

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042219\
 Data File : VF062242.D
 Acq On : 22 Apr 2019 14:02
 Operator : FY/SY
 Sample : VF0422SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0422SBS01

Quant Time: Apr 23 01:10:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 23:52:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	443124	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.78	114	604633	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.91	117	487737	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	285420	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	233584	57.49	ug/l	0.02
Spiked Amount	50.000		Recovery	=	114.98%	
35) Dibromofluoromethane	4.31	113	302367	57.17	ug/l	0.02
Spiked Amount	50.000		Recovery	=	114.34%	
50) Toluene-d8	7.71	98	771289	57.61	ug/l	0.02
Spiked Amount	50.000		Recovery	=	115.22%	
62) 4-Bromofluorobenzene	11.50	95	300103	58.27	ug/l	0.02
Spiked Amount	50.000		Recovery	=	116.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	144990	21.531	ug/l	98
3) Chloromethane	1.15	50	130758	18.786	ug/l	96
4) Vinyl Chloride	1.20	62	122620	20.505	ug/l	98
5) Bromomethane	1.38	94	71805	20.670	ug/l	96
6) Chloroethane	1.43	64	46600	18.641	ug/l	98
7) Trichlorofluoromethane	1.56	101	167409	22.037	ug/l	94
8) Diethyl Ether	1.71	74	30614	19.362	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.91	101	109981	21.192	ug/l	98
10) Methyl Iodide	1.98	142	195863	21.244	ug/l #	89
11) Tert butyl alcohol	2.69	59	26161	92.625	ug/l	99
12) 1,1-Dichloroethene	1.87	96	96433	19.536	ug/l	94
13) Acrolein	2.10	56	15823	109.919	ug/l	93
14) Allyl chloride	2.20	41	164361	29.014	ug/l #	90
15) Acrylonitrile	3.09	53	75995	88.341	ug/l	97
16) Acetone	2.35	43	93462	96.232	ug/l	96
17) Carbon Disulfide	1.92	76	272120	19.839	ug/l	95
18) Methyl Acetate	2.46	43	42018	16.130	ug/l	98
19) Methyl tert-butyl Ether	2.56	73	184351	21.152	ug/l	98
20) Methylene Chloride	2.33	84	72164	10.137	ug/l	99
21) trans-1,2-Dichloroethene	2.42	96	93343	19.122	ug/l	93
22) Diisopropyl ether	2.94	45	283986	19.597	ug/l	98
23) Vinyl Acetate	3.35	43	675858	97.891	ug/l	99
24) 1,1-Dichloroethane	3.01	63	163770	20.660	ug/l	99
25) 2-Butanone	4.53	43	174529	89.871	ug/l	98
26) 2,2-Dichloropropane	3.78	77	87723	21.919	ug/l	98
27) cis-1,2-Dichloroethene	3.65	96	125161	19.799	ug/l	99
28) Bromochloromethane	3.91	49	77303	20.357	ug/l #	95
29) Tetrahydrofuran	4.27	42	78397	89.188	ug/l	99
30) Chloroform	4.06	83	198508	20.376	ug/l	99
31) Cyclohexane	3.88	56	170295	17.926	ug/l	90
32) 1,1,1-Trichloroethane	4.29	97	167020	23.422	ug/l #	89
36) 1,1-Dichloropropene	4.48	75	161778	22.317	ug/l	98
37) Ethyl Acetate	4.31	43	61718	18.042	ug/l #	99
38) Carbon Tetrachloride	4.19	117	179056	27.905	ug/l	93

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 Misc : 5.00g/5mL/MSVOA F/SOIL
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Instrument :
 MSVOA_F
 ClientSampleId :
 VF0422SBS01

Quant Time: Apr 23 01:10:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 23:52:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	176436	20.328	ug/l	93
40) Benzene	4.82	78	402725	21.180	ug/l	97
41) Methacrylonitrile	4.93	41	38587	19.556	ug/l	93
42) 1,2-Dichloroethane	5.13	62	113904	22.660	ug/l	100
43) Isopropyl Acetate	7.12	43	68678	19.089	ug/l #	97
44) Trichloroethene	5.68	130	114855	22.354	ug/l	99
45) 1,2-Dichloropropane	6.41	63	84335	20.136	ug/l	99
46) Dibromomethane	6.26	93	59384	21.310	ug/l	93
47) Bromodichloromethane	6.56	83	134924	21.456	ug/l #	99
48) Methyl methacrylate	6.88	41	45289	19.154	ug/l	97
49) 1,4-Dioxane	6.87	88	10246	377.854	ug/l	89
51) 4-Methyl-2-Pentanone	8.40	43	282117	105.425	ug/l	97
52) Toluene	7.78	92	218462	21.796	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	116635	24.694	ug/l	99
54) cis-1,3-Dichloropropene	7.47	75	149000	23.322	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	69425	24.725	ug/l	98
56) Ethyl methacrylate	8.76	69	68207	21.366	ug/l	94
57) 1,3-Dichloropropane	8.99	76	99512	21.948	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.46	63	102025	110.077	ug/l	95
59) 2-Hexanone	9.62	43	165445	99.226	ug/l	93
60) Dibromochloromethane	8.87	129	104135	24.938	ug/l	100
61) 1,2-Dibromoethane	9.13	107	74244	23.470	ug/l	97
64) Tetrachloroethene	8.31	164	105448	23.950	ug/l	97
65) Chlorobenzene	9.94	112	233689	22.470	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	106834	21.936	ug/l	99
67) Ethyl Benzene	10.03	91	416160	22.006	ug/l	97
68) m/p-Xylenes	10.27	106	310153	44.552	ug/l	99
69) o-Xylene	10.82	106	167395	21.657	ug/l	98
70) Styrene	10.90	104	250015	22.921	ug/l	99
71) Bromoform	10.88	173	60543	23.545	ug/l #	99
73) Isopropylbenzene	11.21	105	503678	20.543	ug/l	100
74) N-amyl acetate	11.45	43	107364	17.007	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.77	83	82863	19.652	ug/l	99
76) 1,2,3-Trichloropropane	11.94	75	36108	12.447	ug/l	83
77) Bromobenzene	11.59	156	118815	22.622	ug/l	90
78) n-propylbenzene	11.67	91	539272	20.850	ug/l	100
79) 2-Chlorotoluene	11.80	91	322982	20.586	ug/l	97
80) 1,3,5-Trimethylbenzene	11.89	105	416179	20.381	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	36412	24.611	ug/l #	88
82) 4-Chlorotoluene	11.97	91	314986	20.774	ug/l	97
83) tert-Butylbenzene	12.20	119	444146	21.032	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	410121	20.754	ug/l	100
85) sec-Butylbenzene	12.37	105	560073	20.429	ug/l	100
86) p-Isopropyltoluene	12.52	119	484663	20.840	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	212054	21.757	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	199507	21.222	ug/l	99
89) n-Butylbenzene	12.90	91	460642	21.083	ug/l	98
90) Hexachloroethane	12.98	117	120460	20.171	ug/l	94
91) 1,2-Dichlorobenzene	13.00	146	204280	21.706	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.69	75	15651	18.893	ug/l	94

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Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

Quant Time: Apr 23 01:10:10 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
Quant Title : SW846 8260
QLast Update : Fri Apr 19 23:52:01 2019
Response via : Initial Calibration

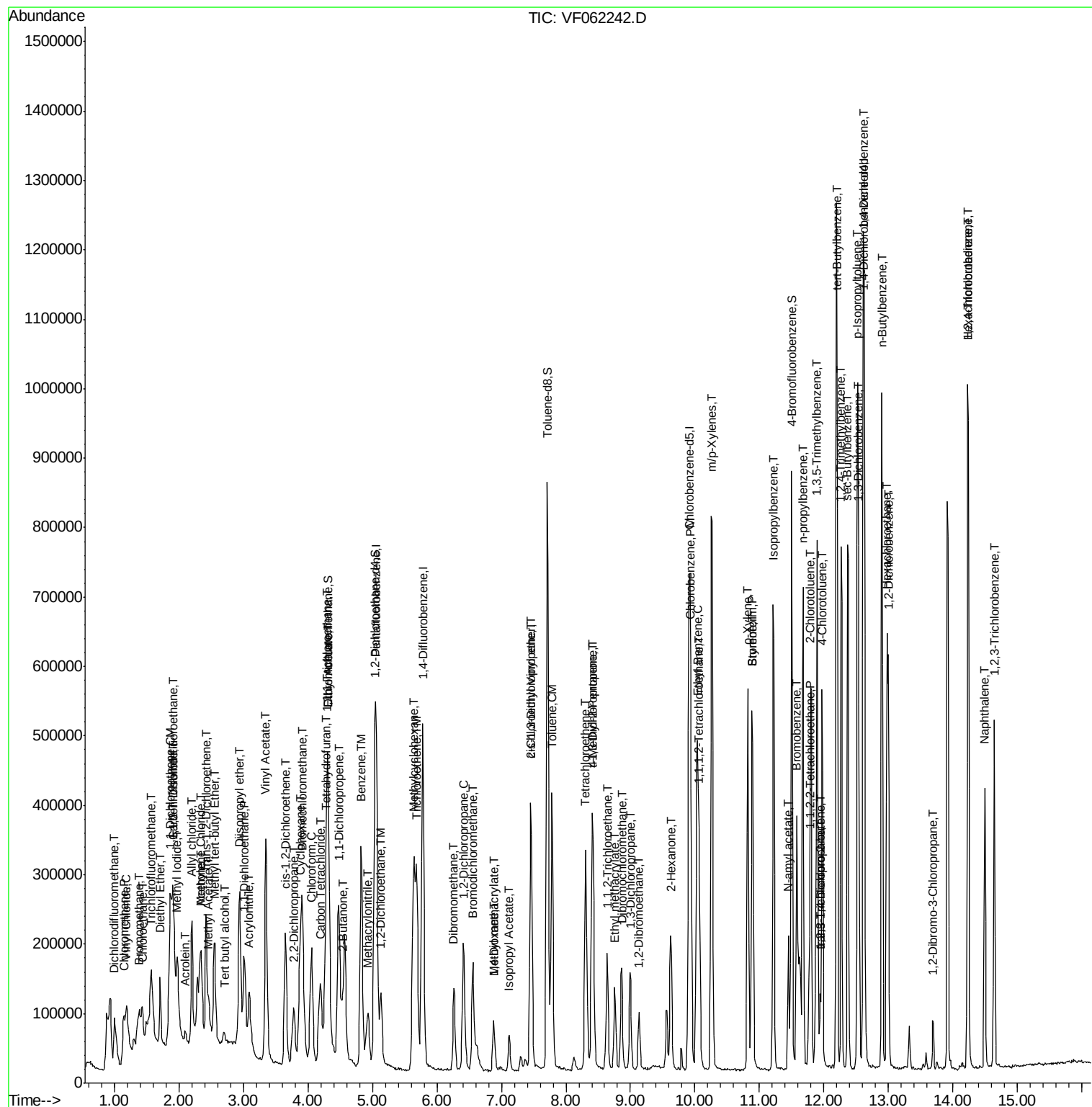
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	176567	22.424	ug/l	96
94) Hexachlorobutadiene	14.23	225	120586	22.334	ug/l	99
95) Naphthalene	14.49	128	266132	19.330	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	160629	21.249	ug/l	100

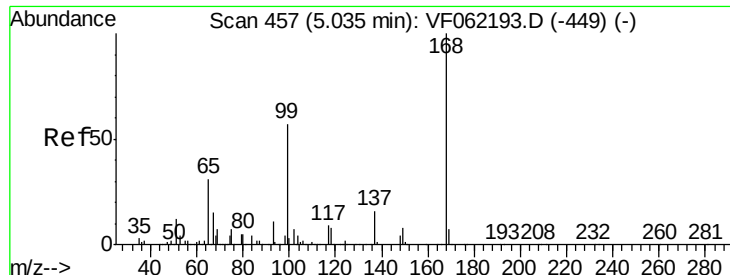
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF042219\
 Data File : VF062242.D
 Acq On : 22 Apr 2019 14:02
 Operator : FY/SY
 Sample : VF0422SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

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 MSVOA_F
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Quant Time: Apr 23 01:10:10 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 23:52:01 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.03 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

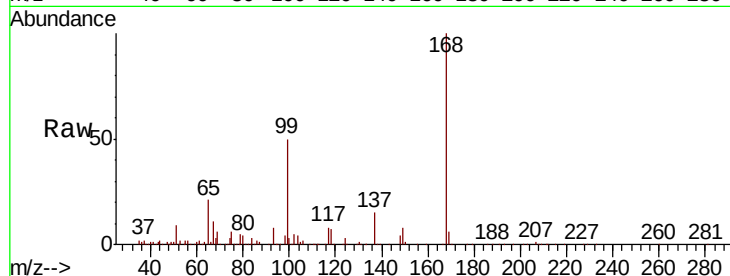
VF0422SBS01

Tot Ion:168 Resp: 443124

Ion Ratio Lower Upper

168 100

99 49.7 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.06

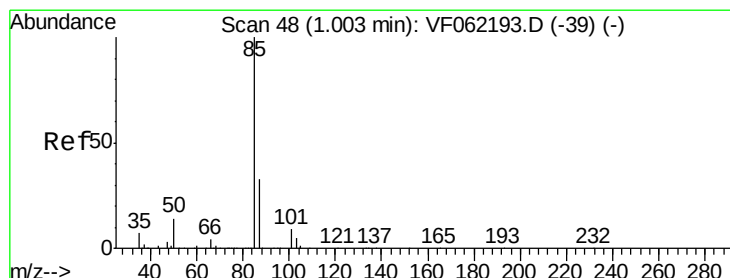
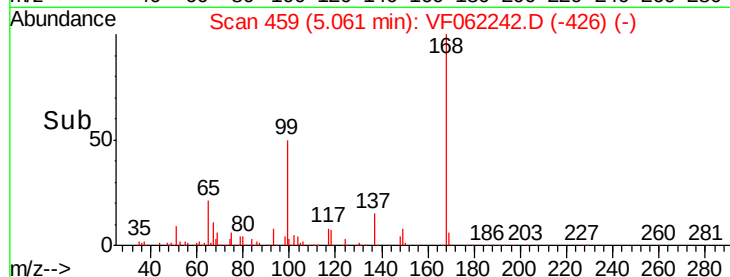
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.531 ug/l

RT: 1.00 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF062242.D

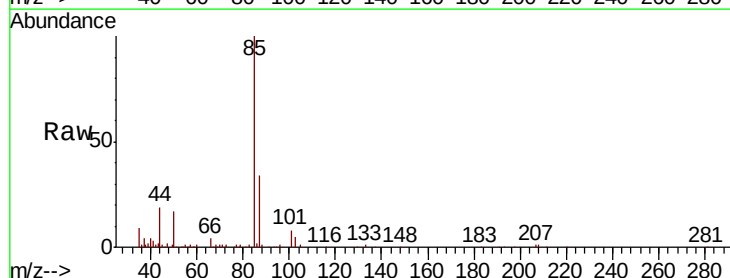
Acq: 22 Apr 2019 14:02

Tgt Ion: 85 Resp: 144990

Ion Ratio Lower Upper

85 100

87 33.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.00

40000

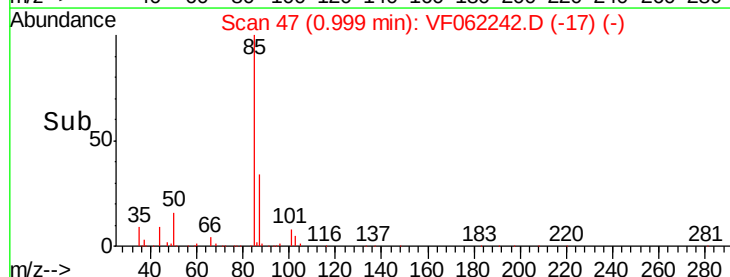
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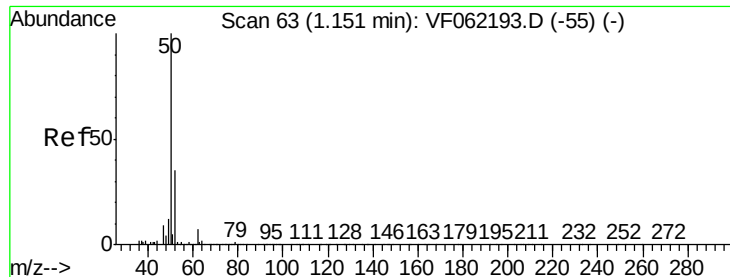
20000

10000

0

Time-->





#3

Chloromethane

Concen: 18.786 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

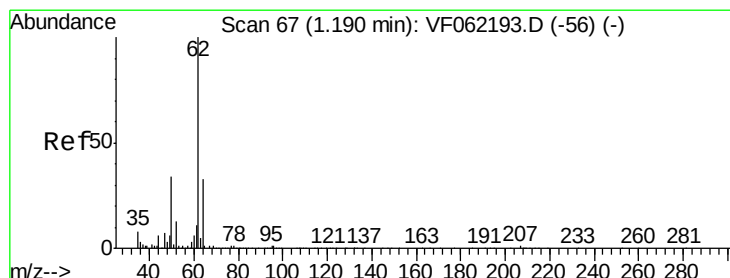
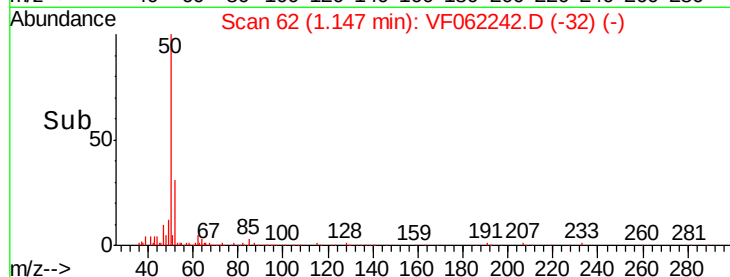
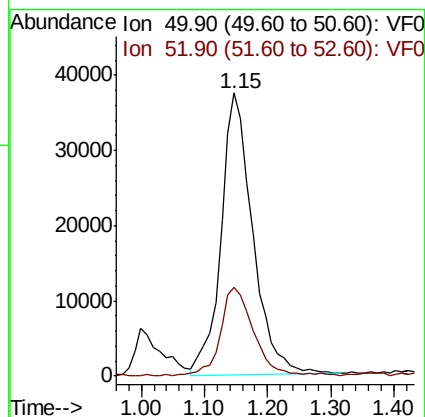
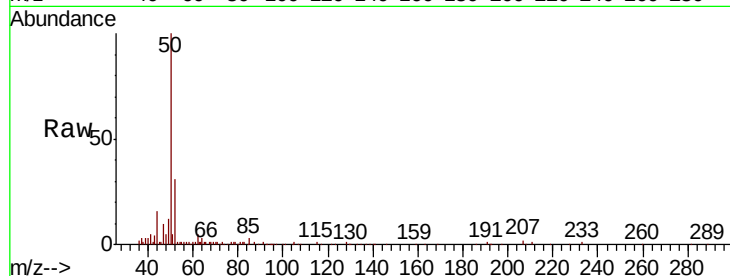
VF0422SBS01

Tot Ion: 50 Resp: 130758

Ion Ratio Lower Upper

50 100

52 31.3 27.0 40.4



#4

Vinyl Chloride

Concen: 20.505 ug/l

RT: 1.20 min Scan# 67

Delta R.T. 0.01 min

Lab File: VF062242.D

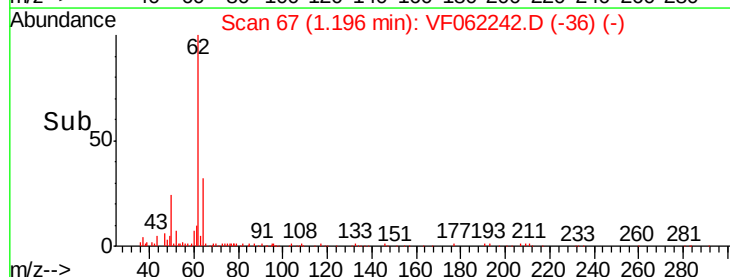
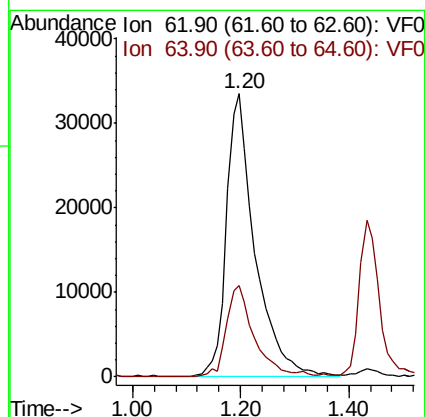
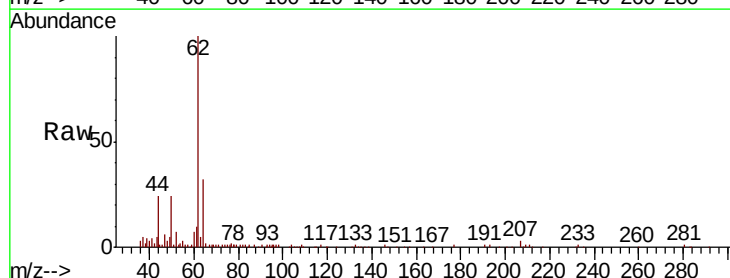
Acq: 22 Apr 2019 14:02

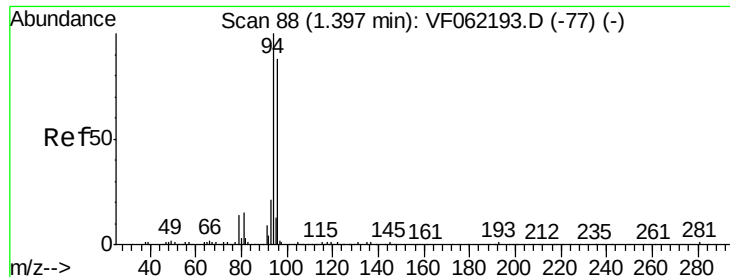
Tgt Ion: 62 Resp: 122620

Ion Ratio Lower Upper

62 100

64 31.9 26.2 39.4





#5

Bromomethane

Concen: 20.670 ug/l

RT: 1.38 min Scan# 86

Delta R.T. -0.01 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

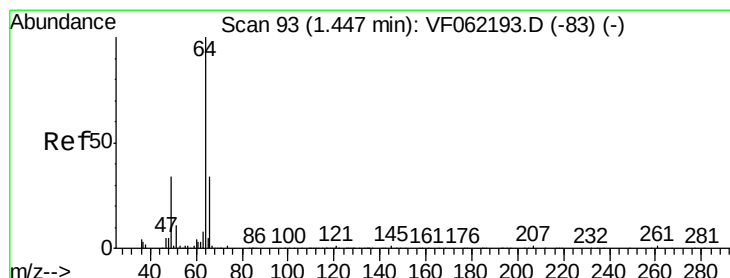
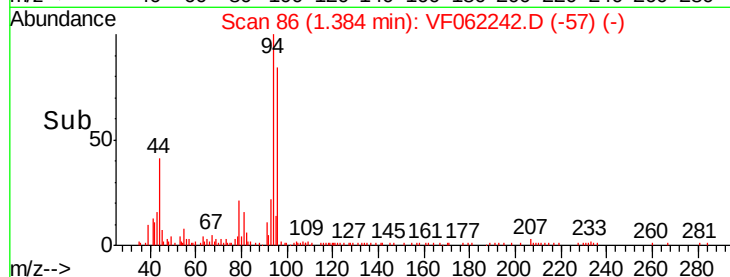
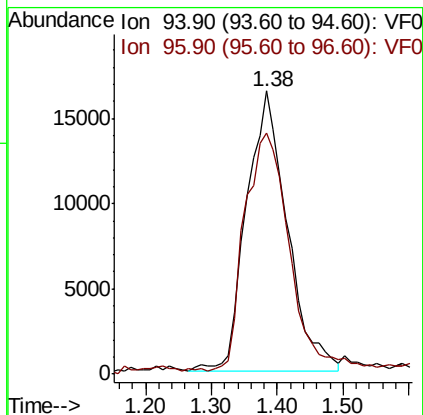
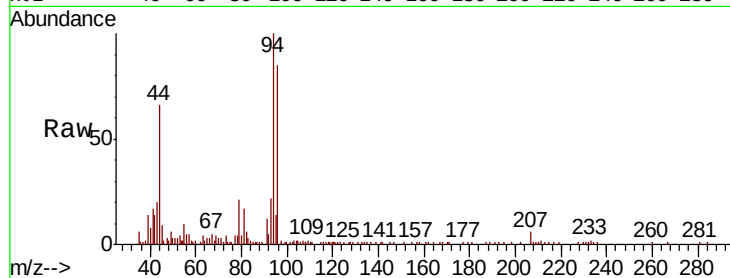
VF0422SBS01

Tot Ion: 94 Resp: 71805

Ion Ratio Lower Upper

94 100

96 83.9 70.2 105.4



#6

Chloroethane

Concen: 18.641 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.01 min

Lab File: VF062242.D

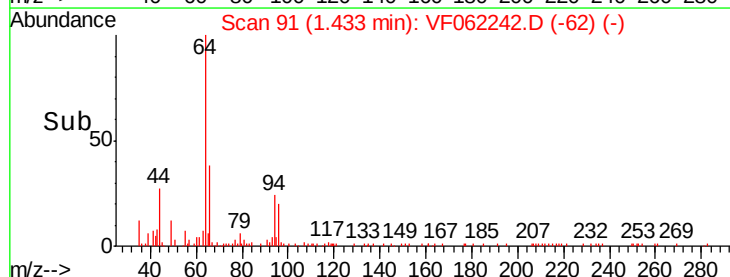
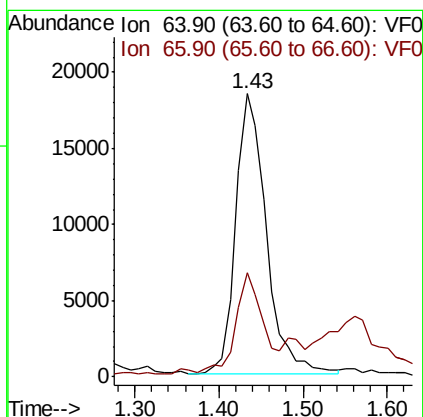
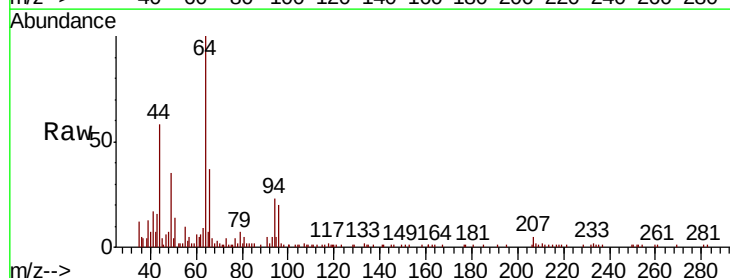
Acq: 22 Apr 2019 14:02

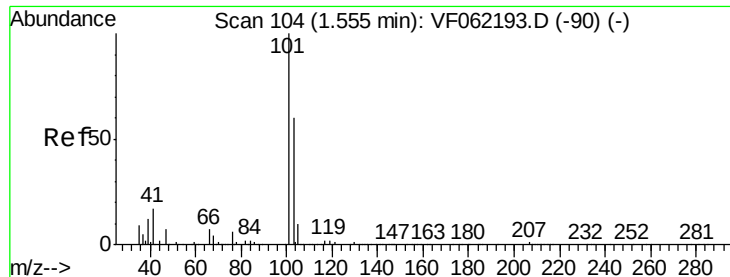
Tgt Ion: 64 Resp: 46600

Ion Ratio Lower Upper

64 100

66 34.7 27.0 40.4



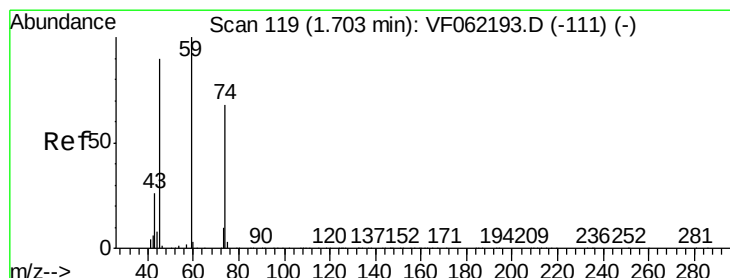
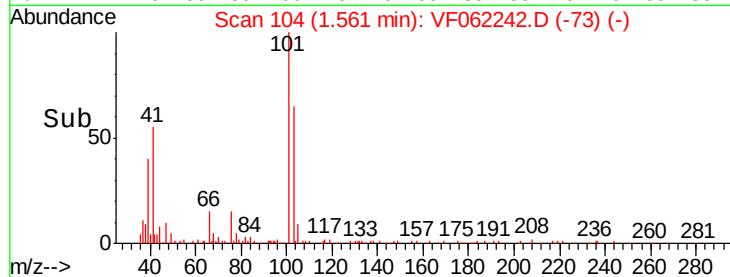
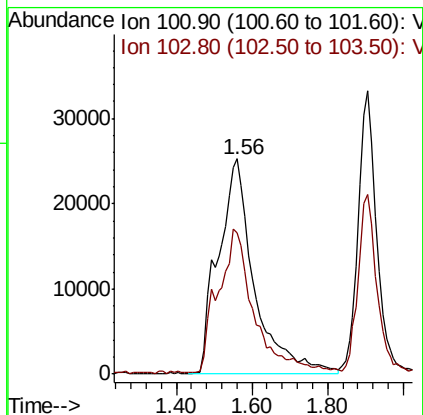
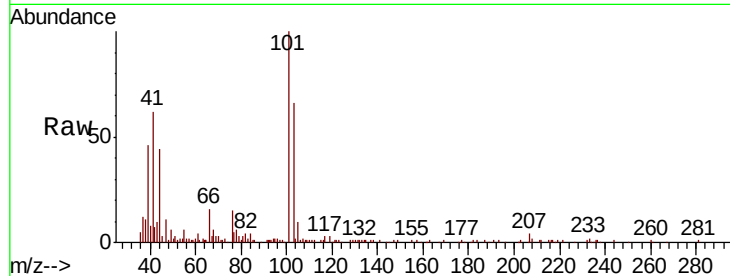


#7

Trichlorofluoromethane
 Concen: 22.037 ug/l
 RT: 1.56 min Scan# 104
 Delta R.T. 0.01 min
 Lab File: VF062242.D
 Acq: 22 Apr 2019 14:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0422SBS01

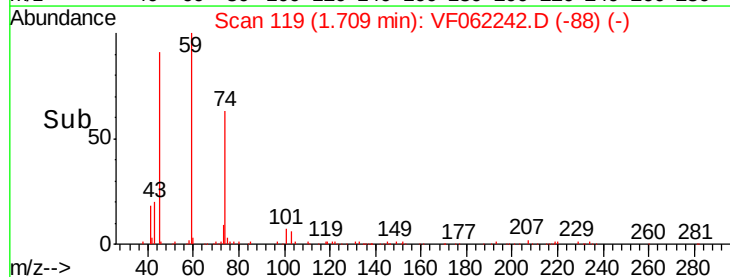
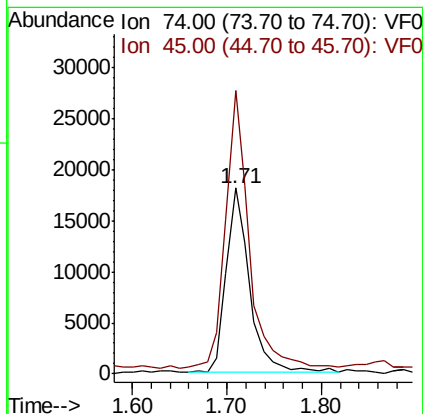
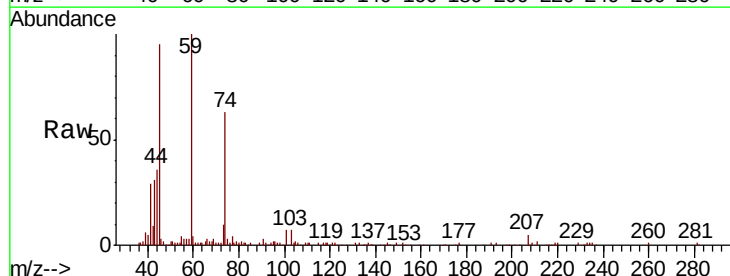
Tot Ion:101 Resp: 167409
 Ion Ratio Lower Upper
 101 100
 103 64.9 48.2 72.4

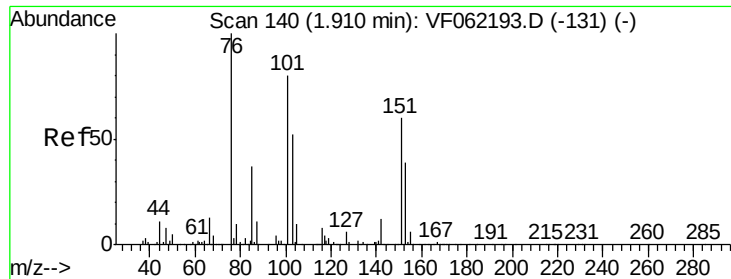


#8

Diethyl Ether
 Concen: 19.362 ug/l
 RT: 1.71 min Scan# 119
 Delta R.T. 0.01 min
 Lab File: VF062242.D
 Acq: 22 Apr 2019 14:02

Tgt Ion: 74 Resp: 30614
 Ion Ratio Lower Upper
 74 100
 45 153.0 70.0 210.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.192 ug/l

RT: 1.91 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0422SBS01

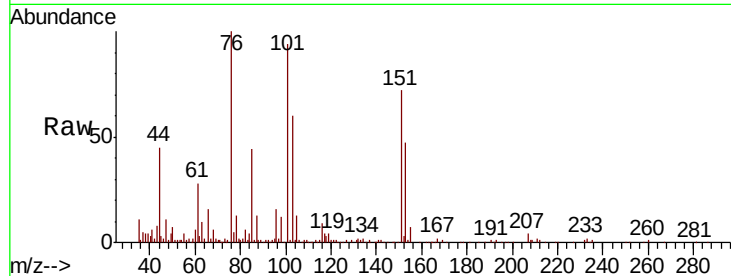
Tot Ion:101 Resp: 109981

Ion Ratio Lower Upper

101 100

85 45.2 35.3 52.9

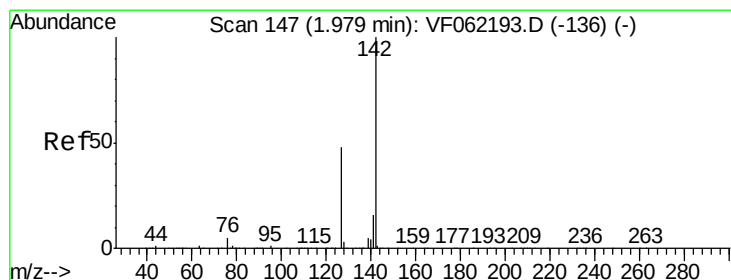
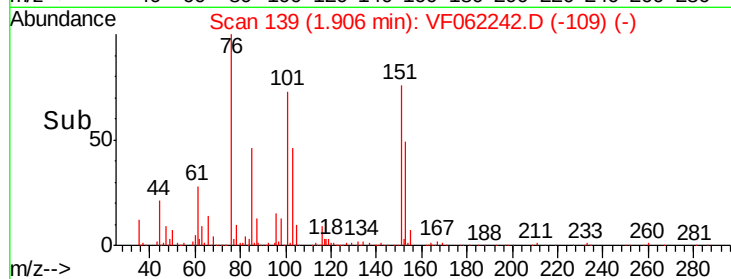
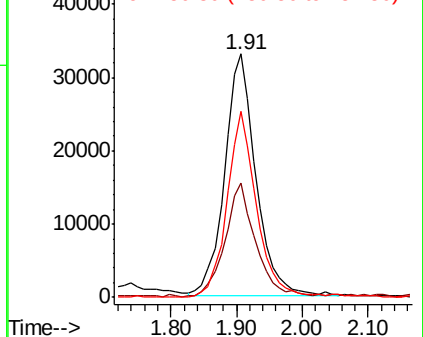
151 73.7 57.5 86.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VF0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.244 ug/l

RT: 1.98 min Scan# 146

Delta R.T. -0.00 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

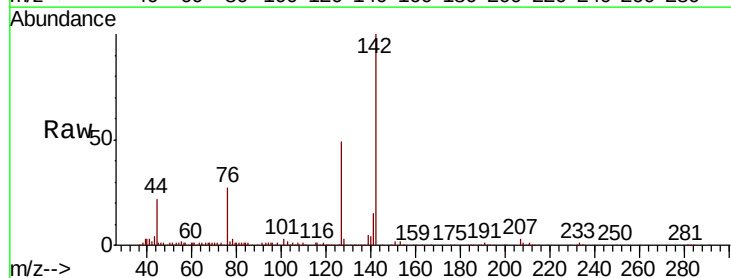
Tgt Ion:142 Resp: 195863

Ion Ratio Lower Upper

142 100

127 50.4 33.0 49.4#

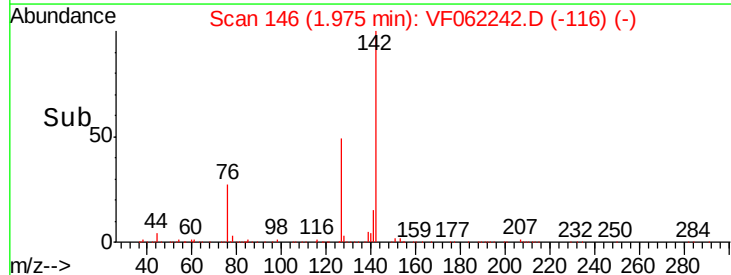
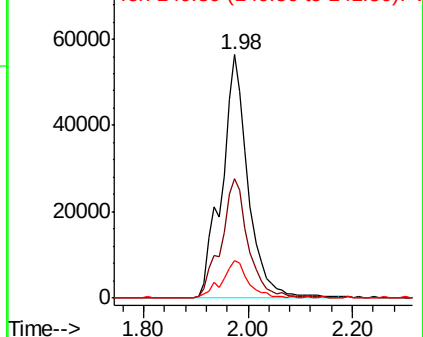
141 15.5 12.7 19.1

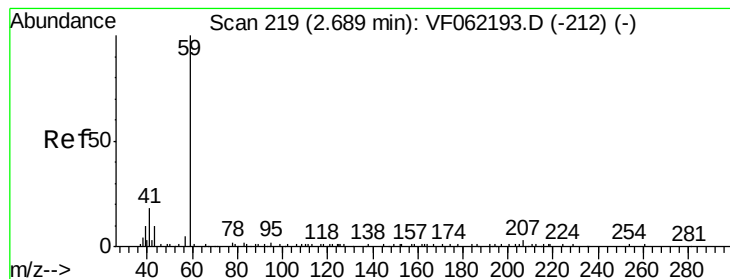


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 92.625 ug/l

RT: 2.69 min Scan# 219

Delta R.T. 0.01 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

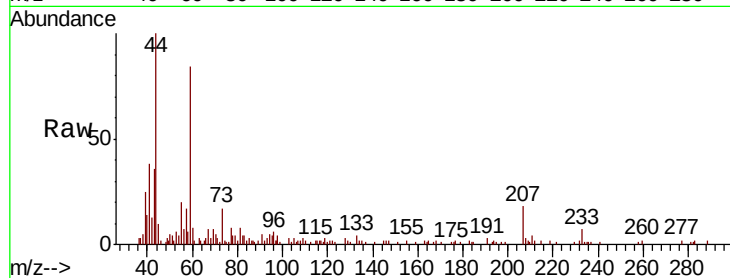
VF0422SBS01

Tot Ion: 59 Resp: 26161

Ion Ratio Lower Upper

59 100

57 12.0 9.3 13.9



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

15000

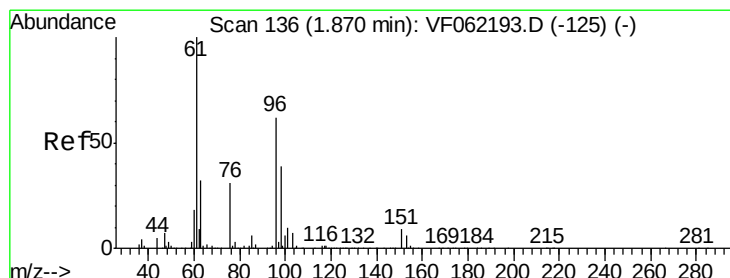
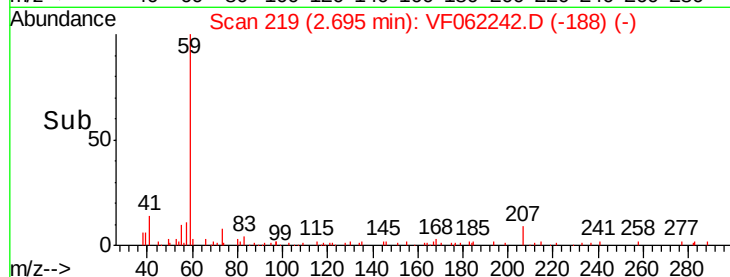
10000

5000

0

2.60 2.70 2.80 2.90

Time-->



#12

1,1-Dichloroethene

Concen: 19.536 ug/l

RT: 1.87 min Scan# 135

Delta R.T. -0.00 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

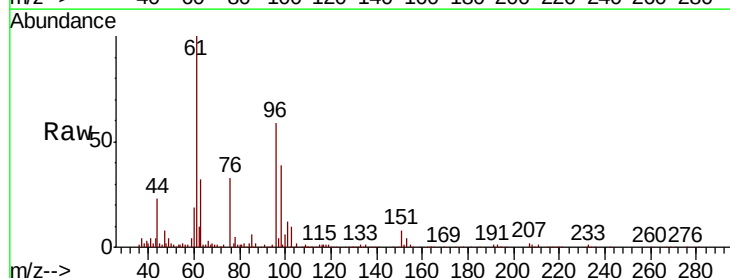
Tgt Ion: 96 Resp: 96433

Ion Ratio Lower Upper

96 100

61 170.4 129.1 193.7

98 65.4 50.0 75.0



Abundance Ion 95.90 (95.60 to 96.60): VF0

Ion 60.90 (60.60 to 61.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

60000

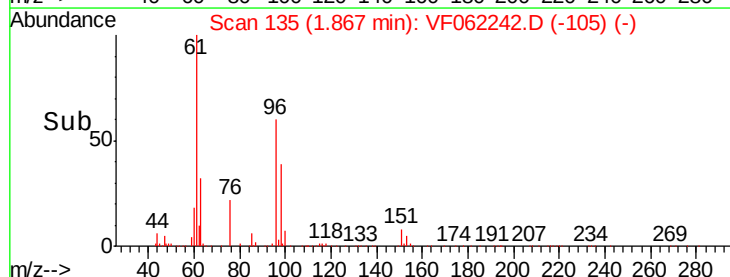
40000

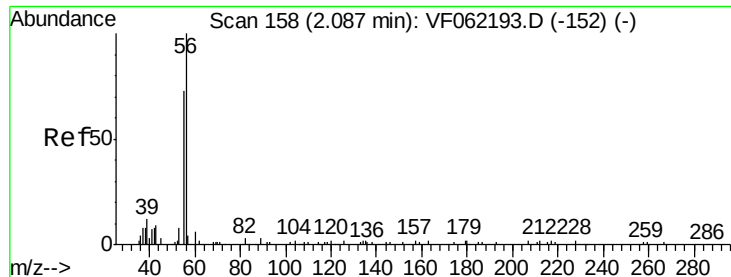
20000

0

1.70 1.80 1.90 2.00

Time-->

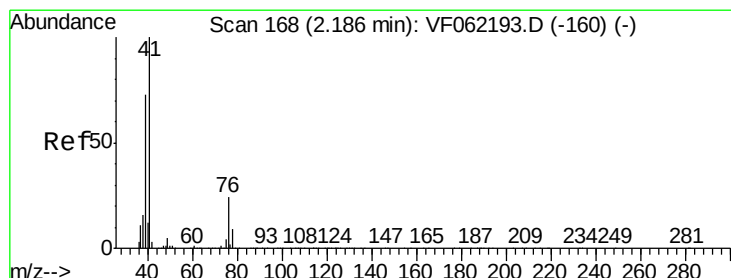
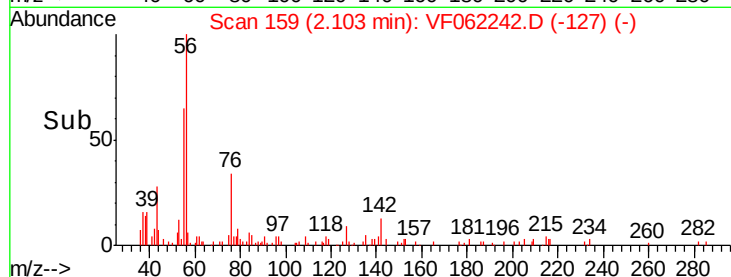
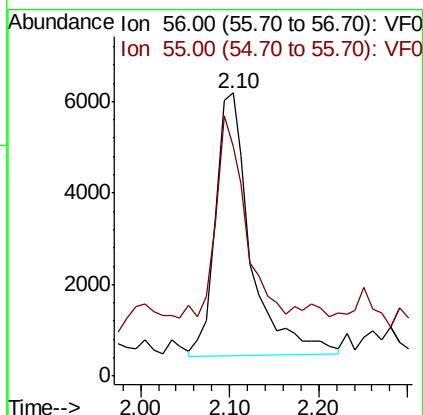
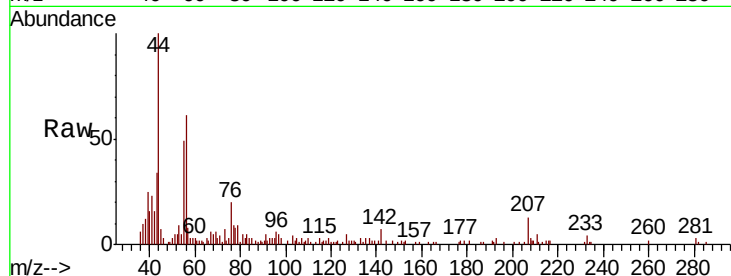




#13
Acrolein
Concen: 109.919 ug/l
RT: 2.10 min Scan# 159
Delta R.T. 0.02 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

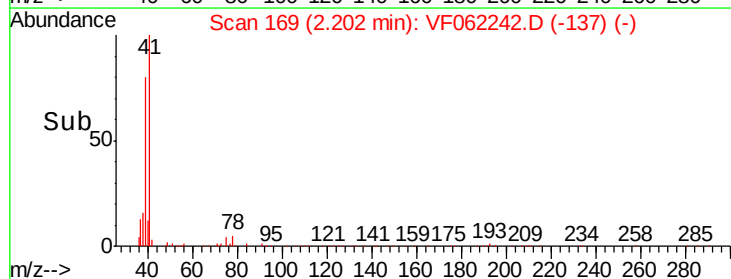
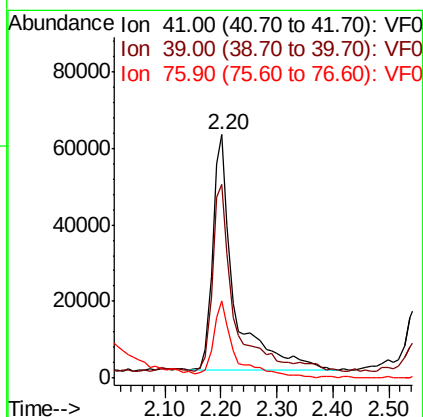
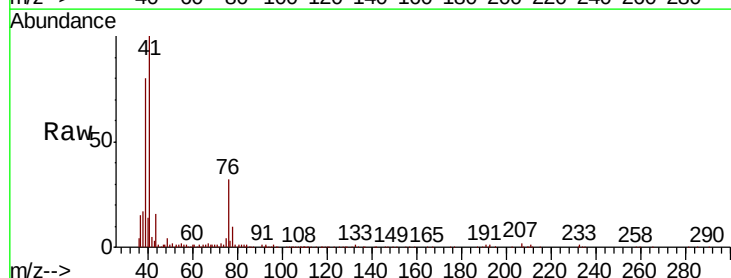
Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

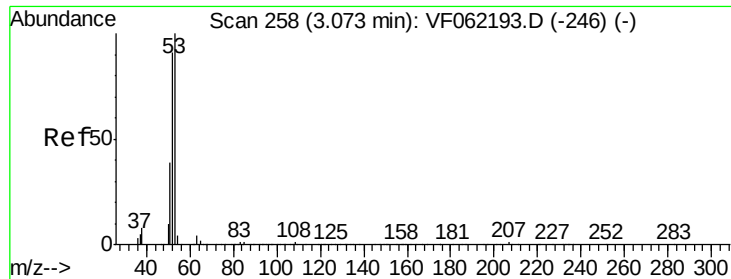
Tot Ion: 56 Resp: 15823
Ion Ratio Lower Upper
56 100
55 66.2 57.4 86.0



#14
Allyl chloride
Concen: 29.014 ug/l
RT: 2.20 min Scan# 169
Delta R.T. 0.02 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Tgt Ion: 41 Resp: 164361
Ion Ratio Lower Upper
41 100
39 82.8 60.0 90.0
76 31.4 20.6 30.8#





#15

Acrylonitrile

Concen: 88.341 ug/l

RT: 3.09 min Scan# 259

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0422SBS01

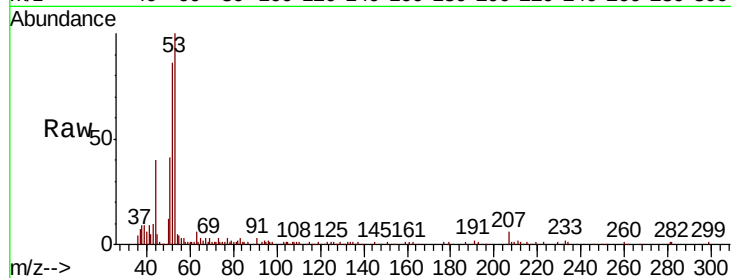
Tot Ion: 53 Resp: 75995

Ion Ratio Lower Upper

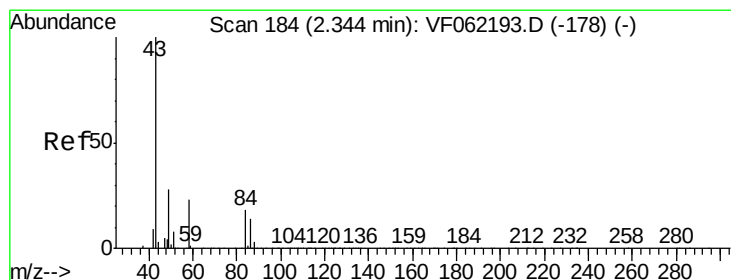
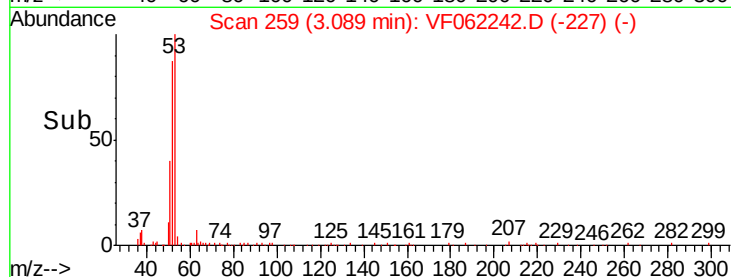
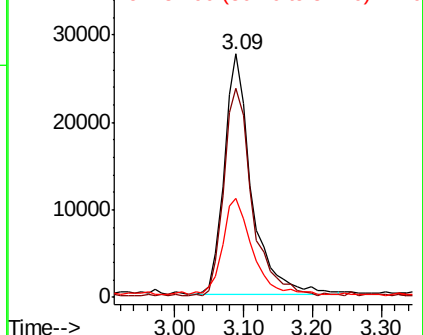
53 100

52 89.0 69.5 104.3

51 42.8 31.8 47.8



Abundance Ion 53.00 (52.70 to 53.70): VF0
Ion 52.00 (51.70 to 52.70): VF0
Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 96.232 ug/l

RT: 2.35 min Scan# 184

Delta R.T. 0.01 min

Lab File: VF062242.D

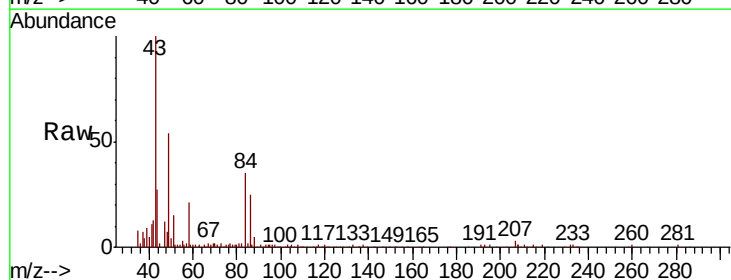
Acq: 22 Apr 2019 14:02

Tgt Ion: 43 Resp: 93462

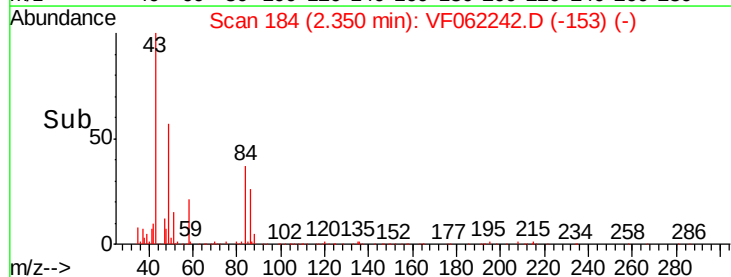
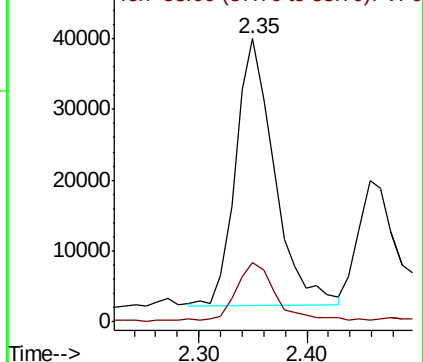
Ion Ratio Lower Upper

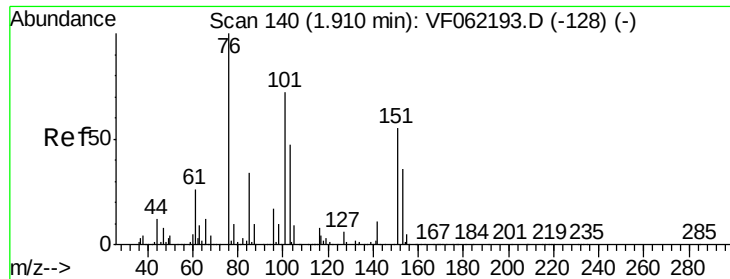
43 100

58 21.4 18.8 28.2



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





#17

Carbon Disulfide

Concen: 19.839 ug/l

RT: 1.92 min Scan# 140

Delta R.T. 0.01 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

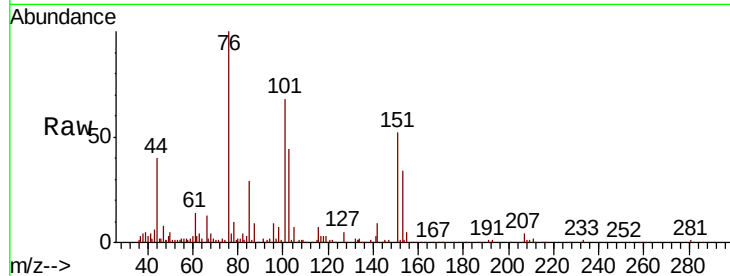
VF0422SBS01

Tot Ion: 76 Resp: 272120

Ion Ratio Lower Upper

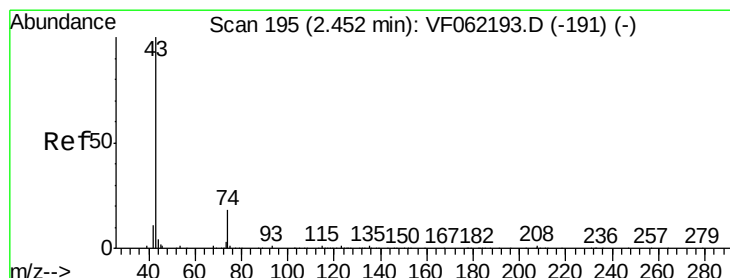
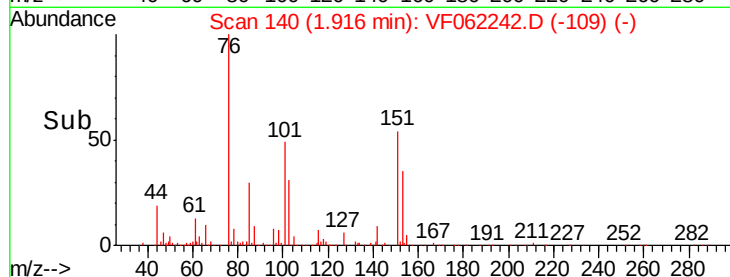
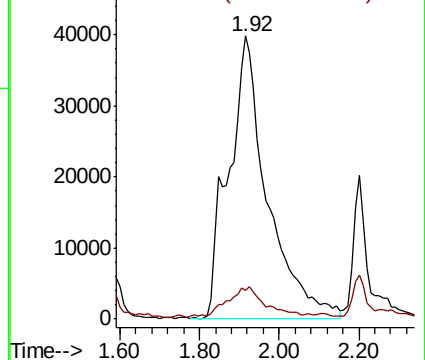
76 100

78 9.2 8.7 13.1



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0



#18

Methyl Acetate

Concen: 16.130 ug/l

RT: 2.46 min Scan# 195

Delta R.T. 0.01 min

Lab File: VF062242.D

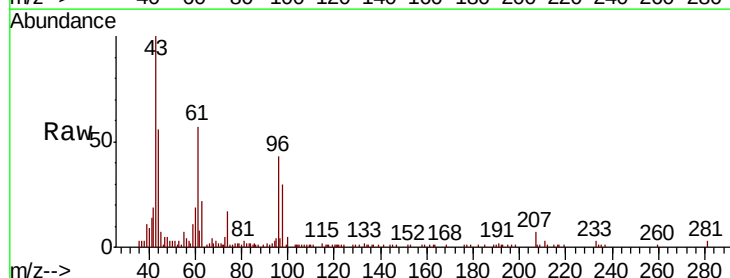
Acq: 22 Apr 2019 14:02

Tgt Ion: 43 Resp: 42018

Ion Ratio Lower Upper

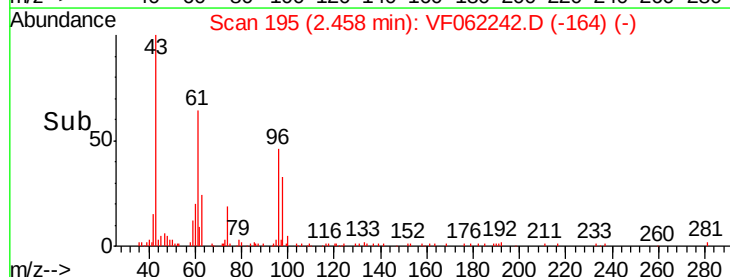
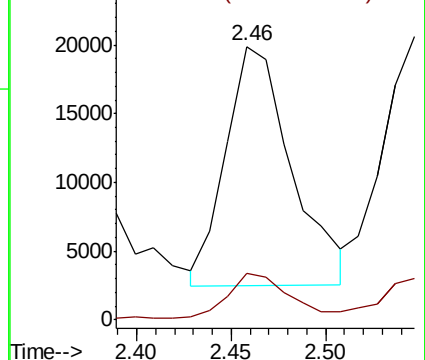
43 100

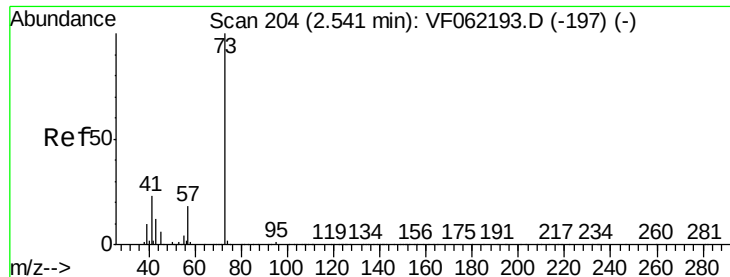
74 17.4 14.5 21.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



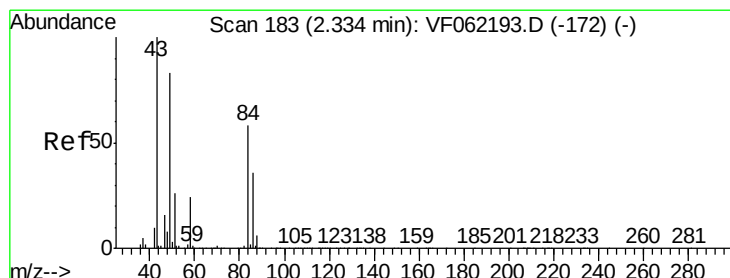
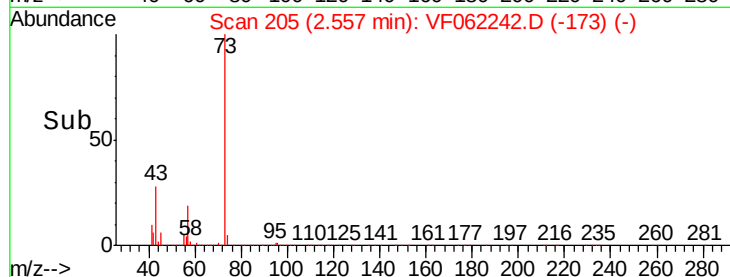
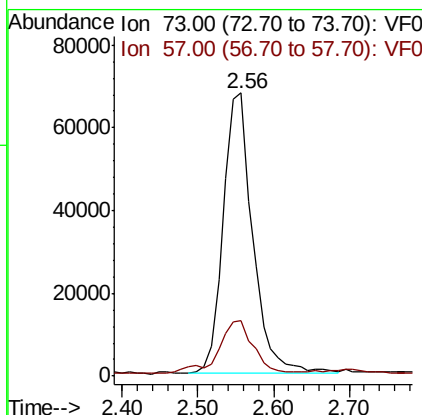
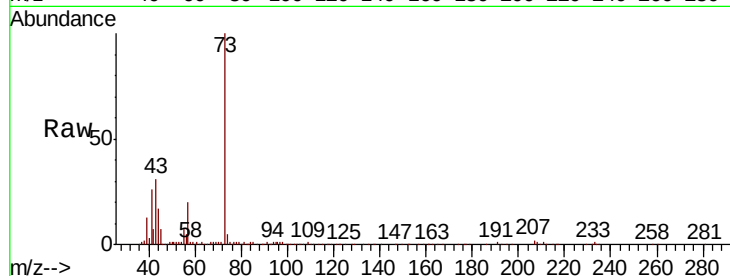


#19

Methyl tert-butyl Ether
 Concen: 21.152 ug/l
 RT: 2.56 min Scan# 205
 Delta R.T. 0.02 min
 Lab File: VF062242.D
 Acq: 22 Apr 2019 14:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0422SBS01

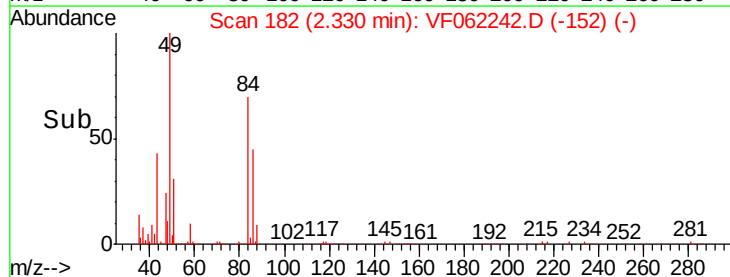
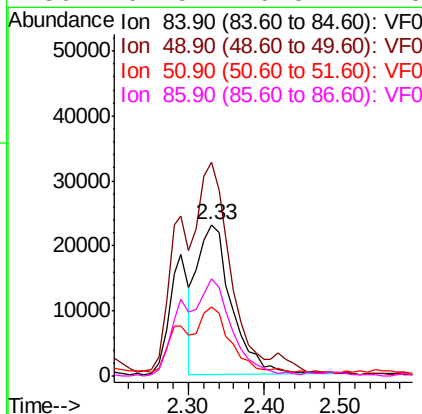
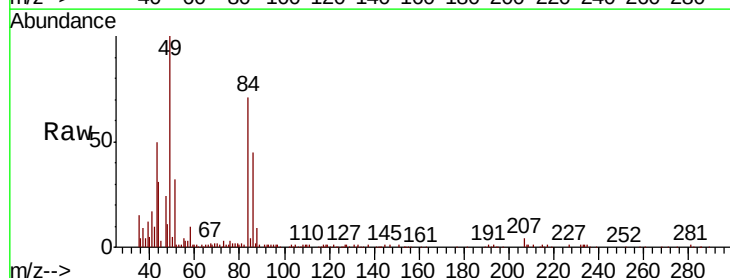
Tot Ion: 73 Resp: 184351
 Ion Ratio Lower Upper
 73 100
 57 17.9 15.1 22.7

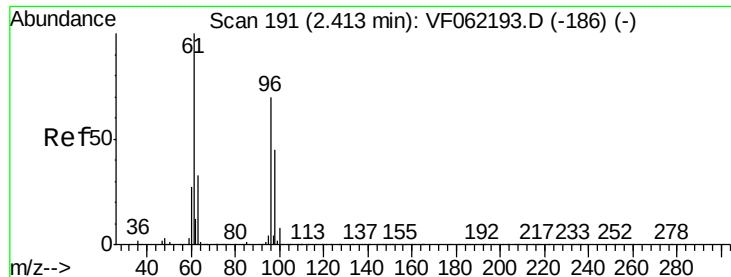


#20

Methylene Chloride
 Concen: 10.137 ug/l
 RT: 2.33 min Scan# 182
 Delta R.T. -0.00 min
 Lab File: VF062242.D
 Acq: 22 Apr 2019 14:02

Tgt Ion: 84 Resp: 72164
 Ion Ratio Lower Upper
 84 100
 49 141.5 114.0 171.0
 51 44.2 37.0 55.4
 86 62.5 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 19.122 ug/l

RT: 2.42 min Scan# 191

Delta R.T. 0.01 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0422SBS01

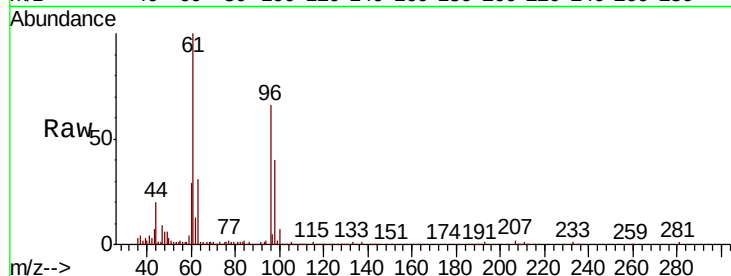
Tot Ion: 96 Resp: 93343

Ion Ratio Lower Upper

96 100

61 153.5 114.6 172.0

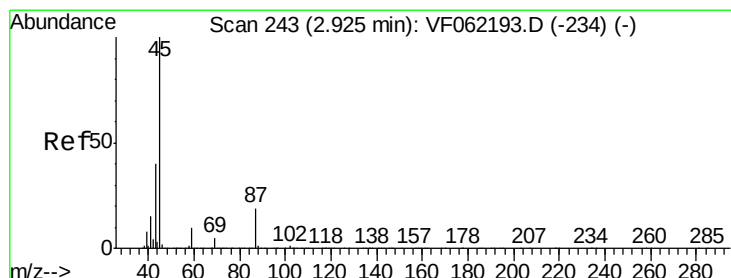
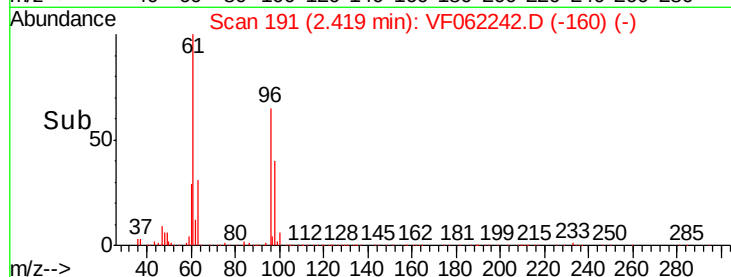
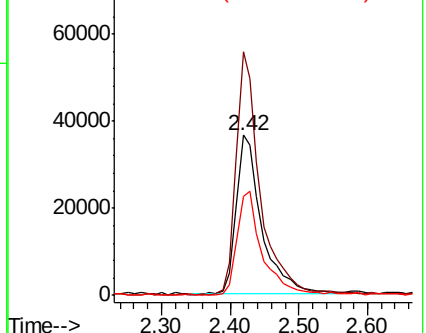
98 61.6 51.2 76.8



Abundance Ion 95.90 (95.60 to 96.60): VF0

Ion 60.90 (60.60 to 61.60): VF0

Ion 97.90 (97.60 to 98.60): VF0



#22

Diisopropyl ether

Concen: 19.597 ug/l

RT: 2.94 min Scan# 244

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Tgt Ion: 45 Resp: 283986

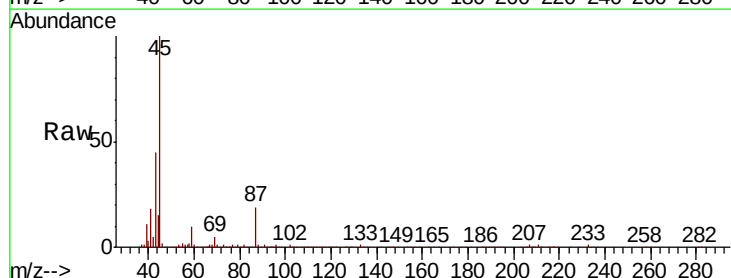
Ion Ratio Lower Upper

45 100

43 42.7 32.8 49.2

87 19.6 15.2 22.8

59 9.3 7.8 11.6

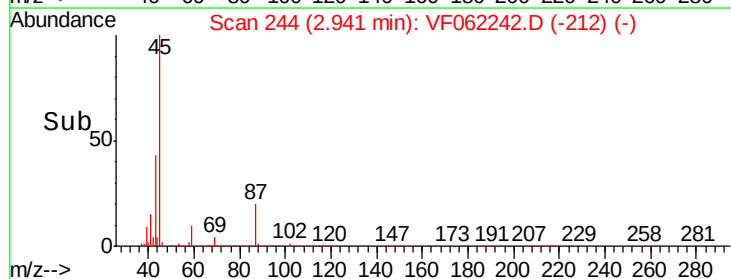
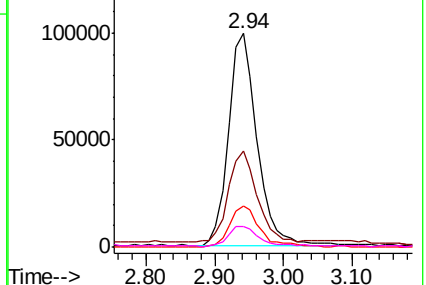


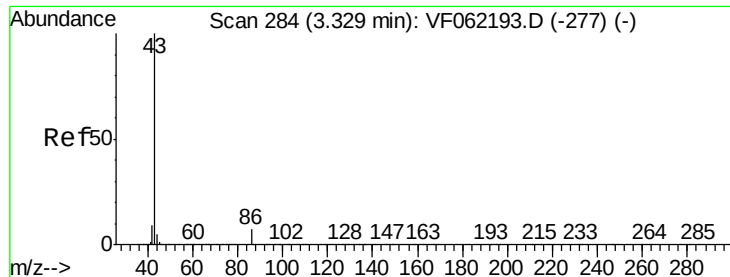
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 97.891 ug/l

RT: 3.35 min Scan# 285

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

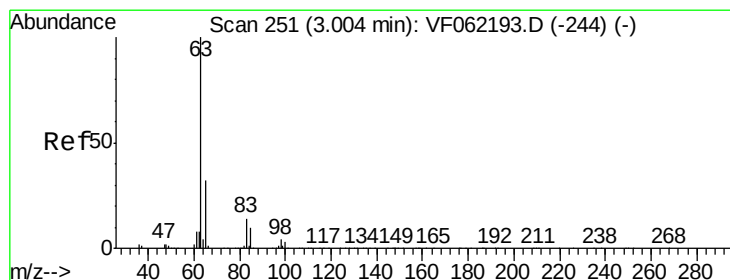
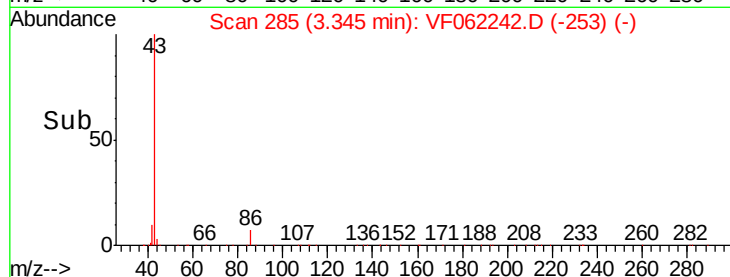
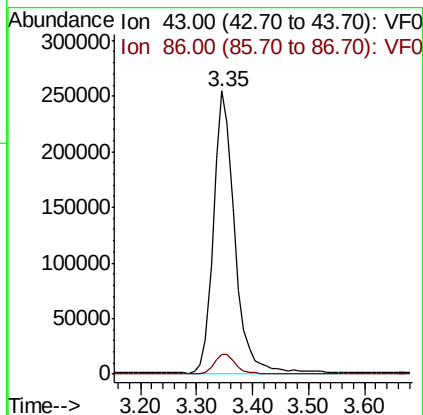
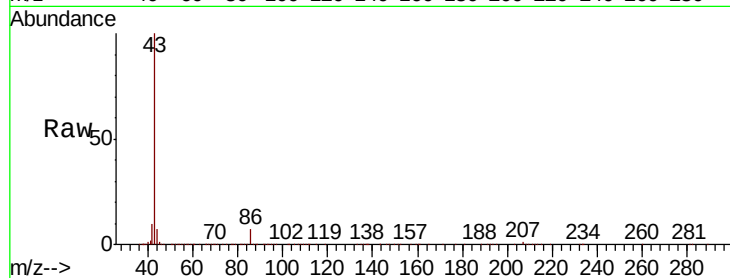
VF0422SBS01

Tot Ion: 43 Resp: 675858

Ion Ratio Lower Upper

43 100

86 7.2 5.9 8.9



#24

1,1-Dichloroethane

Concen: 20.660 ug/l

RT: 3.01 min Scan# 251

Delta R.T. 0.01 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

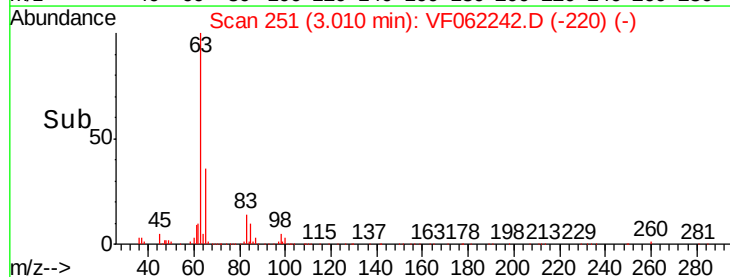
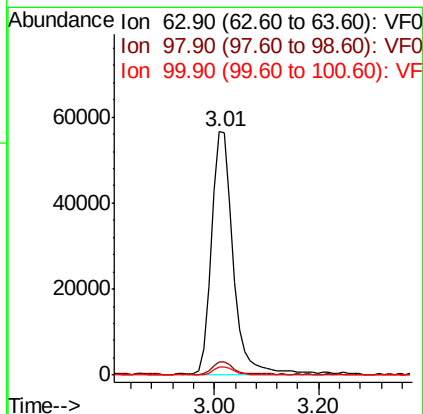
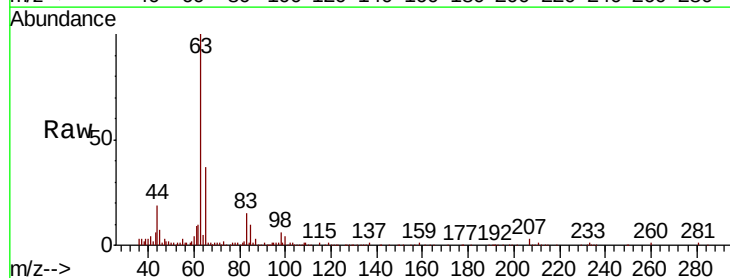
Tgt Ion: 63 Resp: 163770

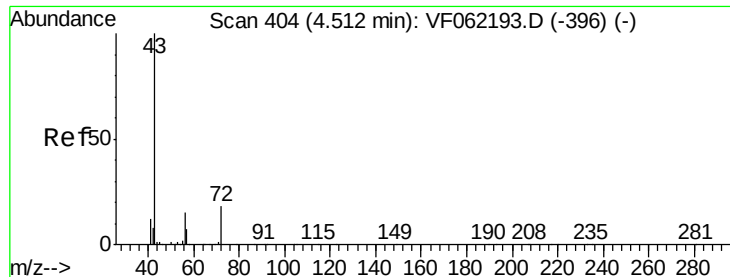
Ion Ratio Lower Upper

63 100

98 5.1 2.3 6.8

100 3.6 1.7 5.0





#25

2-Butanone

Concen: 89.871 ug/l

RT: 4.53 min Scan# 405

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

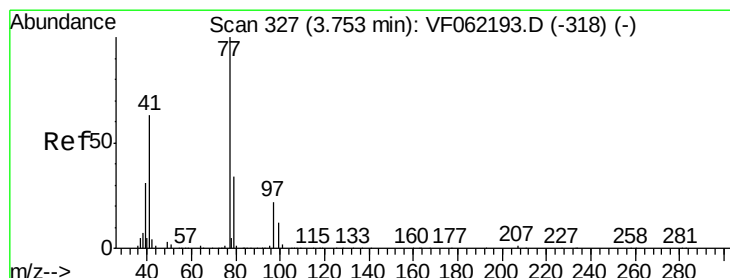
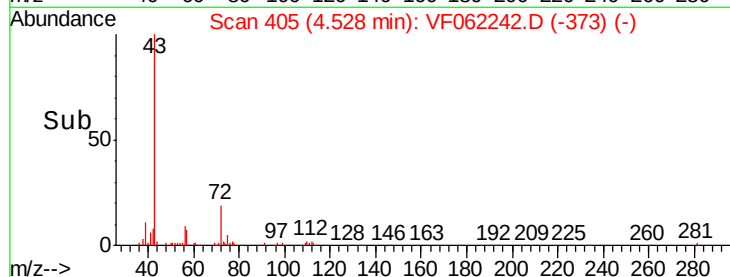
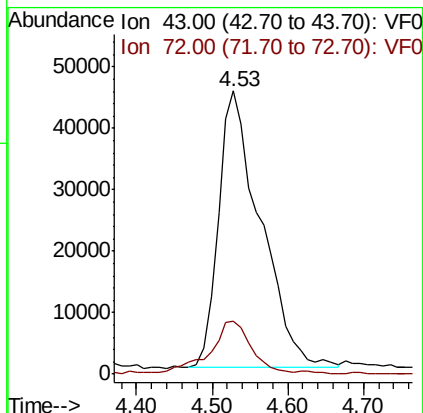
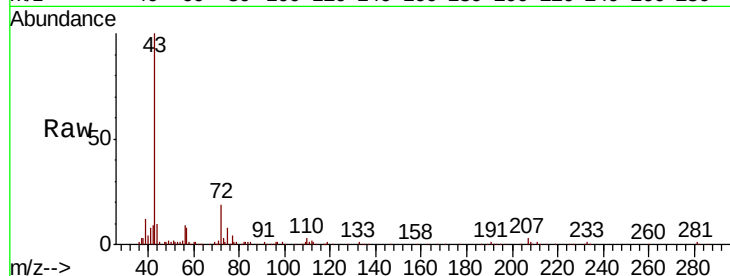
VF0422SBS01

Tot Ion: 43 Resp: 174529

Ion Ratio Lower Upper

43 100

72 19.0 16.1 24.1



#26

2,2-Dichloropropane

Concen: 21.919 ug/l

RT: 3.78 min Scan# 329

Delta R.T. 0.03 min

Lab File: VF062242.D

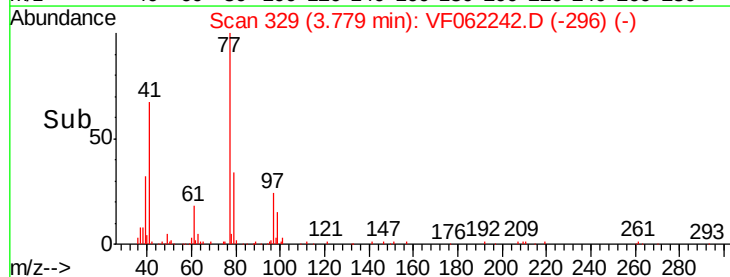
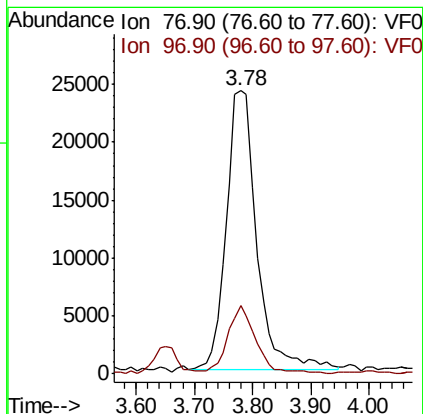
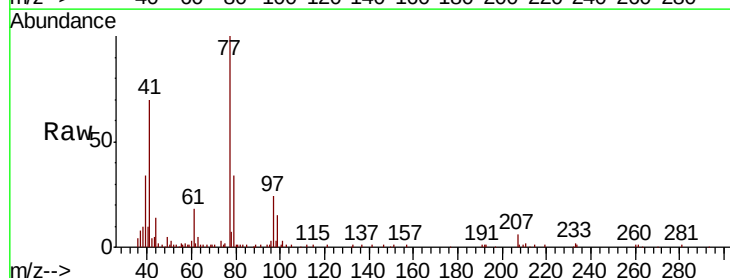
Acq: 22 Apr 2019 14:02

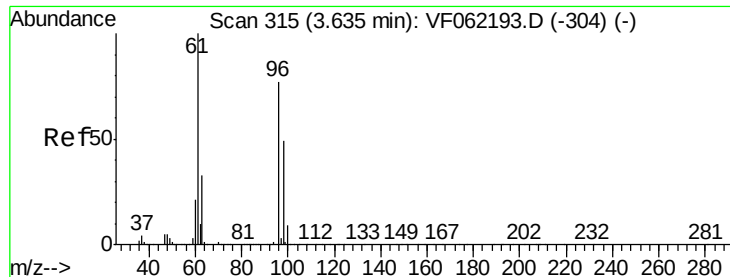
Tgt Ion: 77 Resp: 87723

Ion Ratio Lower Upper

77 100

97 23.2 11.1 33.3



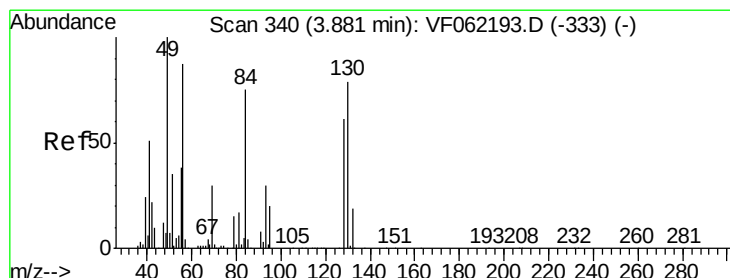
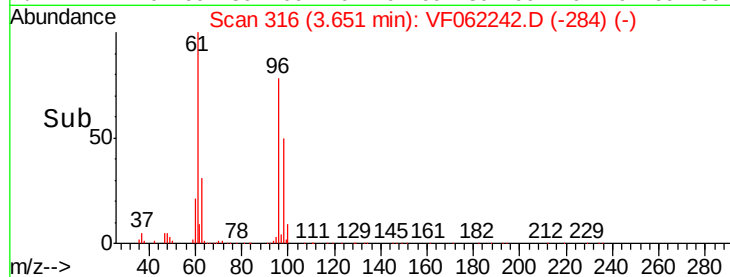
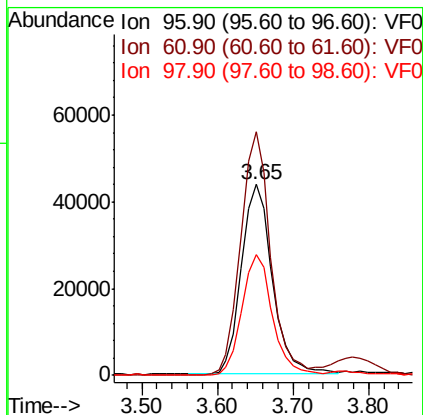
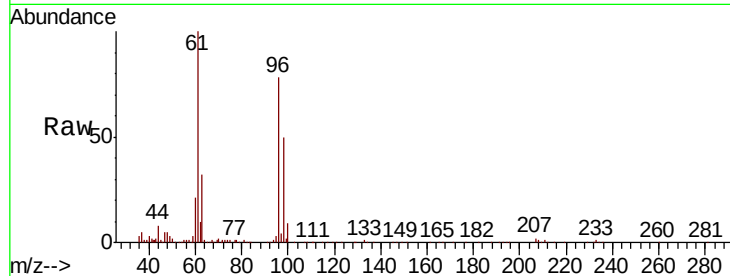


#27

cis-1,2-Dichloroethene
Concen: 19.799 ug/l
RT: 3.65 min Scan# 316
Delta R.T. 0.02 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

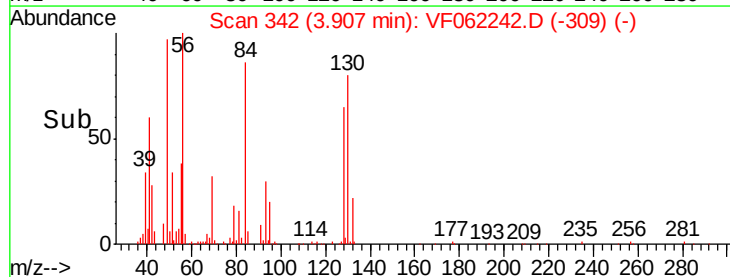
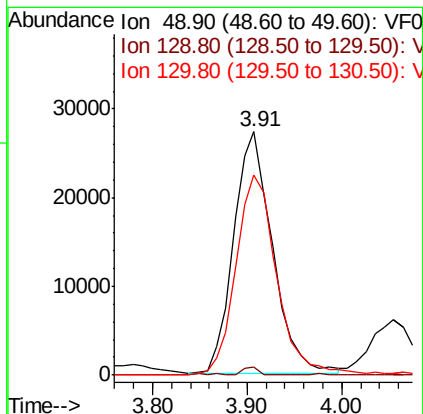
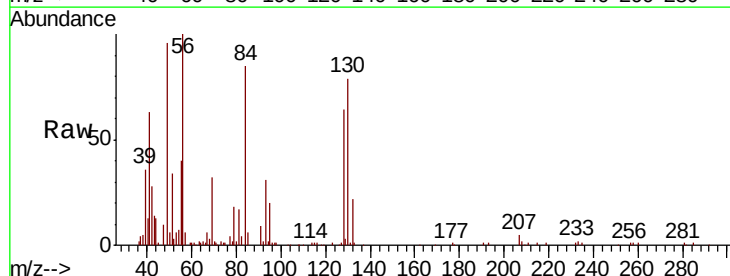
Tot Ion	Ratio	Lower	Upper
96	100		
61	125.0	0.0	253.6
98	62.6	0.0	124.8

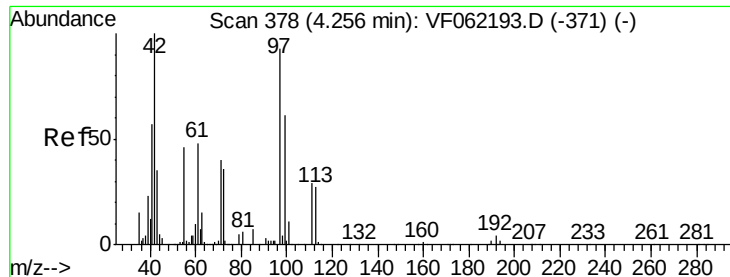


#28

Bromochloromethane
Concen: 20.357 ug/l
RT: 3.91 min Scan# 342
Delta R.T. 0.03 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	0.0#
130	87.7	66.6	100.0

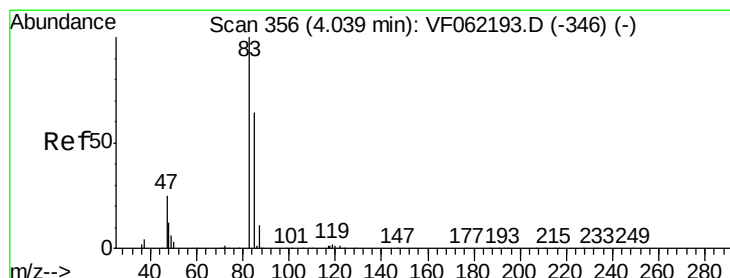
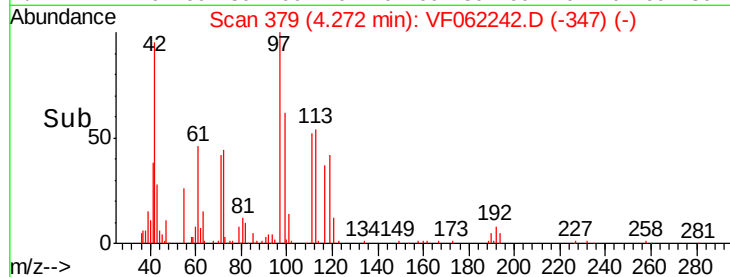
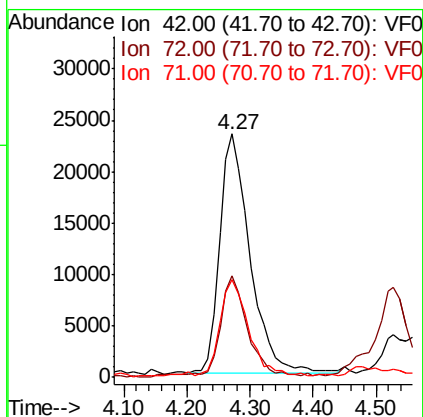
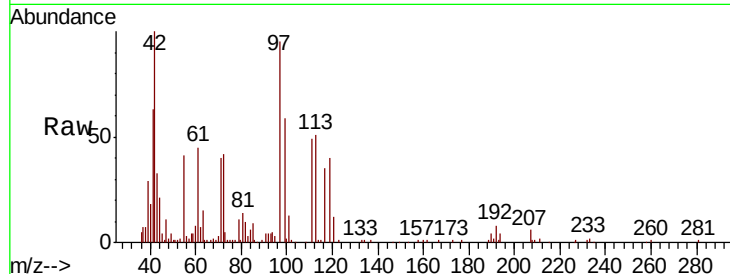




#29
Tetrahydrofuran
Concen: 89.188 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.02 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

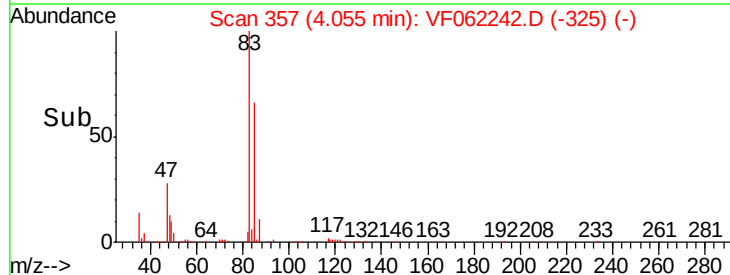
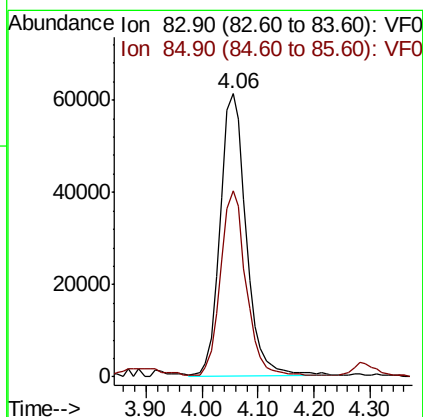
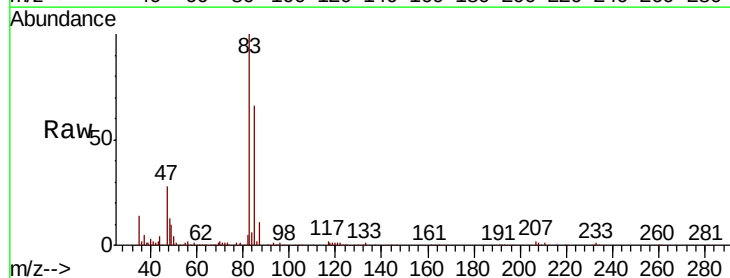
Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

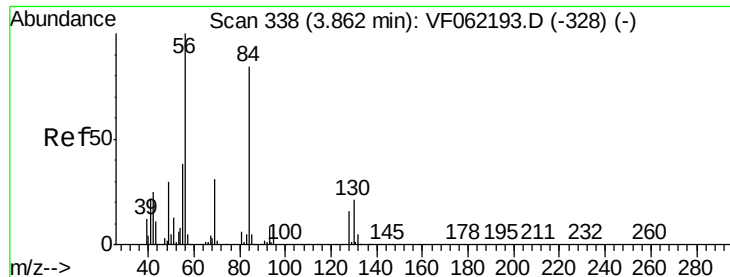
Tot Ion	Ratio	Lower	Upper
42	100		
72	35.4	28.6	43.0
71	37.3	29.2	43.8



#30
Chloroform
Concen: 20.376 ug/l
RT: 4.06 min Scan# 357
Delta R.T. 0.02 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.8	77.8

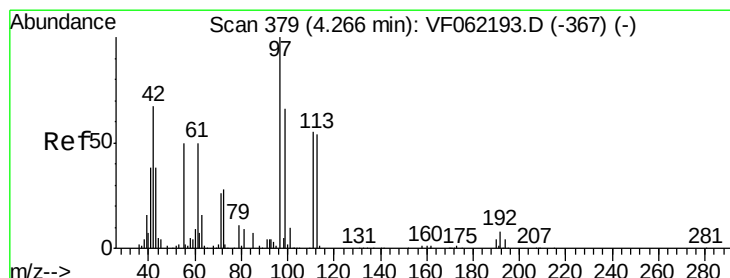
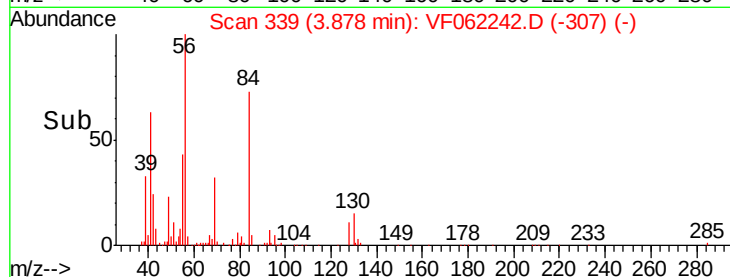
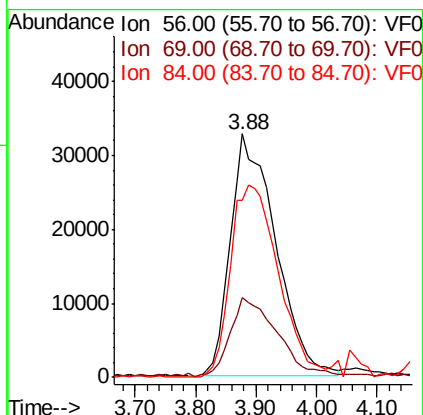
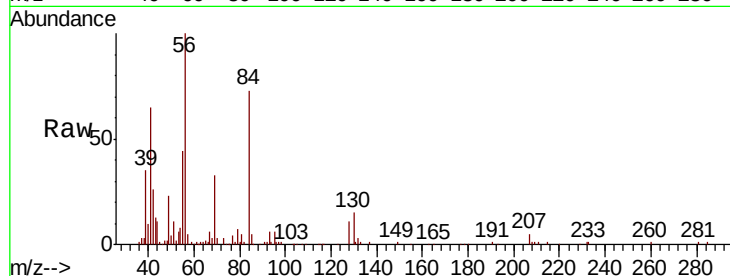




#31
Cyclohexane
Concen: 17.926 ug/l
RT: 3.88 min Scan# 339
Delta R.T. 0.02 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

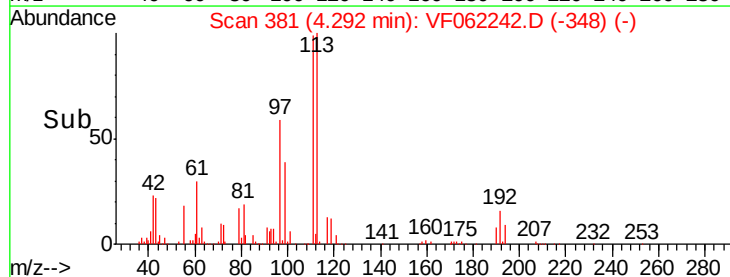
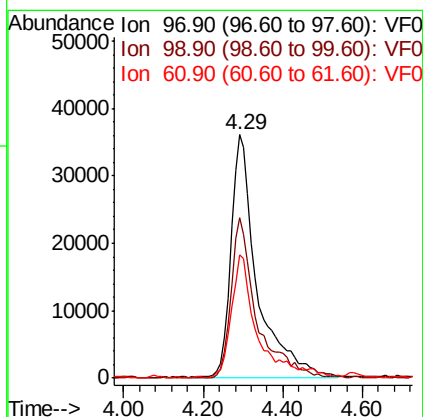
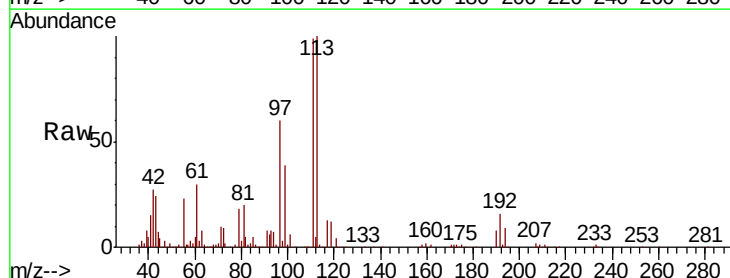
Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

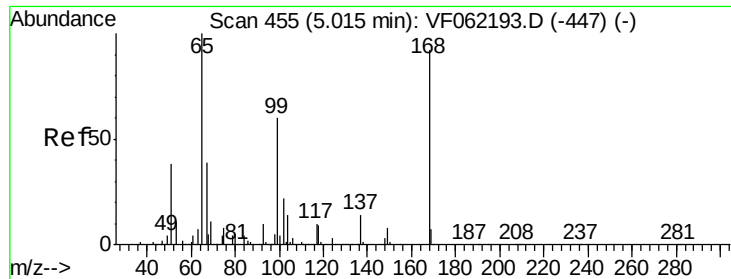
Tot Ion: 56 Resp: 170295
Ion Ratio Lower Upper
56 100
69 31.5 25.1 37.7
84 72.9 67.8 101.6



#32
1,1,1-Trichloroethane
Concen: 23.422 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.03 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Tgt Ion: 97 Resp: 167020
Ion Ratio Lower Upper
97 100
99 64.1 52.7 79.1
61 50.6 53.0 79.4#

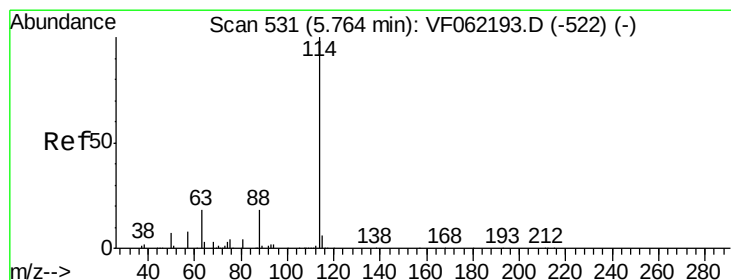
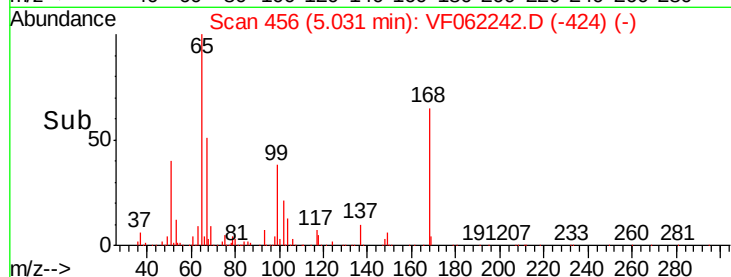
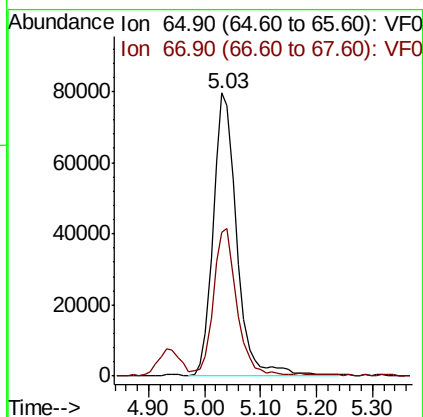
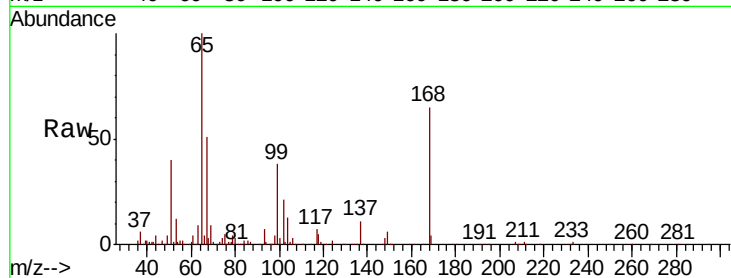




#33
 1,2-Dichloroethane-d4
 Concen: 23.422 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. 0.02 min
 Lab File: VF062242.D
 Acq: 22 Apr 2019 14:02

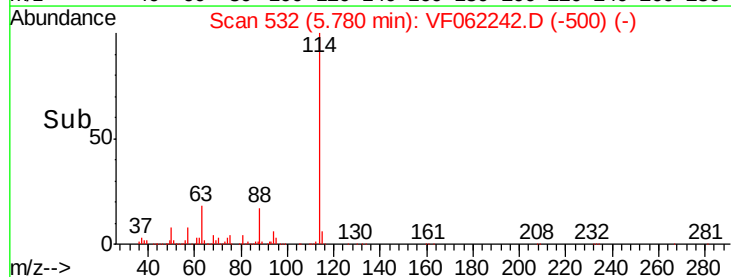
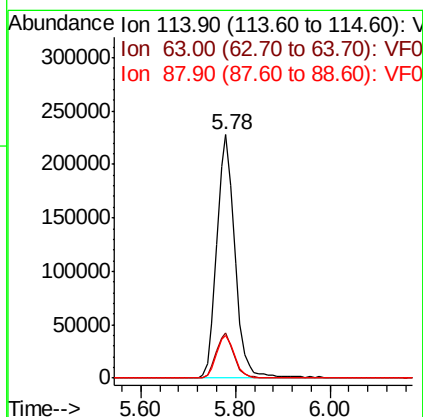
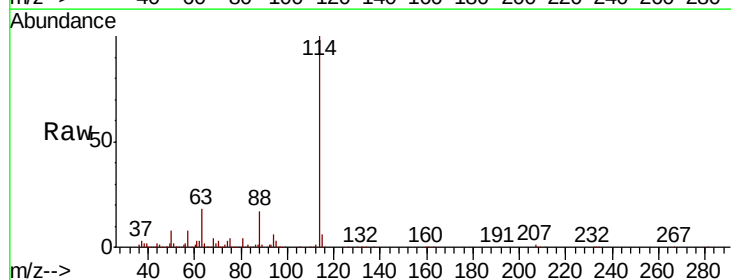
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0422SBS01

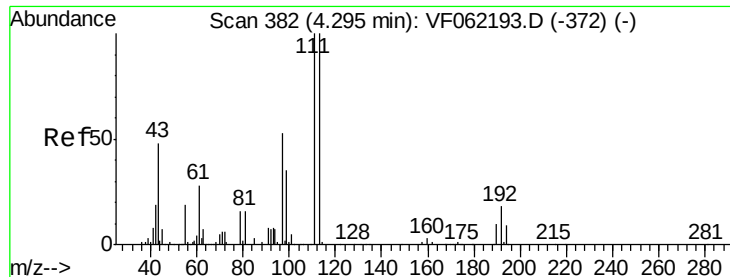
Tot Ion: 65 Resp: 233584
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. 0.02 min
 Lab File: VF062242.D
 Acq: 22 Apr 2019 14:02

Tgt Ion: 114 Resp: 604633
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 36.6
 88 17.4 0.0 35.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0422SBS01

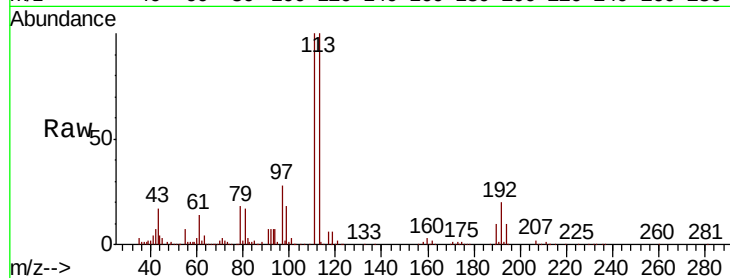
Tot Ion:113 Resp: 302367

Ion	Ratio	Lower	Upper
113	100		
111	100.3	81.1	121.7
192	19.4	14.7	22.1

113 100

111 100.3 81.1 121.7

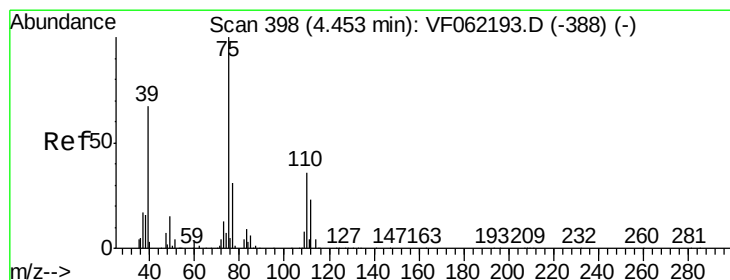
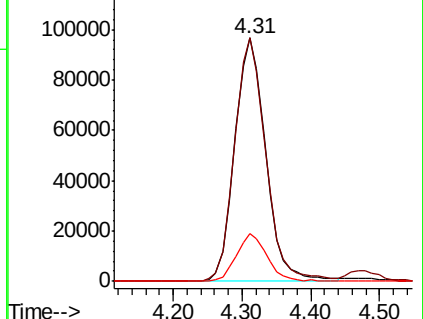
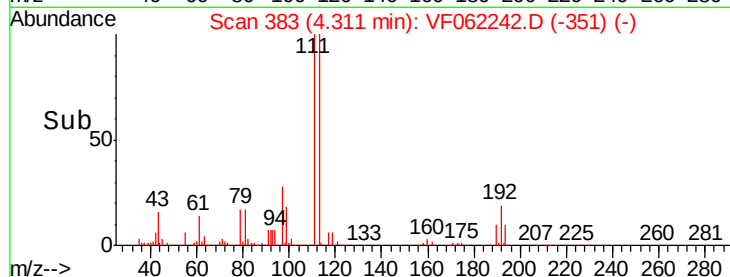
192 19.4 14.7 22.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 22.317 ug/l

RT: 4.48 min Scan# 400

Delta R.T. 0.03 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

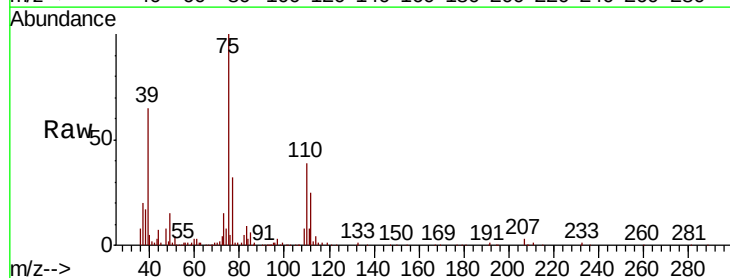
Tgt Ion: 75 Resp: 161778

Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.4	55.2
77	29.9	25.4	38.2

75 100

110 36.7 18.4 55.2

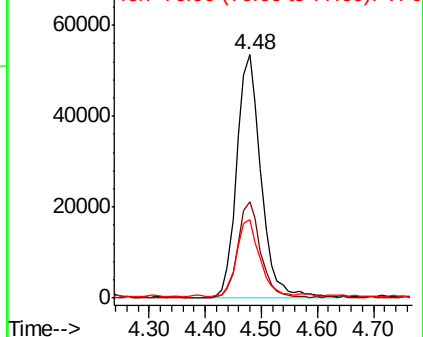
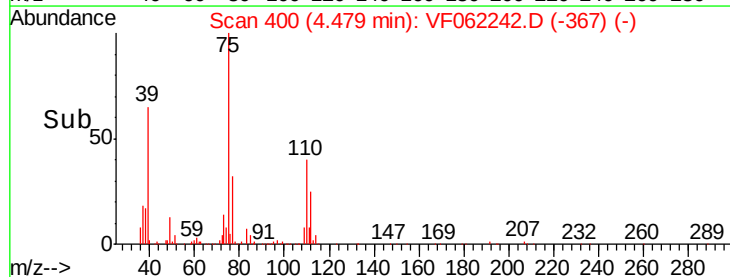
77 29.9 25.4 38.2

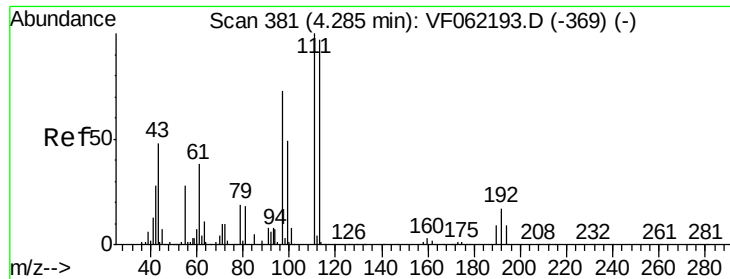


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VF0

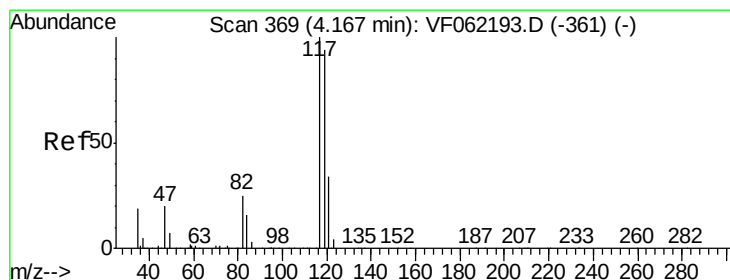
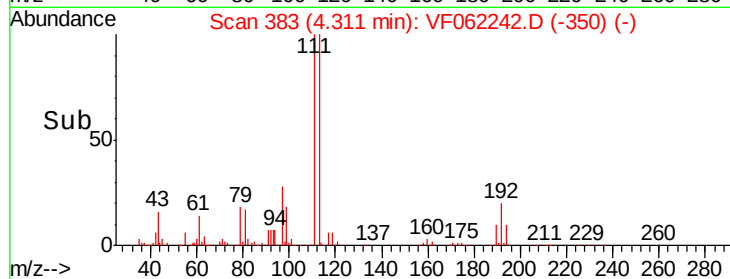
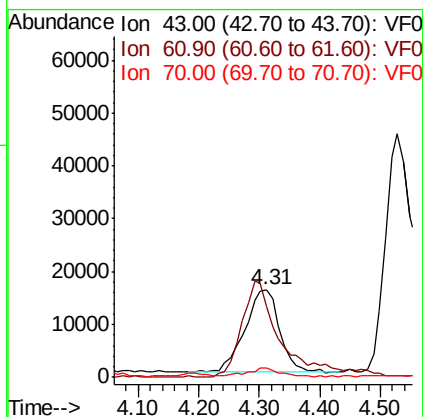
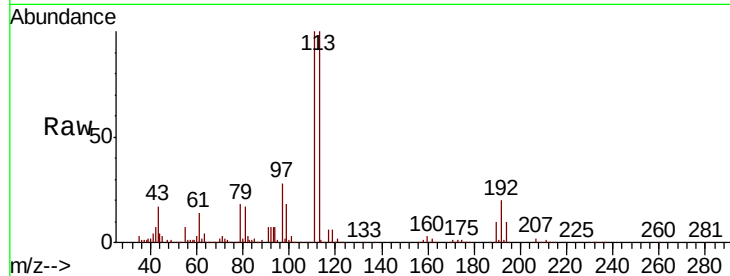




#37
Ethyl Acetate
Concen: 18.042 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.03 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

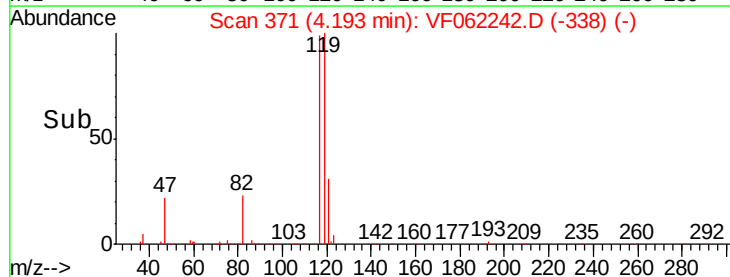
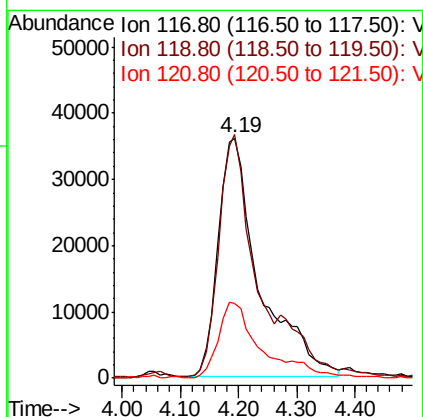
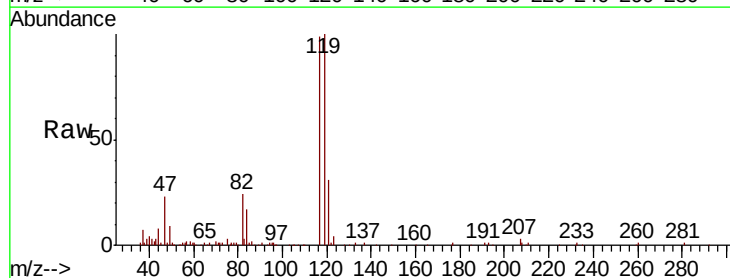
Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

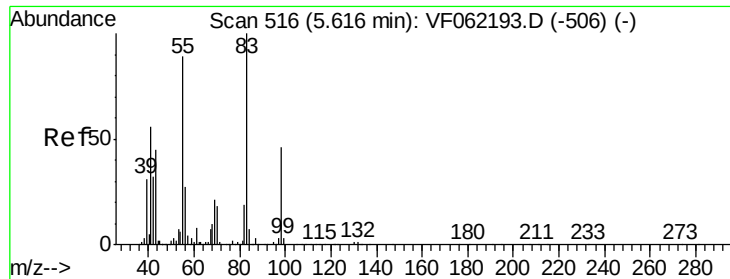
Tot Ion: 43 Resp: 61718
Ion Ratio Lower Upper
43 100
61 136.9 0.0 0.0#
70 10.1 7.8 11.6



#38
Carbon Tetrachloride
Concen: 27.905 ug/l
RT: 4.19 min Scan# 371
Delta R.T. 0.03 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Tgt Ion: 117 Resp: 179056
Ion Ratio Lower Upper
117 100
119 101.1 75.0 112.4
121 30.7 26.9 40.3





#39

Methylcyclohexane

Concen: 20.328 ug/l

RT: 5.64 min Scan# 518

Delta R.T. 0.03 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0422SBS01

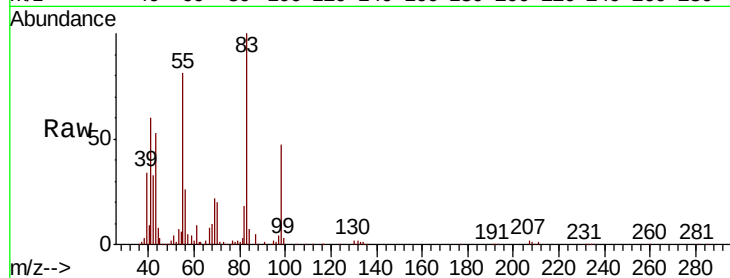
Tot Ion: 83 Resp: 176436

Ion Ratio Lower Upper

83 100

55 80.1 71.0 106.6

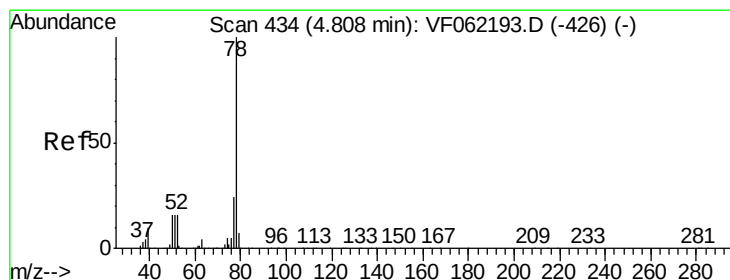
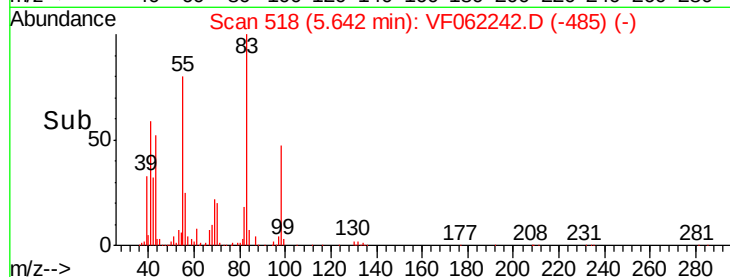
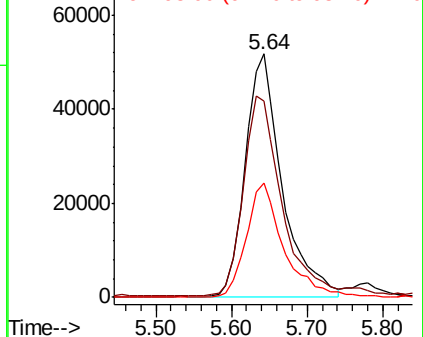
98 47.1 36.7 55.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#40

Benzene

Concen: 21.180 ug/l

RT: 4.82 min Scan# 435

Delta R.T. 0.02 min

Lab File: VF062242.D

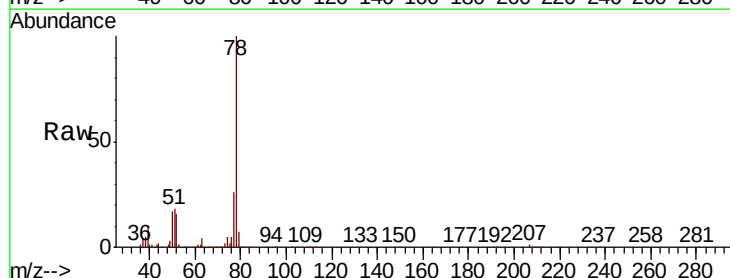
Acq: 22 Apr 2019 14:02

Tgt Ion: 78 Resp: 402725

Ion Ratio Lower Upper

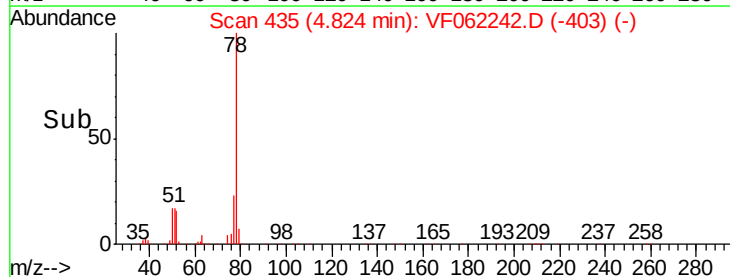
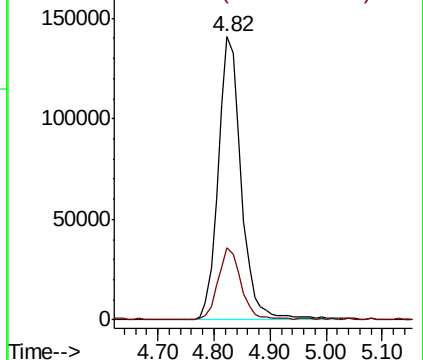
78 100

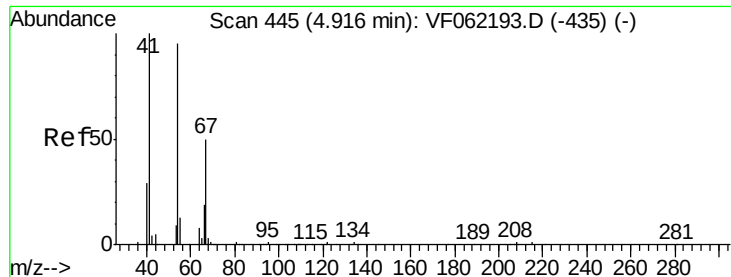
77 25.3 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

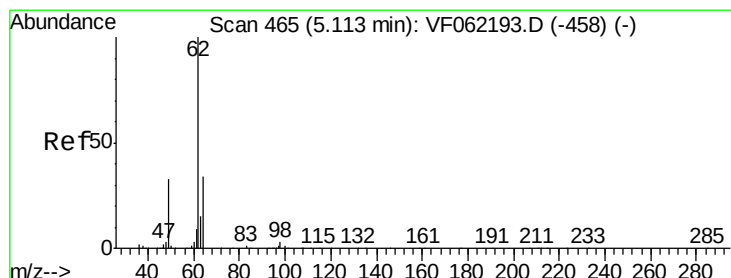
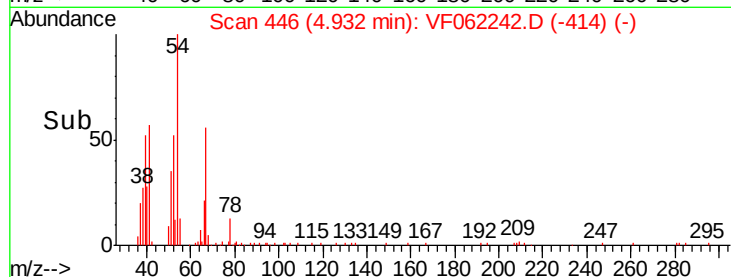
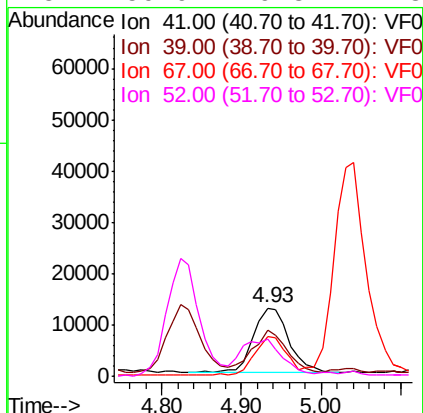
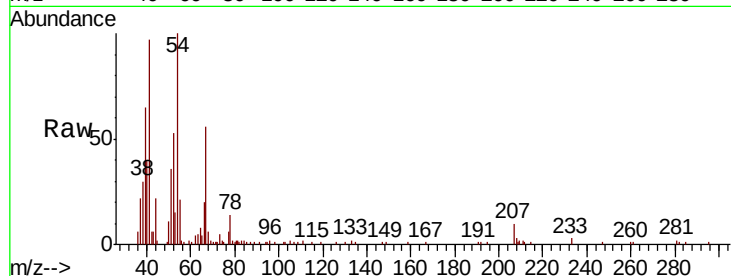




#41
Methacrylonitrile
Concen: 19.556 ug/l
RT: 4.93 min Scan# 446
Delta R.T. 0.02 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

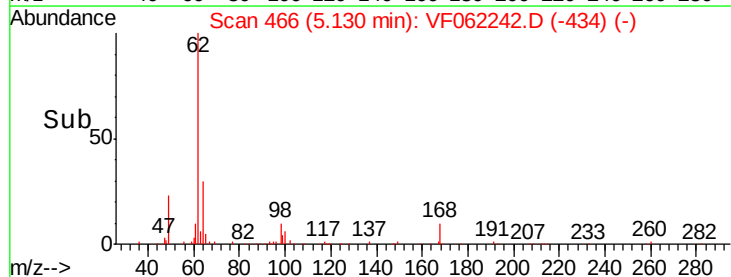
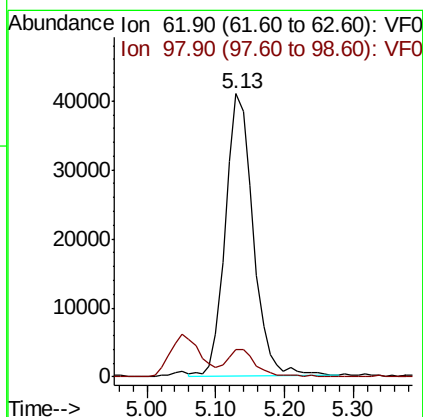
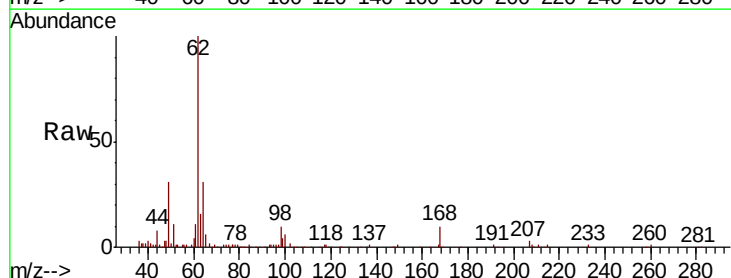
Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

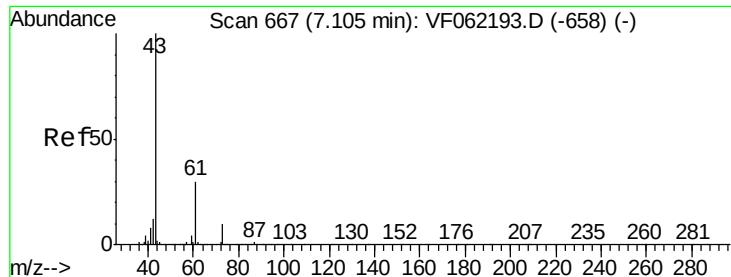
Tot Ion:	41	Resp:	38587
Ion	Ratio	Lower	Upper
41	100		
39	63.4	44.7	67.1
67	54.0	39.1	58.7
52	59.9	49.8	74.8



#42
1,2-Dichloroethane
Concen: 22.660 ug/l
RT: 5.13 min Scan# 466
Delta R.T. 0.02 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Tgt Ion:	62	Resp:	113904
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.0





#43

Isopropyl Acetate

Concen: 19.089 ug/l

RT: 7.12 min Scan# 668

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0422SBS01

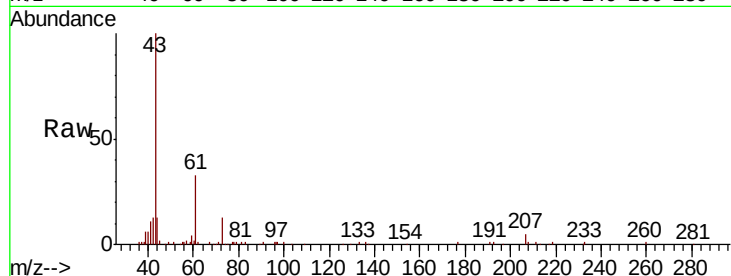
Tot Ion: 43 Resp: 68678

Ion Ratio Lower Upper

43 100

61 32.2 24.4 36.6

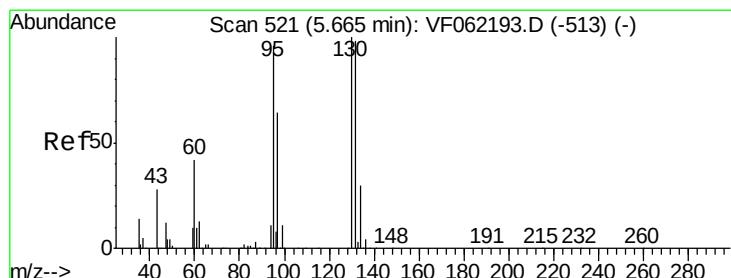
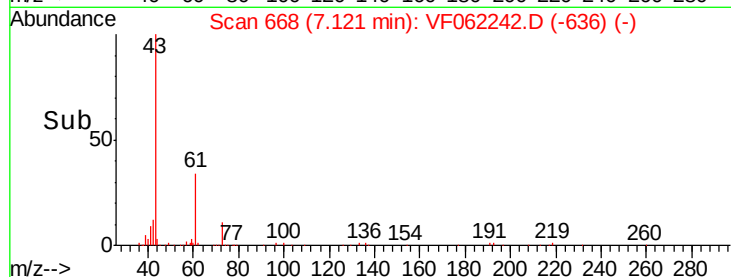
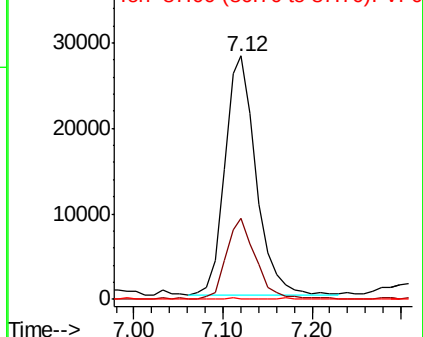
87 0.2 0.4 0.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 22.354 ug/l

RT: 5.68 min Scan# 522

Delta R.T. 0.02 min

Lab File: VF062242.D

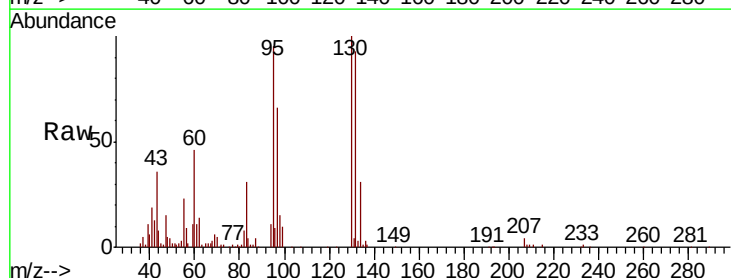
Acq: 22 Apr 2019 14:02

Tgt Ion:130 Resp: 114855

Ion Ratio Lower Upper

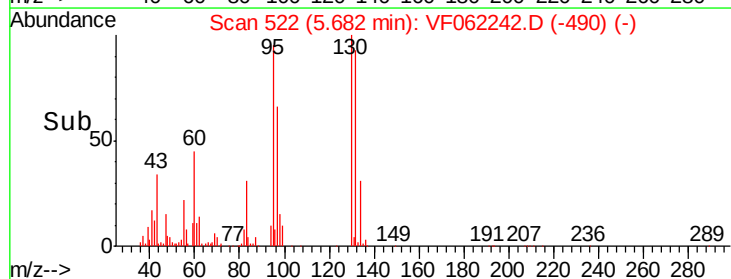
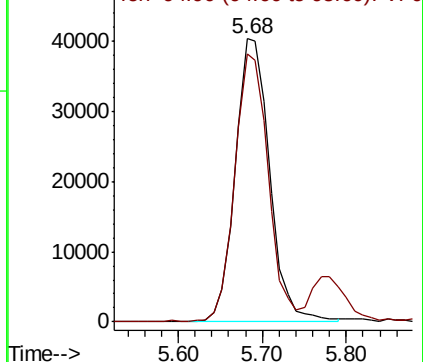
130 100

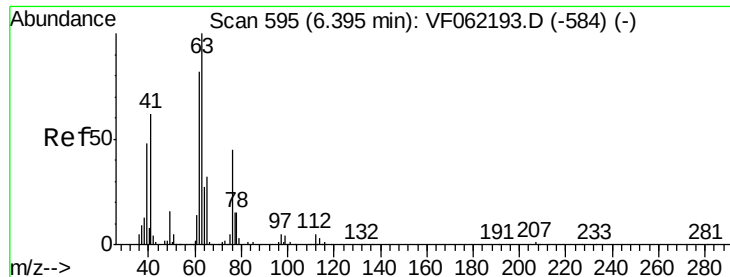
95 94.6 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 20.136 ug/l

RT: 6.41 min Scan# 596

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

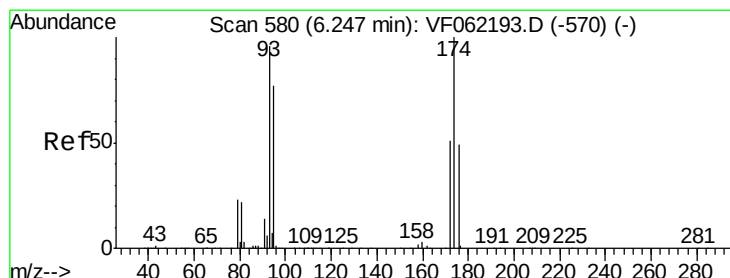
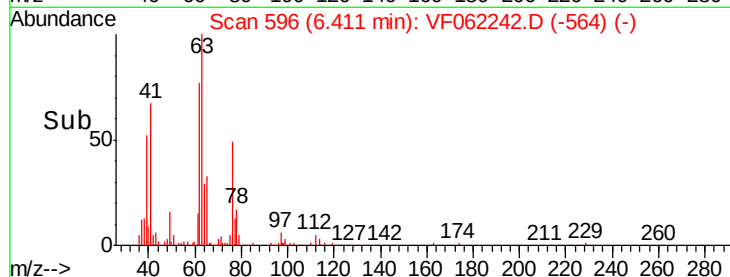
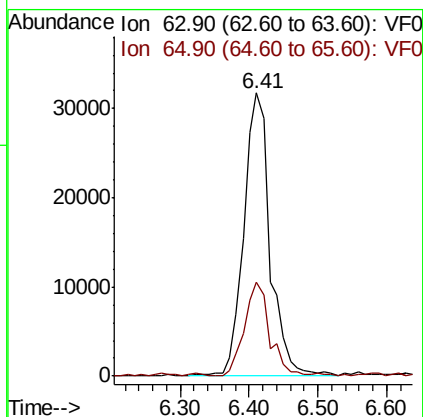
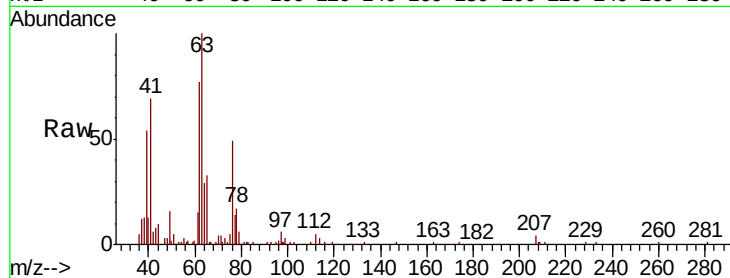
VF0422SBS01

Tot Ion: 63 Resp: 84335

Ion Ratio Lower Upper

63 100

65 32.8 25.9 38.9



#46

Dibromomethane

Concen: 21.310 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

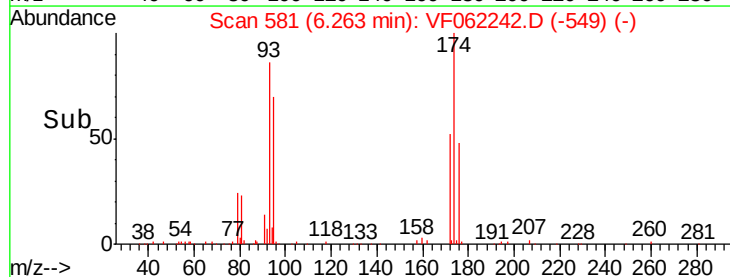
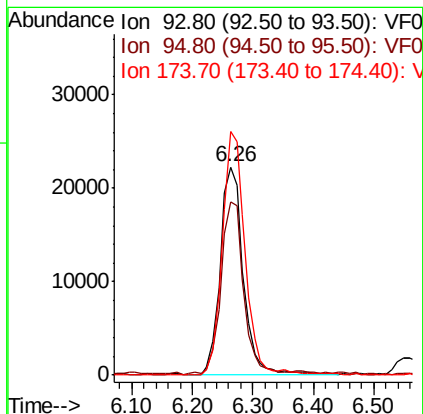
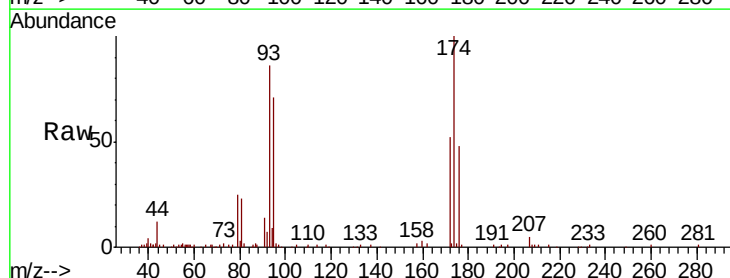
Tgt Ion: 93 Resp: 59384

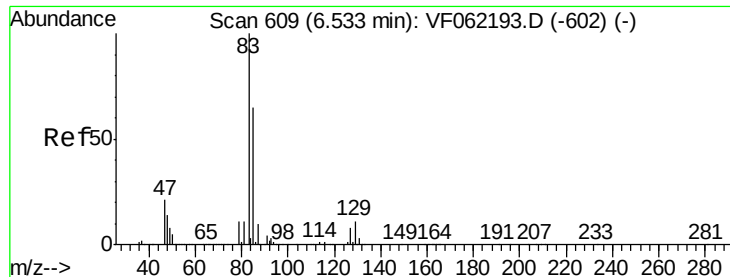
Ion Ratio Lower Upper

93 100

95 82.4 65.1 97.7

174 114.5 81.8 122.6

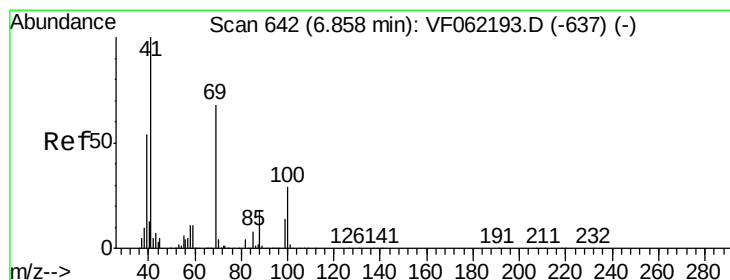
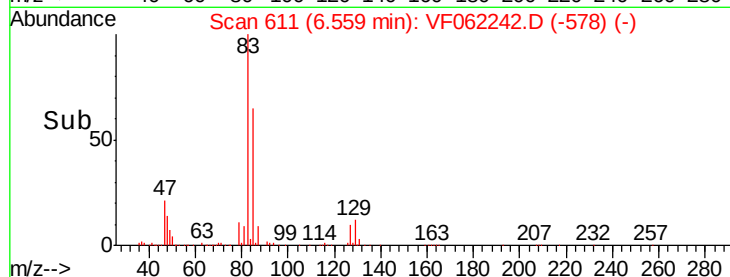
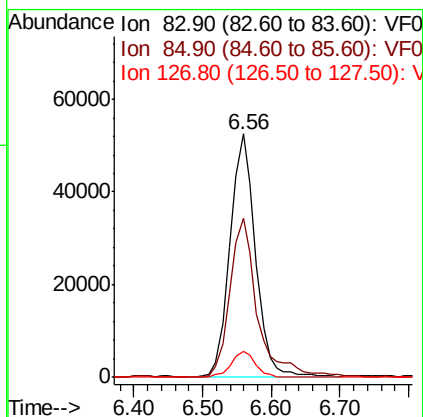
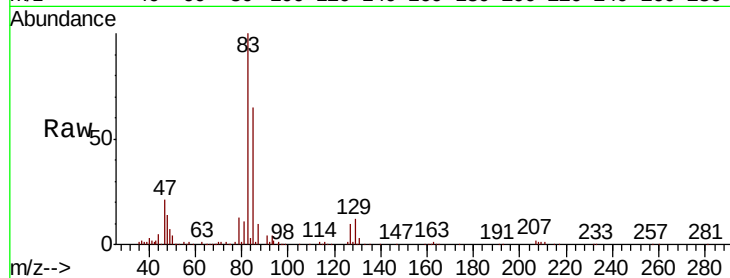




#47
Bromodichloromethane
Concen: 21.456 ug/l
RT: 6.56 min Scan# 611
Delta R.T. 0.03 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

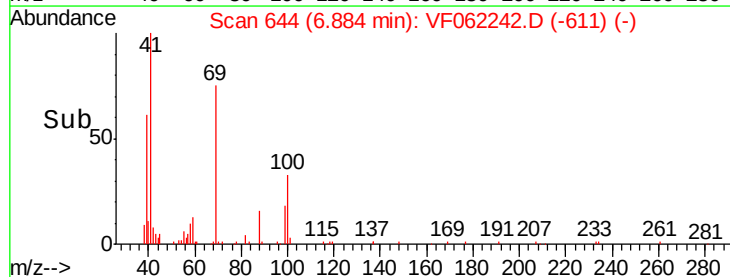
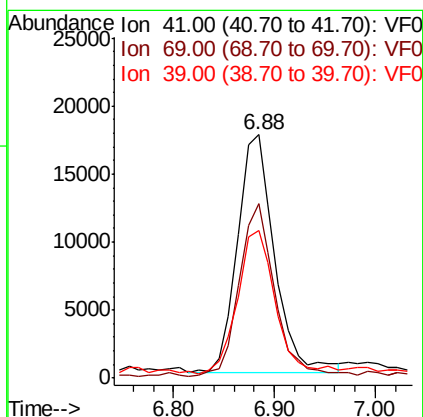
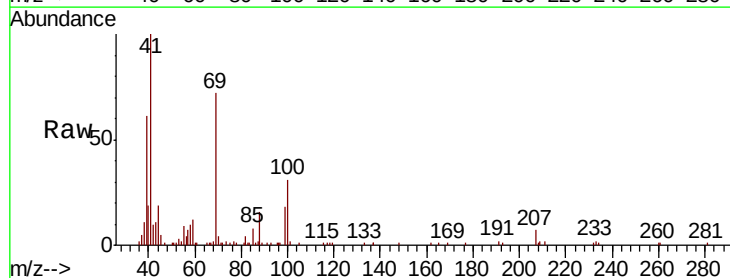
Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

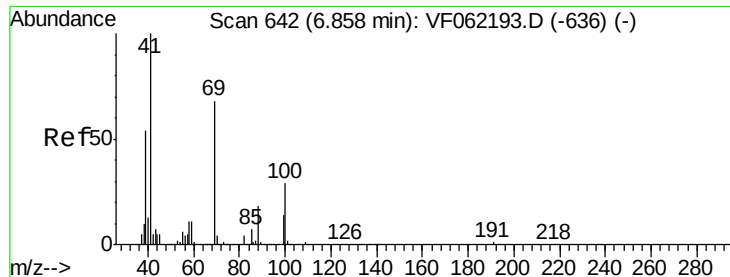
Tot Ion: 83 Resp: 134924
Ion Ratio Lower Upper
83 100
85 65.3 52.2 78.4
127 10.5 6.7 10.1#



#48
Methyl methacrylate
Concen: 19.154 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.03 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Tgt Ion: 41 Resp: 45289
Ion Ratio Lower Upper
41 100
69 68.5 54.9 82.3
39 59.7 43.6 65.4





#49

1,4-Dioxane

Concen: 377.854 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0422SBS01

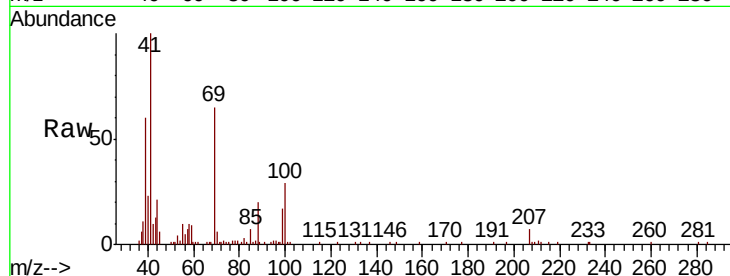
Tot Ion: 88 Resp: 10246

Ion Ratio Lower Upper

88 100

43 50.1 36.9 55.3

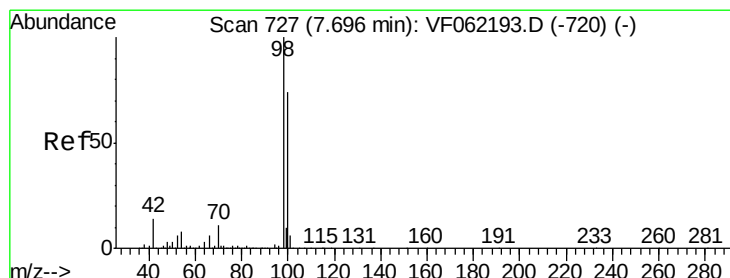
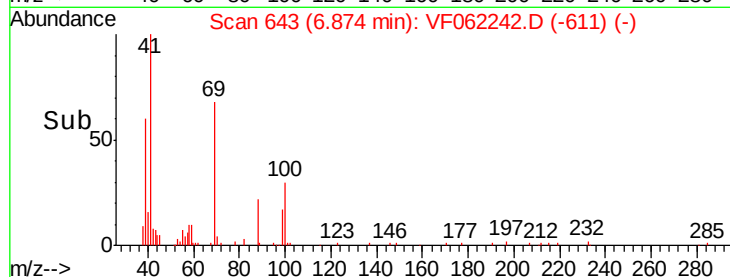
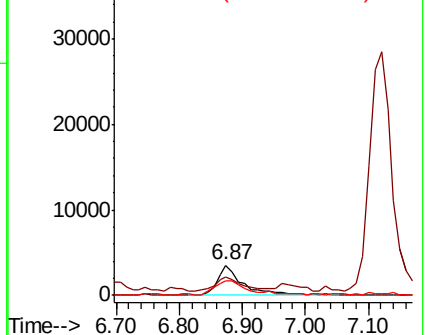
58 59.4 56.8 85.2



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: 377.854 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.02 min

Lab File: VF062242.D

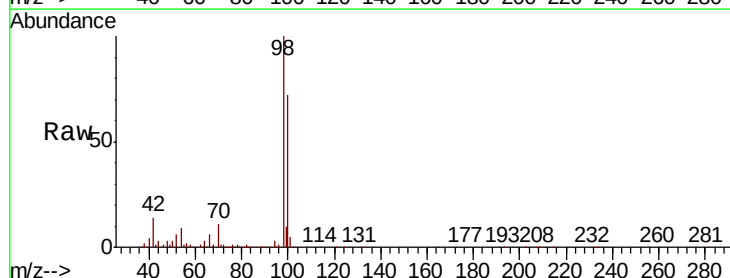
Acq: 22 Apr 2019 14:02

Tgt Ion: 98 Resp: 771289

Ion Ratio Lower Upper

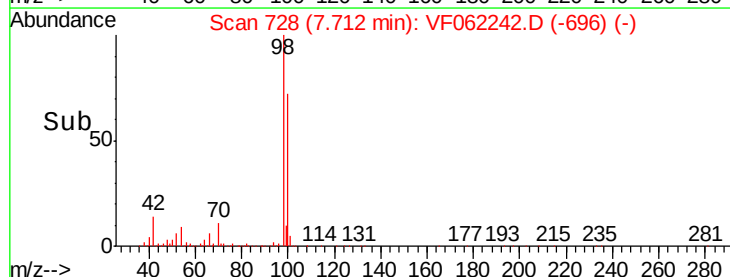
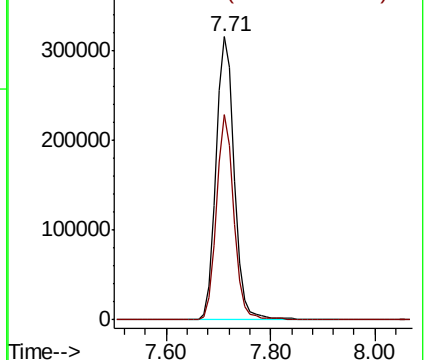
98 100

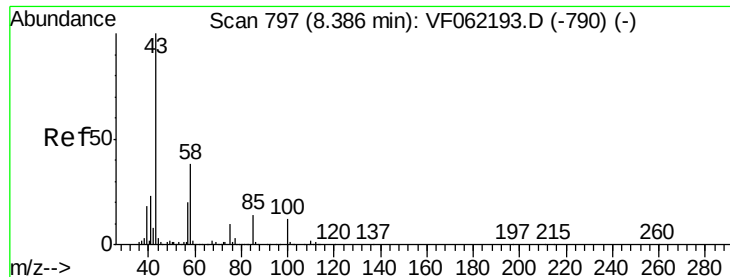
100 68.7 56.2 84.2



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: 105.425 ug/l

RT: 8.40 min Scan# 798

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

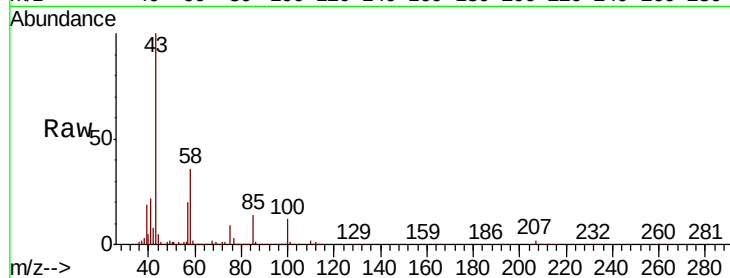
VF0422SBS01

Tot Ion: 43 Resp: 282117

Ion Ratio Lower Upper

43 100

58 38.1 29.3 43.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.40

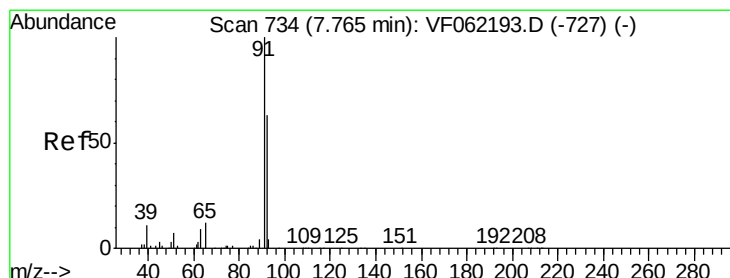
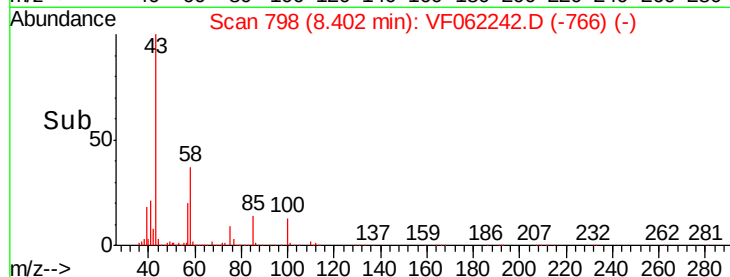
100000

50000

0

8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 21.796 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.02 min

Lab File: VF062242.D

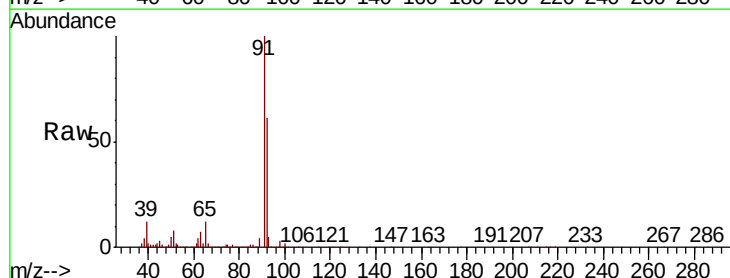
Acq: 22 Apr 2019 14:02

Tgt Ion: 92 Resp: 218462

Ion Ratio Lower Upper

92 100

91 168.5 130.1 195.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

150000

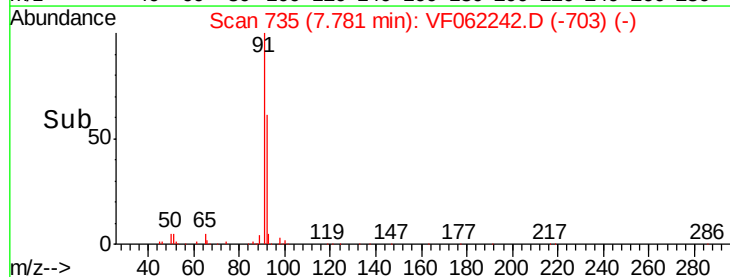
100000

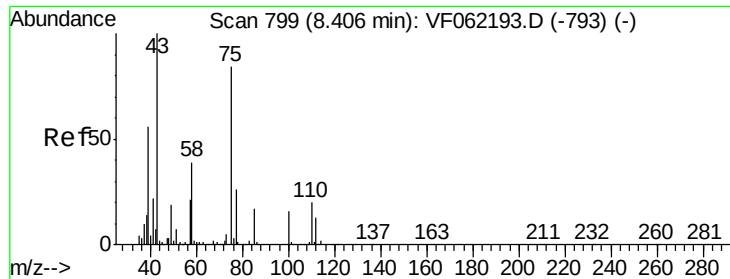
50000

0

7.60 7.70 7.80 7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 24.694 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

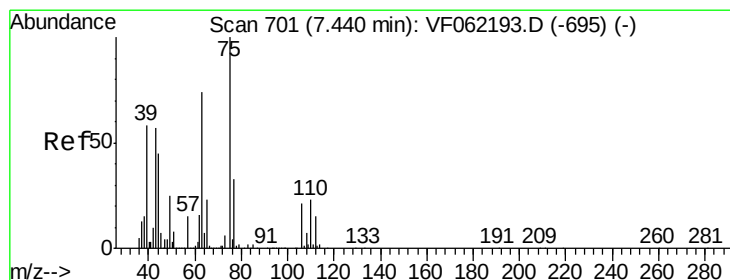
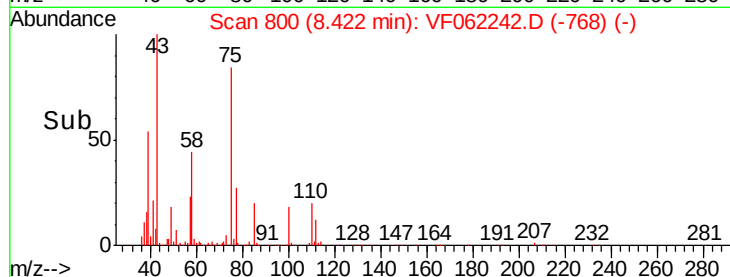
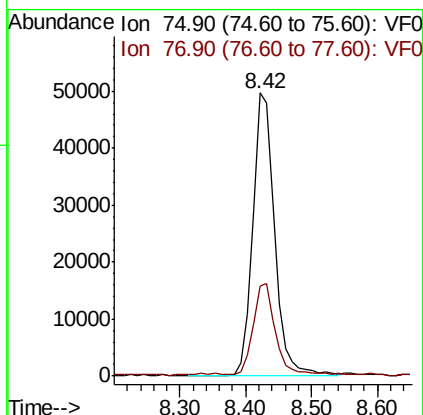
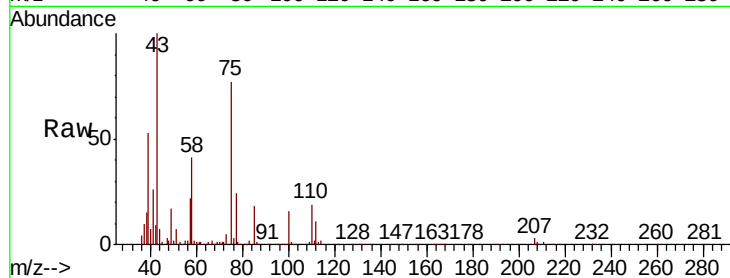
VF0422SBS01

Tot Ion: 75 Resp: 116635

Ion Ratio Lower Upper

75 100

77 31.0 24.6 36.8



#54

cis-1,3-Dichloropropene

Concen: 23.322 ug/l

RT: 7.47 min Scan# 703

Delta R.T. 0.03 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

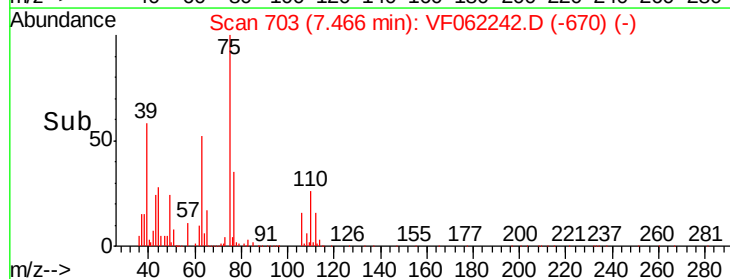
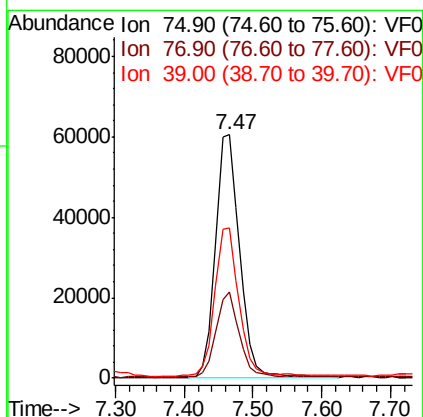
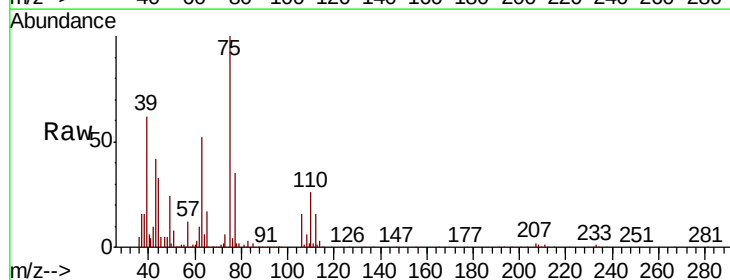
Tgt Ion: 75 Resp: 149000

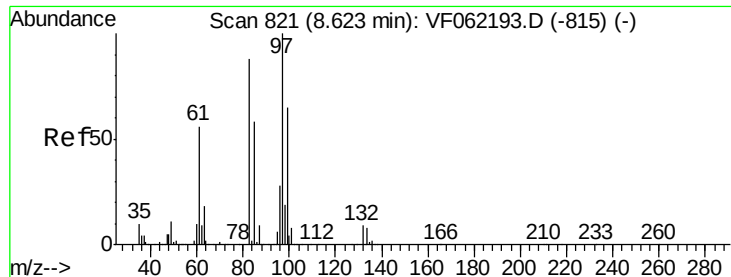
Ion Ratio Lower Upper

75 100

77 34.5 26.4 39.6

39 60.5 46.7 70.1





#55

1,1,2-Trichloroethane

Concen: 24.725 ug/l

RT: 8.64 min Scan# 822

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0422SBS01

Tot Ion: 97 Resp: 69425

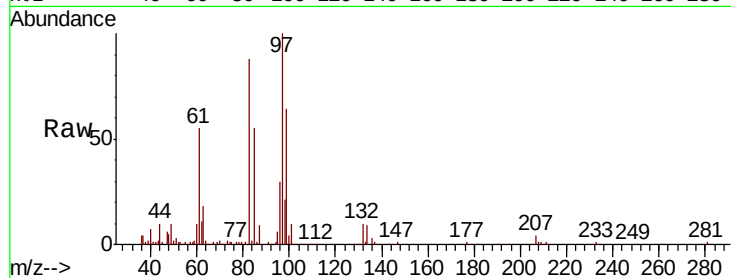
Ion Ratio Lower Upper

97 100

83 87.9 70.2 105.2

85 54.3 46.2 69.4

99 63.8 52.2 78.4

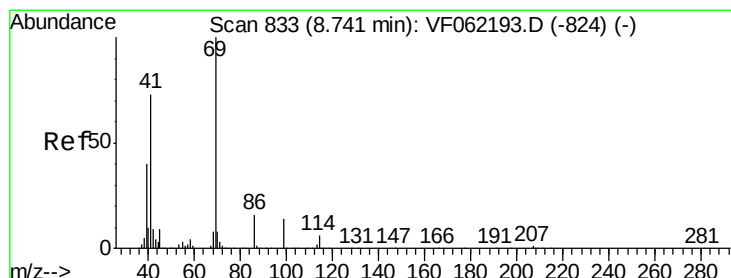
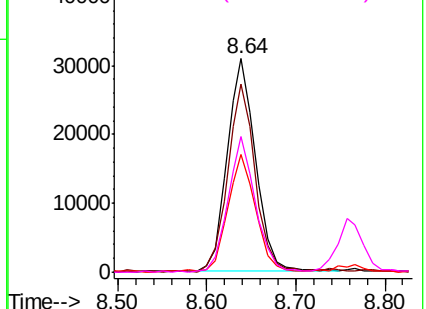
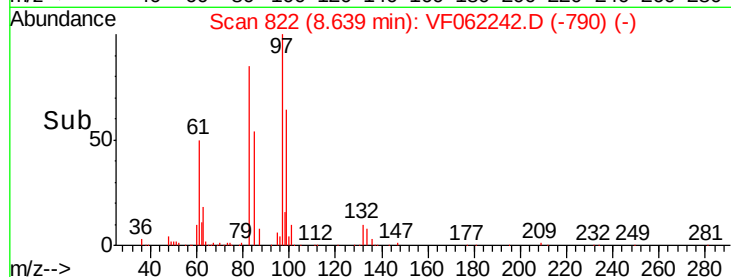


Abundance Ion 96.90 (96.60 to 97.60): VF0

Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 98.90 (98.60 to 99.60): VF0



#56

Ethyl methacrylate

Concen: 21.366 ug/l

RT: 8.76 min Scan# 834

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

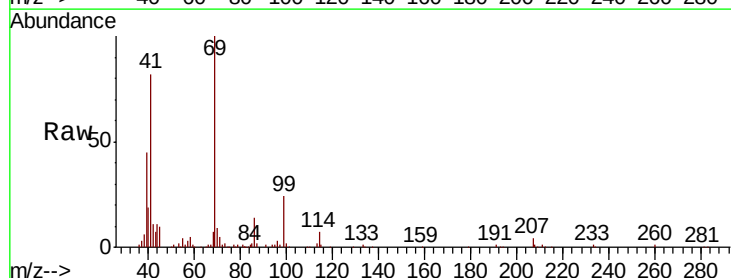
Tgt Ion: 69 Resp: 68207

Ion Ratio Lower Upper

69 100

41 80.5 61.5 92.3

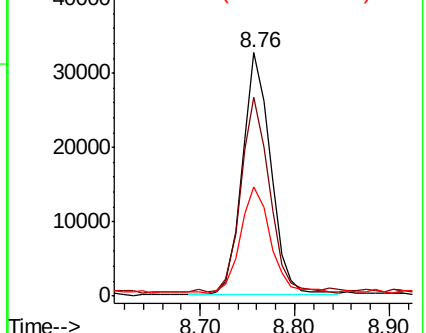
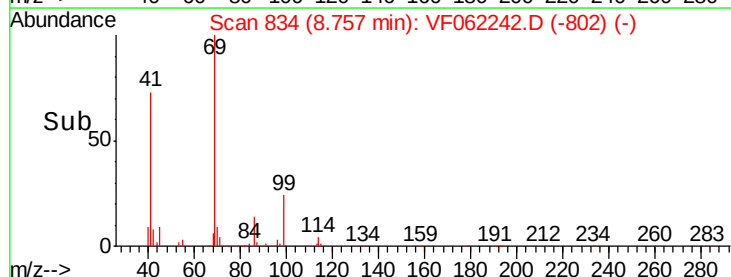
39 47.8 33.3 49.9

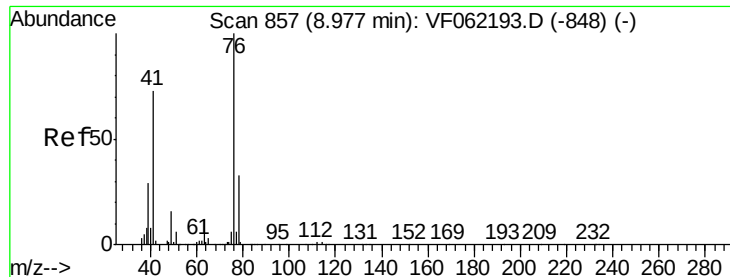


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 21.948 ug/l

RT: 8.99 min Scan# 858

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

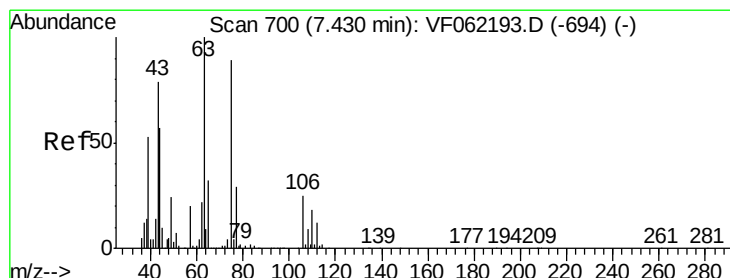
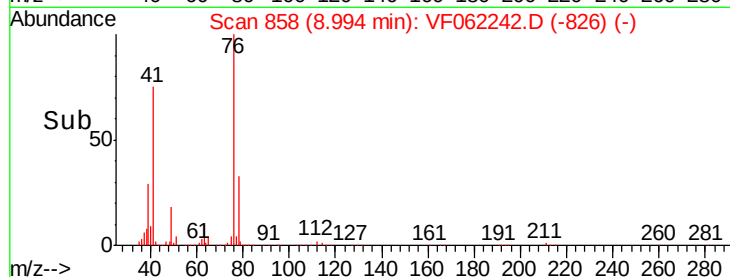
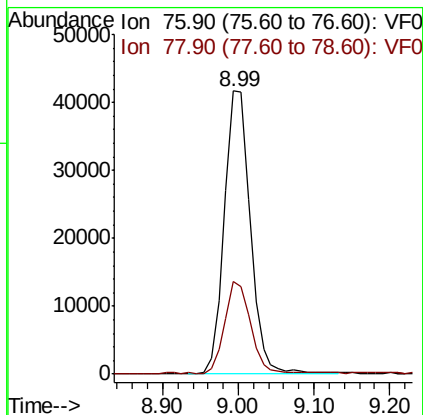
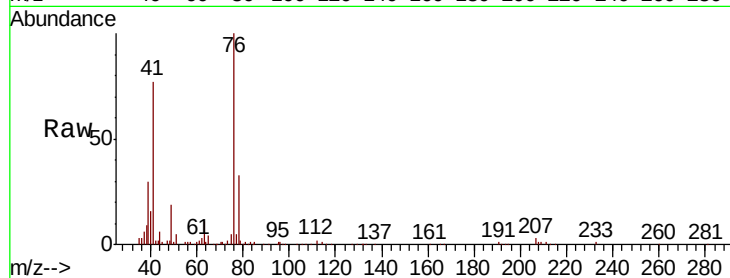
VF0422SBS01

Tot Ion: 76 Resp: 99512

Ion Ratio Lower Upper

76 100

78 32.7 26.5 39.7



#58

2-Chloroethyl Vinyl ether

Concen: 110.077 ug/l

RT: 7.46 min Scan# 702

Delta R.T. 0.03 min

Lab File: VF062242.D

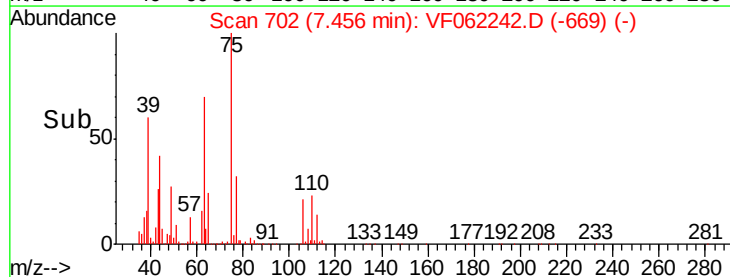
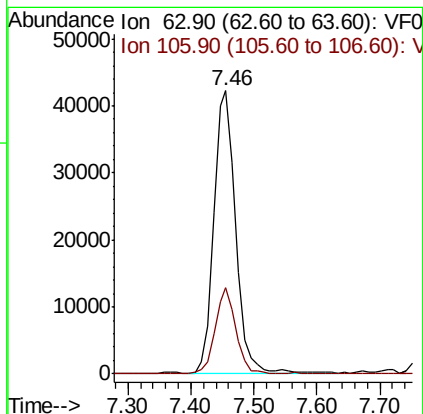
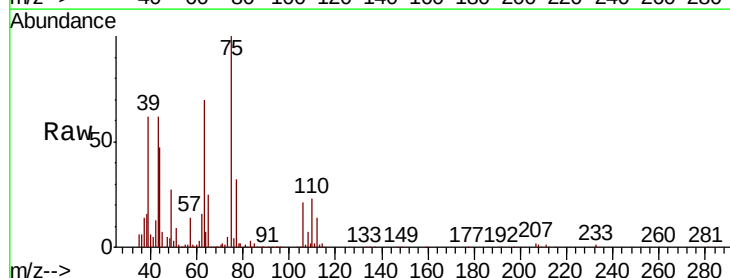
Acq: 22 Apr 2019 14:02

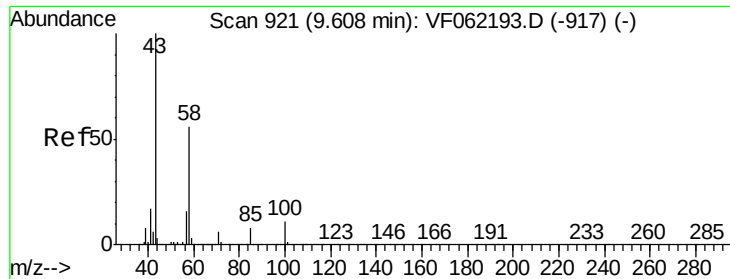
Tgt Ion: 63 Resp: 102025

Ion Ratio Lower Upper

63 100

106 29.1 21.4 32.0

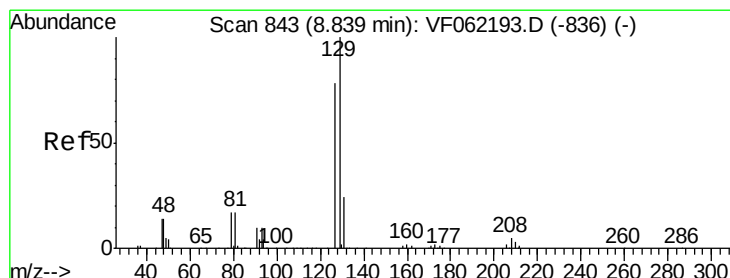
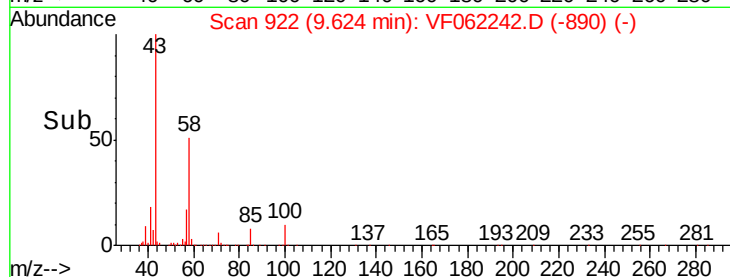
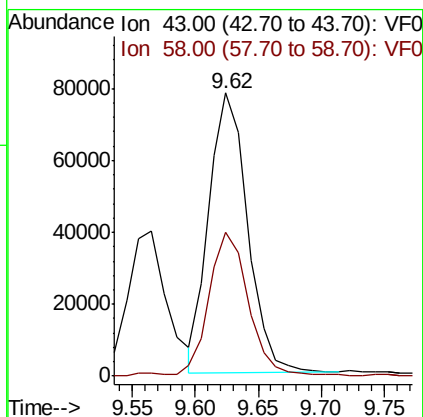
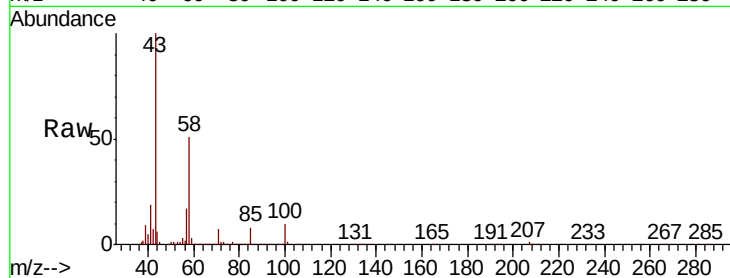




#59
2-Hexanone
Concen: 99.226 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.02 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

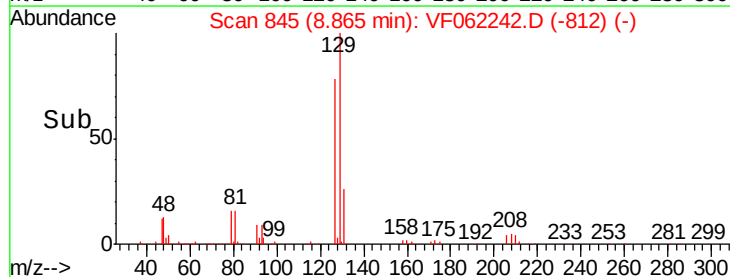
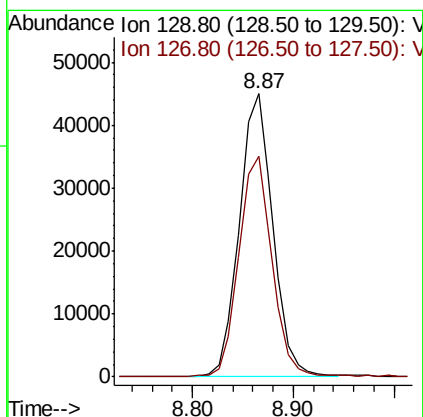
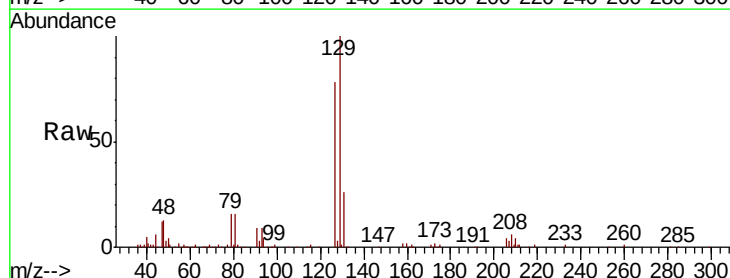
Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

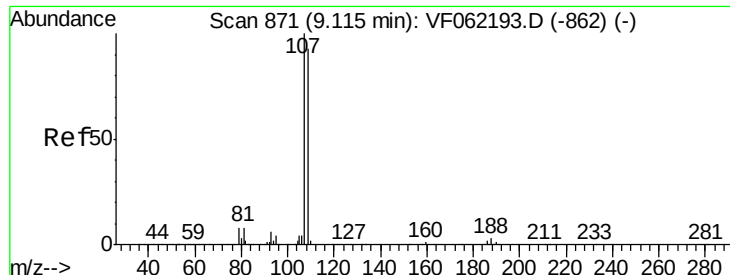
Tot Ion: 43 Resp: 165445
Ion Ratio Lower Upper
43 100
58 54.1 24.6 74.0



#60
Dibromochloromethane
Concen: 24.938 ug/l
RT: 8.87 min Scan# 845
Delta R.T. 0.03 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Tgt Ion: 129 Resp: 104135
Ion Ratio Lower Upper
129 100
127 77.8 39.0 117.0





#61

1,2-Dibromoethane

Concen: 23.470 ug/l

RT: 9.13 min Scan# 872

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

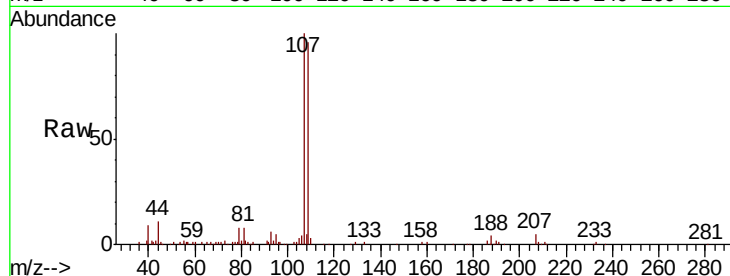
VF0422SBS01

Tot Ion:107 Resp: 74244

Ion Ratio Lower Upper

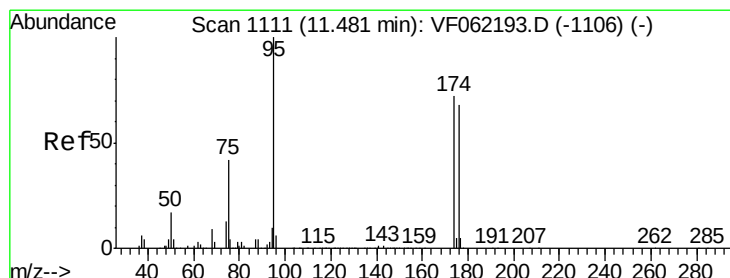
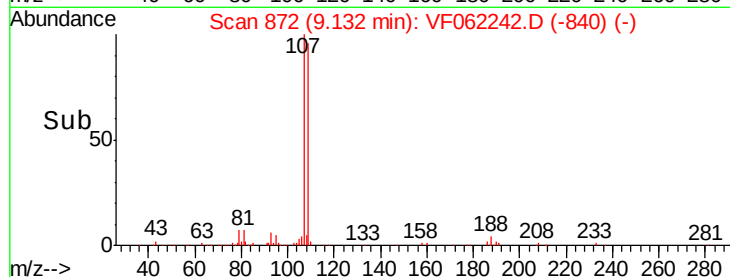
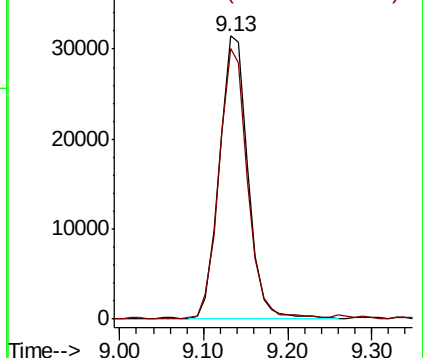
107 100

109 95.8 74.3 111.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 23.470 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

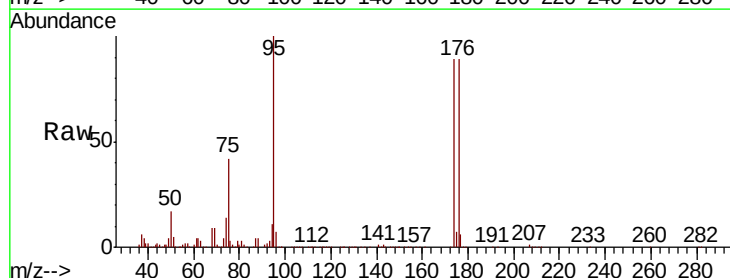
Tgt Ion: 95 Resp: 300103

Ion Ratio Lower Upper

95 100

174 87.5 0.0 159.4

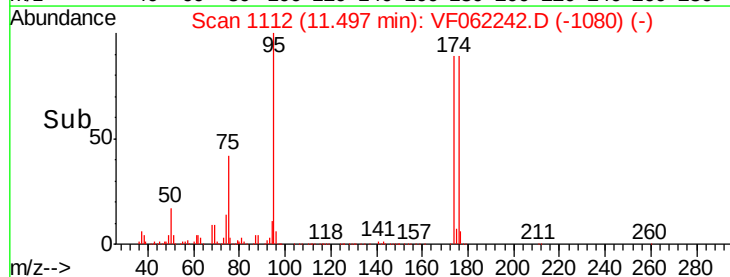
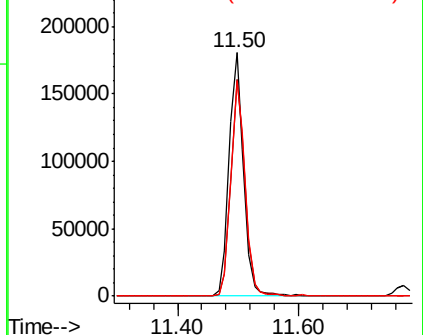
176 87.7 0.0 155.4

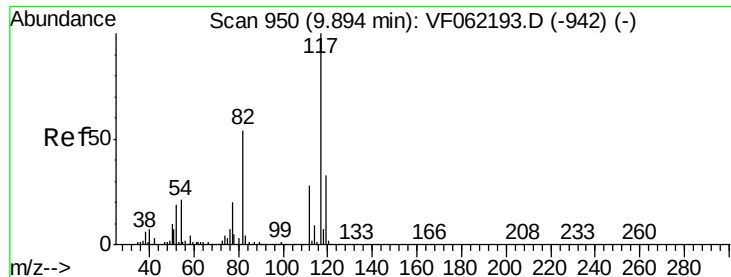


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 951

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0422SBS01

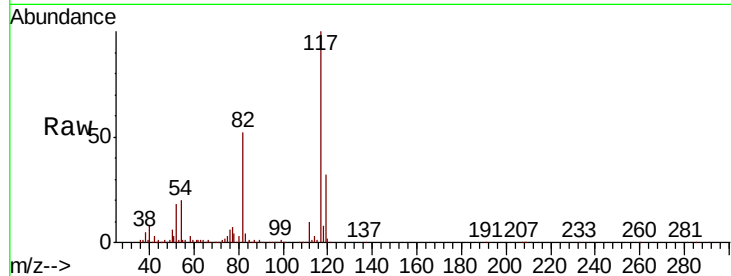
Tot Ion:117 Resp: 487737

Ion Ratio Lower Upper

117 100

82 52.2 43.2 64.8

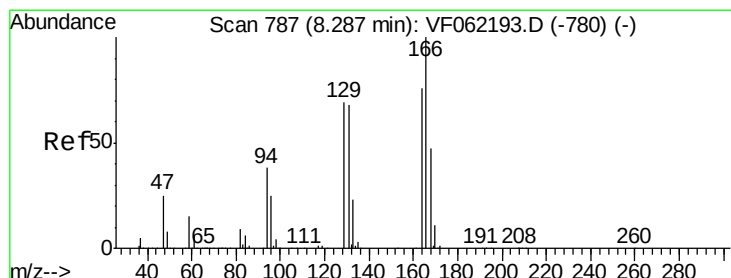
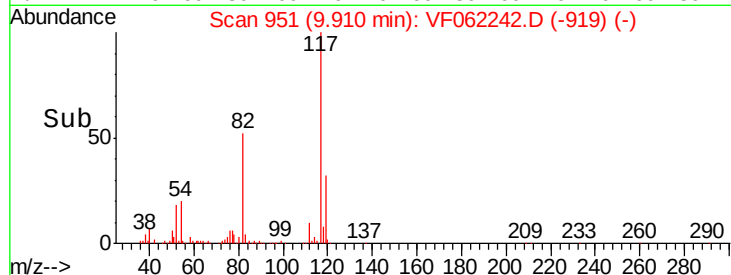
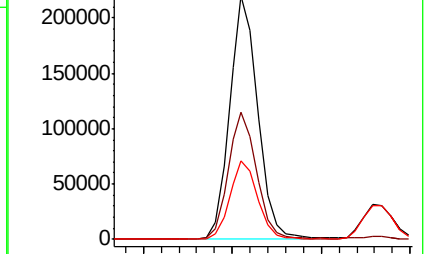
119 32.4 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 23.950 ug/l

RT: 8.31 min Scan# 789

Delta R.T. 0.03 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Tgt Ion:164 Resp: 105448

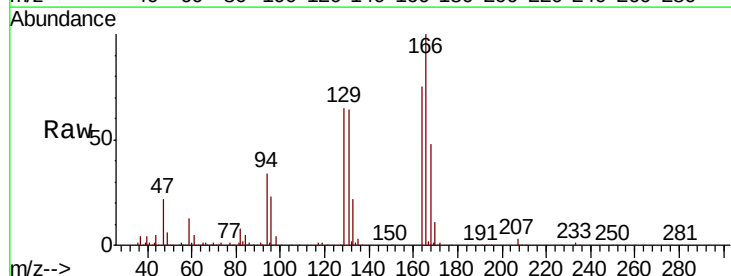
Ion Ratio Lower Upper

164 100

166 133.3 104.7 157.1

129 87.1 72.6 109.0

131 85.4 71.6 107.4

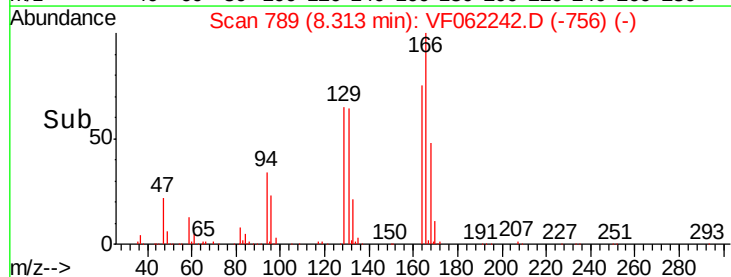
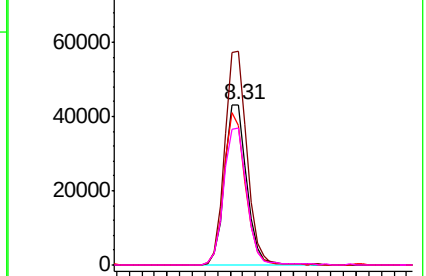


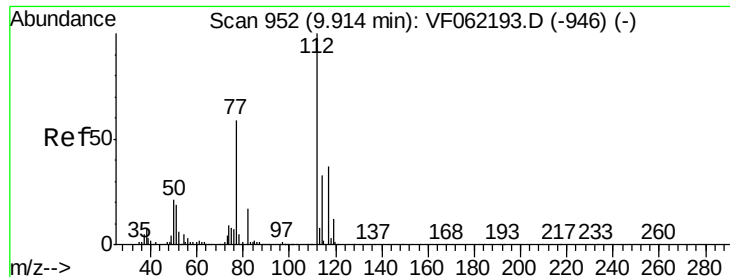
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

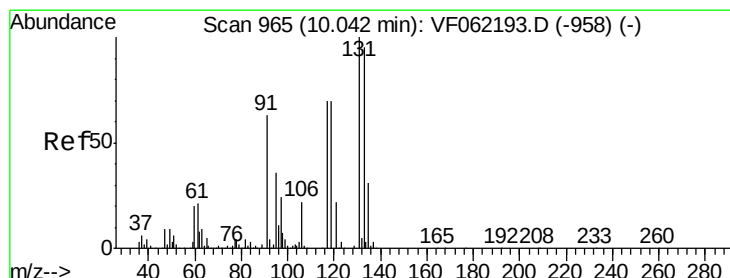
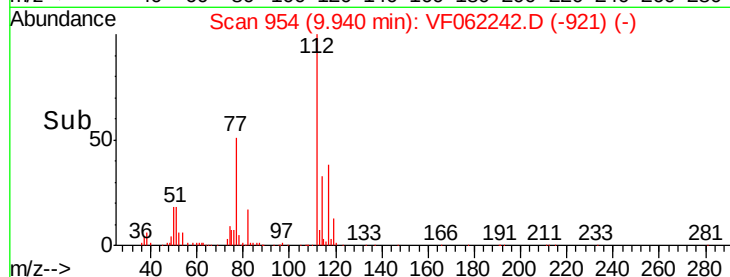
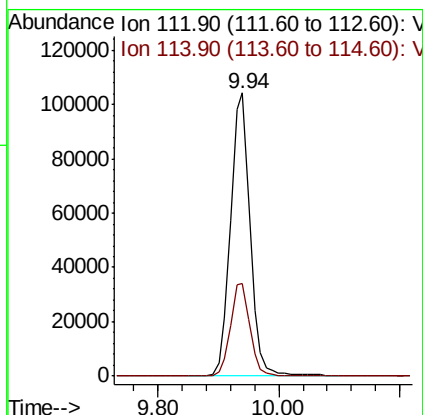
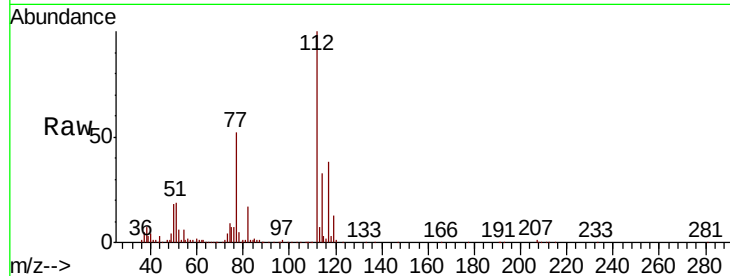




#65
Chlorobenzene
Concen: 22.470 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.03 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

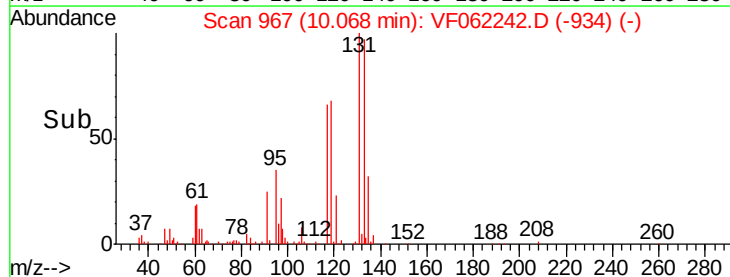
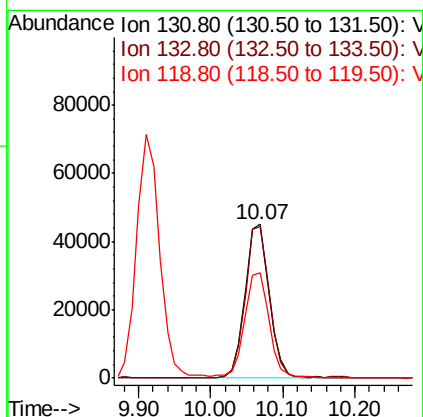
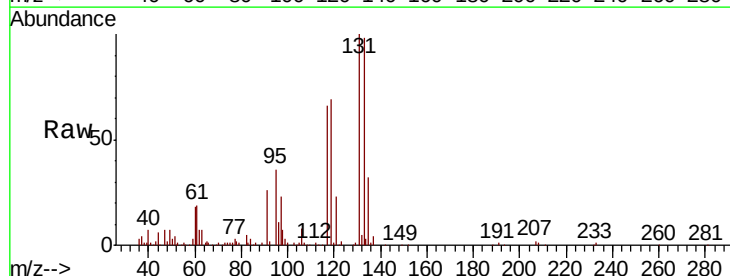
Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

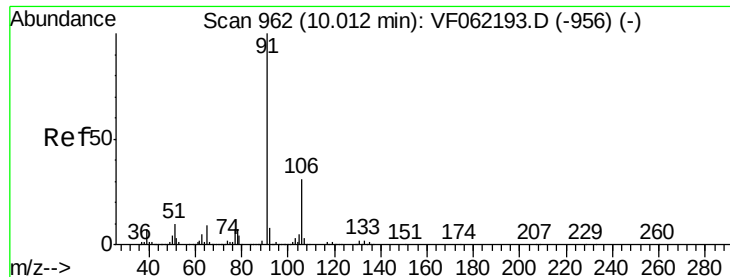
Tot Ion:112 Resp: 233689
Ion Ratio Lower Upper
112 100
114 32.7 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 21.936 ug/l
RT: 10.07 min Scan# 967
Delta R.T. 0.03 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Tgt Ion:131 Resp: 106834
Ion Ratio Lower Upper
131 100
133 97.1 47.7 143.1
119 69.1 34.6 103.9





#67

Ethyl Benzene

Concen: 22.006 ug/l

RT: 10.03 min Scan# 963

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

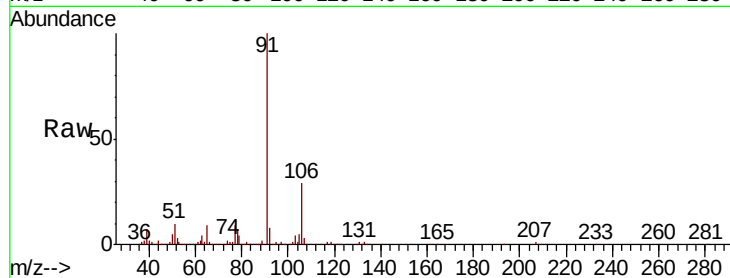
VF0422SBS01

Tot Ion: 91 Resp: 416160

Ion Ratio Lower Upper

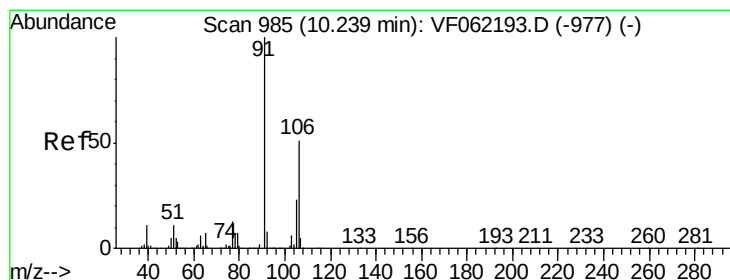
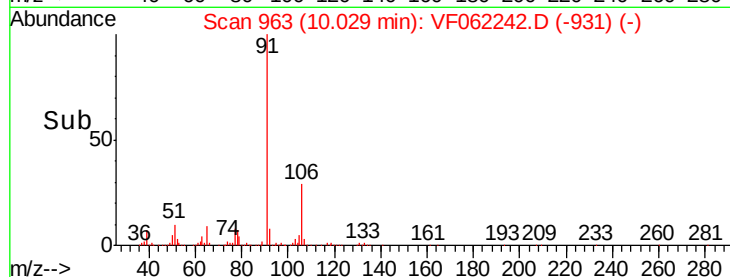
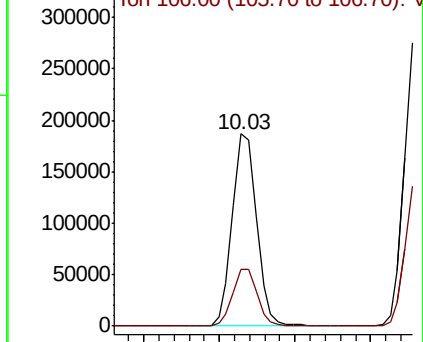
91 100

106 29.5 24.9 37.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 44.552 ug/l

RT: 10.27 min Scan# 987

Delta R.T. 0.03 min

Lab File: VF062242.D

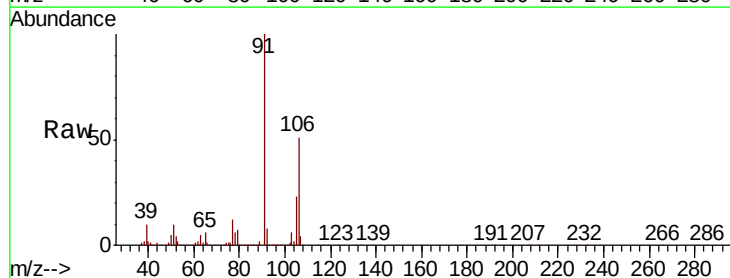
Acq: 22 Apr 2019 14:02

Tgt Ion: 106 Resp: 310153

Ion Ratio Lower Upper

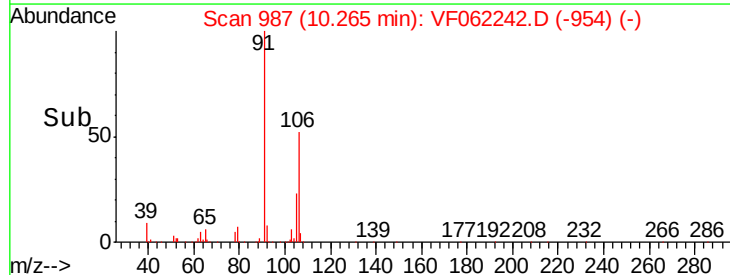
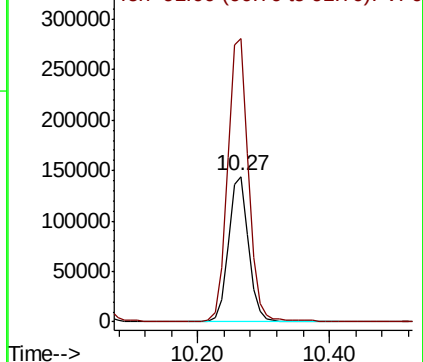
106 100

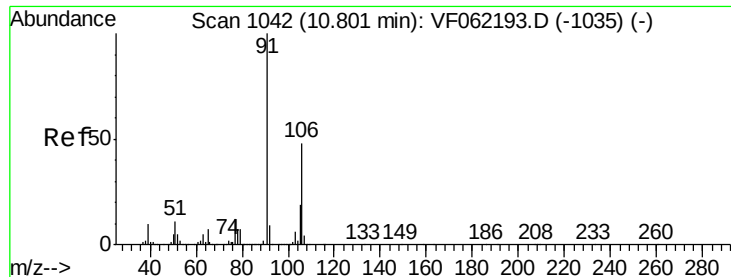
91 199.7 159.1 238.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

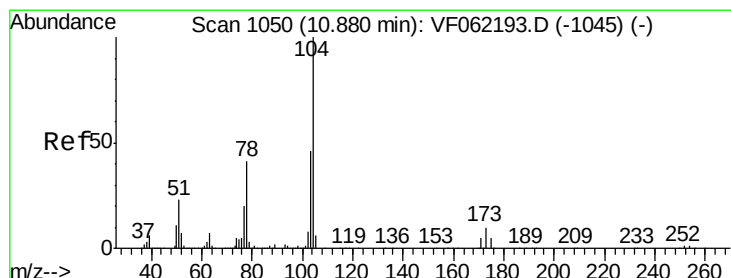
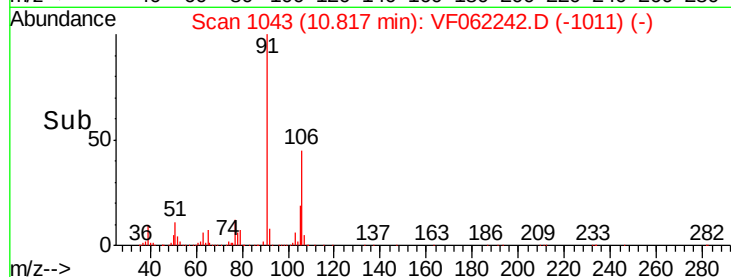
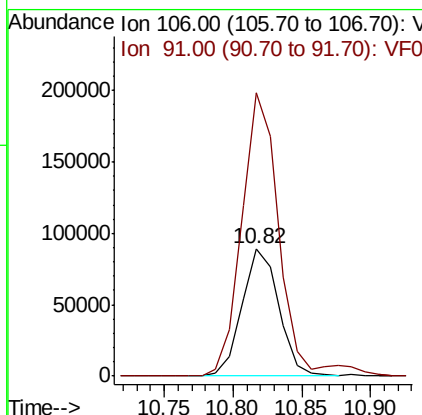
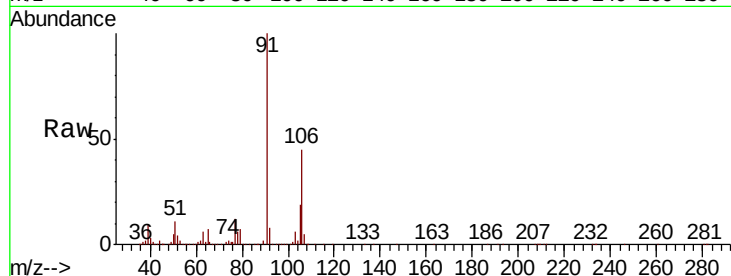




#69
o-Xylene
Concen: 21.657 ug/l
RT: 10.82 min Scan# 1043
Delta R.T. 0.02 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

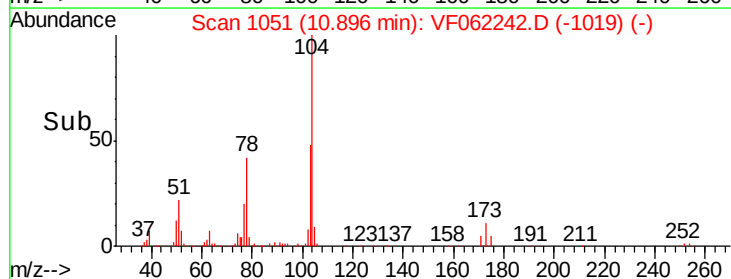
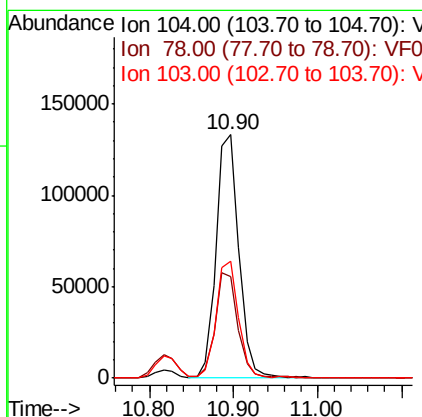
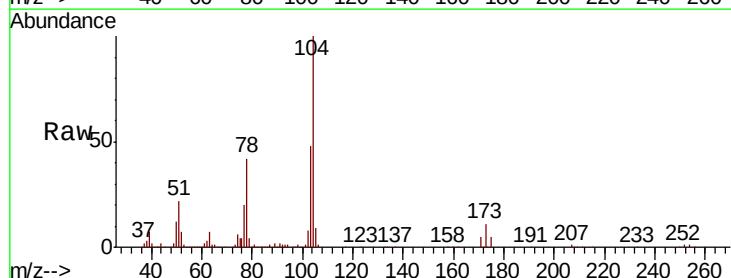
Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

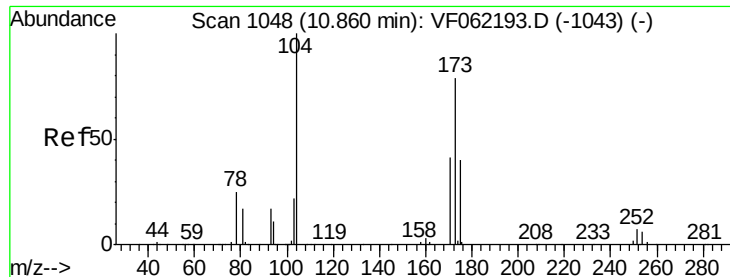
Tot Ion:106 Resp: 167395
Ion Ratio Lower Upper
106 100
91 218.8 107.5 322.4



#70
Styrene
Concen: 22.921 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. 0.02 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Tgt Ion:104 Resp: 250015
Ion Ratio Lower Upper
104 100
78 43.2 34.5 51.7
103 47.1 37.2 55.8





#71

Bromoform

Concen: 23.545 ug/l

RT: 10.88 min Scan# 1049

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0422SBS01

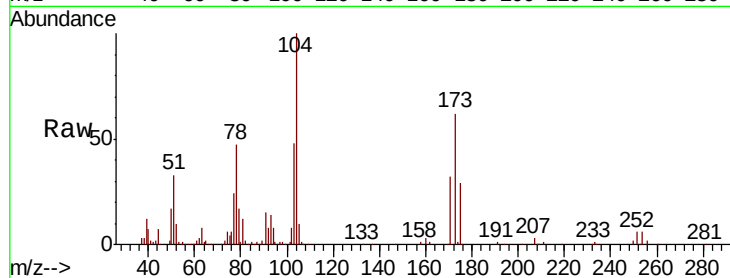
Tot Ion:173 Resp: 60543

Ion Ratio Lower Upper

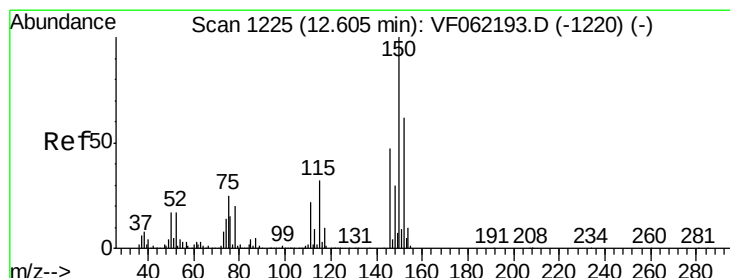
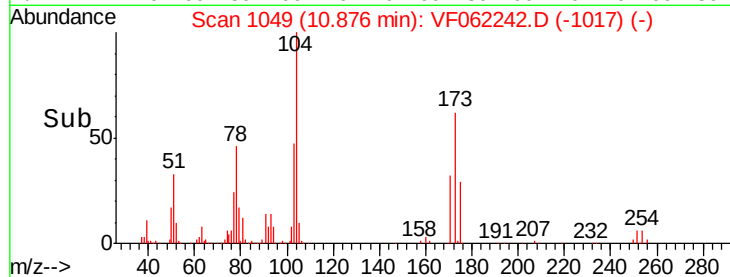
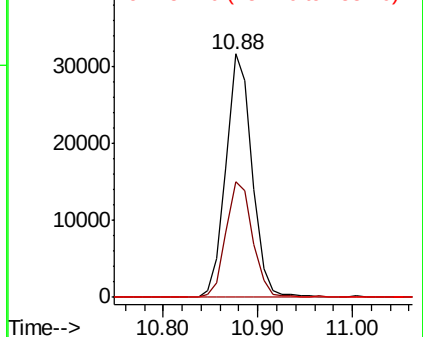
173 100

175 48.2 24.5 73.5

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

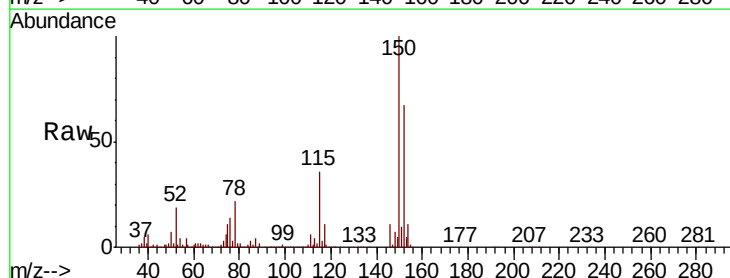
Tgt Ion:152 Resp: 285420

Ion Ratio Lower Upper

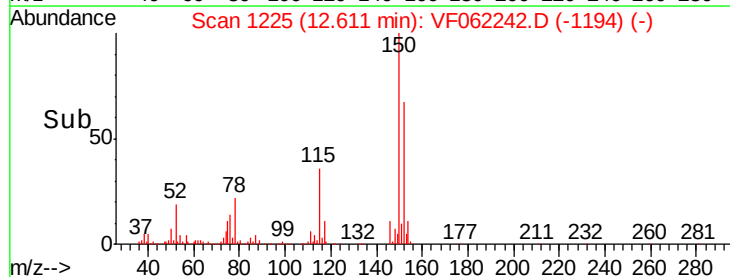
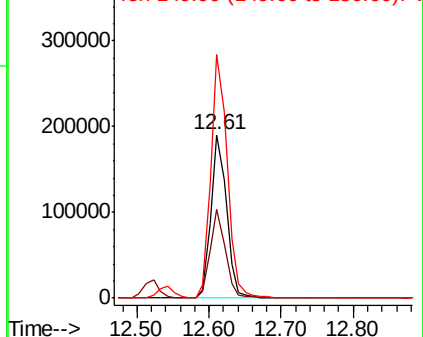
152 100

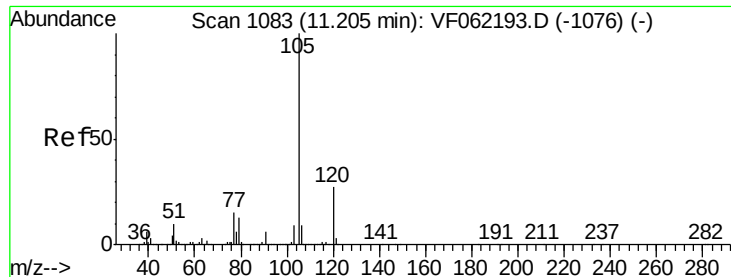
115 53.0 27.8 83.3

150 155.9 0.0 341.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.543 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

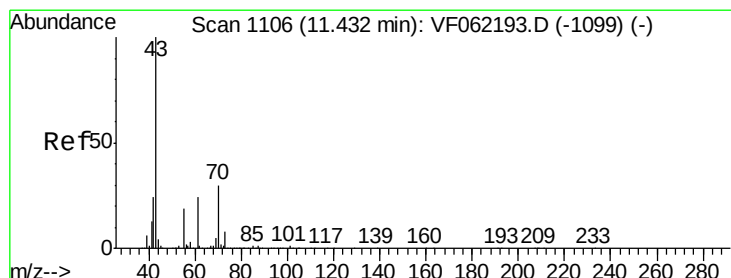
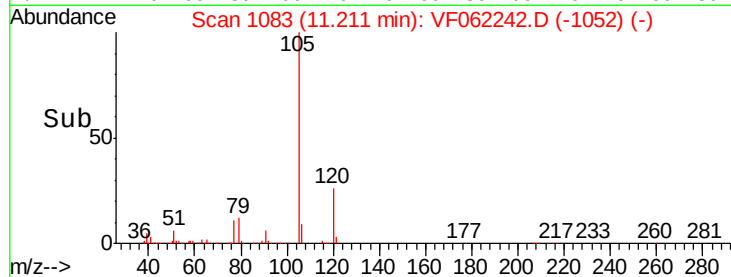
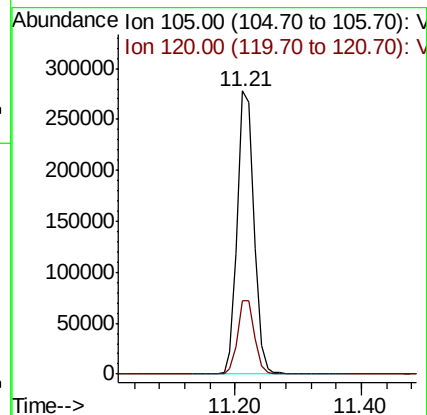
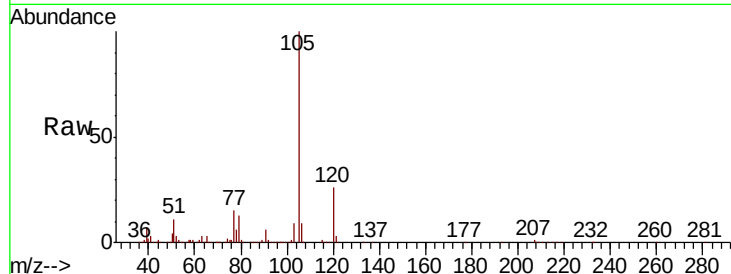
VF0422SBS01

Tot Ion:105 Resp: 503678

Ion Ratio Lower Upper

105 100

120 25.9 13.0 38.9



#74

N-ethyl acetate

Concen: 17.007 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Tgt Ion: 43 Resp: 107364

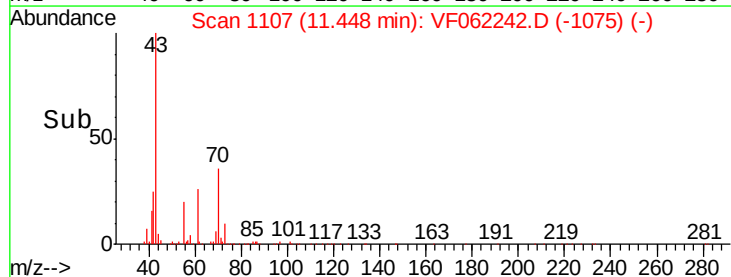
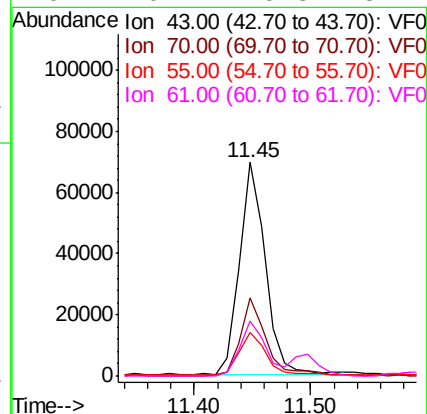
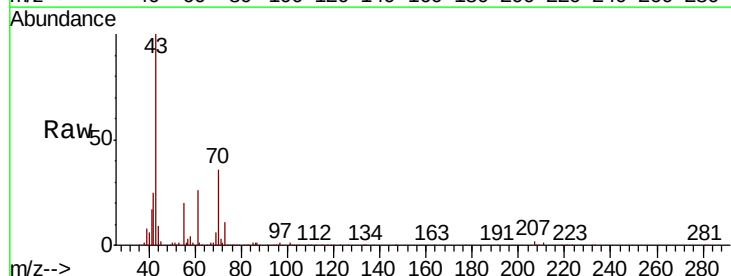
Ion Ratio Lower Upper

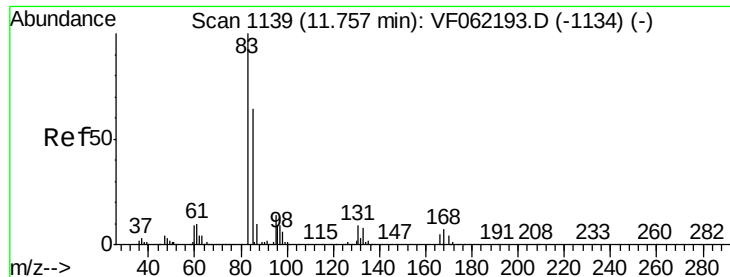
43 100

70 38.1 27.0 40.4

55 21.9 15.7 23.5

61 26.2 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.652 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0422SBS01

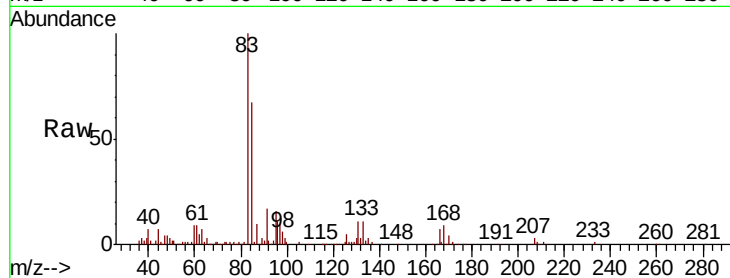
Tot Ion: 83 Resp: 82863

Ion Ratio Lower Upper

83 100

131 10.0 4.5 13.5

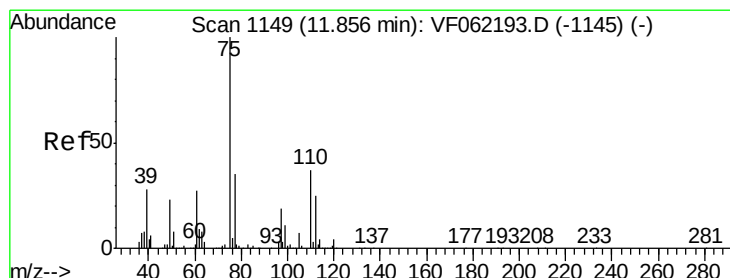
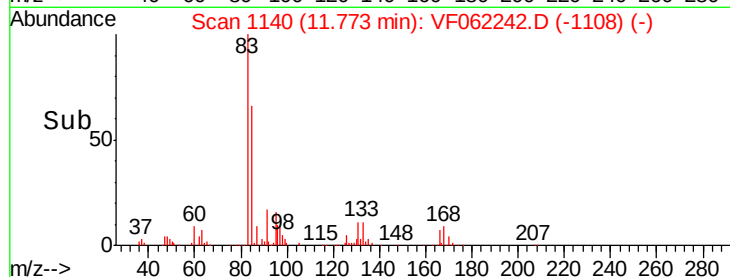
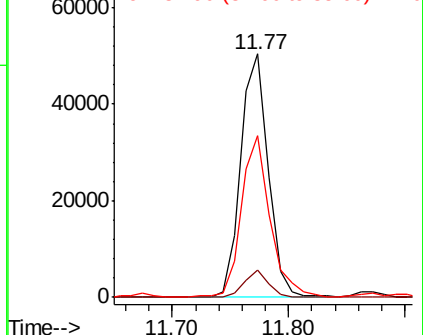
85 69.1 34.7 104.1



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 12.447 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. 0.09 min

Lab File: VF062242.D

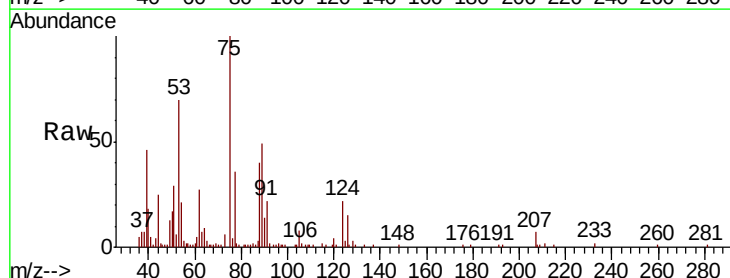
Acq: 22 Apr 2019 14:02

Tgt Ion: 75 Resp: 36108

Ion Ratio Lower Upper

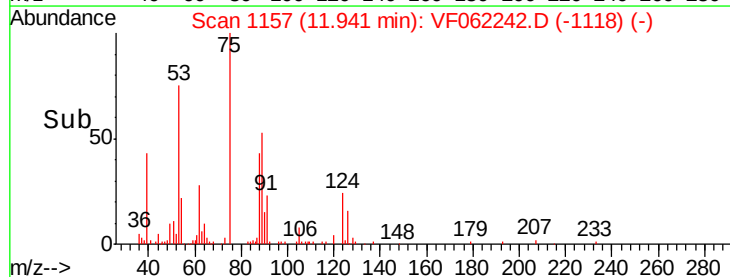
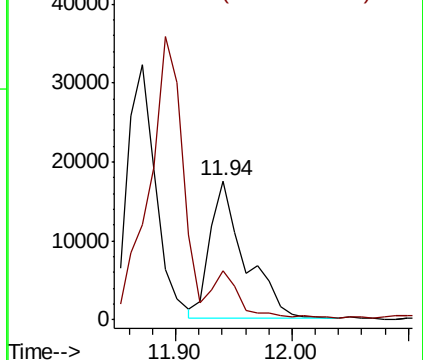
75 100

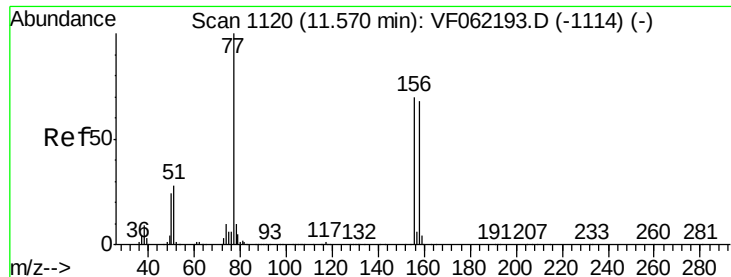
77 21.8 7.4 22.2



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 22.622 ug/l

RT: 11.59 min Scan# 1121

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0422SBS01

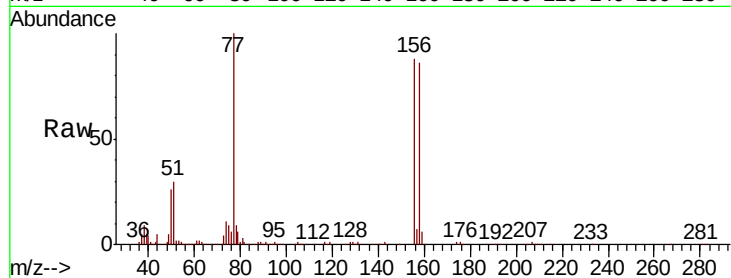
Tot Ion:156 Resp: 118815

Ion Ratio Lower Upper

156 100

77 140.3 80.9 242.7

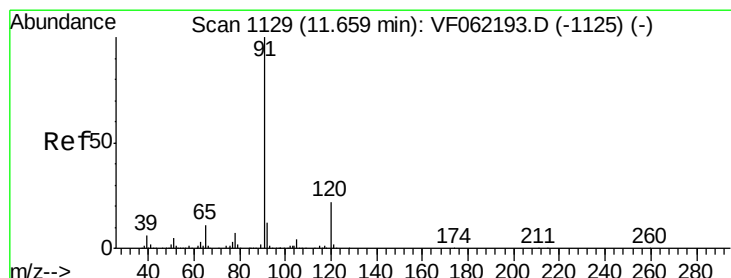
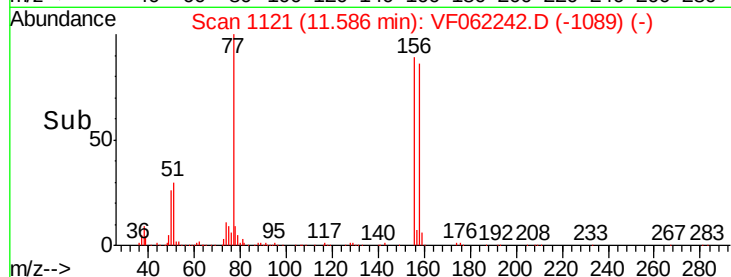
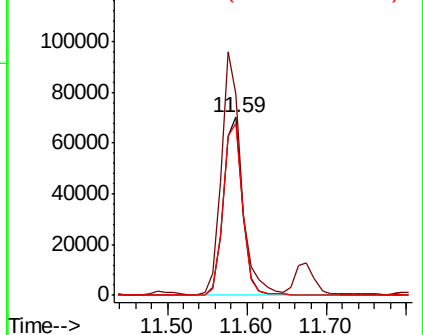
158 99.6 49.8 149.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.850 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. 0.02 min

Lab File: VF062242.D

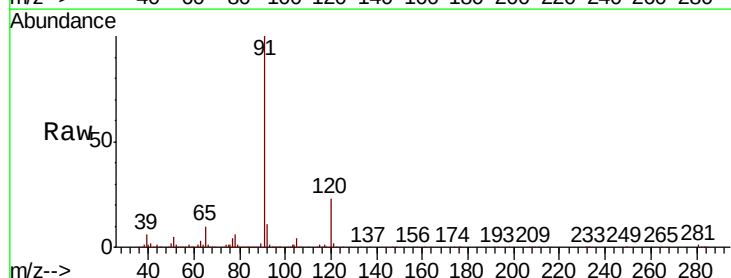
Acq: 22 Apr 2019 14:02

Tgt Ion: 91 Resp: 539272

Ion Ratio Lower Upper

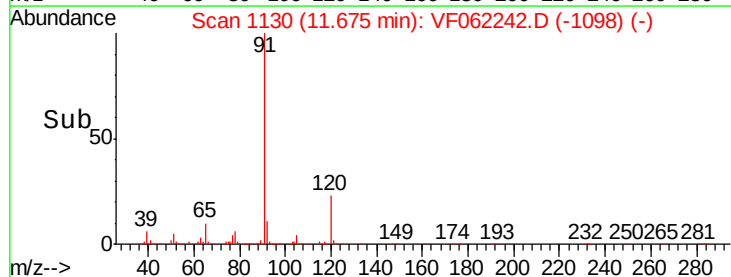
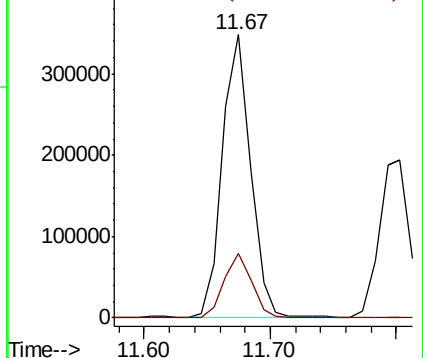
91 100

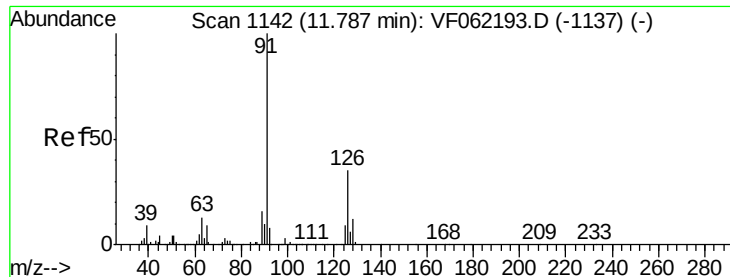
120 22.5 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

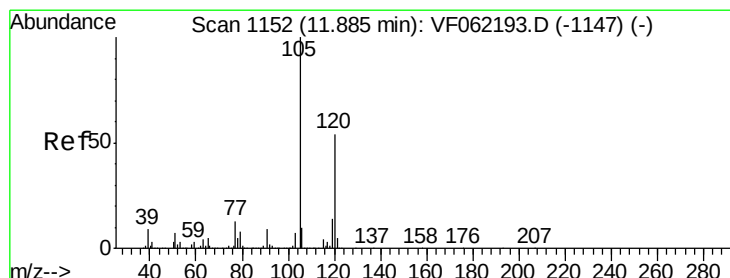
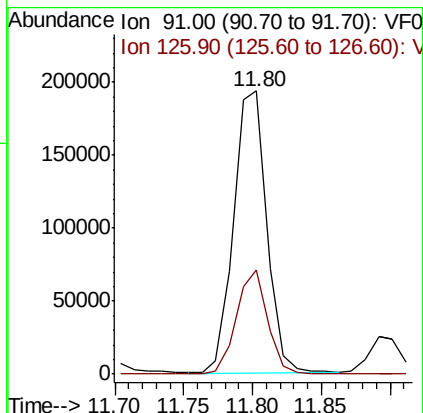
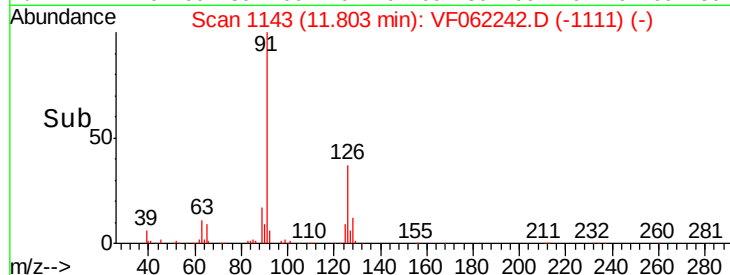
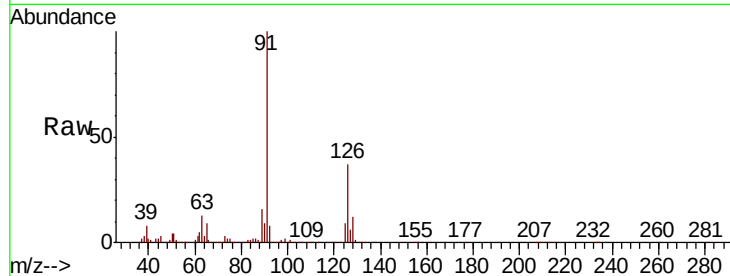




#79
 2-Chlorotoluene
 Concen: 20.586 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. 0.02 min
 Lab File: VF062242.D
 Acq: 22 Apr 2019 14:02

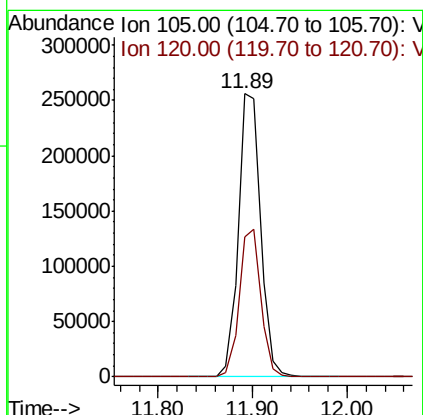
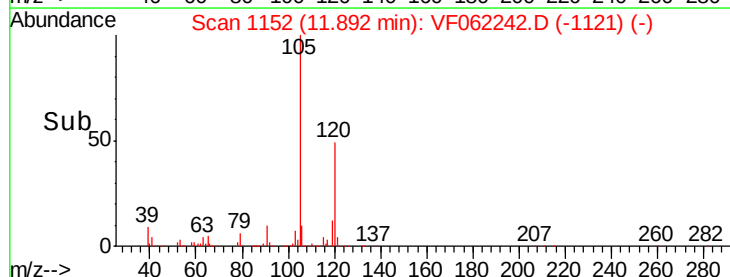
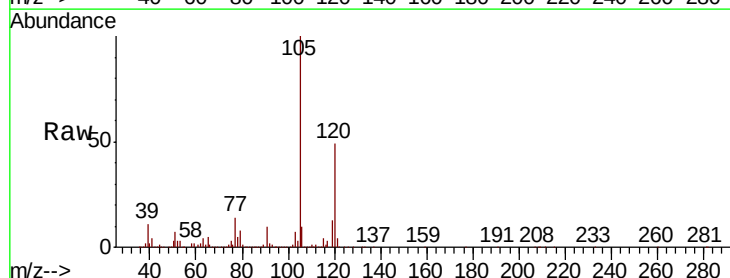
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0422SBS01

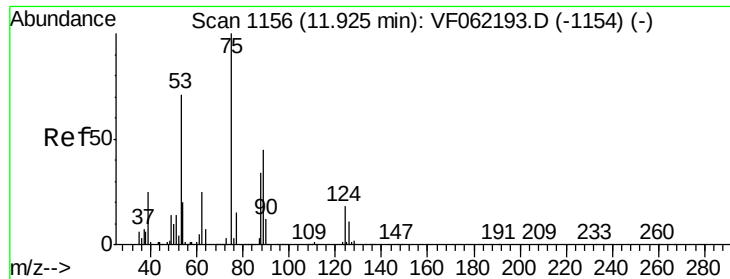
Tot Ion: 91 Resp: 322982
 Ion Ratio Lower Upper
 91 100
 126 35.1 16.9 50.6



#80
 1,3,5-Trimethylbenzene
 Concen: 20.381 ug/l
 RT: 11.89 min Scan# 1152
 Delta R.T. 0.01 min
 Lab File: VF062242.D
 Acq: 22 Apr 2019 14:02

Tgt Ion: 105 Resp: 416179
 Ion Ratio Lower Upper
 105 100
 120 51.0 26.2 78.5





#81

trans-1,4-Dichloro-2-butene

Concen: 24.611 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0422SBS01

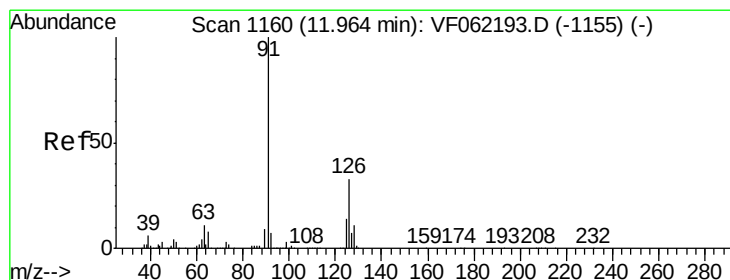
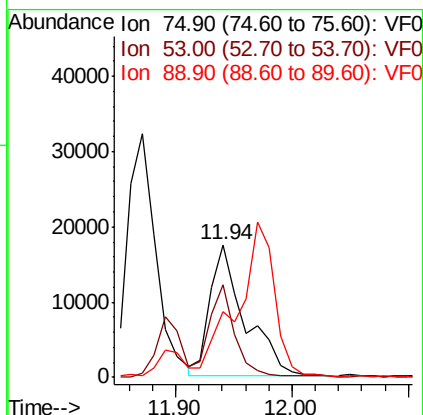
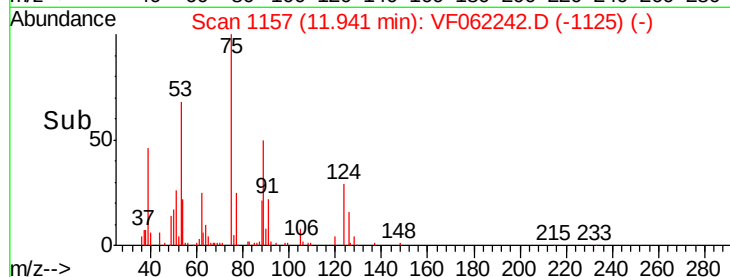
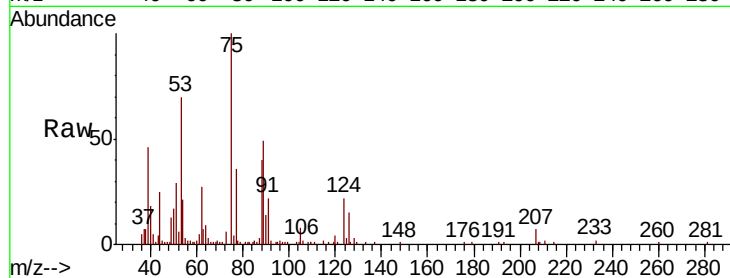
Tot Ion: 75 Resp: 36412

Ion Ratio Lower Upper

75 100

53 53.1 50.2 75.4

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 20.774 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VF062242.D

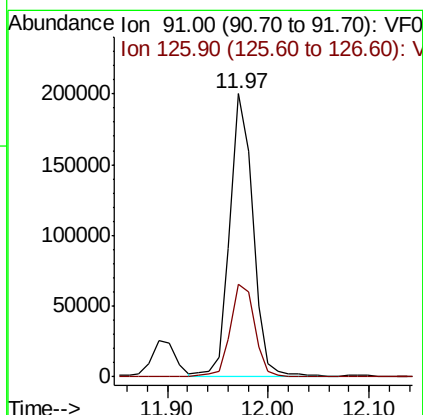
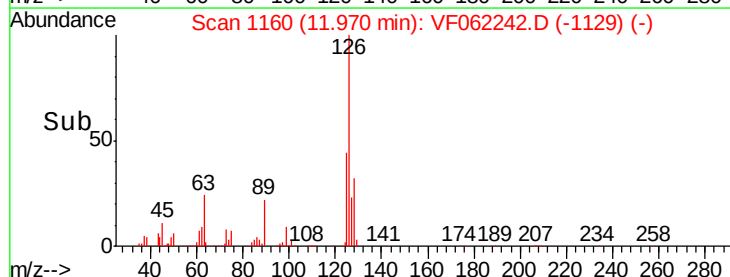
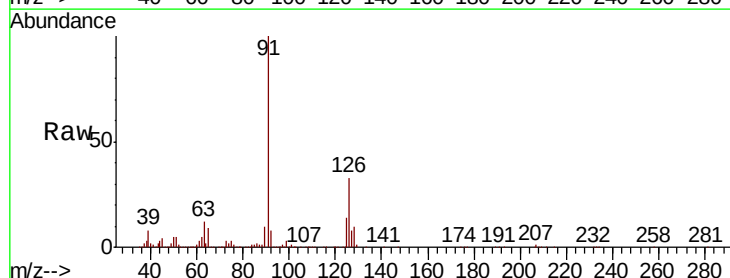
Acq: 22 Apr 2019 14:02

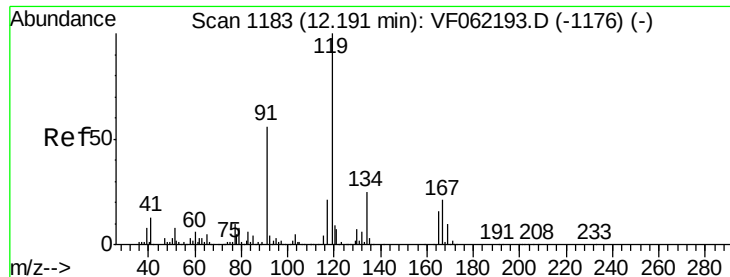
Tgt Ion: 91 Resp: 314986

Ion Ratio Lower Upper

91 100

126 35.6 16.9 50.6





#83

tert-Butylbenzene

Concen: 21.032 ug/l

RT: 12.20 min Scan# 1183

Delta R.T. 0.01 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0422SBS01

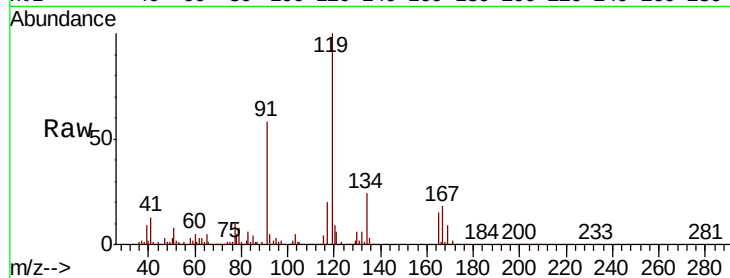
Tot Ion:119 Resp: 444146

Ion Ratio Lower Upper

119 100

91 57.5 29.4 88.2

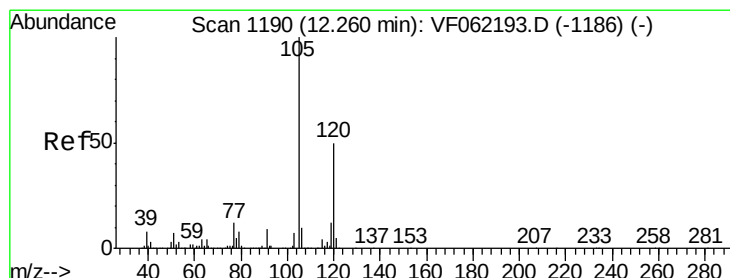
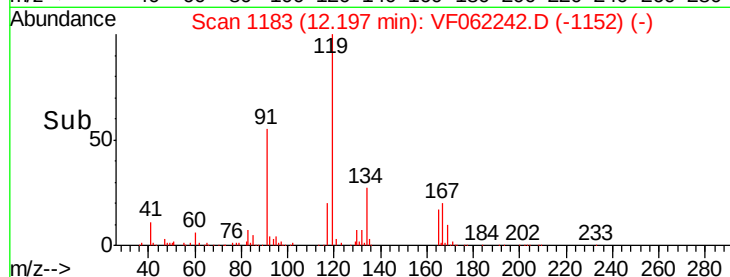
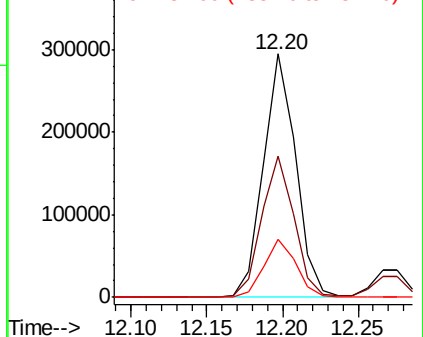
134 23.9 11.8 35.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.754 ug/l

RT: 12.27 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VF062242.D

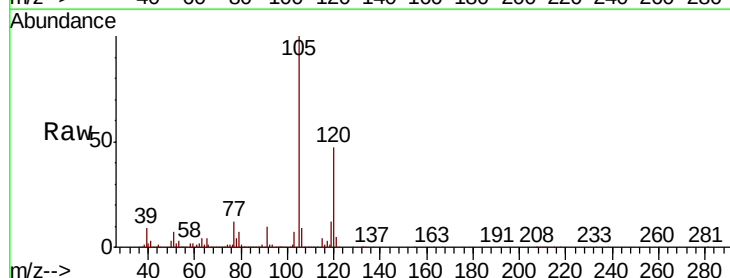
Acq: 22 Apr 2019 14:02

Tgt Ion:105 Resp: 410121

Ion Ratio Lower Upper

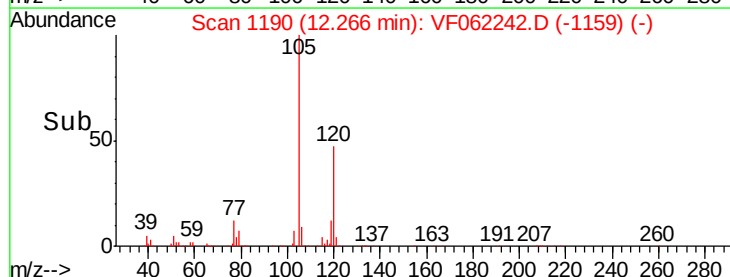
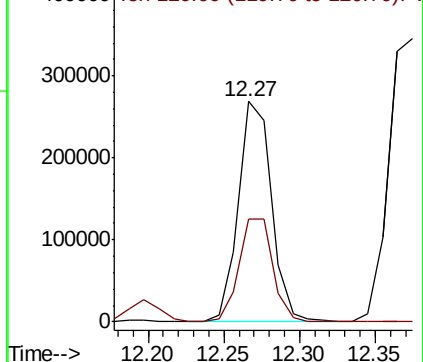
105 100

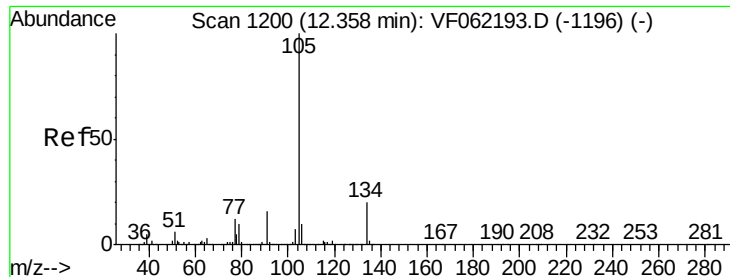
120 47.9 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.429 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

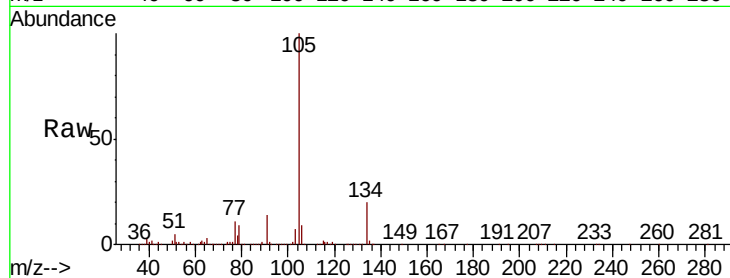
VF0422SBS01

Tot Ion:105 Resp: 560073

Ion Ratio Lower Upper

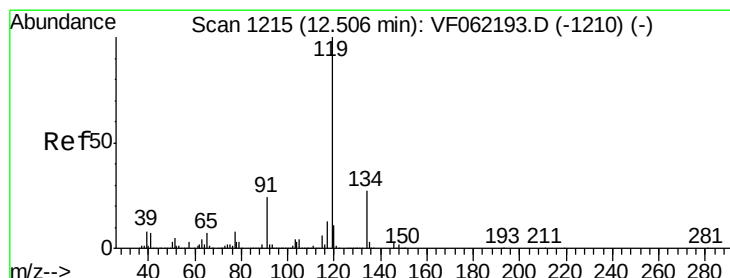
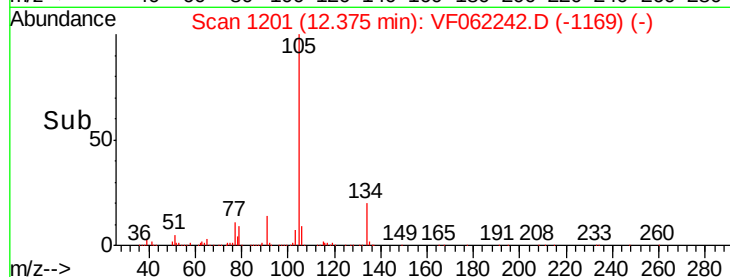
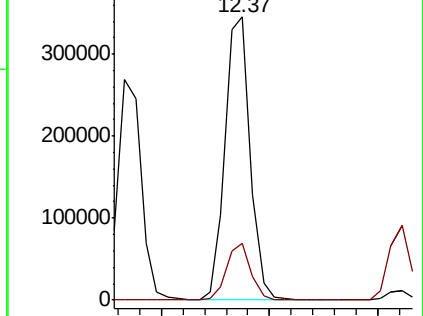
105 100

134 19.2 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.840 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

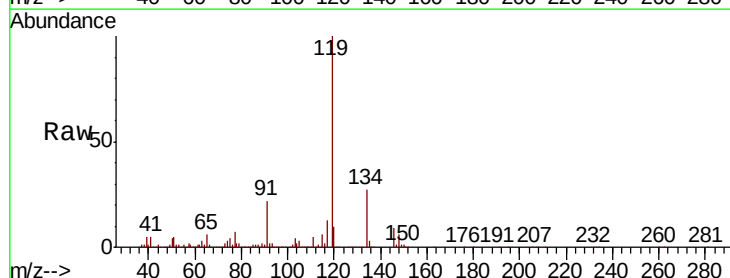
Tgt Ion:119 Resp: 484663

Ion Ratio Lower Upper

119 100

134 25.9 13.2 39.5

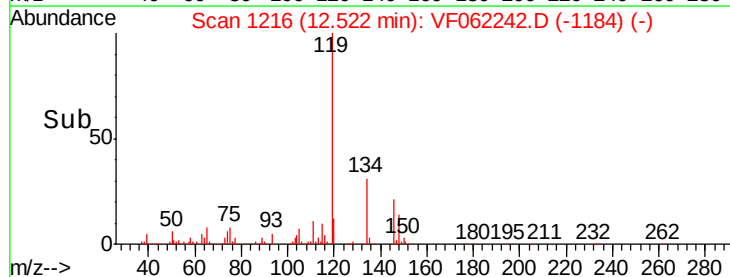
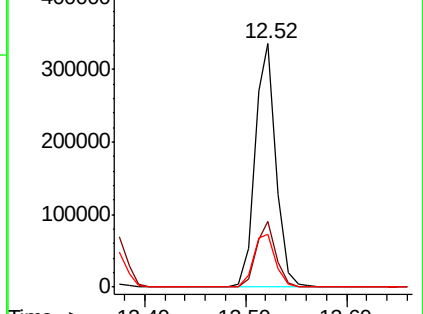
91 22.8 11.7 35.1

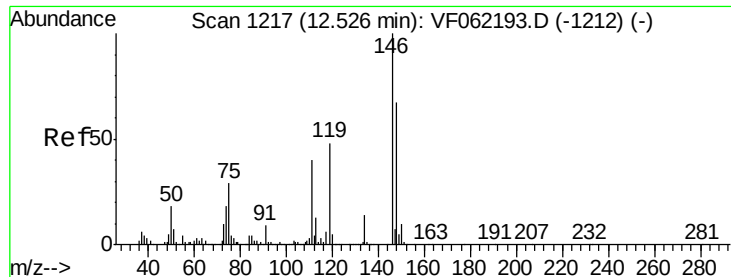


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

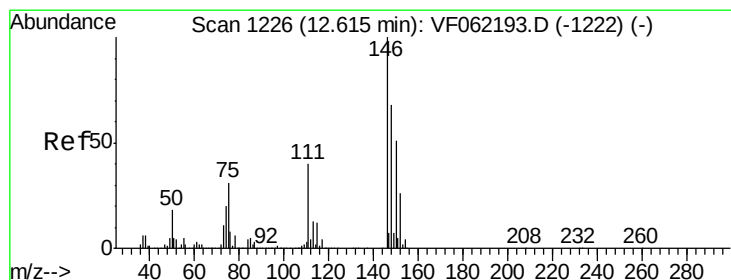
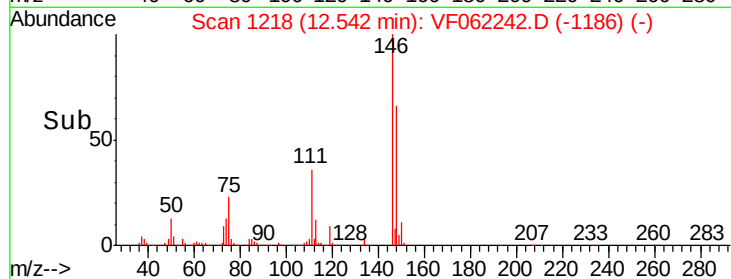
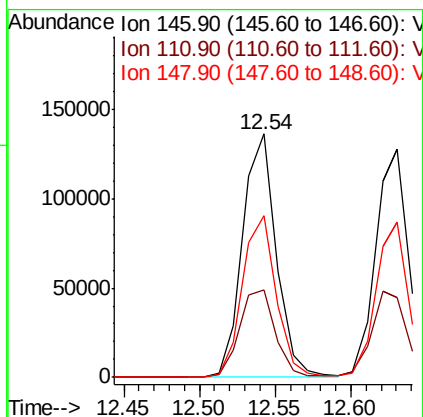
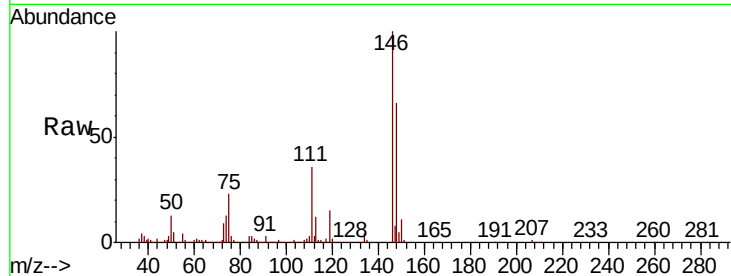




#87
 1,3-Dichlorobenzene
 Concen: 21.757 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.02 min
 Lab File: VF062242.D
 Acq: 22 Apr 2019 14:02

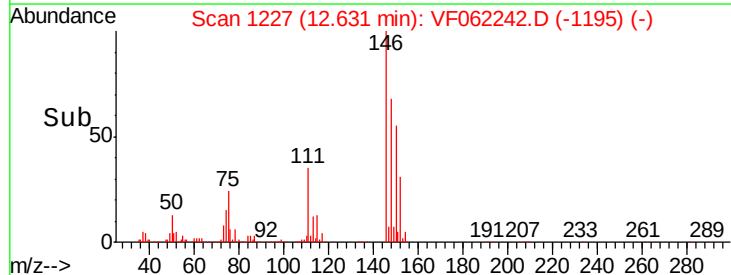
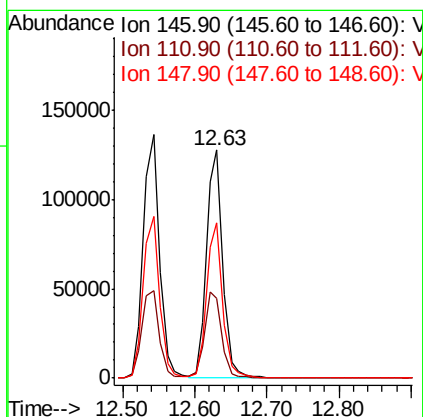
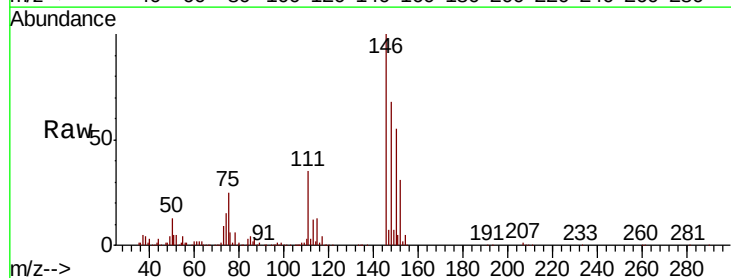
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0422SBS01

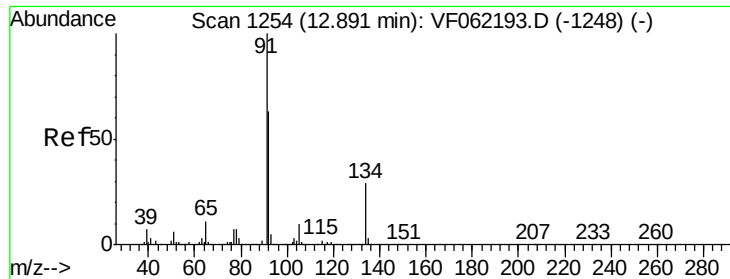
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.7	59.0
148	66.4	32.9	98.6



#88
 1,4-Dichlorobenzene
 Concen: 21.222 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. 0.02 min
 Lab File: VF062242.D
 Acq: 22 Apr 2019 14:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.0	60.0
148	66.6	33.6	100.8





#89

n-Butylbenzene

Concen: 21.083 ug/l

RT: 12.90 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0422SBS01

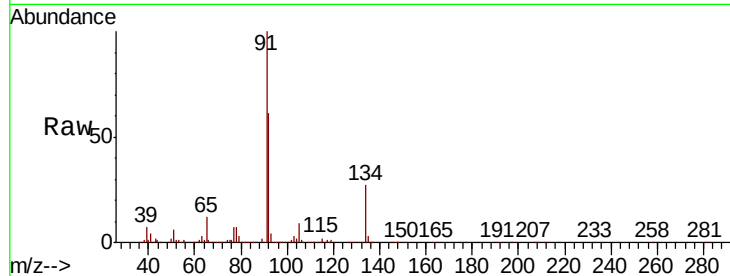
Tot Ion: 91 Resp: 460642

Ion Ratio Lower Upper

91 100

92 60.8 31.2 93.6

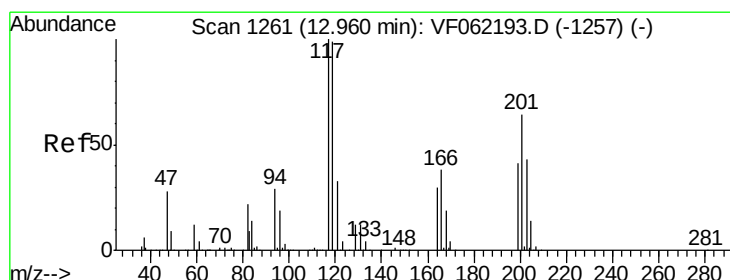
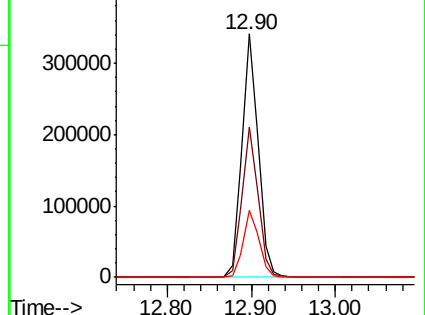
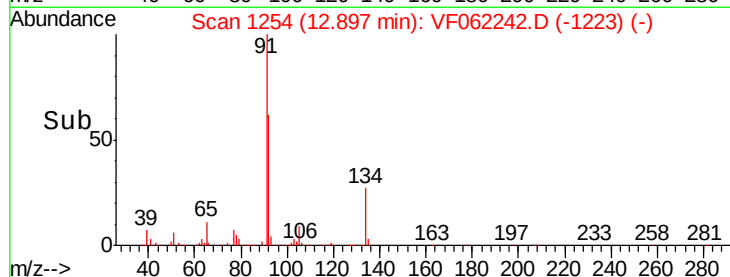
134 26.9 13.1 39.1



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: 20.171 ug/l

RT: 12.98 min Scan# 1262

Delta R.T. 0.02 min

Lab File: VF062242.D

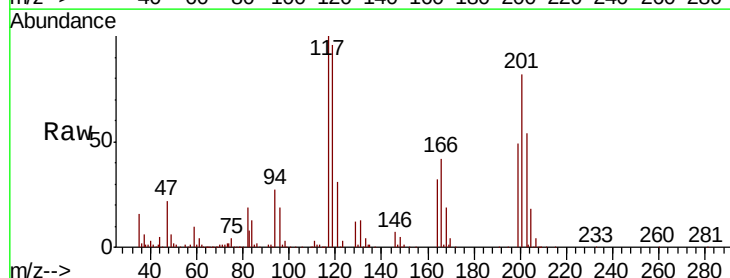
Acq: 22 Apr 2019 14:02

Tgt Ion: 117 Resp: 120460

Ion Ratio Lower Upper

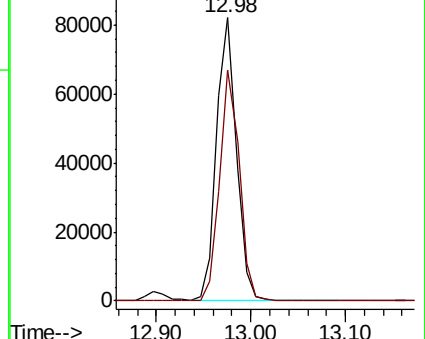
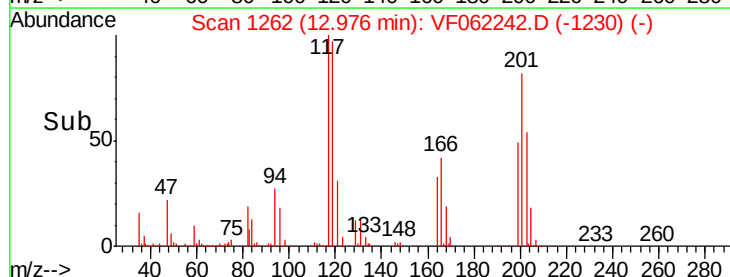
117 100

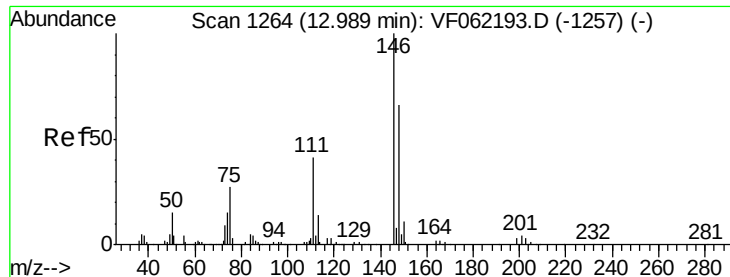
201 80.6 37.7 113.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 21.706 ug/l

RT: 13.00 min Scan# 1264

Delta R.T. 0.01 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0422SBS01

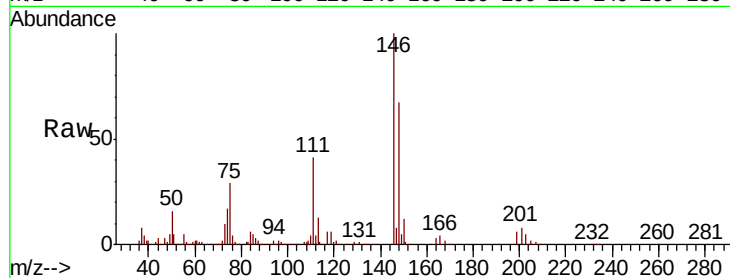
Tot Ion:146 Resp: 204280

Ion Ratio Lower Upper

146 100

111 39.5 20.8 62.5

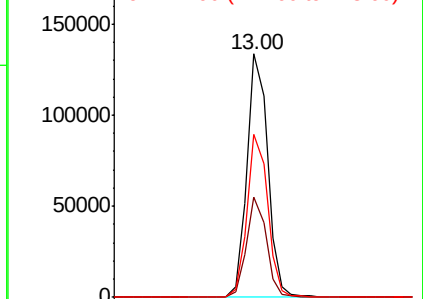
148 66.9 33.0 99.0



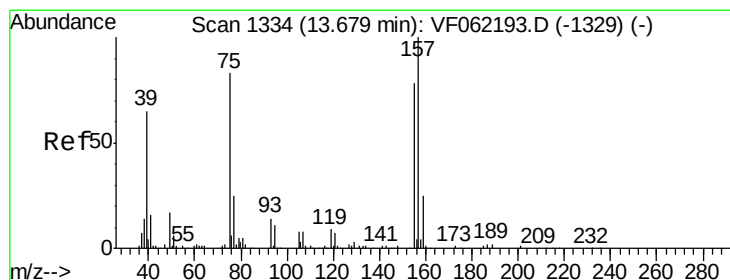
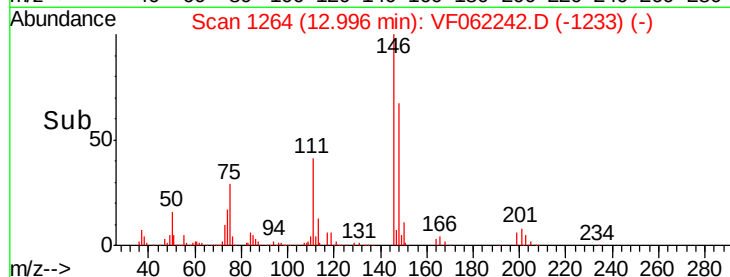
Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.893 ug/l

RT: 13.69 min Scan# 1334

Delta R.T. 0.01 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

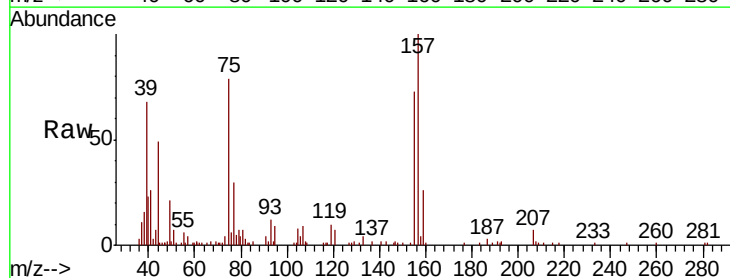
Tgt Ion: 75 Resp: 15651

Ion Ratio Lower Upper

75 100

155 98.3 47.6 142.8

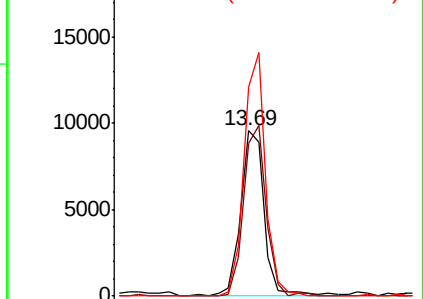
157 132.3 61.3 183.9



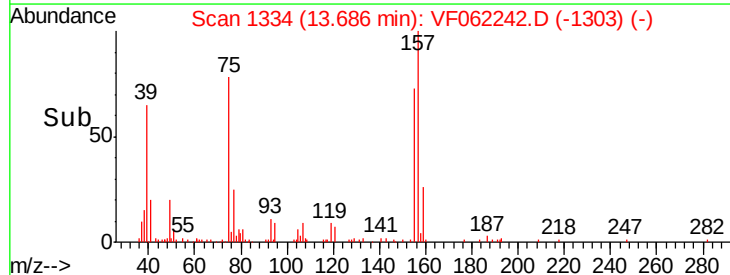
Abundance Ion 74.90 (74.60 to 75.60): VF0

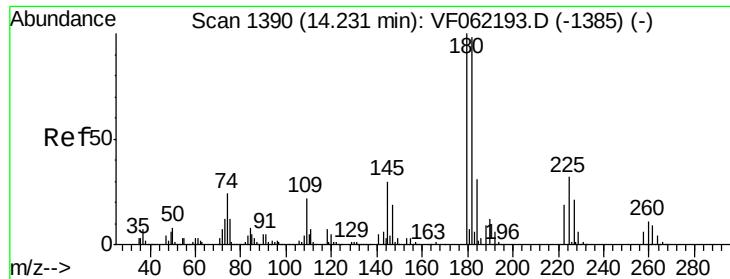
Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



Time-->

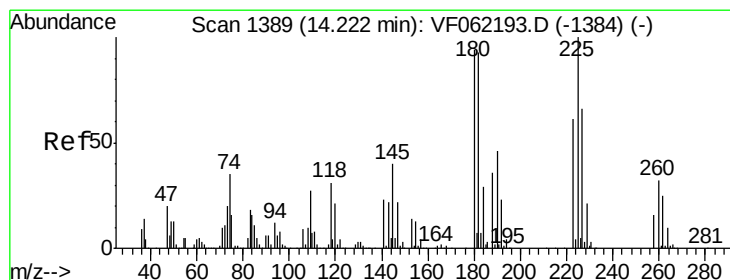
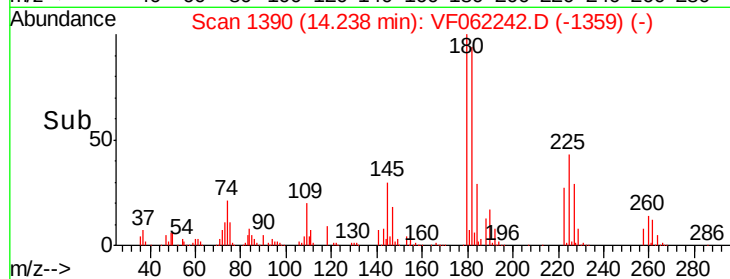
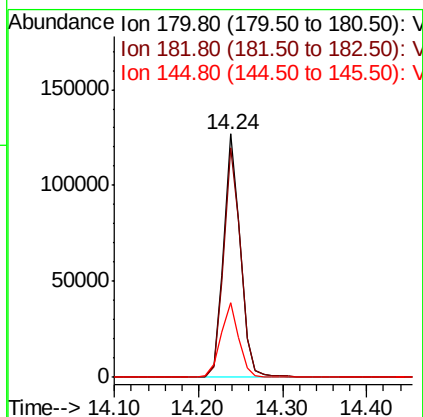
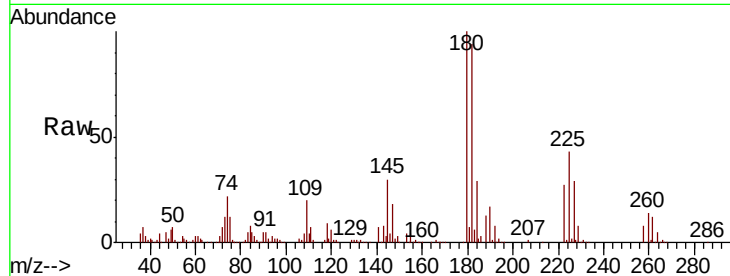




#93
 1,2,4-Trichlorobenzene
 Concen: 22.424 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: VF062242.D
 Acq: 22 Apr 2019 14:02

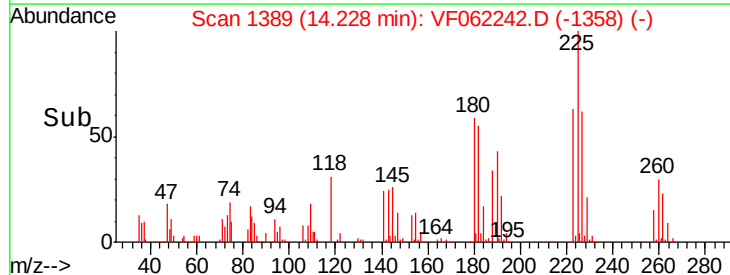
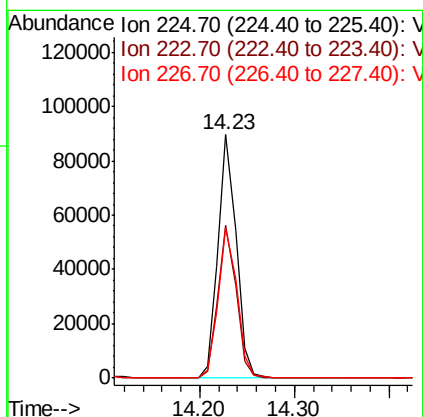
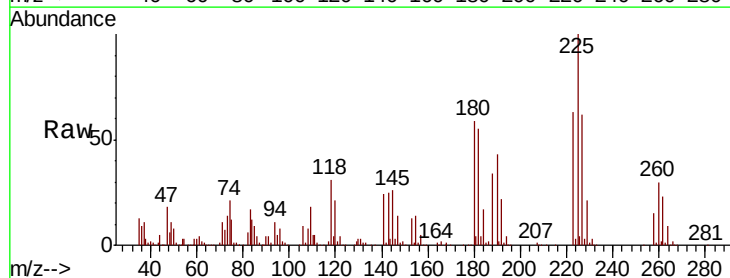
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0422SBS01

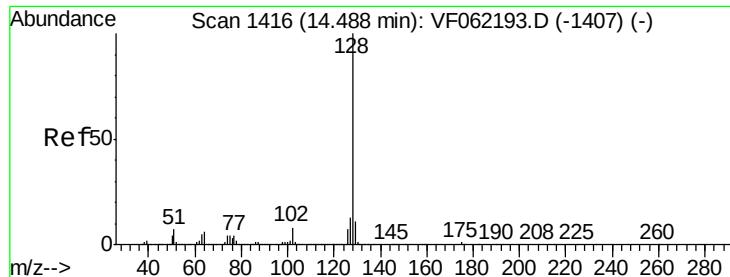
Tot Ion:180 Resp: 176567
 Ion Ratio Lower Upper
 180 100
 182 95.6 49.3 147.9
 145 32.6 18.1 54.4



#94
 Hexachlorobutadiene
 Concen: 22.334 ug/l
 RT: 14.23 min Scan# 1389
 Delta R.T. 0.01 min
 Lab File: VF062242.D
 Acq: 22 Apr 2019 14:02

Tgt Ion:225 Resp: 120586
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.0 93.0
 227 63.3 32.4 97.0





#95

Naphthalene

Concen: 19.330 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. 0.01 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0422SBS01

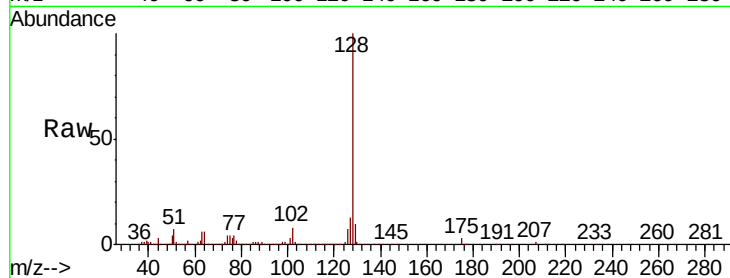
Tot Ion:128 Resp: 266132

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

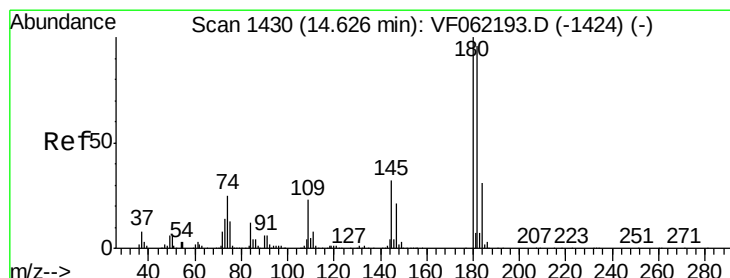
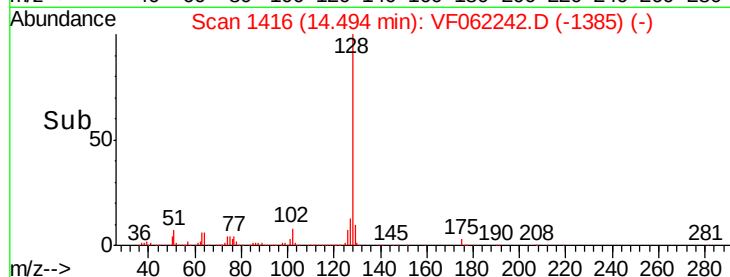
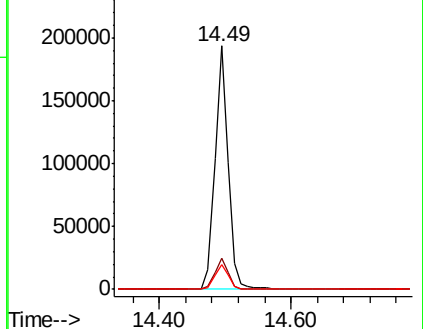
129 10.9 9.2 13.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.249 ug/l

RT: 14.64 min Scan# 1431

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

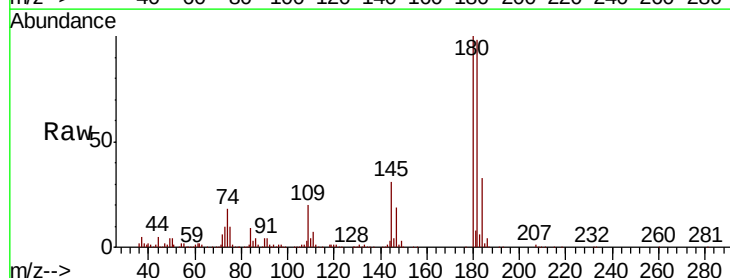
Tgt Ion:180 Resp: 160629

Ion Ratio Lower Upper

180 100

182 96.5 48.4 145.3

145 30.9 15.6 46.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

