

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030419\
 Data File : VF061828.D
 Acq On : 4 Mar 2019 19:24
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV030419

Quant Time: Mar 05 05:02:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:04:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	307777	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.60	114	448941	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	389189	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	204084	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	113899	50.47	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.94%	
35) Dibromofluoromethane	4.11	113	154195	46.25	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.50%	
50) Toluene-d8	7.56	98	490583	51.19	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.38%	
62) 4-Bromofluorobenzene	11.41	95	187744	48.41	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.97	85	177592	50.245	ug/l	96
3) Chloromethane	1.11	50	170668	46.021	ug/l	94
4) Vinyl Chloride	1.14	62	170938	49.583	ug/l	93
5) Bromomethane	1.33	94	116274	49.005	ug/l	94
6) Chloroethane	1.38	64	86945	51.176	ug/l	99
7) Trichlorofluoromethane	1.50	101	155083	37.297	ug/l	99
8) Diethyl Ether	1.64	74	46342	44.224	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.83	101	152207	50.741	ug/l #	93
10) Methyl Iodide	1.91	142	215552	37.618	ug/l	98
11) Tert butyl alcohol	2.58	59	31452	240.791	ug/l #	90
12) 1,1-Dichloroethene	1.80	96	138561	52.538	ug/l	93
13) Acrolein	2.00	56	43979	267.894	ug/l	97
14) Allyl chloride	2.10	41	150026	46.357	ug/l	98
15) Acrylonitrile	2.95	53	103794	224.026	ug/l	95
16) Acetone	2.24	43	112358	232.027	ug/l	95
17) Carbon Disulfide	1.85	76	298535	36.011	ug/l	99
18) Methyl Acetate	2.35	43	49923	45.764	ug/l	95
19) Methyl tert-butyl Ether	2.44	73	240194	53.290	ug/l	98
20) Methylene Chloride	2.18	84	48916	16.722	ug/l	94
21) trans-1,2-Dichloroethene	2.31	96	137187	47.850	ug/l	96
22) Diisopropyl ether	2.80	45	399222	51.390	ug/l	99
23) Vinyl Acetate	3.20	43	919183	242.249	ug/l	99
24) 1,1-Dichloroethane	2.87	63	237260	50.468	ug/l	98
25) 2-Butanone	4.34	43	230675	218.082	ug/l	97
26) 2,2-Dichloropropane	3.60	77	106489	53.476	ug/l	96
27) cis-1,2-Dichloroethene	3.48	96	180379	47.933	ug/l	96
28) Bromochloromethane	3.72	49	99380	44.057	ug/l	97
29) Tetrahydrofuran	4.08	42	101120	210.337	ug/l	98
30) Chloroform	3.87	83	262686	49.133	ug/l	98
31) Cyclohexane	3.69	56	239764	47.111	ug/l	100
32) 1,1,1-Trichloroethane	4.10	97	177546	50.695	ug/l	99
36) 1,1-Dichloropropene	4.28	75	220614	49.606	ug/l	93
37) Ethyl Acetate	4.11	43	89505	43.330	ug/l #	72
38) Carbon Tetrachloride	4.00	117	160723	52.337	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	260763	49.578	ug/l	97
40) Benzene	4.64	78	571781	49.153	ug/l	99
41) Methacrylonitrile	4.76	41	49671	47.020	ug/l	93
42) 1,2-Dichloroethane	4.94	62	144167	51.810	ug/l	98
43) Isopropyl Acetate	6.96	43	115449	47.216	ug/l #	100
44) Trichloroethene	5.50	130	171126	45.491	ug/l	94
45) 1,2-Dichloropropane	6.24	63	139968	49.778	ug/l	99
46) Dibromomethane	6.09	93	89797	51.868	ug/l	84
47) Bromodichloromethane	6.39	83	192098	50.669	ug/l	98
48) Methyl methacrylate	6.73	41	69781	47.424	ug/l	93
49) 1,4-Dioxane	6.71	88	13430	970.920	ug/l #	86
51) 4-Methyl-2-Pentanone	8.27	43	395022	226.101	ug/l	100
52) Toluene	7.62	92	359569	50.966	ug/l	94
53) t-1,3-Dichloropropene	8.29	75	158667	50.286	ug/l	96
54) cis-1,3-Dichloropropene	7.30	75	212812	50.635	ug/l	95
55) 1,1,2-Trichloroethane	8.49	97	96755	46.678	ug/l	95
56) Ethyl methacrylate	8.62	69	110732	47.982	ug/l	94
57) 1,3-Dichloropropane	8.86	76	162942	47.095	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.30	63	90157	226.423	ug/l	95
59) 2-Hexanone	9.50	43	281012	229.459	ug/l	98
60) Dibromochloromethane	8.72	129	145652	50.484	ug/l	98
61) 1,2-Dibromoethane	8.99	107	111212	49.466	ug/l	99
64) Tetrachloroethene	8.16	164	161103	50.643	ug/l	94
65) Chlorobenzene	9.80	112	388600	49.205	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.93	131	154916	50.059	ug/l	99
67) Ethyl Benzene	9.90	91	673085	51.249	ug/l	99
68) m/p-Xylenes	10.13	106	489048	97.296	ug/l	99
69) o-Xylene	10.71	106	270538	50.441	ug/l	88
70) Styrene	10.79	104	356495	46.985	ug/l	97
71) Bromoform	10.77	173	78925	46.967	ug/l	98
73) Isopropylbenzene	11.13	105	755107	51.967	ug/l	99
74) N-amyl acetate	11.37	43	176145	50.505	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.70	83	127904	49.134	ug/l	95
76) 1,2,3-Trichloropropane	11.80	75	86325	48.775	ug/l	98
77) Bromobenzene	11.50	156	179529	50.013	ug/l	98
78) n-propylbenzene	11.60	91	849346	50.938	ug/l	99
79) 2-Chlorotoluene	11.72	91	494441	52.948	ug/l	91
80) 1,3,5-Trimethylbenzene	11.83	105	612976	52.782	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.87	75	52917	62.366	ug/l	93
82) 4-Chlorotoluene	11.90	91	481470	49.674	ug/l	100
83) tert-Butylbenzene	12.13	119	663866	51.611	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	573925	49.744	ug/l	100
85) sec-Butylbenzene	12.31	105	841396	50.583	ug/l	100
86) p-Isopropyltoluene	12.46	119	713054	51.079	ug/l	98
87) 1,3-Dichlorobenzene	12.48	146	338334	48.347	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	333650	49.575	ug/l	98
89) n-Butylbenzene	12.84	91	635922	48.242	ug/l	98
90) Hexachloroethane	12.92	117	173962	53.582	ug/l	99
91) 1,2-Dichlorobenzene	12.94	146	312651	46.971	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	20710	50.178	ug/l	92

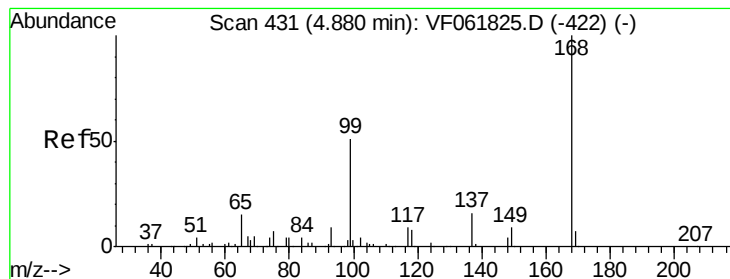
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF030419\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	222654	46.667	ug/l	99
94) Hexachlorobutadiene	14.19	225	154889	52.565	ug/l	99
95) Naphthalene	14.46	128	421274	50.467	ug/l	98
96) 1,2,3-Trichlorobenzene	14.61	180	212060	48.425	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

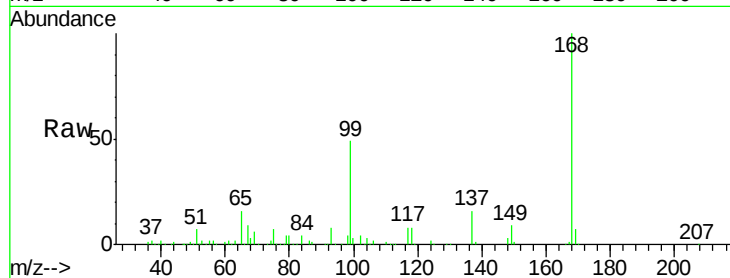
ICVVF030419

Tot Ion:168 Resp: 307777

Ion Ratio Lower Upper

168 100

99 49.2 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

100000

80000

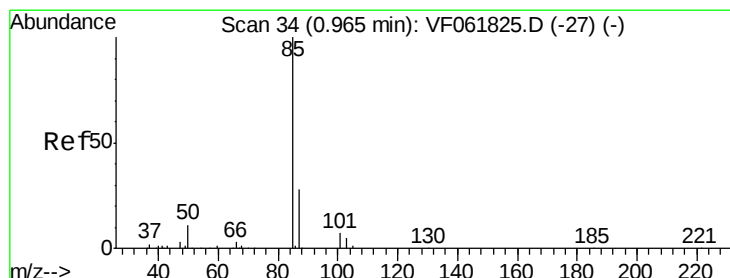
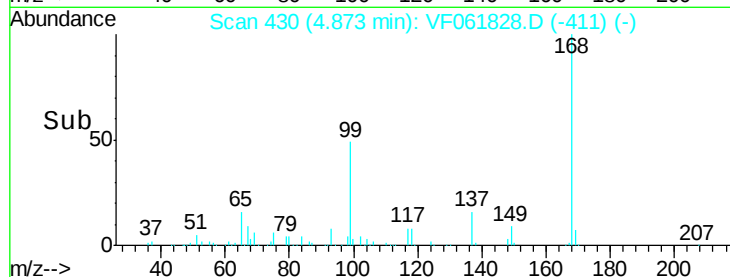
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.245 ug/l

RT: 0.97 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF061828.D

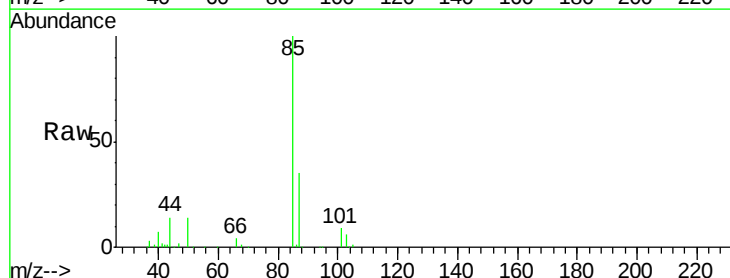
Acq: 4 Mar 2019 19:24

Tgt Ion: 85 Resp: 177592

Ion Ratio Lower Upper

85 100

87 34.6 16.1 48.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

60000

50000

40000

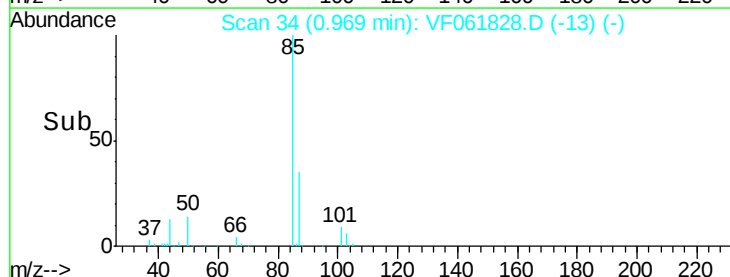
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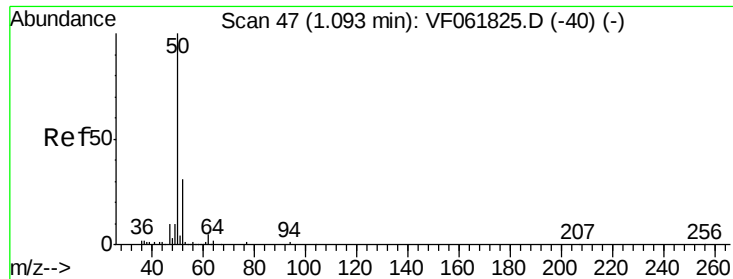
20000

10000

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Time-->





#3

Chloromethane

Concen: 46.021 ug/l

RT: 1.11 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

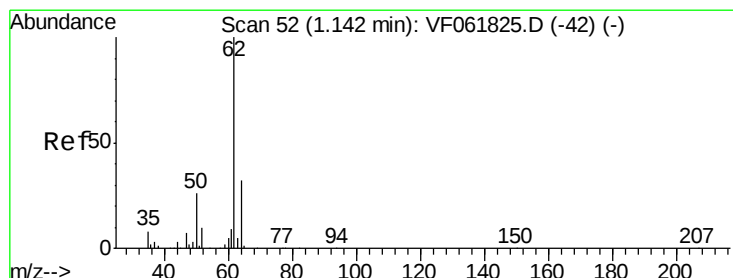
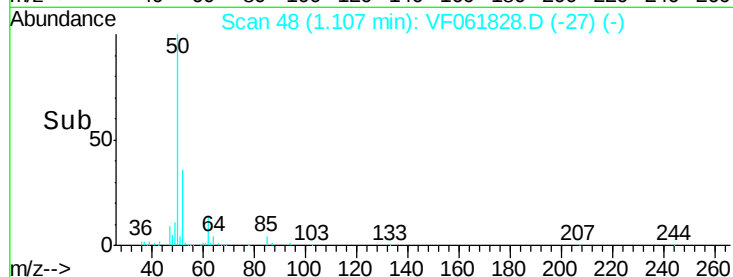
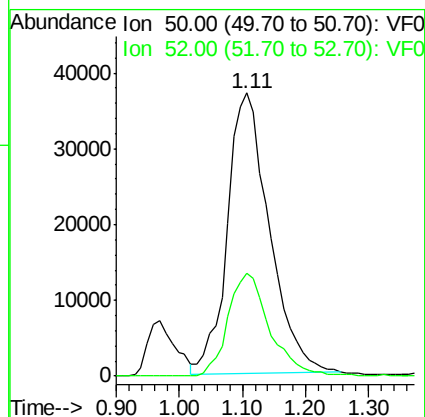
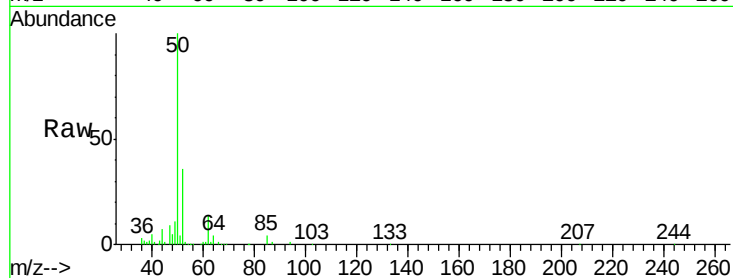
ICVVF030419

Tot Ion: 50 Resp: 170668

Ion Ratio Lower Upper

50 100

52 36.2 26.2 39.4



#4

Vinyl Chloride

Concen: 49.583 ug/l

RT: 1.14 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF061828.D

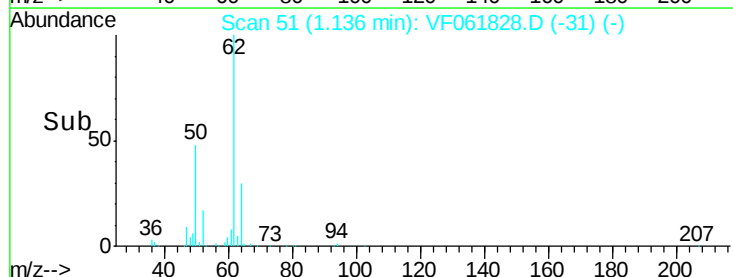
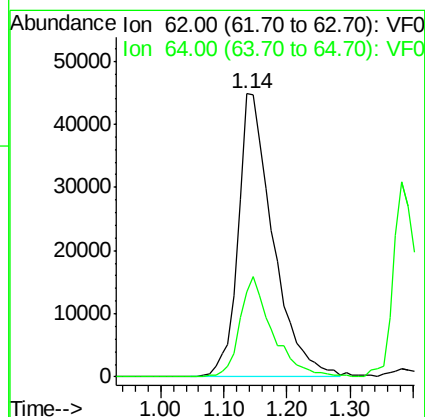
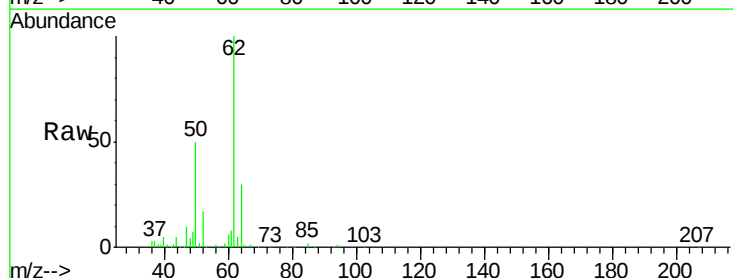
Acq: 4 Mar 2019 19:24

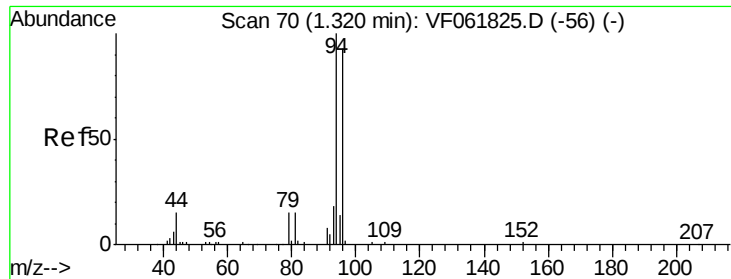
Tgt Ion: 62 Resp: 170938

Ion Ratio Lower Upper

62 100

64 30.1 27.5 41.3





#5

Bromomethane

Concen: 49.005 ug/l

RT: 1.33 min Scan# 71

Delta R.T. 0.02 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

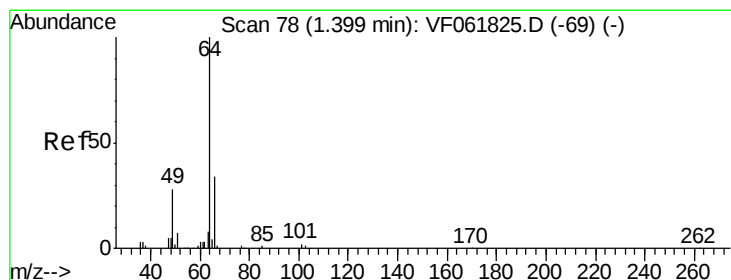
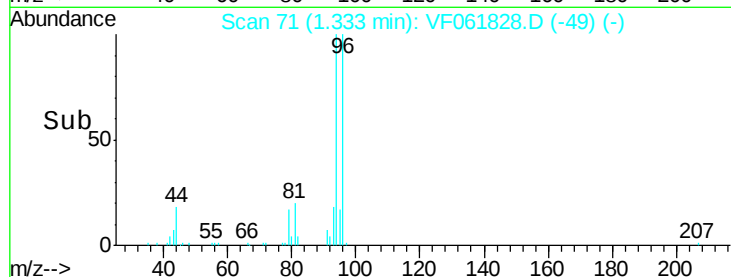
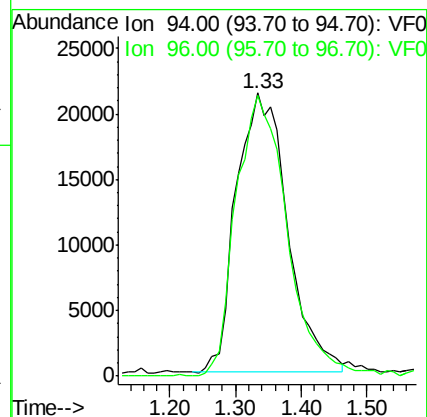
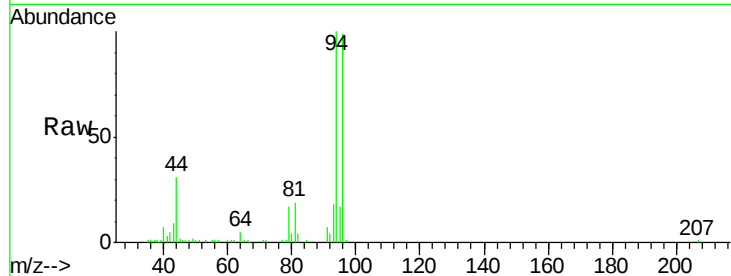
ICVVF030419

Tot Ion: 94 Resp: 116274

Ion Ratio Lower Upper

94 100

96 99.1 74.6 112.0



#6

Chloroethane

Concen: 51.176 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061828.D

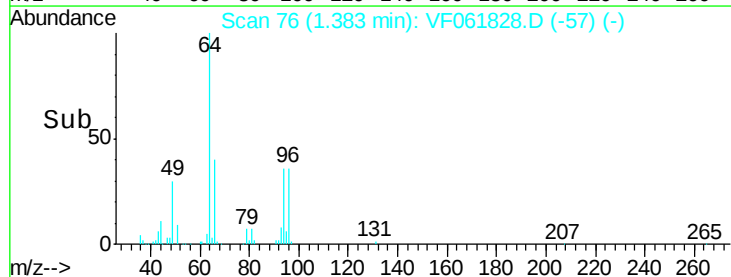
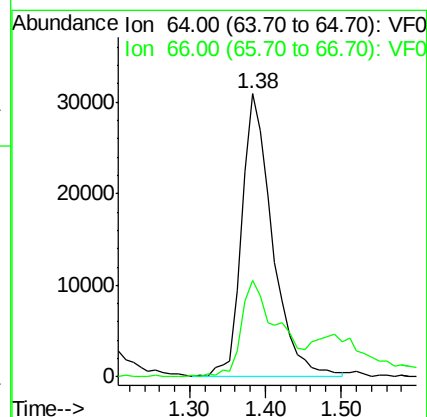
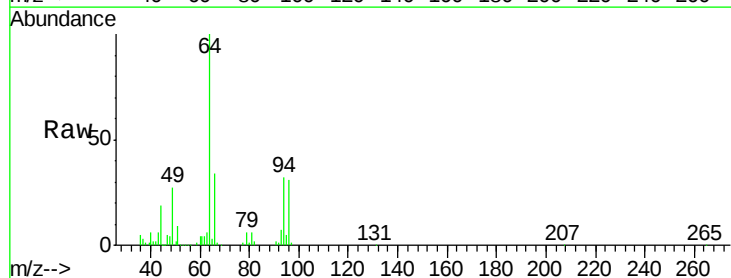
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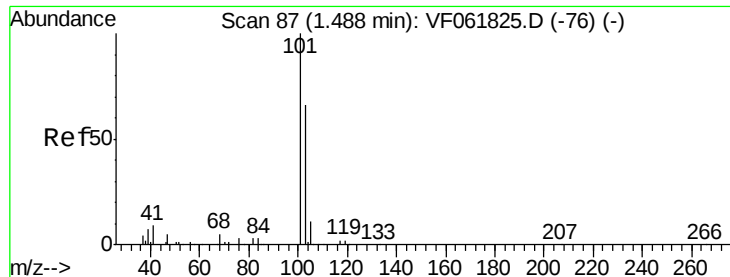
Tgt Ion: 64 Resp: 86945

Ion Ratio Lower Upper

64 100

66 34.3 27.9 41.9



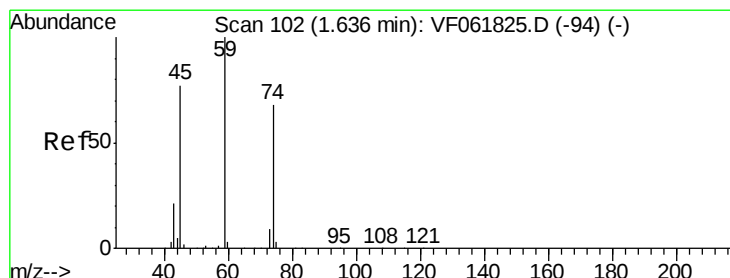
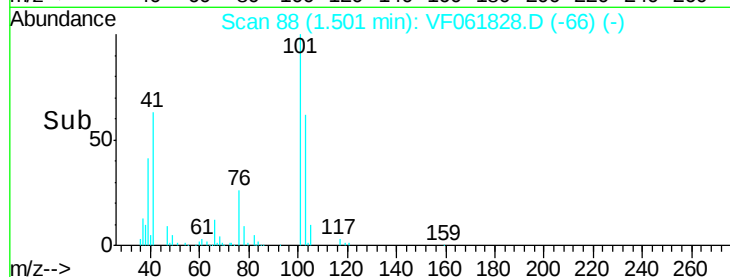
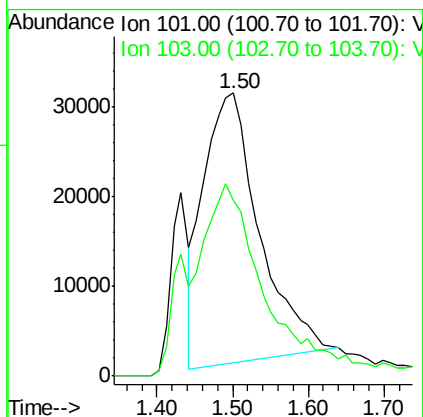
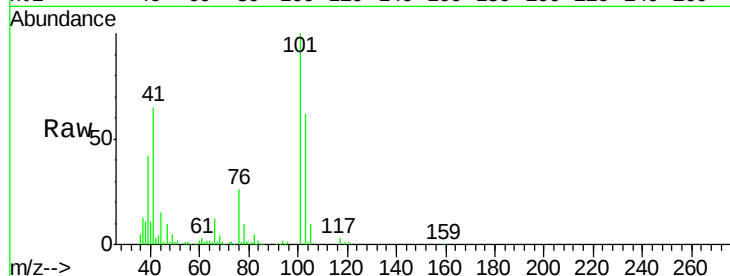


#7

Trichlorofluoromethane
Concen: 37.297 ug/l
RT: 1.50 min Scan# 88
Delta R.T. 0.02 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

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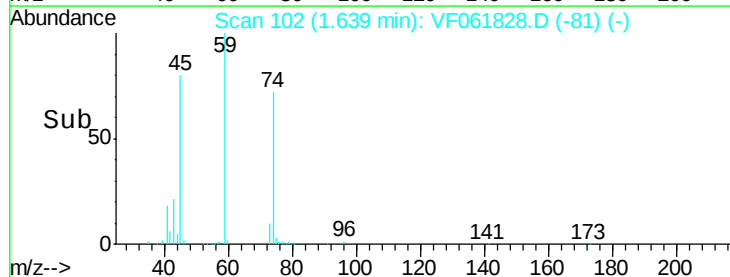
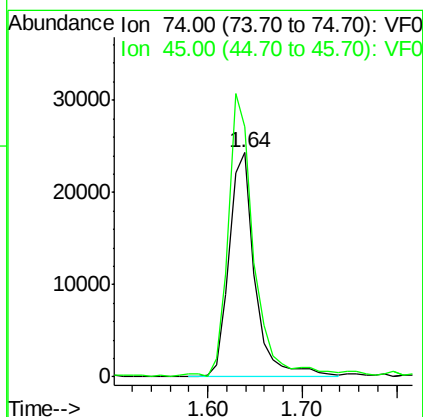
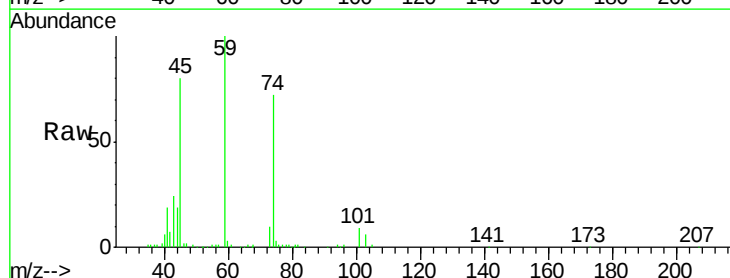
Tot Ion:101 Resp: 155083
Ion Ratio Lower Upper
101 100
103 62.1 49.3 73.9

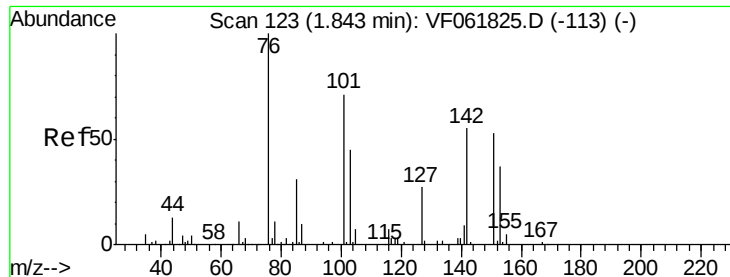


#8

Diethyl Ether
Concen: 44.224 ug/l
RT: 1.64 min Scan# 102
Delta R.T. 0.01 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Tgt Ion: 74 Resp: 46342
Ion Ratio Lower Upper
74 100
45 111.7 60.8 182.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.741 ug/l

RT: 1.83 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

ICVVF030419

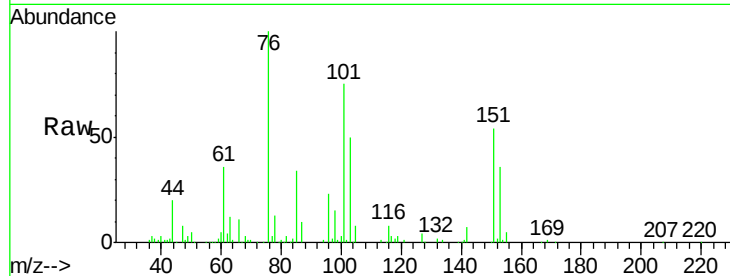
Tot Ion:101 Resp: 152207

Ion Ratio Lower Upper

101 100

85 45.7 29.8 44.6#

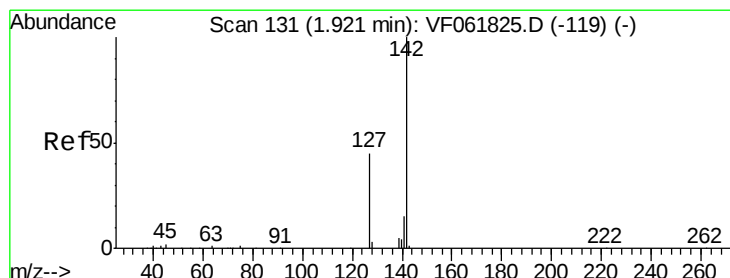
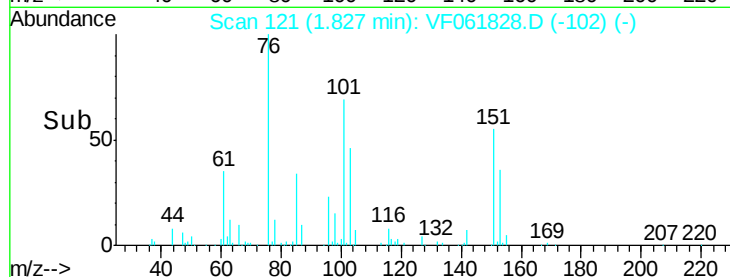
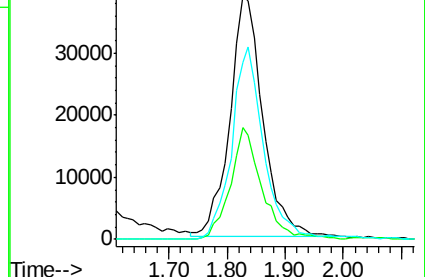
151 72.8 56.3 84.5



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: 37.618 ug/l

RT: 1.91 min Scan# 129

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

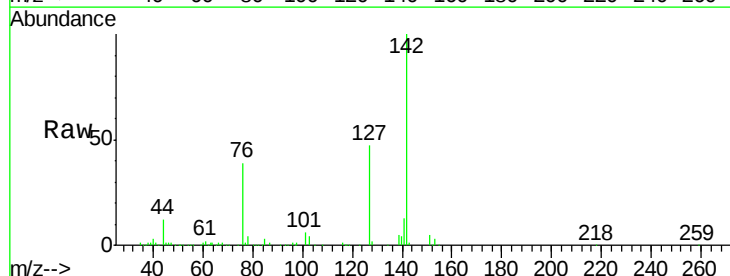
Tgt Ion:142 Resp: 215552

Ion Ratio Lower Upper

142 100

127 46.9 36.6 55.0

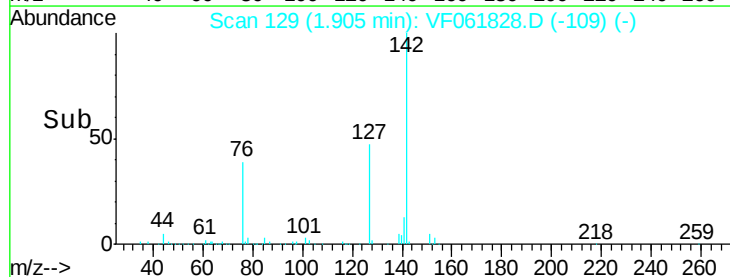
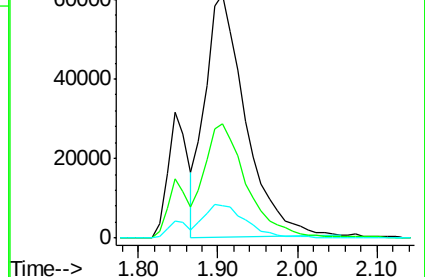
141 13.1 11.0 16.6

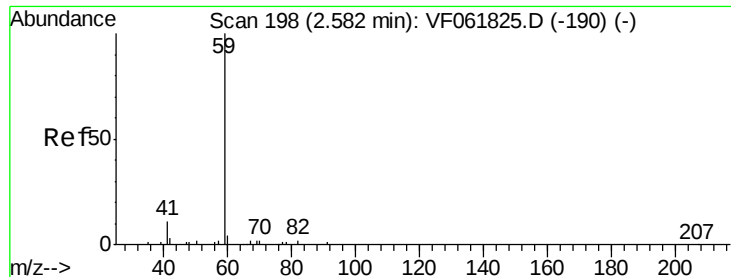


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



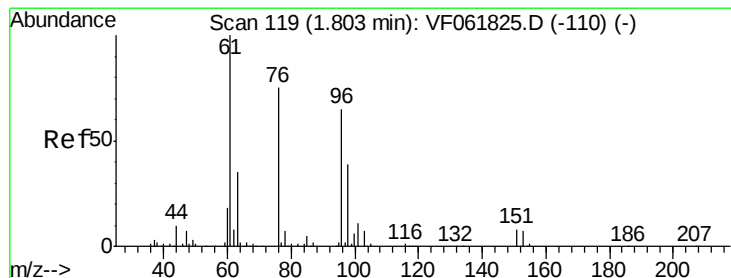
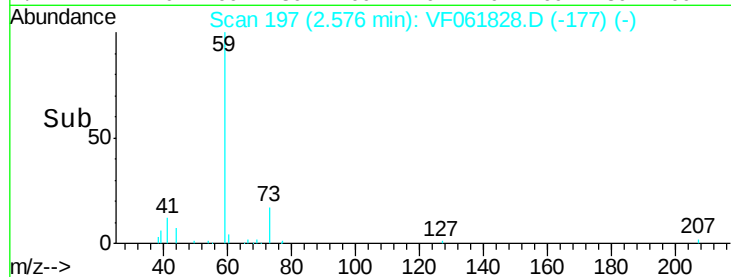
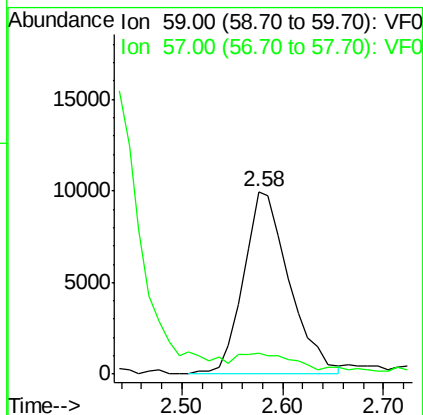
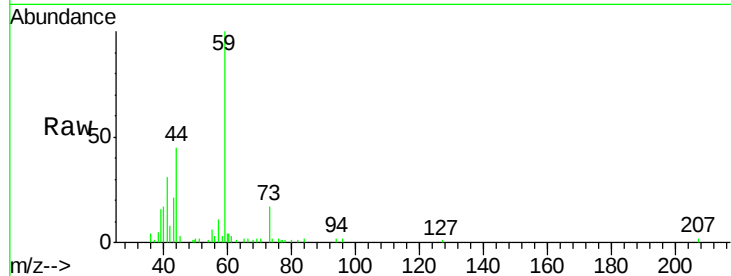


#11

Tert butyl alcohol
Concen: 240.791 ug/l
RT: 2.58 min Scan# 197
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Instrument :
MSVOA_F
ClientSampleId :
ICVVF030419

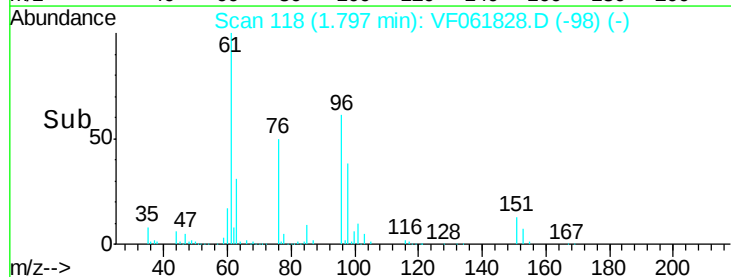
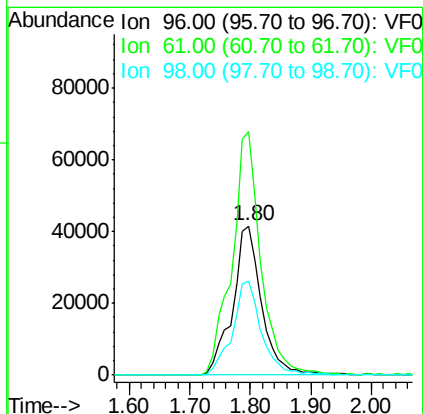
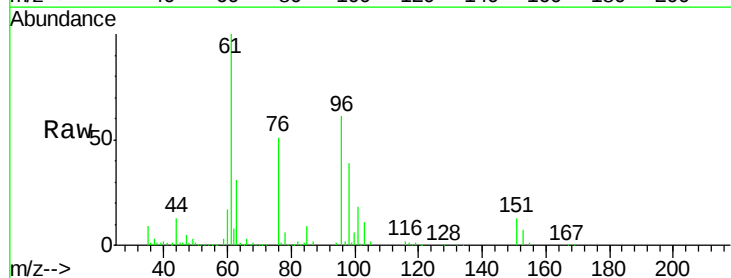
Tot Ion: 59 Resp: 31452
Ion Ratio Lower Upper
59 100
57 11.2 12.5 18.7#

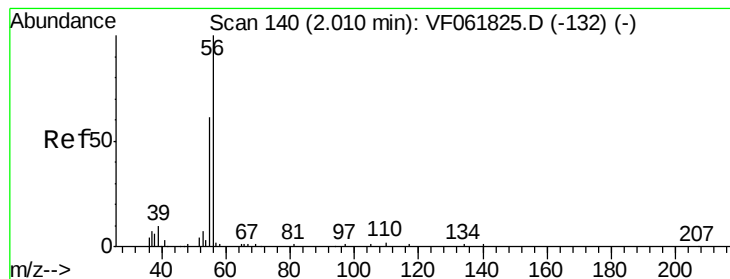


#12

1,1-Dichloroethene
Concen: 52.538 ug/l
RT: 1.80 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Tgt Ion: 96 Resp: 138561
Ion Ratio Lower Upper
96 100
61 163.5 122.6 184.0
98 63.0 47.2 70.8





#13

Acrolein

Concen: 267.894 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

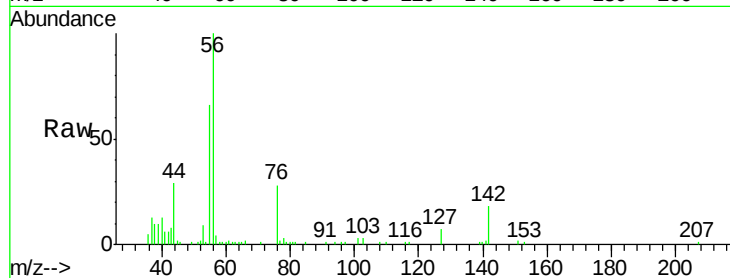
ICVVF030419

Tot Ion: 56 Resp: 43979

Ion Ratio Lower Upper

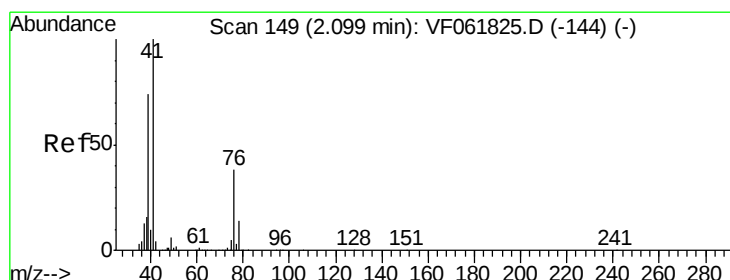
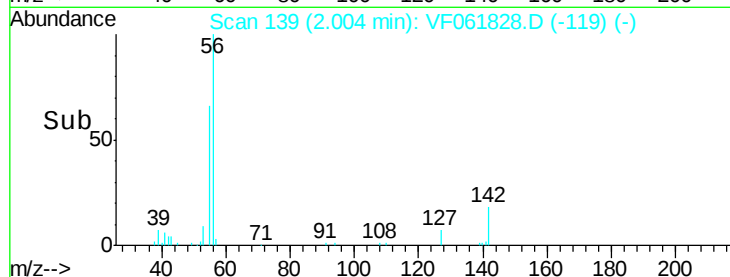
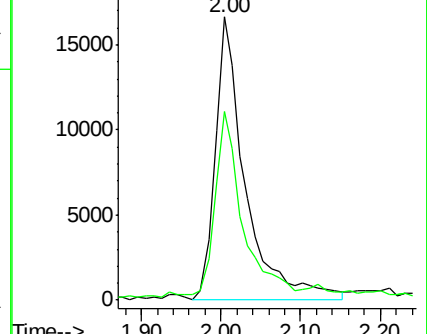
56 100

55 66.5 55.0 82.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 46.357 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.01 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

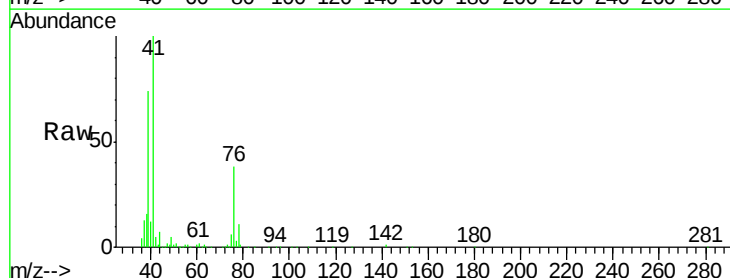
Tgt Ion: 41 Resp: 150026

Ion Ratio Lower Upper

41 100

39 74.2 61.6 92.4

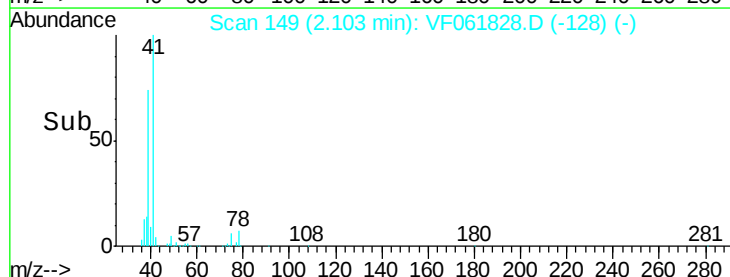
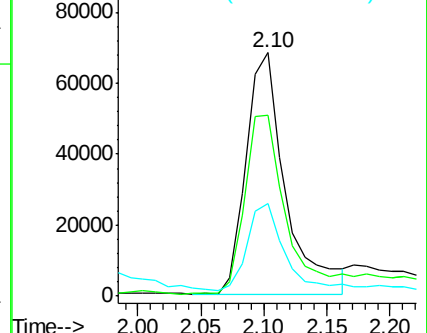
76 38.0 30.3 45.5

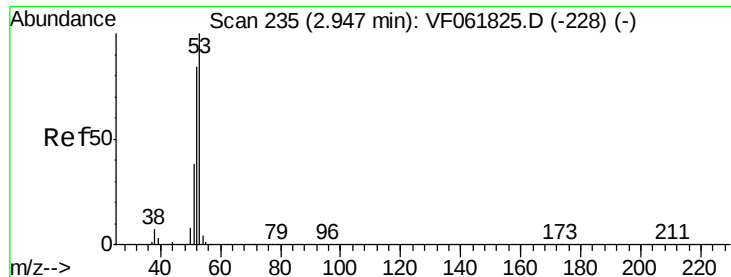


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 224.026 ug/l

RT: 2.95 min Scan# 235

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

ICVVF030419

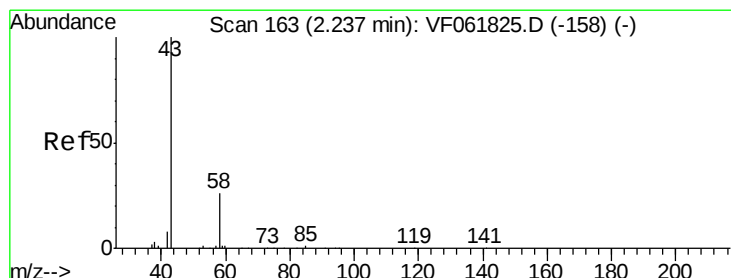
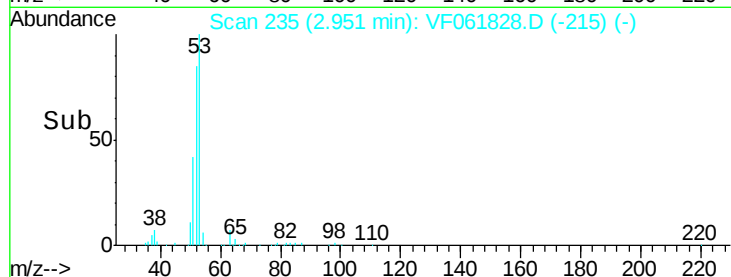
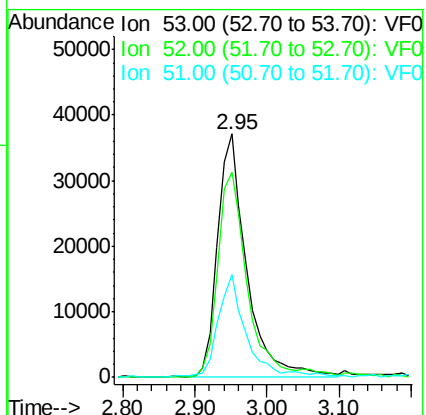
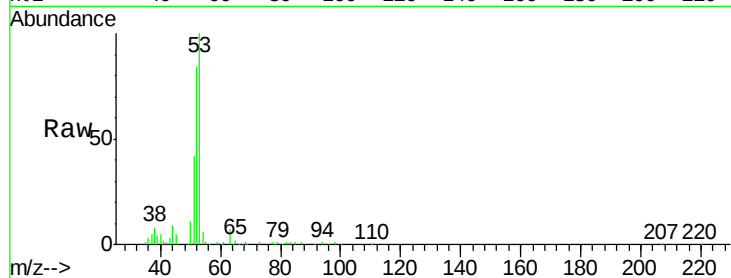
Tot Ion: 53 Resp: 103794

Ion Ratio Lower Upper

53 100

52 84.4 64.6 97.0

51 42.0 29.8 44.8



#16

Acetone

Concen: 232.027 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.00 min

Lab File: VF061828.D

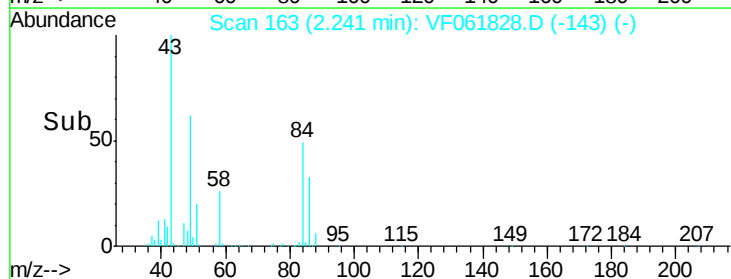
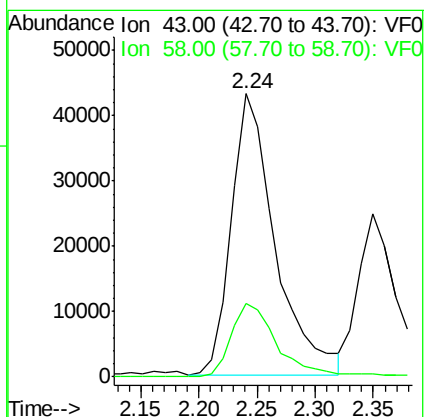
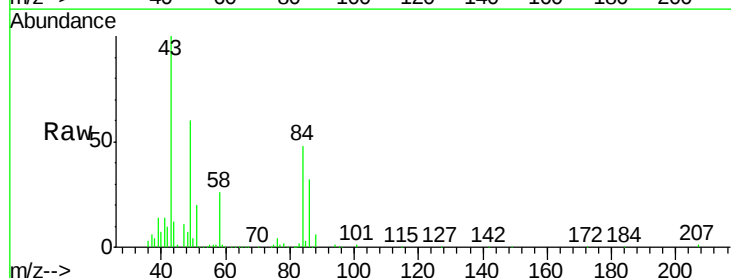
Acq: 4 Mar 2019 19:24

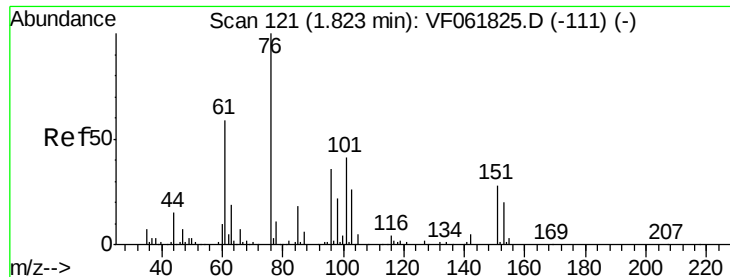
Tgt Ion: 43 Resp: 112358

Ion Ratio Lower Upper

43 100

58 26.1 22.9 34.3

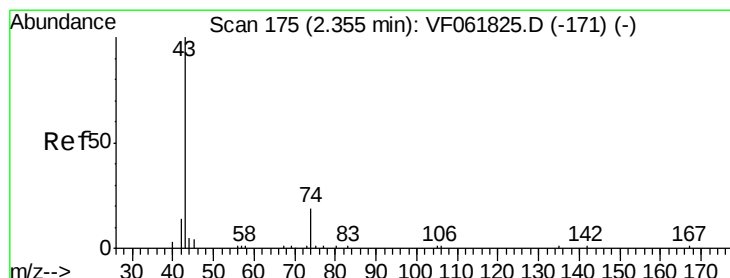
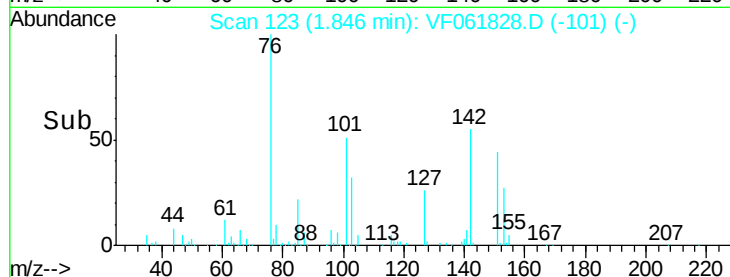
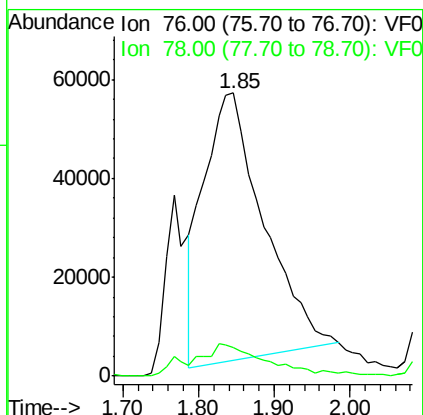
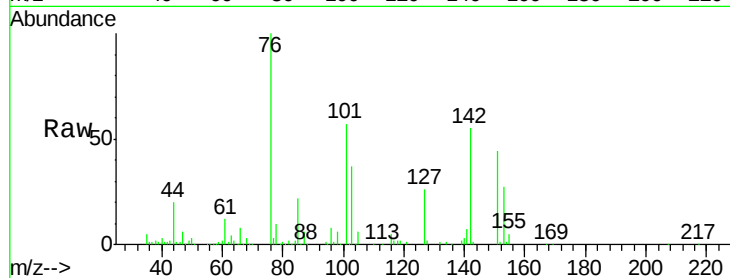




#17
Carbon Disulfide
Concen: 36.011 ug/l
RT: 1.85 min Scan# 123
Delta R.T. 0.02 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

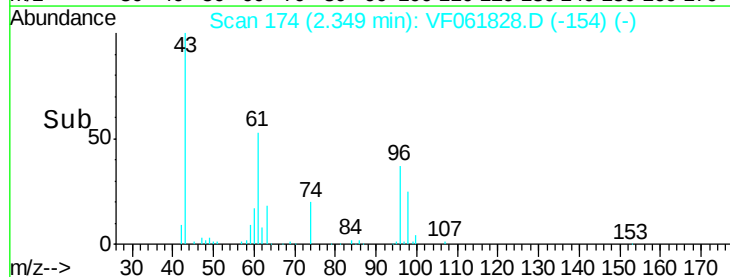
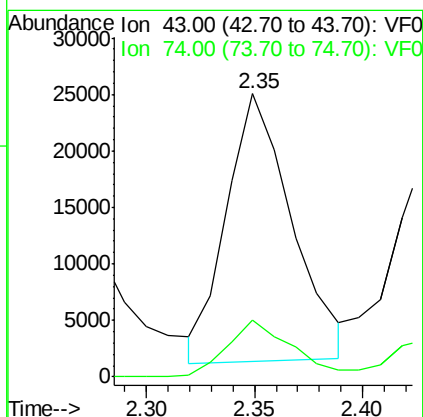
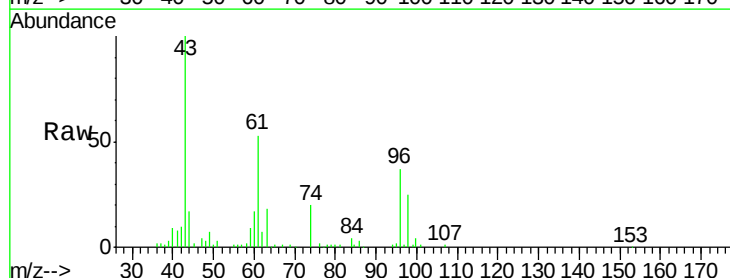
Instrument :
MSVOA_F
ClientSampleId :
ICVVF030419

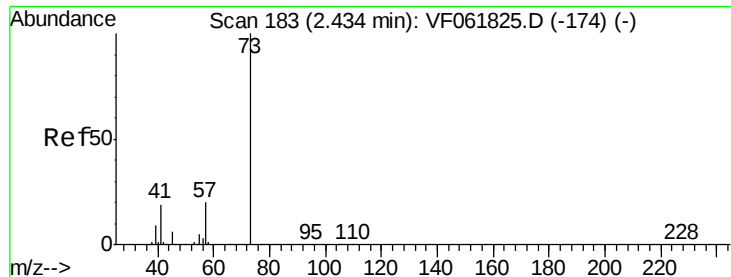
Tot Ion: 76 Resp: 298535
Ion Ratio Lower Upper
76 100
78 10.1 7.9 11.9



#18
Methyl Acetate
Concen: 45.764 ug/l
RT: 2.35 min Scan# 174
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Tgt Ion: 43 Resp: 49923
Ion Ratio Lower Upper
43 100
74 20.2 14.6 21.8

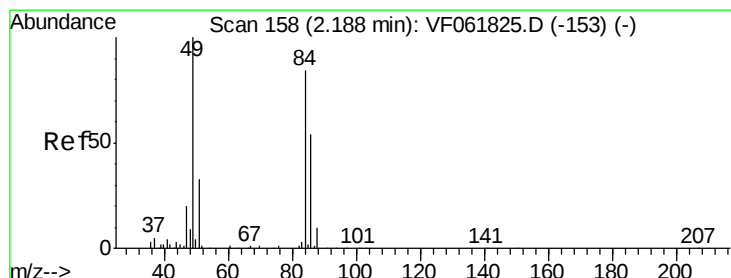
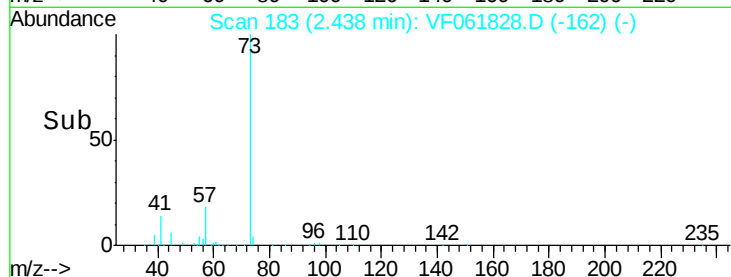
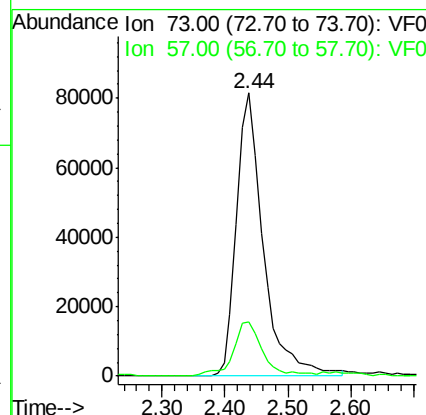
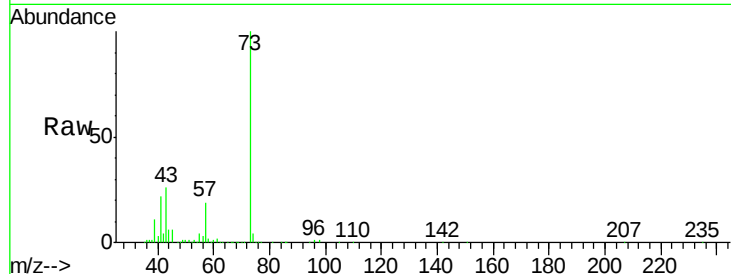




#19
Methyl tert-butyl Ether
Concen: 53.290 ug/l
RT: 2.44 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

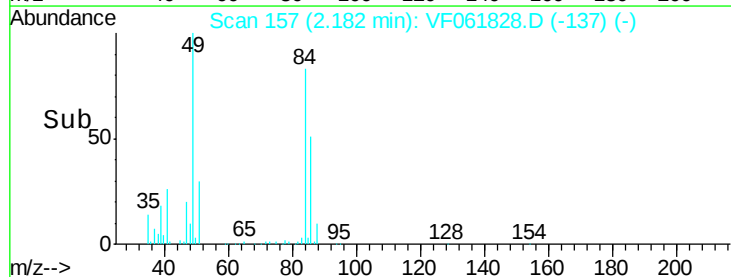
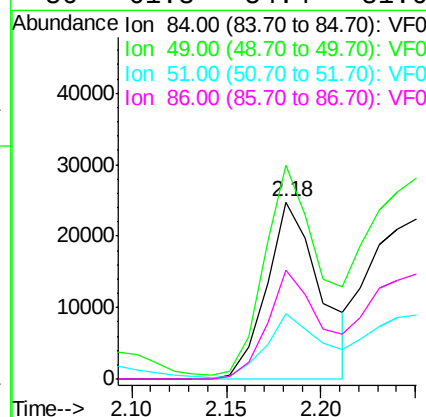
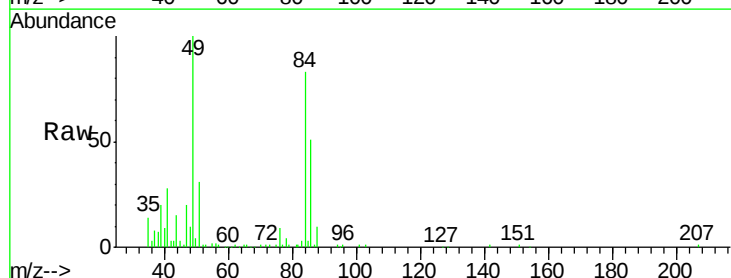
Instrument :
MSVOA_F
ClientSampleId :
ICVVF030419

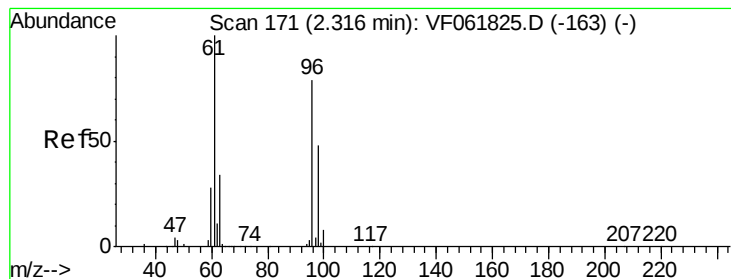
Tot Ion: 73 Resp: 240194
Ion Ratio Lower Upper
73 100
57 19.0 15.8 23.8



#20
Methylene Chloride
Concen: 16.722 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Tgt Ion: 84 Resp: 48916
Ion Ratio Lower Upper
84 100
49 120.8 101.8 152.8
51 37.3 31.1 46.7
86 61.3 54.4 81.6





#21

trans-1,2-Dichloroethene

Concen: 47.850 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

ICVVF030419

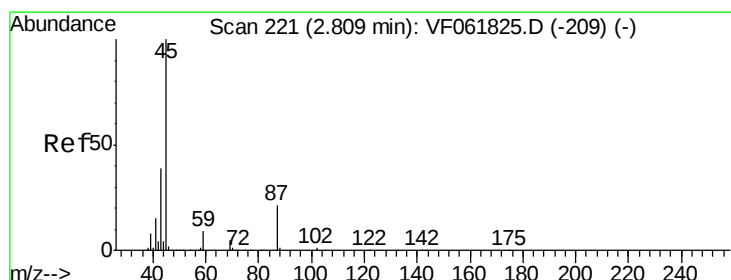
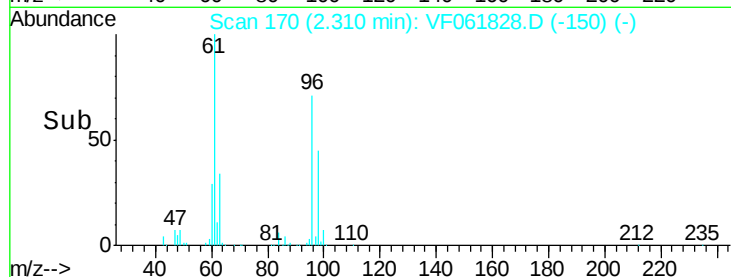
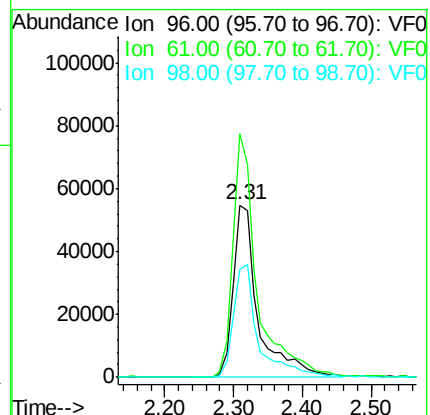
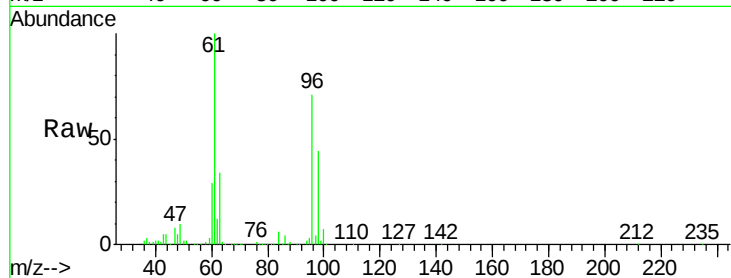
Tot Ion: 96 Resp: 137187

Ion Ratio Lower Upper

96 100

61 141.2 108.2 162.4

98 62.5 52.2 78.2



#22

Diisopropyl ether

Concen: 51.390 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Tgt Ion: 45 Resp: 399222

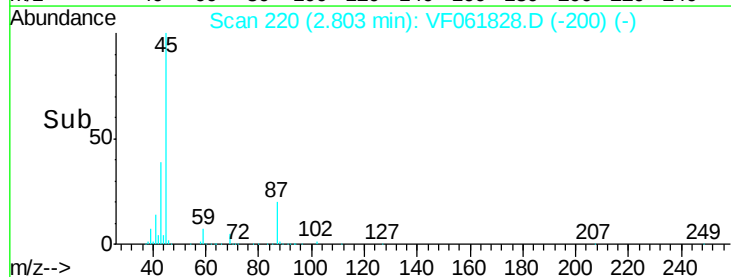
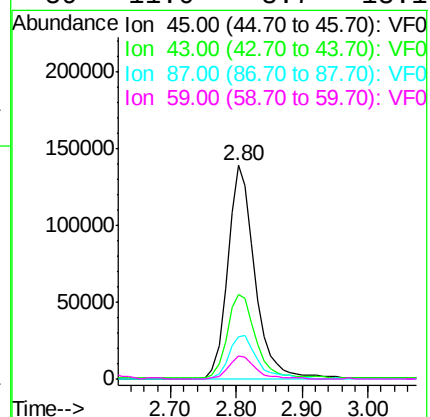
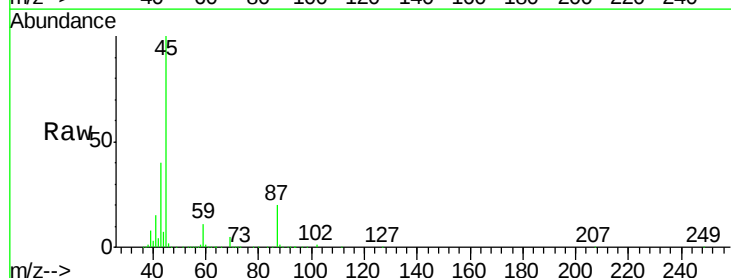
Ion Ratio Lower Upper

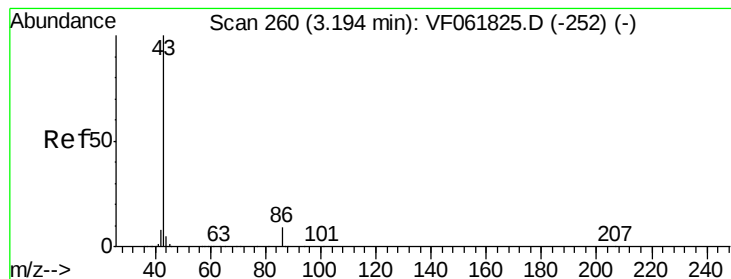
45 100

43 39.8 31.4 47.2

87 19.7 16.3 24.5

59 11.0 8.7 13.1





#23

Vinyl Acetate

Concen: 242.249 ug/l

RT: 3.20 min Scan# 260

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

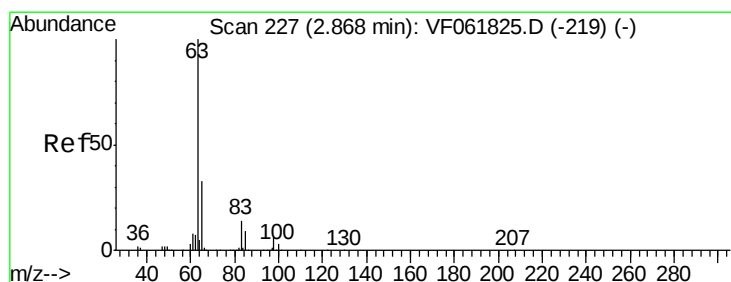
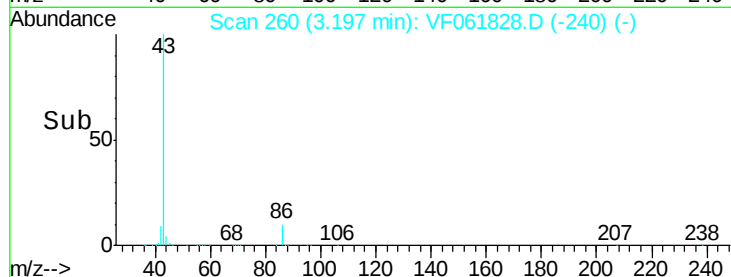
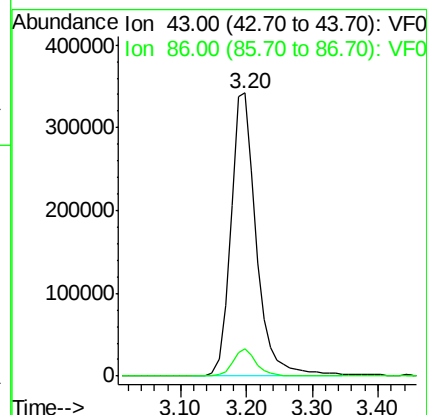
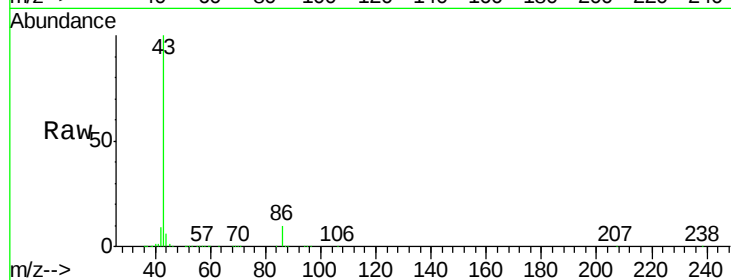
ICVVF030419

Tot Ion: 43 Resp: 919183

Ion Ratio Lower Upper

43 100

86 9.9 7.5 11.3



#24

1,1-Dichloroethane

Concen: 50.468 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

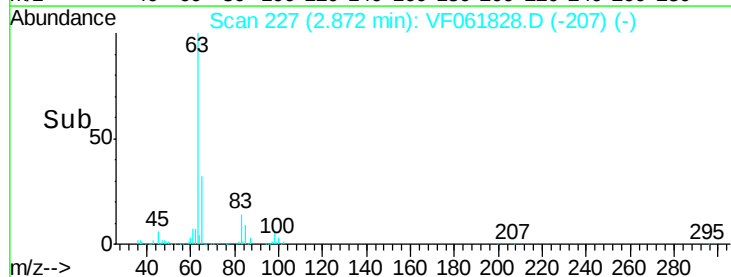
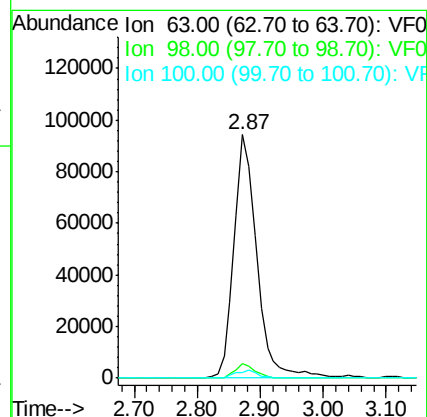
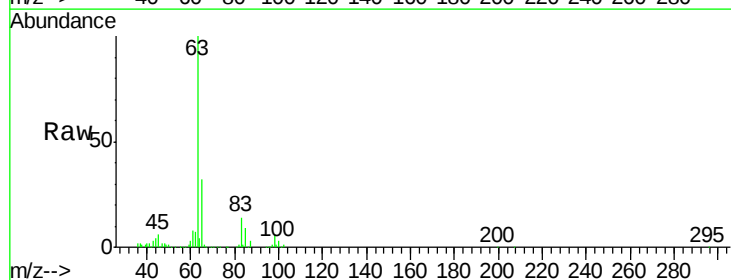
Tgt Ion: 63 Resp: 237260

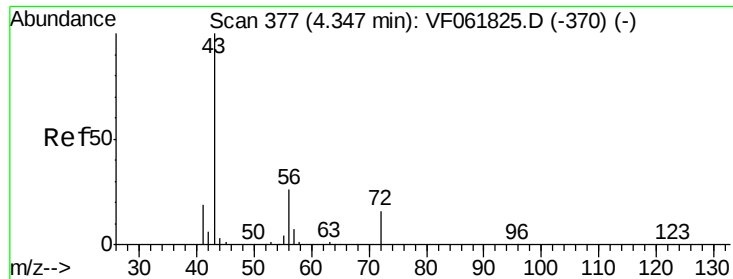
Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.3

100 2.5 1.8 5.4





#25

2-Butanone

Concen: 218.082 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.01 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

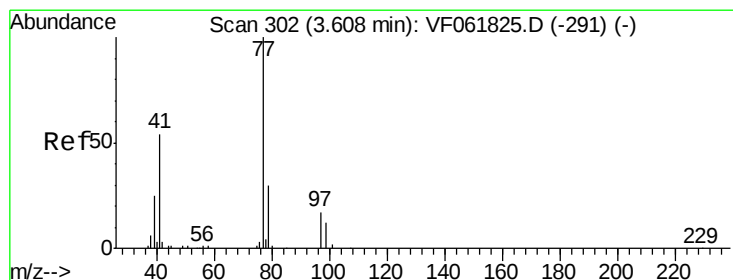
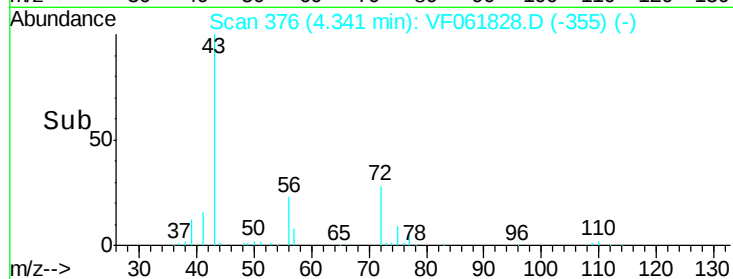
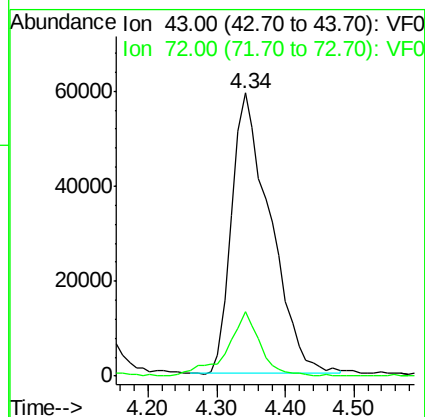
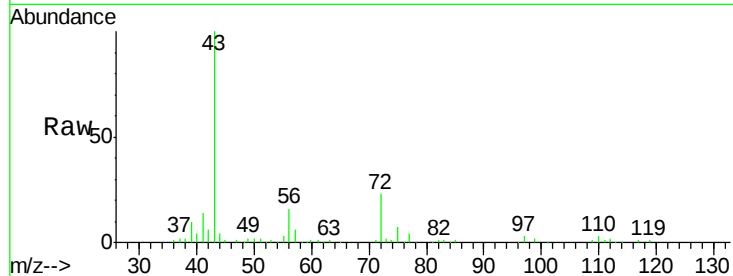
ICVVF030419

Tot Ion: 43 Resp: 230675

Ion Ratio Lower Upper

43 100

72 22.8 17.1 25.7



#26

2,2-Dichloropropane

Concen: 53.476 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.01 min

Lab File: VF061828.D

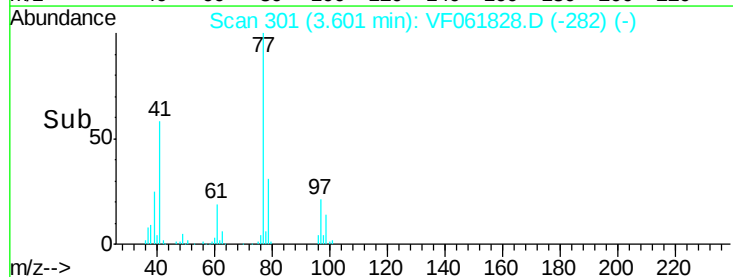
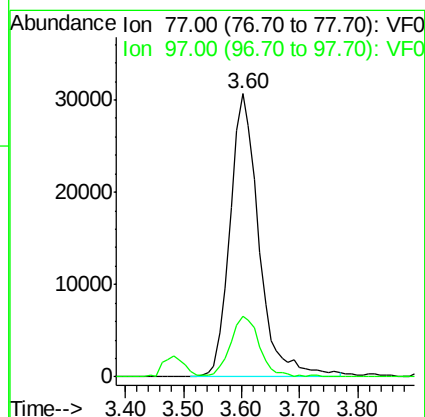
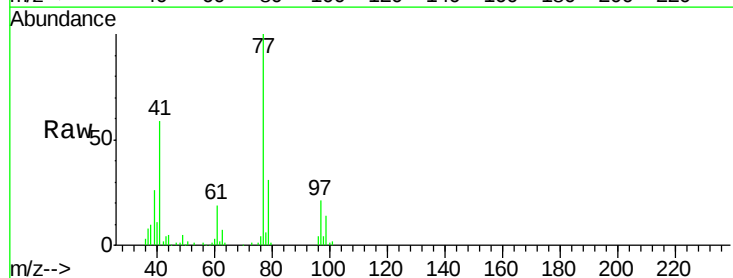
Acq: 4 Mar 2019 19:24

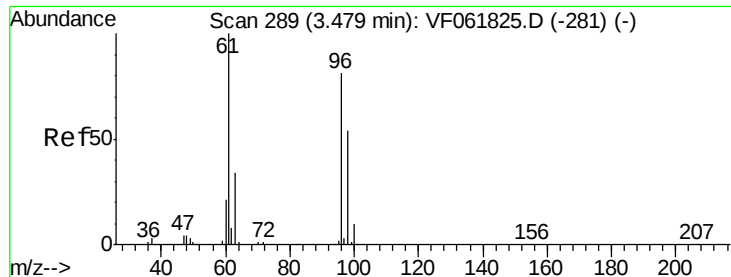
Tgt Ion: 77 Resp: 106489

Ion Ratio Lower Upper

77 100

97 21.4 11.7 35.0



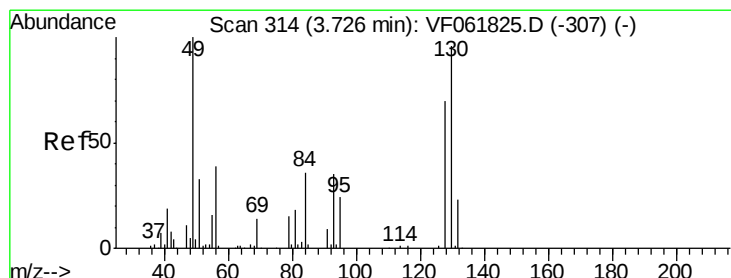
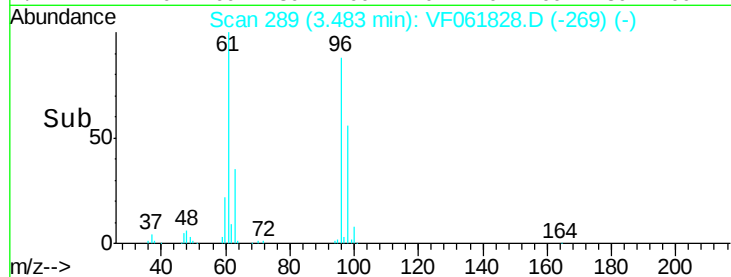
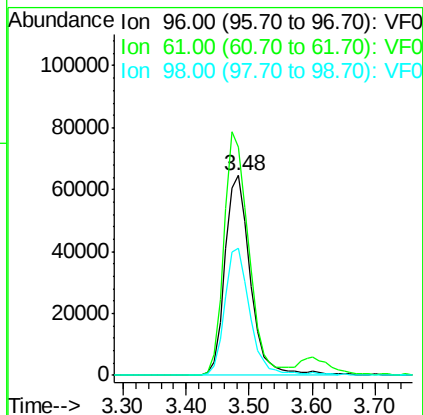
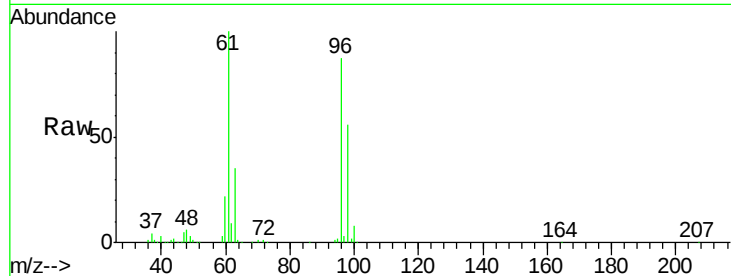


#27

cis-1,2-Dichloroethene
 Concen: 47.933 ug/l
 RT: 3.48 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VF061828.D
 Acq: 4 Mar 2019 19:24

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF030419

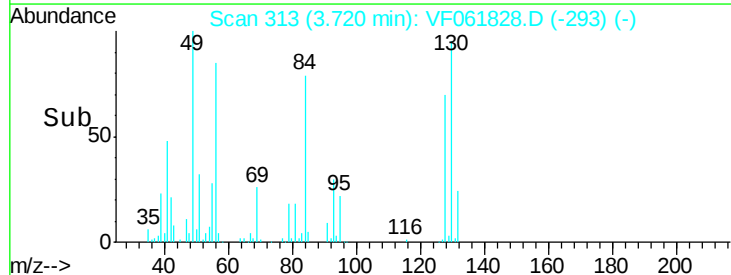
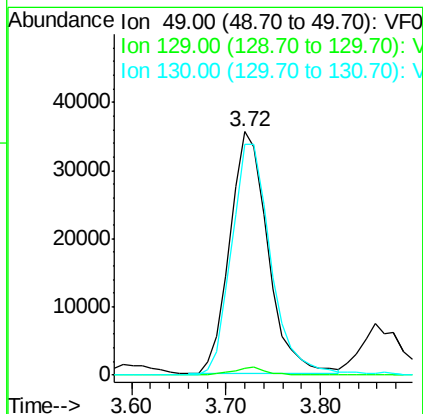
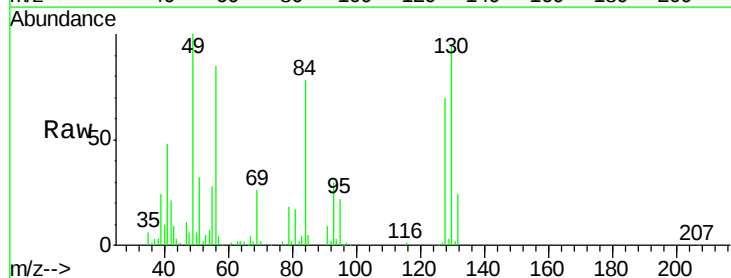
Tot Ion: 96 Resp: 180379
 Ion Ratio Lower Upper
 96 100
 61 114.3 0.0 241.6
 98 63.5 0.0 130.2

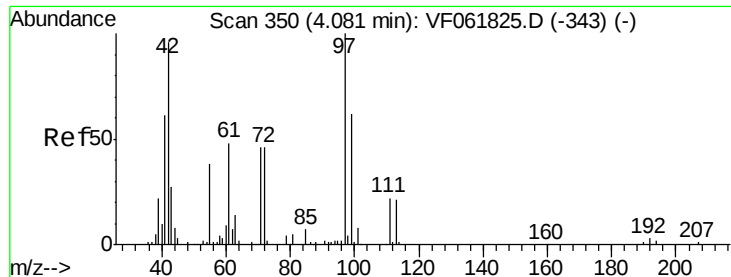


#28

Bromochloromethane
 Concen: 44.057 ug/l
 RT: 3.72 min Scan# 313
 Delta R.T. -0.00 min
 Lab File: VF061828.D
 Acq: 4 Mar 2019 19:24

Tgt Ion: 49 Resp: 99380
 Ion Ratio Lower Upper
 49 100
 129 2.6 0.0 3.4
 130 94.6 77.7 116.5

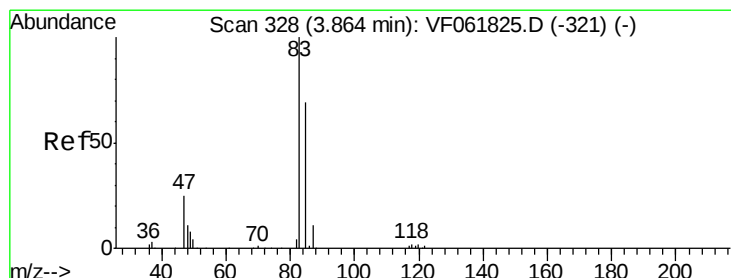
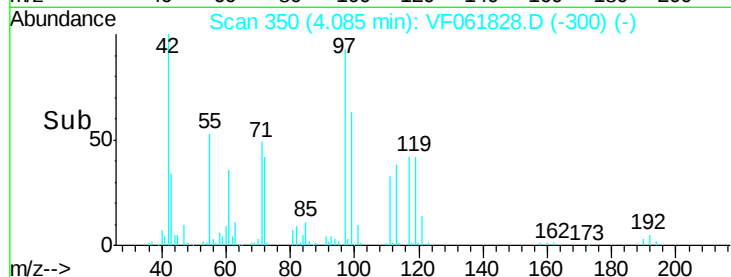
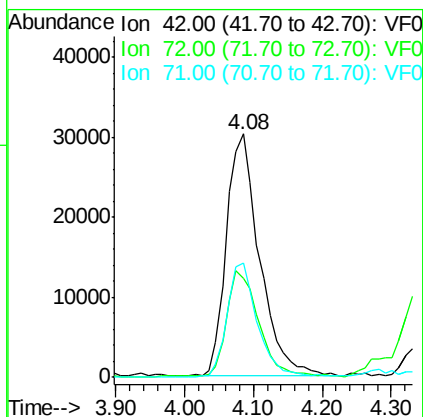
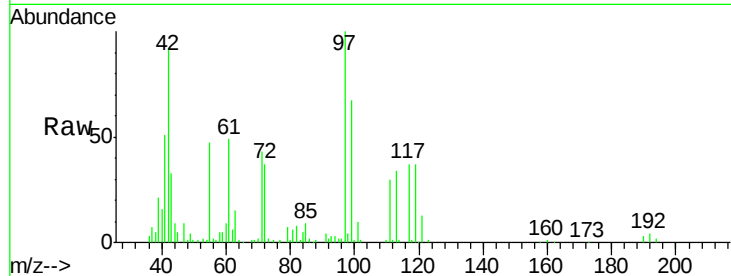




#29
Tetrahydrofuran
Concen: 210.337 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

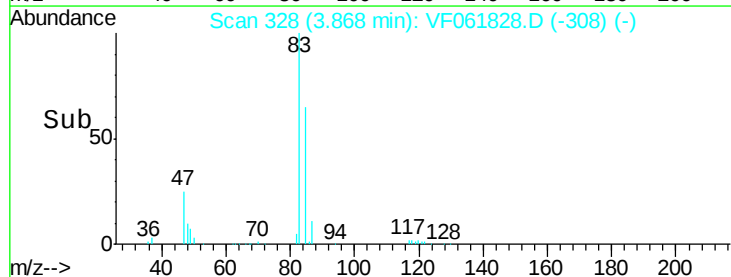
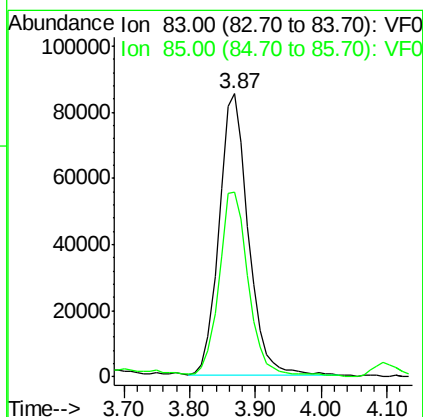
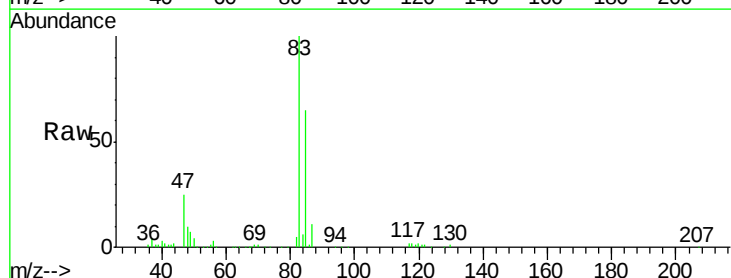
Instrument :
MSVOA_F
ClientSampleId :
ICVVF030419

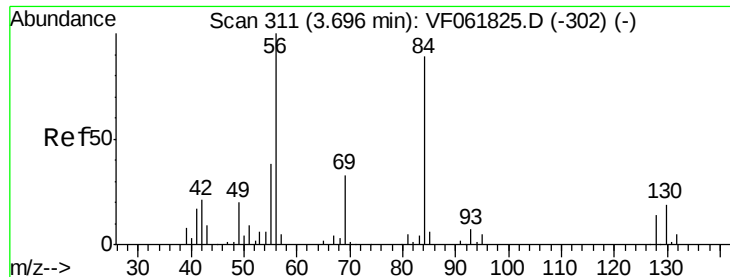
Tot Ion: 42 Resp: 101120
Ion Ratio Lower Upper
42 100
72 44.5 35.2 52.8
71 43.4 32.9 49.3



#30
Chloroform
Concen: 49.133 ug/l
RT: 3.87 min Scan# 328
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Tgt Ion: 83 Resp: 262686
Ion Ratio Lower Upper
83 100
85 65.5 51.1 76.7

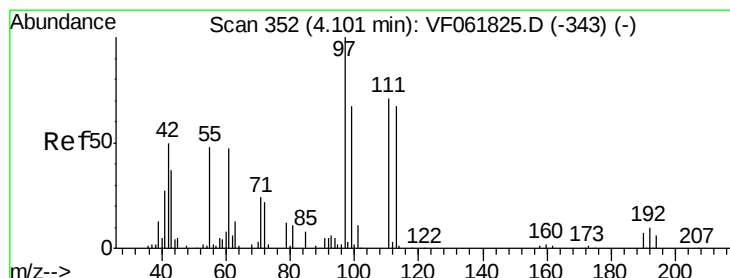
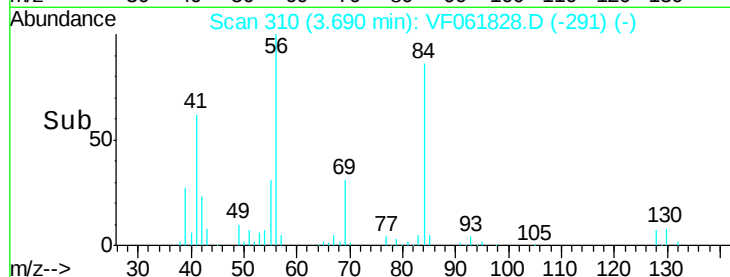
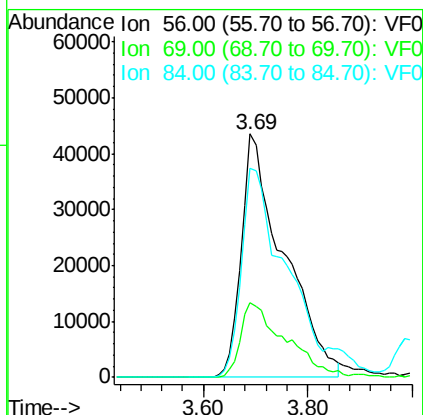
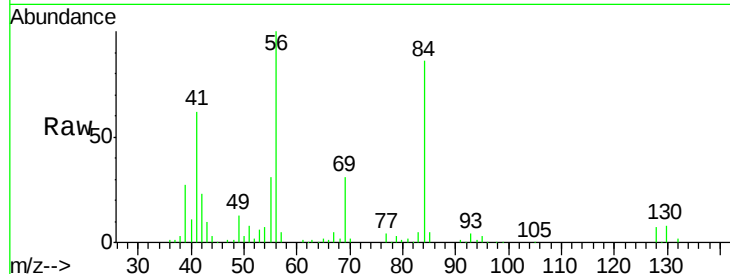




#31
Cyclohexane
Concen: 47.111 ug/l
RT: 3.69 min Scan# 310
Delta R.T. -0.01 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

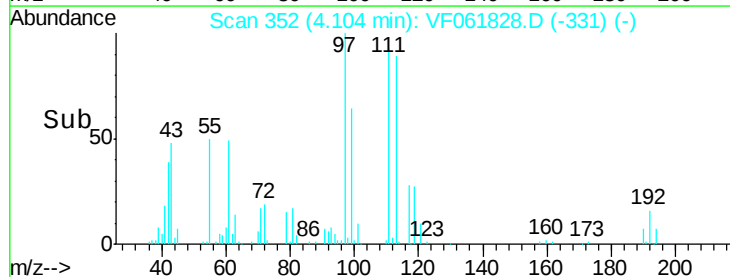
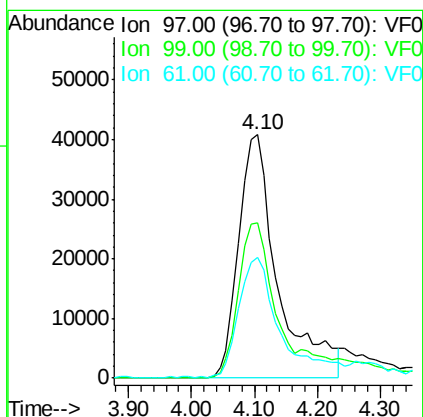
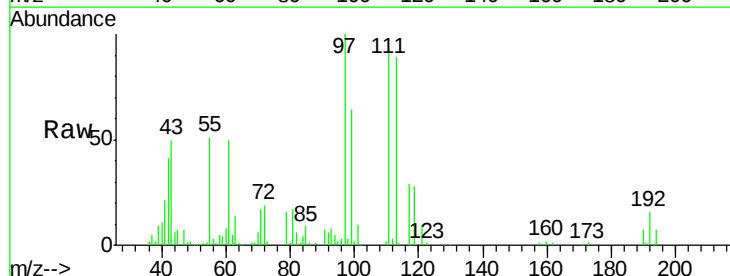
Instrument :
MSVOA_F
ClientSampleId :
ICVVF030419

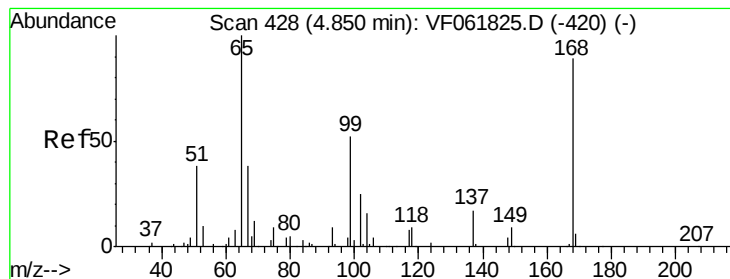
Tot Ion: 56 Resp: 239764
Ion Ratio Lower Upper
56 100
69 30.6 23.8 35.8
84 85.9 68.6 103.0



#32
1,1,1-Trichloroethane
Concen: 50.695 ug/l
RT: 4.10 min Scan# 352
Delta R.T. 0.01 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Tgt Ion: 97 Resp: 177546
Ion Ratio Lower Upper
97 100
99 63.6 52.2 78.2
61 49.6 39.2 58.8





#33

1,2-Dichloroethane-d4

Concen: 50.465 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

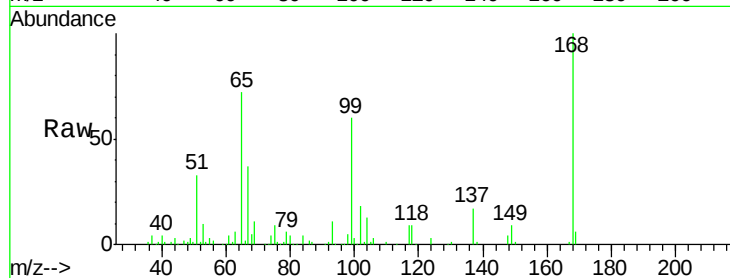
ICVVF030419

Tot Ion: 65 Resp: 113899

Ion Ratio Lower Upper

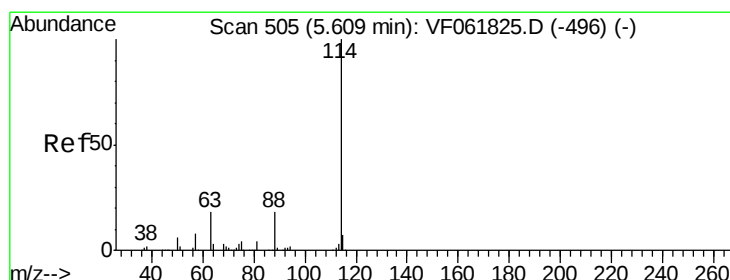
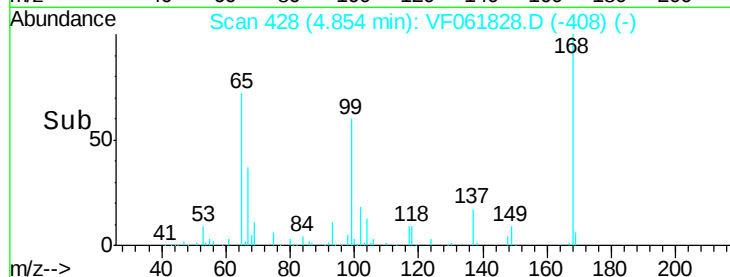
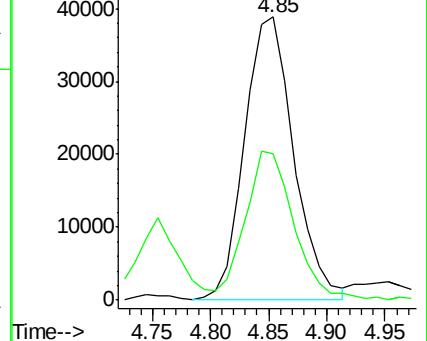
65 100

67 51.8 0.0 104.0



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

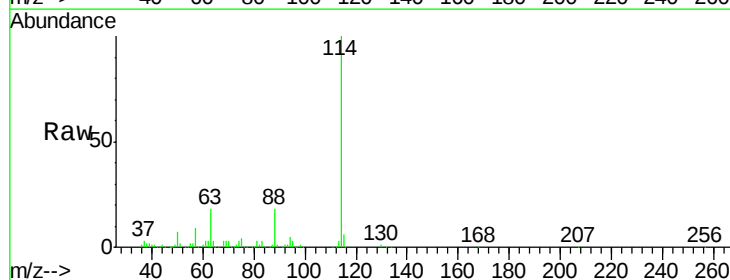
Tgt Ion: 114 Resp: 448941

Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.6

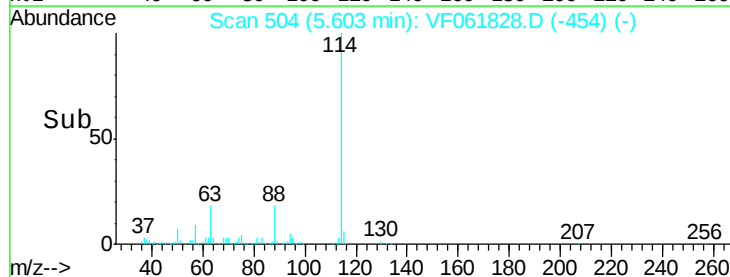
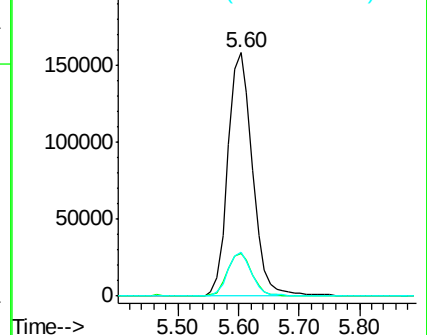
88 17.8 0.0 34.4

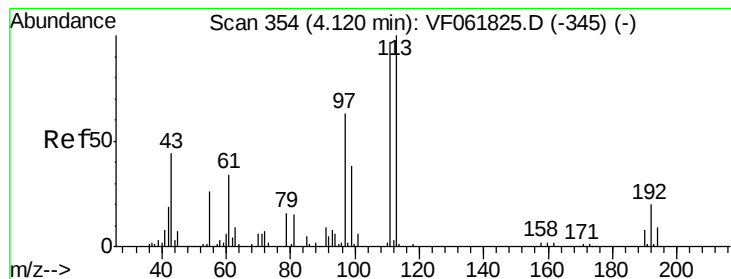


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 46.251 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

ICVVF030419

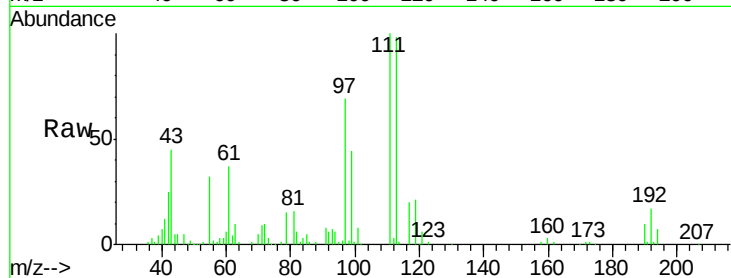
Tot Ion:113 Resp: 154195

Ion Ratio Lower Upper

113 100

111 102.5 78.8 118.2

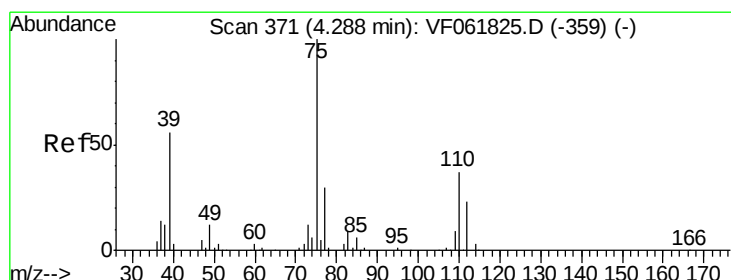
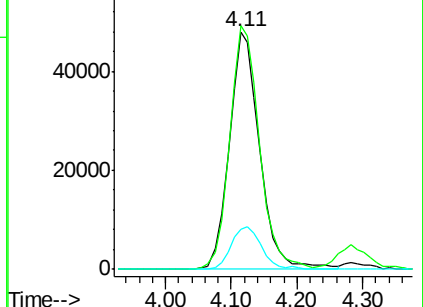
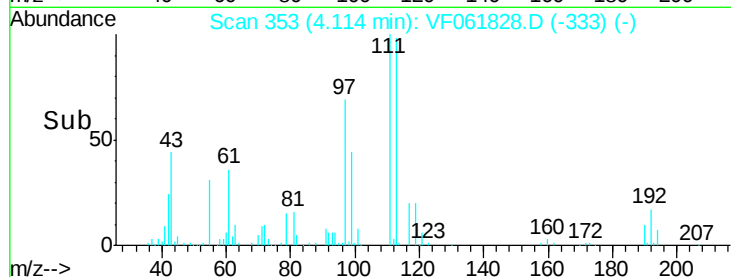
192 17.5 13.4 20.0



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 49.606 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.01 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

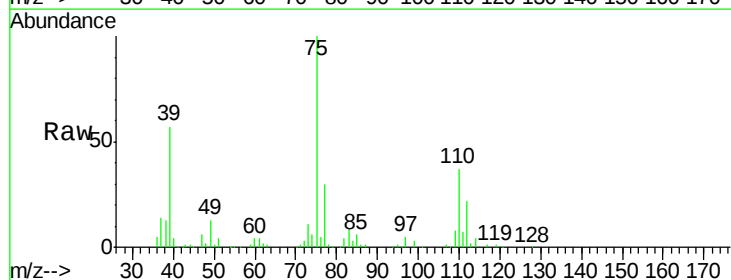
Tgt Ion: 75 Resp: 220614

Ion Ratio Lower Upper

75 100

110 36.8 20.5 61.6

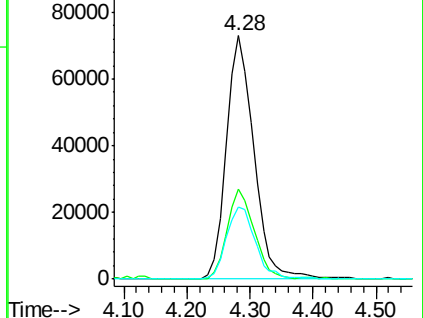
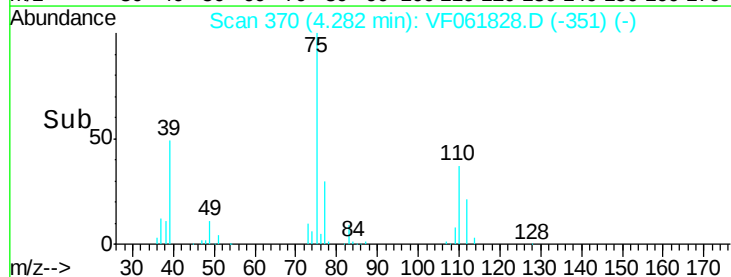
77 29.8 27.0 40.4

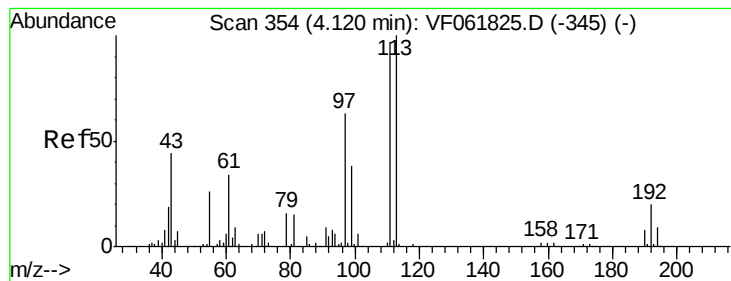


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 43.330 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

ICVVF030419

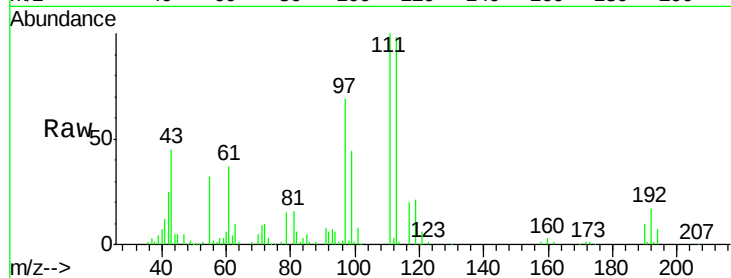
Tot Ion: 43 Resp: 89505

Ion Ratio Lower Upper

43 100

61 81.5 45.7 68.5#

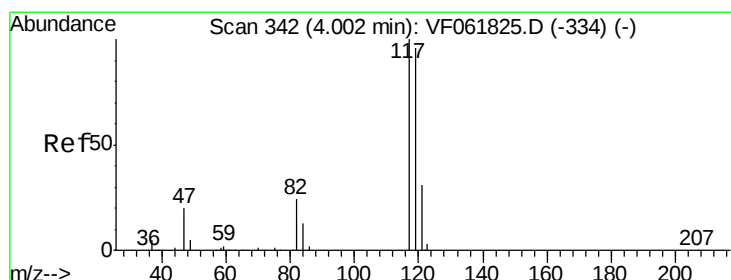
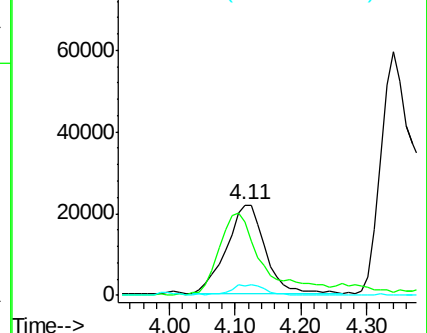
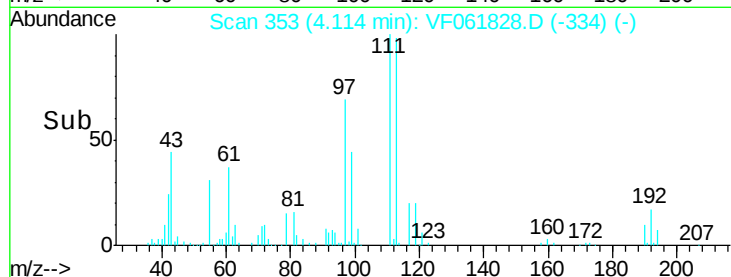
70 11.1 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 52.337 ug/l

RT: 4.00 min Scan# 341

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

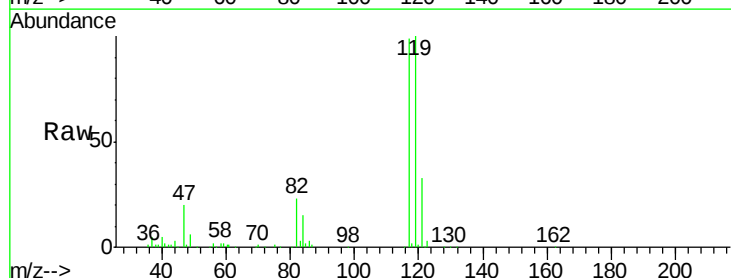
Tgt Ion: 117 Resp: 160723

Ion Ratio Lower Upper

117 100

119 100.6 75.6 113.4

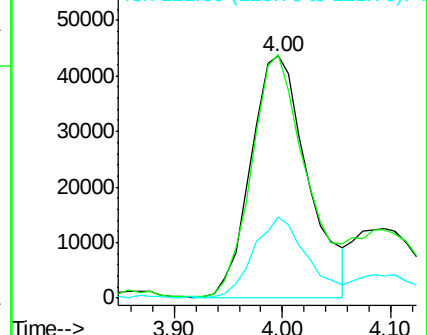
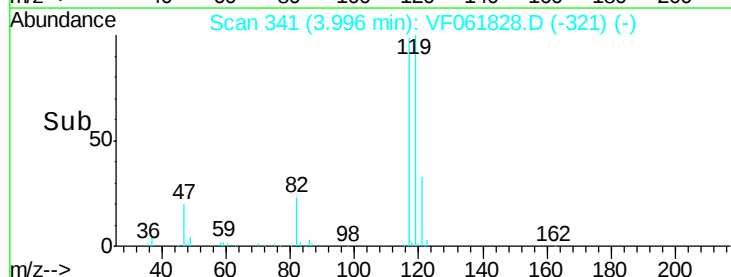
121 33.5 25.2 37.8

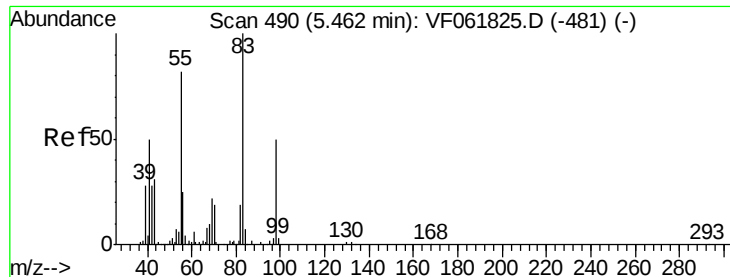


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

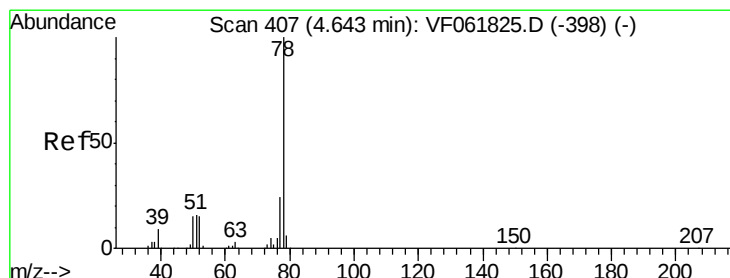
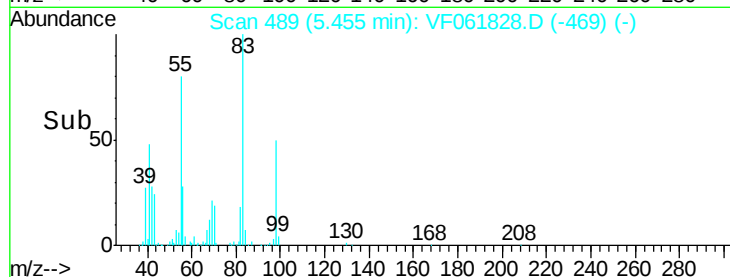
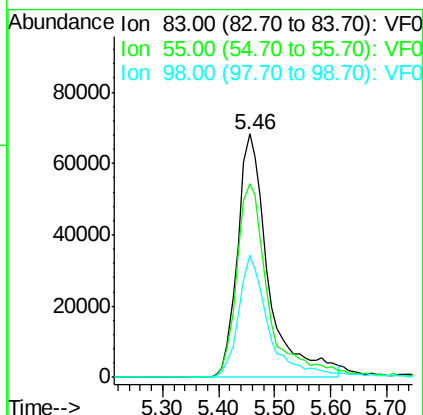
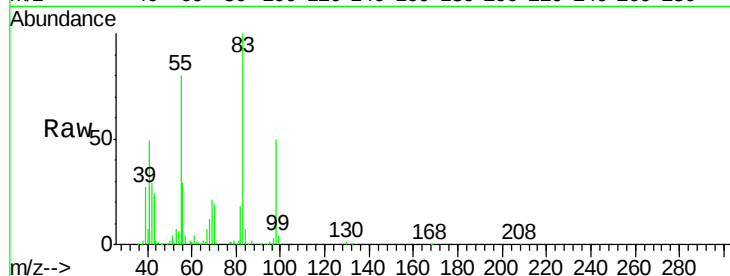




#39
Methvlcvclohexane
Concen: 49.578 ug/l
RT: 5.46 min Scan# 489
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

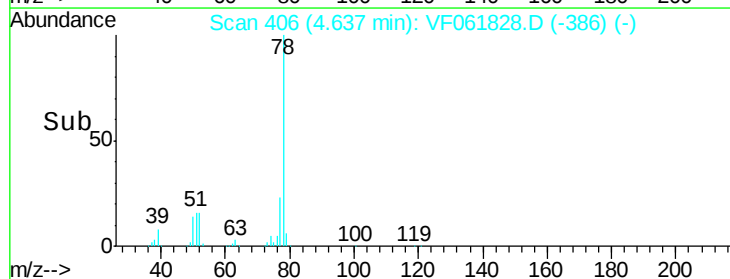
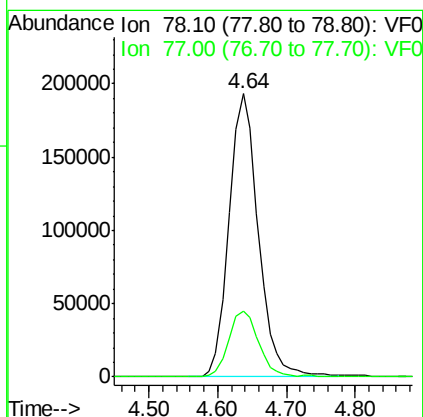
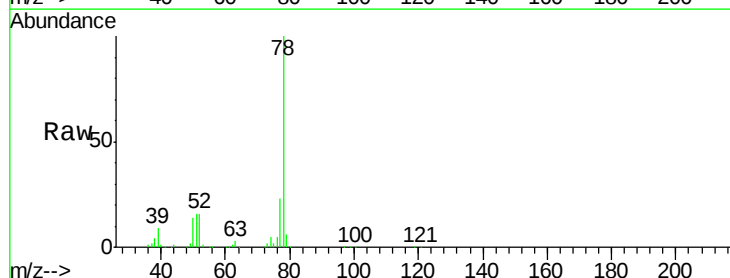
Instrument :
MSVOA_F
ClientSampleId :
ICVVF030419

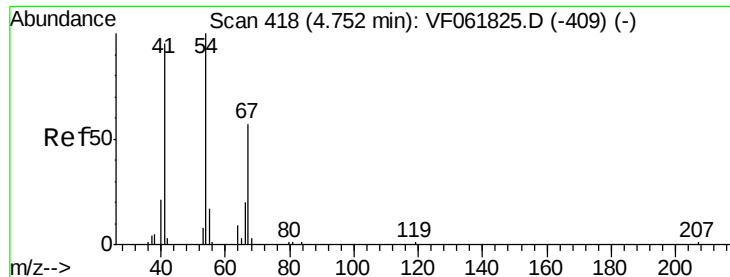
Tot Ion: 83 Resp: 260763
Ion Ratio Lower Upper
83 100
55 79.8 66.6 99.8
98 50.0 40.4 60.6



#40
Benzene
Concen: 49.153 ug/l
RT: 4.64 min Scan# 406
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Tgt Ion: 78 Resp: 571781
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.6

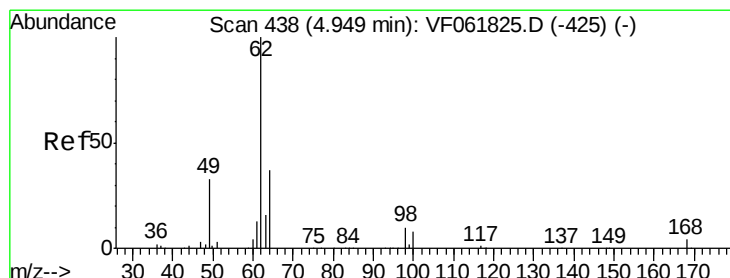
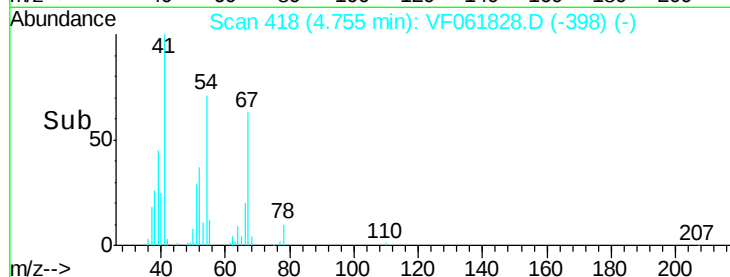
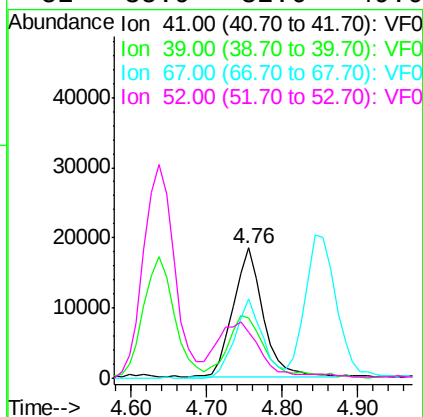
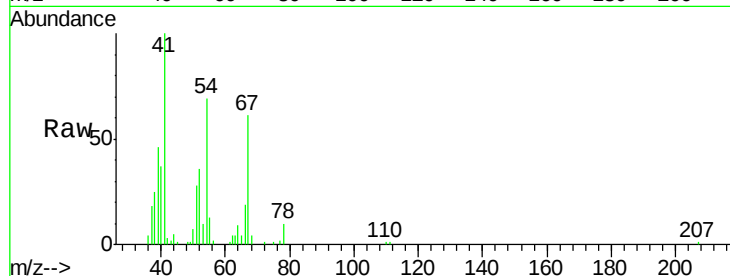




#41
Methacrylonitrile
Concen: 47.020 ug/l
RT: 4.76 min Scan# 418
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

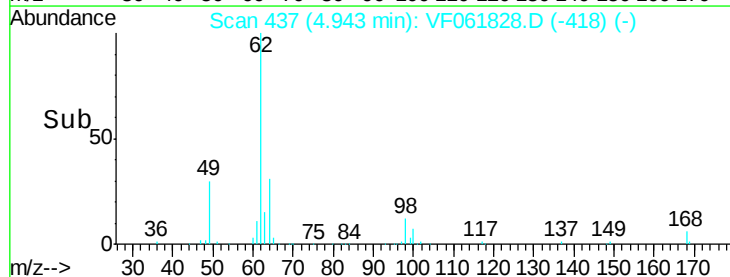
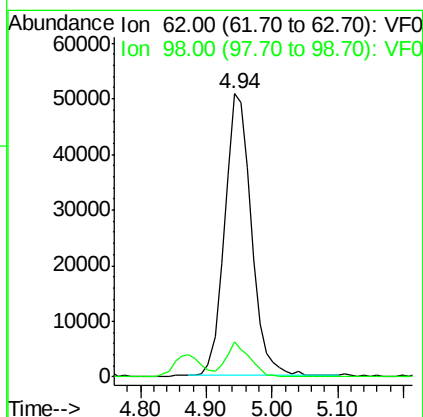
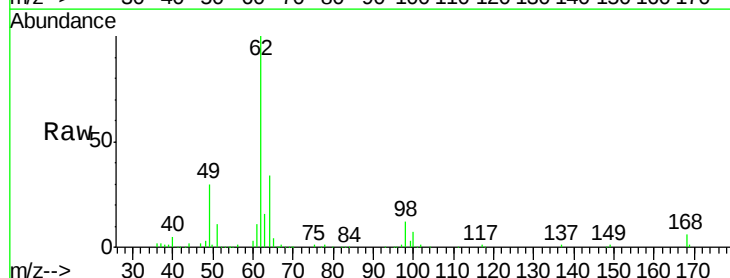
Instrument :
MSVOA_F
ClientSampleId :
ICVVF030419

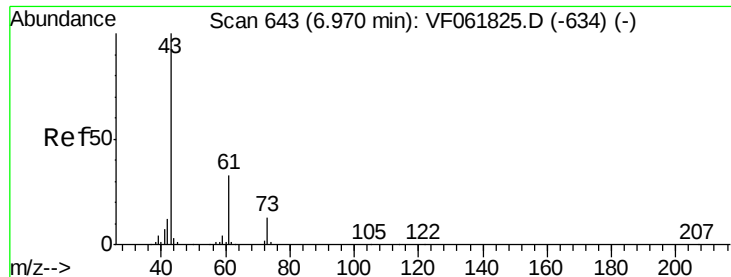
Tot Ion:	41	Resp:	49671
Ion	Ratio	Lower	Upper
41	100		
39	46.2	45.3	67.9
67	60.9	49.3	73.9
52	35.9	32.6	49.0



#42
1,2-Dichloroethane
Concen: 51.810 ug/l
RT: 4.94 min Scan# 437
Delta R.T. -0.01 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Tgt Ion:	62	Resp:	144167
Ion	Ratio	Lower	Upper
62	100		
98	12.2	0.0	26.0





#43

Isopropyl Acetate

Concen: 47.216 ug/l

RT: 6.96 min Scan# 642

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

ICVVF030419

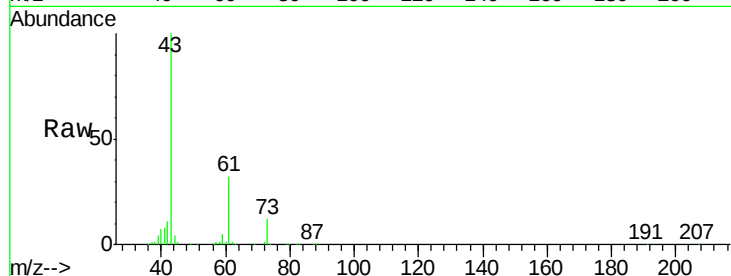
Tot Ion: 43 Resp: 115449

Ion Ratio Lower Upper

43 100

61 32.0 25.8 38.6

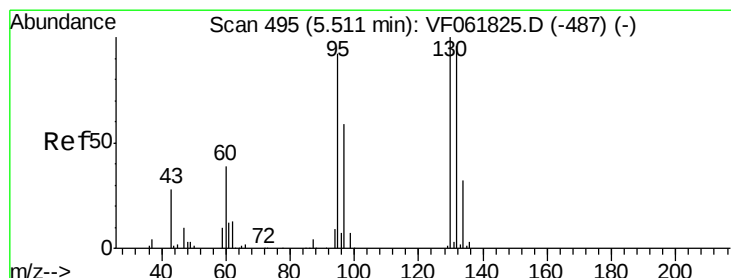
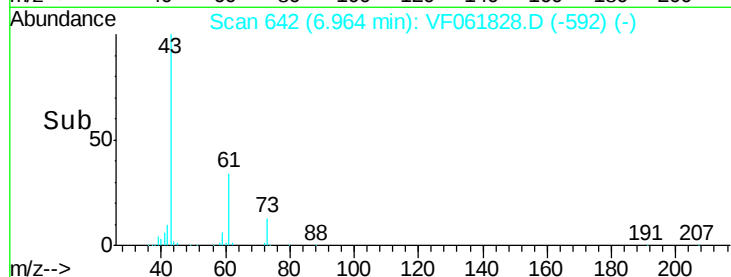
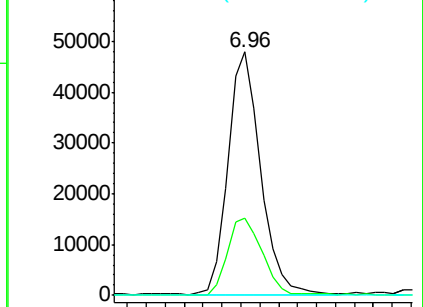
87 0.3 0.4 0.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 45.491 ug/l

RT: 5.50 min Scan# 494

Delta R.T. -0.00 min

Lab File: VF061828.D

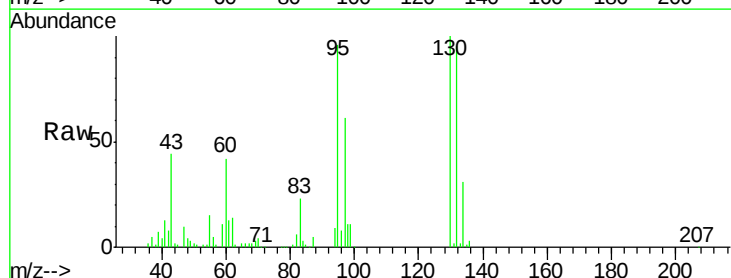
Acq: 4 Mar 2019 19:24

Tgt Ion:130 Resp: 171126

Ion Ratio Lower Upper

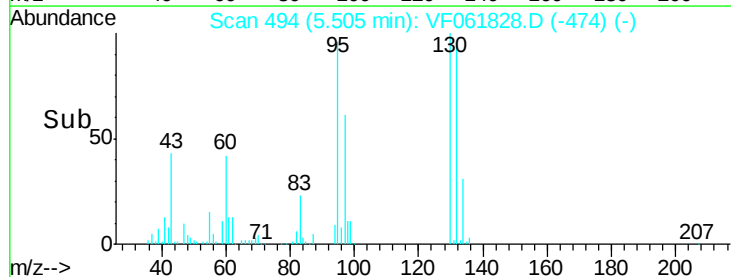
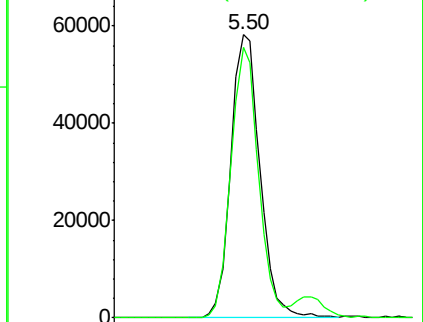
130 100

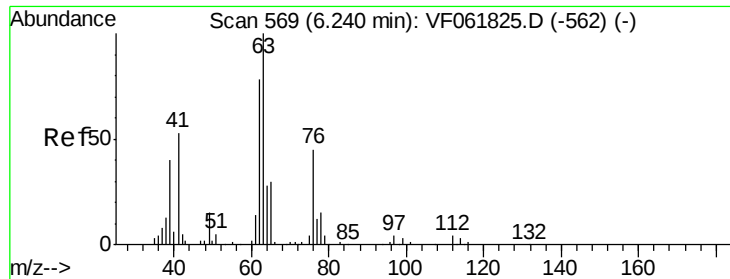
95 95.8 0.0 179.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 49.778 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

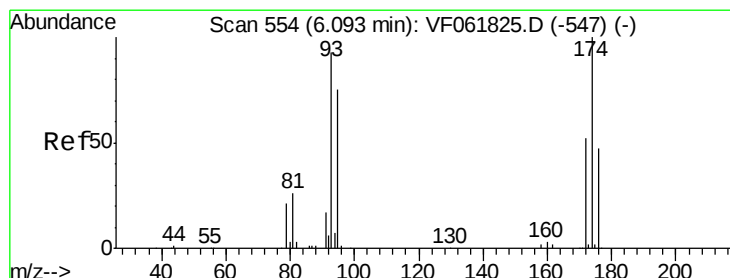
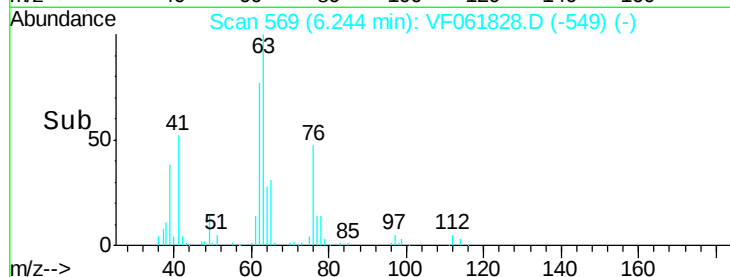
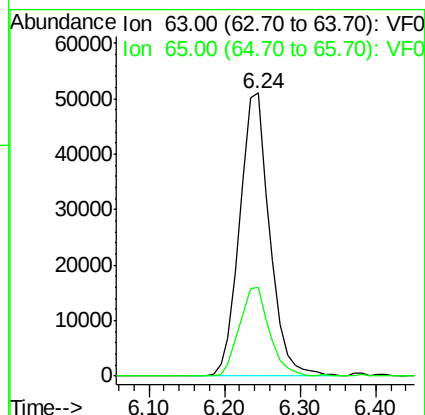
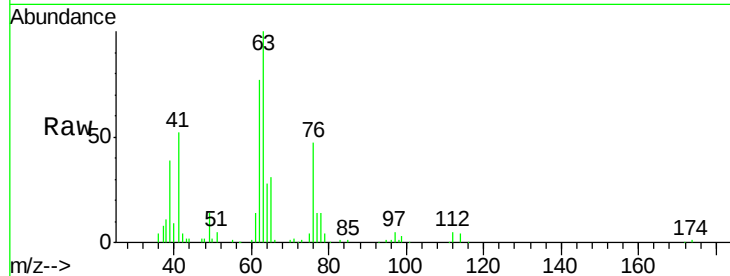
ICVVF030419

Tot Ion: 63 Resp: 139968

Ion Ratio Lower Upper

63 100

65 31.5 24.9 37.3



#46

Dibromomethane

Concen: 51.868 ug/l

RT: 6.09 min Scan# 553

Delta R.T. -0.01 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

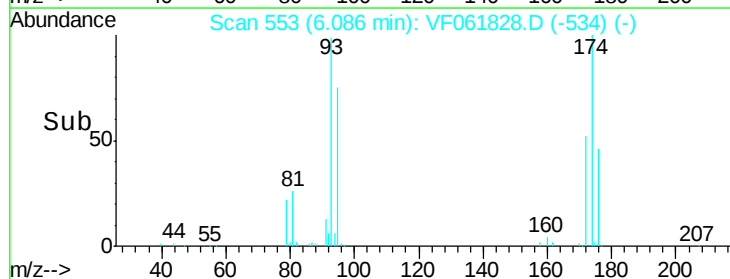
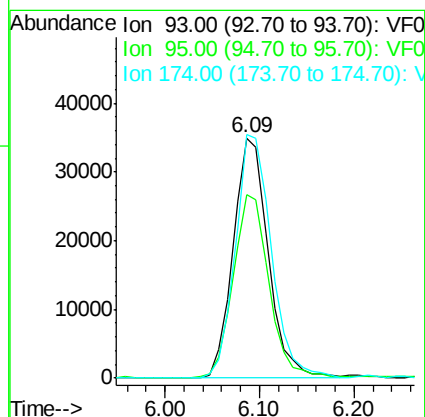
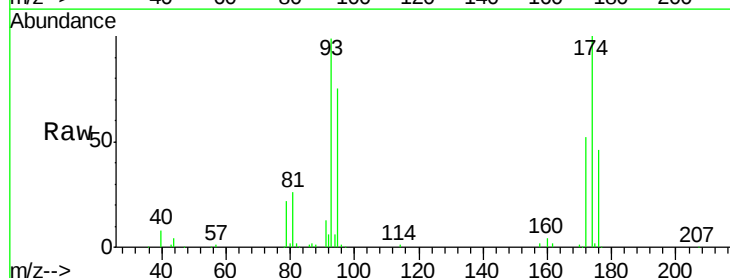
Tgt Ion: 93 Resp: 89797

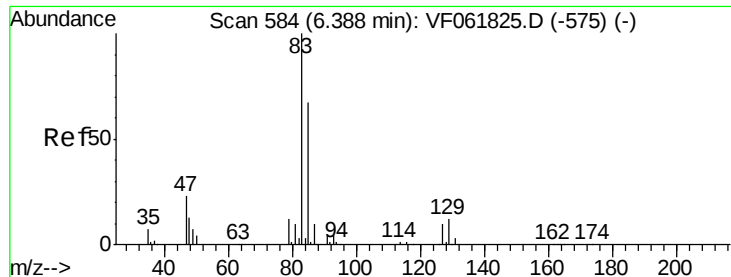
Ion Ratio Lower Upper

93 100

95 76.1 69.0 103.6

174 101.3 99.3 148.9





#47

Bromodichloromethane

Concen: 50.669 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

ICVVF030419

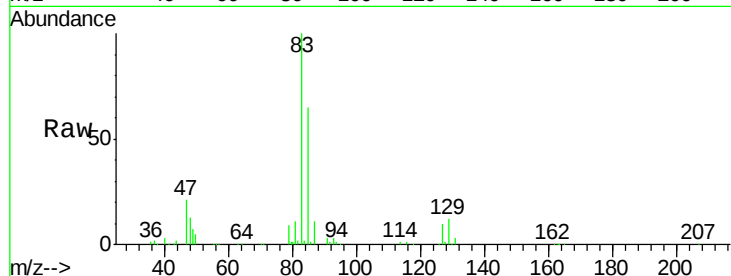
Tot Ion: 83 Resp: 192098

Ion Ratio Lower Upper

83 100

85 65.0 53.4 80.2

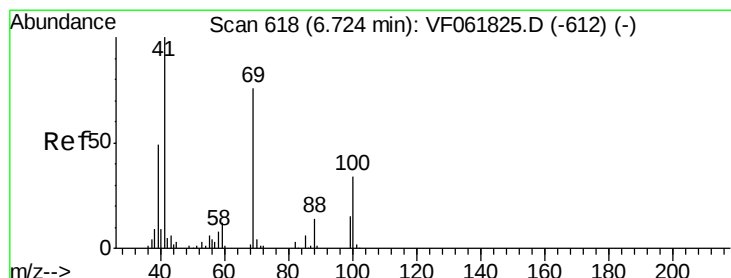
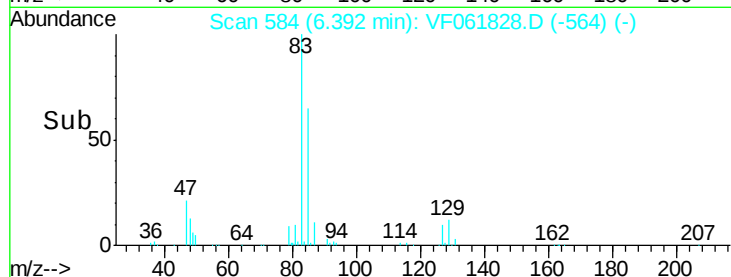
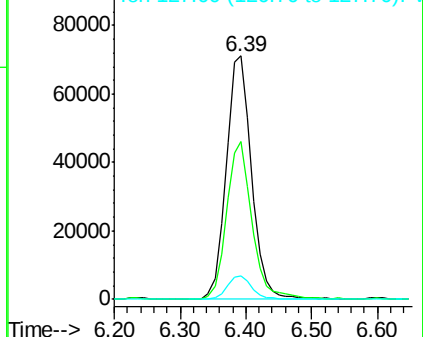
127 9.7 7.5 11.3



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: 47.424 ug/l

RT: 6.73 min Scan# 618

Delta R.T. 0.01 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

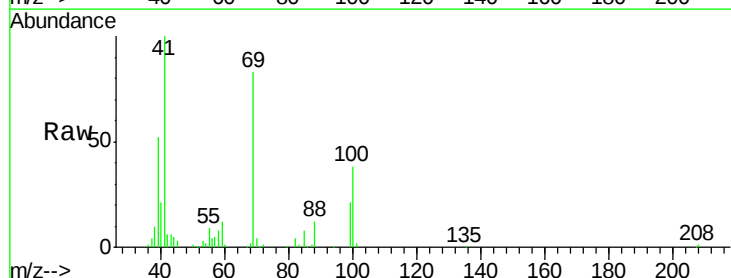
Tgt Ion: 41 Resp: 69781

Ion Ratio Lower Upper

41 100

69 83.3 60.4 90.6

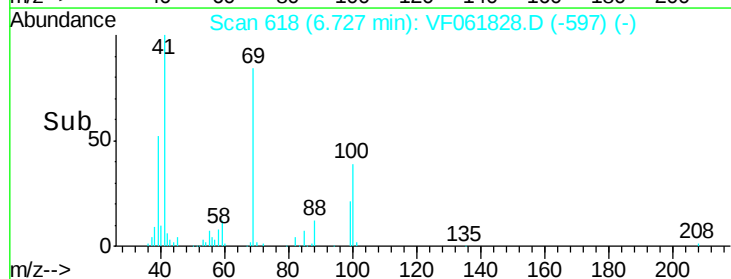
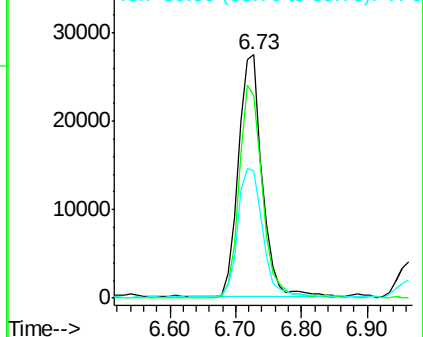
39 52.0 43.7 65.5

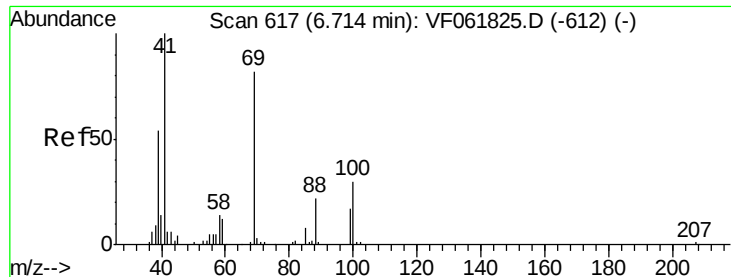


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

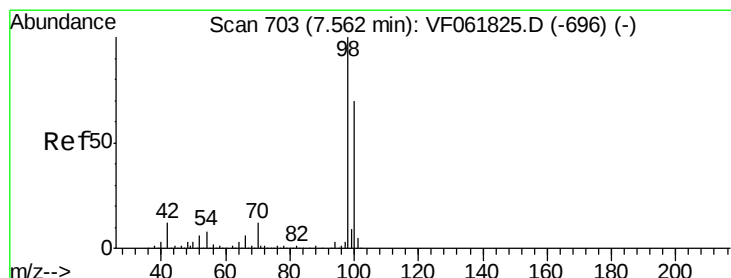
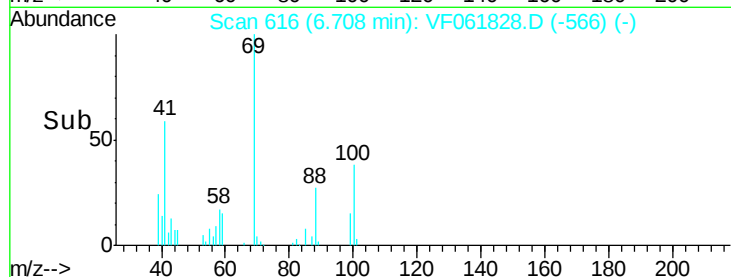
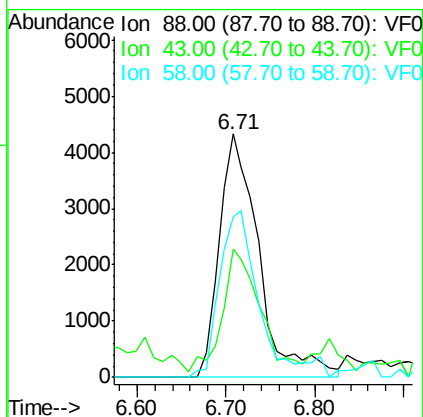
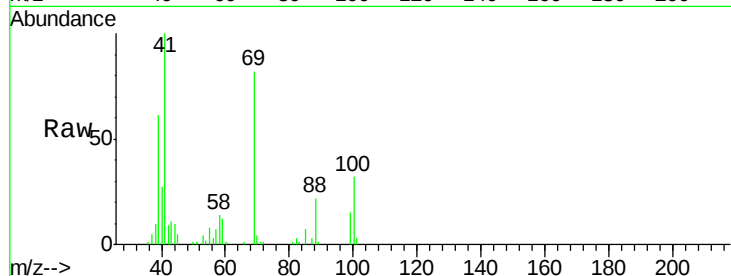




#49
1,4-Dioxane
Concen: 970.920 ug/l
RT: 6.71 min Scan# 616
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

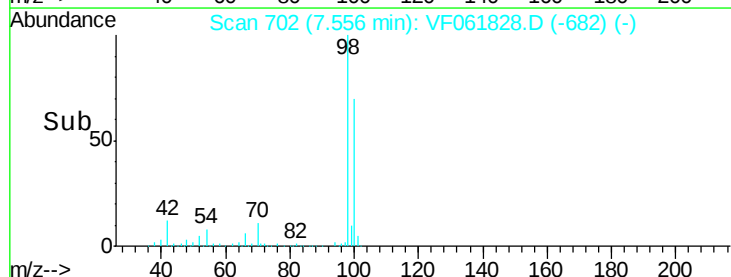
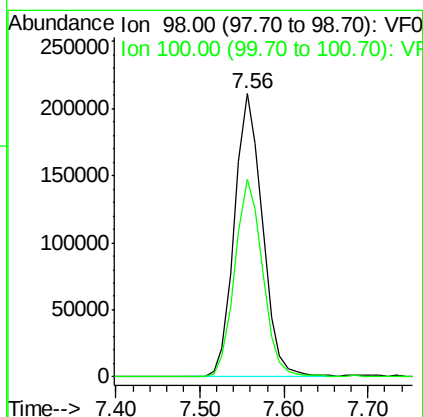
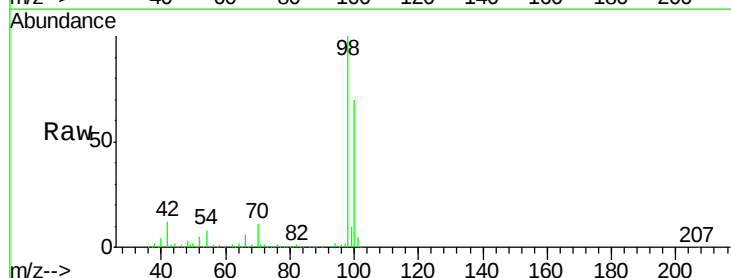
Instrument :
MSVOA_F
ClientSampleId :
ICVVF030419

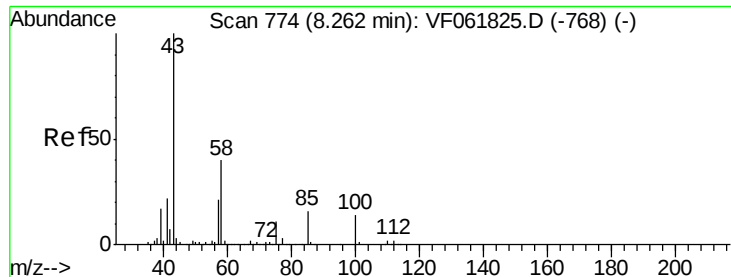
Tot Ion: 88 Resp: 13430
Ion Ratio Lower Upper
88 100
43 52.8 32.3 48.5#
58 65.8 59.4 89.2



#50
Toluene-d8
Concen: 51.188 ug/l
RT: 7.56 min Scan# 702
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Tgt Ion: 98 Resp: 490583
Ion Ratio Lower Upper
98 100
100 69.6 55.4 83.2





#51

4-Methyl-2-Pentanone

Concen: 226.101 ug/l

RT: 8.27 min Scan# 774

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

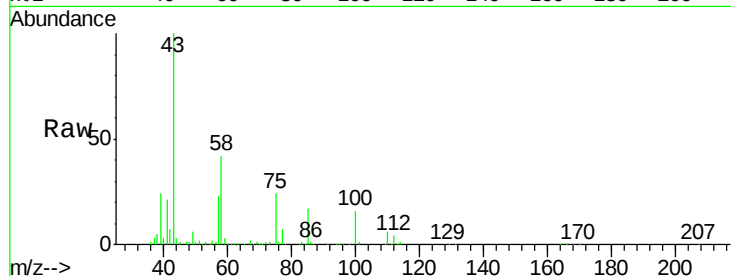
ICVVF030419

Tot Ion: 43 Resp: 395022

Ion Ratio Lower Upper

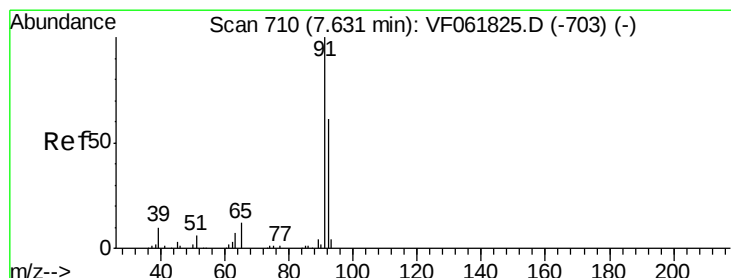
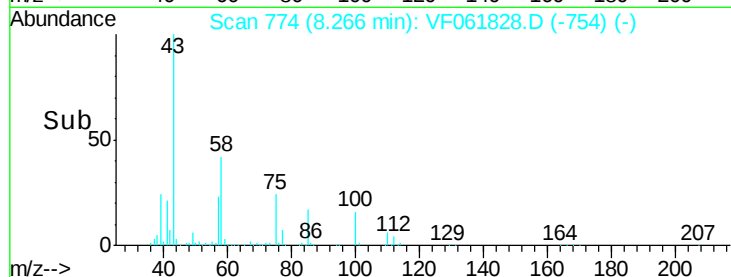
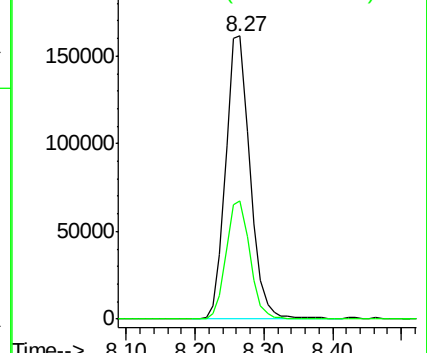
43 100

58 41.6 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 50.966 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.00 min

Lab File: VF061828.D

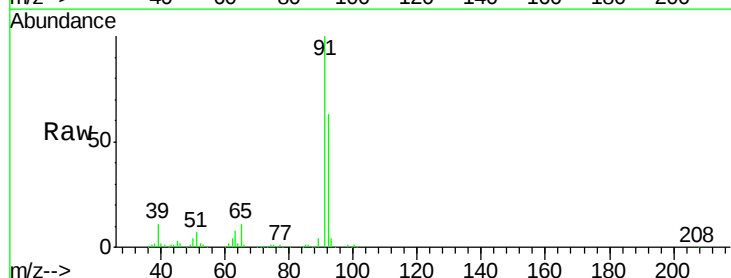
Acq: 4 Mar 2019 19:24

Tgt Ion: 92 Resp: 359569

Ion Ratio Lower Upper

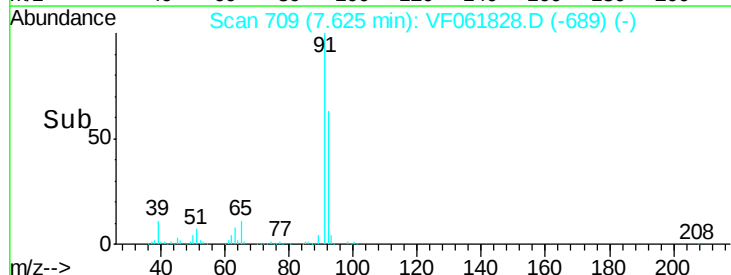
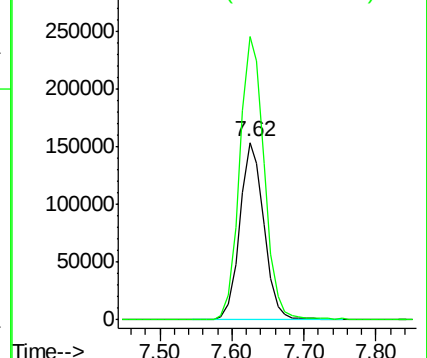
92 100

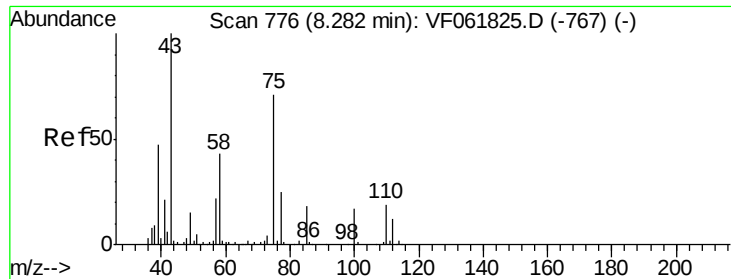
91 159.5 133.9 200.9



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: 50.286 ug/l

RT: 8.29 min Scan# 776

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

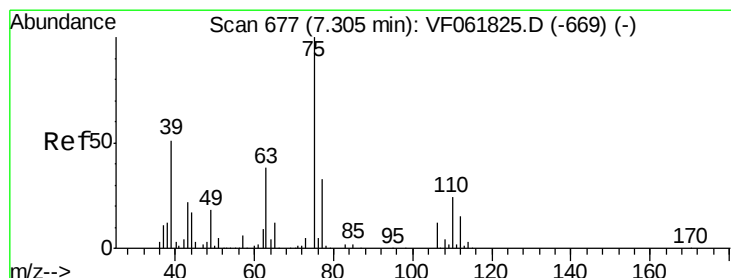
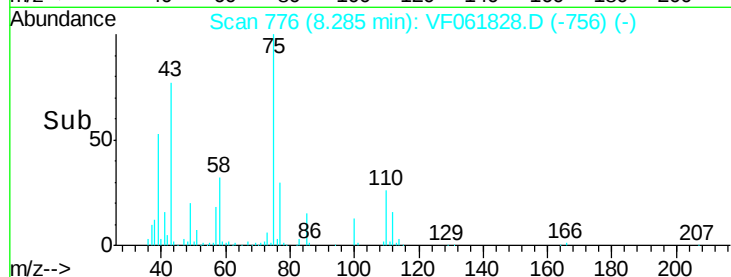
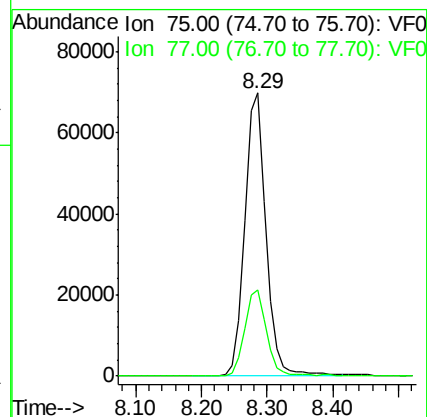
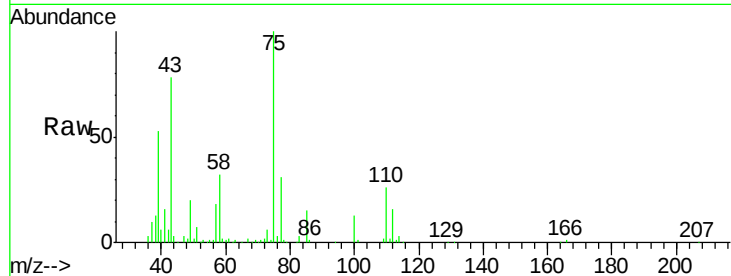
ICVVF030419

Tot Ion: 75 Resp: 158667

Ion Ratio Lower Upper

75 100

77 30.5 26.2 39.2



#54

cis-1,3-Dichloropropene

Concen: 50.635 ug/l

RT: 7.30 min Scan# 676

Delta R.T. -0.01 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

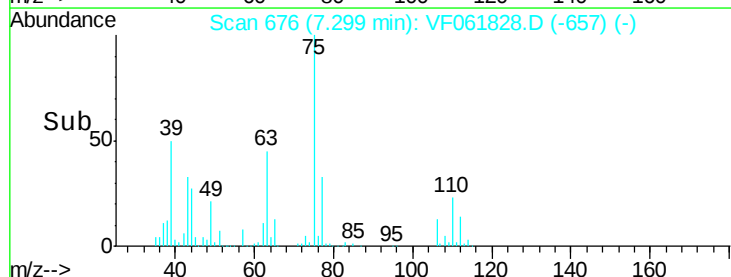
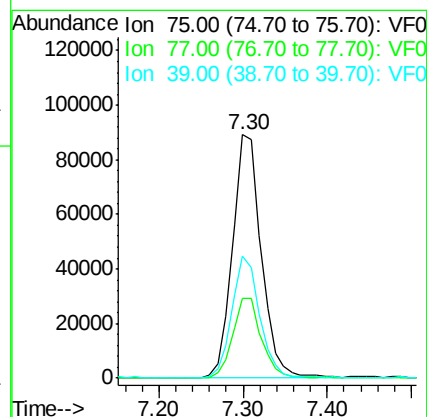
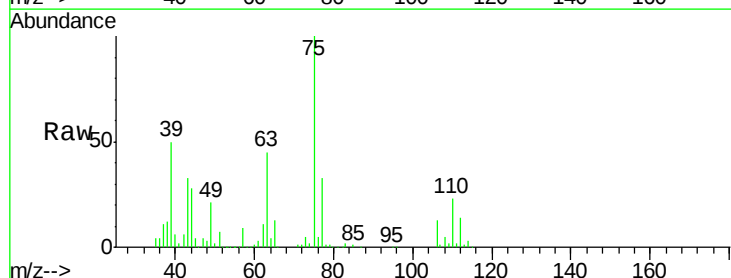
Tgt Ion: 75 Resp: 212812

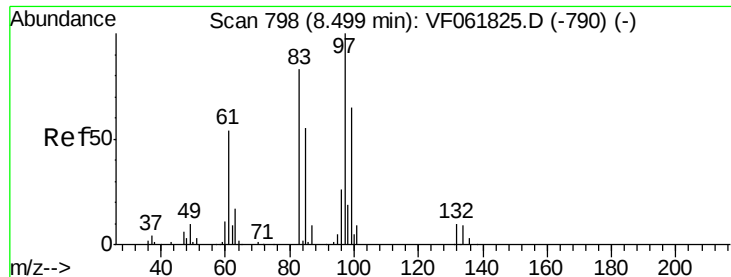
Ion Ratio Lower Upper

75 100

77 32.7 26.4 39.6

39 50.0 36.0 54.0





#55

1,1,2-Trichloroethane

Concen: 46.678 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

ICVVF030419

Tot Ion: 97 Resp: 96755

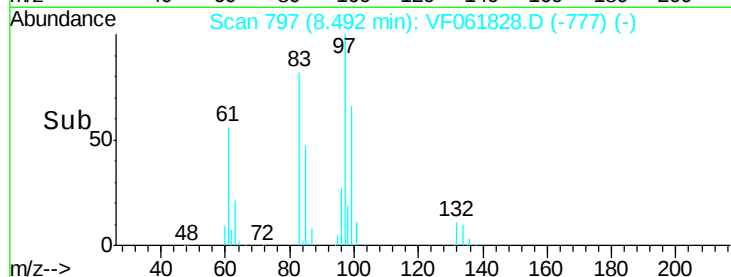
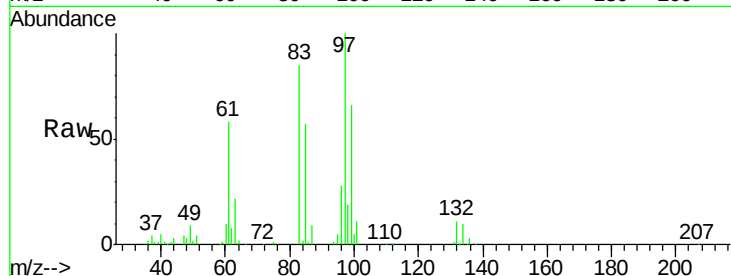
Ion	Ratio	Lower	Upper
97	100		
83	84.7	69.2	103.8
85	56.7	43.0	64.4
99	66.3	47.2	70.8

97 100

83 84.7 69.2 103.8

85 56.7 43.0 64.4

99 66.3 47.2 70.8

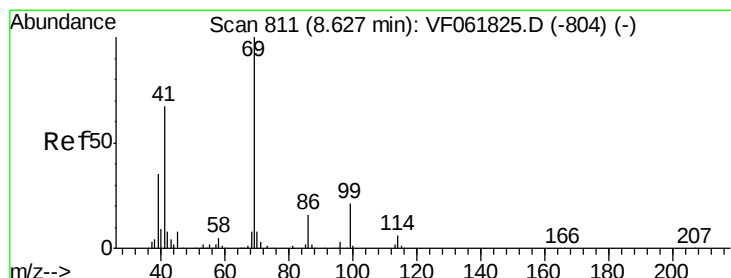
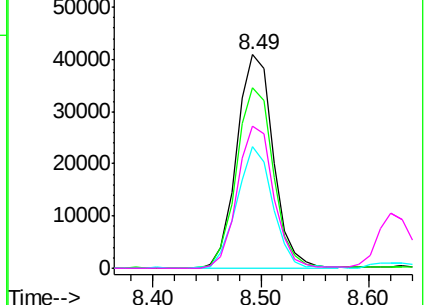


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 47.982 ug/l

RT: 8.62 min Scan# 810

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

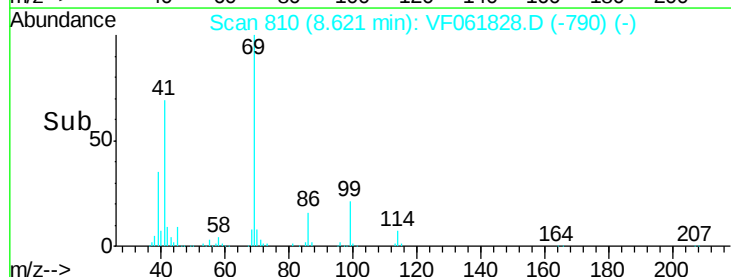
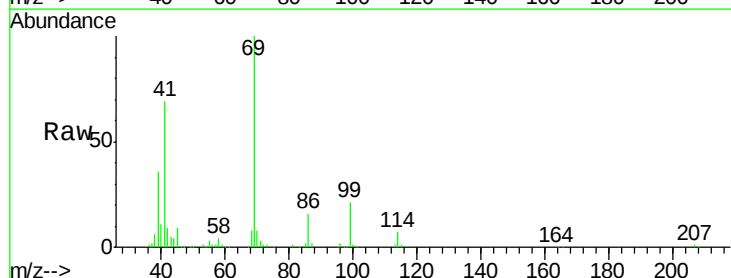
Tgt Ion: 69 Resp: 110732

Ion	Ratio	Lower	Upper
69	100		
41	69.4	52.9	79.3
39	36.3	24.5	36.7

69 100

41 69.4 52.9 79.3

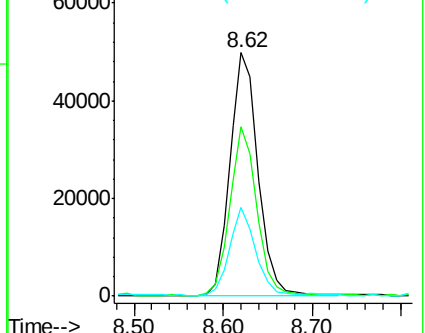
39 36.3 24.5 36.7

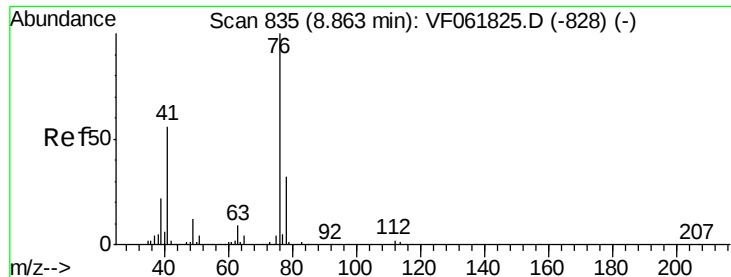


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 47.095 ug/l

RT: 8.86 min Scan# 834

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

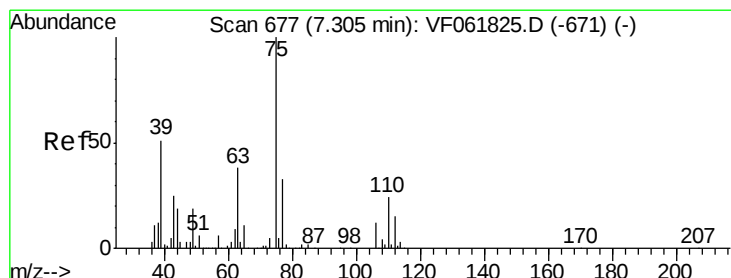
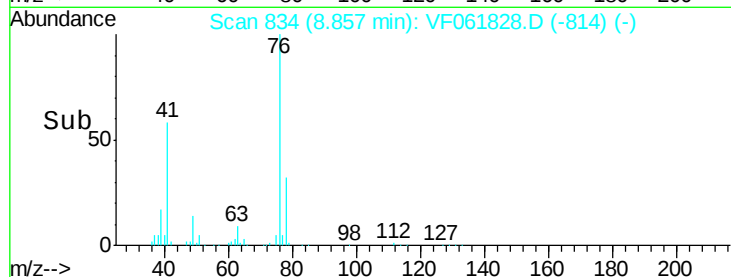
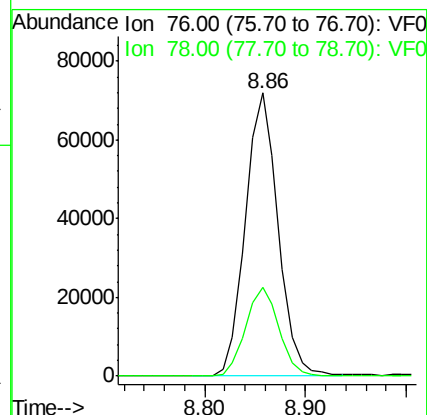
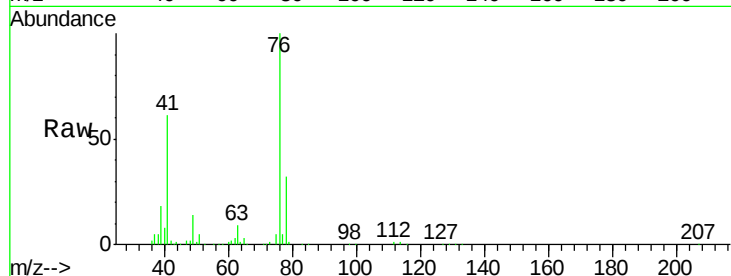
ICVVF030419

Tot Ion: 76 Resp: 162942

Ion Ratio Lower Upper

76 100

78 31.5 27.8 41.6



#58

2-Chloroethyl Vinyl ether

Concen: 226.423 ug/l

RT: 7.30 min Scan# 676

Delta R.T. -0.00 min

Lab File: VF061828.D

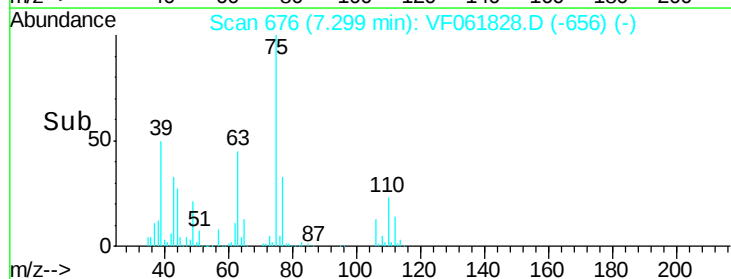
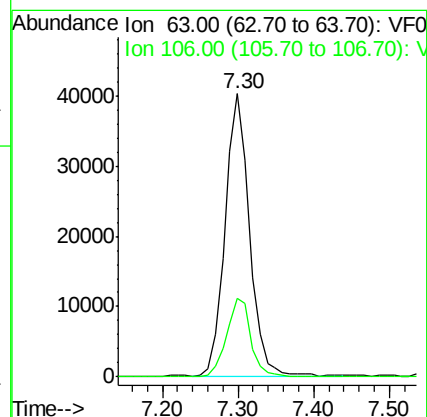
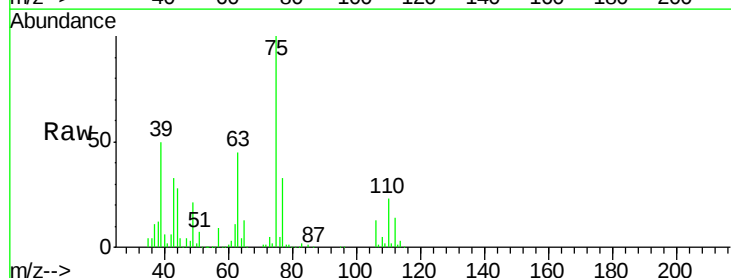
Acq: 4 Mar 2019 19:24

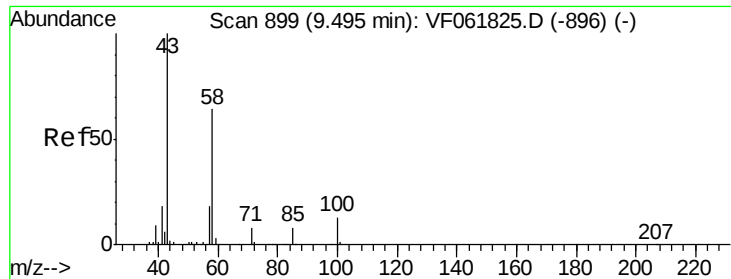
Tgt Ion: 63 Resp: 90157

Ion Ratio Lower Upper

63 100

106 27.9 24.6 36.8

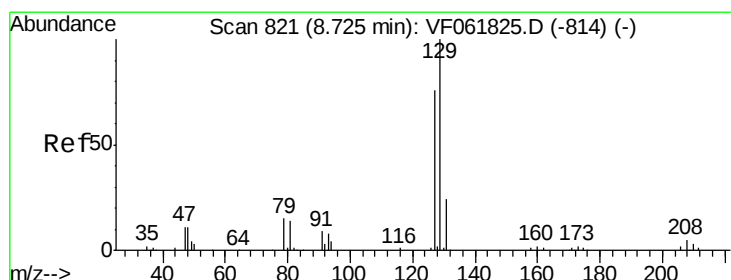
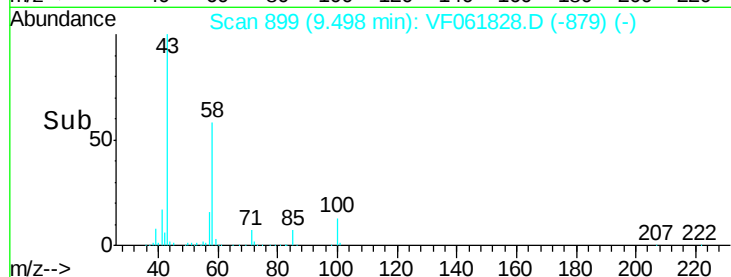
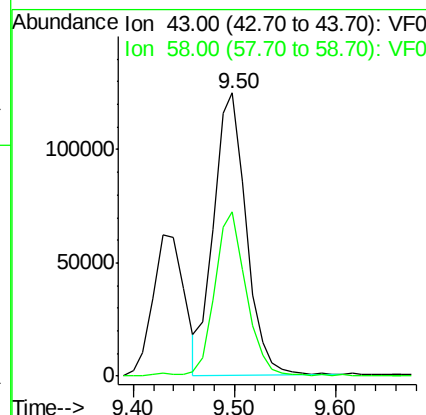
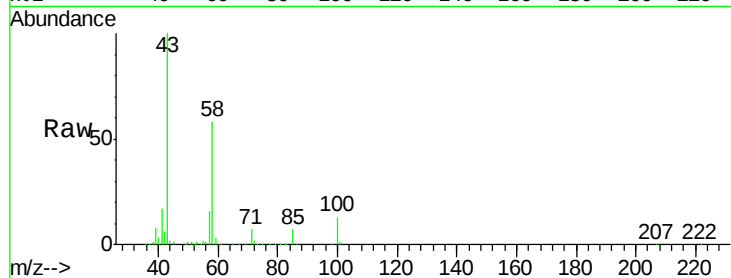




#59
2-Hexanone
Concen: 229.459 ug/l
RT: 9.50 min Scan# 899
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

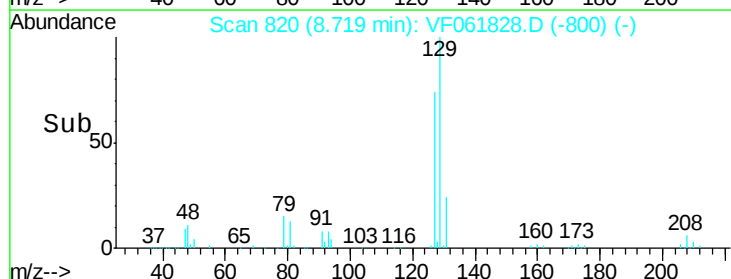
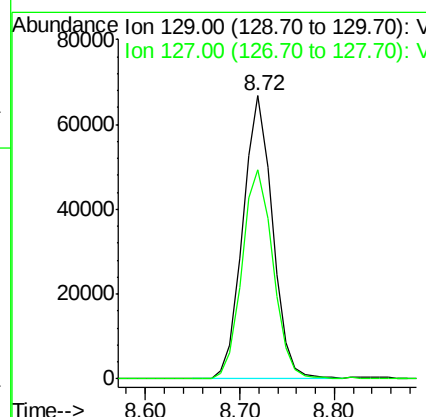
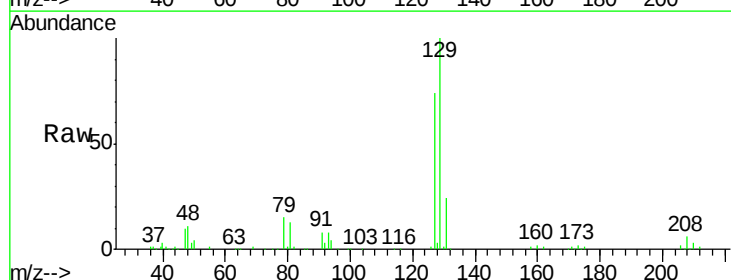
Instrument :
MSVOA_F
ClientSampleId :
ICVVF030419

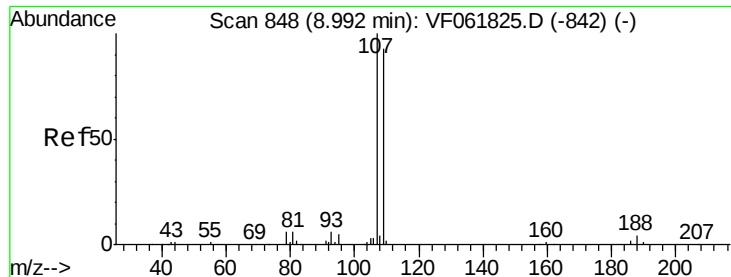
Tot Ion: 43 Resp: 281012
Ion Ratio Lower Upper
43 100
58 58.2 28.5 85.5



#60
Dibromochloromethane
Concen: 50.484 ug/l
RT: 8.72 min Scan# 820
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Tgt Ion: 129 Resp: 145652
Ion Ratio Lower Upper
129 100
127 74.1 37.8 113.4





#61

1,2-Dibromoethane

Concen: 49.466 ug/l

RT: 8.99 min Scan# 847

Delta R.T. -0.01 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

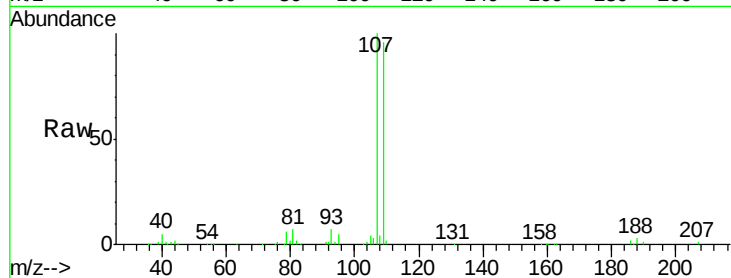
ICVVF030419

Tot Ion:107 Resp: 111212

Ion Ratio Lower Upper

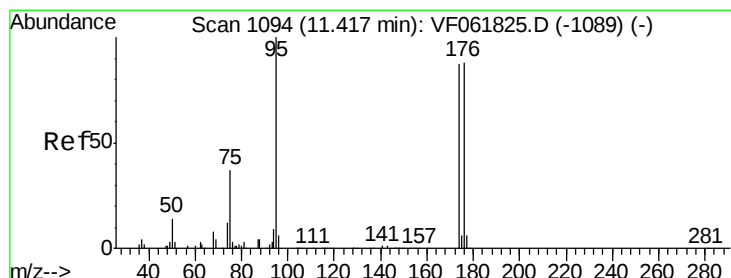
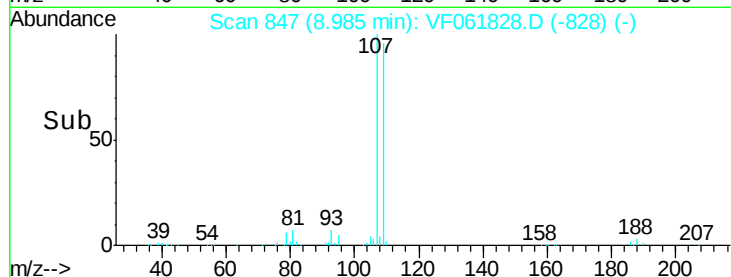
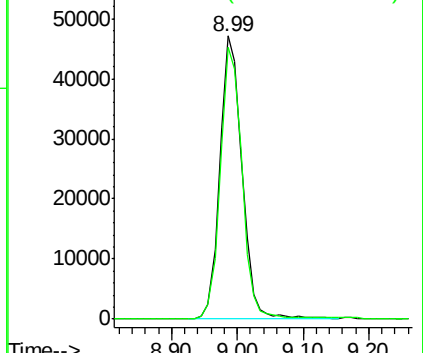
107 100

109 96.1 77.4 116.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 48.415 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

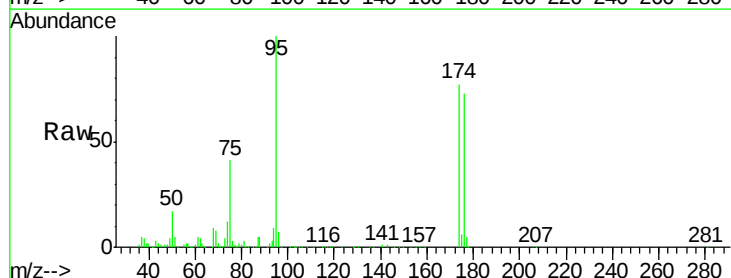
Tgt Ion: 95 Resp: 187744

Ion Ratio Lower Upper

95 100

174 77.4 0.0 165.8

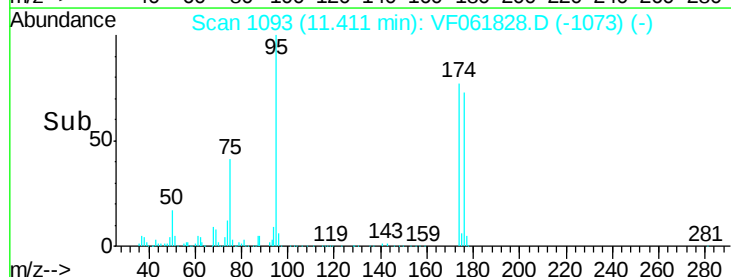
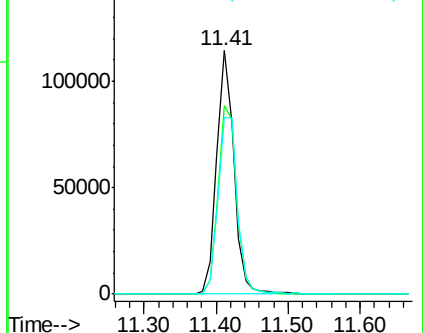
176 73.0 0.0 167.0

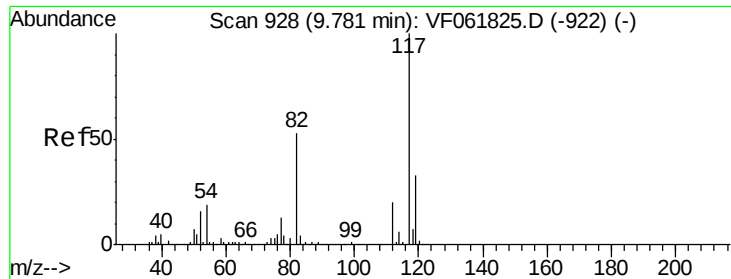


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

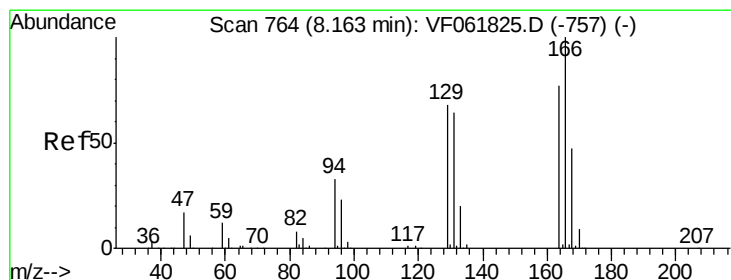
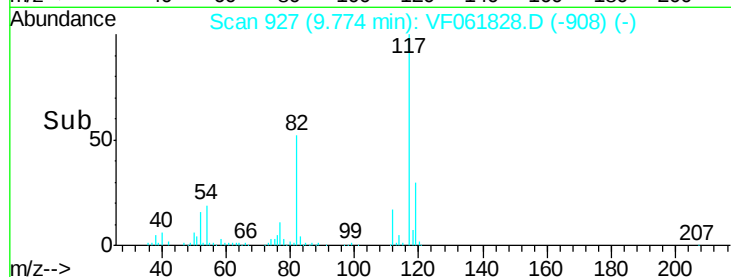
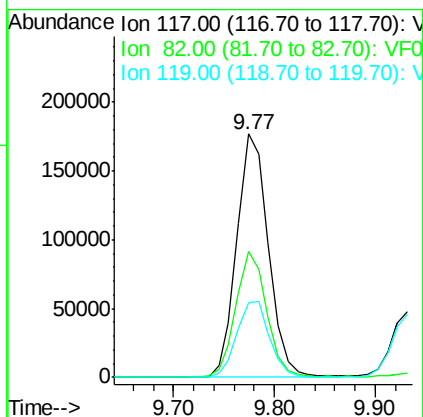
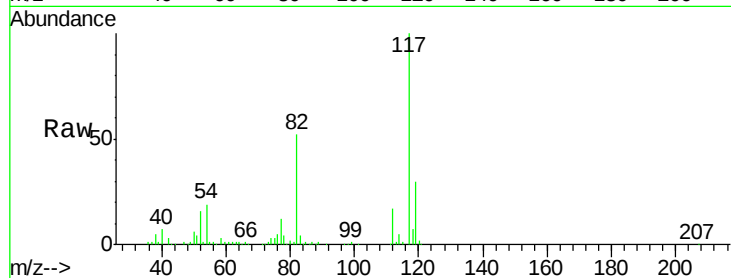




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.01 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

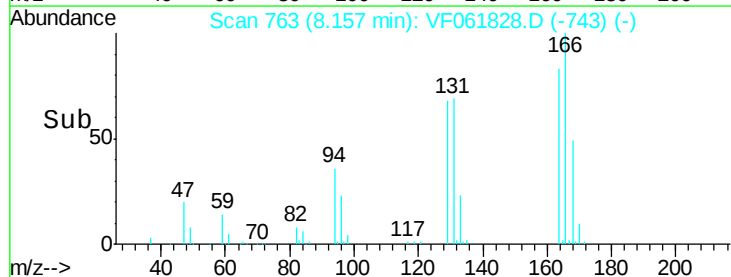
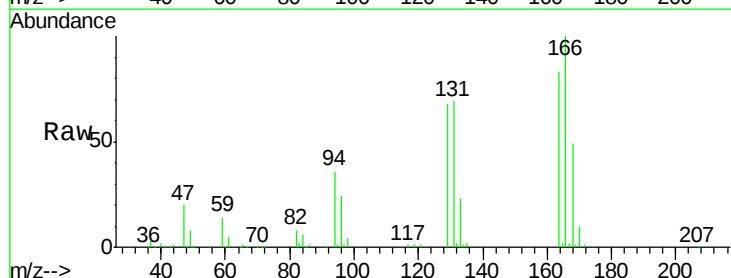
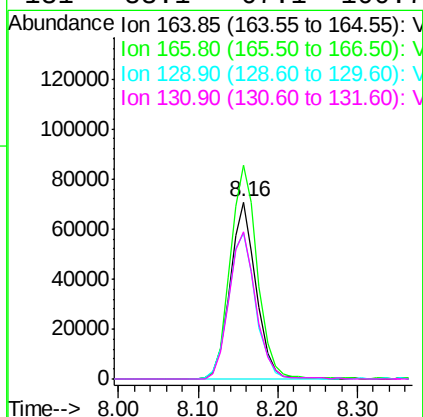
Instrument :
MSVOA_F
ClientSampleId :
ICVVF030419

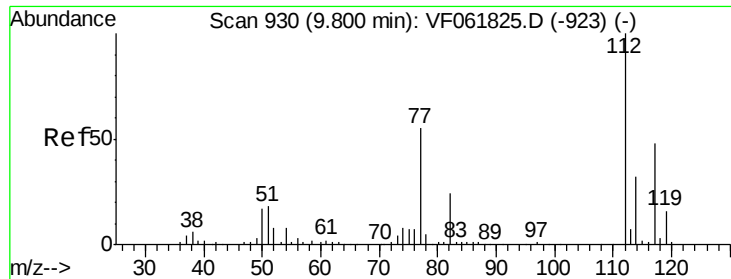
Tot Ion:117 Resp: 389189
Ion Ratio Lower Upper
117 100
82 51.9 39.3 58.9
119 30.5 26.6 40.0



#64
Tetrachloroethene
Concen: 50.643 ug/l
RT: 8.16 min Scan# 763
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Tgt Ion:164 Resp: 161103
Ion Ratio Lower Upper
164 100
166 120.5 103.9 155.9
129 82.4 71.3 106.9
131 83.1 67.1 100.7

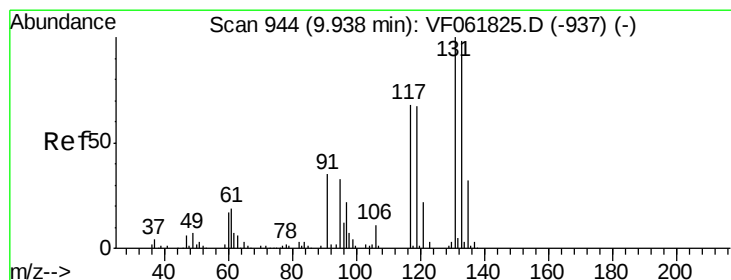
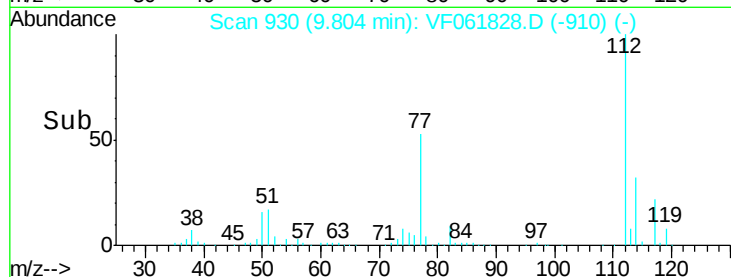
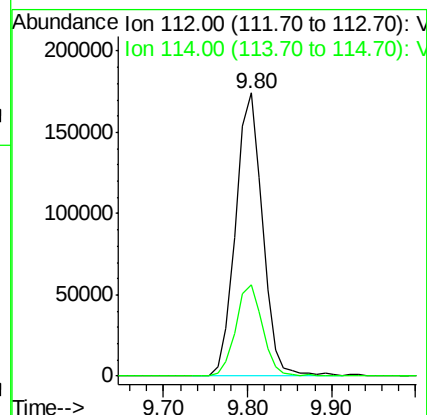
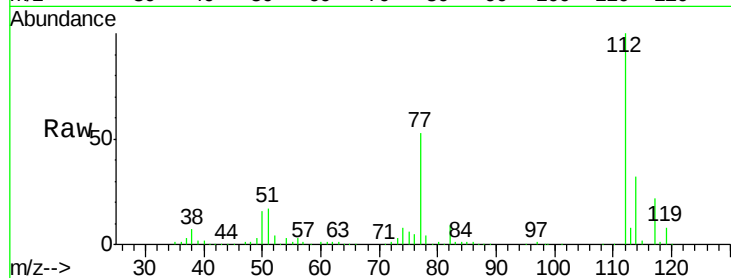




#65
Chlorobenzene
Concen: 49.205 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

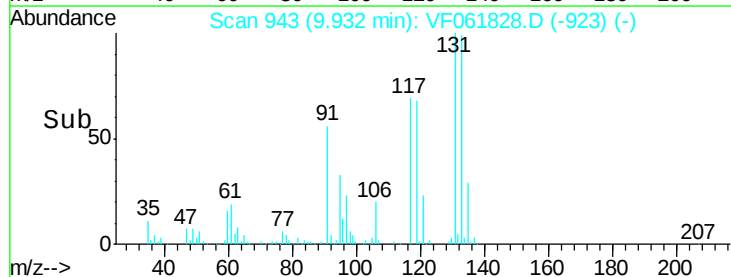
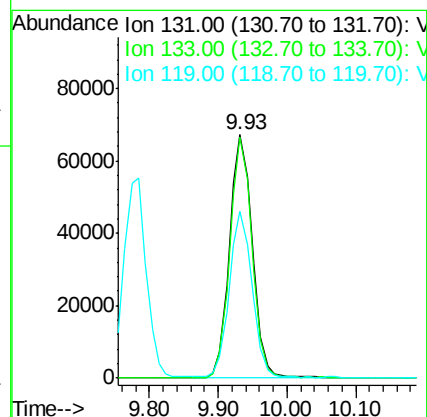
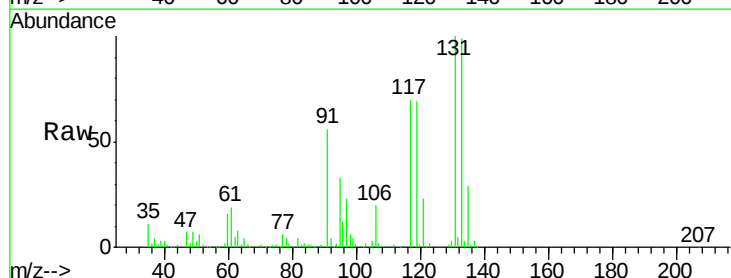
Instrument :
MSVOA_F
ClientSampleId :
ICVVF030419

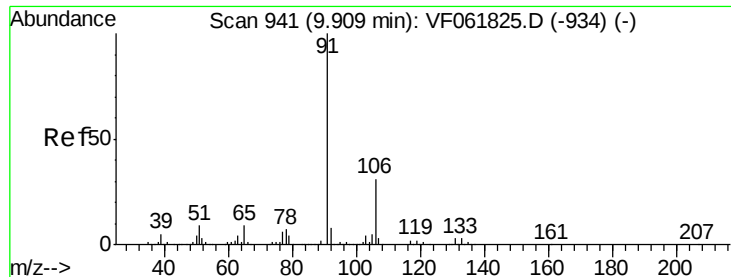
Tot Ion:112 Resp: 388600
Ion Ratio Lower Upper
112 100
114 32.3 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 50.059 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Tgt Ion:131 Resp: 154916
Ion Ratio Lower Upper
131 100
133 98.9 48.9 146.6
119 68.7 34.8 104.3





#67

Ethyl Benzene

Concen: 51.249 ug/l

RT: 9.90 min Scan# 940

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

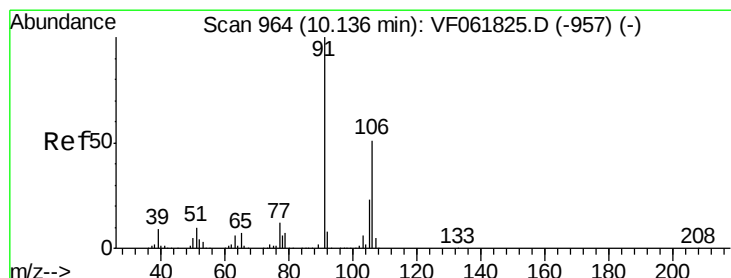
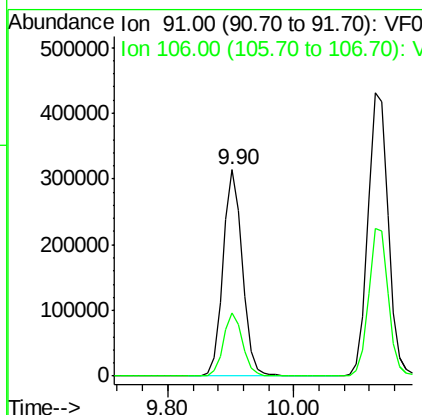
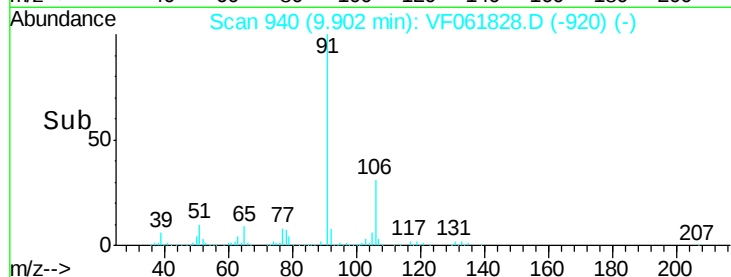
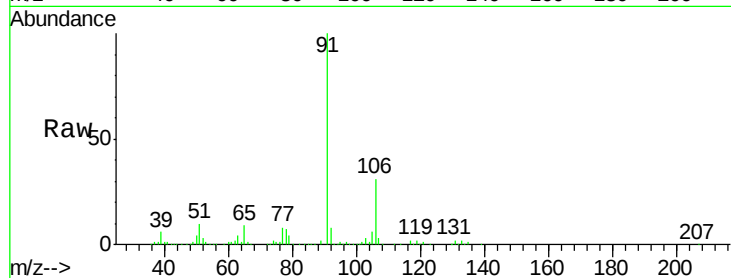
ICVVF030419

Tot Ion: 91 Resp: 673085

Ion Ratio Lower Upper

91 100

106 30.7 24.1 36.1



#68

m/p-Xylenes

Concen: 97.296 ug/l

RT: 10.13 min Scan# 963

Delta R.T. -0.01 min

Lab File: VF061828.D

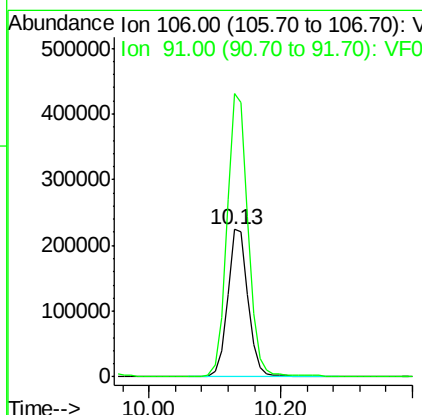
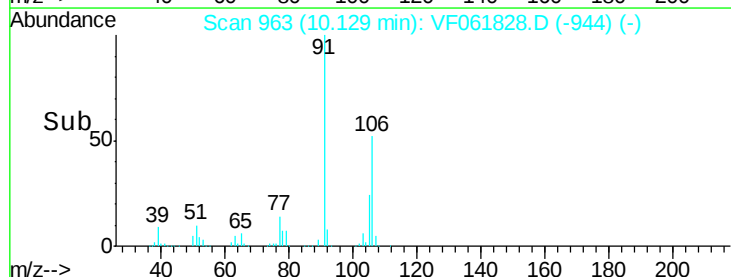
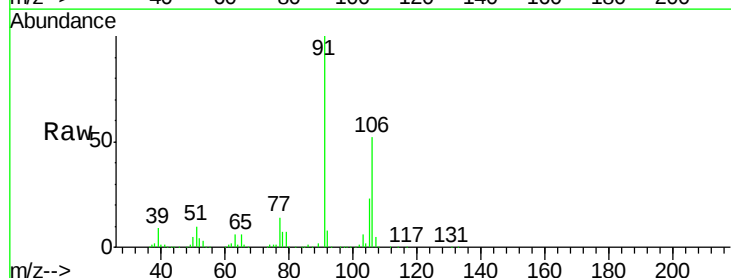
Acq: 4 Mar 2019 19:24

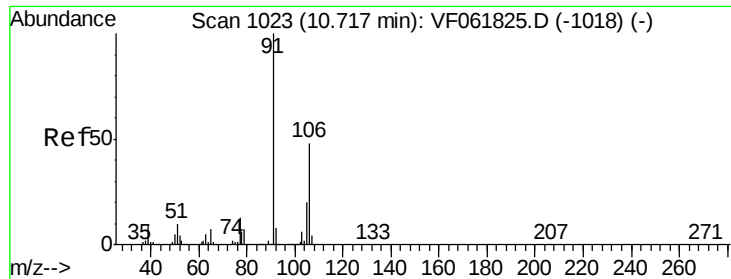
Tgt Ion: 106 Resp: 489048

Ion Ratio Lower Upper

106 100

91 192.1 153.0 229.6

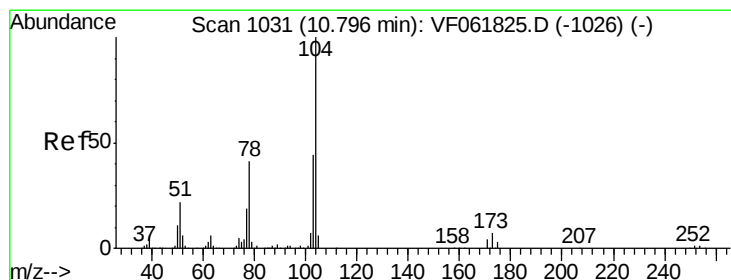
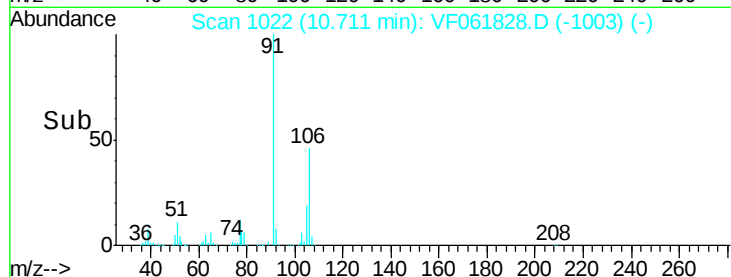
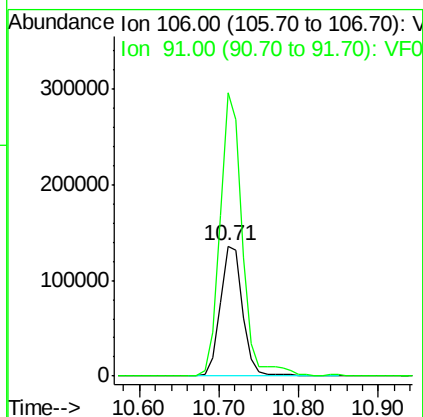
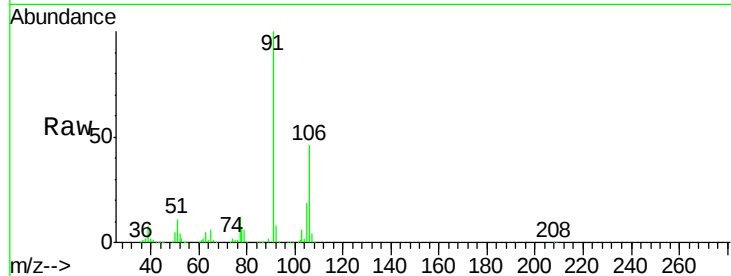




#69
o-Xylene
Concen: 50.441 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.01 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

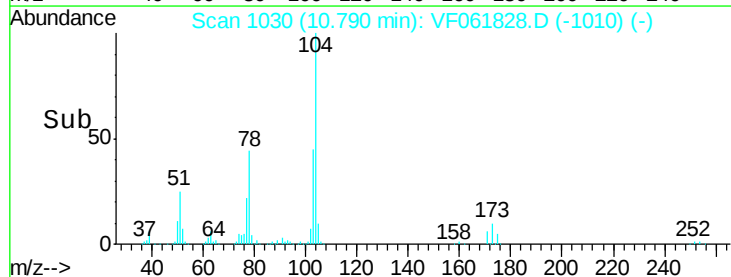
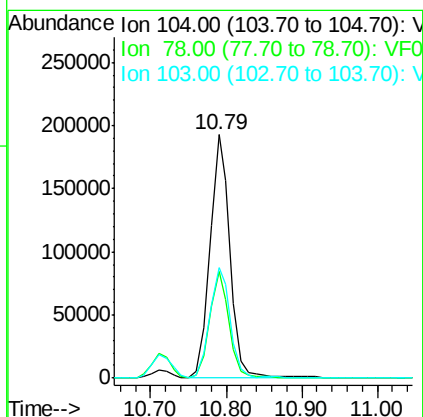
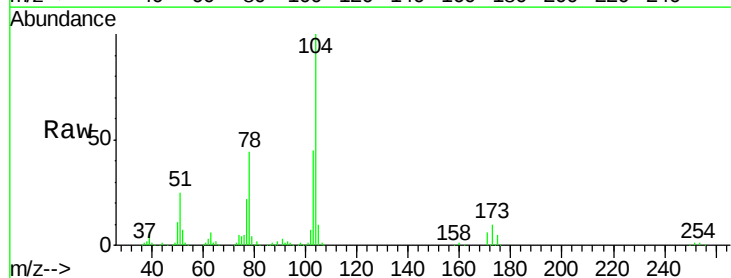
Instrument :
MSVOA_F
ClientSampleId :
ICVVF030419

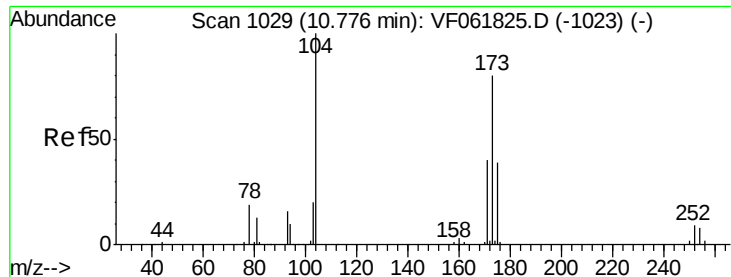
Tot Ion:106 Resp: 270538
Ion Ratio Lower Upper
106 100
91 217.6 100.1 300.1



#70
Styrene
Concen: 46.985 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Tgt Ion:104 Resp: 356495
Ion Ratio Lower Upper
104 100
78 43.7 33.2 49.8
103 45.3 37.2 55.8





#71

Bromoform

Concen: 46.967 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

ICVVF030419

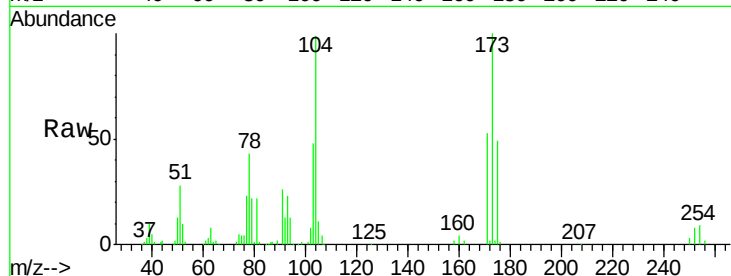
Tot Ion:173 Resp: 78925

Ion Ratio Lower Upper

173 100

175 49.0 24.0 72.0

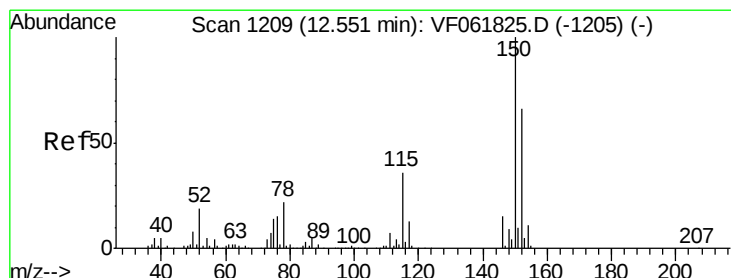
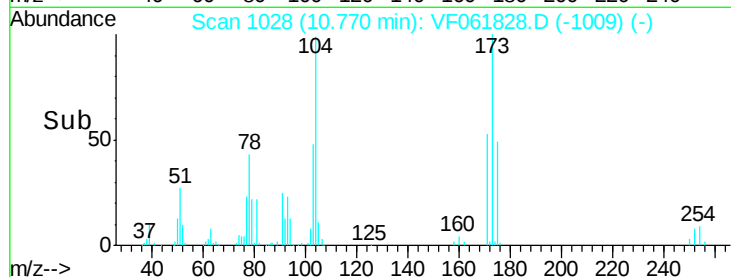
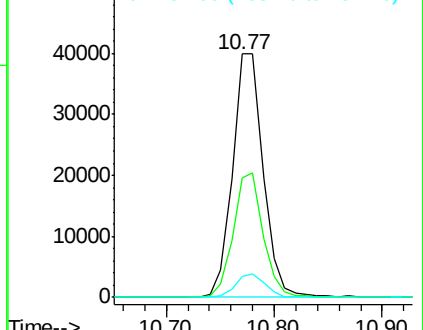
254 8.7 8.2 12.2



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

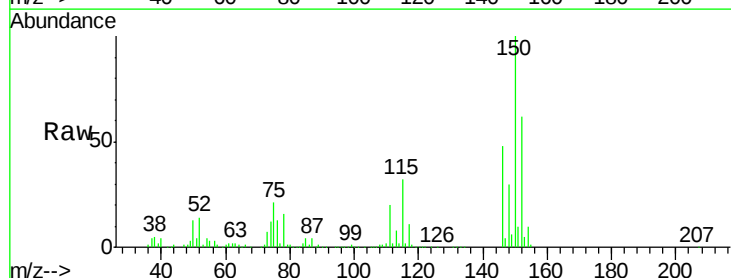
Tgt Ion:152 Resp: 204084

Ion Ratio Lower Upper

152 100

115 51.1 24.3 72.8

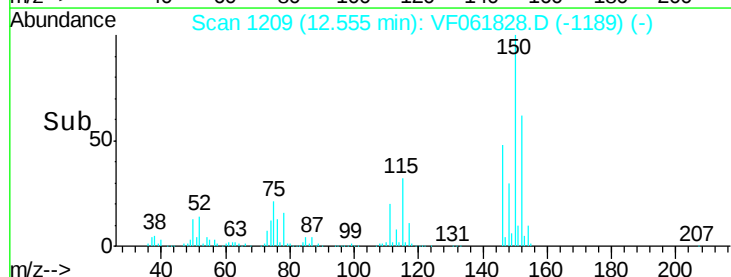
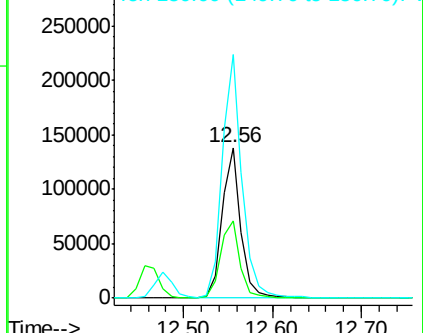
150 161.8 0.0 312.0

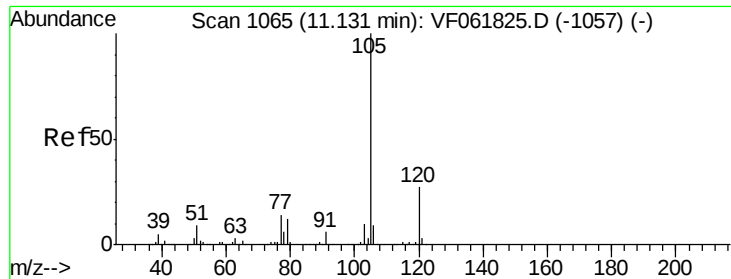


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 51.967 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

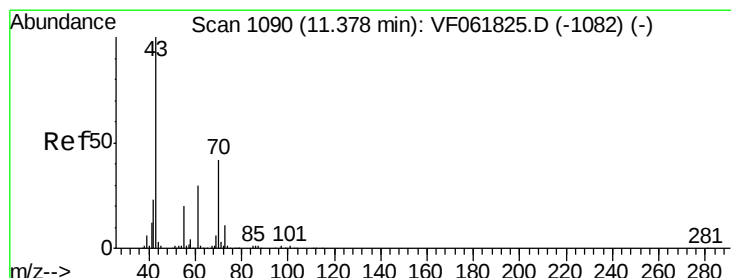
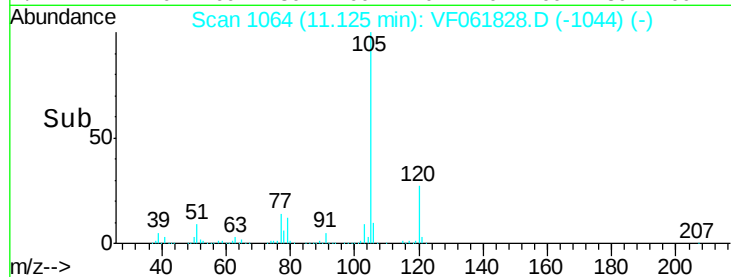
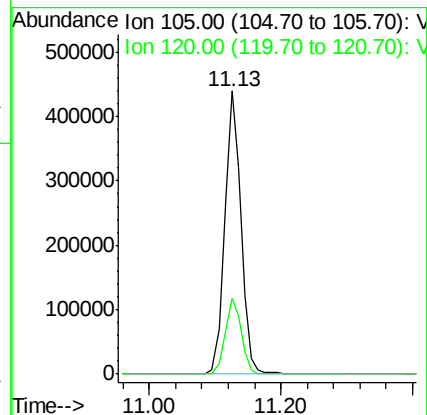
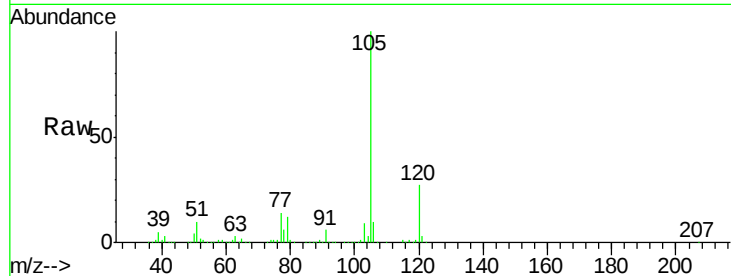
ICVVF030419

Tot Ion:105 Resp: 755107

Ion Ratio Lower Upper

105 100

120 27.0 13.4 40.1



#74

N-ethyl acetate

Concen: 50.505 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Tgt Ion: 43 Resp: 176145

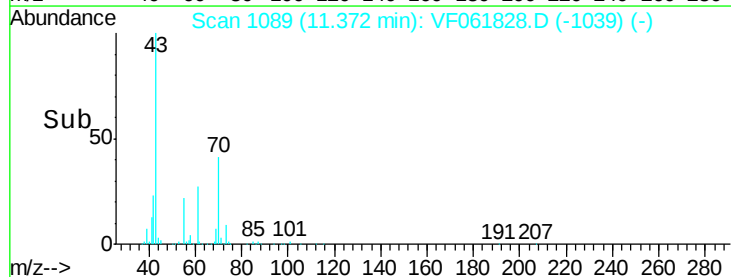
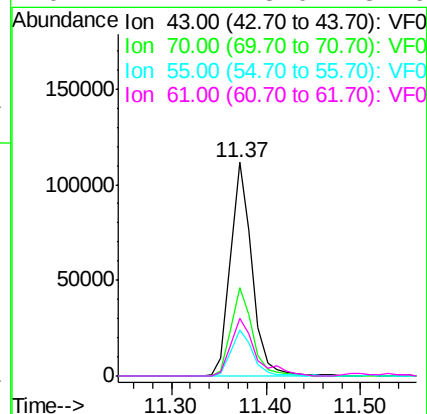
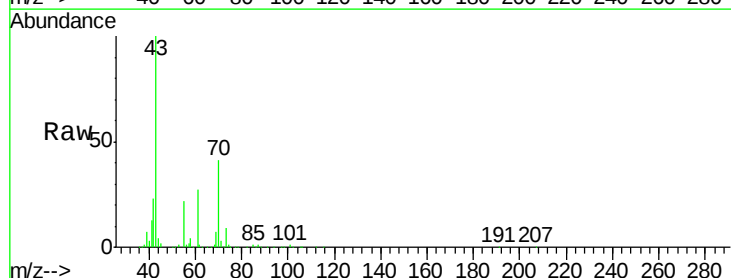
Ion Ratio Lower Upper

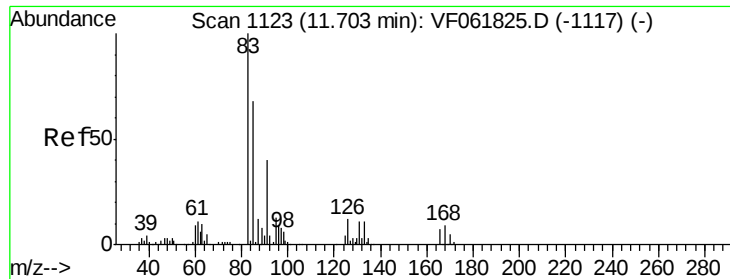
43 100

70 41.2 31.5 47.3

55 21.5 16.7 25.1

61 27.1 23.0 34.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.134 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

ICVVF030419

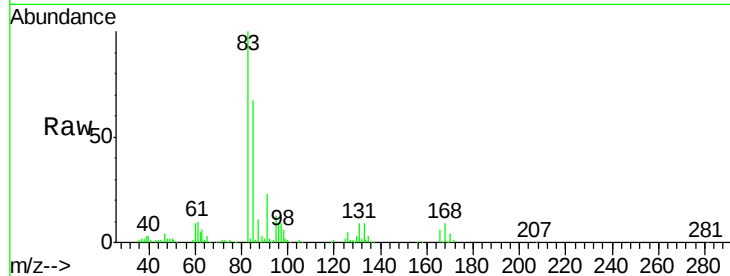
Tot Ion: 83 Resp: 127904

Ion Ratio Lower Upper

83 100

131 9.5 4.4 13.2

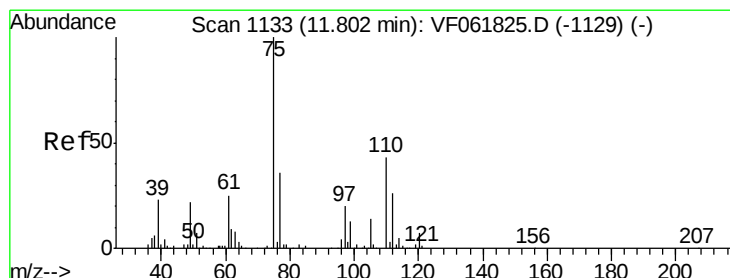
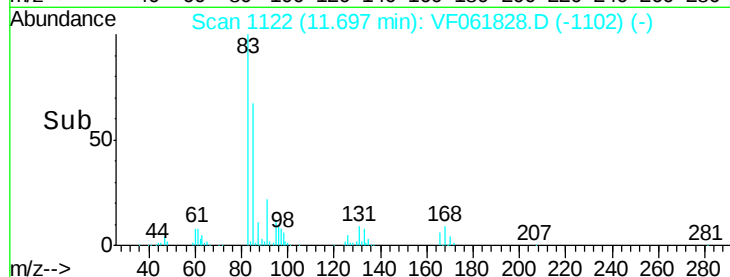
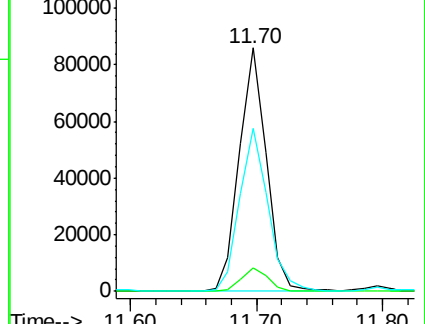
85 66.8 31.5 94.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 48.775 ug/l

RT: 11.80 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF061828.D

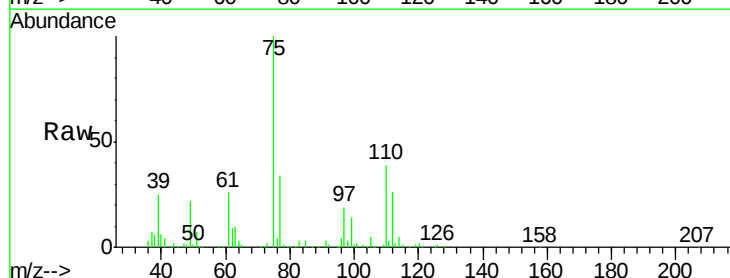
Acq: 4 Mar 2019 19:24

Tgt Ion: 75 Resp: 86325

Ion Ratio Lower Upper

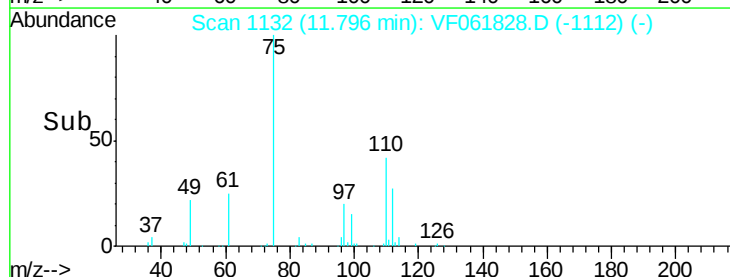
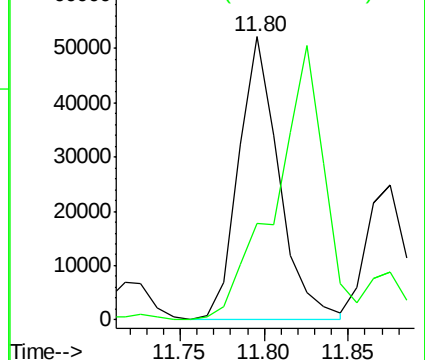
75 100

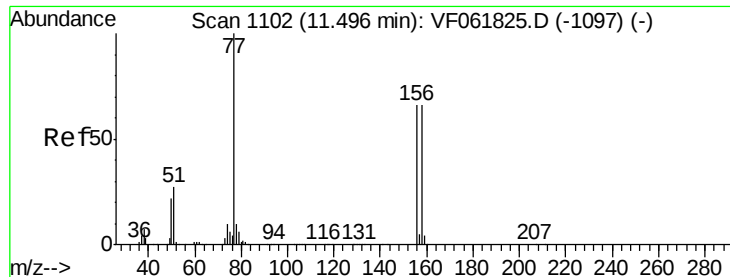
77 34.3 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 50.013 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

ICVVF030419

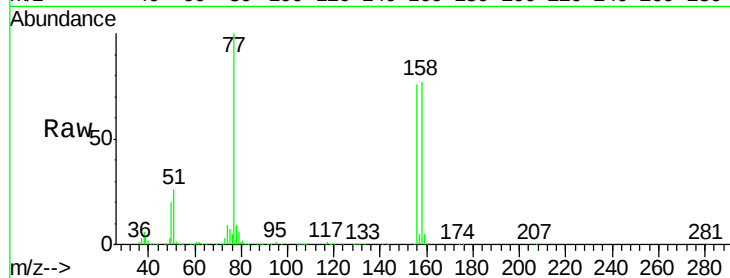
Tot Ion:156 Resp: 179529

Ion Ratio Lower Upper

156 100

77 132.1 64.3 192.7

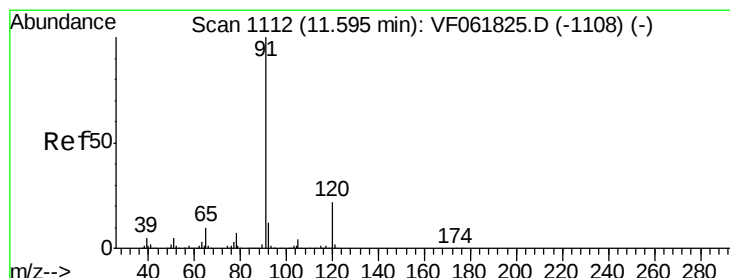
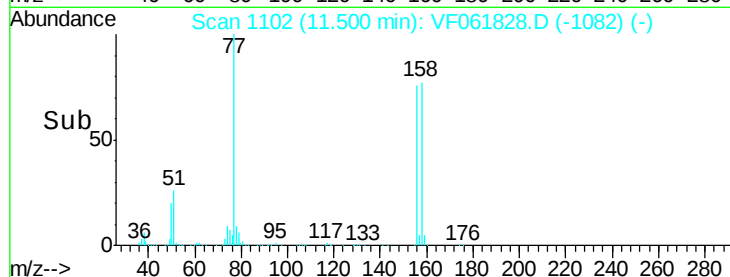
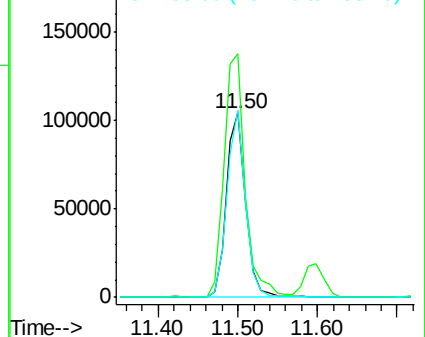
158 101.5 50.9 152.7



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: 50.938 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF061828.D

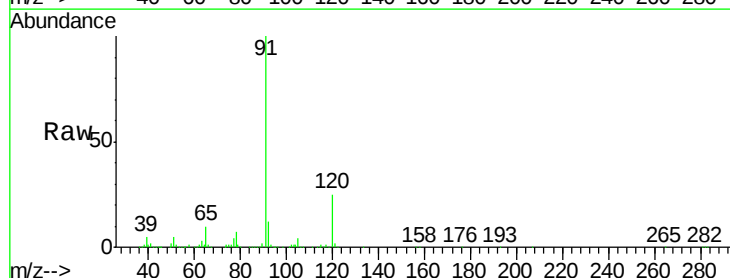
Acq: 4 Mar 2019 19:24

Tgt Ion: 91 Resp: 849346

Ion Ratio Lower Upper

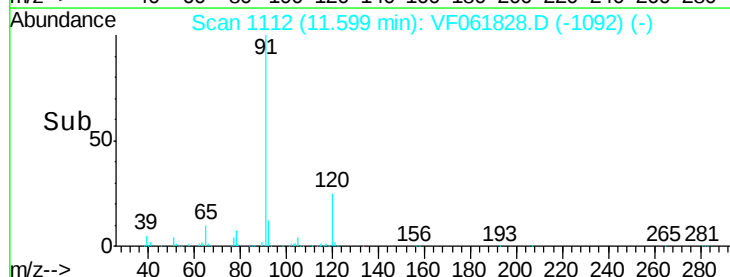
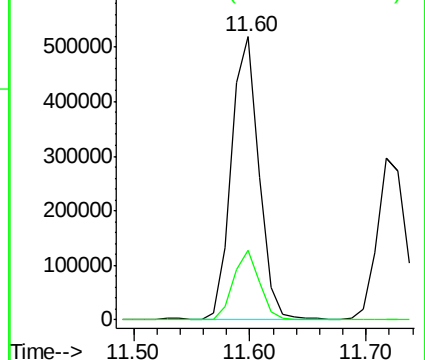
91 100

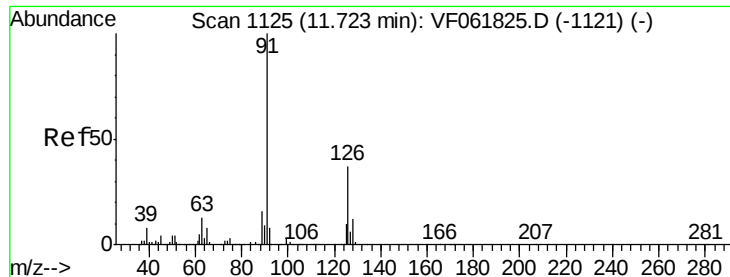
120 24.7 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.948 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

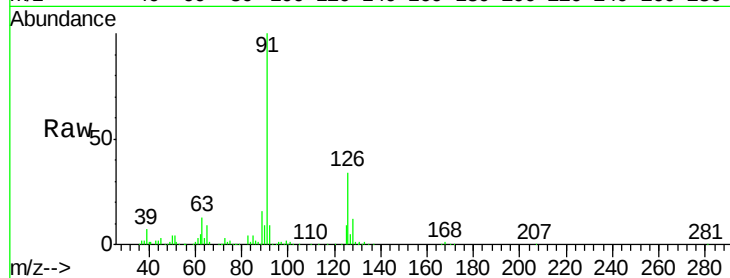
ICVVF030419

Tot Ion: 91 Resp: 494441

Ion Ratio Lower Upper

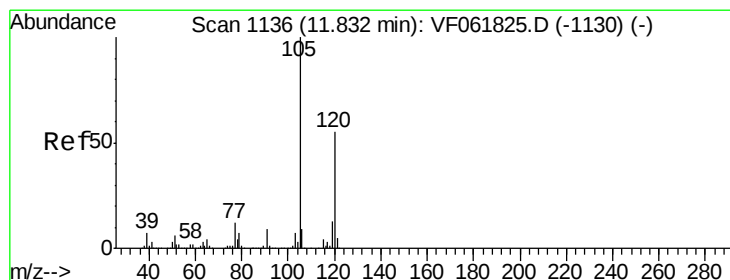
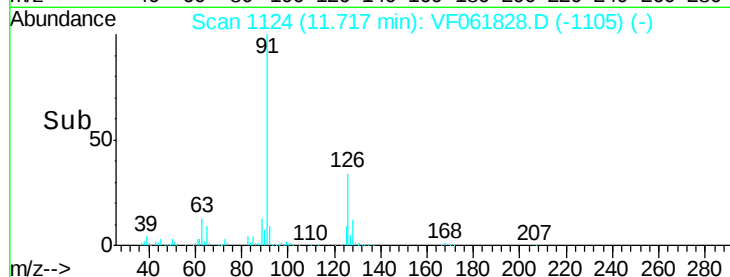
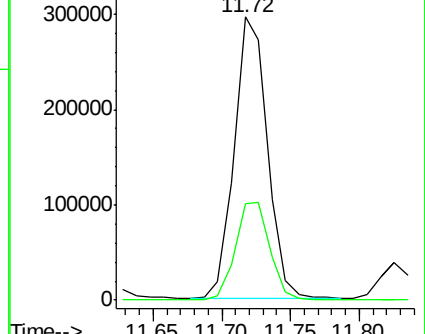
91 100

126 33.9 19.8 59.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 52.782 ug/l

RT: 11.83 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VF061828.D

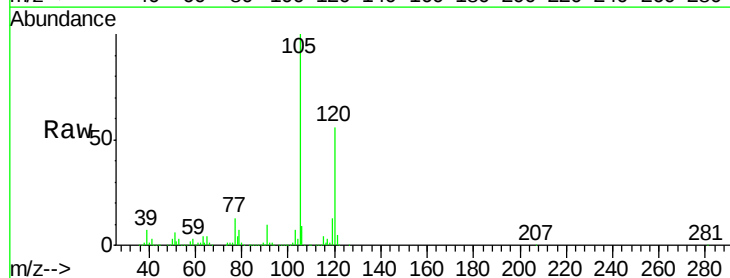
Acq: 4 Mar 2019 19:24

Tgt Ion:105 Resp: 612976

Ion Ratio Lower Upper

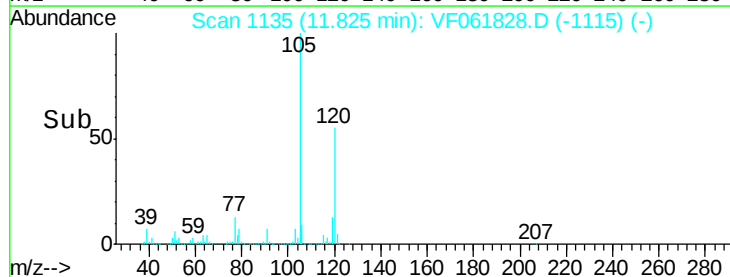
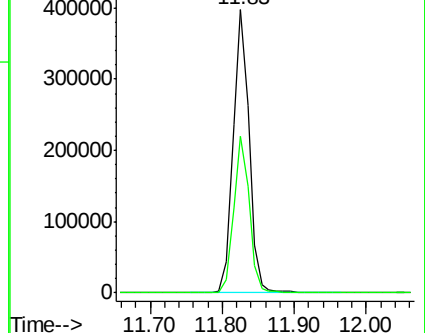
105 100

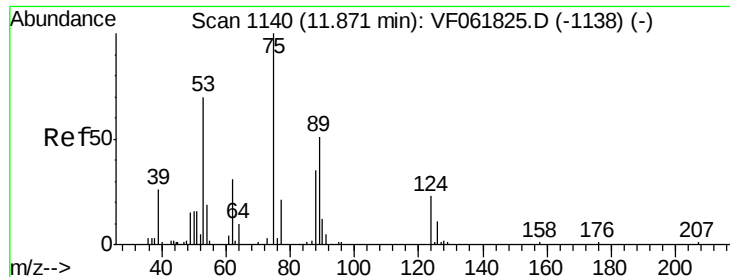
120 55.5 27.9 83.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 62.366 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

ICVVF030419

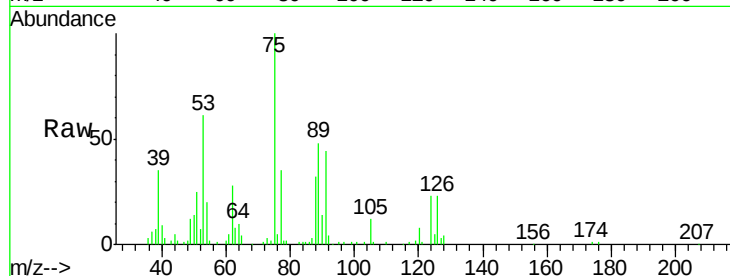
Tot Ion: 75 Resp: 52917

Ion Ratio Lower Upper

75 100

53 60.7 53.7 80.5

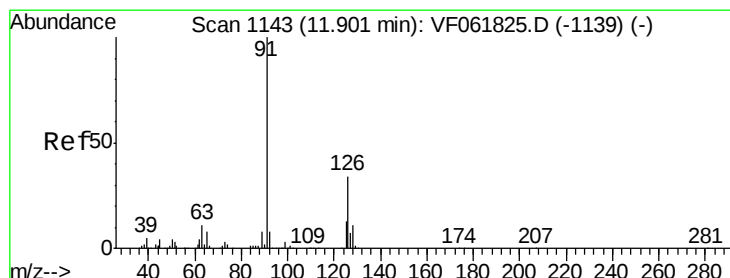
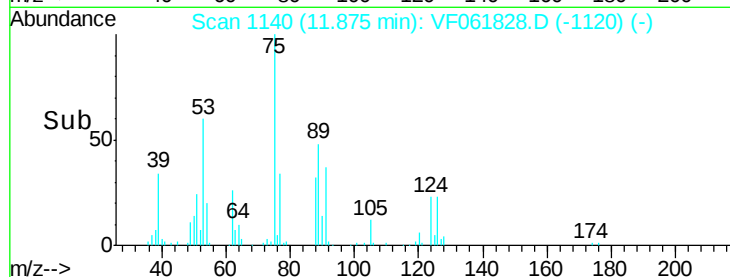
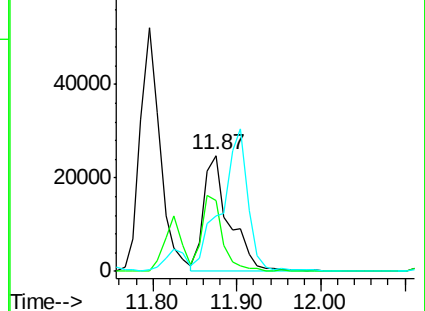
89 48.1 41.6 62.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 49.674 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VF061828.D

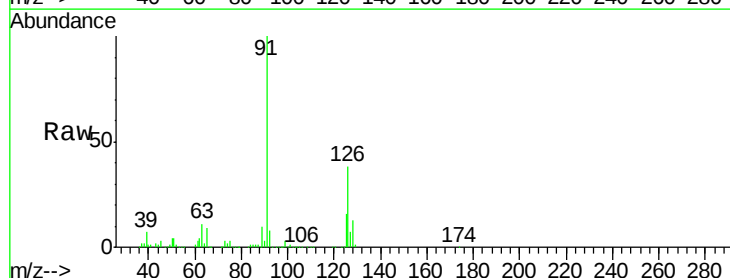
Acq: 4 Mar 2019 19:24

Tgt Ion: 91 Resp: 481470

Ion Ratio Lower Upper

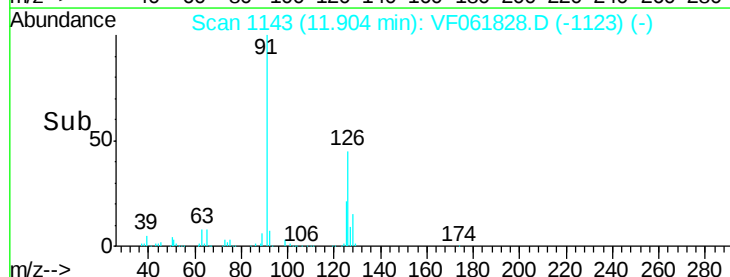
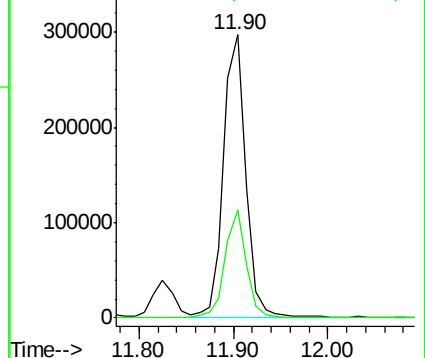
91 100

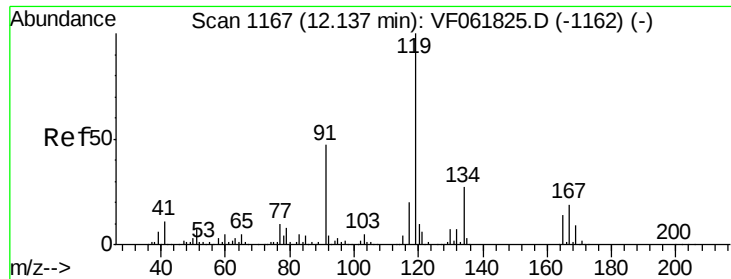
126 38.3 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

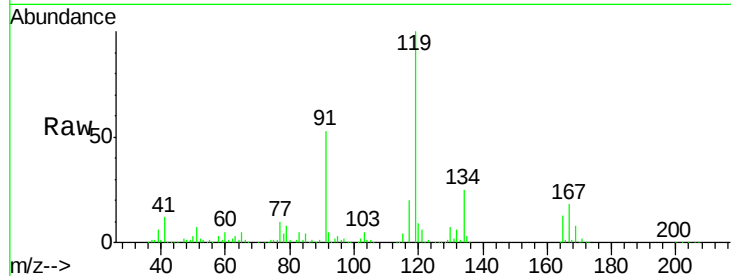




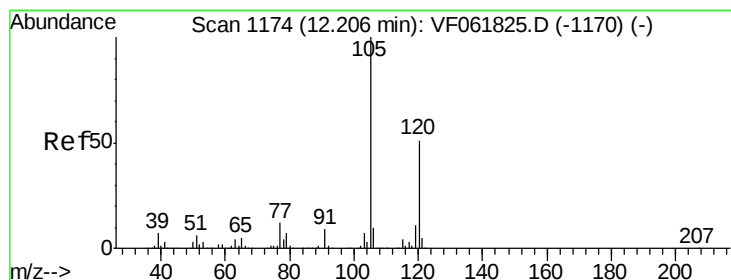
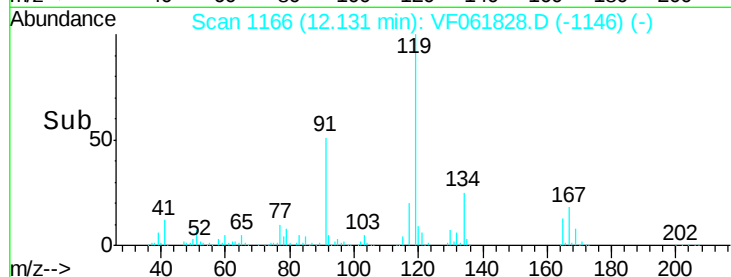
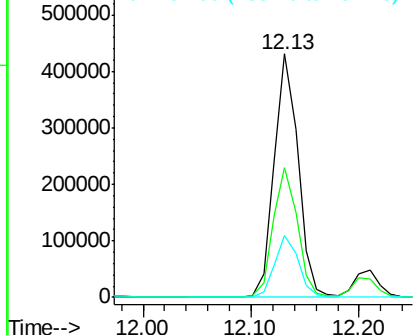
#83
tert-Butylbenzene
Concen: 51.611 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Instrument :
MSVOA_F
ClientSampleId :
ICVVF030419

Tot Ion:119 Resp: 663866
Ion Ratio Lower Upper
119 100
91 53.2 26.3 78.8
134 25.3 12.9 38.7

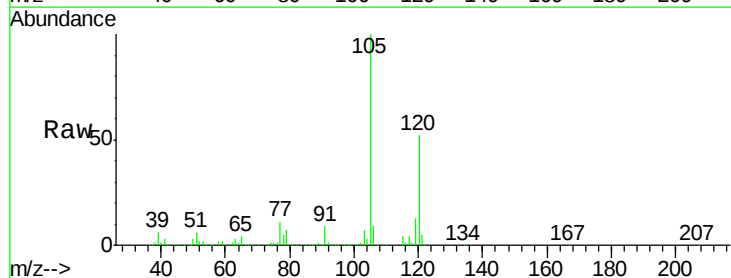


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

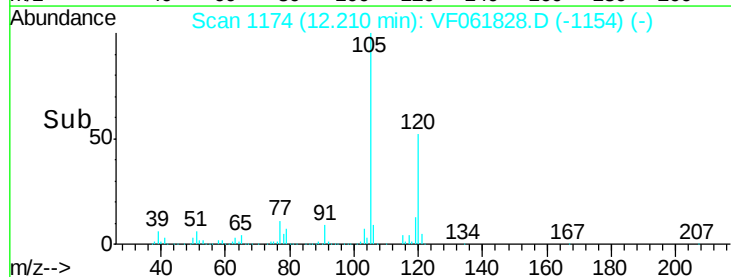
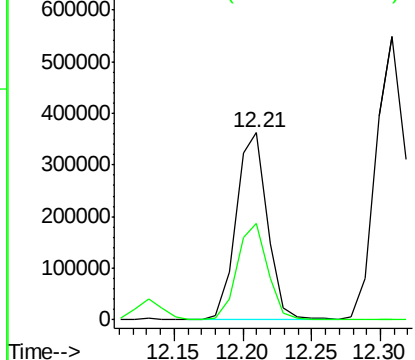


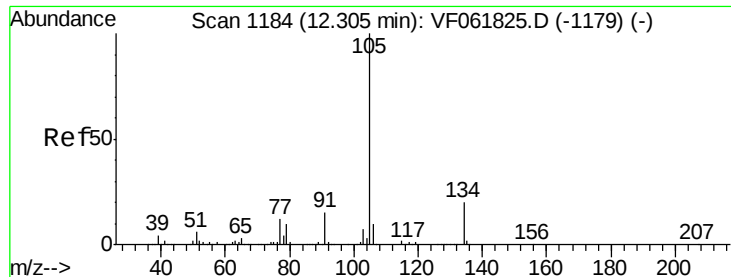
#84
1,2,4-Trimethylbenzene
Concen: 49.744 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Tgt Ion:105 Resp: 573925
Ion Ratio Lower Upper
105 100
120 51.9 26.1 78.3



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

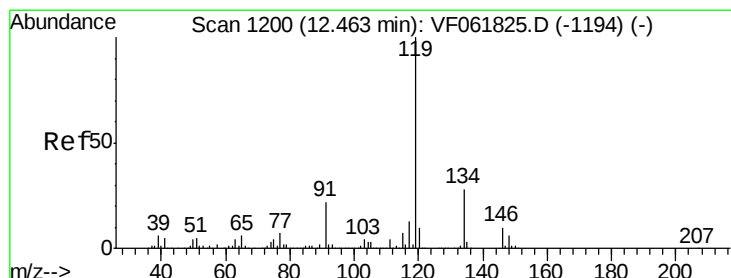
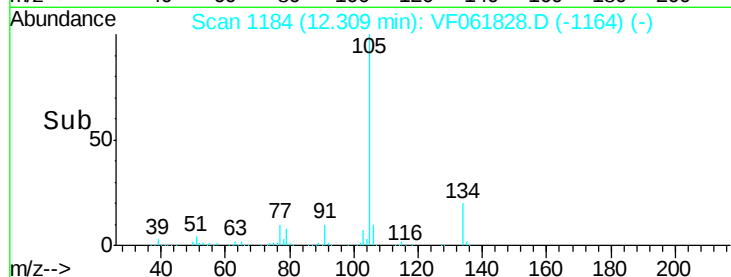
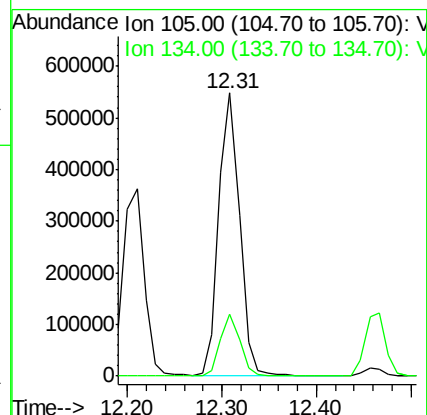
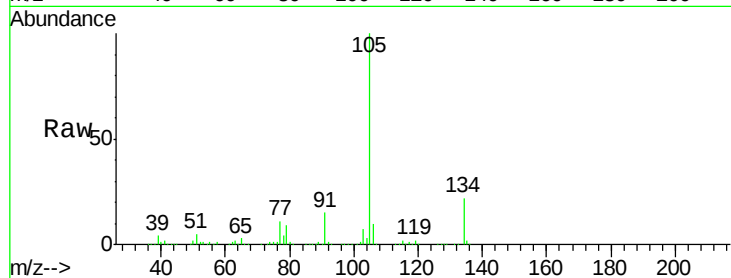




#85
 sec-Butylbenzene
 Concen: 50.583 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. -0.00 min
 Lab File: VF061828.D
 Acq: 4 Mar 2019 19:24

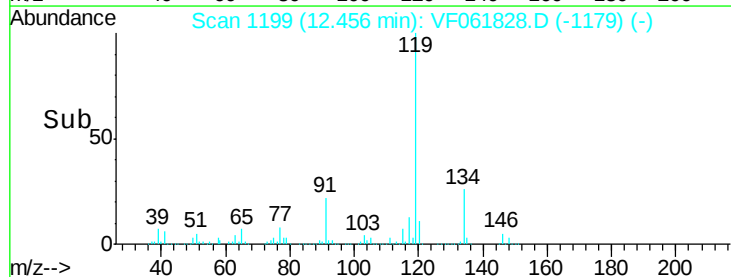
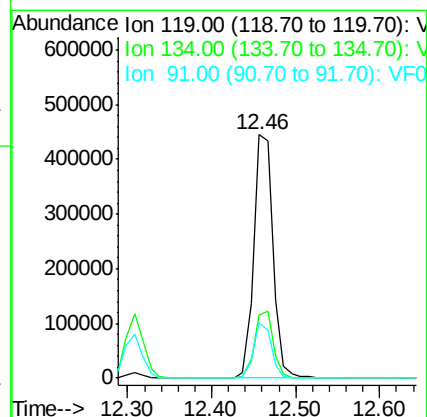
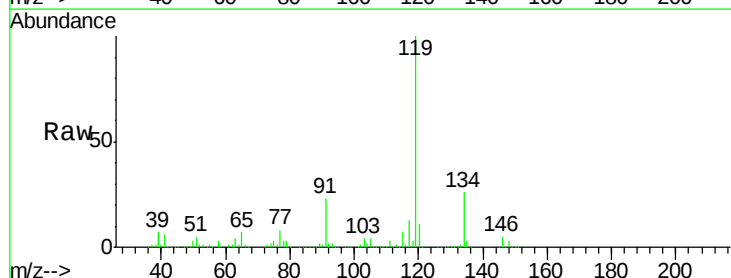
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF030419

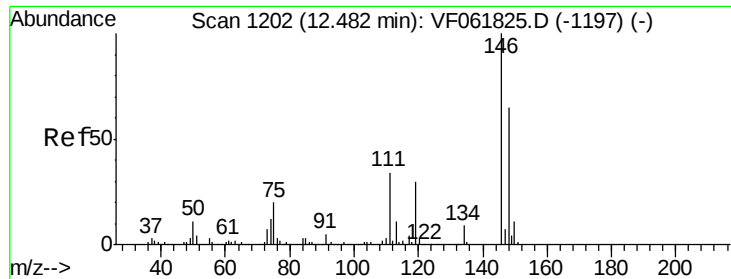
Tot Ion:105 Resp: 841396
 Ion Ratio Lower Upper
 105 100
 134 21.7 10.8 32.4



#86
 p-Isopropyltoluene
 Concen: 51.079 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VF061828.D
 Acq: 4 Mar 2019 19:24

Tgt Ion:119 Resp: 713054
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.7 41.1
 91 22.5 10.8 32.4

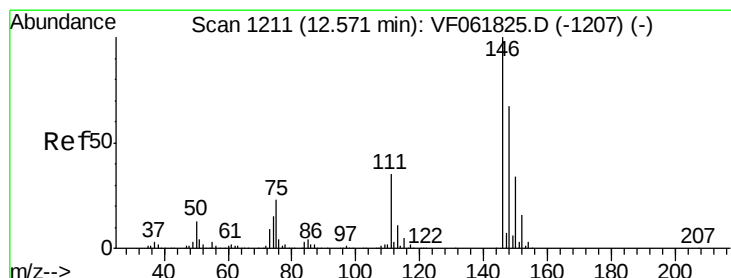
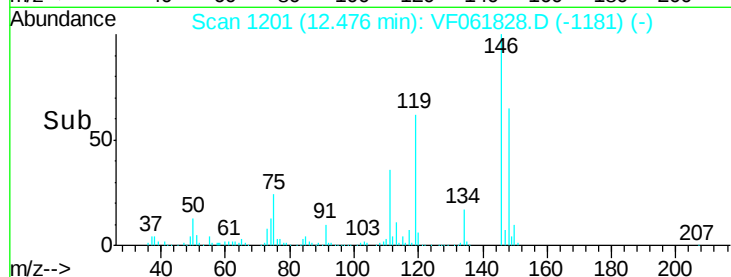
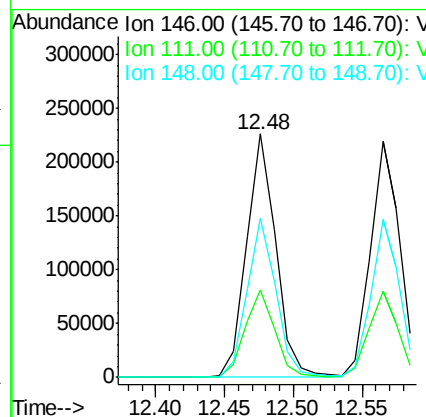
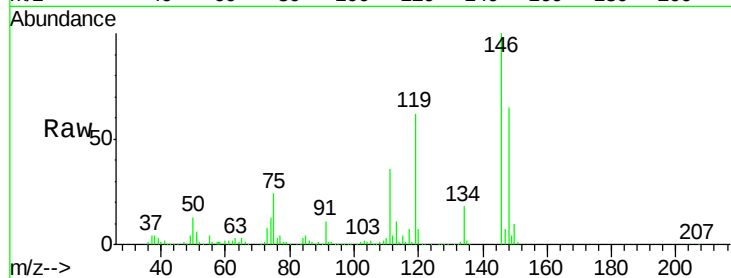




#87
 1,3-Dichlorobenzene
 Concen: 48.347 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF061828.D
 Acq: 4 Mar 2019 19:24

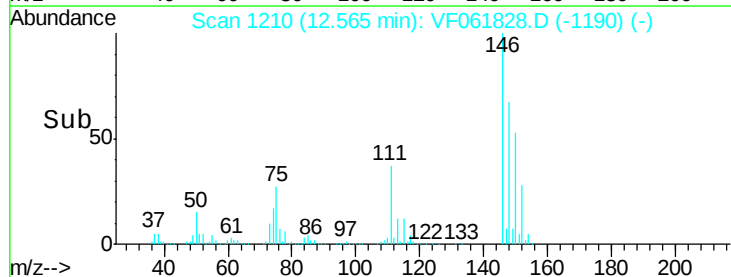
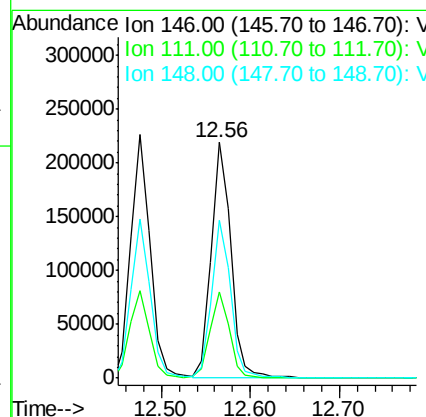
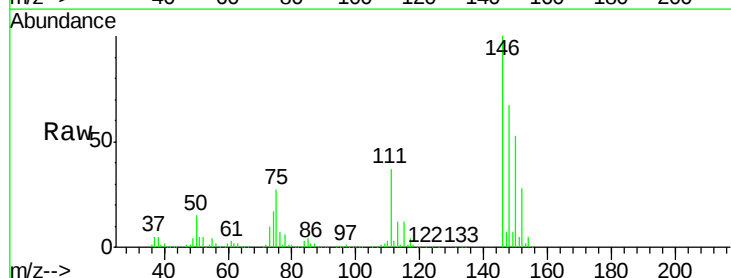
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF030419

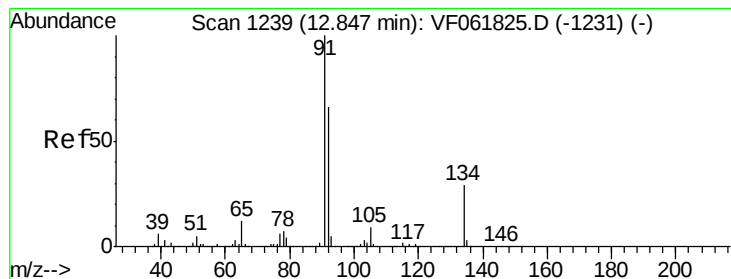
Tot Ion:146 Resp: 338334
 Ion Ratio Lower Upper
 146 100
 111 35.8 17.5 52.6
 148 65.4 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 49.575 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF061828.D
 Acq: 4 Mar 2019 19:24

Tgt Ion:146 Resp: 333650
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.4 55.4
 148 67.1 32.2 96.6





#89

n-Butylbenzene

Concen: 48.242 ug/l

RT: 12.84 min Scan# 1238

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

ICVVF030419

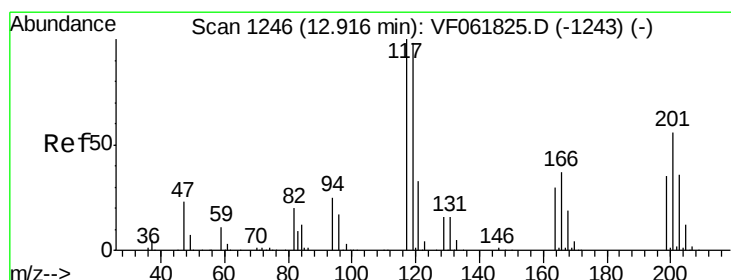
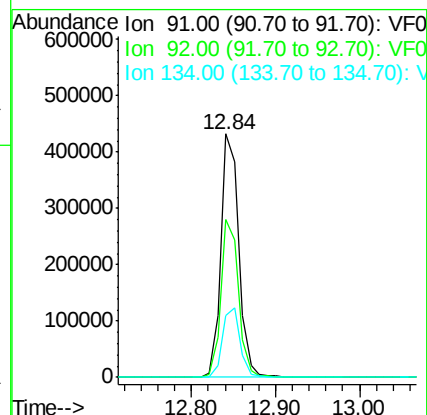
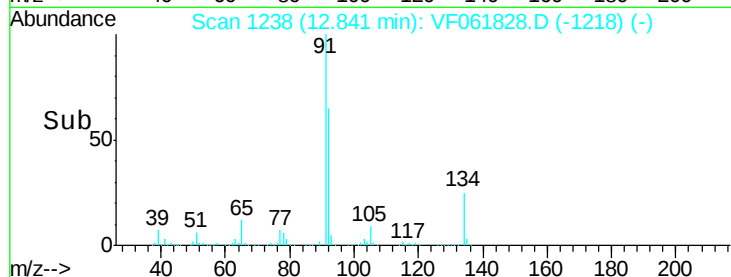
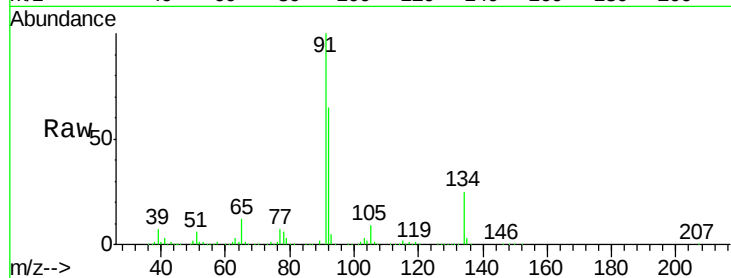
Tot Ion: 91 Resp: 635922

Ion Ratio Lower Upper

91 100

92 64.7 31.4 94.3

134 25.2 12.3 36.9



#90

Hexachloroethane

Concen: 53.582 ug/l

RT: 12.92 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VF061828.D

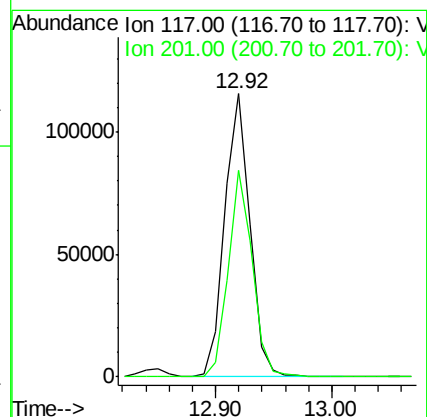
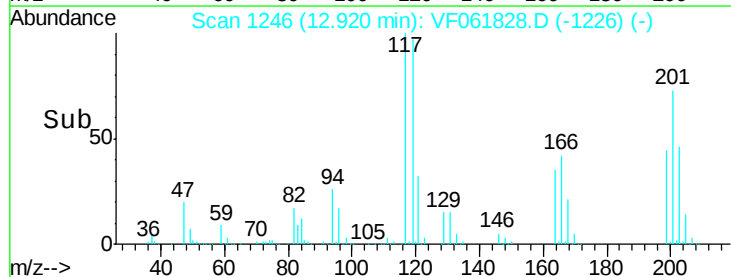
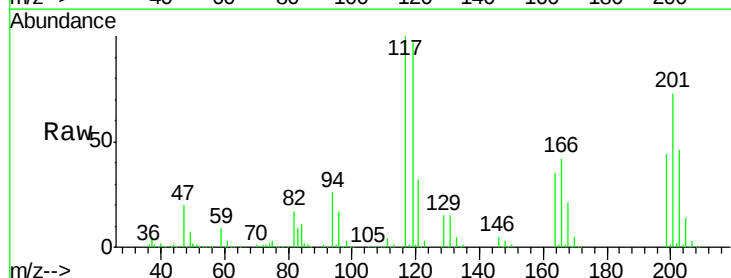
Acq: 4 Mar 2019 19:24

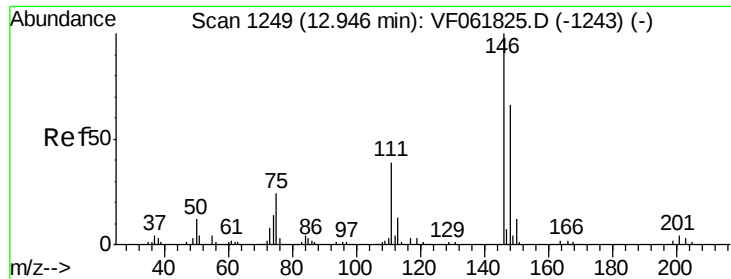
Tgt Ion: 117 Resp: 173962

Ion Ratio Lower Upper

117 100

201 72.9 36.2 108.6





#91

1,2-Dichlorobenzene

Concen: 46.971 ug/l

RT: 12.94 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

ICVVF030419

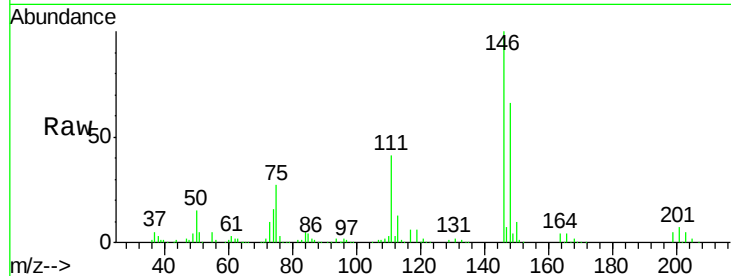
Tot Ion:146 Resp: 312651

Ion Ratio Lower Upper

146 100

111 41.1 20.2 60.5

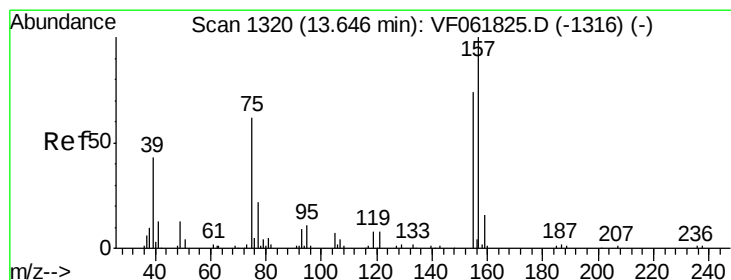
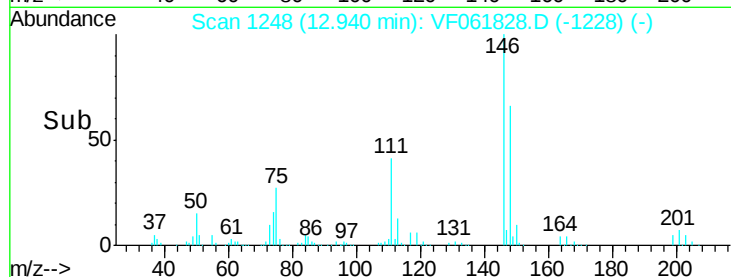
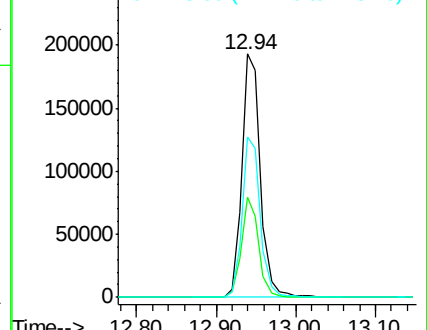
148 66.1 32.3 96.9



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: 50.178 ug/l

RT: 13.64 min Scan# 1319

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

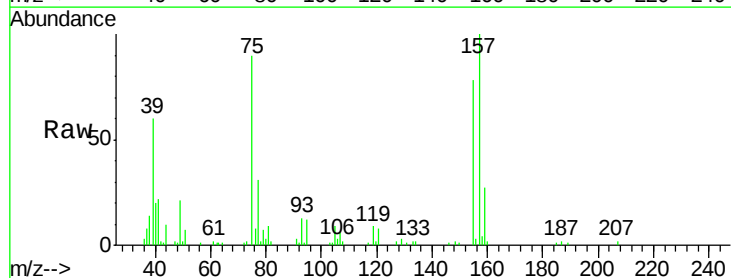
Tgt Ion: 75 Resp: 20710

Ion Ratio Lower Upper

75 100

155 87.1 48.9 146.8

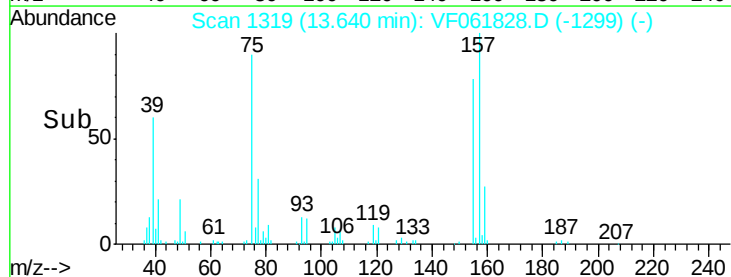
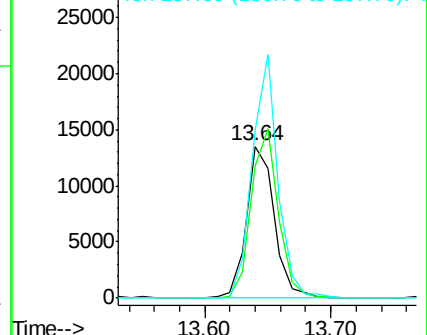
157 111.2 58.3 174.8

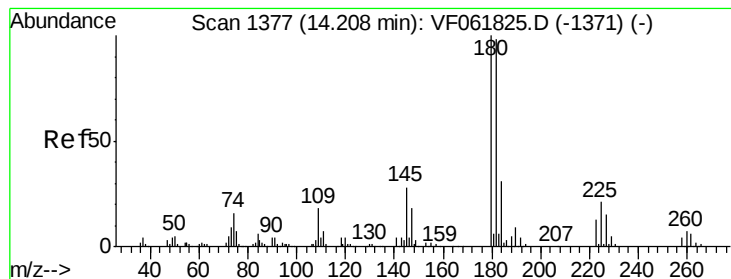


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#93

1,2,4-Trichlorobenzene

Concen: 46.667 ug/l

RT: 14.20 min Scan# 1376

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

ICVVF030419

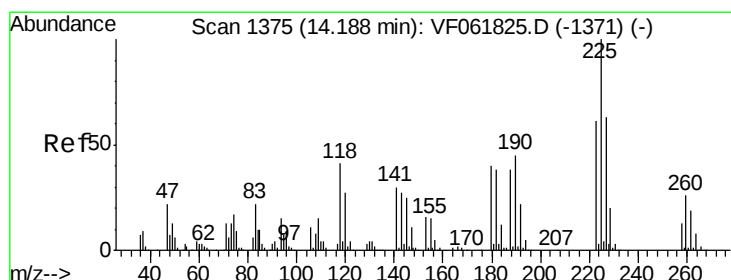
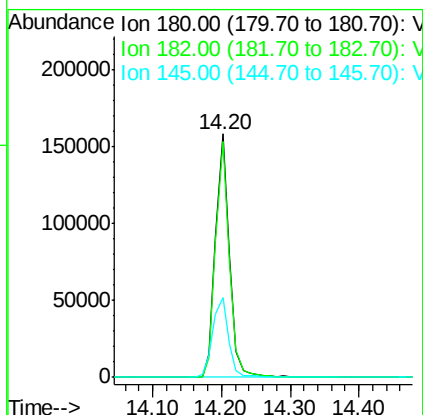
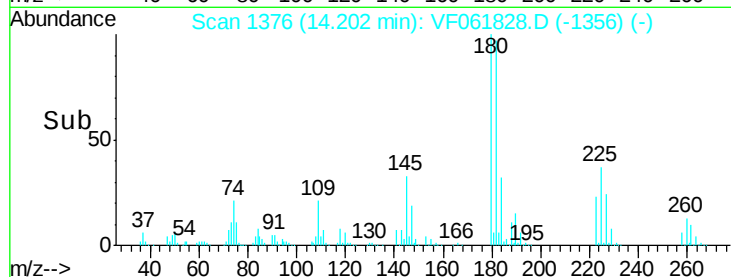
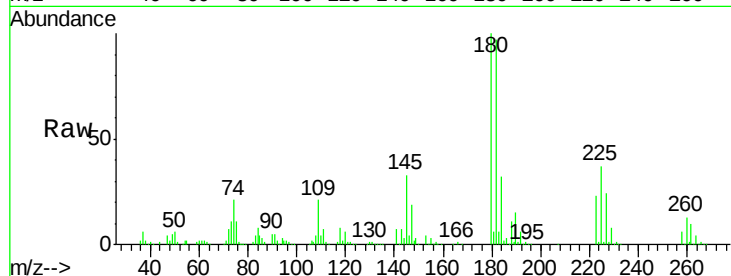
Tot Ion:180 Resp: 222654

Ion Ratio Lower Upper

180 100

182 96.9 48.6 145.9

145 33.0 15.3 45.9



#94

Hexachlorobutadiene

Concen: 52.565 ug/l

RT: 14.19 min Scan# 1375

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

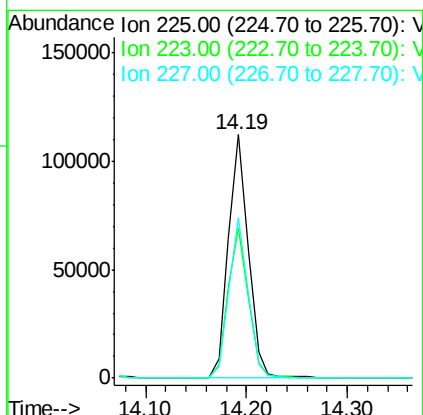
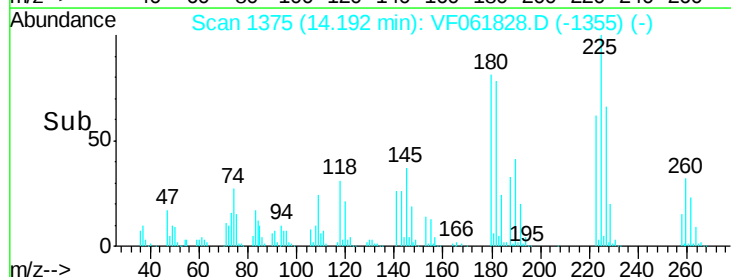
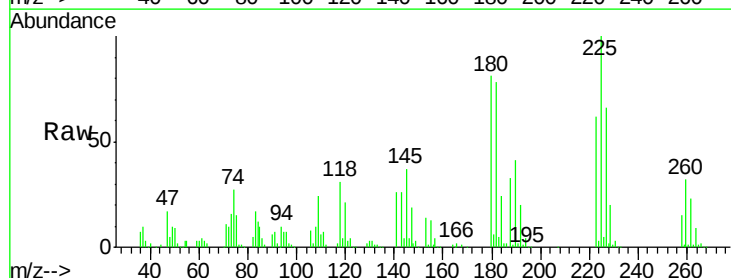
Tgt Ion:225 Resp: 154889

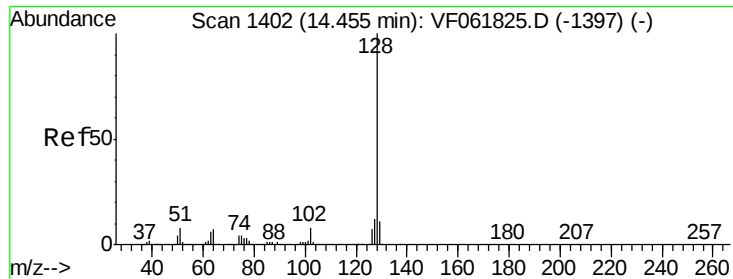
Ion Ratio Lower Upper

225 100

223 61.9 30.9 92.7

227 65.8 32.1 96.3

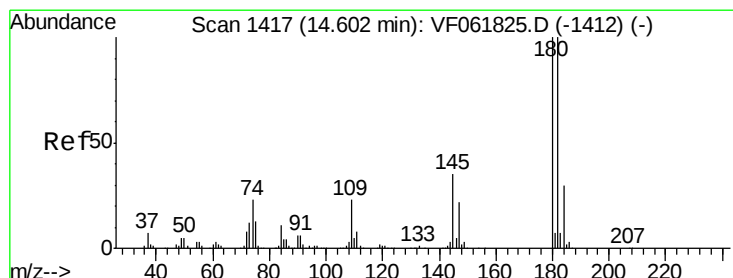
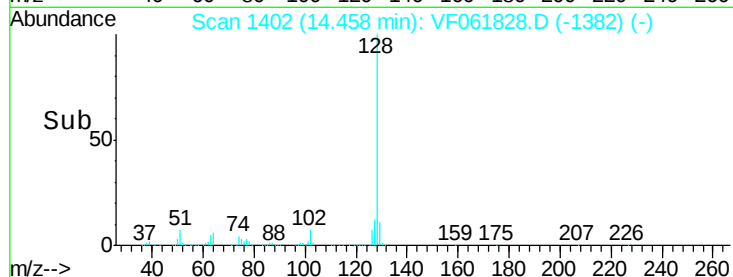
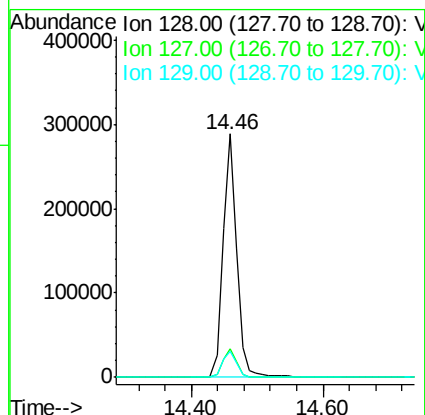
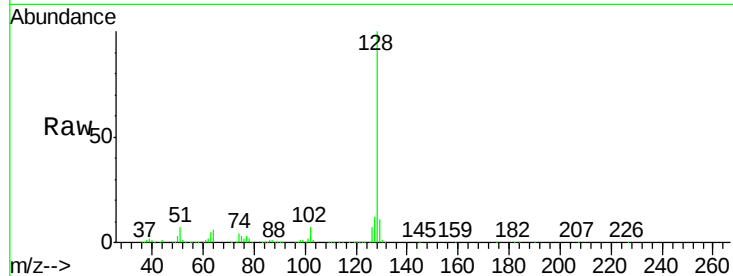




#95
Naphthalene
Concen: 50.467 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Instrument :
MSVOA_F
ClientSampleId :
ICVVF030419

Tot Ion:128 Resp: 421274
Ion Ratio Lower Upper
128 100
127 11.8 9.8 14.6
129 10.7 9.4 14.2



#96
1,2,3-Trichlorobenzene
Concen: 48.425 ug/l
RT: 14.61 min Scan# 1417
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Tgt Ion:180 Resp: 212060
Ion Ratio Lower Upper
180 100
182 99.2 49.0 147.2
145 32.1 15.4 46.1

