

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041619\
 Data File : VF062177.D
 Acq On : 16 Apr 2019 15:48
 Operator : FY/SY
 Sample : VF0416SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0416SBS01

Quant Time: Apr 17 08:05:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F041619S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 07:56:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	394517	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	612891	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	486301	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	255665	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	197321	55.54	ug/l	0.00
Spiked Amount			Recovery	=	111.08%	
35) Dibromofluoromethane	4.30	113	272937	56.45	ug/l	0.00
Spiked Amount			Recovery	=	112.90%	
50) Toluene-d8	7.71	98	730382	51.70	ug/l	0.00
Spiked Amount			Recovery	=	103.40%	
62) 4-Bromofluorobenzene	11.50	95	297733	53.36	ug/l	0.00
Spiked Amount			Recovery	=	106.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	144618	24.985	ug/l	99
3) Chloromethane	1.14	50	157782	25.329	ug/l	99
4) Vinyl Chloride	1.19	62	138150	25.348	ug/l	97
5) Bromomethane	1.36	94	67577	19.281	ug/l	96
6) Chloroethane	1.44	64	47332	18.342	ug/l	100
7) Trichlorofluoromethane	1.55	101	154666	23.727	ug/l	100
8) Diethyl Ether	1.71	74	33362	25.354	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.90	101	106576	25.033	ug/l	99
10) Methyl Iodide	1.97	142	197560	24.928	ug/l	99
11) Tert butyl alcohol	2.69	59	29629	150.461	ug/l #	89
12) 1,1-Dichloroethene	1.86	96	108375	25.030	ug/l	98
13) Acrolein	2.10	56	21555	138.957	ug/l	93
14) Allyl chloride	2.19	41	178308	27.350	ug/l	97
15) Acrylonitrile	3.08	53	90334	123.457	ug/l	93
16) Acetone	2.34	43	104255	130.155	ug/l	96
17) Carbon Disulfide	1.91	76	303076	24.710	ug/l	99
18) Methyl Acetate	2.46	43	51778	27.366	ug/l	100
19) Methyl tert-butyl Ether	2.54	73	188749	26.208	ug/l	98
20) Methylene Chloride	2.28	84	61422	11.737	ug/l	97
21) trans-1,2-Dichloroethene	2.42	96	104780	25.293	ug/l	96
22) Diisopropyl ether	2.93	45	310478	25.620	ug/l	98
23) Vinyl Acetate	3.34	43	736748	121.876	ug/l	97
24) 1,1-Dichloroethane	3.01	63	170879	25.321	ug/l	100
25) 2-Butanone	4.52	43	205471	119.415	ug/l	99
26) 2,2-Dichloropropane	3.77	77	96688	27.239	ug/l	98
27) cis-1,2-Dichloroethene	3.64	96	131537	23.920	ug/l	93
28) Bromochloromethane	3.90	49	81349	25.173	ug/l	93
29) Tetrahydrofuran	4.26	42	92782	121.238	ug/l	97
30) Chloroform	4.05	83	197224	23.507	ug/l	99
31) Cyclohexane	3.88	56	212215	24.340	ug/l	98
32) 1,1,1-Trichloroethane	4.28	97	152475	26.651	ug/l	97
36) 1,1-Dichloropropene	4.47	75	155852	22.887	ug/l	99
37) Ethyl Acetate	4.30	43	68139	21.716	ug/l	99
38) Carbon Tetrachloride	4.19	117	175204	29.892	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	211782	24.818	ug/l	97
40) Benzene	4.83	78	427534	23.768	ug/l	99
41) Methacrylonitrile	4.93	41	44164	23.425	ug/l	96
42) 1,2-Dichloroethane	5.12	62	108829	23.904	ug/l	96
43) Isopropyl Acetate	7.11	43	84069	23.190	ug/l #	97
44) Trichloroethene	5.68	130	110553	22.962	ug/l	99
45) 1,2-Dichloropropane	6.41	63	94179	21.342	ug/l	100
46) Dibromomethane	6.26	93	59575	22.389	ug/l	92
47) Bromodichloromethane	6.55	83	129616	21.501	ug/l	97
48) Methyl methacrylate	6.88	41	51007	21.489	ug/l	96
49) 1,4-Dioxane	6.88	88	10532	569.403	ug/l	89
51) 4-Methyl-2-Pentanone	8.40	43	305509	109.361	ug/l	99
52) Toluene	7.78	92	223453	21.146	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	109826	21.033	ug/l	93
54) cis-1,3-Dichloropropene	7.46	75	143595	21.626	ug/l	95
55) 1,1,2-Trichloroethane	8.64	97	59181	19.555	ug/l	98
56) Ethyl methacrylate	8.76	69	76409	21.232	ug/l	97
57) 1,3-Dichloropropane	9.00	76	104783	21.060	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.45	63	95926	103.455	ug/l	99
59) 2-Hexanone	9.63	43	210866	118.769	ug/l	97
60) Dibromochloromethane	8.86	129	91511	21.976	ug/l	99
61) 1,2-Dibromoethane	9.13	107	73471	22.691	ug/l	96
64) Tetrachloroethene	8.31	164	87678	22.075	ug/l	95
65) Chlorobenzene	9.93	112	226076	22.348	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	99476	23.818	ug/l	98
67) Ethyl Benzene	10.03	91	435141	23.205	ug/l	100
68) m/p-Xylenes	10.26	106	314220	45.519	ug/l	91
69) o-Xylene	10.82	106	167074	22.354	ug/l	92
70) Styrene	10.89	104	249709	22.974	ug/l	98
71) Bromoform	10.88	173	51577	23.582	ug/l	98
73) Isopropylbenzene	11.21	105	498594	22.637	ug/l	98
74) N-amyl acetate	11.45	43	128795	23.290	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	87861	22.393	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	58463	21.971	ug/l	92
77) Bromobenzene	11.58	156	100949	22.038	ug/l	97
78) n-propylbenzene	11.68	91	559617	22.353	ug/l	96
79) 2-Chlorotoluene	11.80	91	331843	22.486	ug/l	100
80) 1,3,5-Trimethylbenzene	11.89	105	418532	22.784	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.94	75	40215	30.219	ug/l	98
82) 4-Chlorotoluene	11.97	91	324888	22.465	ug/l	99
83) tert-Butylbenzene	12.20	119	423742	23.230	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	404344	22.681	ug/l	94
85) sec-Butylbenzene	12.37	105	559808	23.339	ug/l	98
86) p-Isopropyltoluene	12.53	119	477898	23.387	ug/l	97
87) 1,3-Dichlorobenzene	12.53	146	193971	23.145	ug/l	97
88) 1,4-Dichlorobenzene	12.62	146	181668	22.233	ug/l	94
89) n-Butylbenzene	12.90	91	487787	22.769	ug/l	95
90) Hexachloroethane	12.98	117	117999	23.574	ug/l	98
91) 1,2-Dichlorobenzene	13.00	146	185746	23.095	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.69	75	15679	22.187	ug/l	95

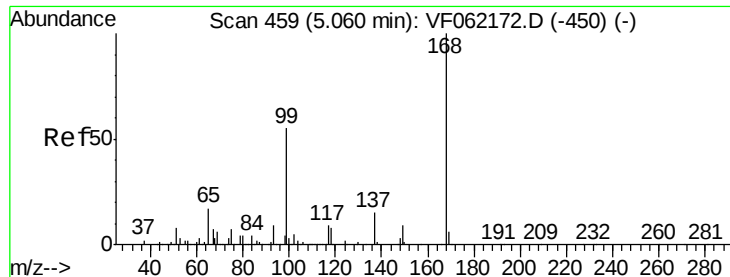
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF041619\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	144590	23.937	ug/l	96
94) Hexachlorobutadiene	14.23	225	95357	24.223	ug/l	97
95) Naphthalene	14.50	128	244351	23.154	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	133123	23.655	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 459

Delta R.T. -0.01 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

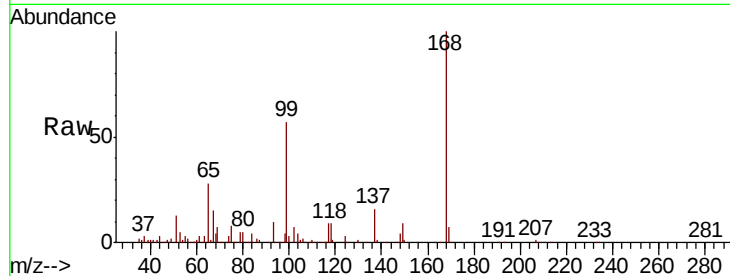
VF0416SBS01

Tot Ion:168 Resp: 394517

Ion Ratio Lower Upper

168 100

99 57.3 44.2 66.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

150000

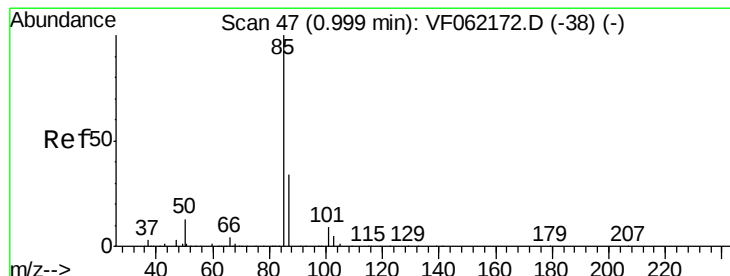
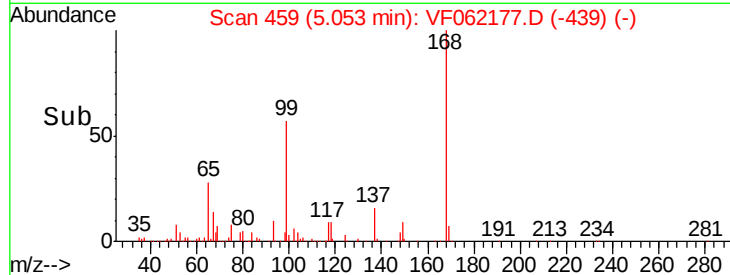
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50000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 24.985 ug/l

RT: 1.00 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062177.D

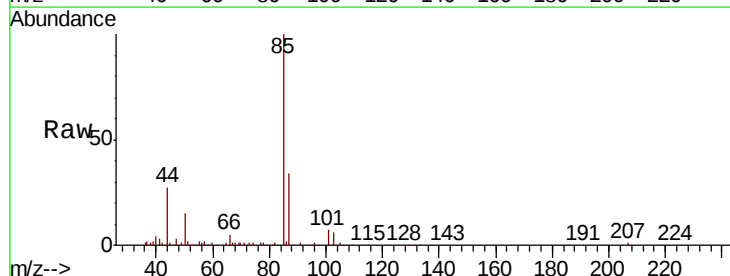
Acq: 16 Apr 2019 15:48

Tgt Ion: 85 Resp: 144618

Ion Ratio Lower Upper

85 100

87 34.4 16.9 50.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

50000

40000

30000

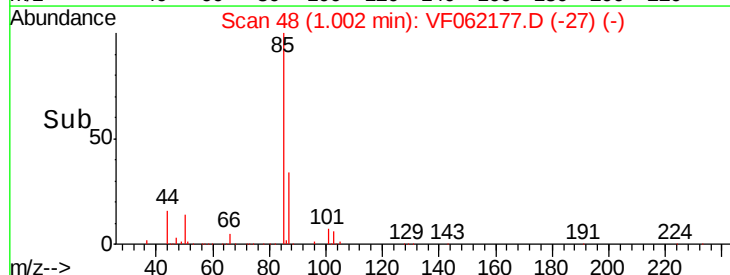
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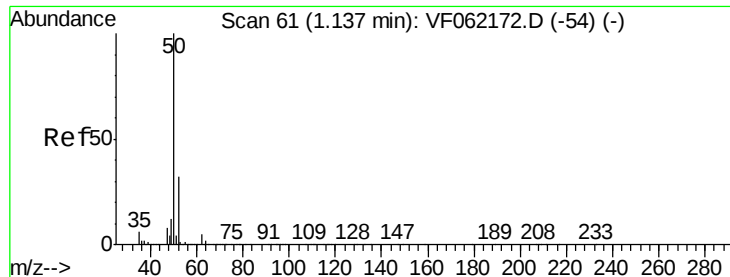
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0

0.80 0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 25.329 ug/l

RT: 1.14 min Scan# 62

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

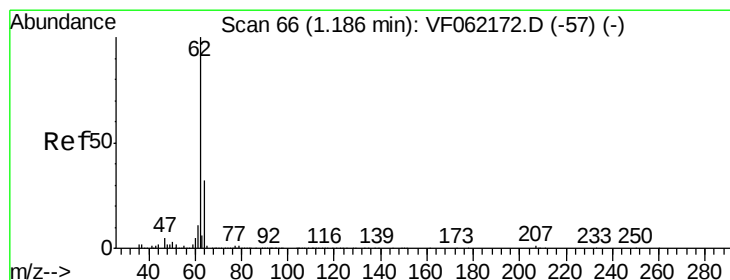
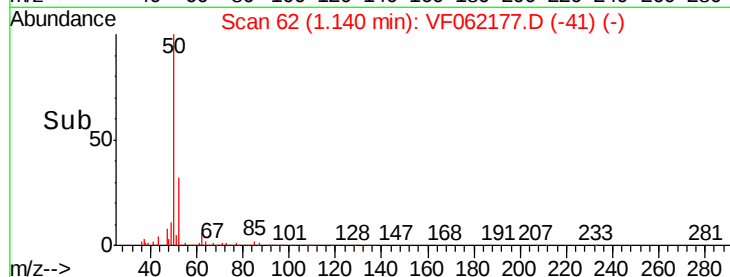
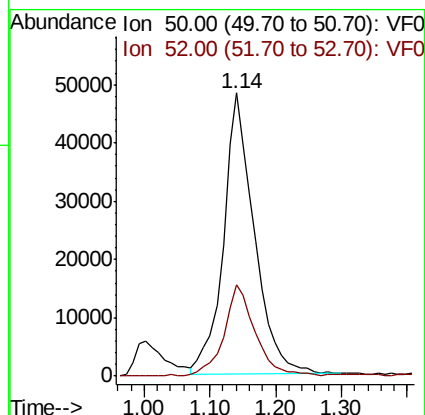
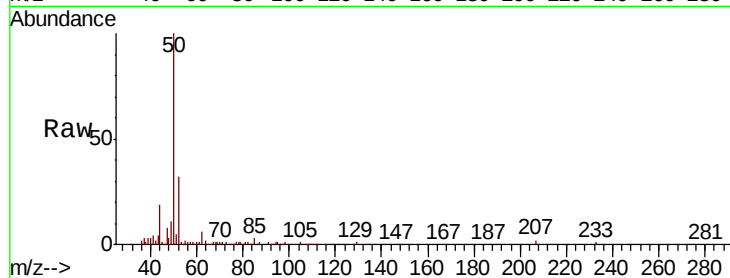
VF0416SBS01

Tot Ion: 50 Resp: 157782

Ion Ratio Lower Upper

50 100

52 32.5 25.4 38.2



#4

Vinyl Chloride

Concen: 25.348 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062177.D

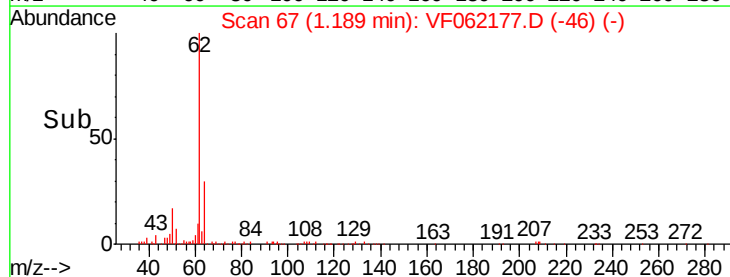
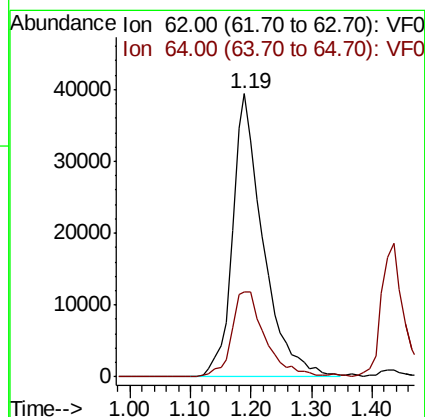
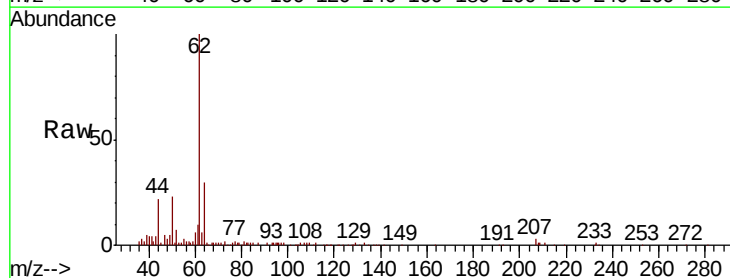
Acq: 16 Apr 2019 15:48

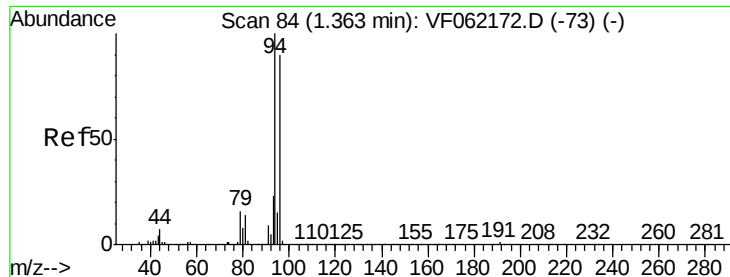
Tgt Ion: 62 Resp: 138150

Ion Ratio Lower Upper

62 100

64 29.9 25.4 38.0





#5

Bromomethane

Concen: 19.281 ug/l

RT: 1.36 min Scan# 84

Delta R.T. -0.01 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

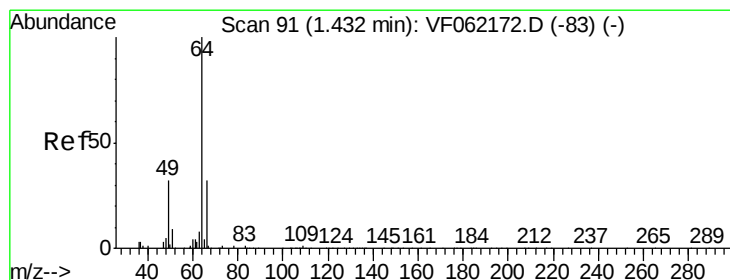
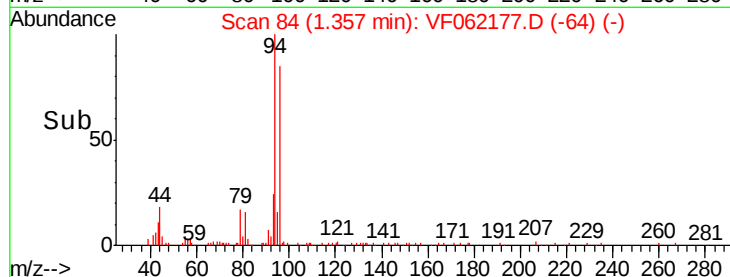
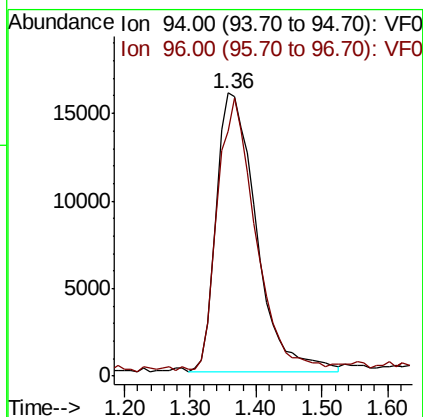
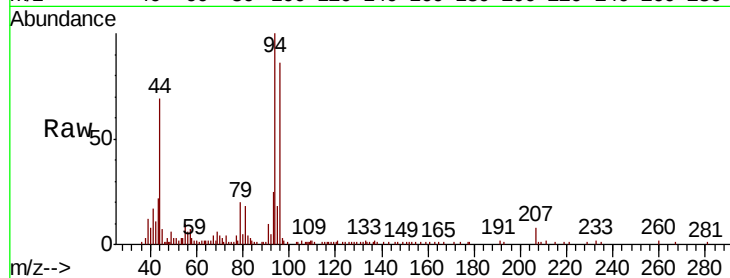
VF0416SBS01

Tot Ion: 94 Resp: 67577

Ion Ratio Lower Upper

94 100

96 86.4 72.3 108.5



#6

Chloroethane

Concen: 18.342 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.00 min

Lab File: VF062177.D

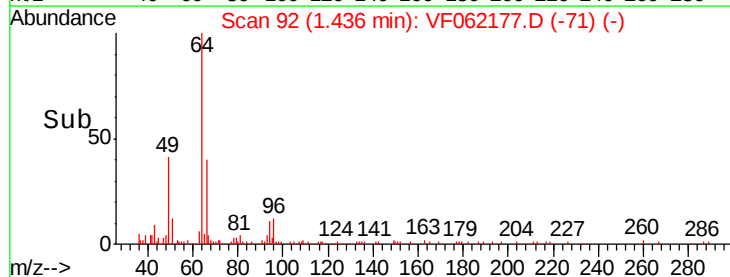
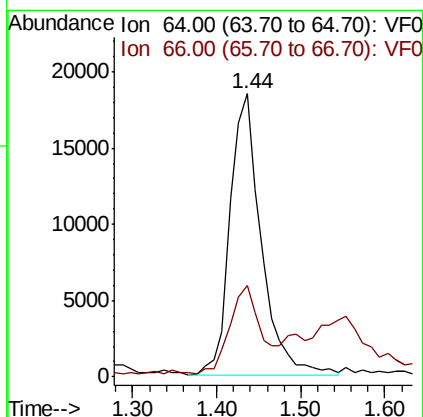
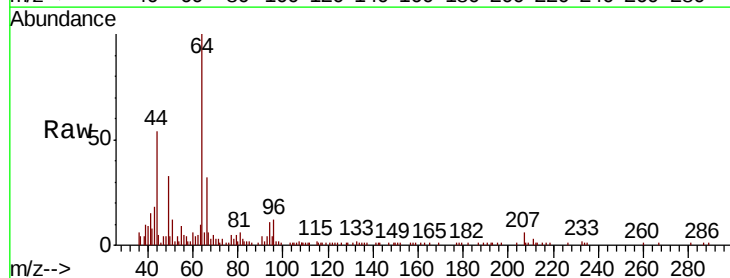
Acq: 16 Apr 2019 15:48

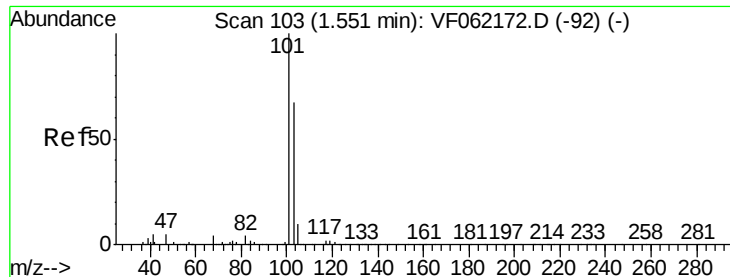
Tgt Ion: 64 Resp: 47332

Ion Ratio Lower Upper

64 100

66 32.3 25.7 38.5



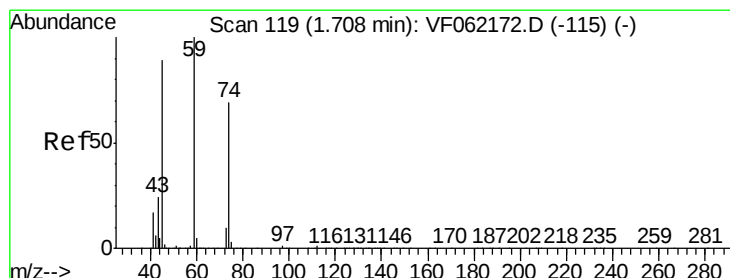
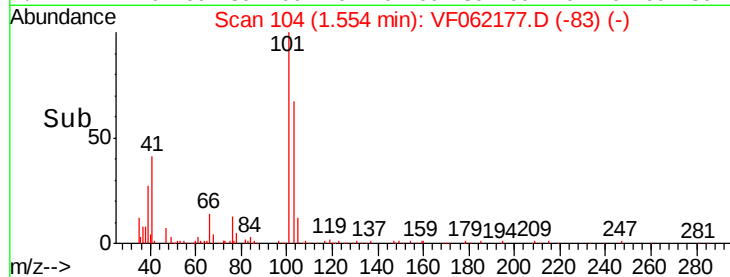
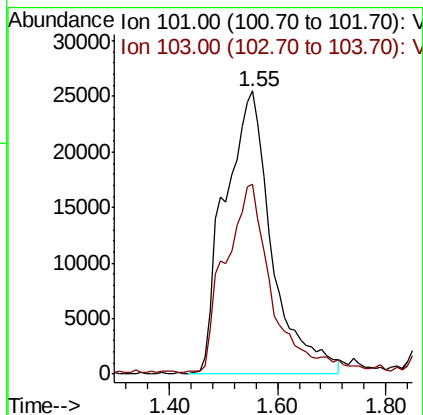
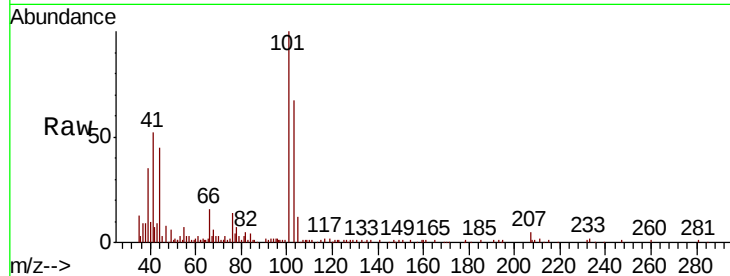


#7

Trichlorofluoromethane
Concen: 23.727 ug/l
RT: 1.55 min Scan# 104
Delta R.T. 0.00 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

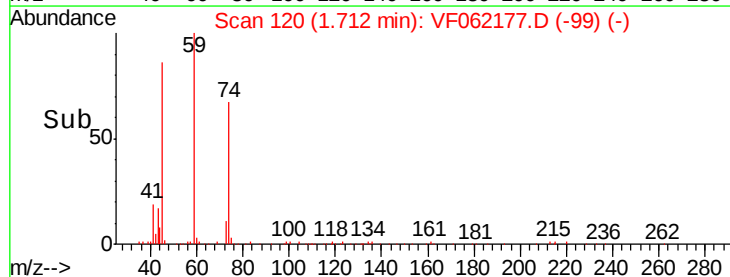
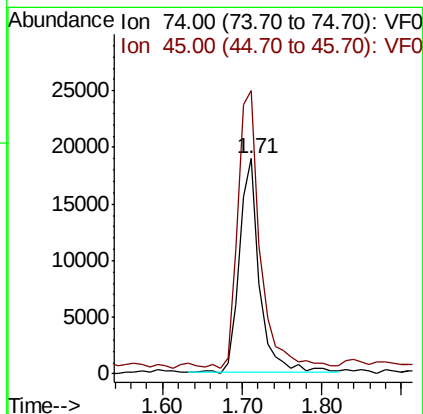
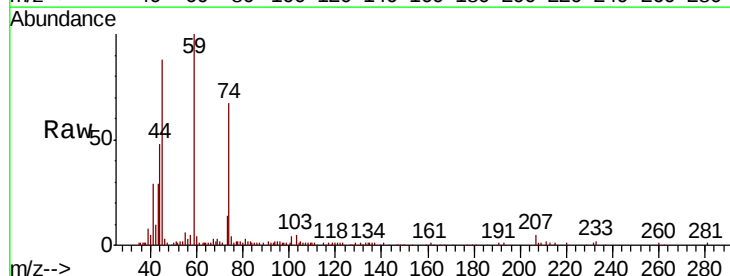
Tot Ion:101 Resp: 154666
Ion Ratio Lower Upper
101 100
103 67.2 53.7 80.5

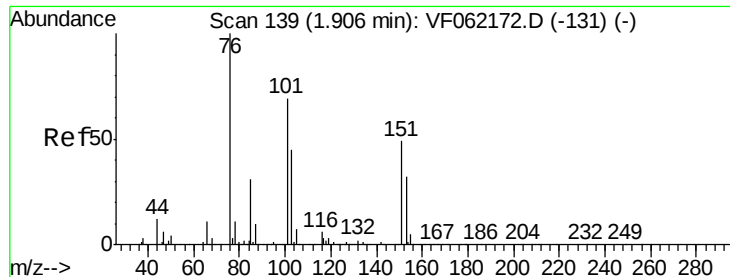


#8

Diethyl Ether
Concen: 25.354 ug/l
RT: 1.71 min Scan# 120
Delta R.T. 0.00 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Tgt Ion: 74 Resp: 33362
Ion Ratio Lower Upper
74 100
45 131.5 64.7 194.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 25.033 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

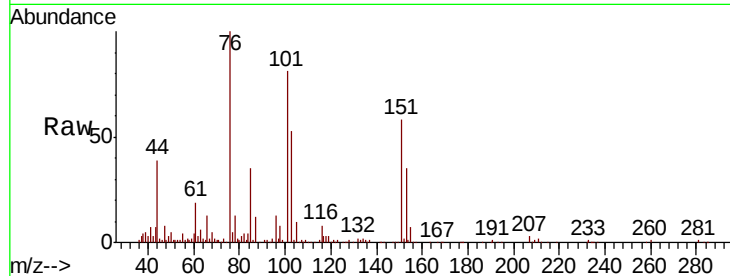
Tot Ion:101 Resp: 106576

Ion Ratio Lower Upper

101 100

85 42.5 35.2 52.8

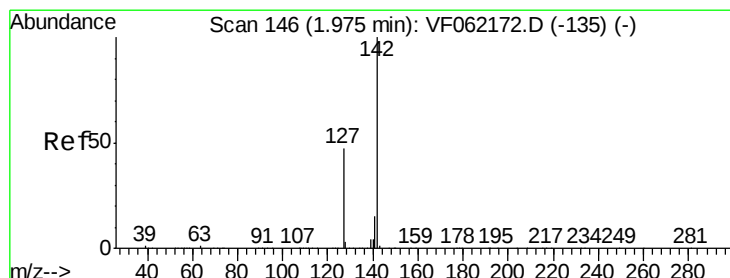
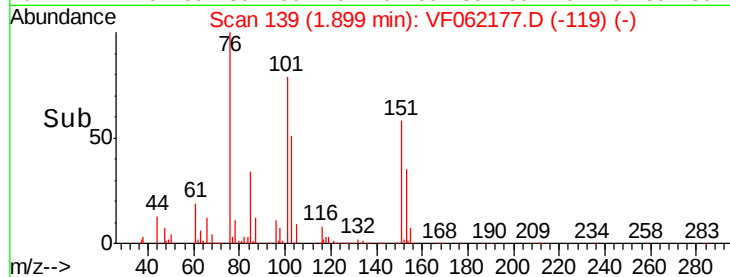
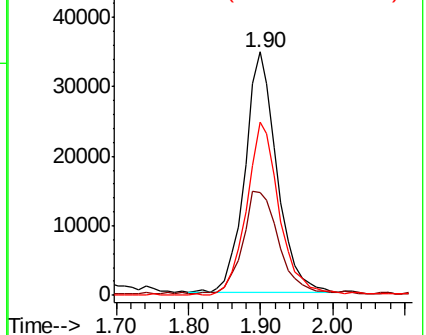
151 71.2 56.6 85.0



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: 24.928 ug/l

RT: 1.97 min Scan# 146

Delta R.T. -0.01 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

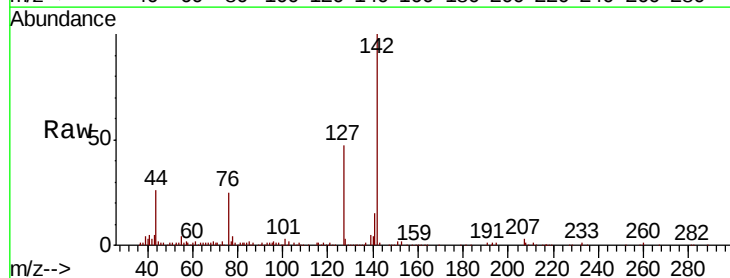
Tgt Ion:142 Resp: 197560

Ion Ratio Lower Upper

142 100

127 46.7 37.8 56.6

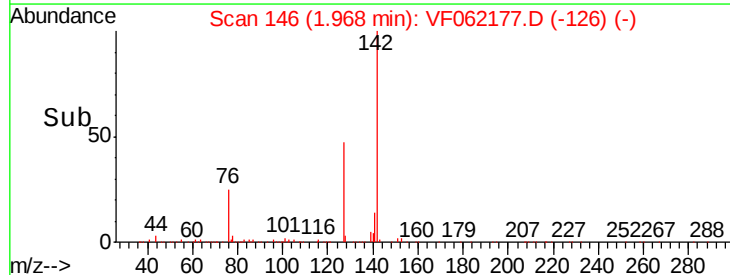
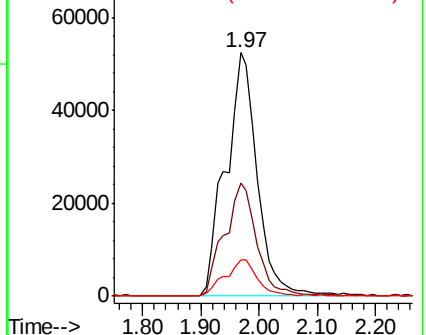
141 14.8 12.1 18.1

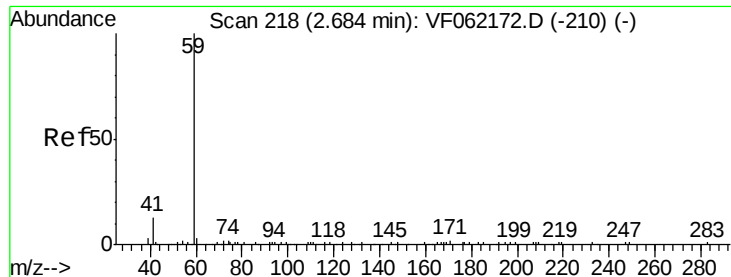


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



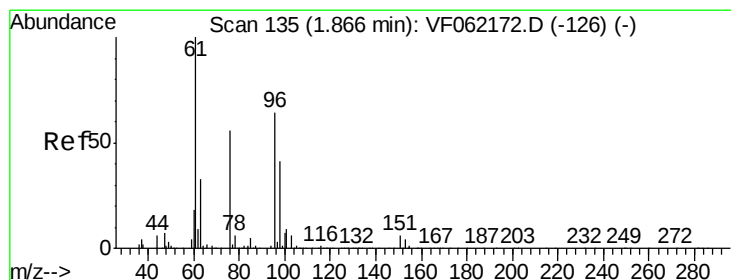
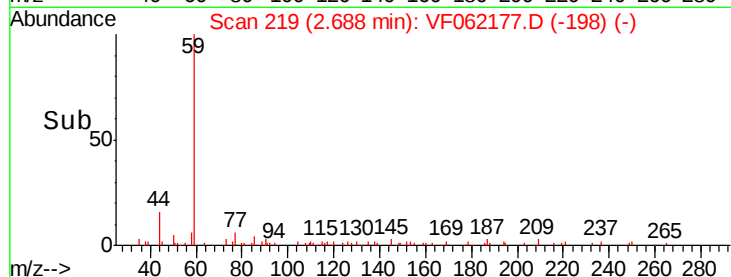
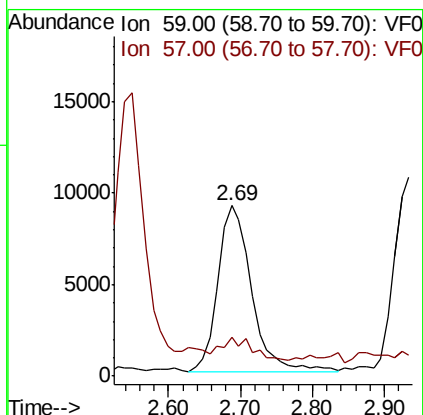
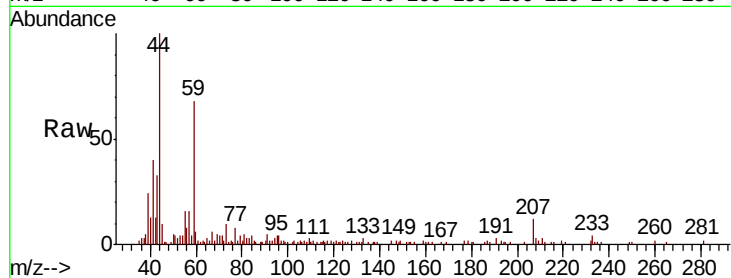


#11

Tert butyl alcohol
 Concen: 150.461 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VF062177.D
 Acq: 16 Apr 2019 15:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0416SBS01

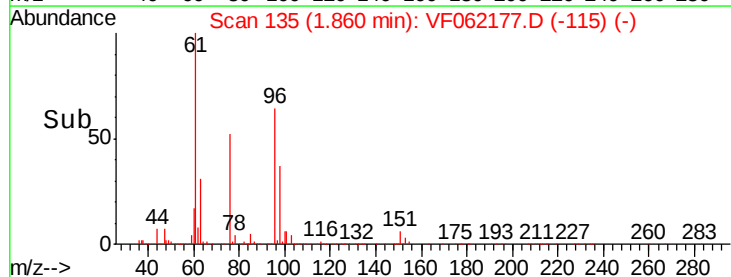
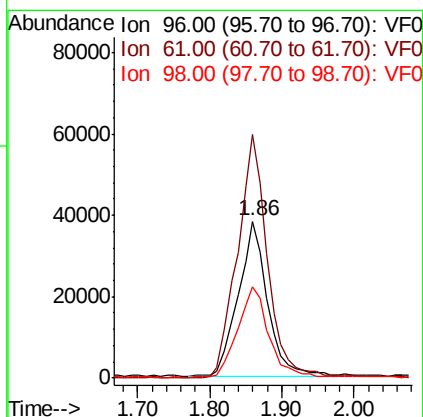
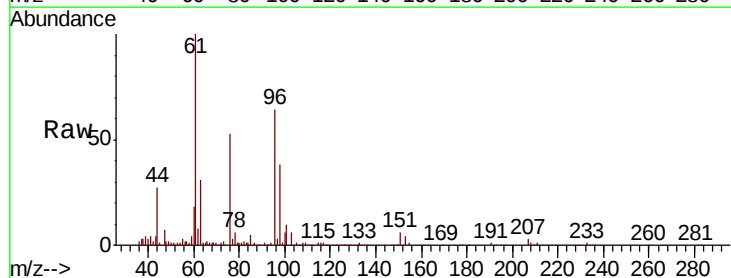
Tot Ion: 59 Resp: 29629
 Ion Ratio Lower Upper
 59 100
 57 22.9 14.2 21.4#

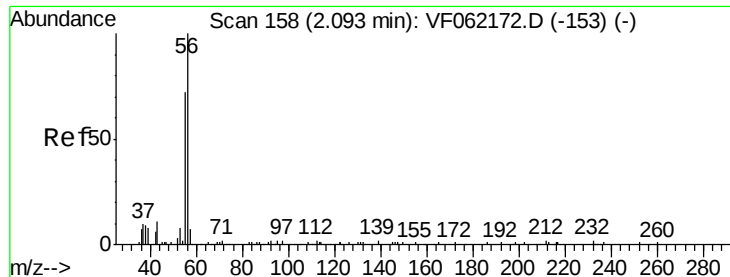


#12

1,1-Dichloroethene
 Concen: 25.030 ug/l
 RT: 1.86 min Scan# 135
 Delta R.T. -0.01 min
 Lab File: VF062177.D
 Acq: 16 Apr 2019 15:48

Tgt Ion: 96 Resp: 108375
 Ion Ratio Lower Upper
 96 100
 61 155.4 124.6 187.0
 98 58.4 51.5 77.3





#13

Acrolein

Concen: 138.957 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

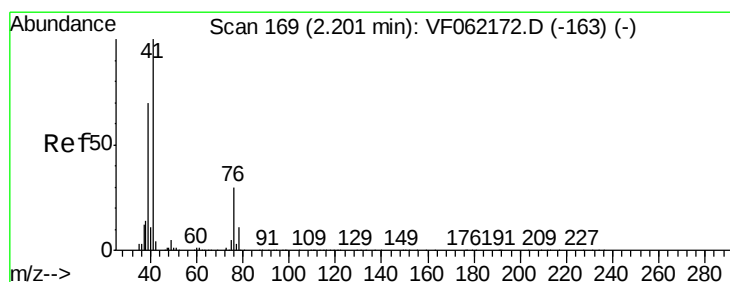
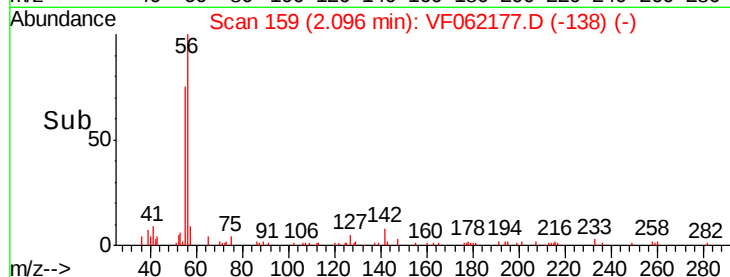
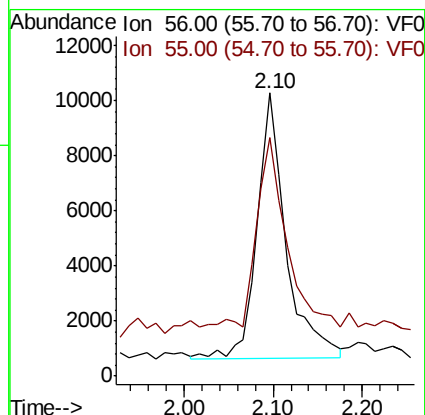
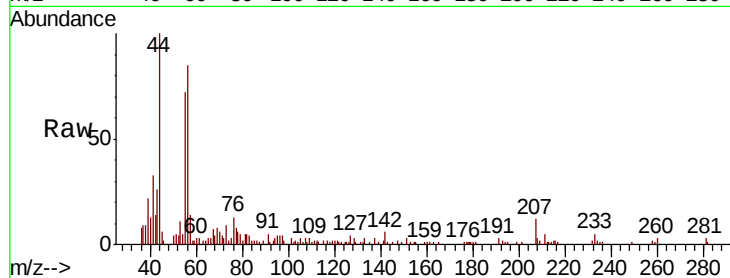
VF0416SBS01

Tot Ion: 56 Resp: 21555

Ion Ratio Lower Upper

56 100

55 84.5 62.9 94.3



#14

Allyl chloride

Concen: 27.350 ug/l

RT: 2.19 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

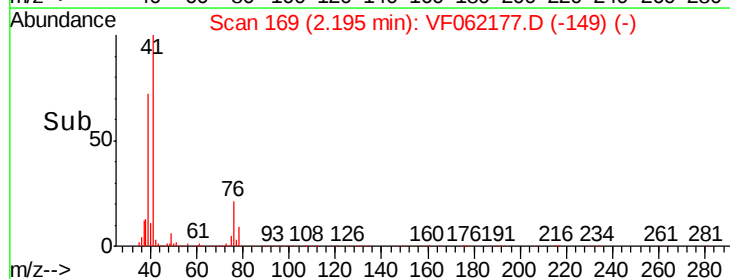
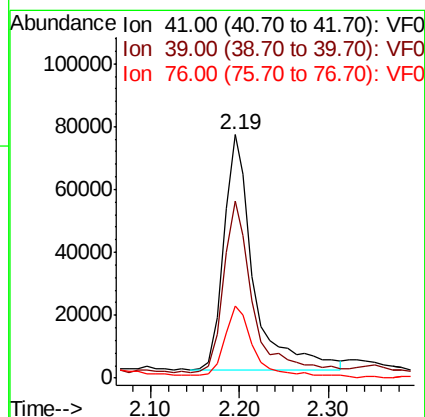
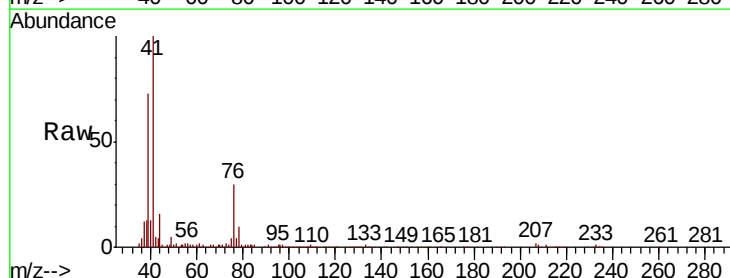
Tgt Ion: 41 Resp: 178308

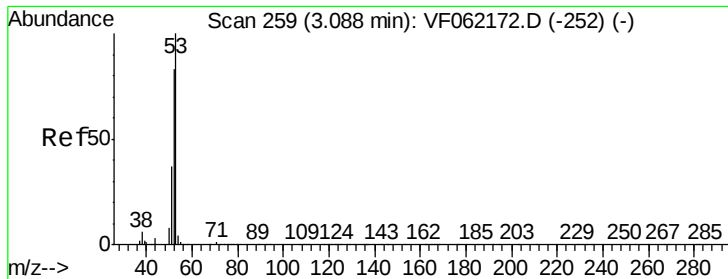
Ion Ratio Lower Upper

41 100

39 72.6 56.1 84.1

76 29.5 24.9 37.3





#15

Acrylonitrile

Concen: 123.457 ug/l

RT: 3.08 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

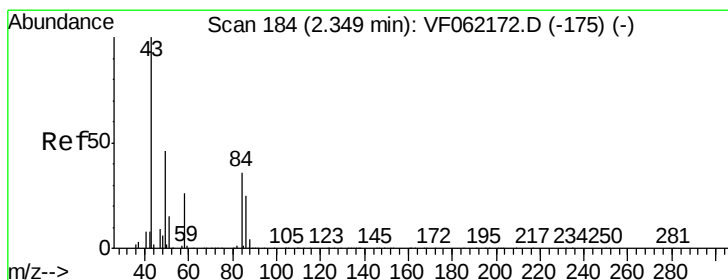
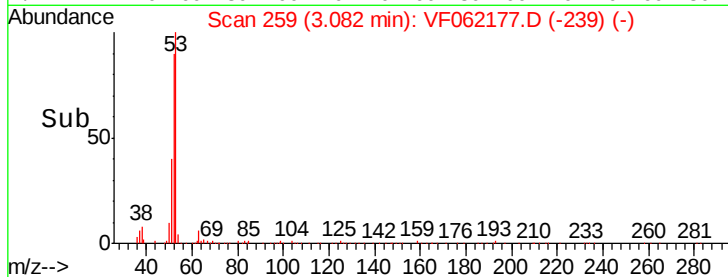
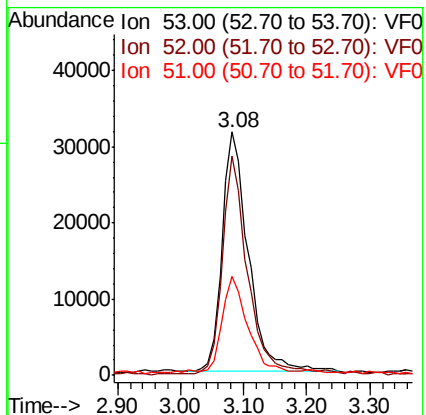
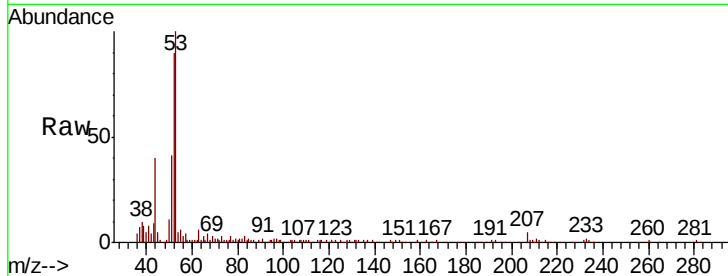
Tot Ion: 53 Resp: 90334

Ion Ratio Lower Upper

53 100

52 90.0 66.6 99.8

51 40.6 30.1 45.1



#16

Acetone

Concen: 130.155 ug/l

RT: 2.34 min Scan# 184

Delta R.T. -0.01 min

Lab File: VF062177.D

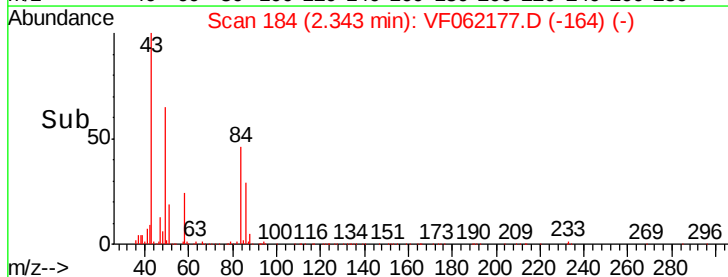
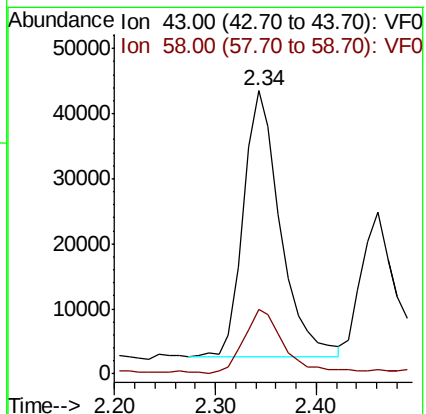
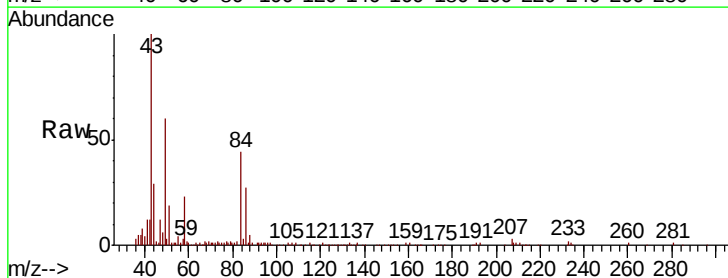
Acq: 16 Apr 2019 15:48

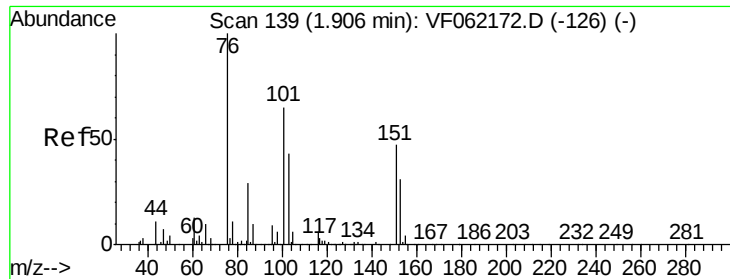
Tgt Ion: 43 Resp: 104255

Ion Ratio Lower Upper

43 100

58 22.9 20.2 30.2





#17

Carbon Disulfide

Concen: 24.710 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

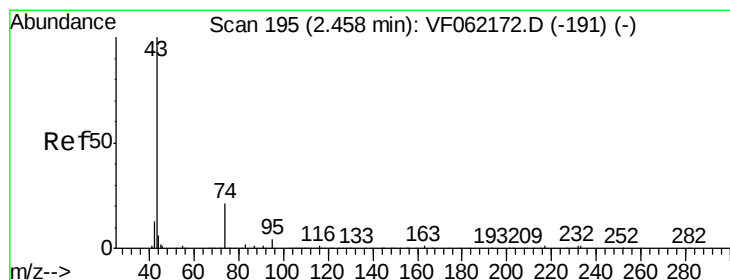
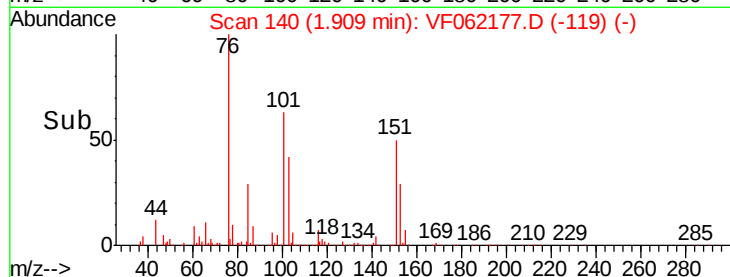
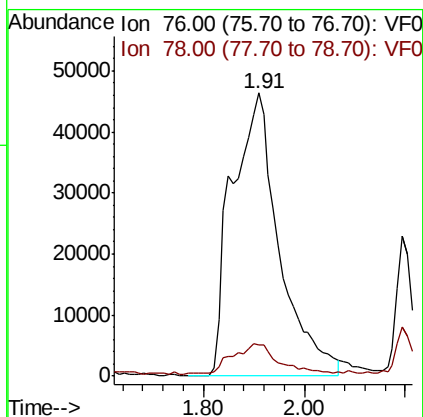
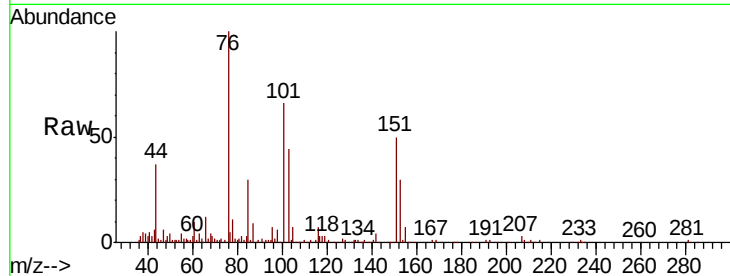
VF0416SBS01

Tot Ion: 76 Resp: 303076

Ion Ratio Lower Upper

76 100

78 11.0 9.1 13.7



#18

Methyl Acetate

Concen: 27.366 ug/l

RT: 2.46 min Scan# 196

Delta R.T. 0.00 min

Lab File: VF062177.D

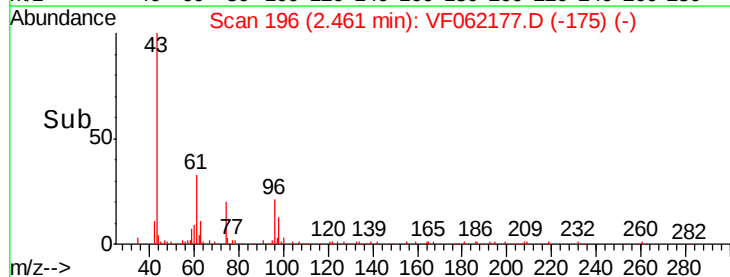
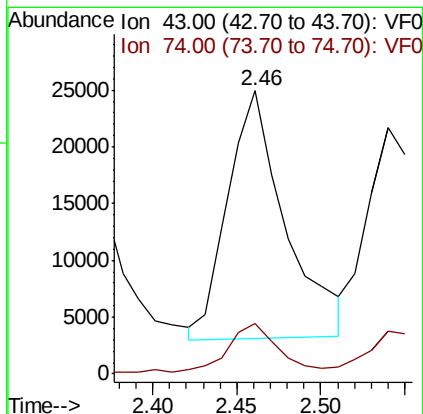
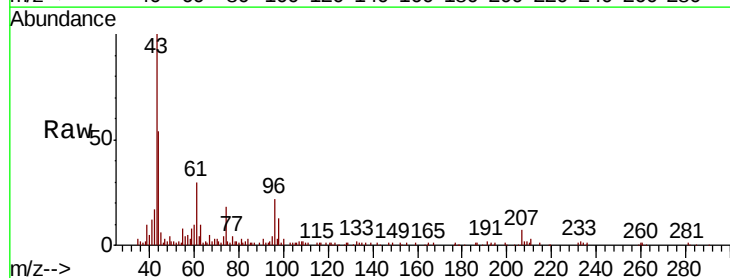
Acq: 16 Apr 2019 15:48

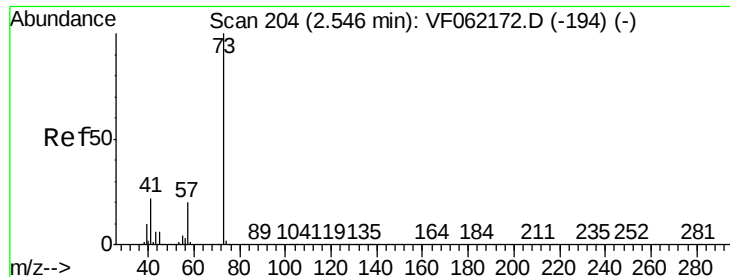
Tgt Ion: 43 Resp: 51778

Ion Ratio Lower Upper

43 100

74 18.0 14.2 21.4



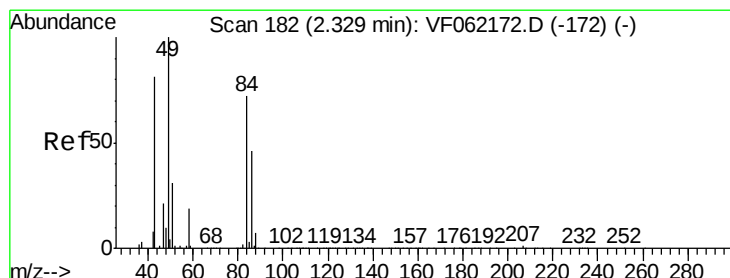
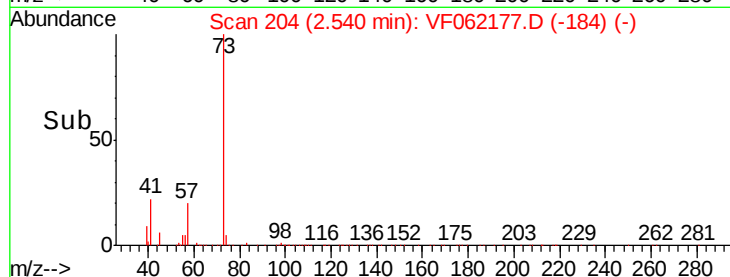
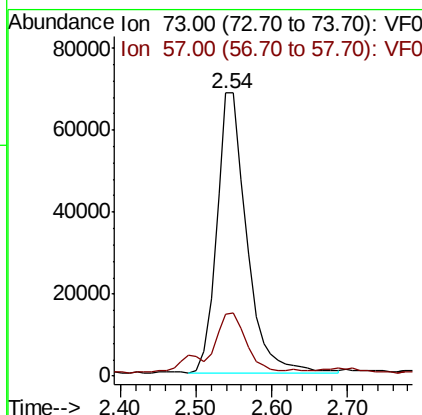
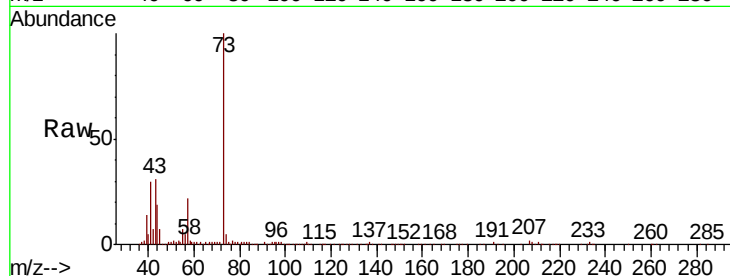


#19

Methyl tert-butyl Ether
 Concen: 26.208 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. -0.01 min
 Lab File: VF062177.D
 Acq: 16 Apr 2019 15:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0416SBS01

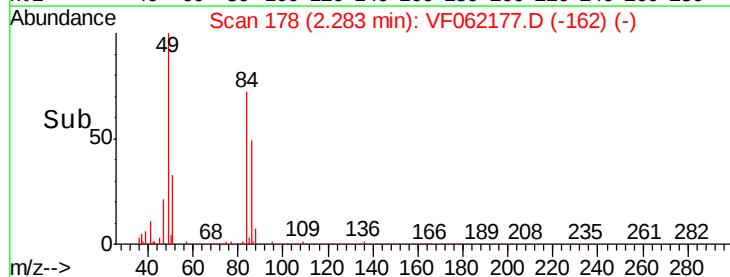
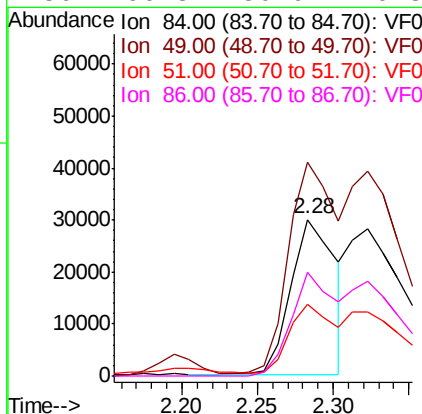
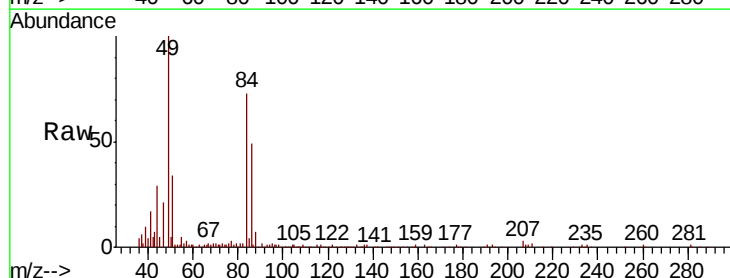
Tot Ion: 73 Resp: 188749
 Ion Ratio Lower Upper
 73 100
 57 21.7 16.8 25.2

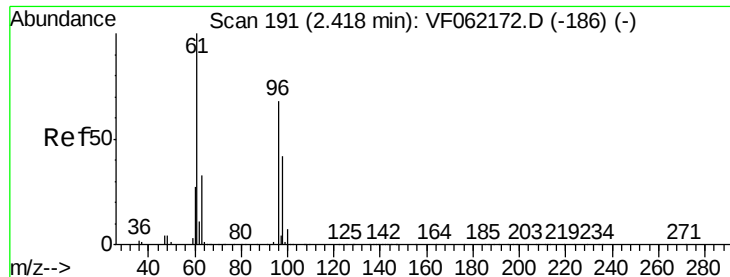


#20

Methylene Chloride
 Concen: 11.737 ug/l
 RT: 2.28 min Scan# 178
 Delta R.T. -0.05 min
 Lab File: VF062177.D
 Acq: 16 Apr 2019 15:48

Tgt Ion: 84 Resp: 61422
 Ion Ratio Lower Upper
 84 100
 49 136.7 111.5 167.3
 51 45.9 34.9 52.3
 86 66.3 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 25.293 ug/l

RT: 2.42 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

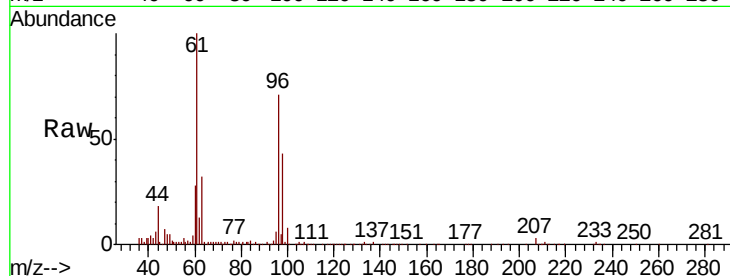
Tot Ion: 96 Resp: 104780

Ion Ratio Lower Upper

96 100

61 140.5 117.4 176.2

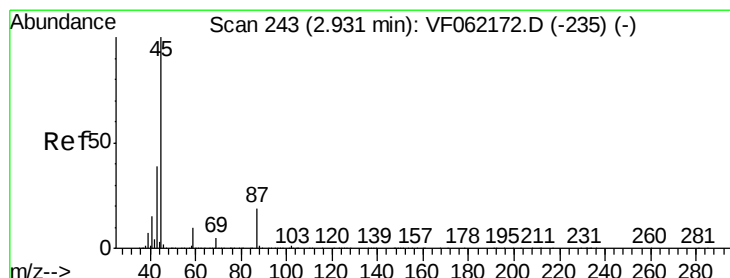
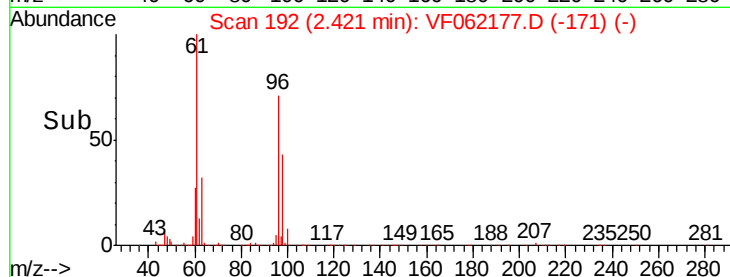
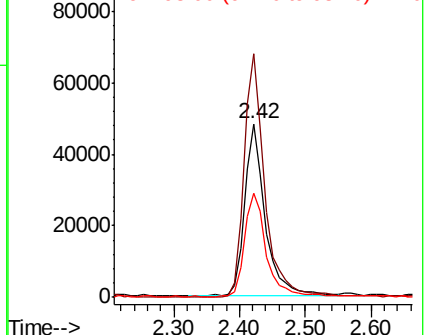
98 60.3 49.8 74.8



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 25.620 ug/l

RT: 2.93 min Scan# 244

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Tgt Ion: 45 Resp: 310478

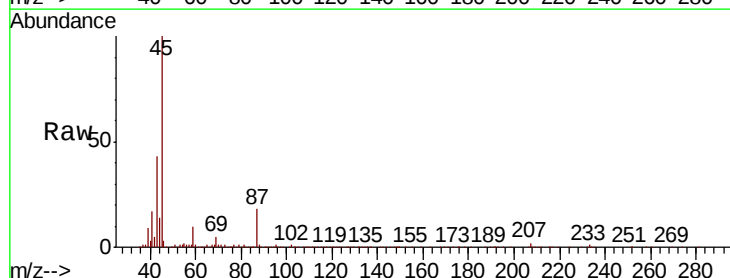
Ion Ratio Lower Upper

45 100

43 42.8 32.5 48.7

87 18.3 14.9 22.3

59 10.0 7.8 11.8

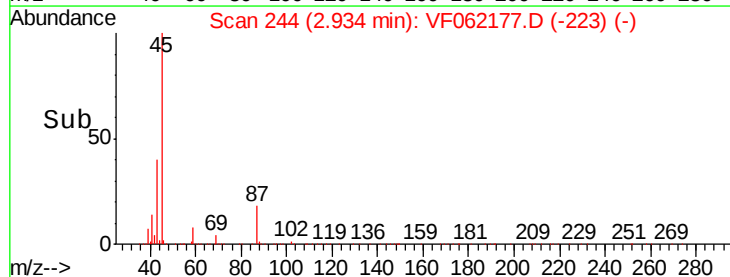
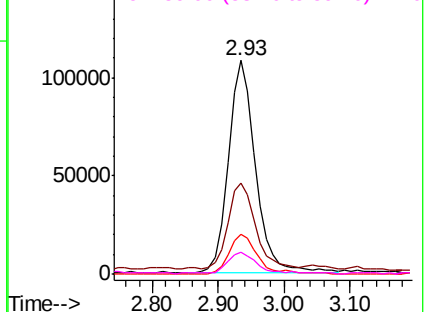


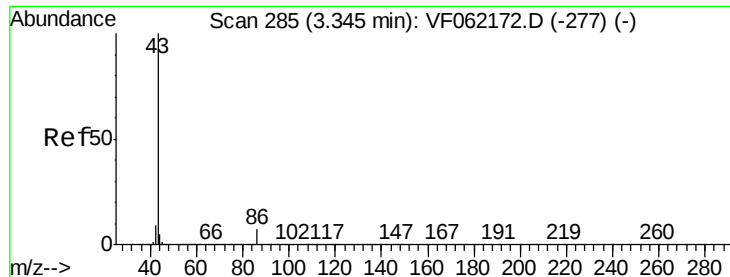
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 121.876 ug/l

RT: 3.34 min Scan# 285

Delta R.T. -0.01 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

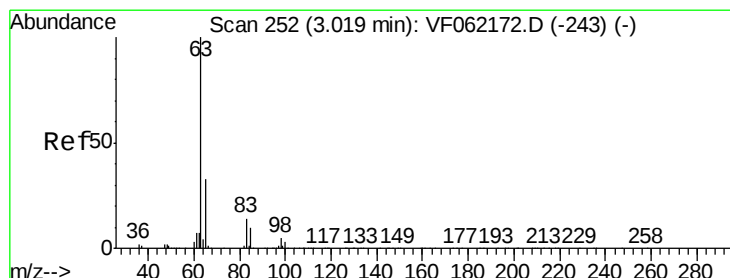
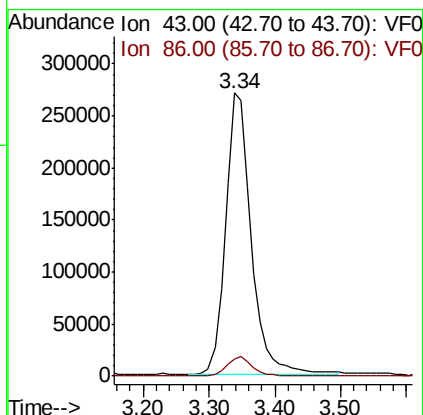
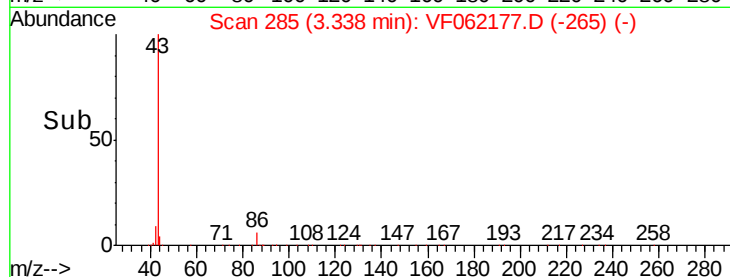
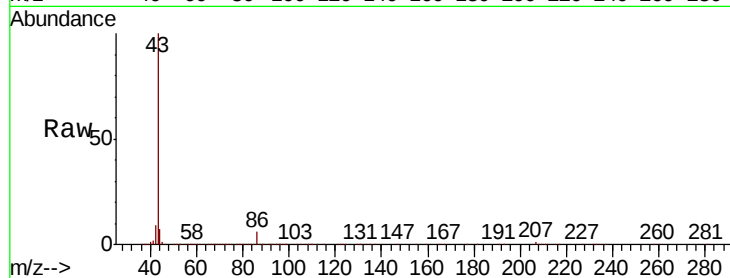
VF0416SBS01

Tot Ion: 43 Resp: 736748

Ion Ratio Lower Upper

43 100

86 6.3 5.9 8.9



#24

1,1-Dichloroethane

Concen: 25.321 ug/l

RT: 3.01 min Scan# 252

Delta R.T. -0.01 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

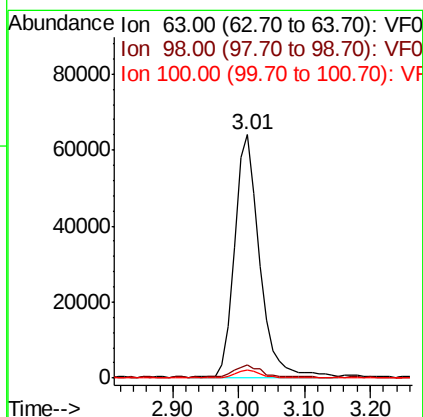
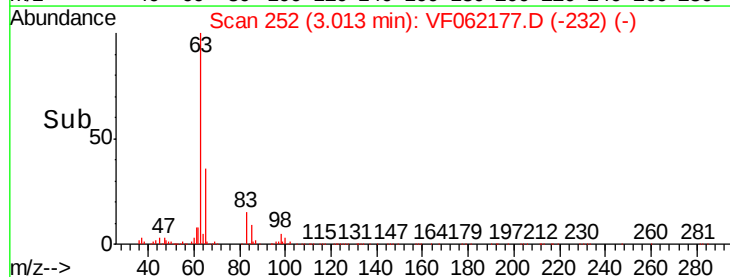
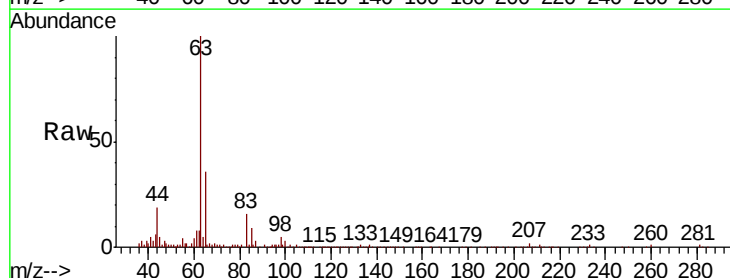
Tgt Ion: 63 Resp: 170879

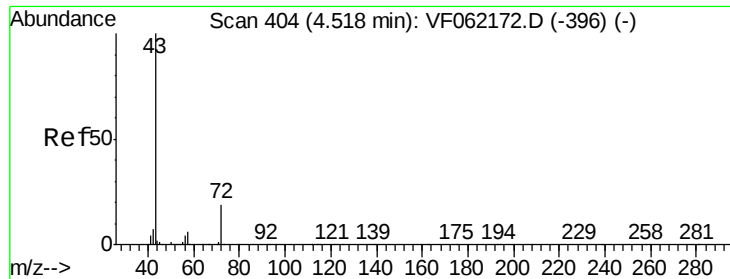
Ion Ratio Lower Upper

63 100

98 5.3 2.6 8.0

100 3.4 1.7 5.1





#25

2-Butanone

Concen: 119.415 ug/l

RT: 4.52 min Scan# 405

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

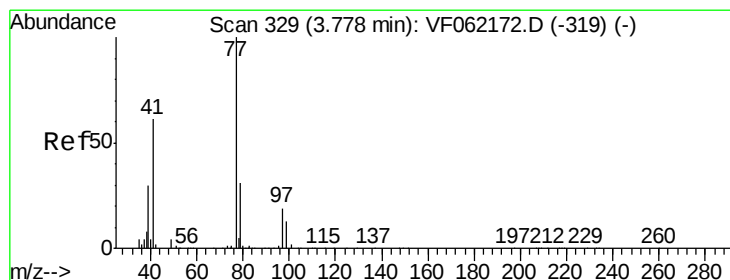
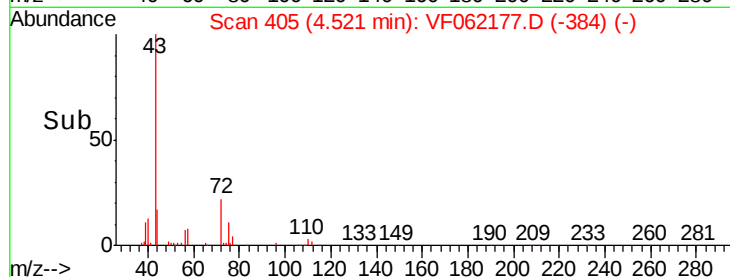
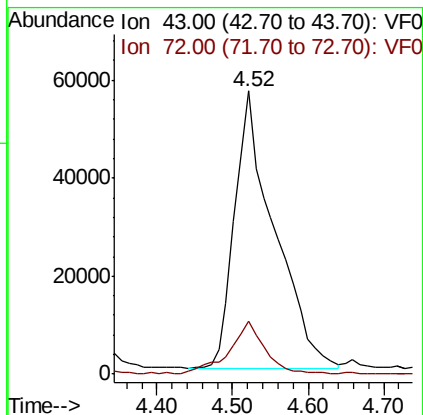
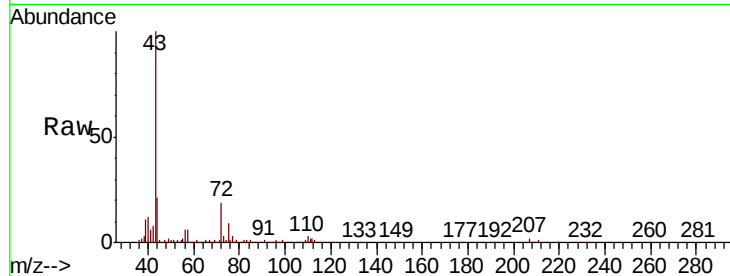
VF0416SBS01

Tot Ion: 43 Resp: 205471

Ion Ratio Lower Upper

43 100

72 18.9 15.4 23.2



#26

2,2-Dichloropropane

Concen: 27.239 ug/l

RT: 3.77 min Scan# 329

Delta R.T. -0.01 min

Lab File: VF062177.D

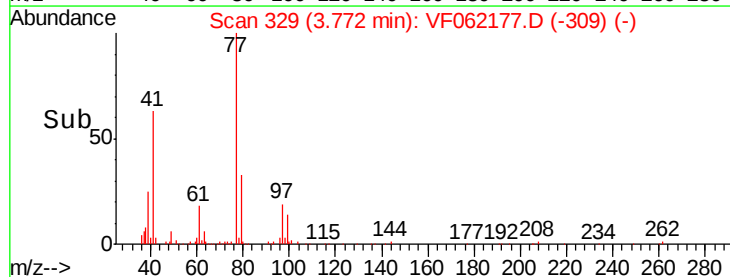
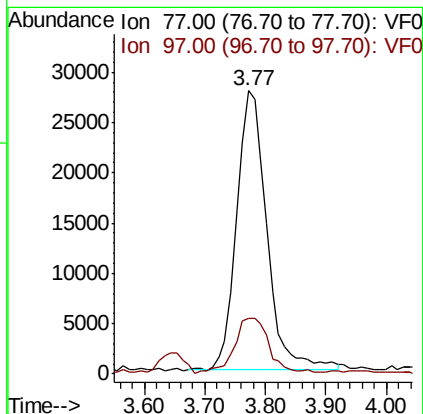
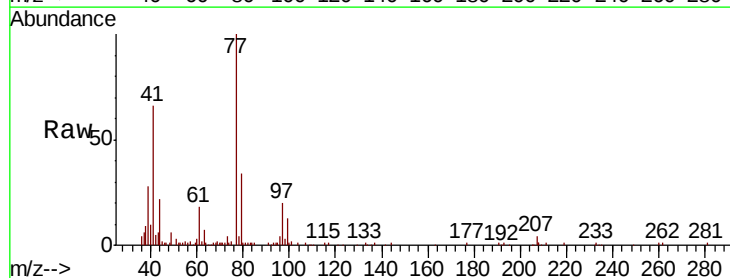
Acq: 16 Apr 2019 15:48

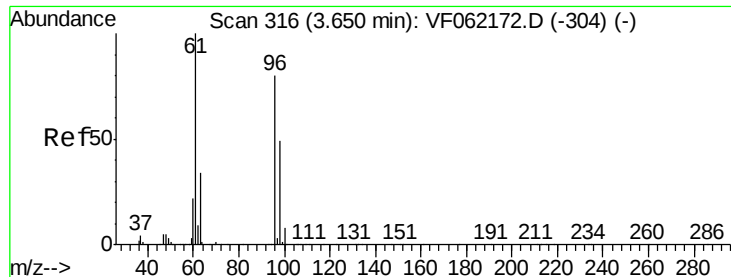
Tgt Ion: 77 Resp: 96688

Ion Ratio Lower Upper

77 100

97 19.5 10.3 30.9



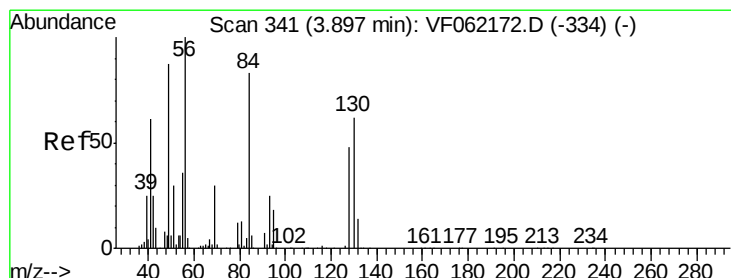
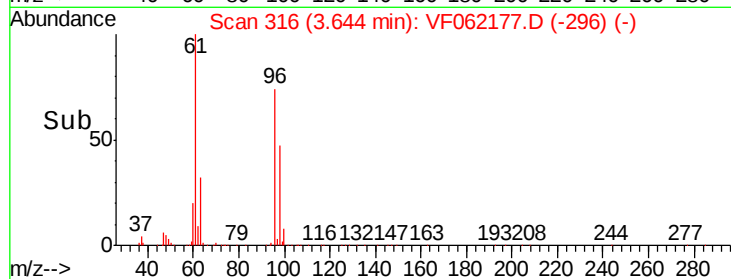
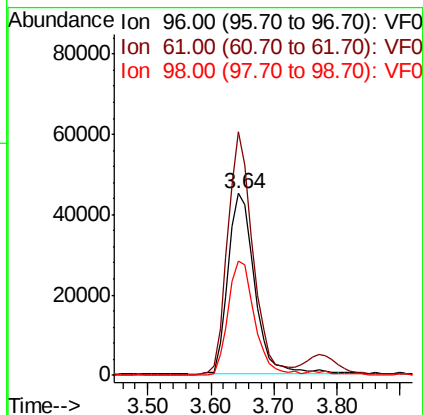
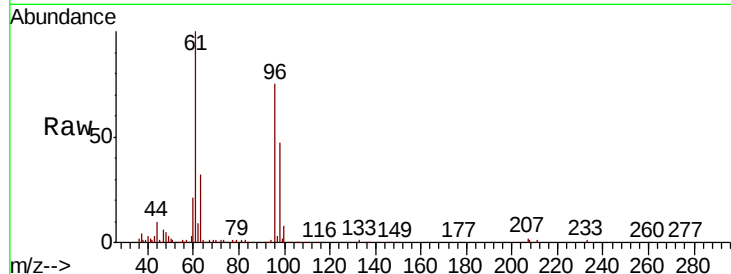


#27

cis-1,2-Dichloroethene
 Concen: 23.920 ug/l
 RT: 3.64 min Scan# 316
 Delta R.T. -0.01 min
 Lab File: VF062177.D
 Acq: 16 Apr 2019 15:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0416SBS01

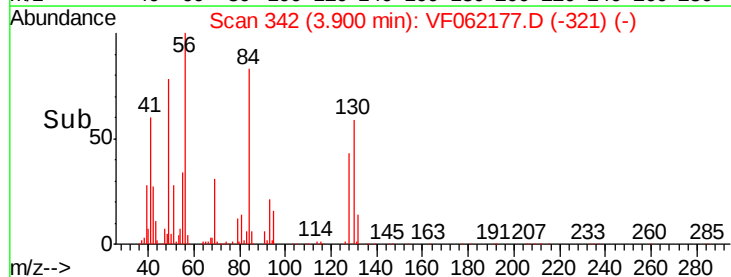
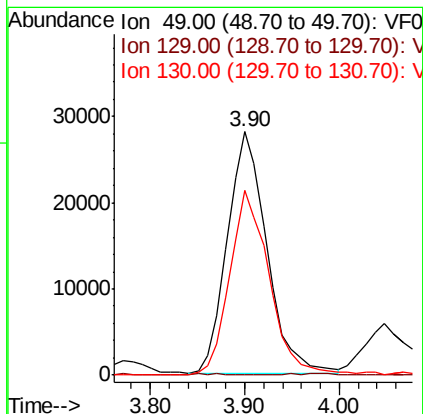
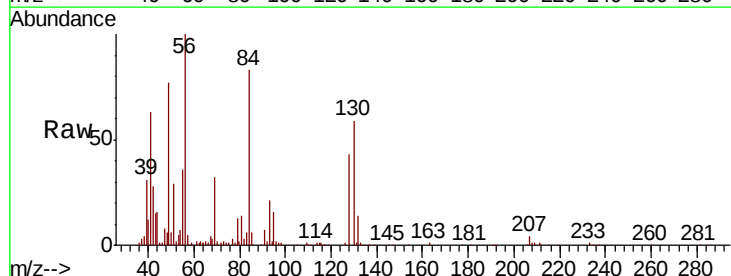
Tot Ion	Ratio	Lower	Upper
96	100		
61	134.1	0.0	248.2
98	62.9	0.0	122.4

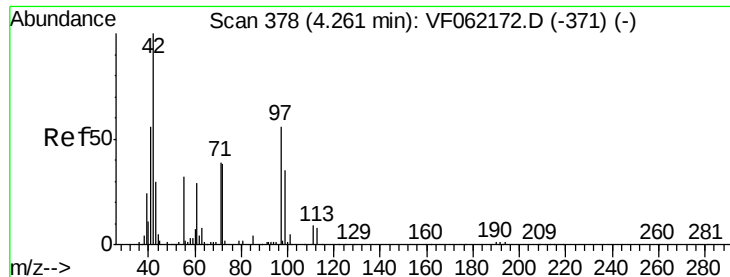


#28

Bromochloromethane
 Concen: 25.173 ug/l
 RT: 3.90 min Scan# 342
 Delta R.T. 0.00 min
 Lab File: VF062177.D
 Acq: 16 Apr 2019 15:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	76.1	56.5	84.7





#29

Tetrahydrofuran

Concen: 121.238 ug/l

RT: 4.26 min Scan# 379

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

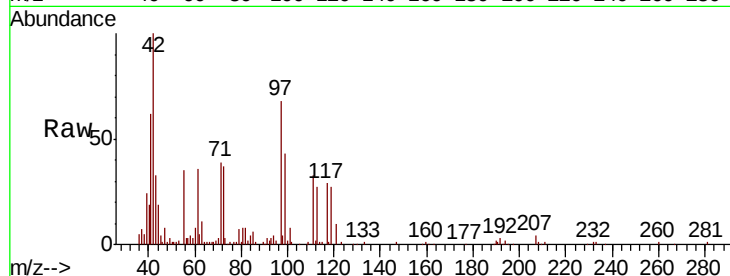
Tot Ion: 42 Resp: 92782

Ion Ratio Lower Upper

42 100

72 35.4 28.7 43.1

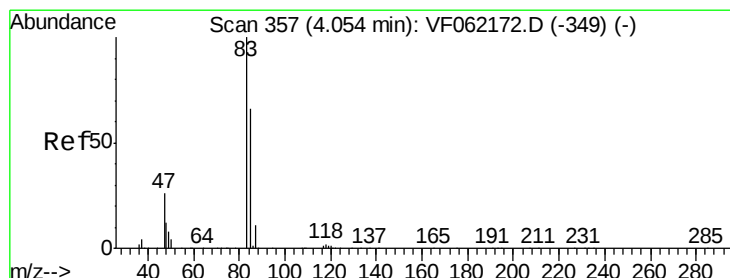
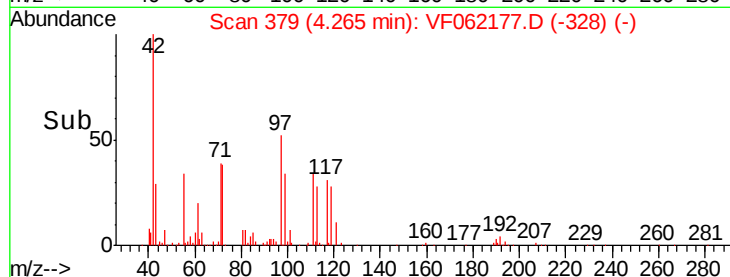
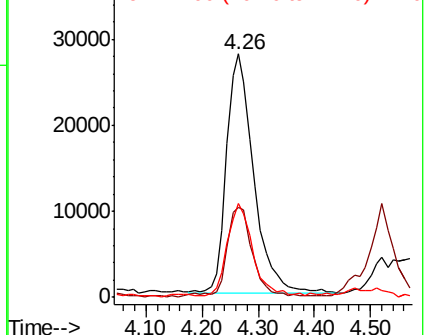
71 35.5 30.8 46.2



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 23.507 ug/l

RT: 4.05 min Scan# 357

Delta R.T. -0.01 min

Lab File: VF062177.D

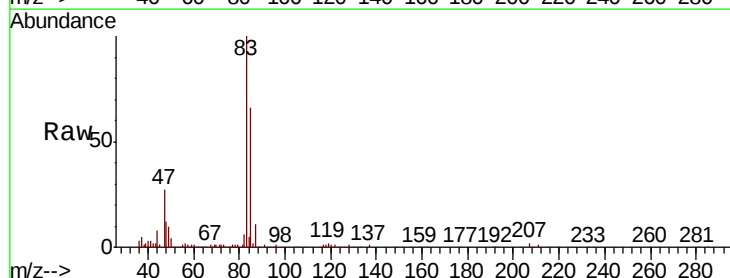
Acq: 16 Apr 2019 15:48

Tgt Ion: 83 Resp: 197224

Ion Ratio Lower Upper

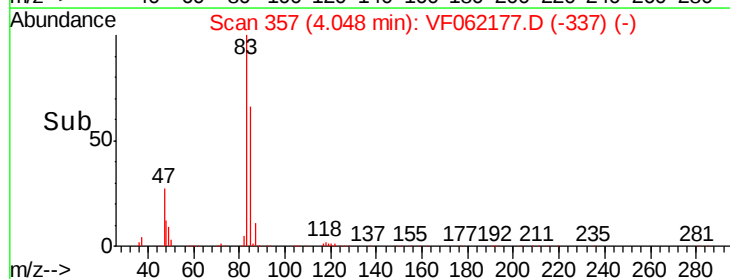
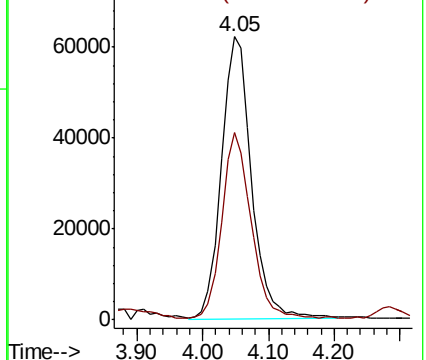
83 100

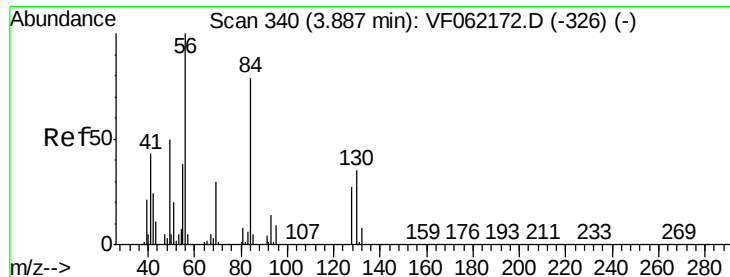
85 66.3 53.5 80.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

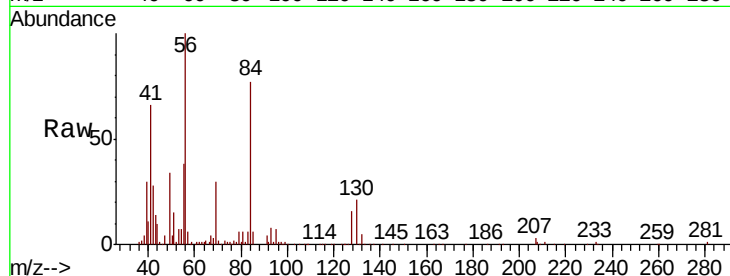




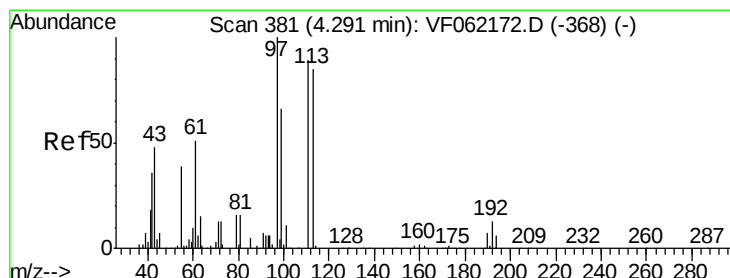
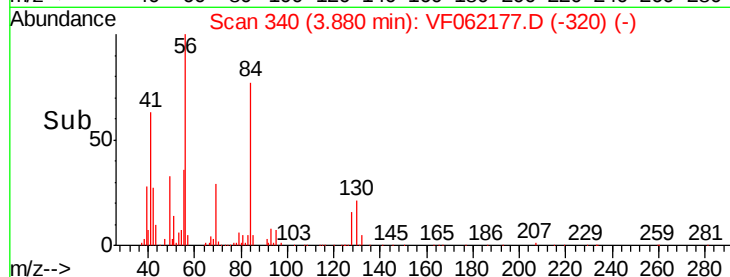
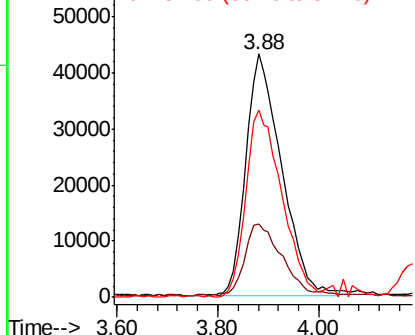
#31
Cyclohexane
Concen: 24.340 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.01 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.0	24.4	36.6
84	76.7	63.4	95.2

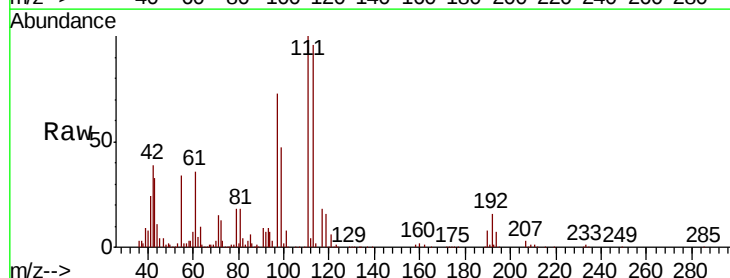


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

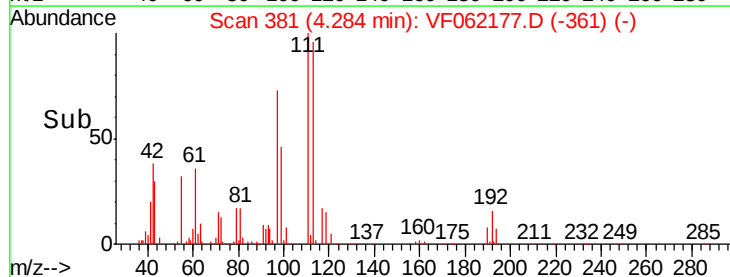
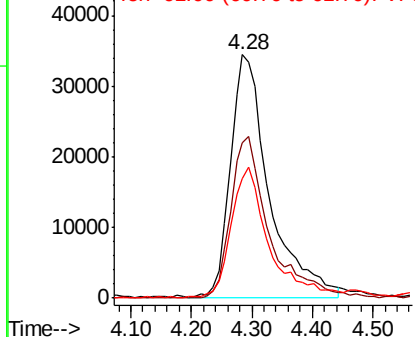


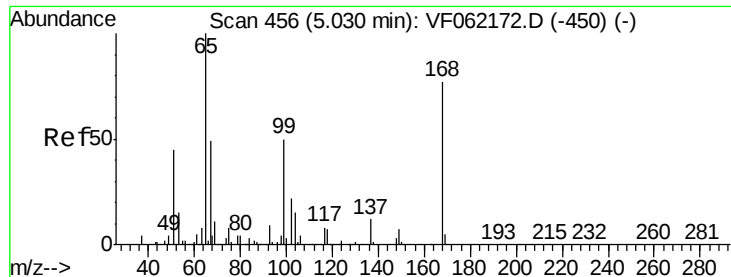
#32
1,1,1-Trichloroethane
Concen: 26.651 ug/l
RT: 4.28 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	52.3	78.5
61	48.9	40.9	61.3



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





#33

1,2-Dichloroethane-d4

Concen: 55.544 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

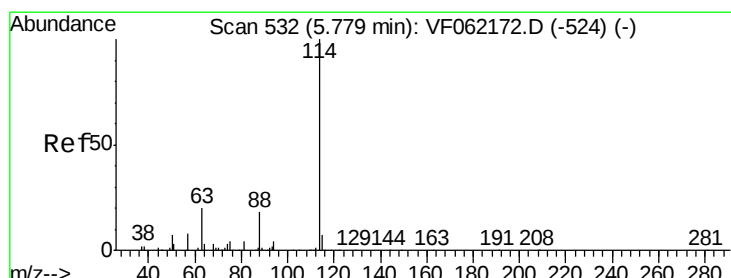
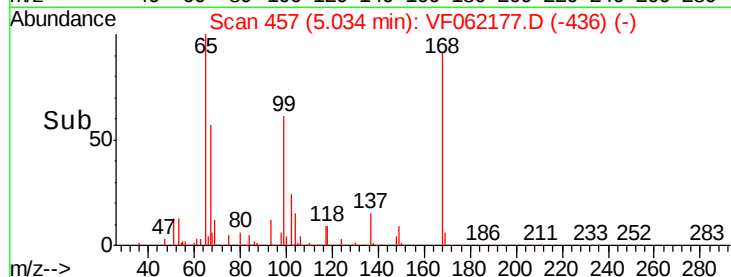
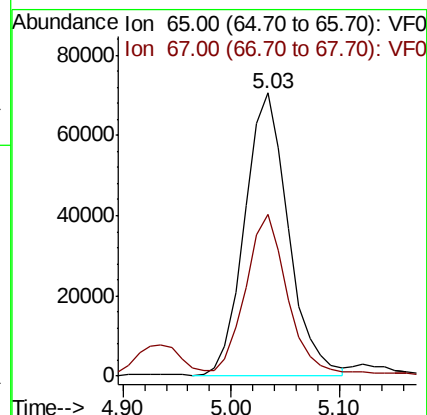
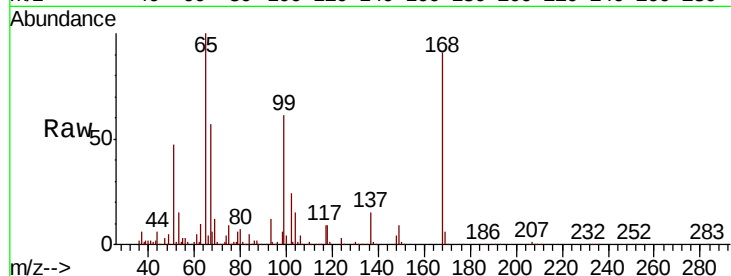
VF0416SBS01

Tot Ion: 65 Resp: 197321

Ion Ratio Lower Upper

65 100

67 57.0 0.0 107.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 532

Delta R.T. -0.01 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

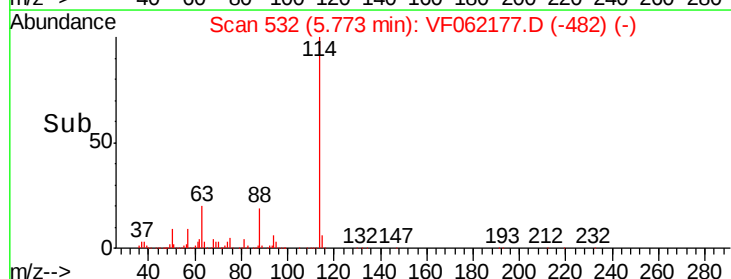
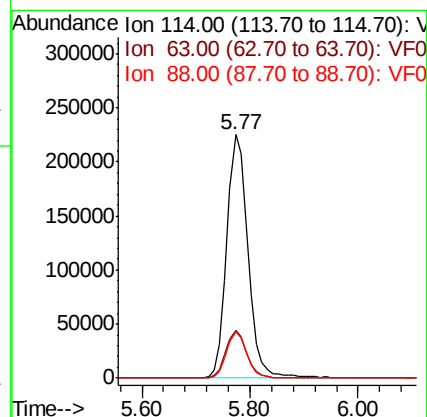
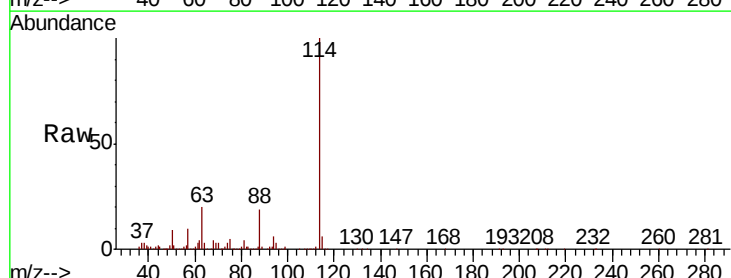
Tgt Ion: 114 Resp: 612891

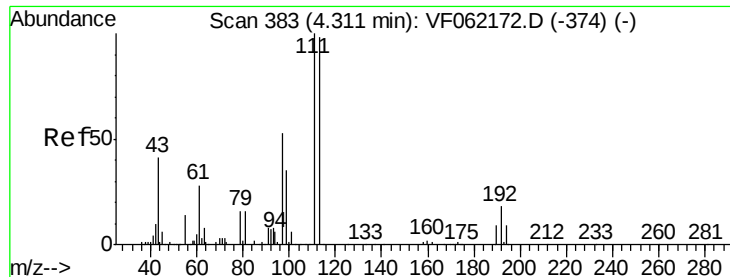
Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.0

88 19.0 0.0 36.6





#35

Dibromofluoromethane

Concen: 56.454 ug/l

RT: 4.30 min Scan# 383

Delta R.T. -0.01 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

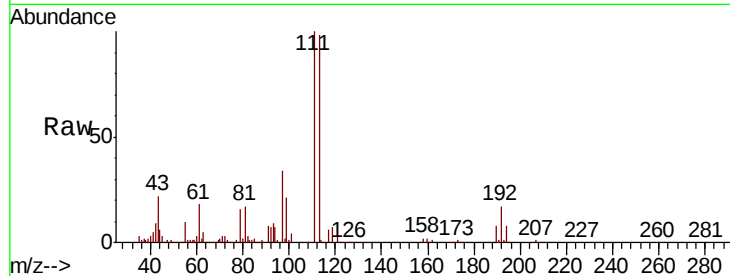
Tot Ion:113 Resp: 272937

Ion Ratio Lower Upper

113 100

111 102.2 81.6 122.4

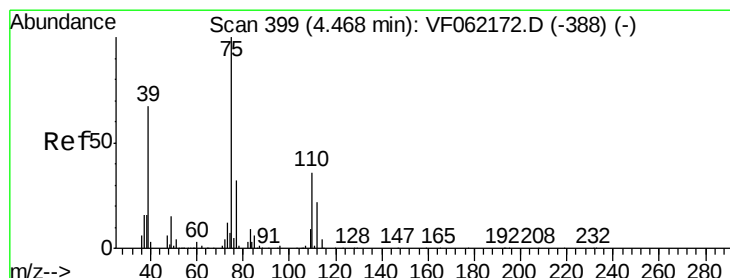
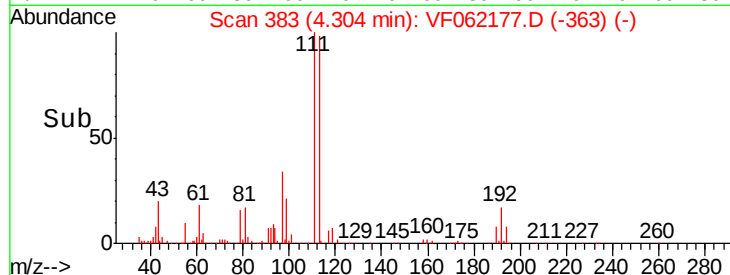
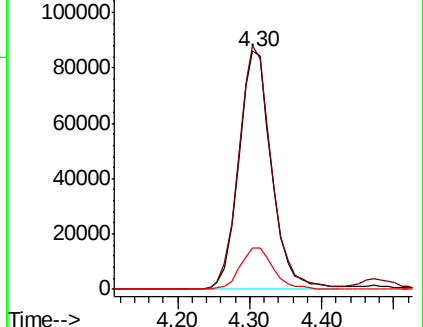
192 17.5 15.0 22.4



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: 22.887 ug/l

RT: 4.47 min Scan# 400

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

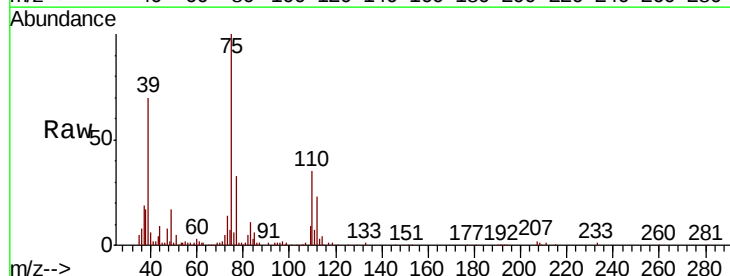
Tgt Ion: 75 Resp: 155852

Ion Ratio Lower Upper

75 100

110 35.4 17.9 53.8

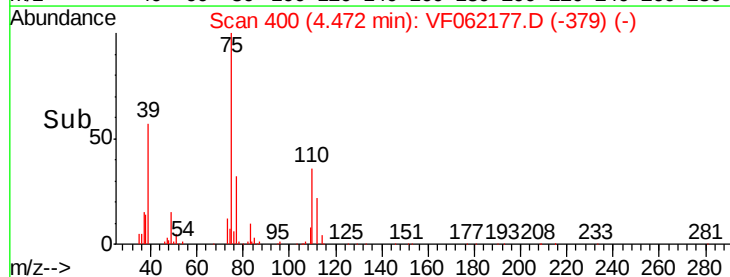
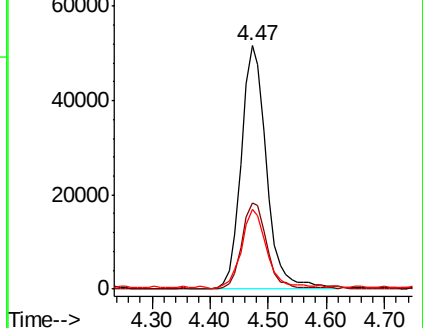
77 32.9 25.6 38.4

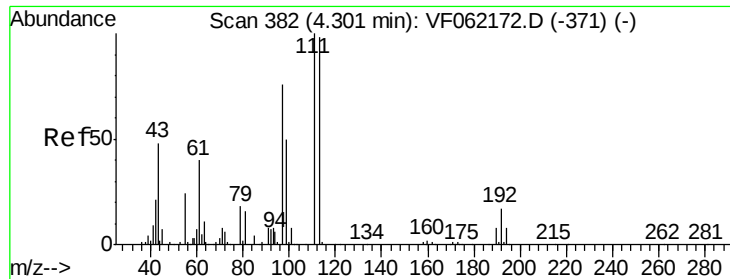


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

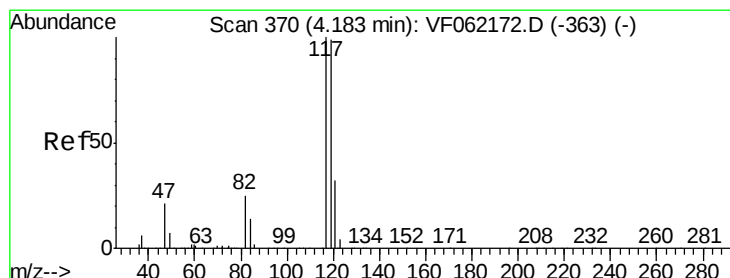
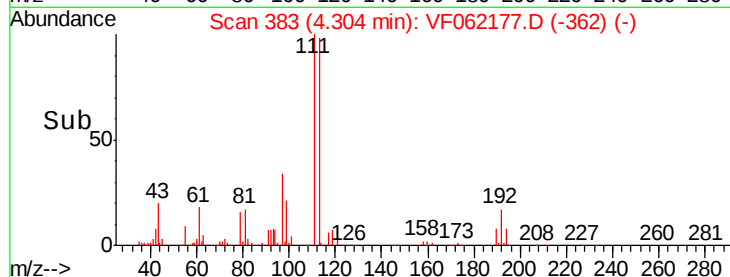
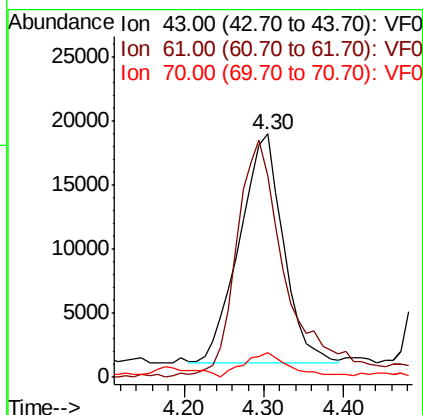
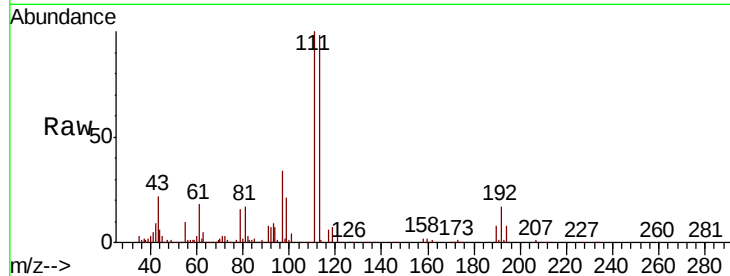




#37
Ethyl Acetate
Concen: 21.716 ug/l
RT: 4.30 min Scan# 383
Delta R.T. 0.00 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

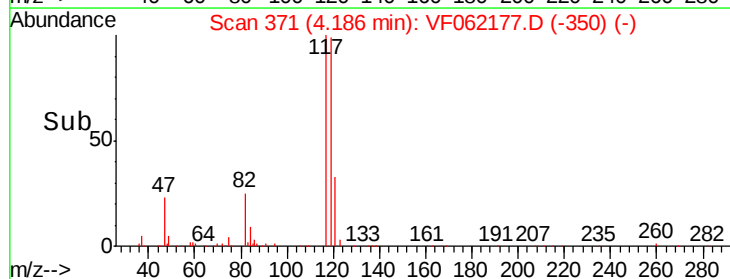
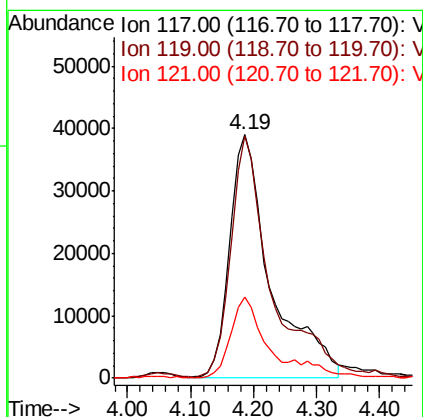
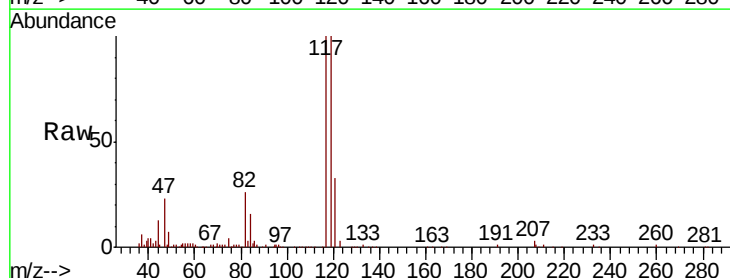
Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

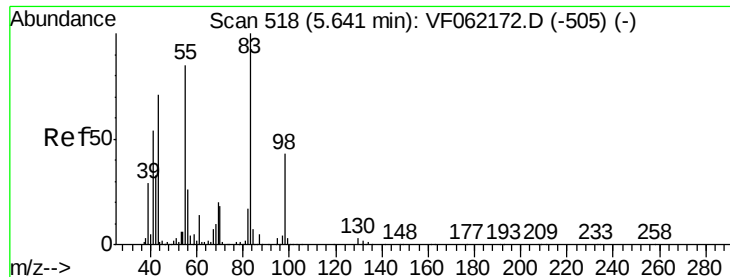
Tot Ion	43	Resp	68139
Ion Ratio	Lower	Upper	
43	100		
61	82.5	64.9	97.3
70	10.0	7.8	11.8



#38
Carbon Tetrachloride
Concen: 29.892 ug/l
RT: 4.19 min Scan# 371
Delta R.T. 0.00 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Tgt Ion	117	Resp	175204
Ion Ratio	Lower	Upper	
117	100		
119	99.6	78.9	118.3
121	33.4	25.3	37.9

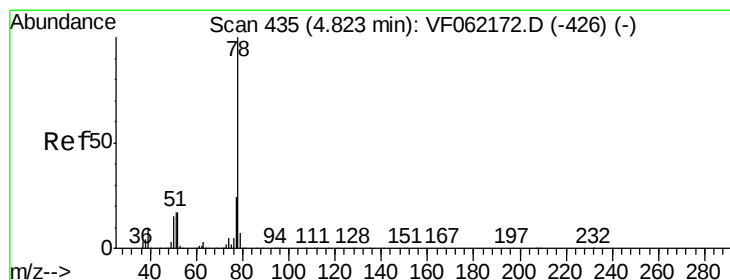
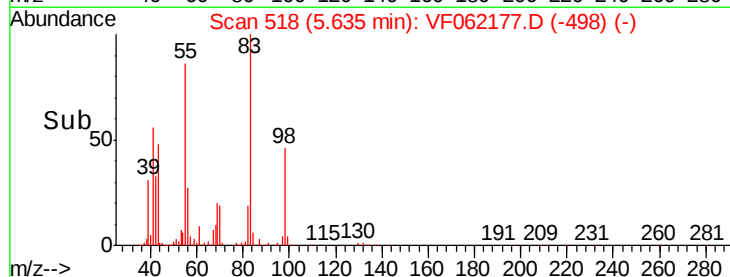
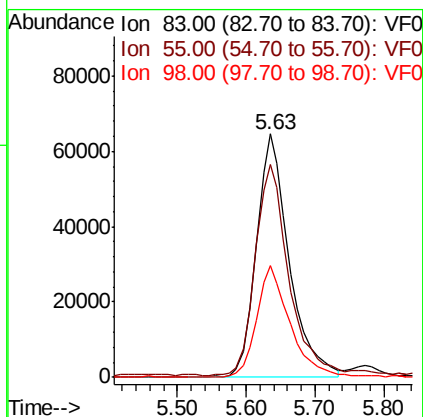
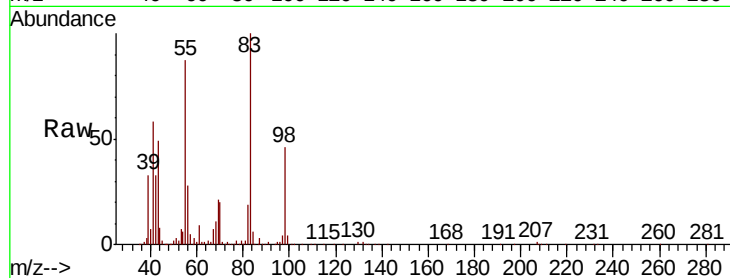




#39
Methvlcvclohexane
Concen: 24.818 ug/l
RT: 5.63 min Scan# 518
Delta R.T. -0.01 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

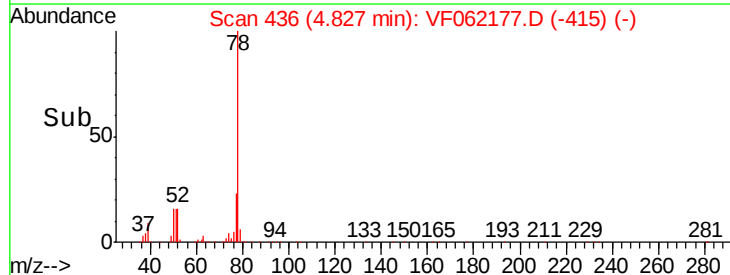
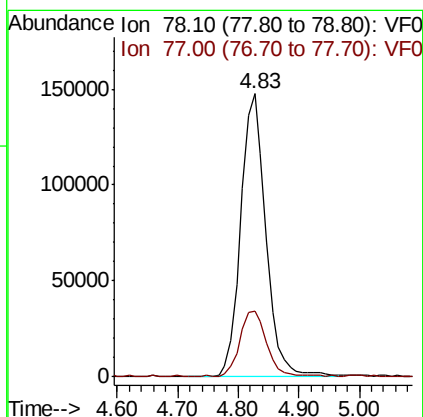
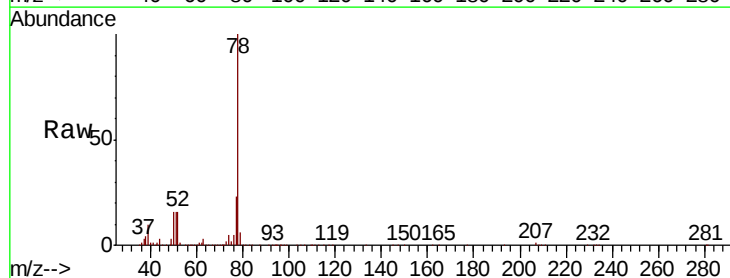
Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

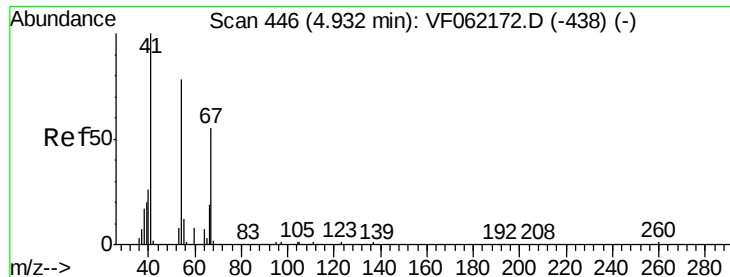
Tot Ion: 83 Resp: 211782
Ion Ratio Lower Upper
83 100
55 87.2 68.2 102.2
98 46.0 34.4 51.6



#40
Benzene
Concen: 23.768 ug/l
RT: 4.83 min Scan# 436
Delta R.T. 0.00 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Tgt Ion: 78 Resp: 427534
Ion Ratio Lower Upper
78 100
77 23.3 19.1 28.7





#41

Methacrylonitrile

Concen: 23.425 ug/l

RT: 4.93 min Scan# 446

Delta R.T. -0.01 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

Tot Ion: 41 Resp: 44164

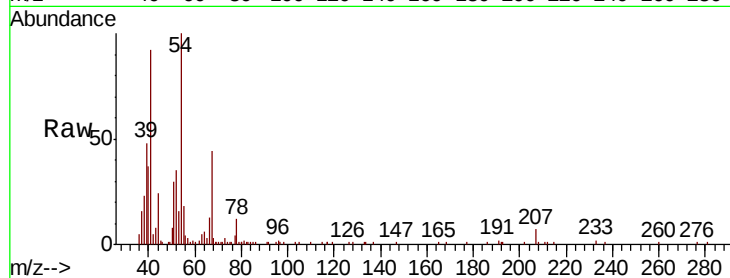
Ion Ratio Lower Upper

41 100

39 51.7 43.5 65.3

67 47.9 42.9 64.3

52 38.1 30.4 45.6

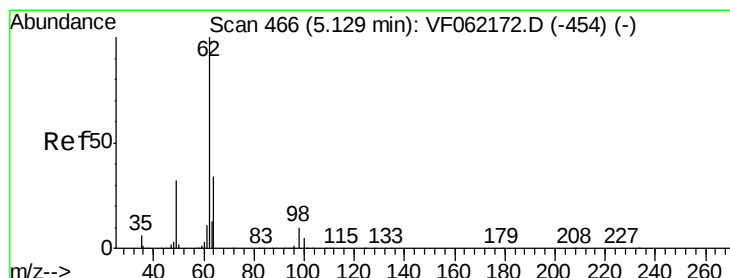
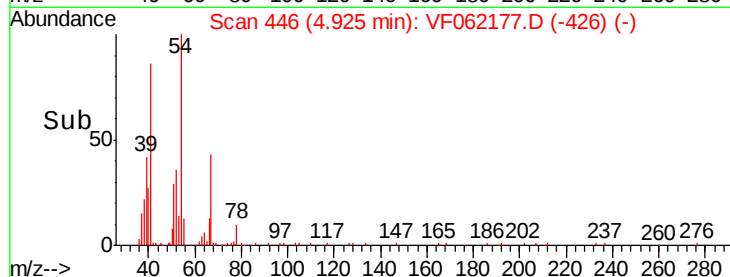
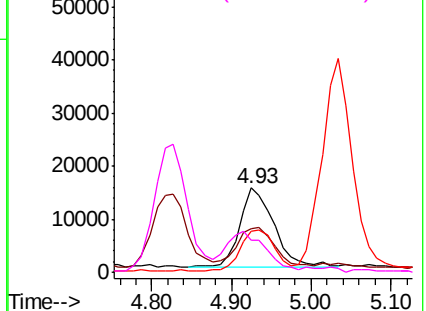


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 23.904 ug/l

RT: 5.12 min Scan# 466

Delta R.T. -0.01 min

Lab File: VF062177.D

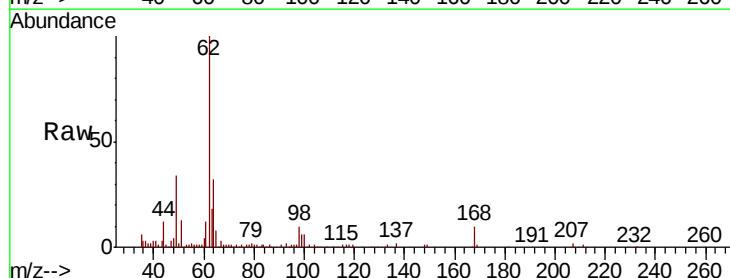
Acq: 16 Apr 2019 15:48

Tgt Ion: 62 Resp: 108829

Ion Ratio Lower Upper

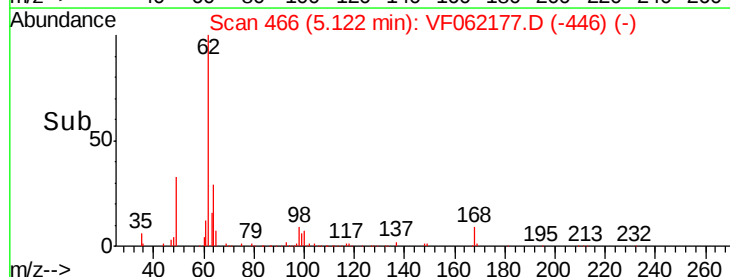
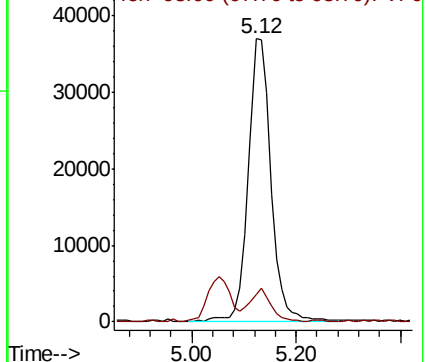
62 100

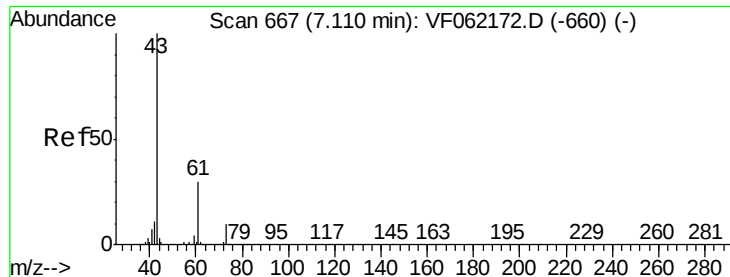
98 9.5 0.0 22.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



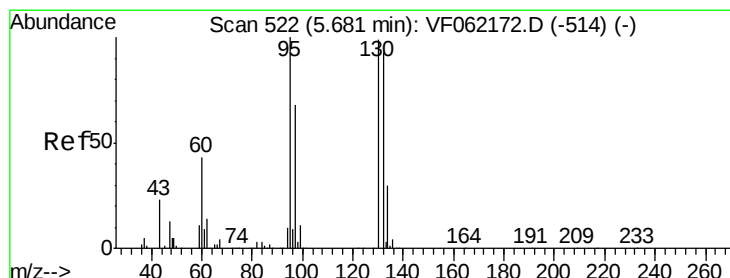
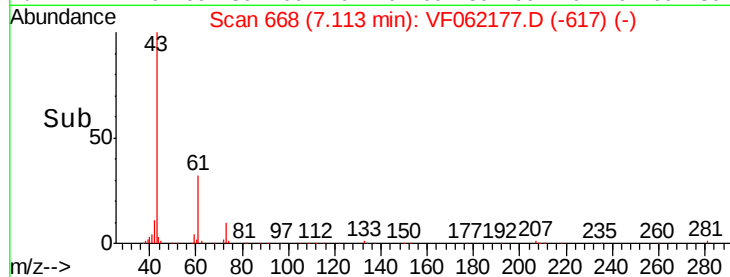
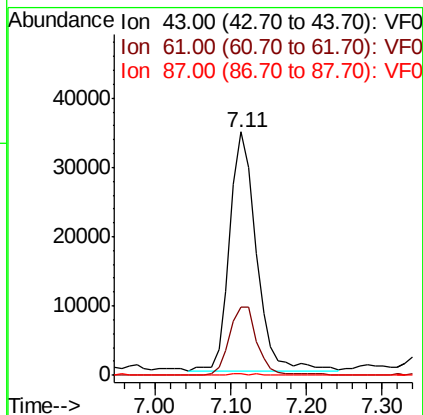
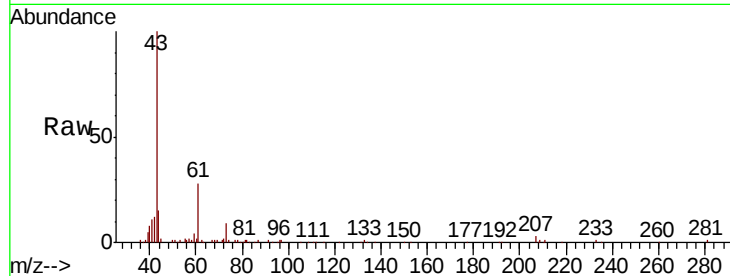


#43

Isopropyl Acetate
 Concen: 23.190 ug/l
 RT: 7.11 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VF062177.D
 Acq: 16 Apr 2019 15:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0416SBS01

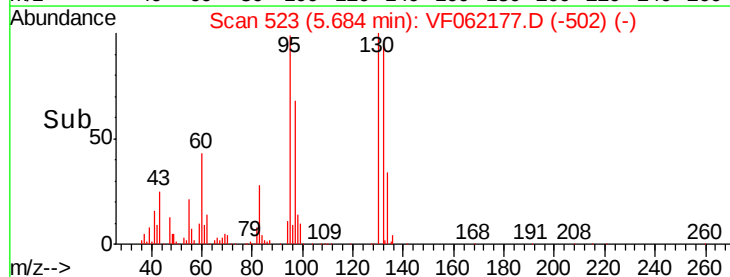
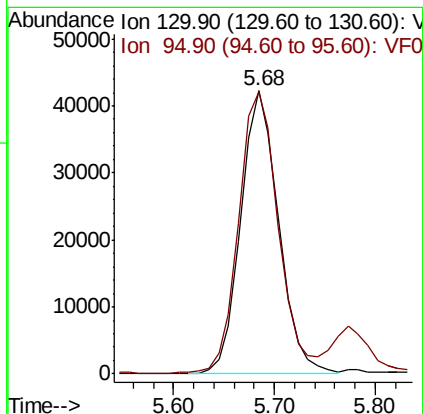
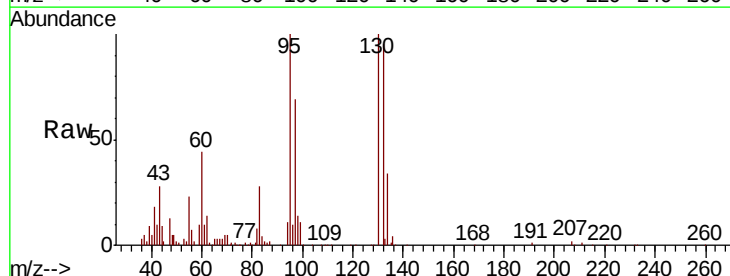
Tot Ion	43	Resp	84069
Ion Ratio	100	Lower	Upper
61	28.2	23.7	35.5
87	0.5	0.3	0.5#

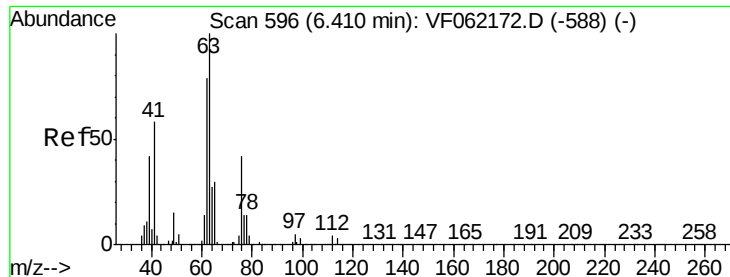


#44

Trichloroethene
 Concen: 22.962 ug/l
 RT: 5.68 min Scan# 523
 Delta R.T. 0.00 min
 Lab File: VF062177.D
 Acq: 16 Apr 2019 15:48

Tgt Ion	130	Resp	110553
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
95	99.8	0.0	202.2





#45

1,2-Dichloropropane

Concen: 21.342 ug/l

RT: 6.41 min Scan# 597

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

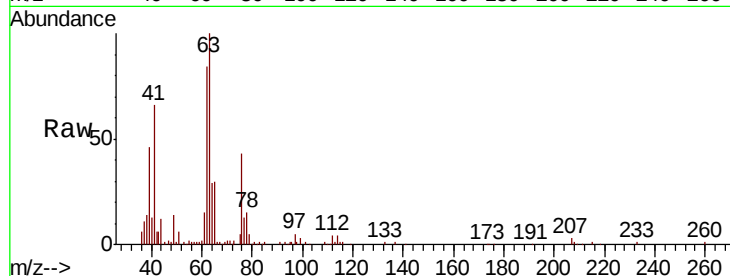
VF0416SBS01

Tot Ion: 63 Resp: 94179

Ion Ratio Lower Upper

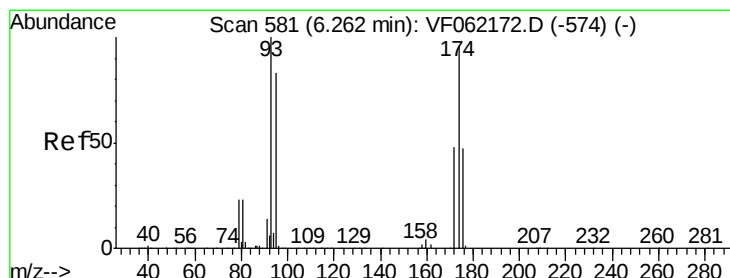
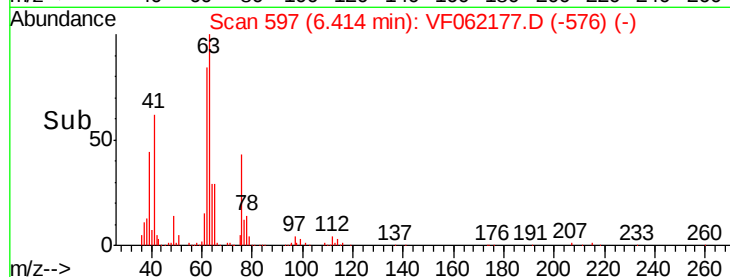
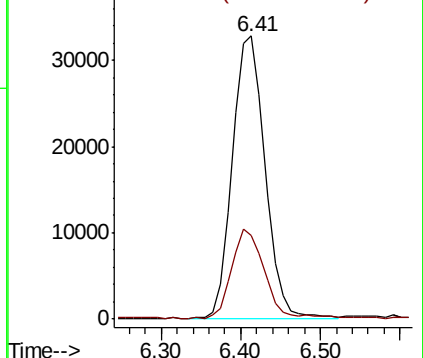
63 100

65 29.6 23.7 35.5



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 22.389 ug/l

RT: 6.26 min Scan# 581

Delta R.T. -0.01 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

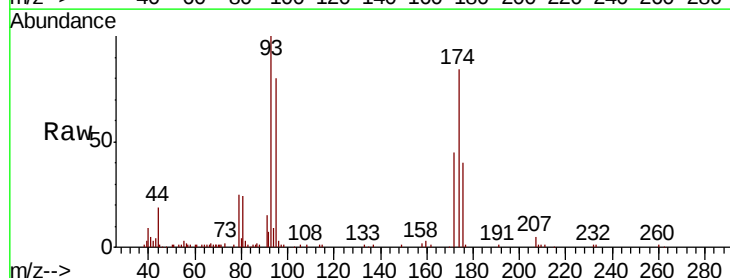
Tgt Ion: 93 Resp: 59575

Ion Ratio Lower Upper

93 100

95 80.2 67.0 100.6

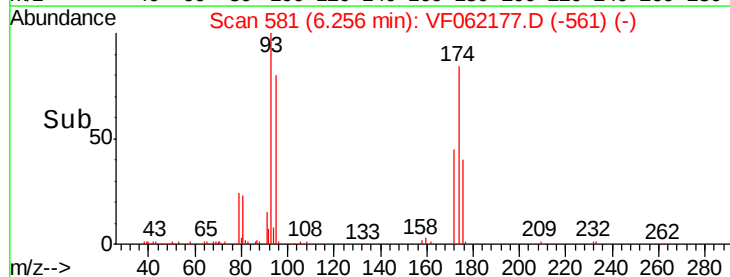
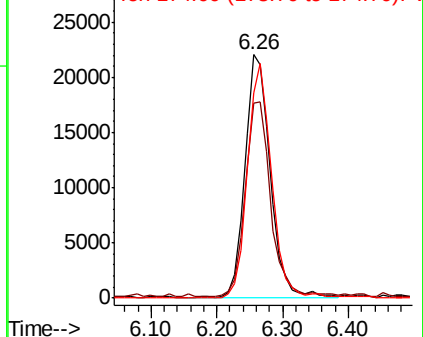
174 84.4 76.3 114.5

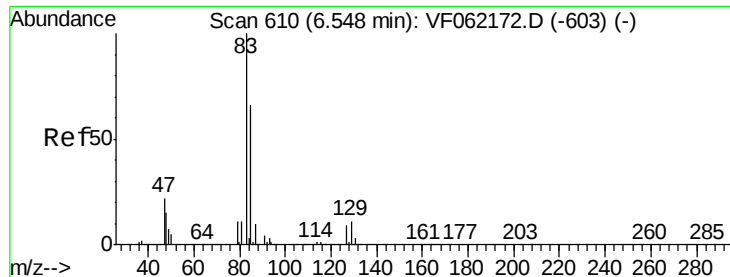


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 21.501 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

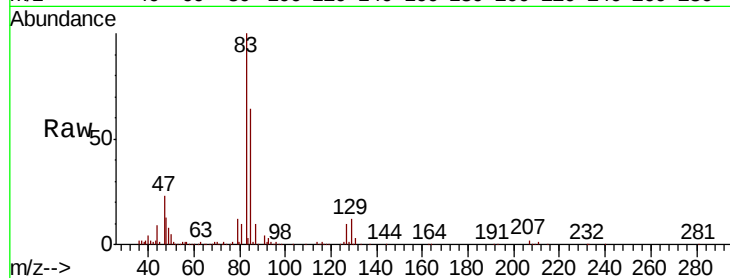
Tot Ion: 83 Resp: 129616

Ion Ratio Lower Upper

83 100

85 63.6 52.6 79.0

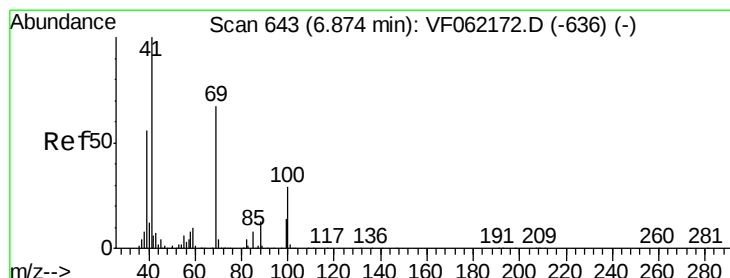
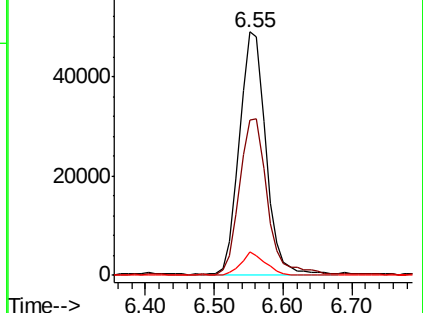
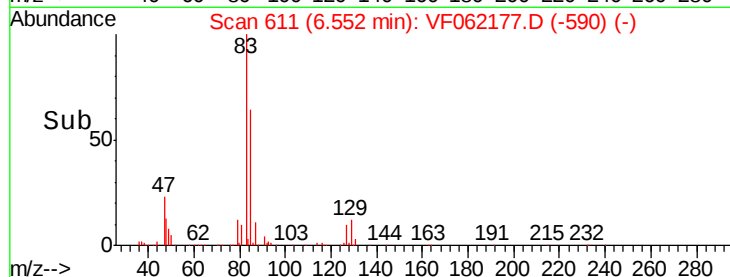
127 9.6 6.8 10.2



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: 21.489 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

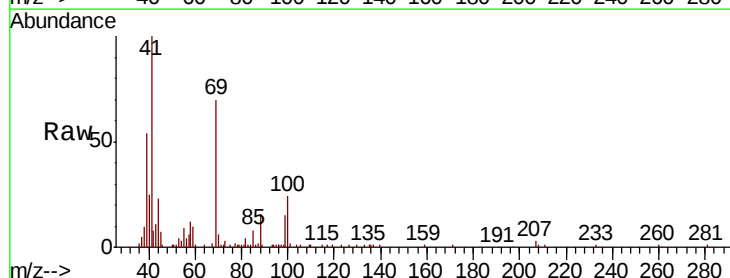
Tgt Ion: 41 Resp: 51007

Ion Ratio Lower Upper

41 100

69 70.0 52.8 79.2

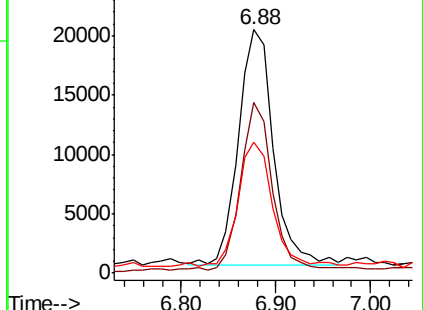
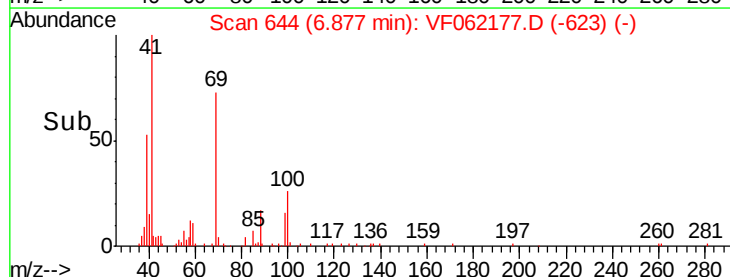
39 54.0 45.0 67.4

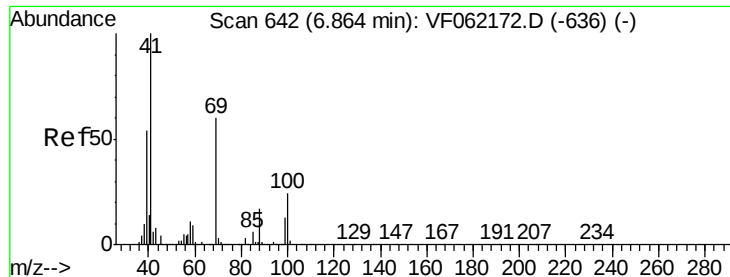


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 569.403 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.01 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

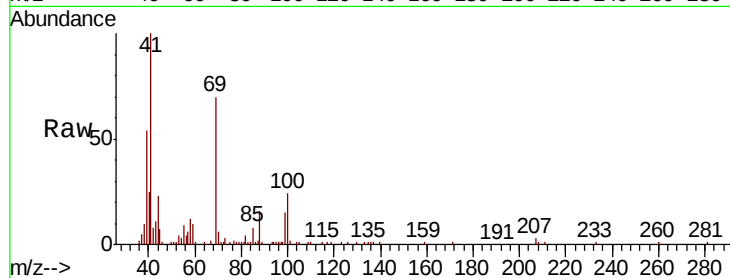
Tot Ion: 88 Resp: 10532

Ion Ratio Lower Upper

88 100

43 70.4 49.5 74.3

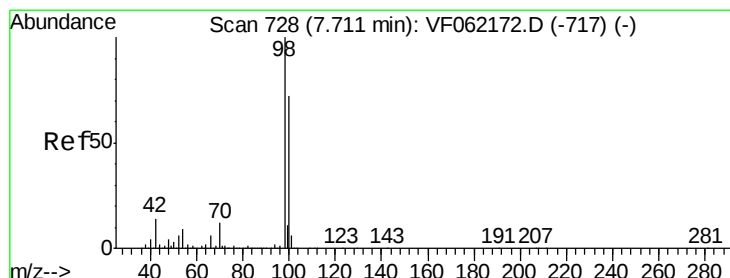
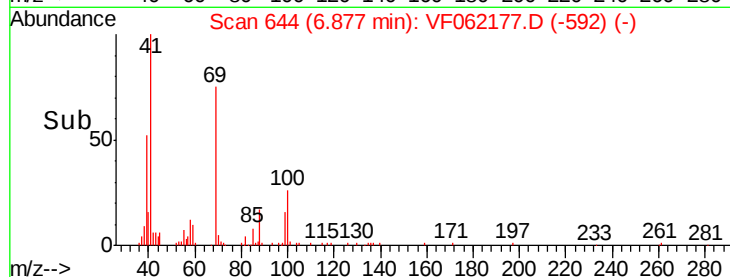
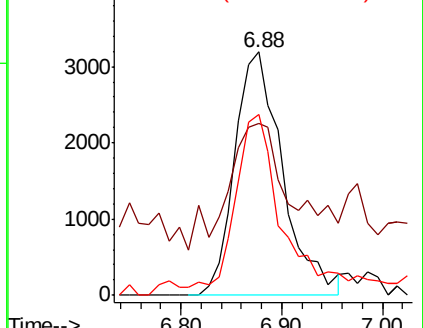
58 74.1 52.6 79.0



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 51.697 ug/l

RT: 7.71 min Scan# 729

Delta R.T. 0.00 min

Lab File: VF062177.D

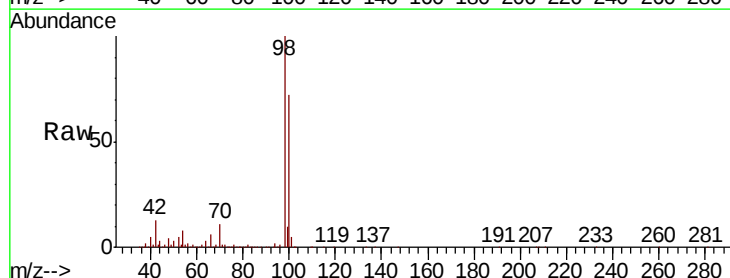
Acq: 16 Apr 2019 15:48

Tgt Ion: 98 Resp: 730382

Ion Ratio Lower Upper

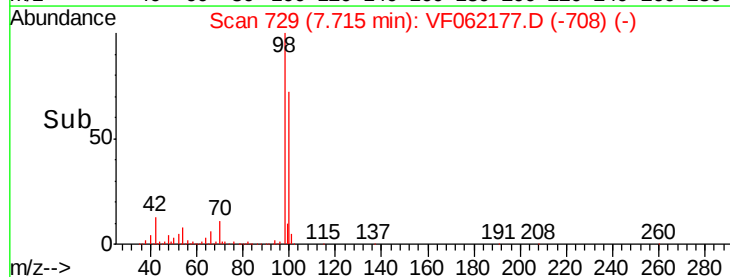
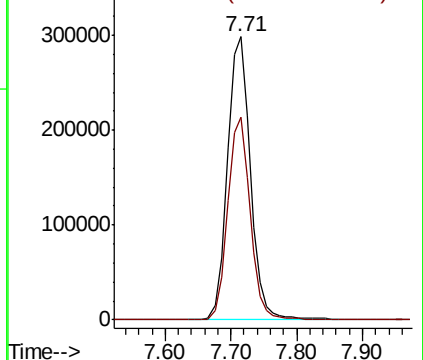
98 100

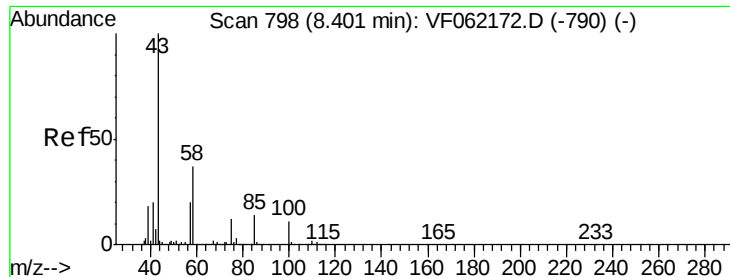
100 71.6 57.4 86.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 109.361 ug/l

RT: 8.40 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

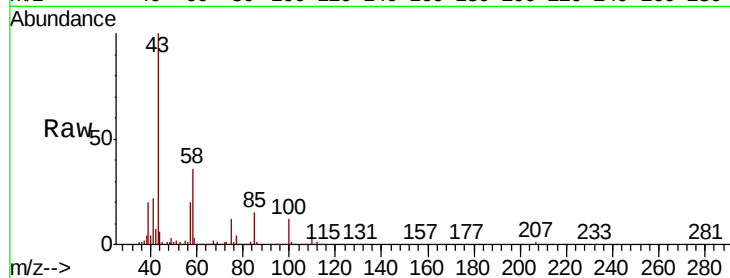
VF0416SBS01

Tot Ion: 43 Resp: 305509

Ion Ratio Lower Upper

43 100

58 36.5 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.40

150000

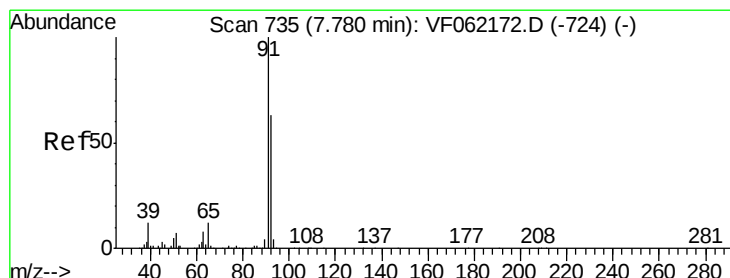
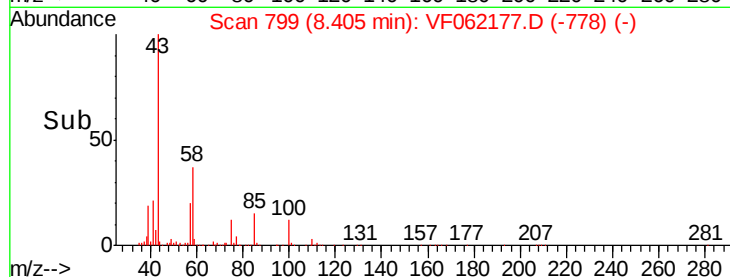
100000

50000

0

8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 21.146 ug/l

RT: 7.78 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF062177.D

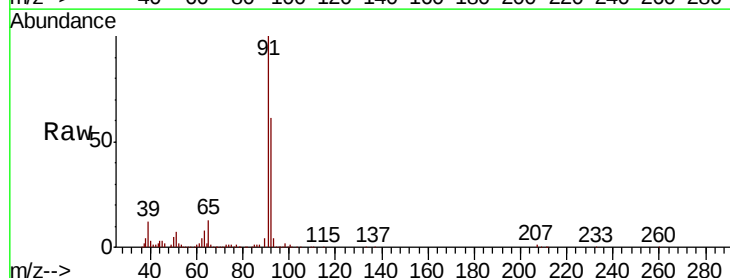
Acq: 16 Apr 2019 15:48

Tgt Ion: 92 Resp: 223453

Ion Ratio Lower Upper

92 100

91 163.4 126.9 190.3



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.78

150000

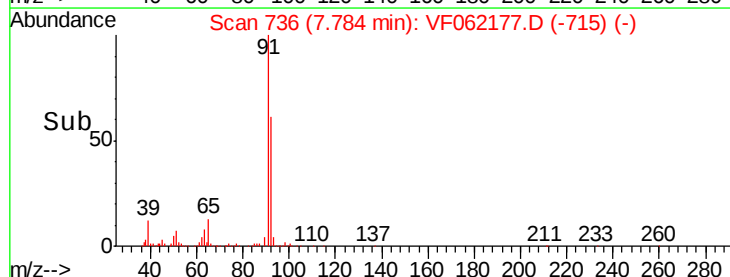
100000

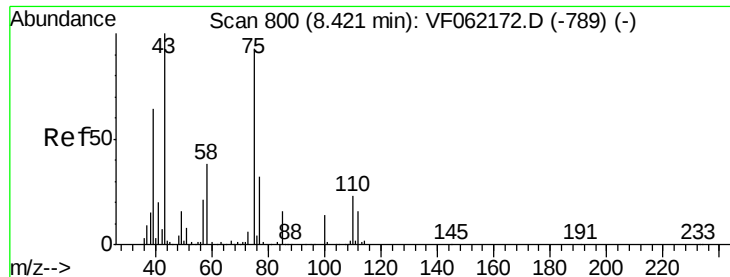
50000

0

7.70 7.80 7.90 8.00

Time-->

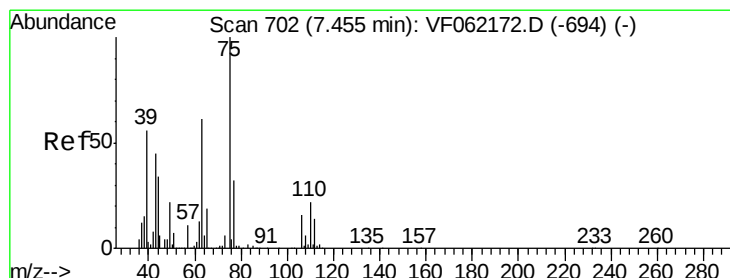
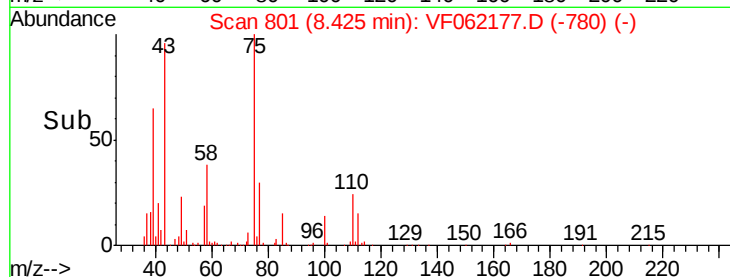
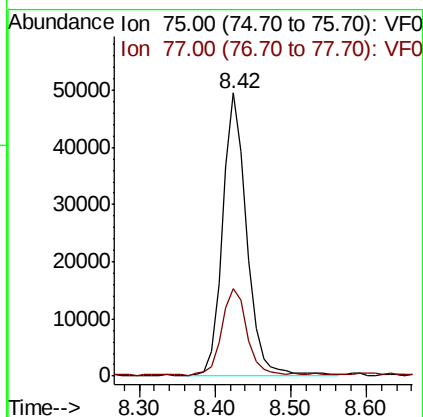
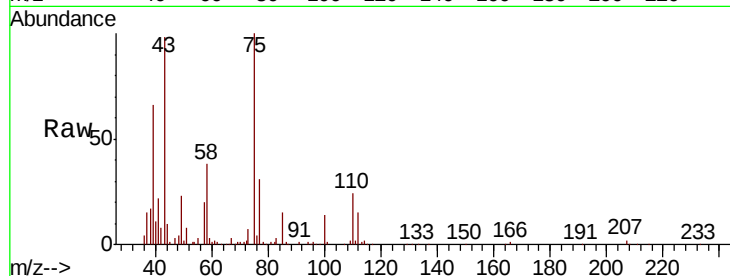




#53
 t-1,3-Dichloropropene
 Concen: 21.033 ug/l
 RT: 8.42 min Scan# 801
 Delta R.T. 0.00 min
 Lab File: VF062177.D
 Acq: 16 Apr 2019 15:48

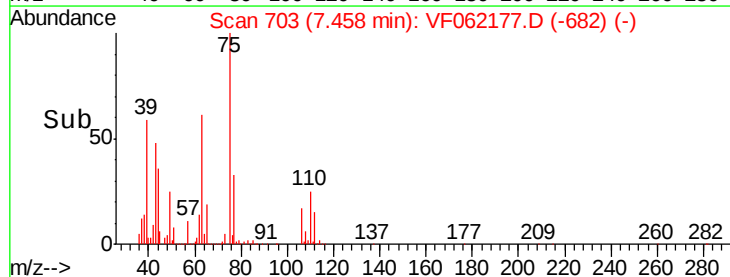
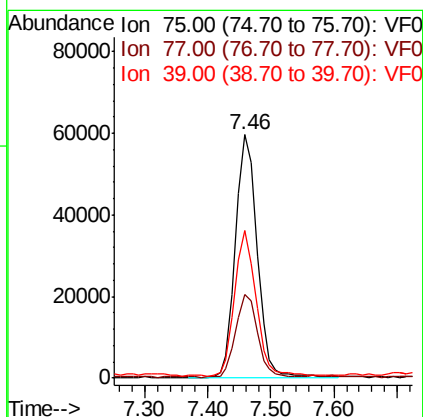
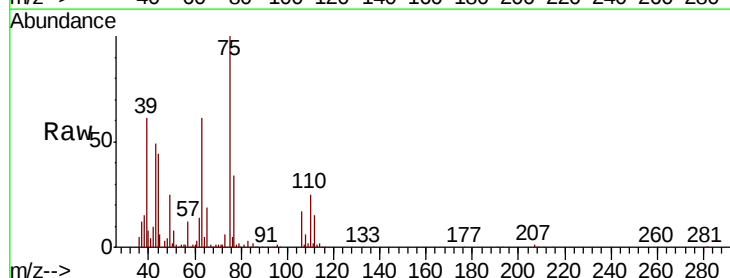
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0416SBS01

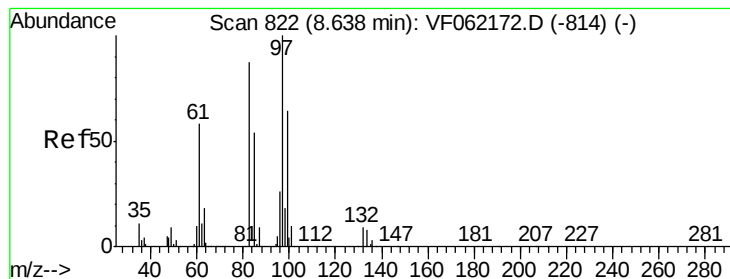
Tot Ion: 75 Resp: 109826
 Ion Ratio Lower Upper
 75 100
 77 30.7 27.8 41.6



#54
 cis-1,3-Dichloropropene
 Concen: 21.626 ug/l
 RT: 7.46 min Scan# 703
 Delta R.T. 0.00 min
 Lab File: VF062177.D
 Acq: 16 Apr 2019 15:48

Tgt Ion: 75 Resp: 143595
 Ion Ratio Lower Upper
 75 100
 77 34.2 26.0 39.0
 39 60.8 45.2 67.8





#55

1,1,2-Trichloroethane

Concen: 19.555 ug/l

RT: 8.64 min Scan# 823

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

Tot Ion: 97 Resp: 59181

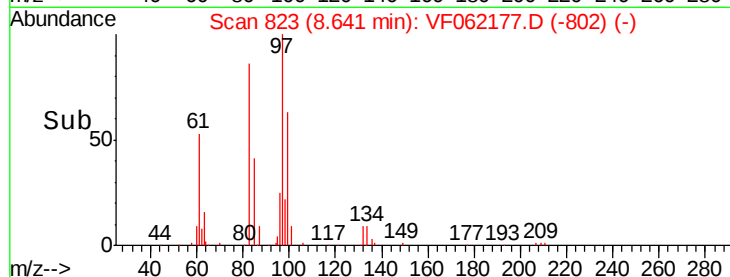
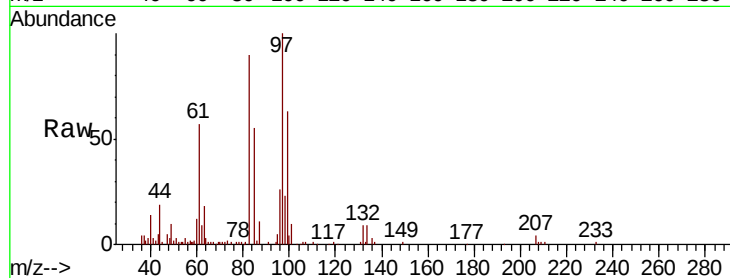
Ion Ratio Lower Upper

97 100

83 90.3 69.6 104.4

85 55.1 43.5 65.3

99 62.6 51.5 77.3

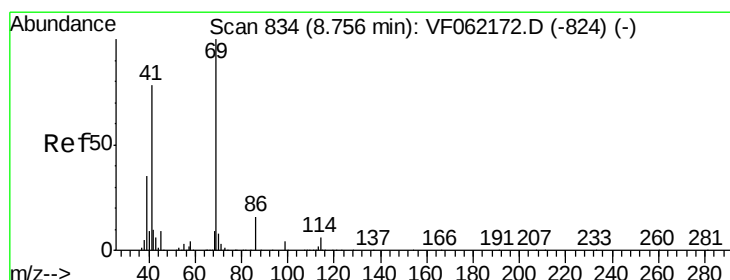
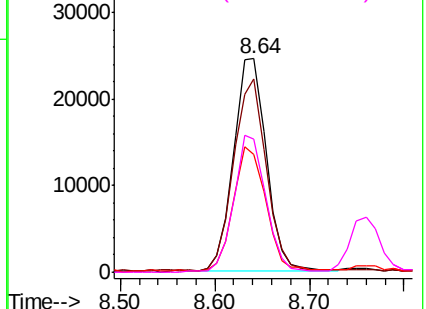


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 21.232 ug/l

RT: 8.76 min Scan# 835

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

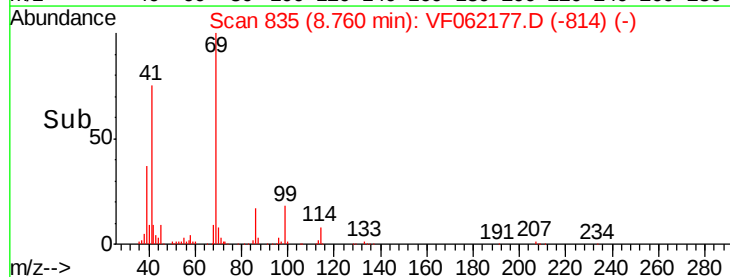
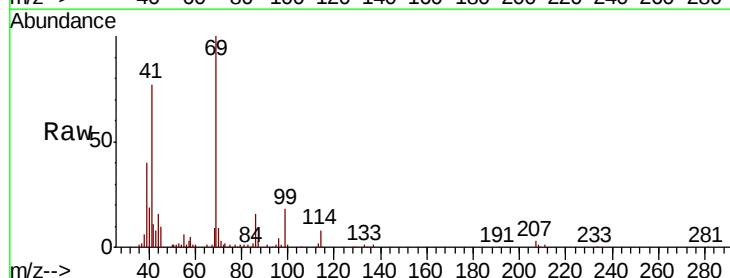
Tgt Ion: 69 Resp: 76409

Ion Ratio Lower Upper

69 100

41 77.3 63.4 95.0

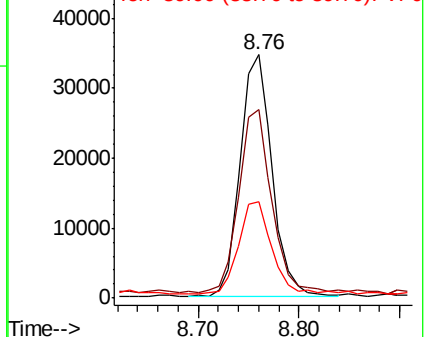
39 39.6 29.0 43.6

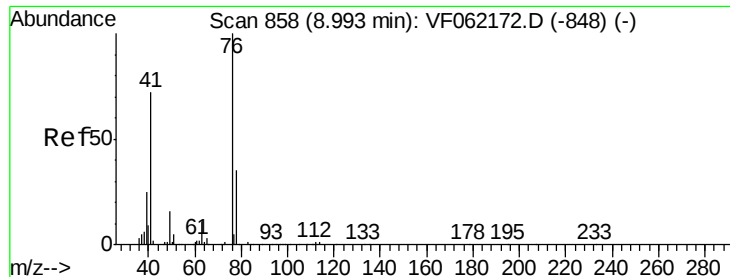


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 21.060 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

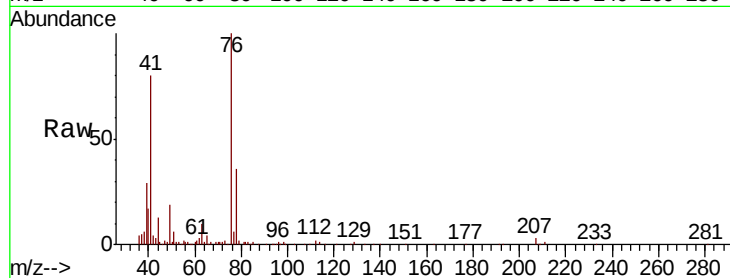
VF0416SBS01

Tot Ion: 76 Resp: 104783

Ion Ratio Lower Upper

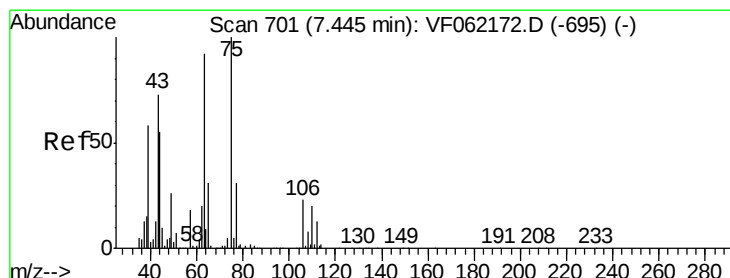
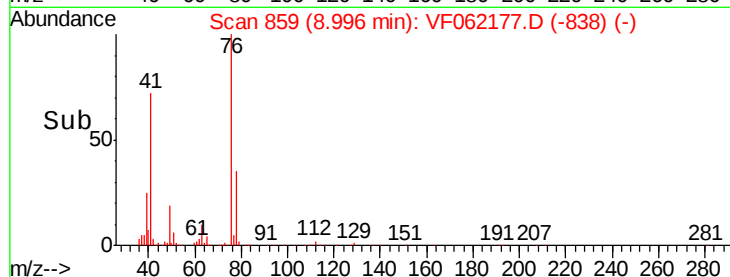
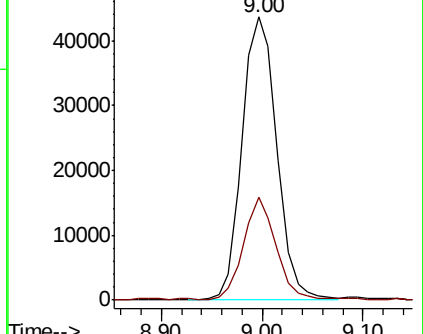
76 100

78 36.2 28.2 42.2



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 103.455 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF062177.D

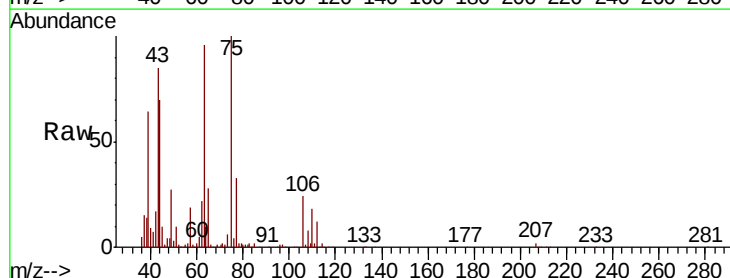
Acq: 16 Apr 2019 15:48

Tgt Ion: 63 Resp: 95926

Ion Ratio Lower Upper

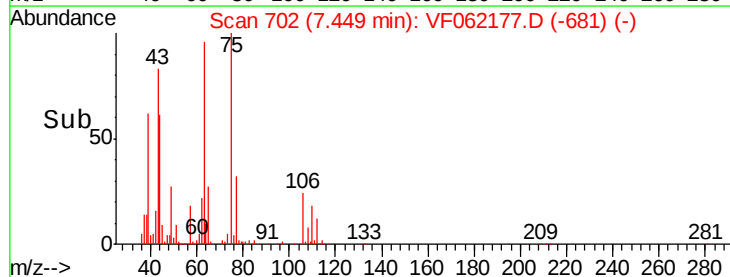
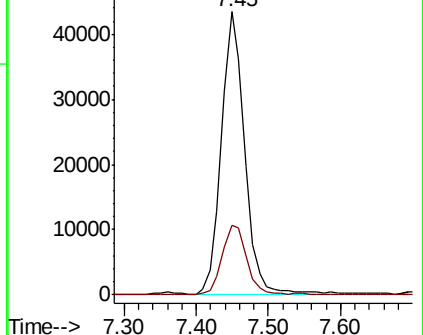
63 100

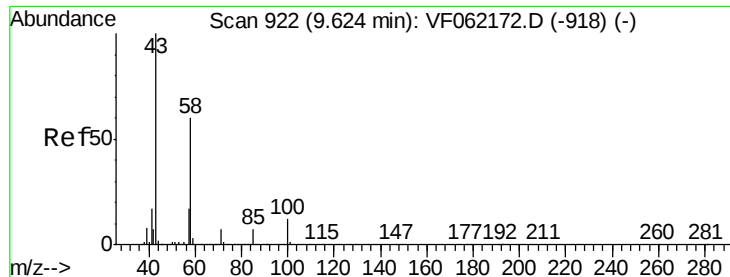
106 24.6 20.2 30.4



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

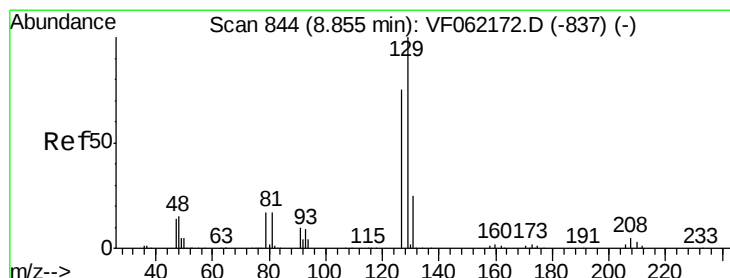
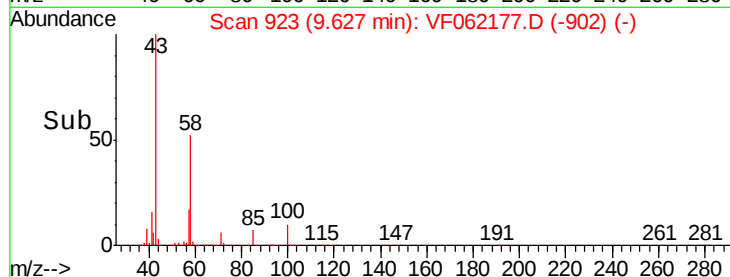
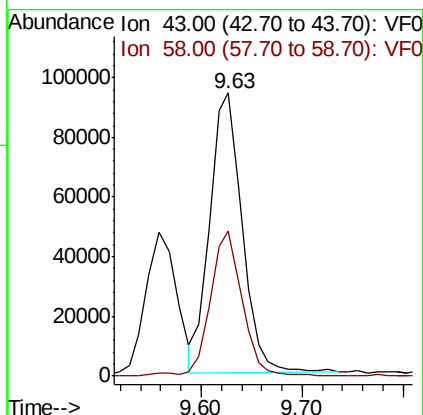
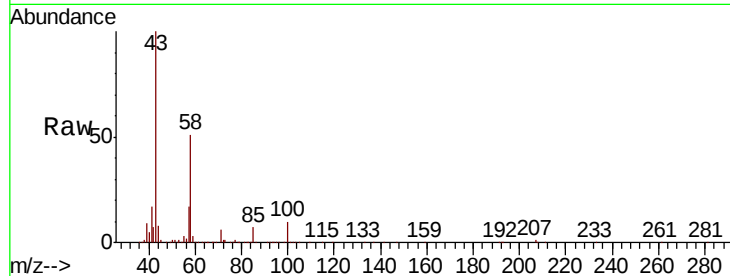




#59
2-Hexanone
Concen: 118.769 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

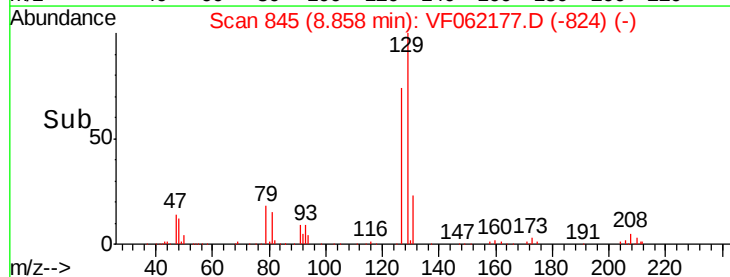
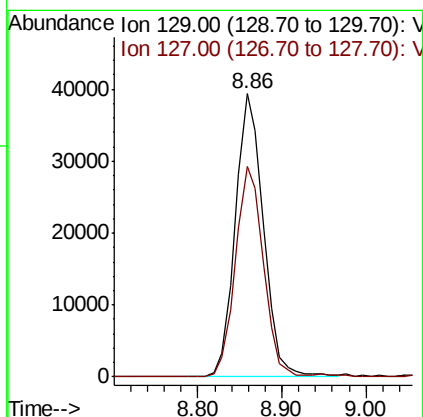
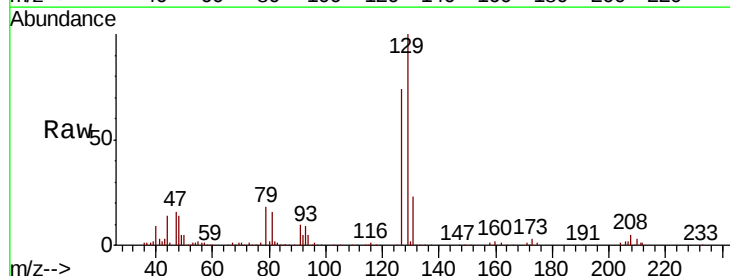
Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

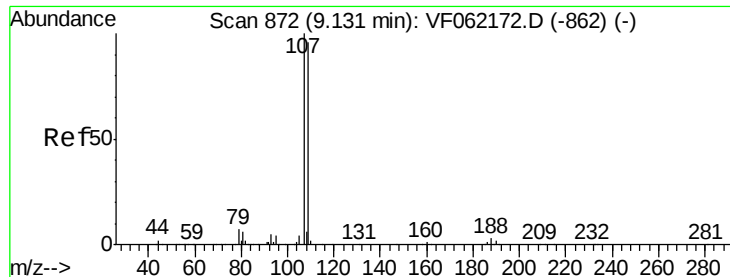
Tot Ion: 43 Resp: 210866
Ion Ratio Lower Upper
43 100
58 51.2 26.8 80.4



#60
Dibromochloromethane
Concen: 21.976 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Tgt Ion: 129 Resp: 91511
Ion Ratio Lower Upper
129 100
127 74.5 37.7 113.1





#61

1,2-Dibromoethane

Concen: 22.691 ug/l

RT: 9.13 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

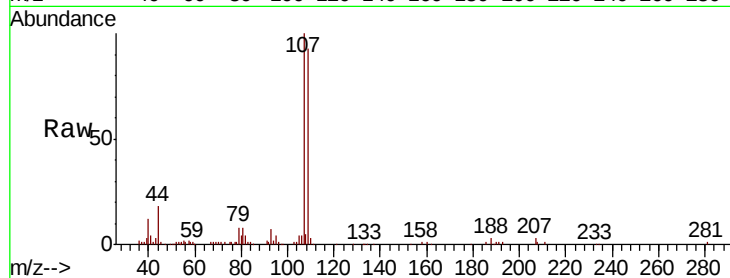
VF0416SBS01

Tot Ion: 107 Resp: 73471

Ion Ratio Lower Upper

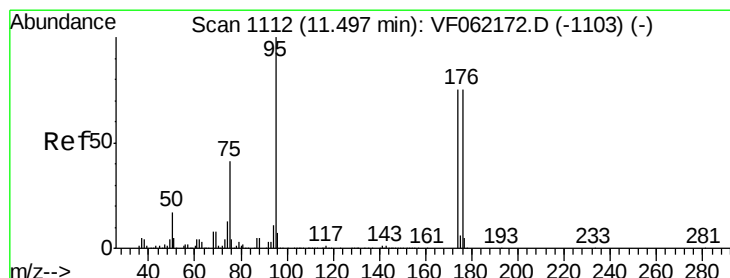
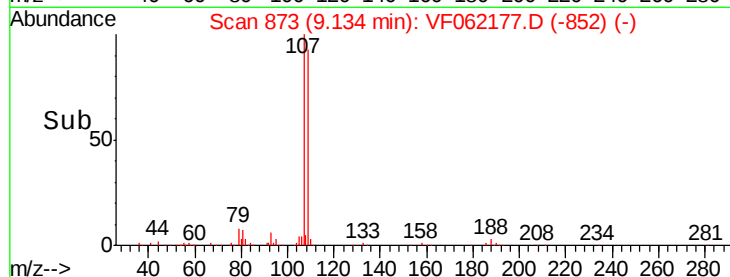
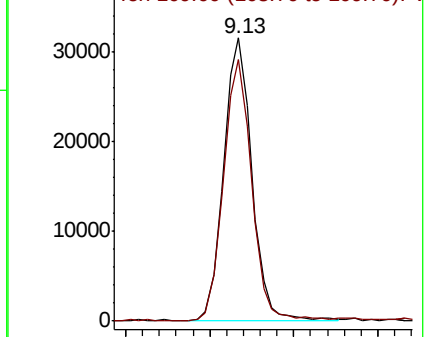
107 100

109 92.5 76.8 115.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 53.364 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

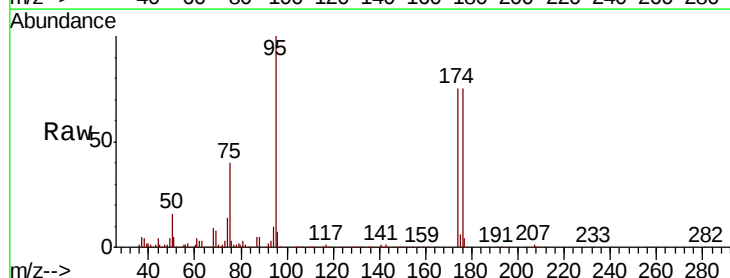
Tgt Ion: 95 Resp: 297733

Ion Ratio Lower Upper

95 100

174 74.8 0.0 150.2

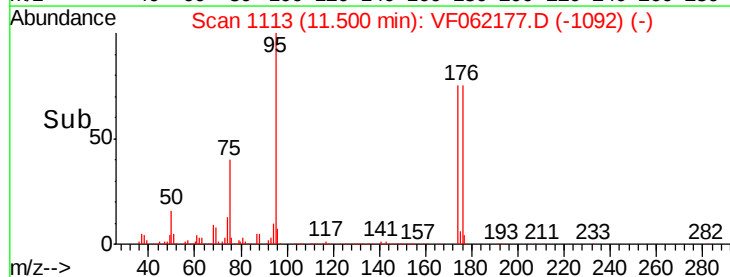
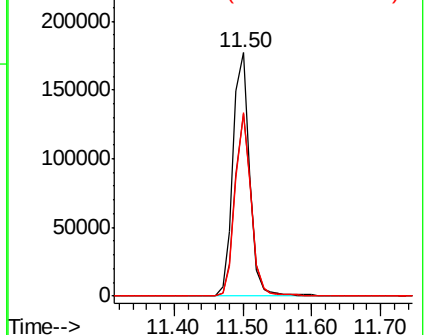
176 75.4 0.0 149.4

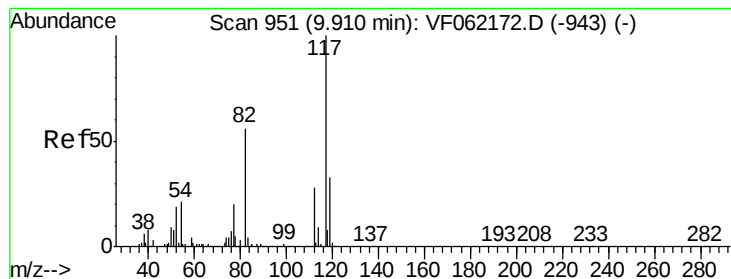


Abundance Ion 95.00 (94.70 to 95.70): VF0

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: 9.91 min Scan# 952

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

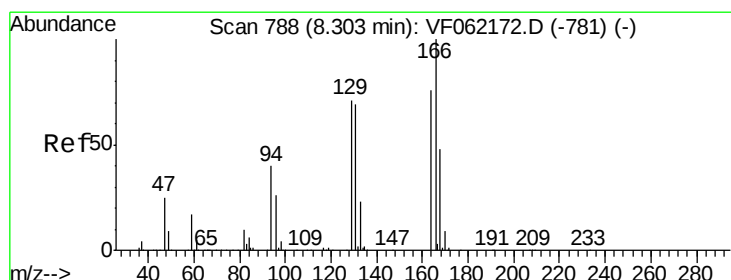
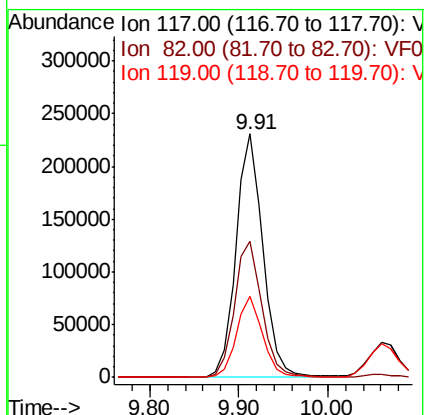
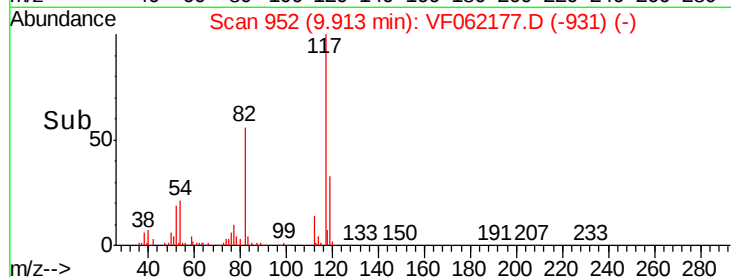
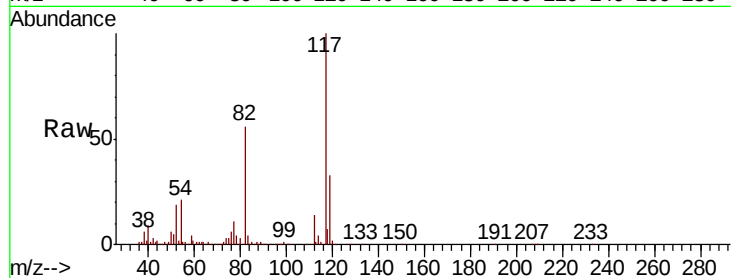
Tot Ion:117 Resp: 486301

Ion Ratio Lower Upper

117 100

82 55.9 45.2 67.8

119 33.4 26.6 39.8



#64

Tetrachloroethene

Concen: 22.075 ug/l

RT: 8.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Tgt Ion:164 Resp: 87678

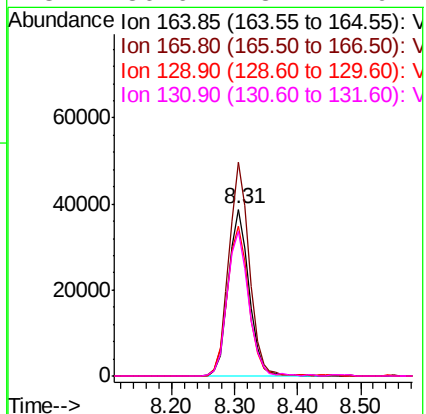
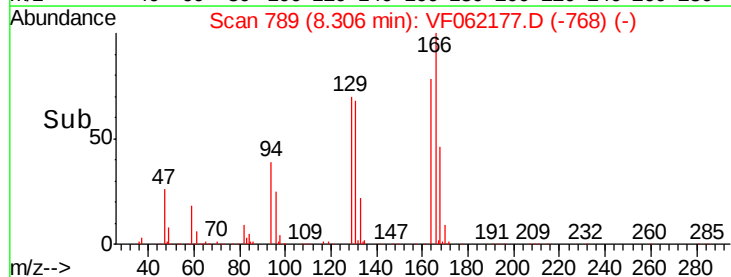
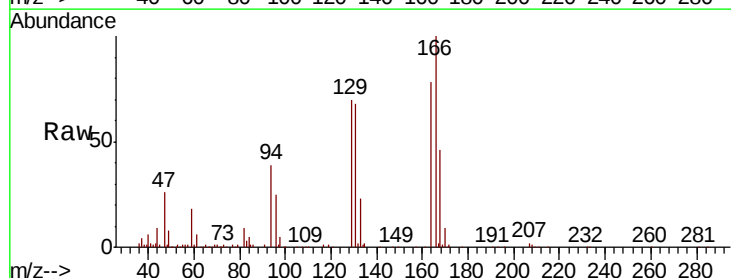
Ion Ratio Lower Upper

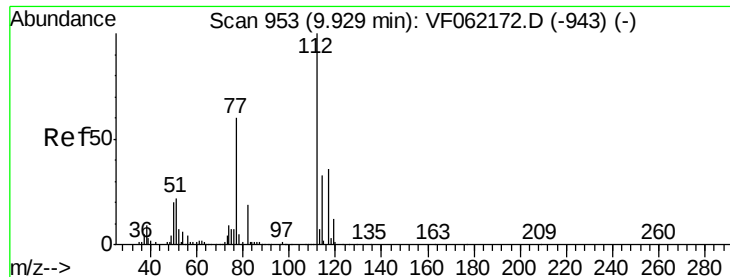
164 100

166 127.9 105.9 158.9

129 89.6 75.3 112.9

131 86.6 73.4 110.2

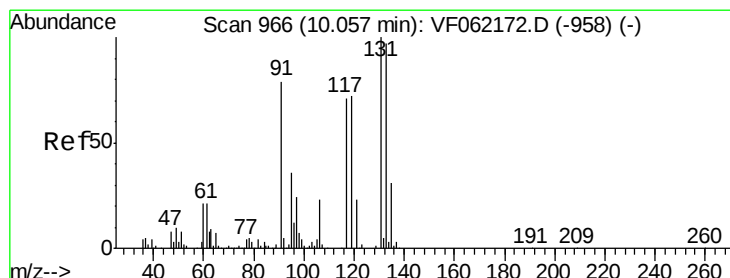
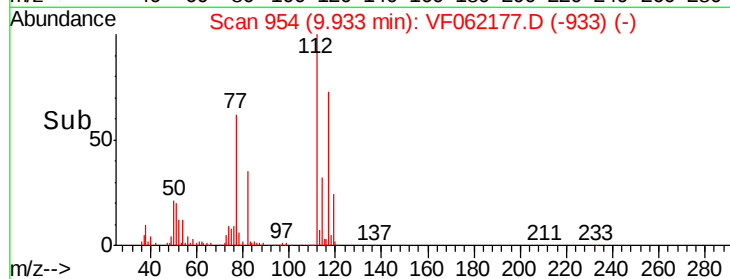
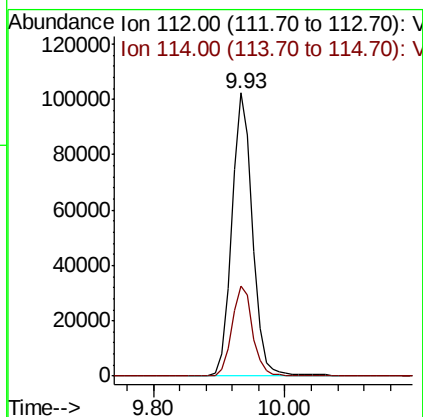
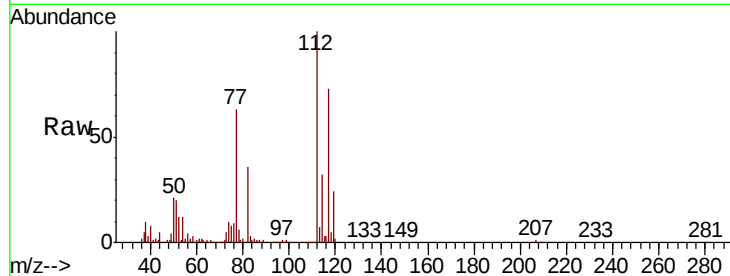




#65
Chlorobenzene
Concen: 22.348 ug/l
RT: 9.93 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

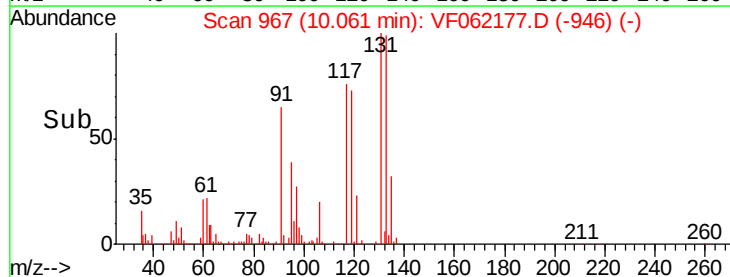
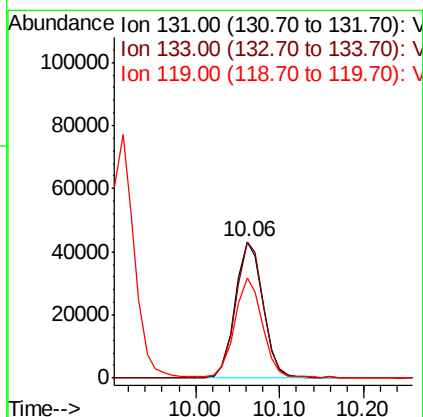
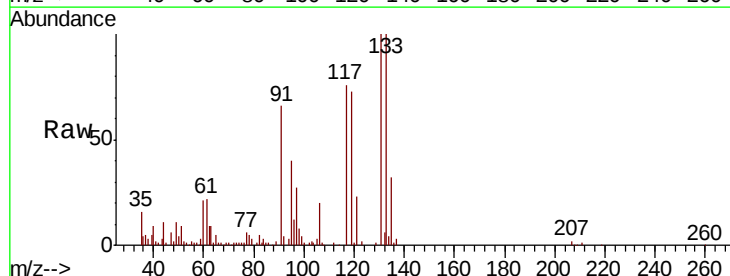
Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

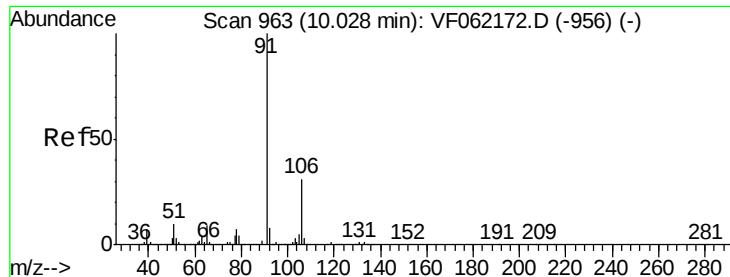
Tot Ion:112 Resp: 226076
Ion Ratio Lower Upper
112 100
114 32.0 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 23.818 ug/l
RT: 10.06 min Scan# 967
Delta R.T. 0.00 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Tgt Ion:131 Resp: 99476
Ion Ratio Lower Upper
131 100
133 99.8 48.4 145.2
119 73.4 36.3 108.9

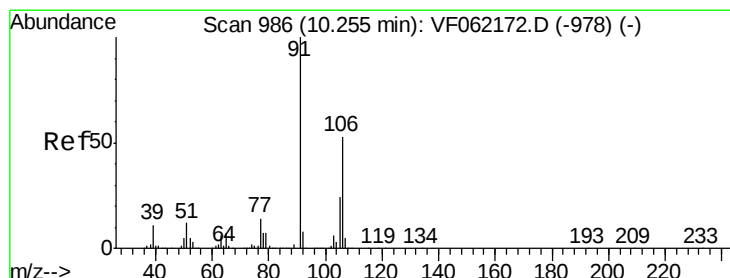
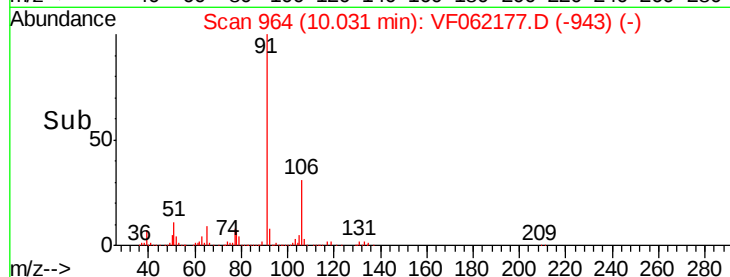
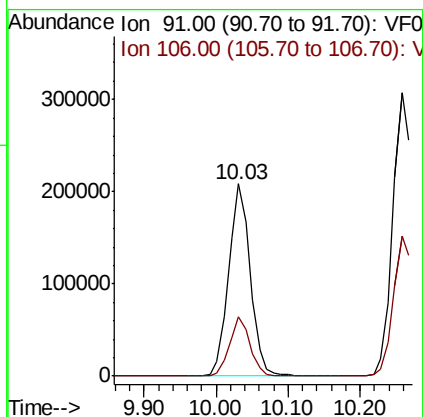
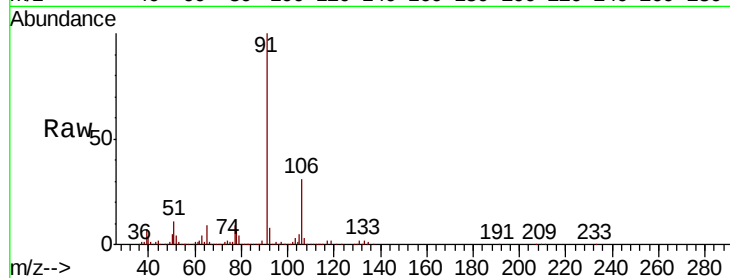




#67
Ethyl Benzene
Concen: 23.205 ug/l
RT: 10.03 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

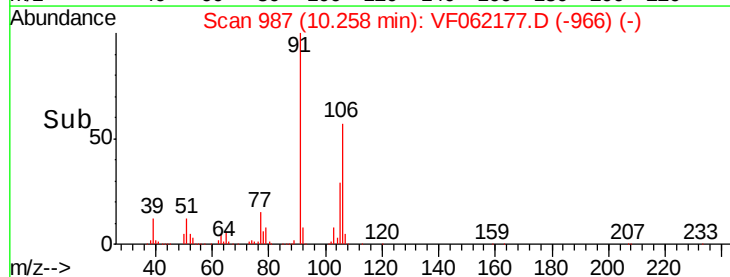
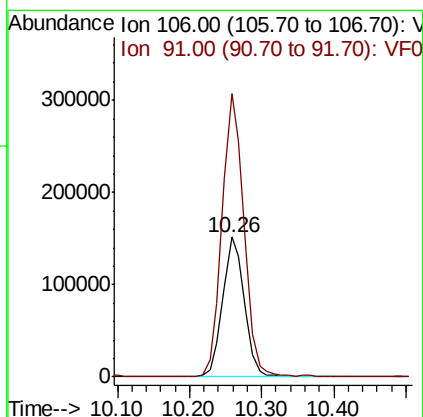
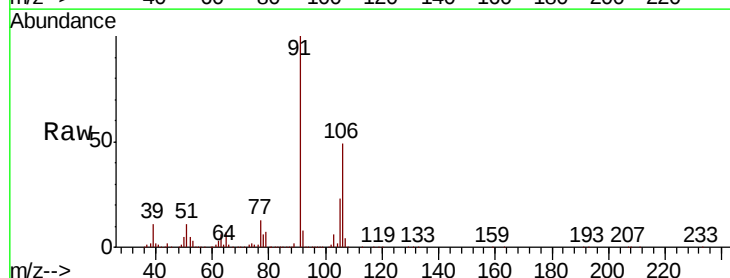
Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

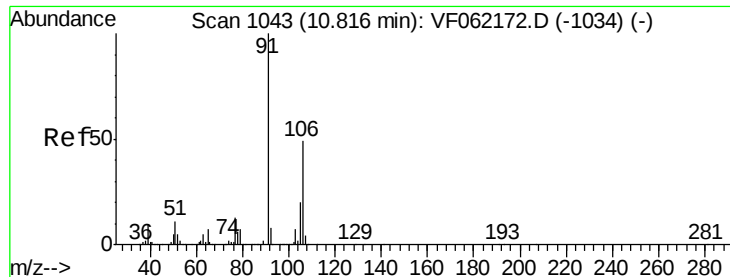
Tot Ion: 91 Resp: 435141
Ion Ratio Lower Upper
91 100
106 30.6 24.7 37.1



#68
m/p-Xylenes
Concen: 45.519 ug/l
RT: 10.26 min Scan# 987
Delta R.T. 0.00 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Tgt Ion: 106 Resp: 314220
Ion Ratio Lower Upper
106 100
91 202.7 151.7 227.5

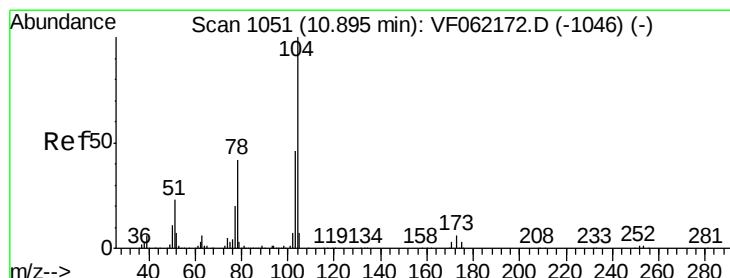
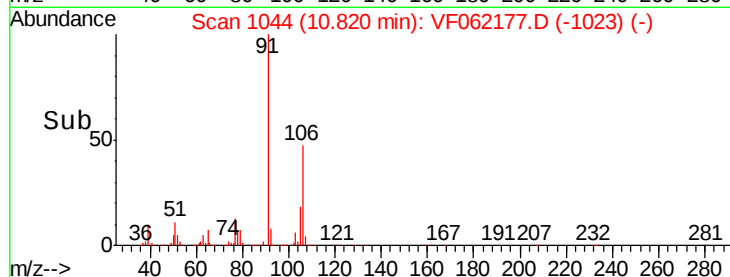
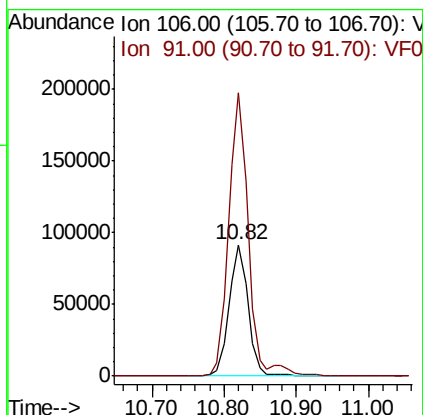
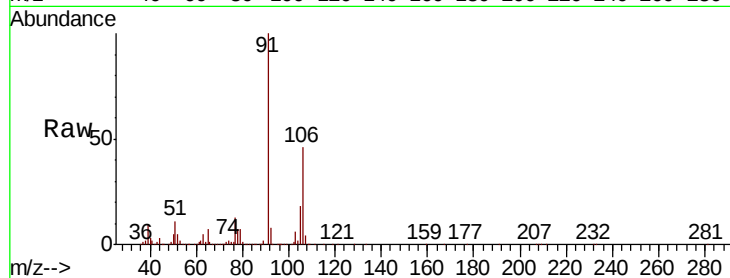




#69
o-Xylene
Concen: 22.354 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

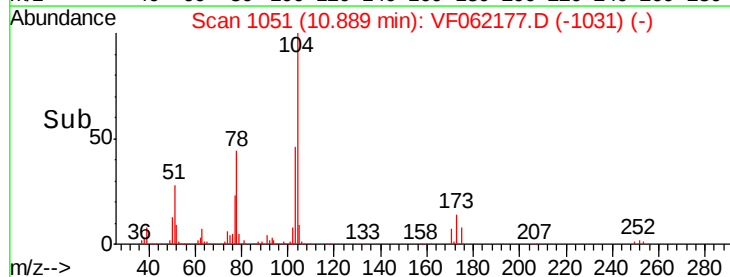
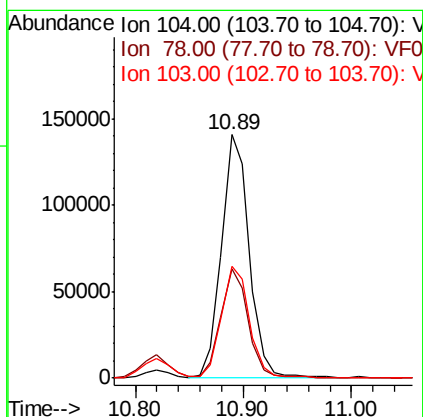
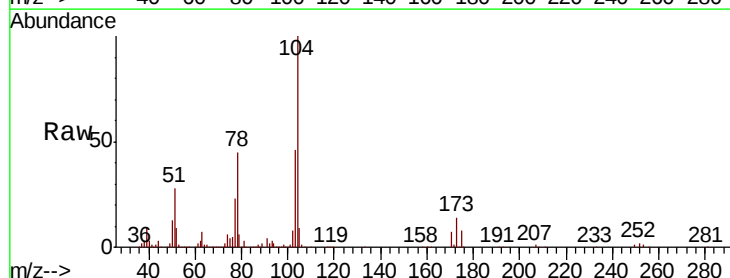
Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

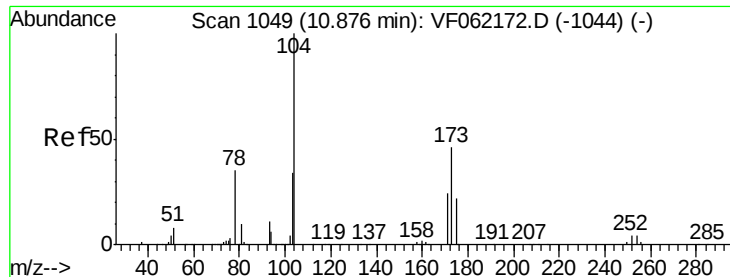
Tot Ion:106 Resp: 167074
Ion Ratio Lower Upper
106 100
91 215.6 101.9 305.7



#70
Styrene
Concen: 22.974 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Tgt Ion:104 Resp: 249709
Ion Ratio Lower Upper
104 100
78 44.7 33.7 50.5
103 46.0 37.2 55.8





#71

Bromoform

Concen: 23.582 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

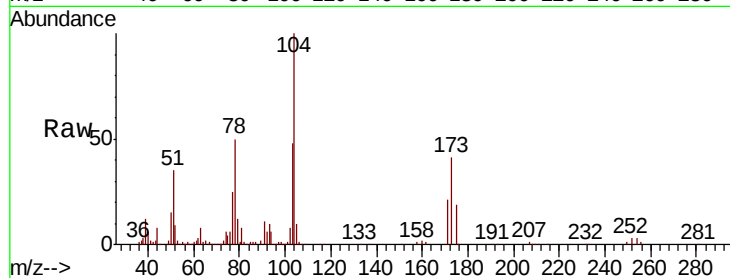
Tot Ion:173 Resp: 51577

Ion Ratio Lower Upper

173 100

175 46.7 24.3 72.8

254 8.3 6.6 9.8

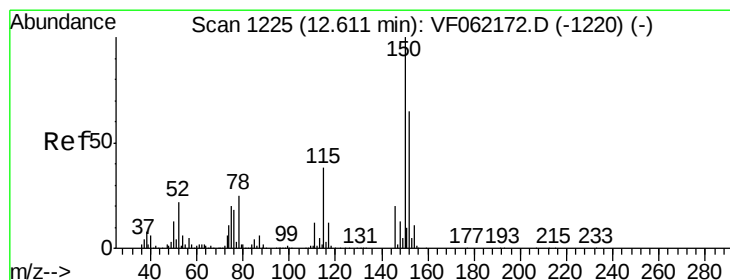
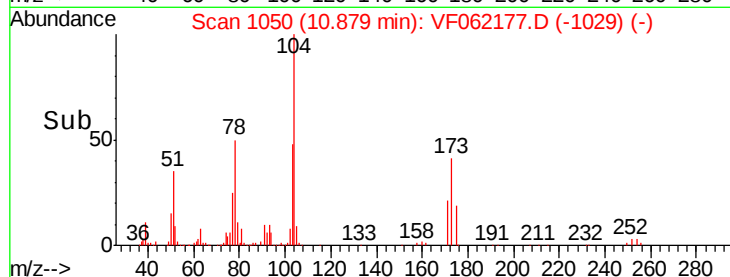
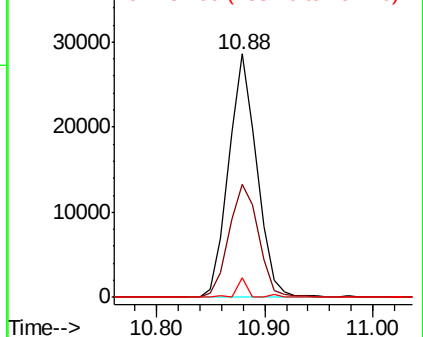


Abundance

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: 12.61 min Scan# 1226

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

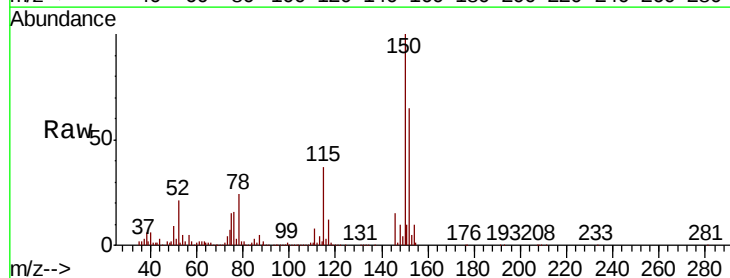
Tgt Ion:152 Resp: 255665

Ion Ratio Lower Upper

152 100

115 57.3 29.0 87.1

150 153.5 0.0 309.2

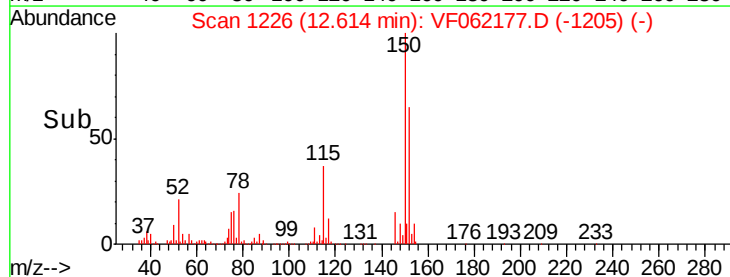
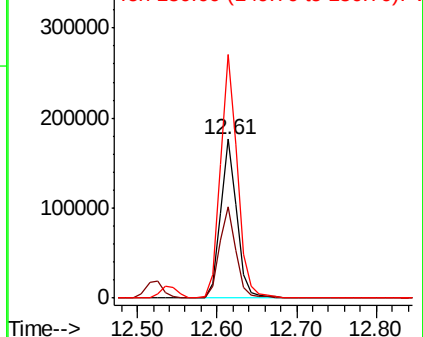


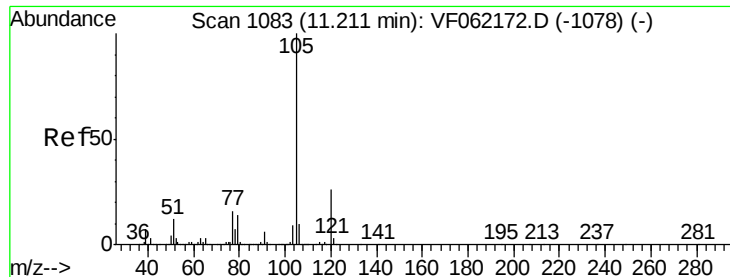
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.637 ug/l

RT: 11.21 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

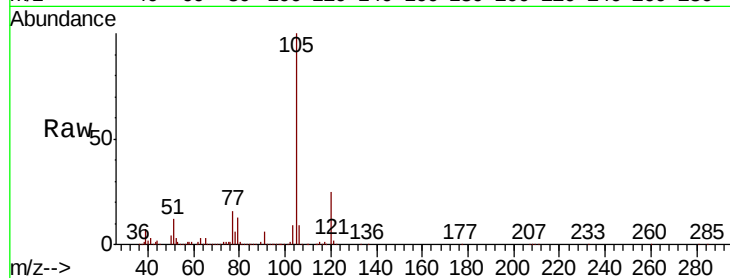
VF0416SBS01

Tot Ion:105 Resp: 498594

Ion Ratio Lower Upper

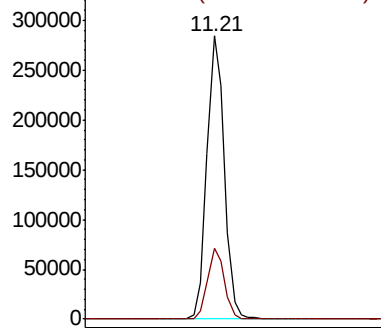
105 100

120 24.9 13.0 38.9

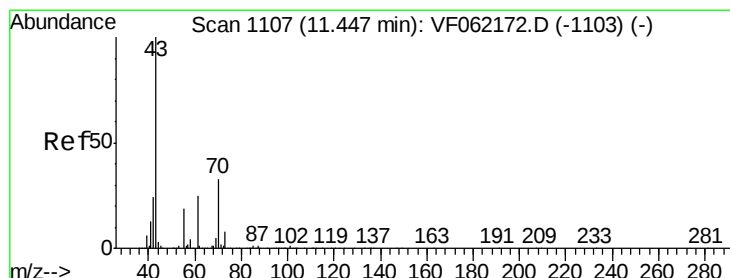
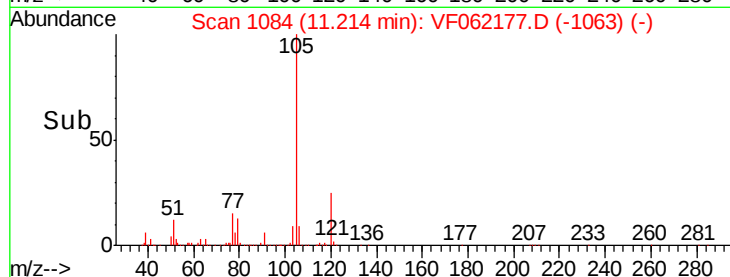


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 23.290 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Tgt Ion: 43 Resp: 128795

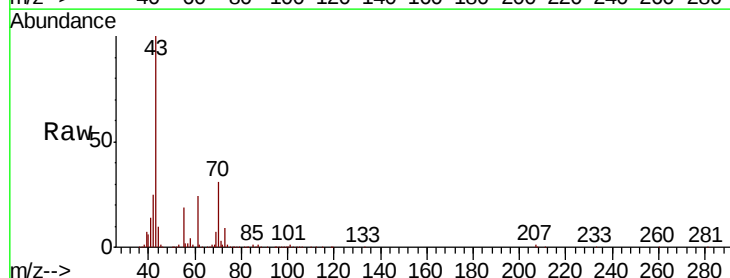
Ion Ratio Lower Upper

43 100

70 31.5 26.6 39.8

55 18.8 15.0 22.6

61 24.3 20.0 30.0

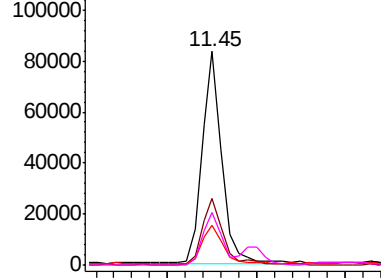


Abundance Ion 43.00 (42.70 to 43.70): VF0

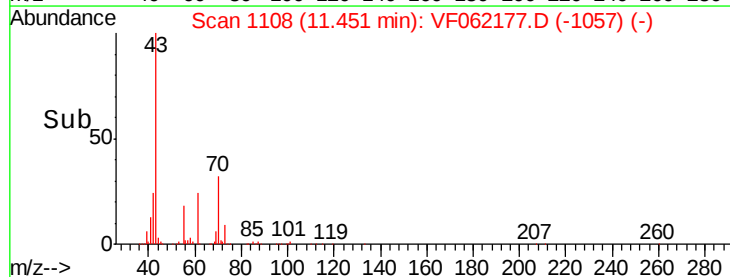
Ion 70.00 (69.70 to 70.70): VF0

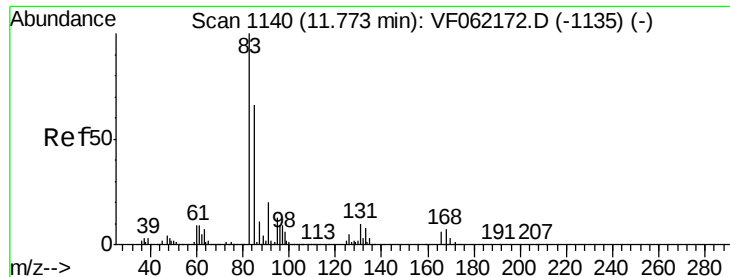
Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.393 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

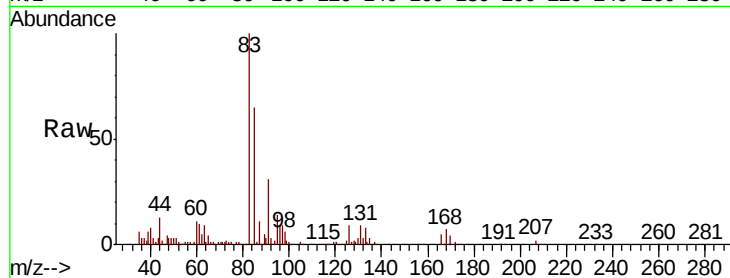
Tot Ion: 83 Resp: 87861

Ion Ratio Lower Upper

83 100

131 9.4 4.8 14.4

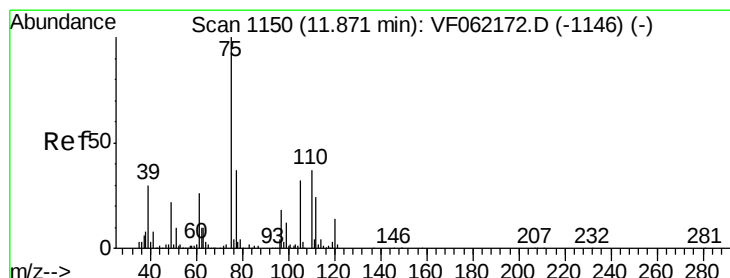
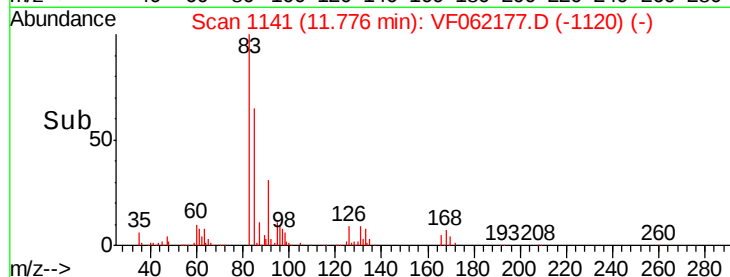
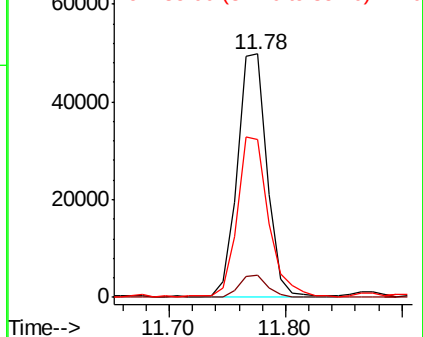
85 64.8 33.2 99.6



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 21.971 ug/l

RT: 11.87 min Scan# 1151

Delta R.T. 0.00 min

Lab File: VF062177.D

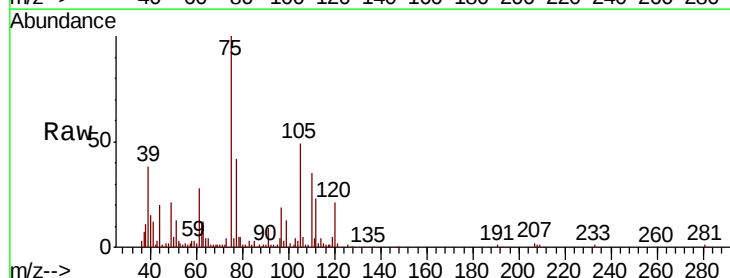
Acq: 16 Apr 2019 15:48

Tgt Ion: 75 Resp: 58463

Ion Ratio Lower Upper

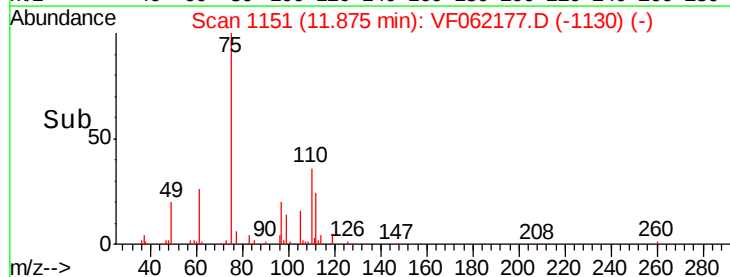
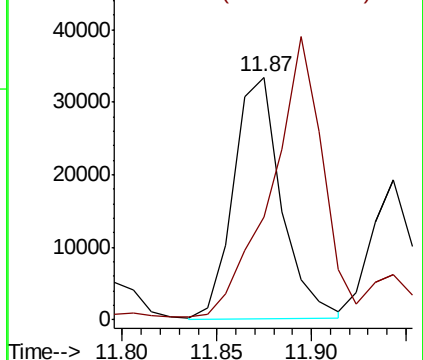
75 100

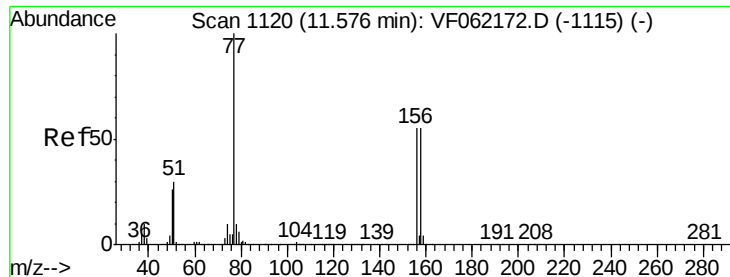
77 42.4 18.7 56.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

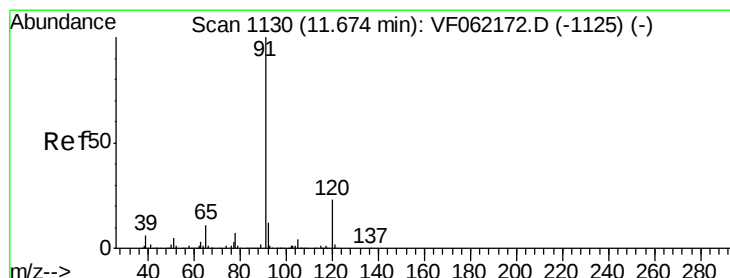
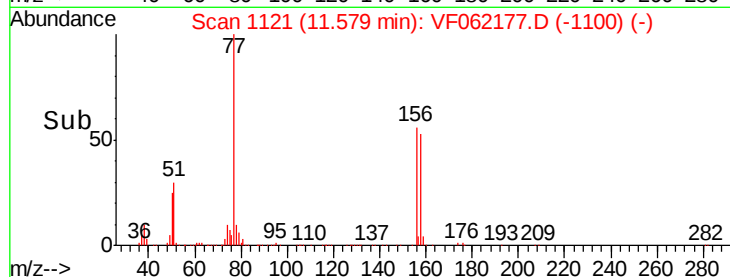
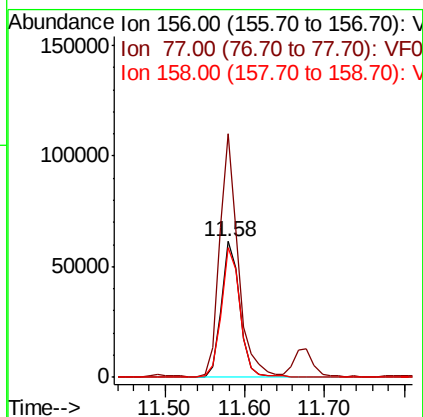
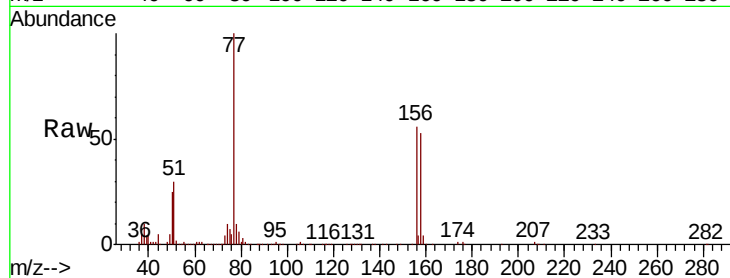




#77
Bromobenzene
Concen: 22.038 ug/l
RT: 11.58 min Scan# 1121
Delta R.T. 0.00 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

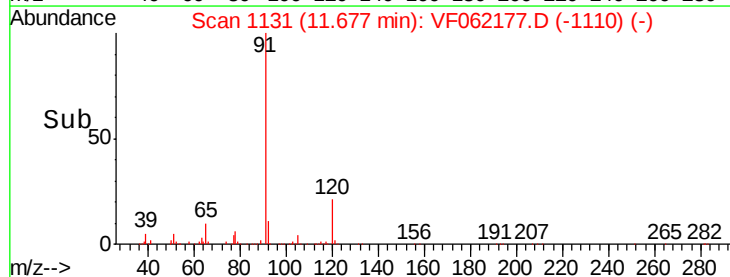
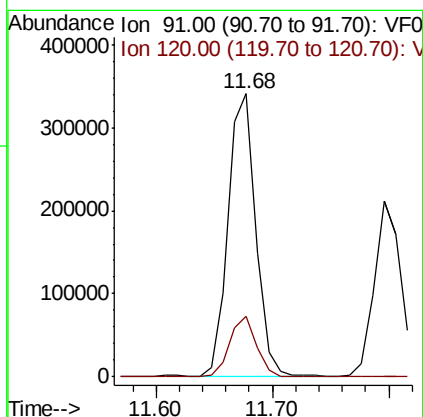
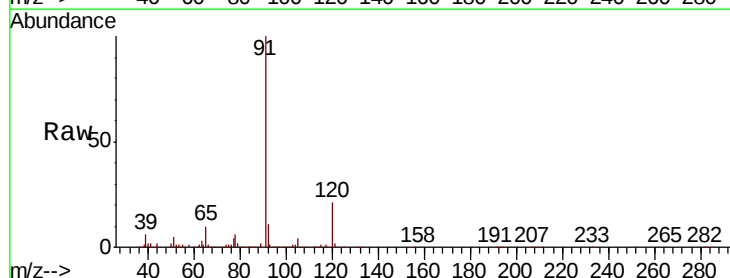
Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

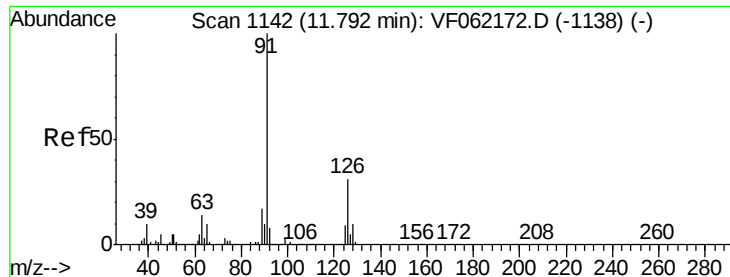
Tot Ion:156 Resp: 100949
Ion Ratio Lower Upper
156 100
77 179.7 91.1 273.4
158 95.7 50.1 150.4



#78
n-propylbenzene
Concen: 22.353 ug/l
RT: 11.68 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Tgt Ion: 91 Resp: 559617
Ion Ratio Lower Upper
91 100
120 21.3 11.6 34.7

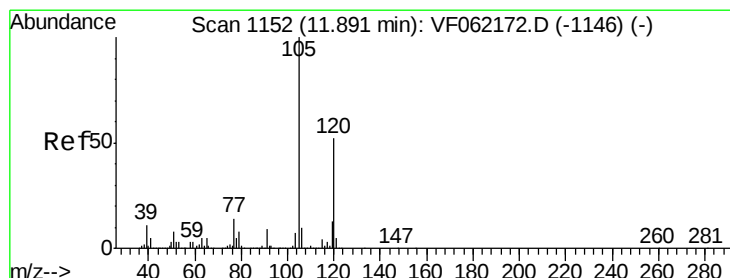
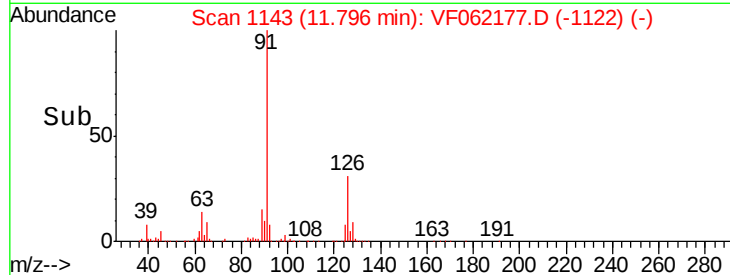
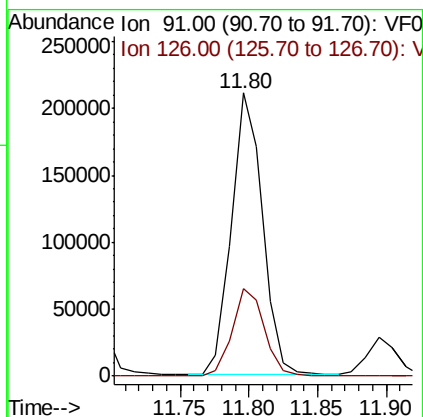
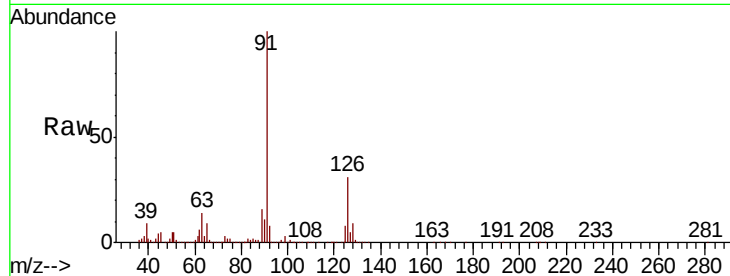




#79
 2-Chlorotoluene
 Concen: 22.486 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VF062177.D
 Acq: 16 Apr 2019 15:48

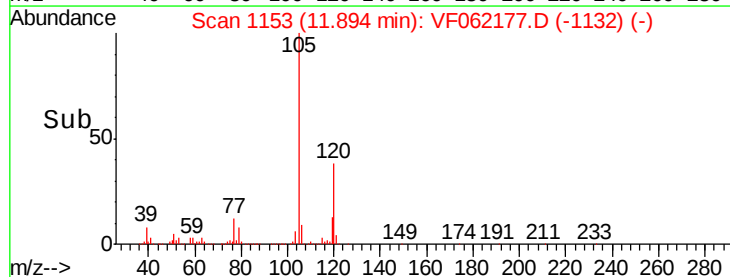
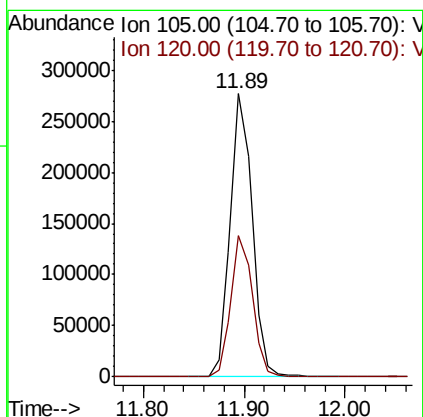
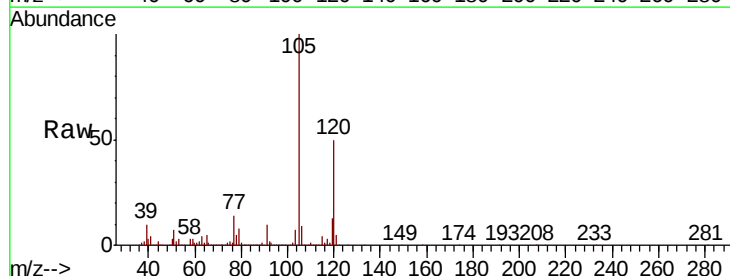
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0416SBS01

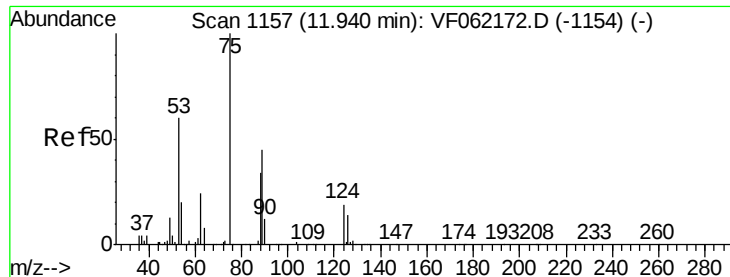
Tot Ion: 91 Resp: 331843
 Ion Ratio Lower Upper
 91 100
 126 31.1 15.6 46.8



#80
 1,3,5-Trimethylbenzene
 Concen: 22.784 ug/l
 RT: 11.89 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VF062177.D
 Acq: 16 Apr 2019 15:48

Tgt Ion:105 Resp: 418532
 Ion Ratio Lower Upper
 105 100
 120 49.9 25.9 77.7





#81

trans-1,4-Dichloro-2-butene

Concen: 30.219 ug/l

RT: 11.94 min Scan# 1158

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

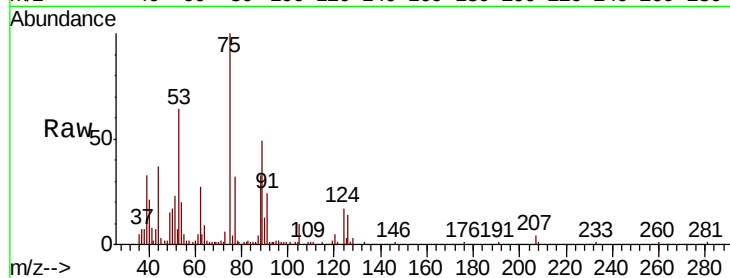
MSVOA_F

ClientSampleId :

VF0416SBS01

Tot Ion: 75 Resp: 40215

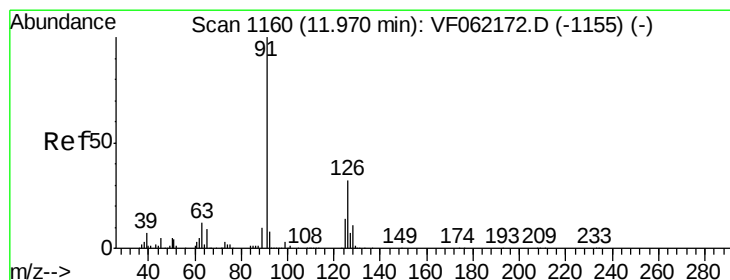
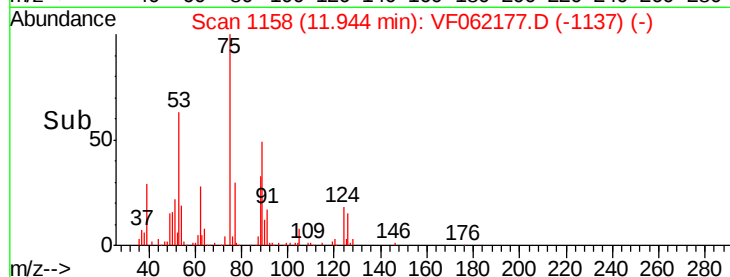
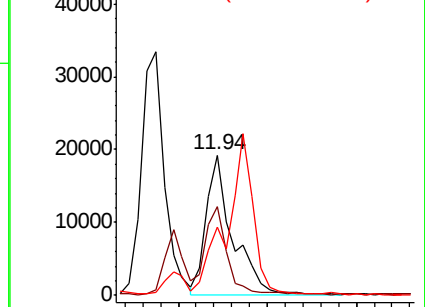
Ion	Ratio	Lower	Upper
75	100		
53	63.6	53.4	80.0
89	48.7	38.7	58.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 22.465 ug/l

RT: 11.97 min Scan# 1161

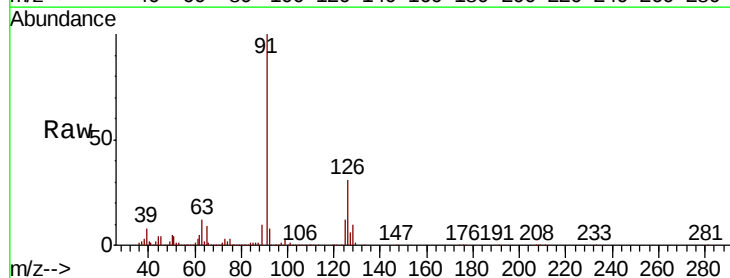
Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

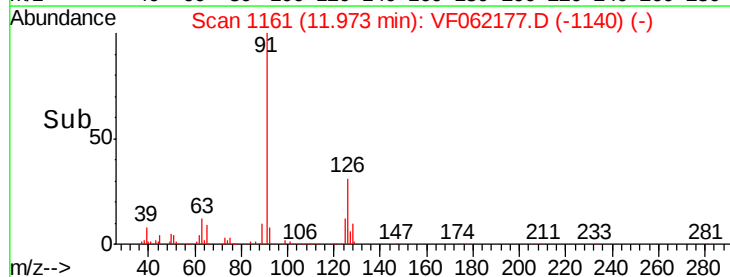
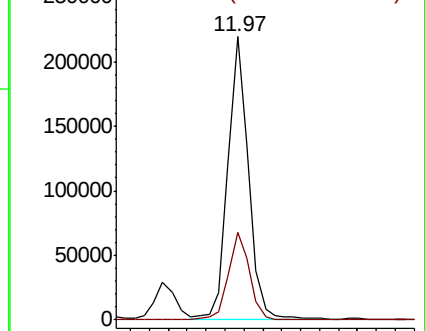
Tgt Ion: 91 Resp: 324888

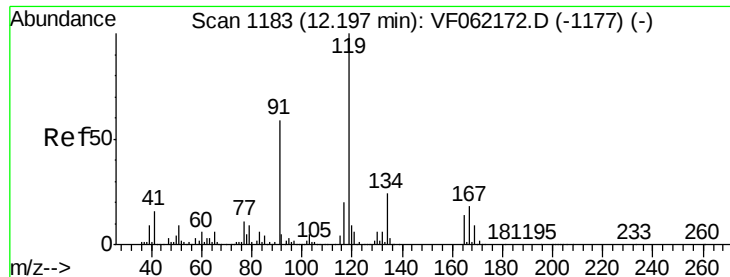
Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.9	47.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

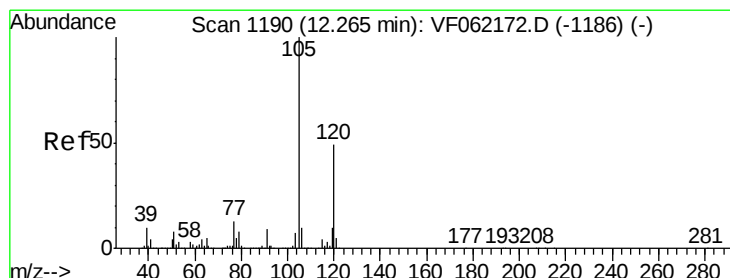
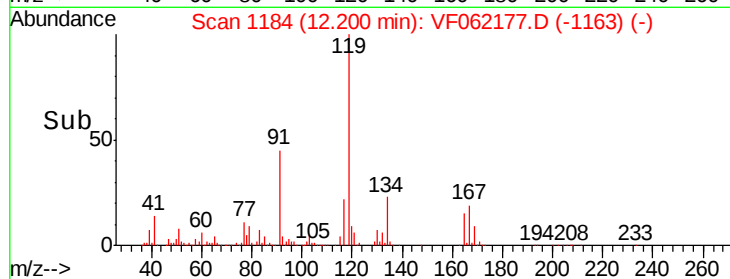
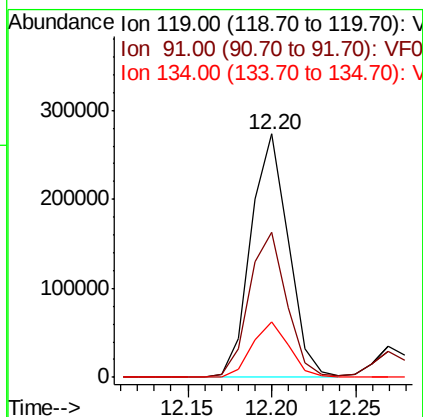
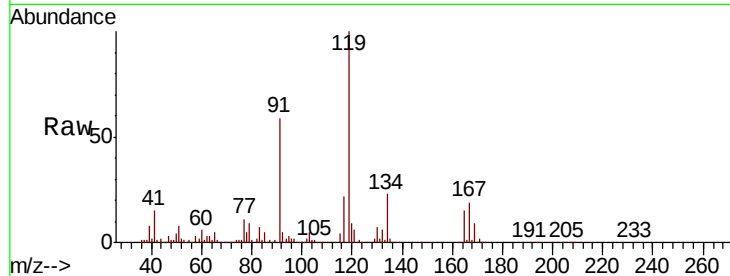




#83
tert-Butylbenzene
Concen: 23.230 ug/l
RT: 12.20 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

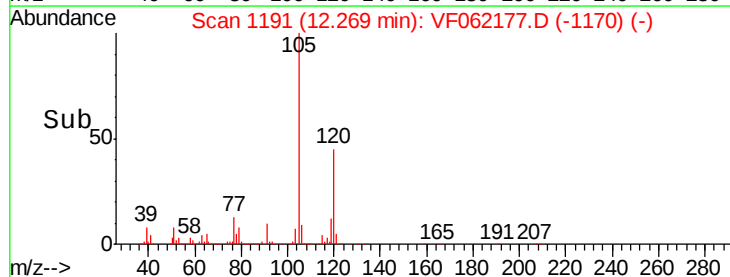
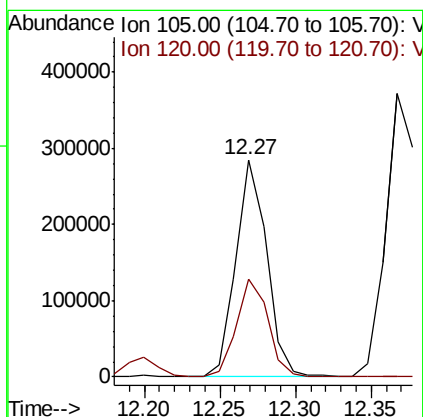
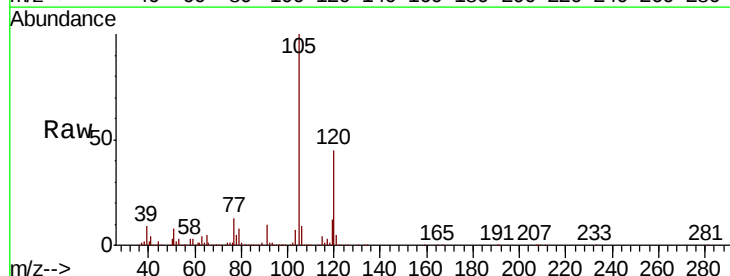
Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

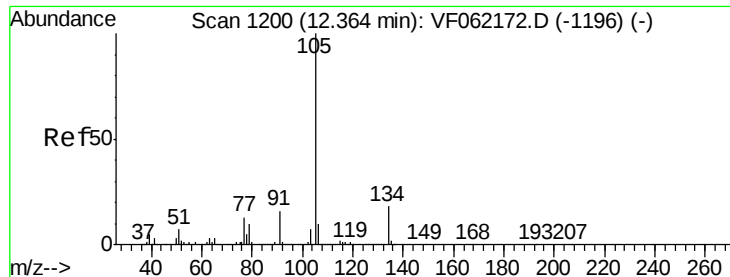
Tot Ion:119 Resp: 423742
Ion Ratio Lower Upper
119 100
91 59.4 29.5 88.5
134 22.9 12.0 36.1



#84
1,2,4-Trimethylbenzene
Concen: 22.681 ug/l
RT: 12.27 min Scan# 1191
Delta R.T. 0.00 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Tgt Ion:105 Resp: 404344
Ion Ratio Lower Upper
105 100
120 45.2 24.7 74.1





#85

sec-Butylbenzene

Concen: 23.339 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

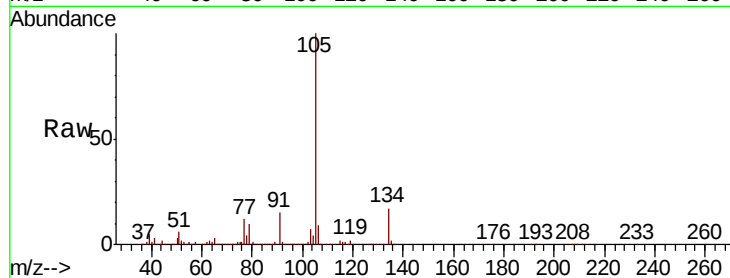
VF0416SBS01

Tot Ion:105 Resp: 559808

Ion Ratio Lower Upper

105 100

134 17.1 9.0 27.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.37

400000

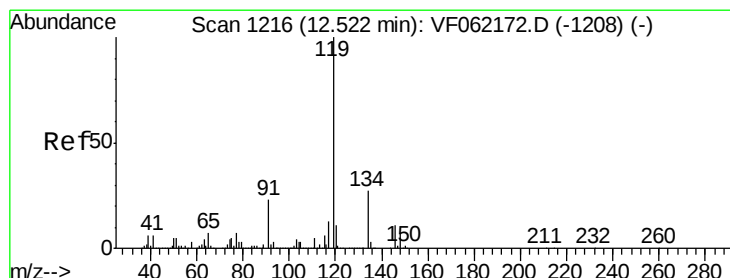
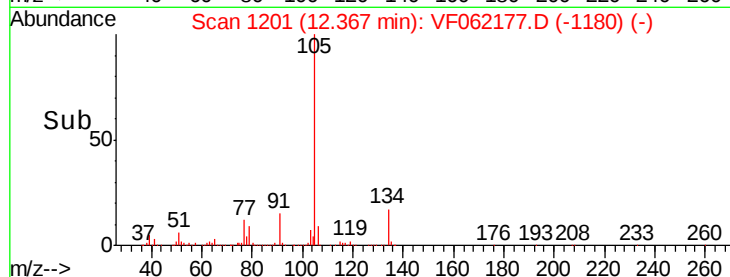
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 23.387 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

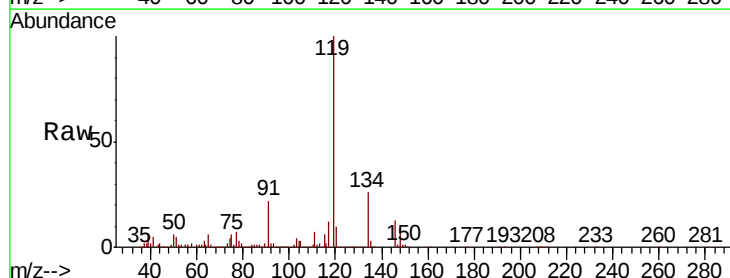
Tgt Ion:119 Resp: 477898

Ion Ratio Lower Upper

119 100

134 25.6 13.5 40.5

91 21.6 11.5 34.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.53

400000

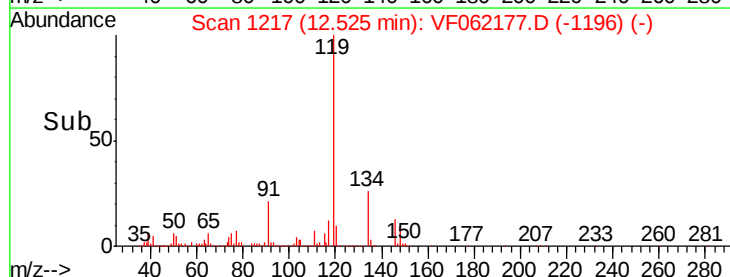
300000

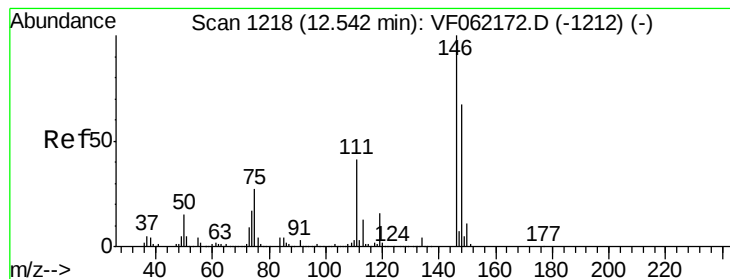
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 23.145 ug/l

RT: 12.53 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

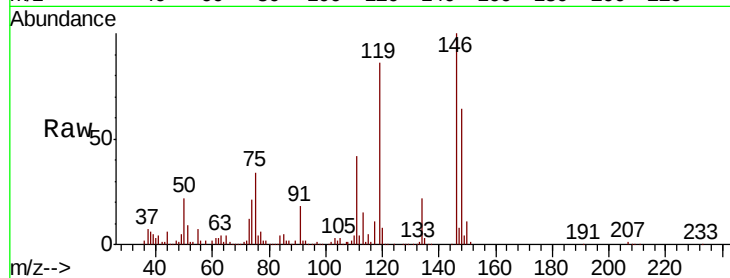
Tot Ion:146 Resp: 193971

Ion Ratio Lower Upper

146 100

111 42.2 20.5 61.6

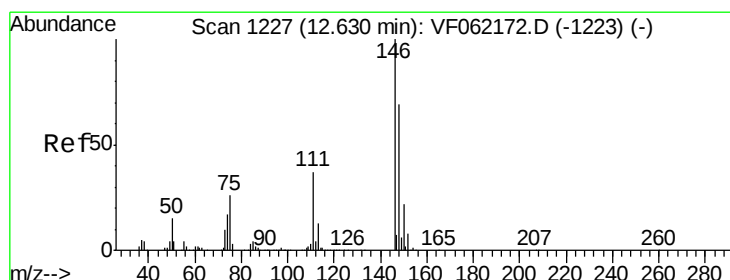
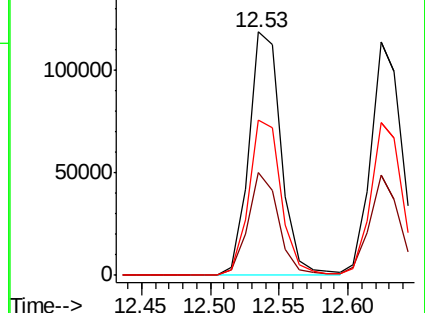
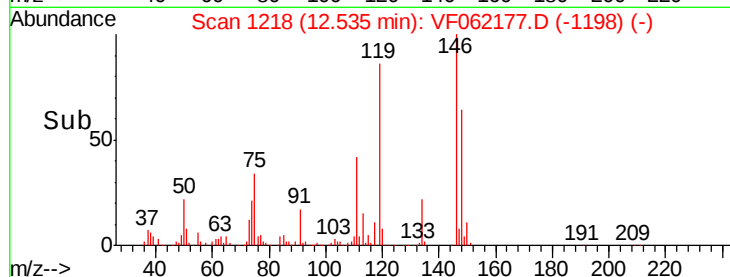
148 64.0 33.6 100.8



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



#88

1,4-Dichlorobenzene

Concen: 22.233 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

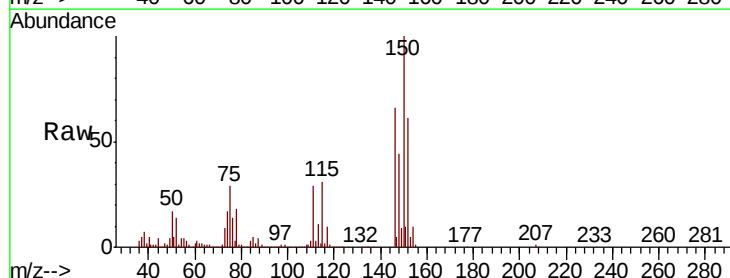
Tgt Ion:146 Resp: 181668

Ion Ratio Lower Upper

146 100

111 42.9 18.6 55.6

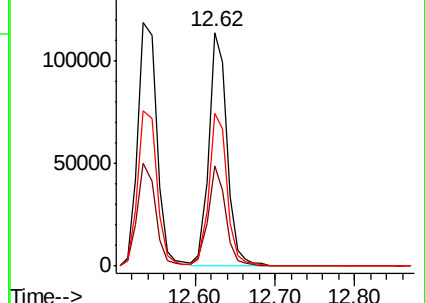
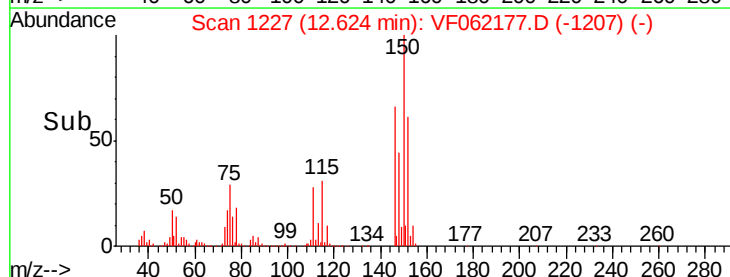
148 65.5 34.3 102.8

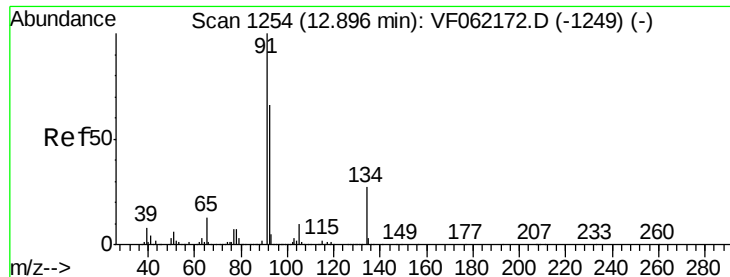


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 22.769 ug/l

RT: 12.90 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

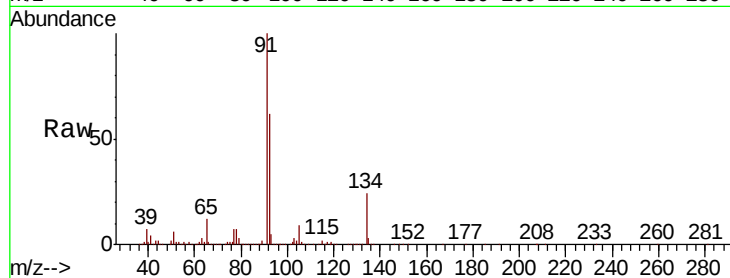
MSVOA_F

ClientSampleId :

VF0416SBS01

Tot Ion: 91 Resp: 487787

Ion	Ratio	Lower	Upper
91	100		
92	61.6	32.9	98.6
134	24.2	13.4	40.2

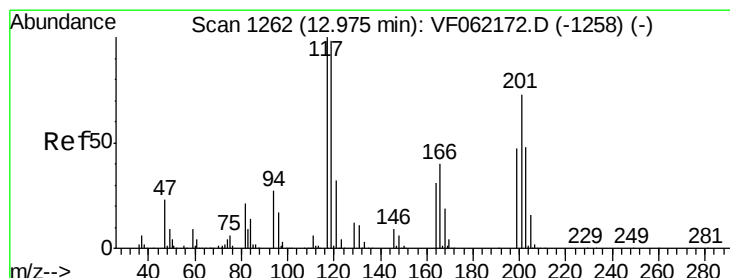
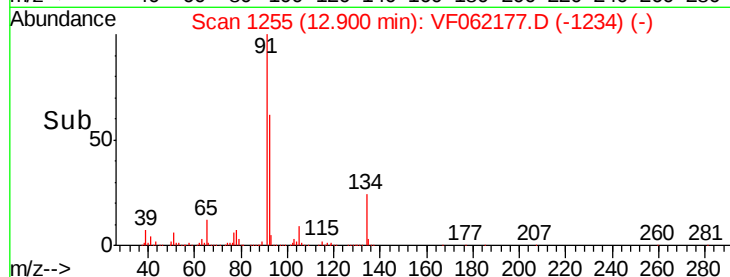
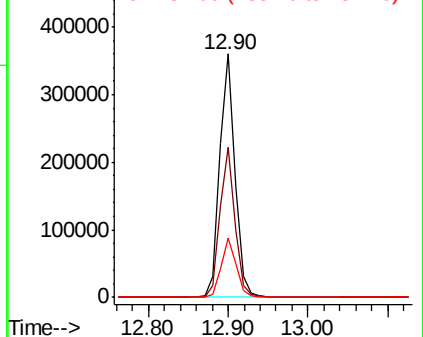


Abundance

Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 23.574 ug/l

RT: 12.98 min Scan# 1263

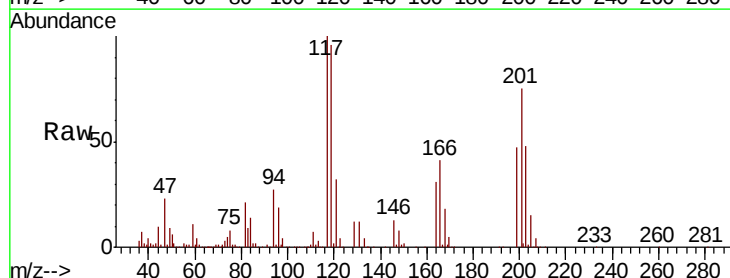
Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Tgt Ion: 117 Resp: 117999

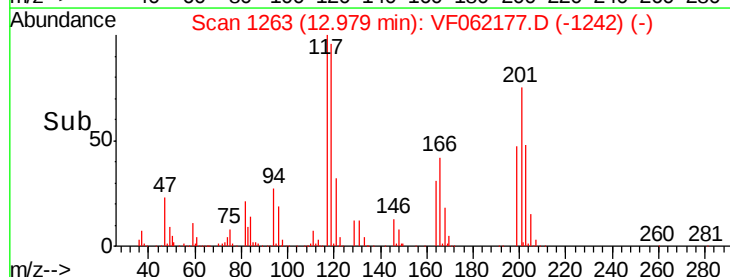
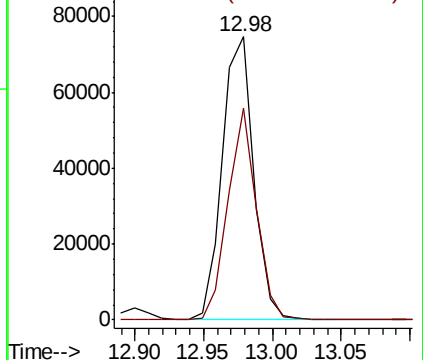
Ion	Ratio	Lower	Upper
117	100		
201	75.0	36.7	110.1

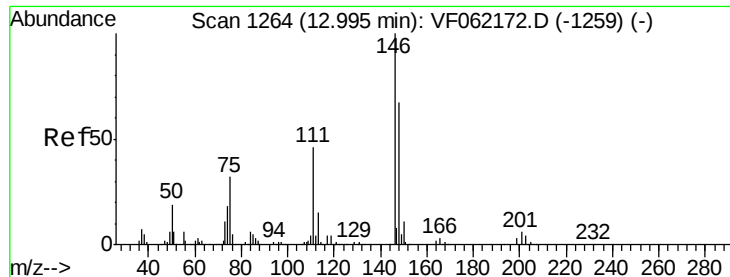


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 23.095 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

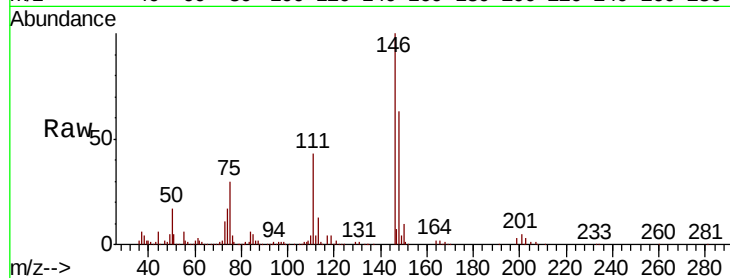
Tot Ion:146 Resp: 185746

Ion Ratio Lower Upper

146 100

111 43.0 22.9 68.8

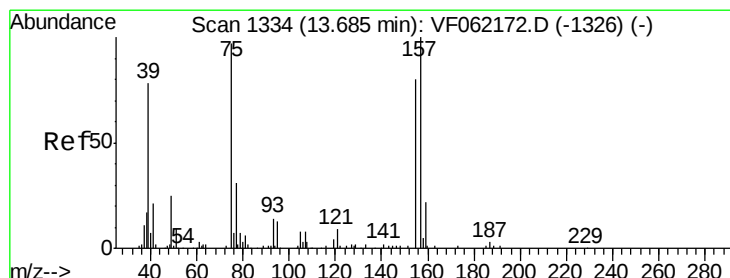
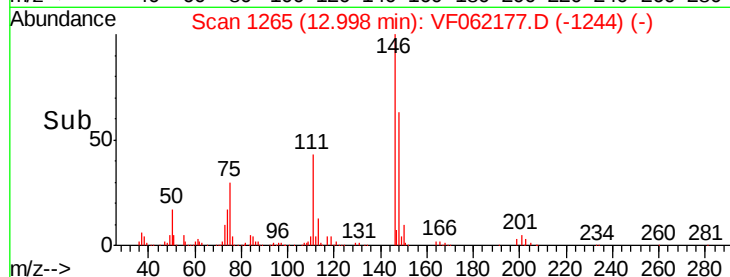
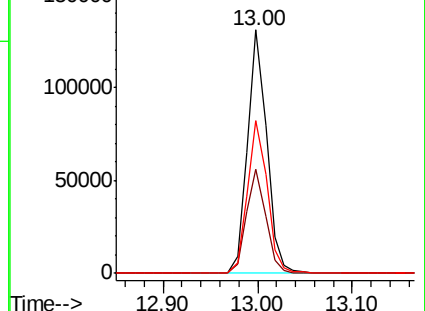
148 62.6 33.6 100.6



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: 22.187 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

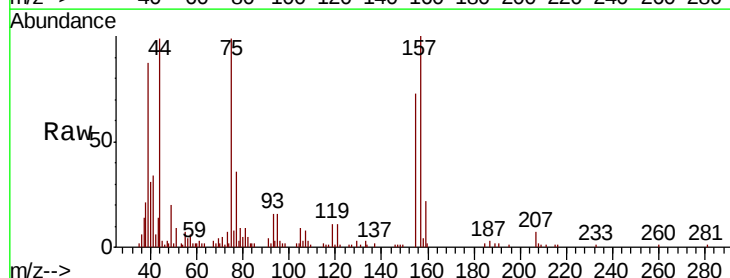
Tgt Ion: 75 Resp: 15679

Ion Ratio Lower Upper

75 100

155 74.0 41.0 123.0

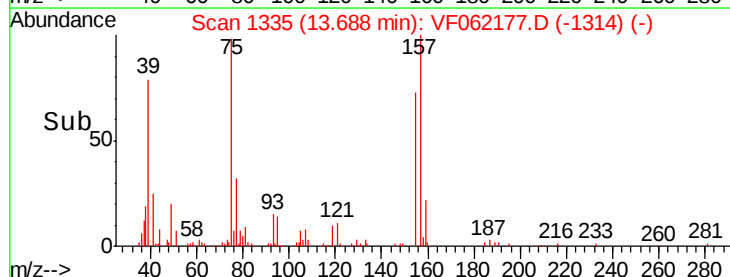
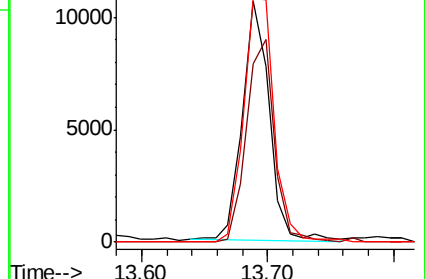
157 100.7 51.3 154.0

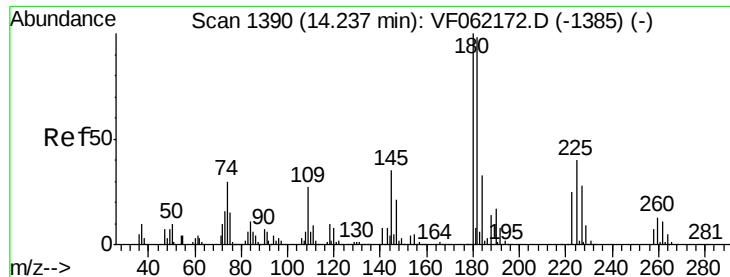


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

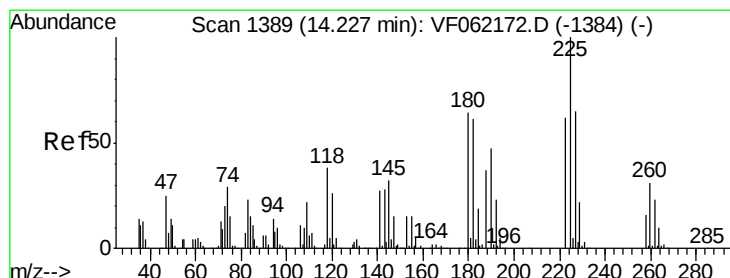
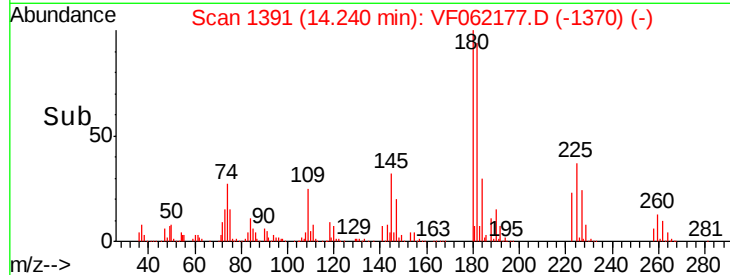
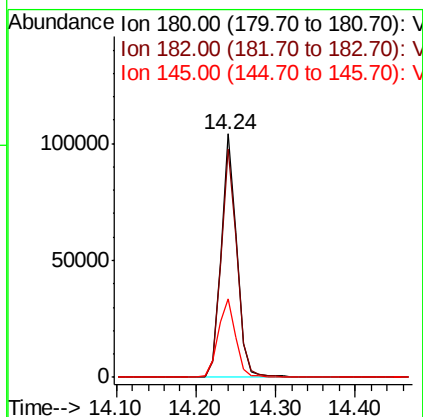
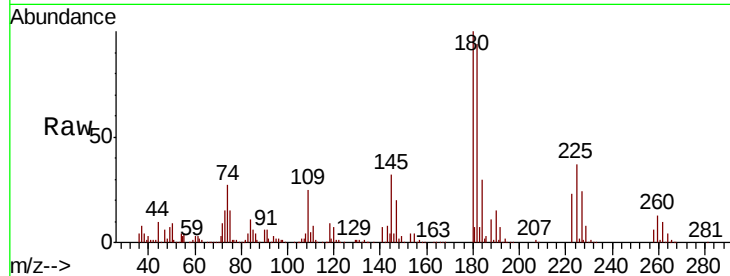




#93
 1,2,4-Trichlorobenzene
 Concen: 23.937 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF062177.D
 Acq: 16 Apr 2019 15:48

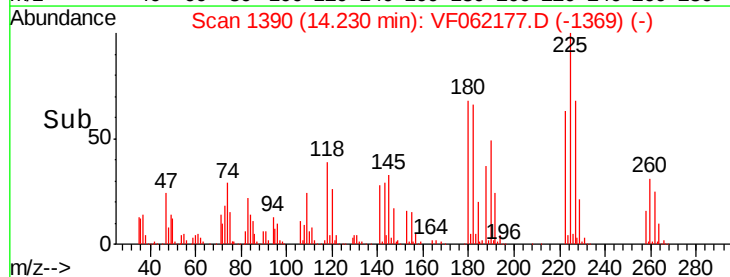
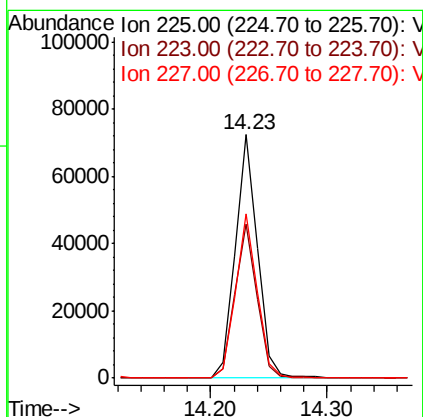
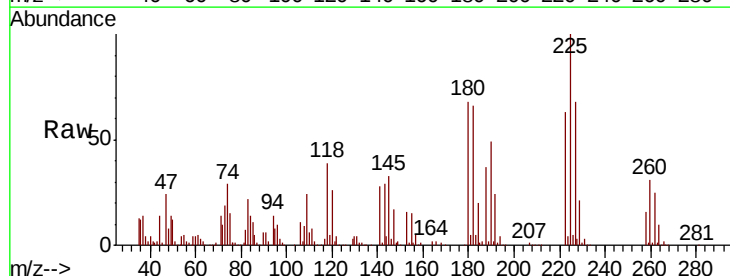
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0416SBS01

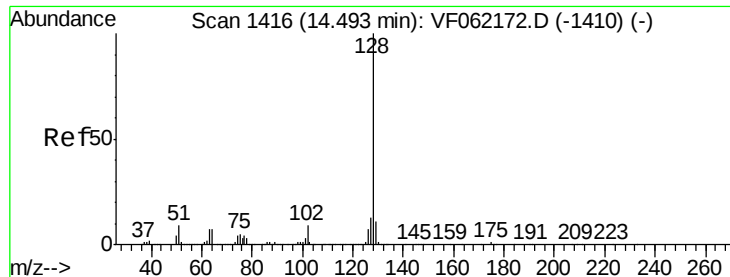
Tot Ion:180 Resp: 144590
 Ion Ratio Lower Upper
 180 100
 182 93.6 48.8 146.4
 145 32.4 17.3 52.0



#94
 Hexachlorobutadiene
 Concen: 24.223 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VF062177.D
 Acq: 16 Apr 2019 15:48

Tgt Ion:225 Resp: 95357
 Ion Ratio Lower Upper
 225 100
 223 63.5 30.9 92.7
 227 67.7 32.3 96.9

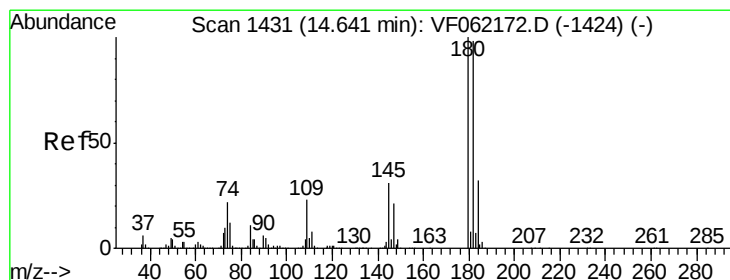
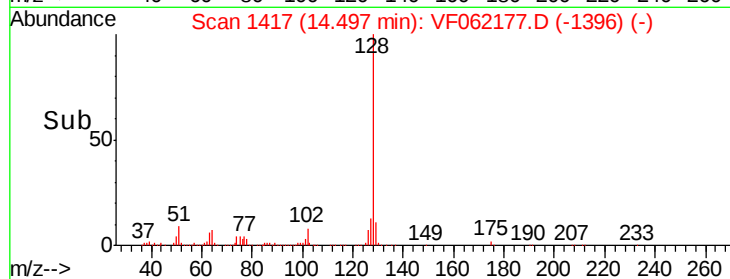
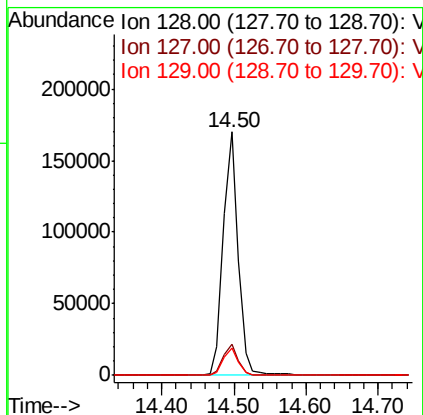
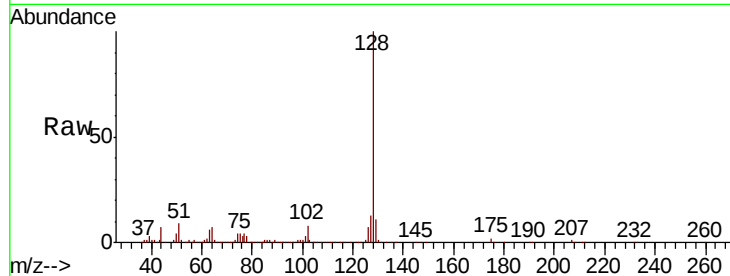




#95
Naphthalene
Concen: 23.154 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. 0.00 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

Tot Ion:128 Resp: 244351
Ion Ratio Lower Upper
128 100
127 12.6 10.3 15.5
129 11.2 9.2 13.8



#96
1,2,3-Trichlorobenzene
Concen: 23.655 ug/l
RT: 14.64 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Tgt Ion:180 Resp: 133123
Ion Ratio Lower Upper
180 100
182 100.1 49.0 147.2
145 30.2 15.4 46.2

