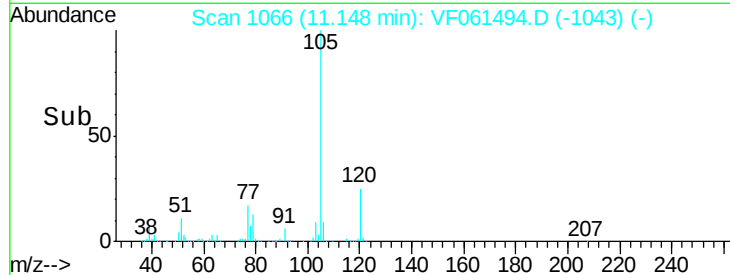
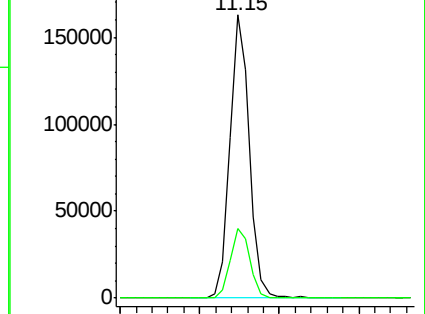
105 100

120 24.7 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.503 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. 0.03 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Tgt Ion: 43 Resp: 69894

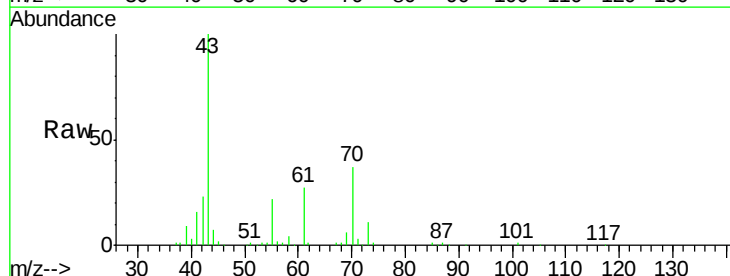
Ion Ratio Lower Upper

43 100

70 36.6 27.6 41.4

55 21.6 15.4 23.2

61 27.1 21.8 32.6

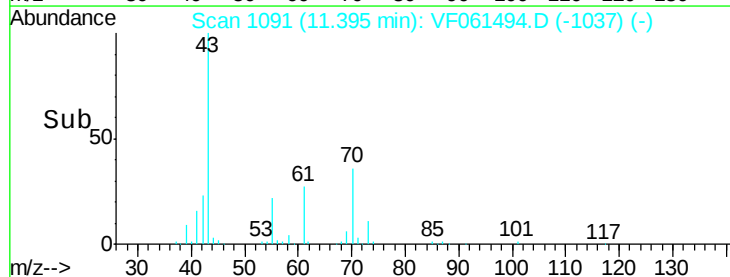
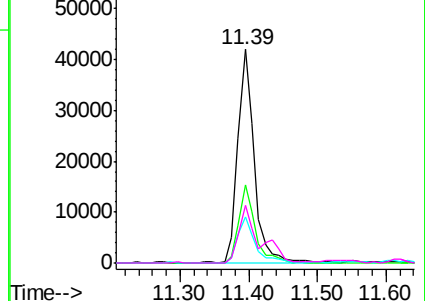


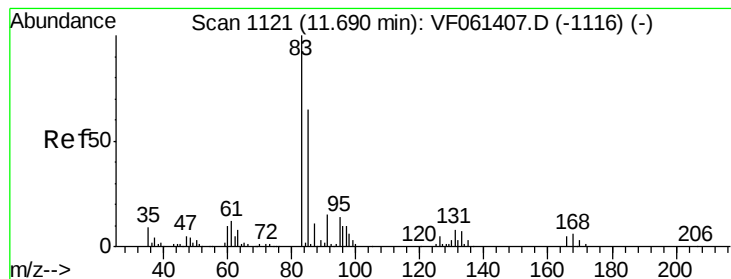
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.839 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. 0.03 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

ClientSampleId :

VF0124SBS01

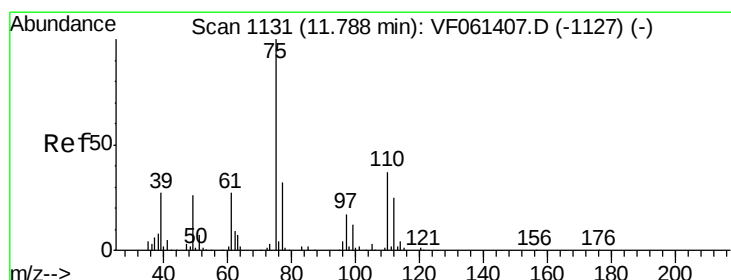
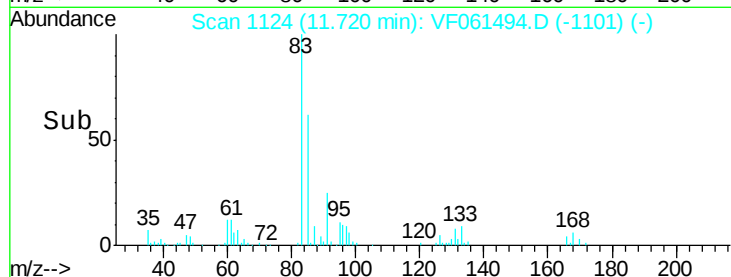
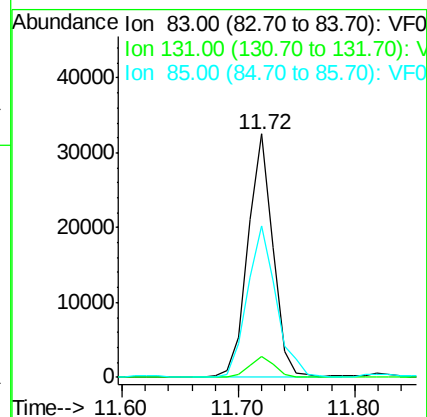
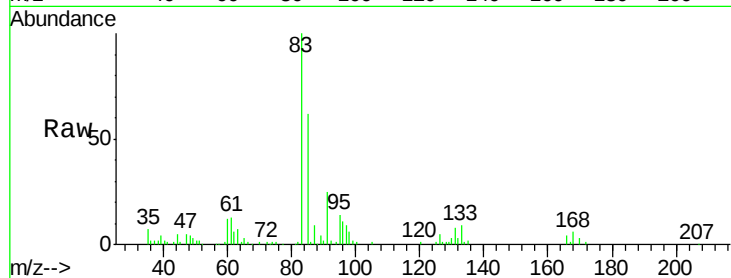
Tot Ion: 83 Resp: 48763

Ion Ratio Lower Upper

83 100

131 8.5 4.0 12.2

85 62.1 32.7 98.1



#76

1,2,3-Trichloropropane

Concen: 21.041 ug/l

RT: 11.82 min Scan# 1134

Delta R.T. 0.03 min

Lab File: VF061494.D

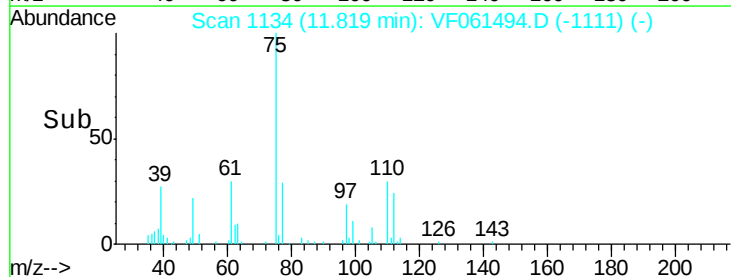
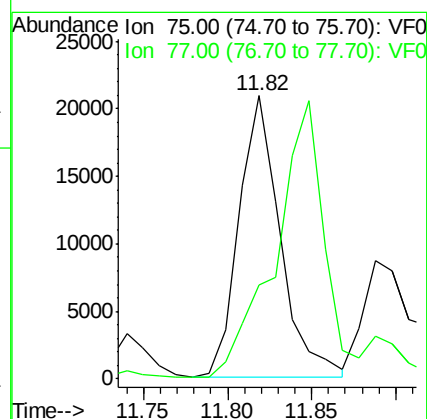
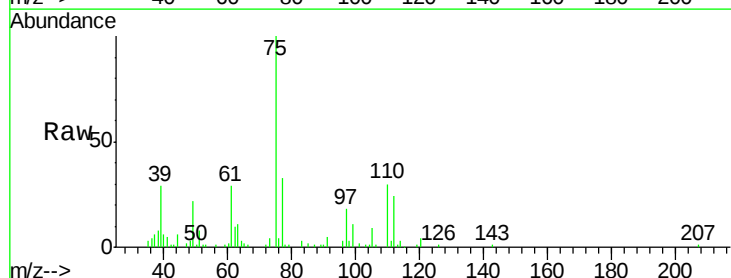
Acq: 24 Jan 2019 12:18

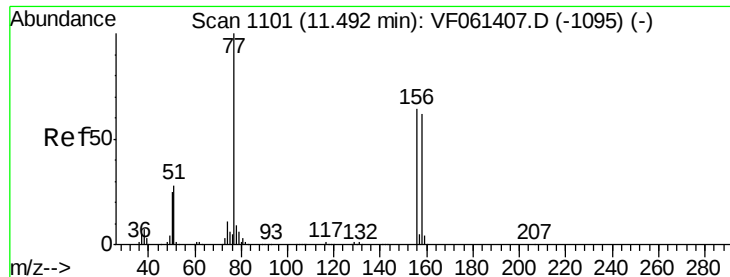
Tgt Ion: 75 Resp: 35378

Ion Ratio Lower Upper

75 100

77 33.1 16.1 48.3





#77

Bromobenzene

Concen: 20.207 ug/l

RT: 11.52 min Scan# 1104

Delta R.T. 0.03 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

ClientSampleId :

VF0124SBS01

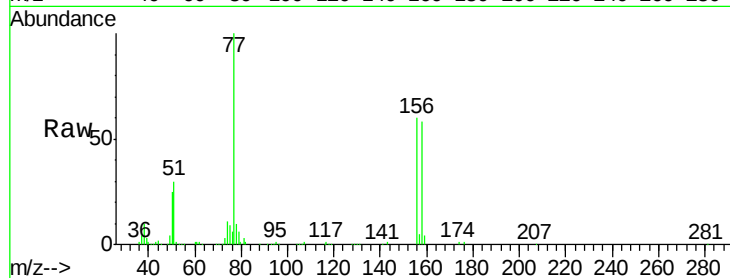
Tot Ion:156 Resp: 56054

Ion Ratio Lower Upper

156 100

77 167.0 78.3 234.9

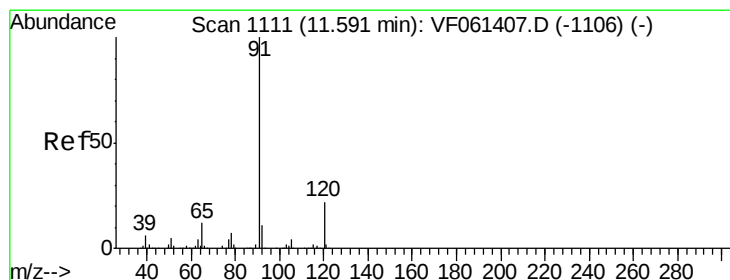
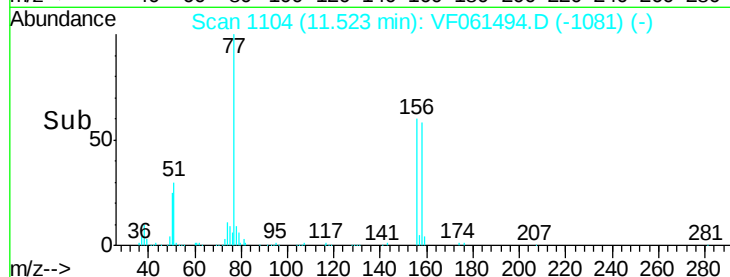
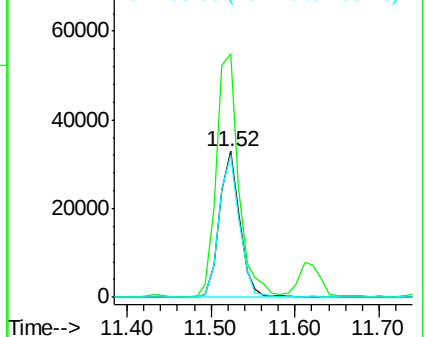
158 97.6 48.9 146.7



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 19.077 ug/l

RT: 11.62 min Scan# 1114

Delta R.T. 0.03 min

Lab File: VF061494.D

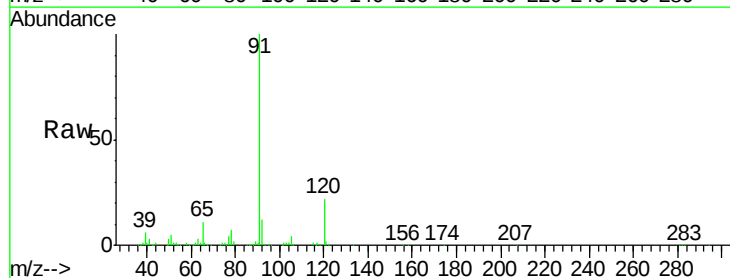
Acq: 24 Jan 2019 12:18

Tgt Ion: 91 Resp: 327054

Ion Ratio Lower Upper

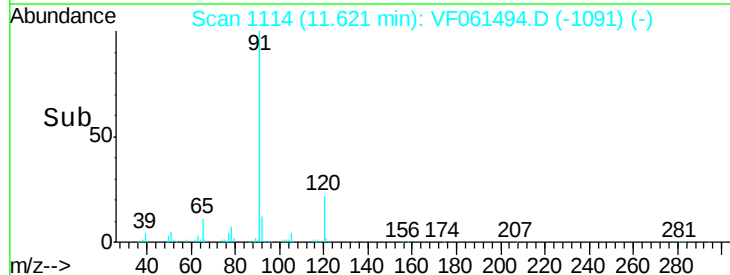
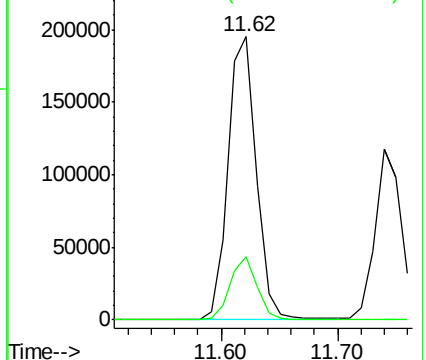
91 100

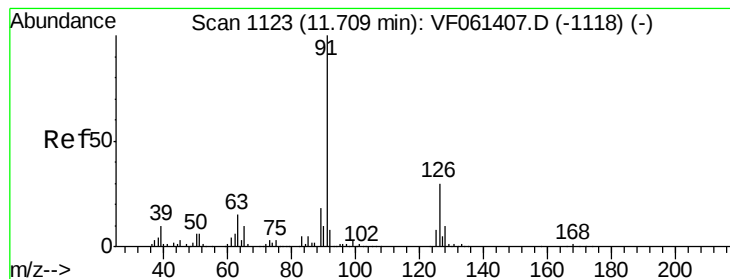
120 22.1 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.930 ug/l

RT: 11.74 min Scan# 1126

Delta R.T. 0.03 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

ClientSampleId :

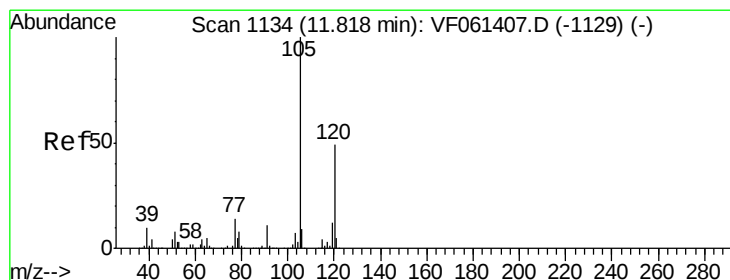
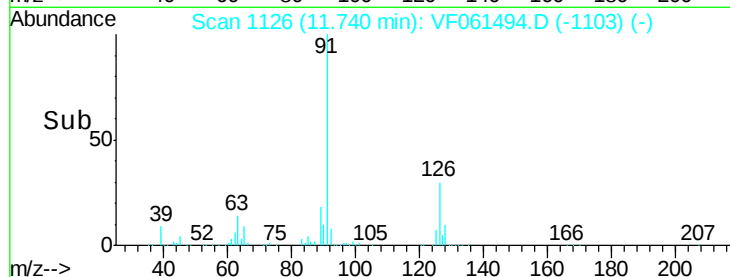
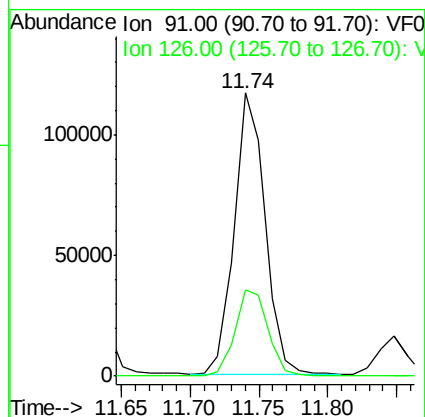
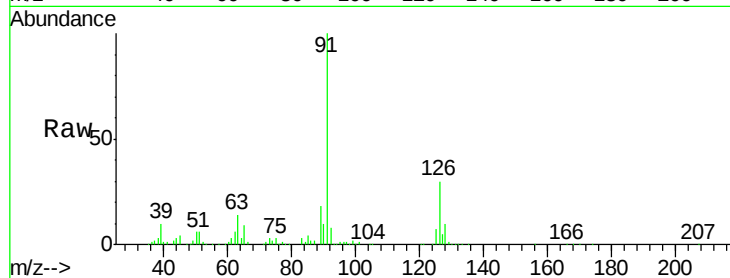
VF0124SBS01

Tot Ion: 91 Resp: 181633

Ion Ratio Lower Upper

91 100

126 30.3 15.0 45.1



#80

1,3,5-Trimethylbenzene

Concen: 21.250 ug/l

RT: 11.85 min Scan# 1137

Delta R.T. 0.03 min

Lab File: VF061494.D

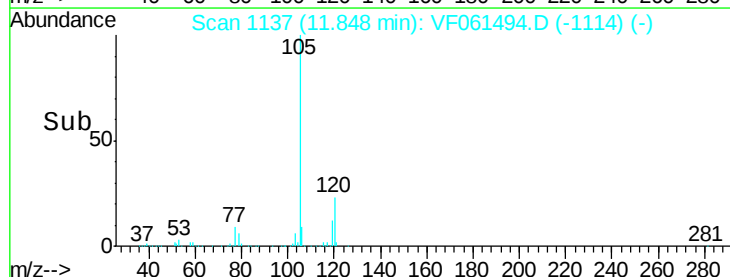
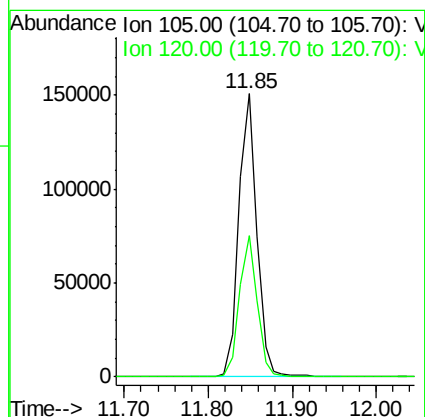
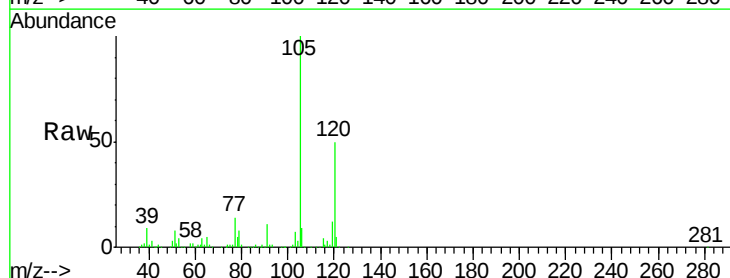
Acq: 24 Jan 2019 12:18

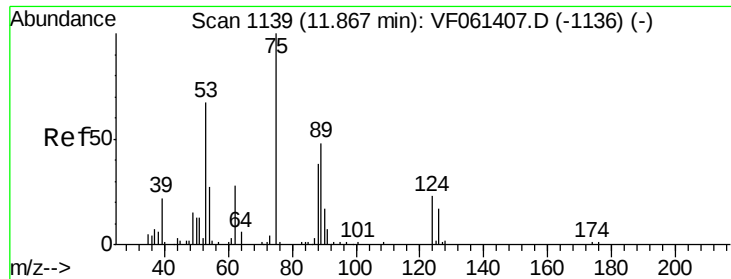
Tgt Ion:105 Resp: 225252

Ion Ratio Lower Upper

105 100

120 50.1 24.7 74.1

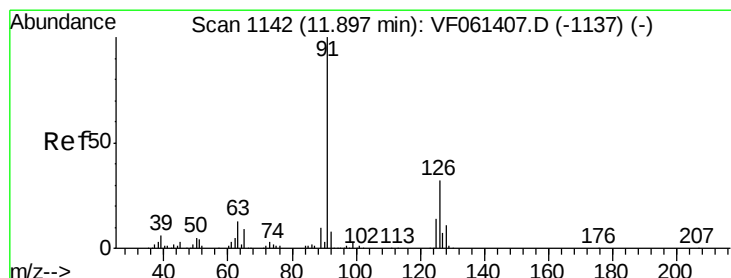
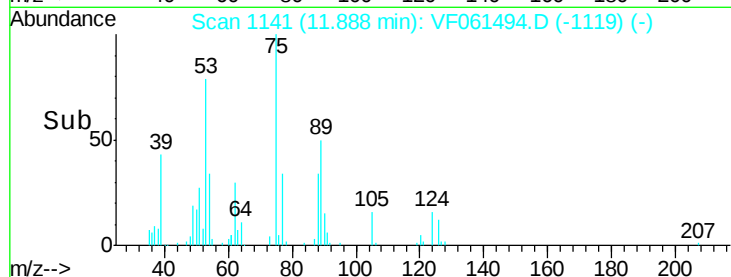
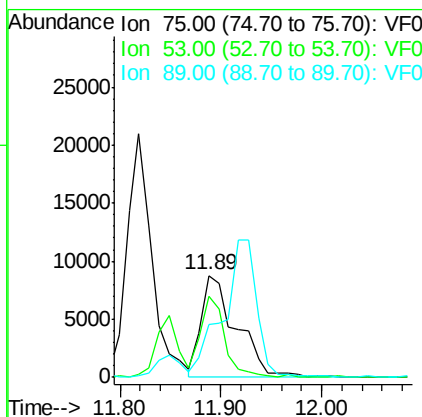
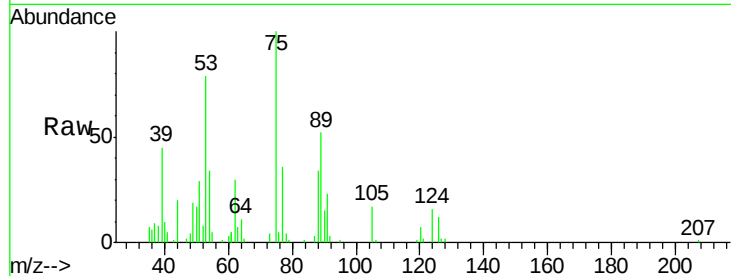




#81
trans-1,4-Dichloro-2-butene
Concen: 29.334 ug/l
RT: 11.89 min Scan# 1141
Delta R.T. 0.02 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

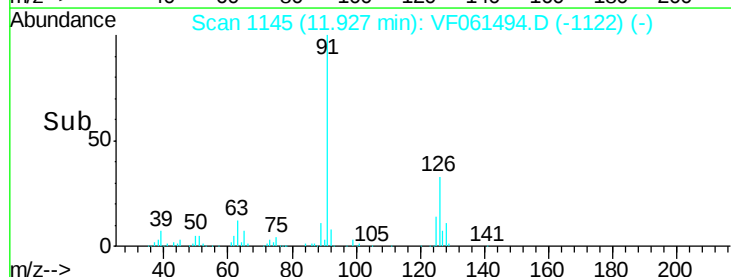
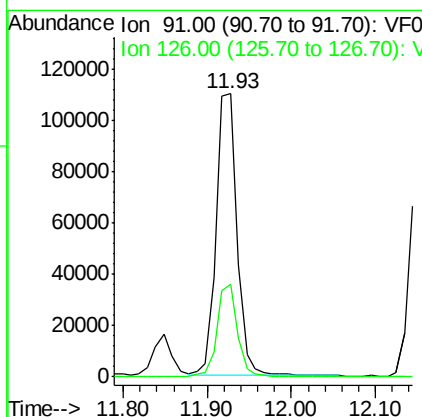
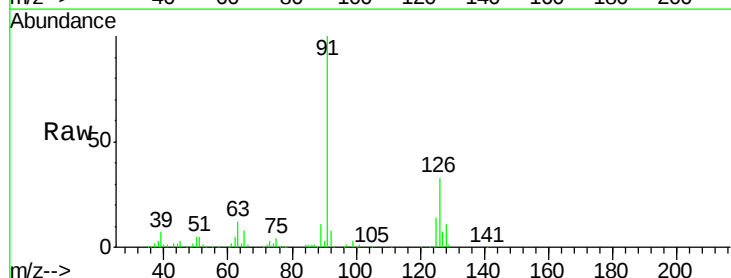
Instrument :
MSVOA_F
ClientSampleId :
VF0124SBS01

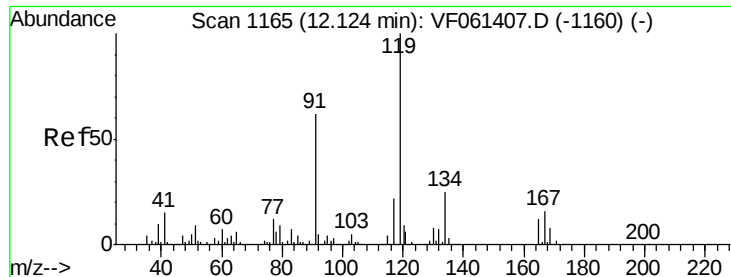
Tot Ion: 75 Resp: 21441
Ion Ratio Lower Upper
75 100
53 79.0 57.8 86.6
89 52.3 40.7 61.1



#82
4-Chlorotoluene
Concen: 20.625 ug/l
RT: 11.93 min Scan# 1145
Delta R.T. 0.03 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

Tgt Ion: 91 Resp: 189684
Ion Ratio Lower Upper
91 100
126 32.8 16.0 47.9

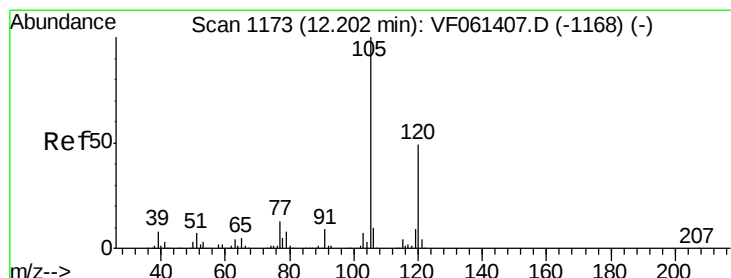
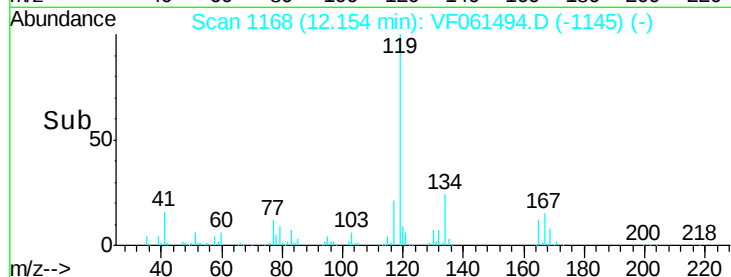
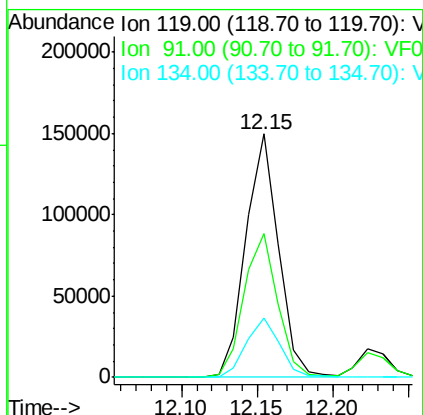
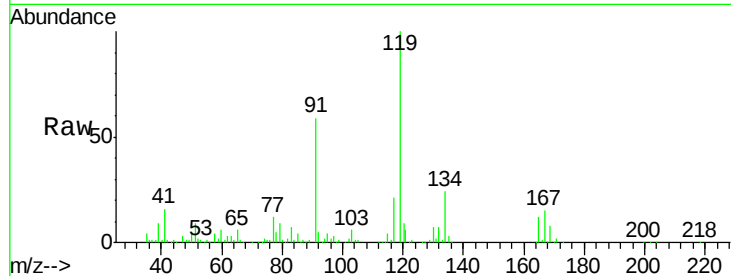




#83
tert-Butylbenzene
Concen: 20.586 ug/l
RT: 12.15 min Scan# 1168
Delta R.T. 0.03 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

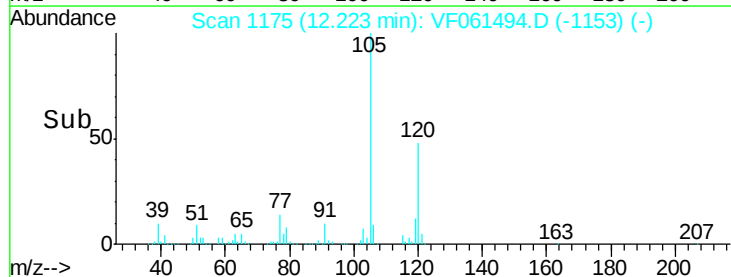
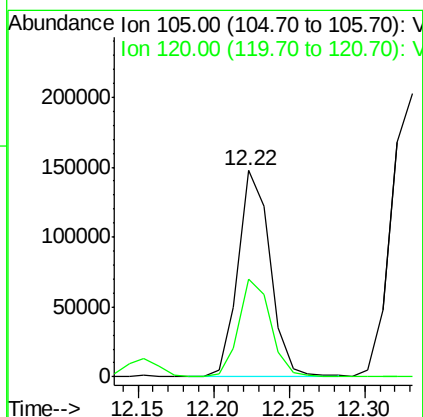
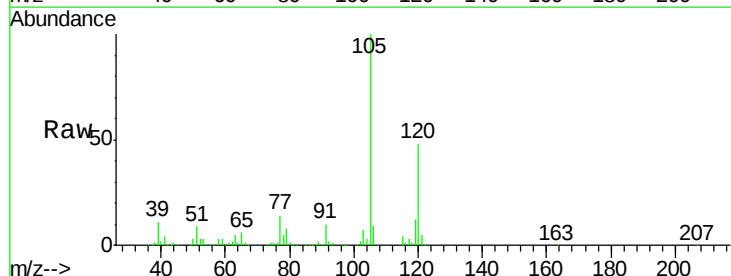
Instrument :
MSVOA_F
ClientSampleId :
VF0124SBS01

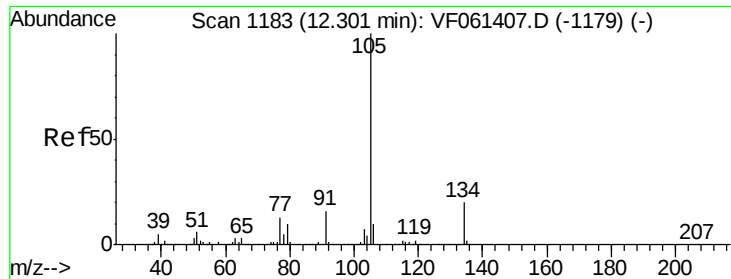
Tot Ion:119 Resp: 225864
Ion Ratio Lower Upper
119 100
91 59.2 31.3 93.8
134 24.4 12.4 37.0



#84
1,2,4-Trimethylbenzene
Concen: 19.994 ug/l
RT: 12.22 min Scan# 1175
Delta R.T. 0.02 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

Tgt Ion:105 Resp: 218308
Ion Ratio Lower Upper
105 100
120 47.7 24.9 74.6





#85

sec-Butylbenzene

Concen: 20.626 ug/l

RT: 12.33 min Scan# 1186

Delta R.T. 0.03 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

ClientSampleId :

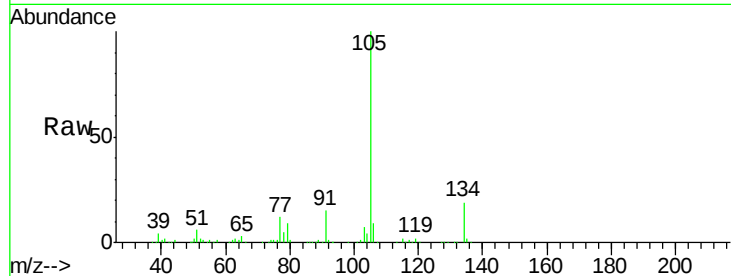
VF0124SBS01

Tot Ion:105 Resp: 307316

Ion Ratio Lower Upper

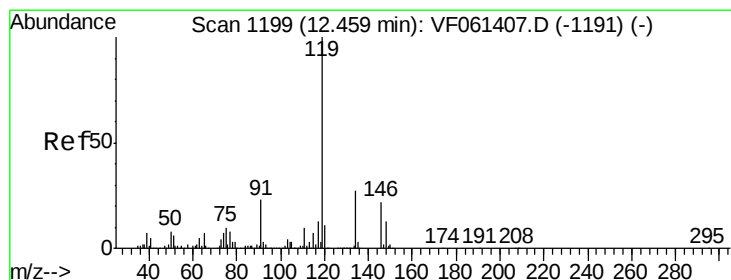
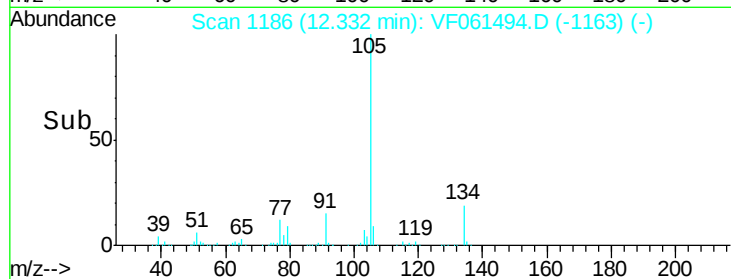
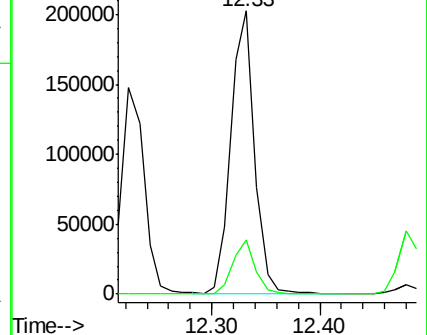
105 100

134 19.0 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.390 ug/l

RT: 12.48 min Scan# 1201

Delta R.T. 0.02 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

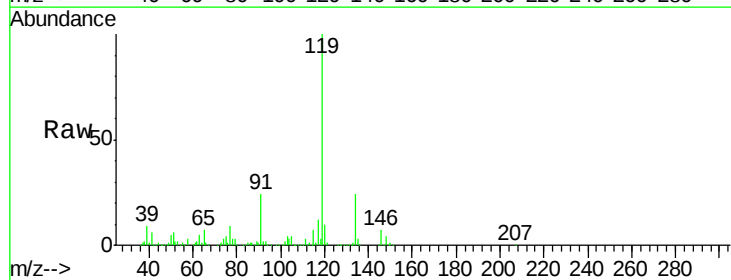
Tgt Ion:119 Resp: 261626

Ion Ratio Lower Upper

119 100

134 24.2 13.4 40.2

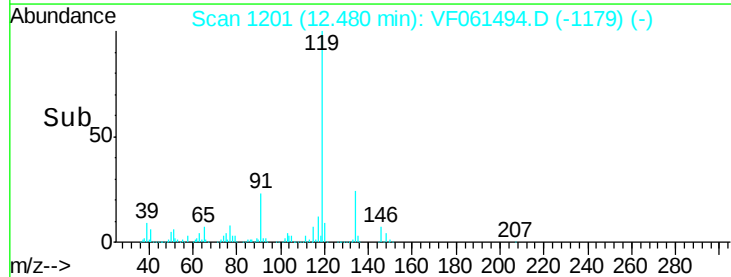
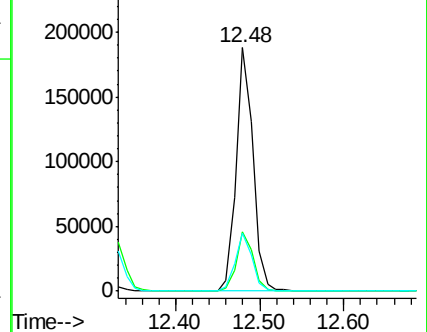
91 23.7 11.4 34.2

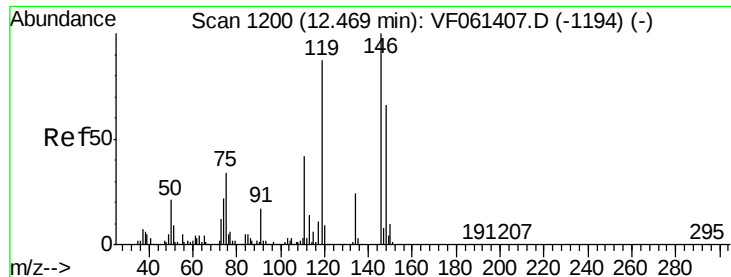


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

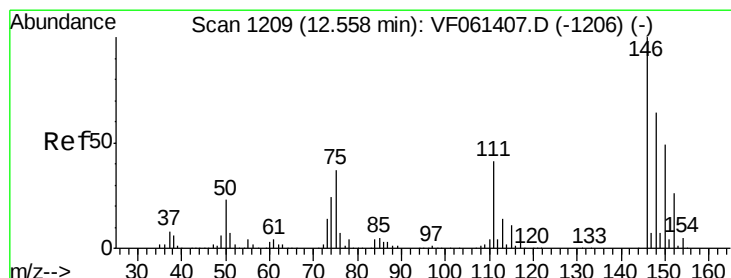
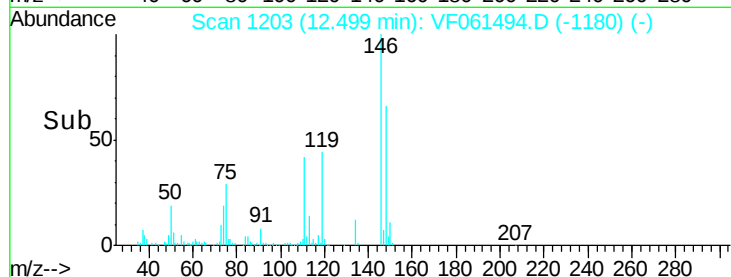
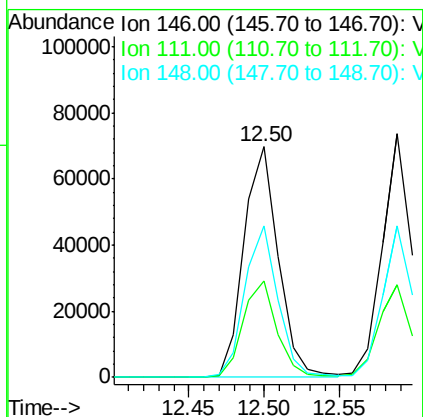
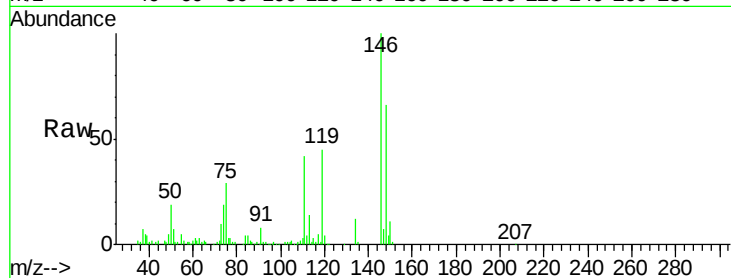




#87
 1,3-Dichlorobenzene
 Concen: 19.050 ug/l
 RT: 12.50 min Scan# 1203
 Delta R.T. 0.03 min
 Lab File: VF061494.D
 Acq: 24 Jan 2019 12:18

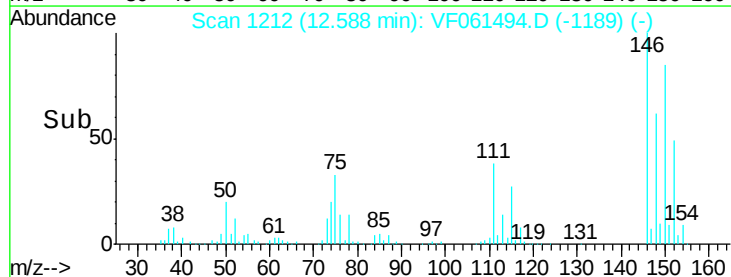
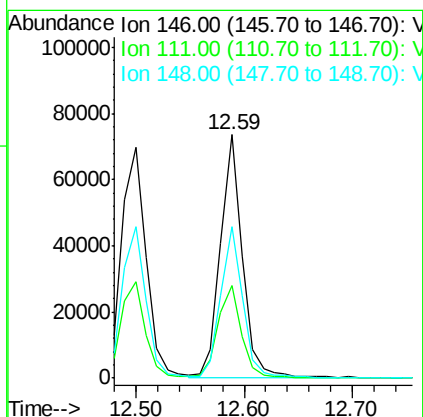
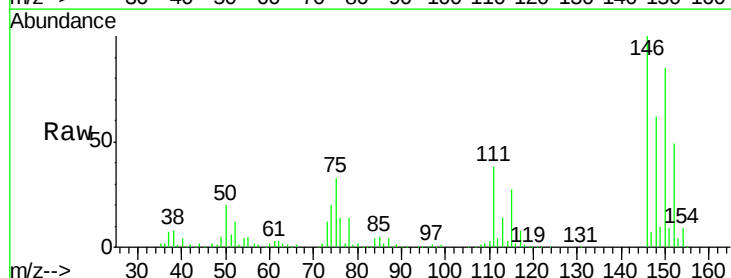
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0124SBS01

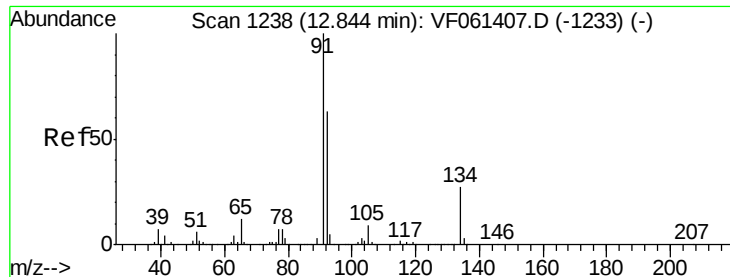
Tot Ion:146 Resp: 111152
 Ion Ratio Lower Upper
 146 100
 111 42.0 21.1 63.4
 148 65.8 32.9 98.6



#88
 1,4-Dichlorobenzene
 Concen: 19.830 ug/l
 RT: 12.59 min Scan# 1212
 Delta R.T. 0.03 min
 Lab File: VF061494.D
 Acq: 24 Jan 2019 12:18

Tgt Ion:146 Resp: 103947
 Ion Ratio Lower Upper
 146 100
 111 38.3 20.8 62.2
 148 62.2 32.1 96.5

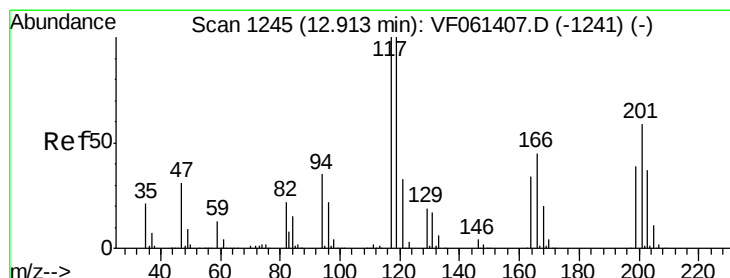
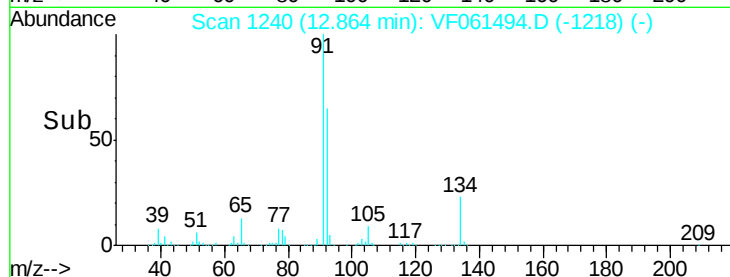
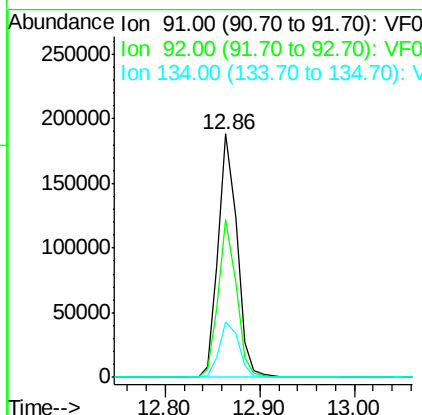
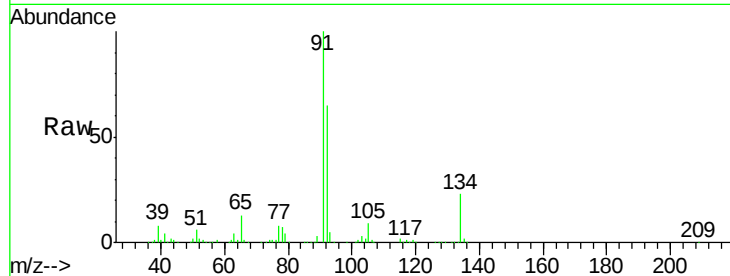




#89
n-Butylbenzene
Concen: 20.801 ug/l
RT: 12.86 min Scan# 1240
Delta R.T. 0.02 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

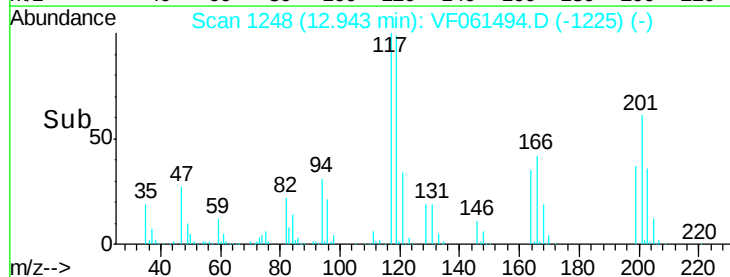
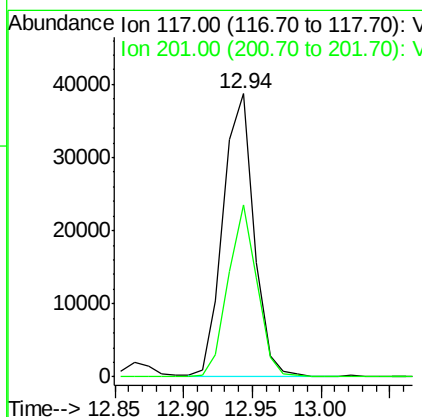
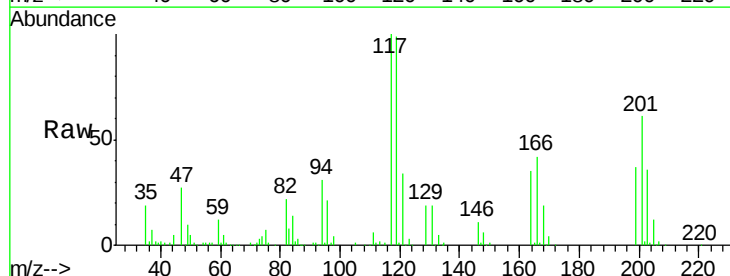
Instrument :
MSVOA_F
ClientSampleId :
VF0124SBS01

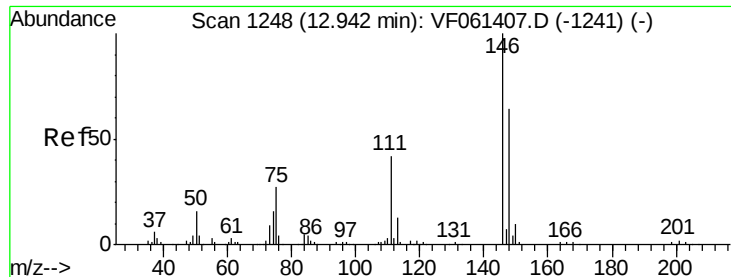
Tot Ion: 91 Resp: 262381
Ion Ratio Lower Upper
91 100
92 64.8 31.6 94.7
134 22.7 13.6 40.8



#90
Hexachloroethane
Concen: 21.055 ug/l
RT: 12.94 min Scan# 1248
Delta R.T. 0.03 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

Tgt Ion: 117 Resp: 60706
Ion Ratio Lower Upper
117 100
201 60.8 29.3 87.8





#91

1,2-Dichlorobenzene

Concen: 19.904 ug/l

RT: 12.96 min Scan# 1250

Delta R.T. 0.02 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

Instrument :

MSVOA_F

ClientSampleId :

VF0124SBS01

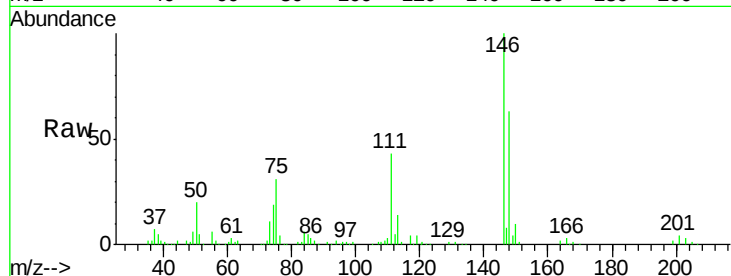
Tot Ion:146 Resp: 103290

Ion Ratio Lower Upper

146 100

111 43.3 21.1 63.3

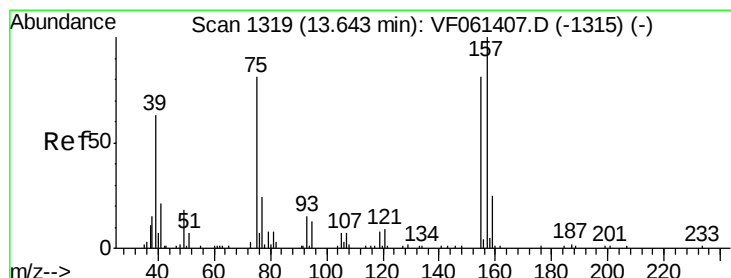
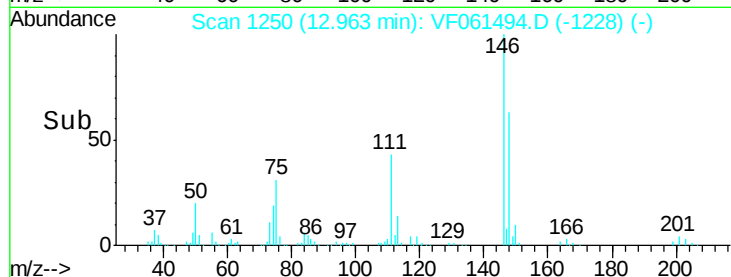
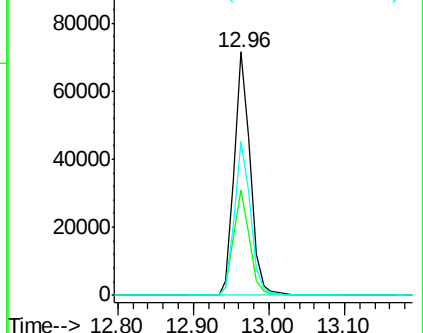
148 63.3 31.9 95.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.092 ug/l

RT: 13.66 min Scan# 1321

Delta R.T. 0.02 min

Lab File: VF061494.D

Acq: 24 Jan 2019 12:18

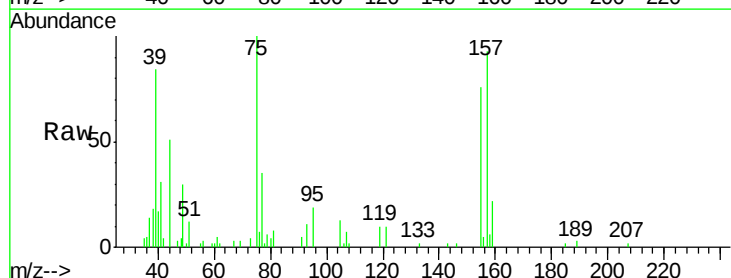
Tgt Ion: 75 Resp: 7924

Ion Ratio Lower Upper

75 100

155 75.8 49.7 149.1

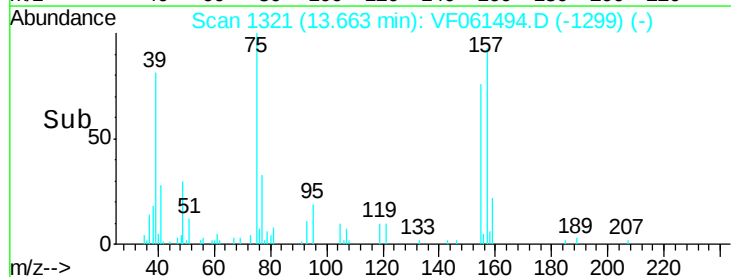
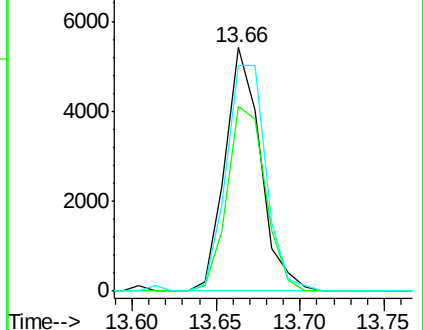
157 92.9 61.4 184.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

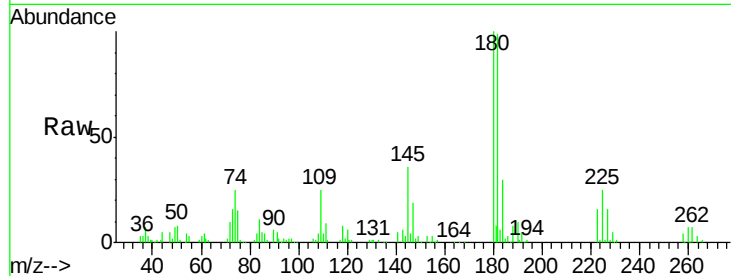




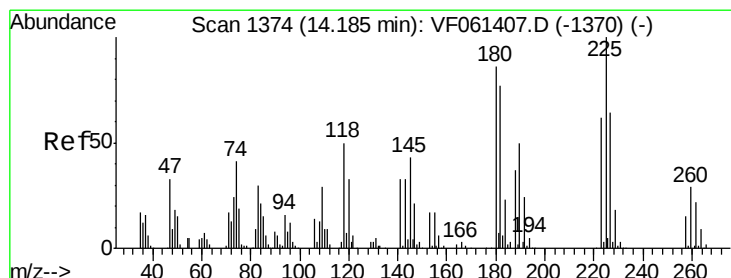
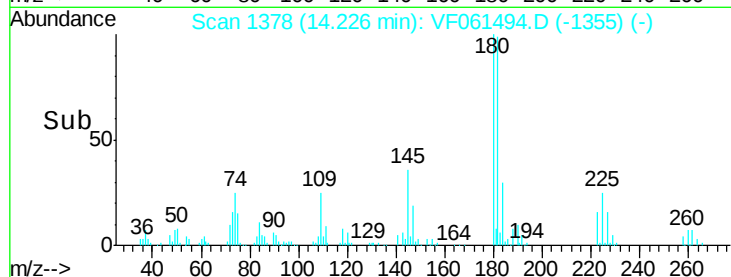
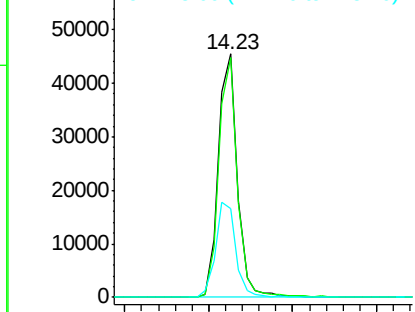
#93
 1,2,4-Trichlorobenzene
 Concen: 19.758 ug/l
 RT: 14.23 min Scan# 1378
 Delta R.T. 0.03 min
 Lab File: VF061494.D
 Acq: 24 Jan 2019 12:18

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0124SBS01

Tot Ion:180 Resp: 71826
 Ion Ratio Lower Upper
 180 100
 182 98.5 48.5 145.6
 145 36.4 17.5 52.6

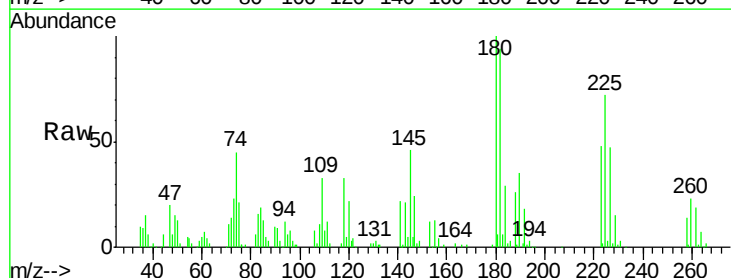


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

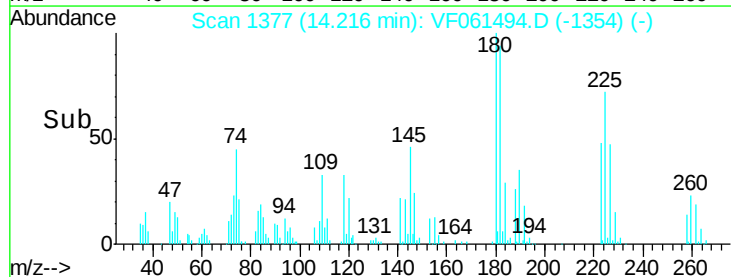
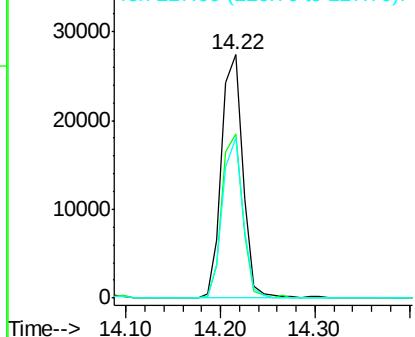


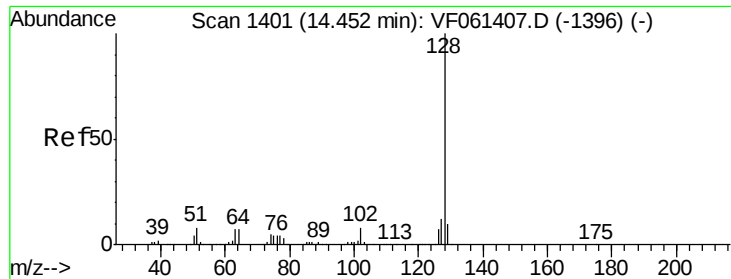
#94
 Hexachlorobutadiene
 Concen: 19.078 ug/l
 RT: 14.22 min Scan# 1377
 Delta R.T. 0.03 min
 Lab File: VF061494.D
 Acq: 24 Jan 2019 12:18

Tgt Ion:225 Resp: 43036
 Ion Ratio Lower Upper
 225 100
 223 67.3 31.1 93.2
 227 65.8 32.2 96.6



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

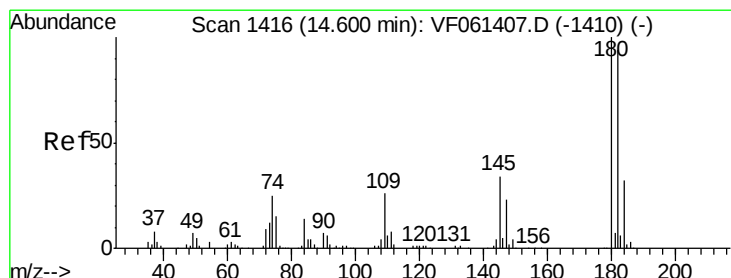
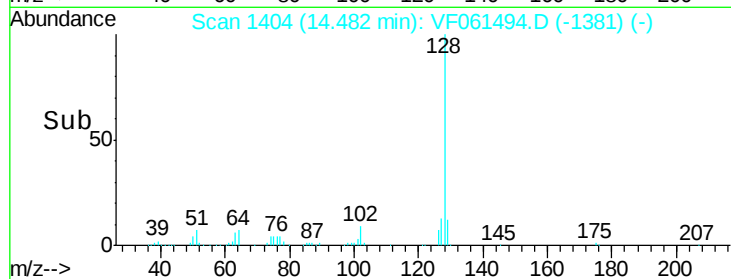
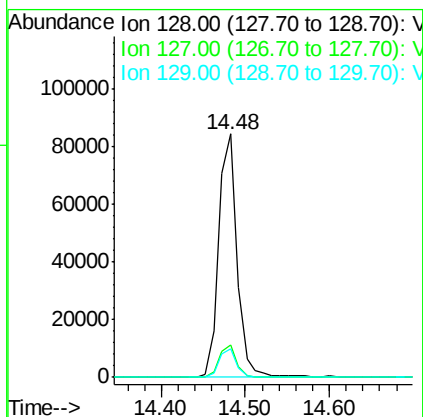
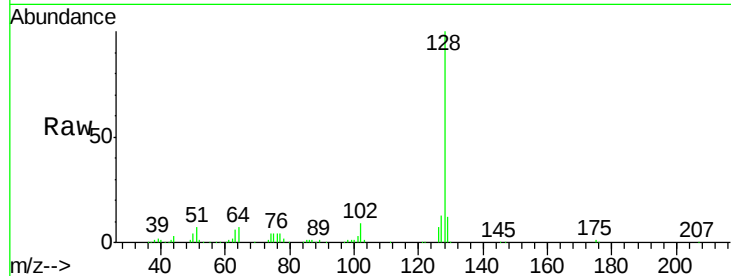




#95
Naphthalene
Concen: 18.667 ug/l
RT: 14.48 min Scan# 1404
Delta R.T. 0.03 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

Instrument :
MSVOA_F
ClientSampleId :
VF0124SBS01

Tot Ion:128 Resp: 128930
Ion Ratio Lower Upper
128 100
127 13.5 9.5 14.3
129 11.9 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 18.867 ug/l
RT: 14.62 min Scan# 1418
Delta R.T. 0.02 min
Lab File: VF061494.D
Acq: 24 Jan 2019 12:18

Tgt Ion:180 Resp: 63490
Ion Ratio Lower Upper
180 100
182 90.5 47.0 141.2
145 35.7 17.1 51.2

