

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031819\
 Data File : VF061992.D
 Acq On : 18 Mar 2019 12:41
 Operator : VA/AP
 Sample : VF0318SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0318SBS01

Quant Time: Mar 19 01:37:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 18 07:28:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	278591	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	405893	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	347619	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	192249	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	94413	47.08	ug/l	-0.02
Spiked Amount			Recovery	=	94.16%	
35) Dibromofluoromethane	4.09	113	130613	47.92	ug/l	-0.02
Spiked Amount			Recovery	=	95.84%	
50) Toluene-d8	7.53	98	370445	46.49	ug/l	-0.02
Spiked Amount			Recovery	=	92.98%	
62) 4-Bromofluorobenzene	11.40	95	156959	49.59	ug/l	-0.01
Spiked Amount			Recovery	=	99.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.95	85	58619	19.738	ug/l	92
3) Chloromethane	1.09	50	60839	20.158	ug/l	92
4) Vinyl Chloride	1.14	62	57797	19.801	ug/l	90
5) Bromomethane	1.32	94	40262	19.635	ug/l	96
6) Chloroethane	1.37	64	29357	19.482	ug/l	100
7) Trichlorofluoromethane	1.47	101	77456	20.030	ug/l	99
8) Diethyl Ether	1.62	74	15826	18.409	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.81	101	53961	19.805	ug/l	88
10) Methyl Iodide	1.88	142	88988m	18.661	ug/l	
11) Tert butyl alcohol	2.55	59	9734	79.324	ug/l #	82
12) 1,1-Dichloroethene	1.77	96	43254	18.396	ug/l	90
13) Acrolein	1.99	56	12705m	95.907	ug/l	
14) Allyl chloride	2.09	41	65383	21.784	ug/l	92
15) Acrylonitrile	2.93	53	34669	92.906	ug/l	88
16) Acetone	2.23	43	42344	94.030	ug/l	94
17) Carbon Disulfide	1.81	76	132566	19.494	ug/l	96
18) Methyl Acetate	2.41	43	17928	19.460	ug/l	97
19) Methyl tert-butyl Ether	2.41	73	73359	17.218	ug/l	98
20) Methylene Chloride	2.17	84	44177m	19.055	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	44939	18.314	ug/l	97
22) Diisopropyl ether	2.79	45	134323	18.606	ug/l	97
23) Vinyl Acetate	3.17	43	281355	98.860	ug/l	100
24) 1,1-Dichloroethane	2.86	63	78969	18.812	ug/l	99
25) 2-Butanone	4.32	43	79716	89.383	ug/l	92
26) 2,2-Dichloropropane	3.57	77	38146	19.265	ug/l	90
27) cis-1,2-Dichloroethene	3.46	96	60213	19.469	ug/l	96
28) Bromochloromethane	3.69	49	35351	20.295	ug/l	96
29) Tetrahydrofuran	4.06	42	30734	79.240	ug/l	98
30) Chloroform	3.84	83	91032	19.139	ug/l	89
31) Cyclohexane	3.67	56	80748	19.633	ug/l	98
32) 1,1,1-Trichloroethane	4.07	97	60853	19.265	ug/l	95
36) 1,1-Dichloropropene	4.26	75	74319	20.276	ug/l	97
37) Ethyl Acetate	4.09	43	29348	17.832	ug/l #	94
38) Carbon Tetrachloride	3.97	117	58821	21.958	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	82576	19.190	ug/l	97
40) Benzene	4.61	78	183288	18.871	ug/l	94
41) Methacrylonitrile	4.72	41	17368	19.752	ug/l	89
42) 1,2-Dichloroethane	4.92	62	45596	18.858	ug/l	97
43) Isopropyl Acetate	6.94	43	35938	18.456	ug/l #	96
44) Trichloroethene	5.48	130	55905	18.790	ug/l	99
45) 1,2-Dichloropropane	6.22	63	42954	18.688	ug/l	94
46) Dibromomethane	6.06	93	26779	19.585	ug/l	94
47) Bromodichloromethane	6.36	83	59428	18.435	ug/l	99
48) Methyl methacrylate	6.69	41	20545	16.325	ug/l #	76
49) 1,4-Dioxane	6.69	88	4068	363.398	ug/l #	82
51) 4-Methyl-2-Pentanone	8.23	43	132764	96.013	ug/l	100
52) Toluene	7.61	92	111039	18.711	ug/l	97
53) t-1,3-Dichloropropene	8.26	75	52083	19.137	ug/l	96
54) cis-1,3-Dichloropropene	7.27	75	68257	19.222	ug/l	97
55) 1,1,2-Trichloroethane	8.47	97	31185	18.828	ug/l	95
56) Ethyl methacrylate	8.61	69	37105	19.708	ug/l	96
57) 1,3-Dichloropropane	8.83	76	51048	18.477	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.27	63	35951	105.421	ug/l	98
59) 2-Hexanone	9.47	43	95138	95.070	ug/l	99
60) Dibromochloromethane	8.69	129	45094	19.612	ug/l	95
61) 1,2-Dibromoethane	8.97	107	33804	19.027	ug/l	96
64) Tetrachloroethene	8.13	164	43360	17.160	ug/l	95
65) Chlorobenzene	9.78	112	122509	18.929	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.91	131	50031	19.943	ug/l	98
67) Ethyl Benzene	9.88	91	213018	19.223	ug/l	97
68) m/p-Xylenes	10.11	106	169037	40.557	ug/l	94
69) o-Xylene	10.70	106	87099	19.530	ug/l	94
70) Styrene	10.77	104	123648	20.013	ug/l	98
71) Bromoform	10.76	173	24632	19.412	ug/l	96
73) Isopropylbenzene	11.11	105	253545	19.090	ug/l	99
74) N-amyl acetate	11.36	43	58652	19.272	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.68	83	42580	19.423	ug/l	90
76) 1,2,3-Trichloropropane	11.78	75	28606	18.660	ug/l	99
77) Bromobenzene	11.47	156	57878	18.817	ug/l	92
78) n-propylbenzene	11.58	91	287873	18.850	ug/l	99
79) 2-Chlorotoluene	11.70	91	163600	18.978	ug/l	94
80) 1,3,5-Trimethylbenzene	11.81	105	201346	18.767	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.85	75	11696m	17.246	ug/l	
82) 4-Chlorotoluene	11.88	91	172554	19.794	ug/l	92
83) tert-Butylbenzene	12.12	119	219074	19.525	ug/l	99
84) 1,2,4-Trimethylbenzene	12.19	105	203956	18.979	ug/l	99
85) sec-Butylbenzene	12.29	105	286961	18.929	ug/l	99
86) p-Isopropyltoluene	12.45	119	251755	19.902	ug/l	99
87) 1,3-Dichlorobenzene	12.46	146	119906	19.835	ug/l	96
88) 1,4-Dichlorobenzene	12.55	146	110675	19.021	ug/l	98
89) n-Butylbenzene	12.84	91	243569	20.491	ug/l	99
90) Hexachloroethane	12.90	117	56453	19.556	ug/l	94
91) 1,2-Dichlorobenzene	12.92	146	111326	19.883	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.62	75	6399	18.189	ug/l	59

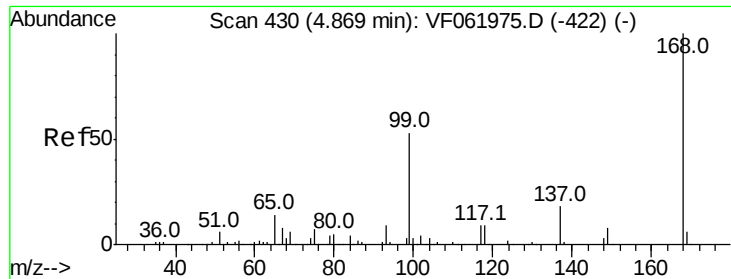
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031819\
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Quant Title : SW846 8260
QLast Update : Mon Mar 18 07:28:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	77316	19.830	ug/l	97
94) Hexachlorobutadiene	14.18	225	50211	19.399	ug/l	95
95) Naphthalene	14.44	128	132117	18.841	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	66920	18.656	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

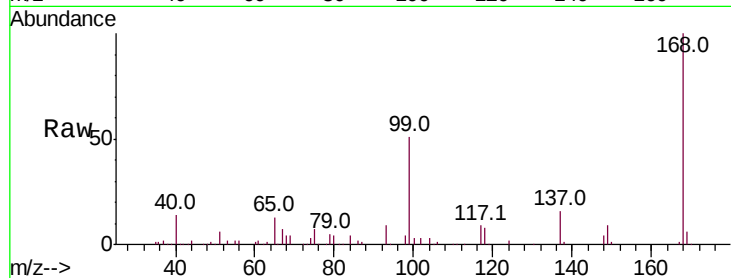
VF0318SBSD01

Tot Ion:168 Resp: 278591

Ion Ratio Lower Upper

168 100

99 51.4 42.4 63.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

100000

80000

60000

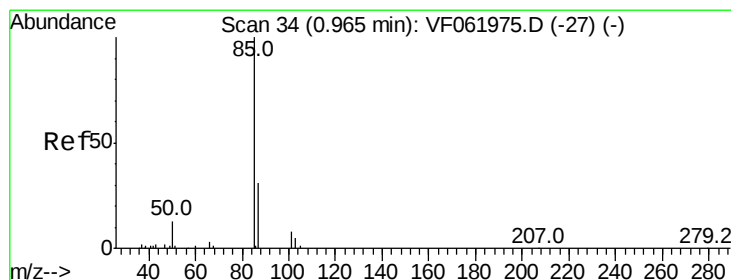
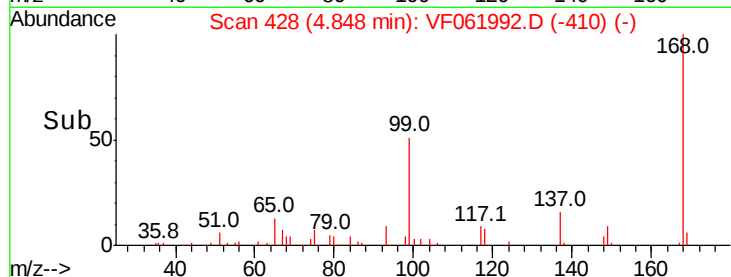
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 19.738 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.01 min

Lab File: VF061992.D

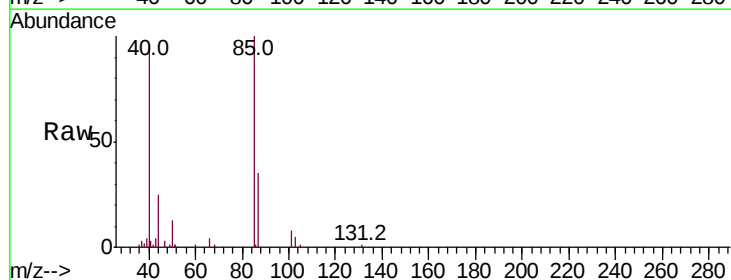
Acq: 18 Mar 2019 12:41

Tgt Ion: 85 Resp: 58619

Ion Ratio Lower Upper

85 100

87 35.0 15.4 46.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

20000

15000

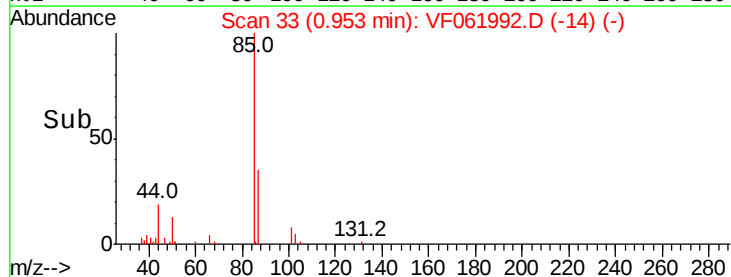
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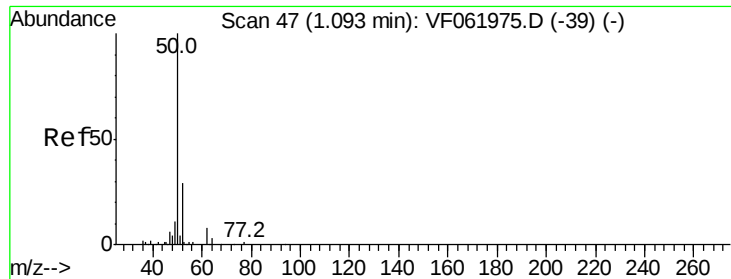
5000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 20.158 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

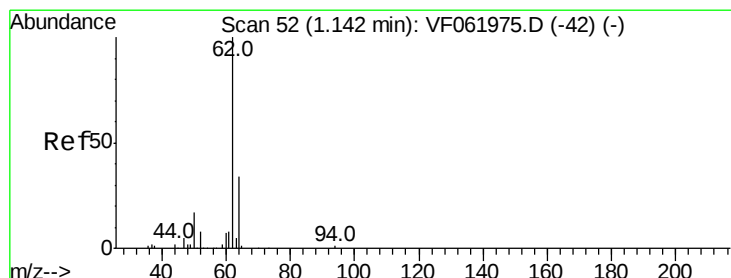
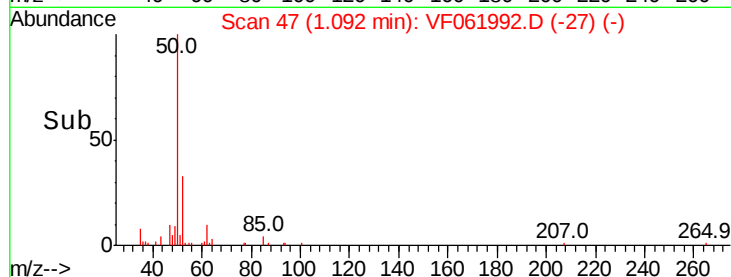
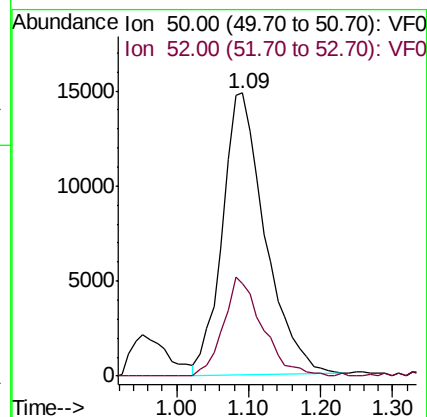
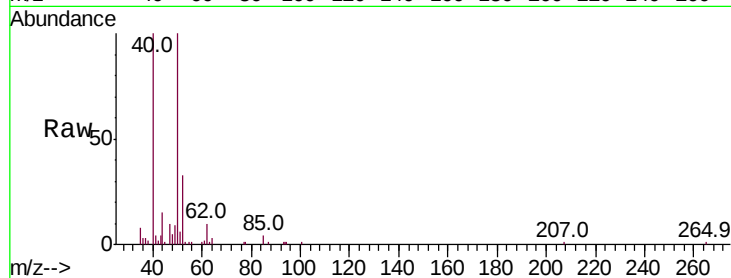
VF0318SBS01

Tot Ion: 50 Resp: 60839

Ion Ratio Lower Upper

50 100

52 32.7 22.6 34.0



#4

Vinyl Chloride

Concen: 19.801 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.00 min

Lab File: VF061992.D

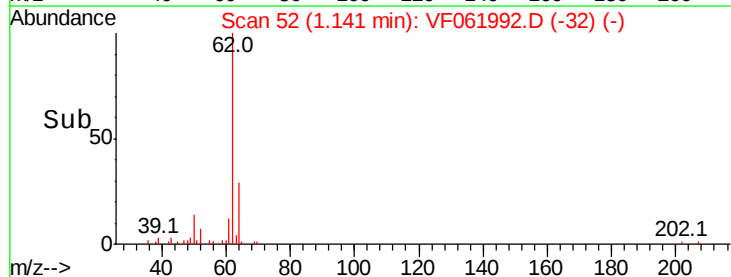
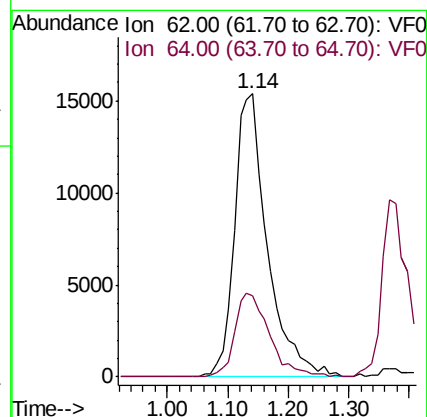
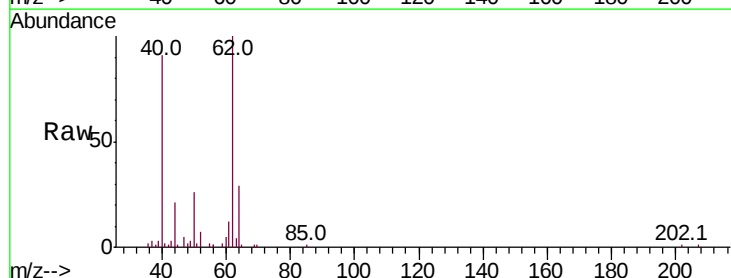
Acq: 18 Mar 2019 12:41

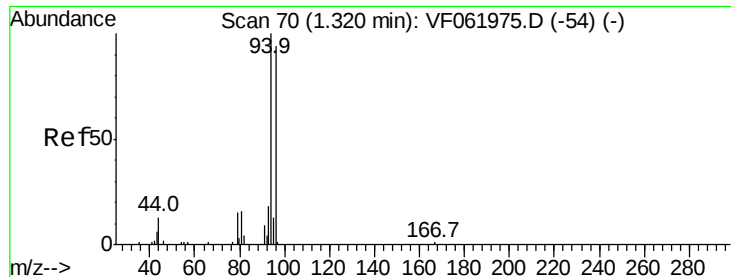
Tgt Ion: 62 Resp: 57797

Ion Ratio Lower Upper

62 100

64 28.8 27.4 41.2





#5

Bromomethane

Concen: 19.635 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

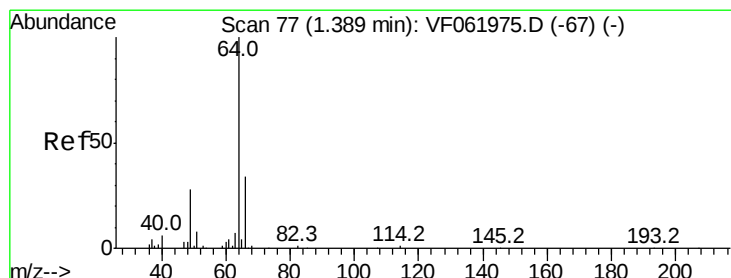
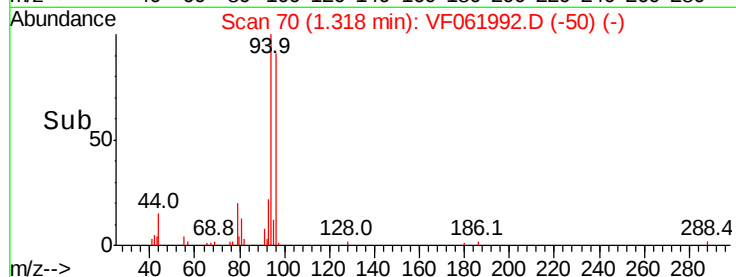
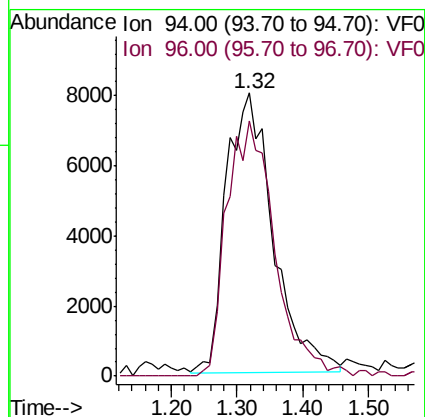
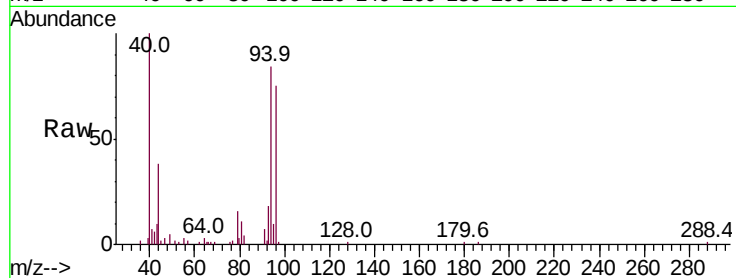
VF0318SBS01

Tot Ion: 94 Resp: 40262

Ion Ratio Lower Upper

94 100

96 90.0 75.0 112.6



#6

Chloroethane

Concen: 19.482 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.02 min

Lab File: VF061992.D

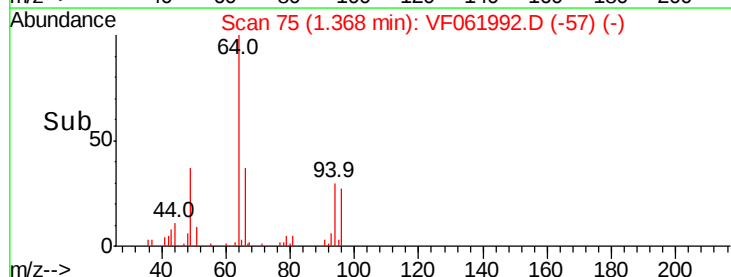
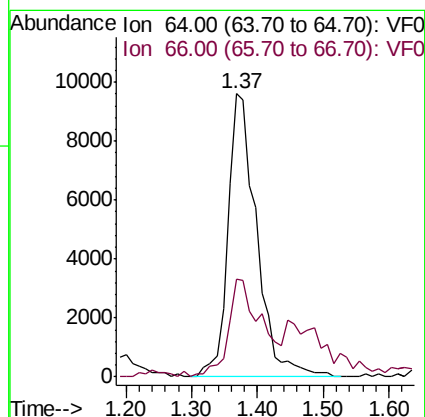
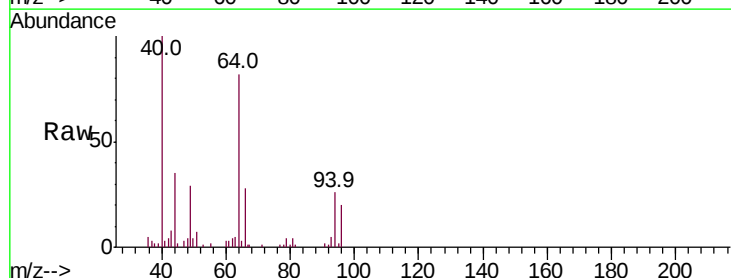
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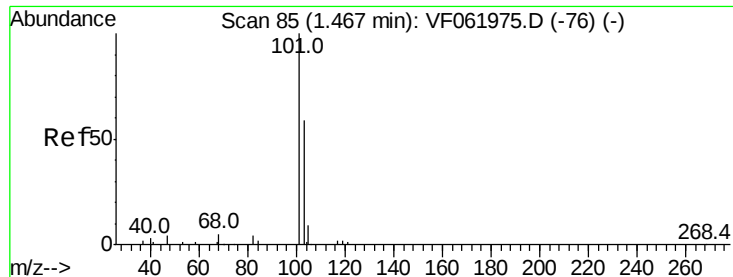
Tgt Ion: 64 Resp: 29357

Ion Ratio Lower Upper

64 100

66 34.5 27.6 41.4





#7

Trichlorofluoromethane

Concen: 20.030 ug/l

RT: 1.47 min Scan# 85

Delta R.T. -0.00 min

Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

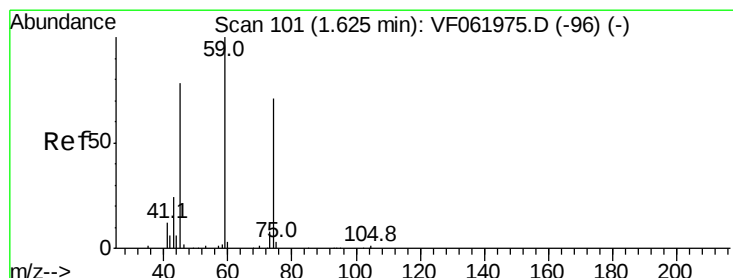
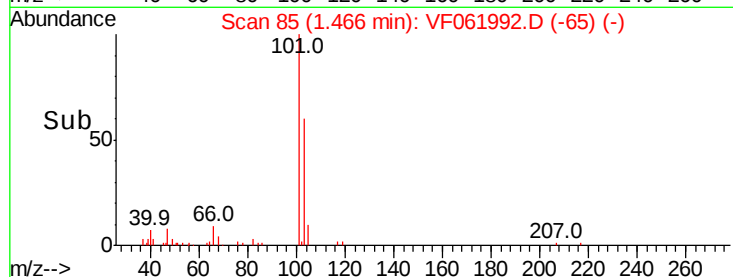
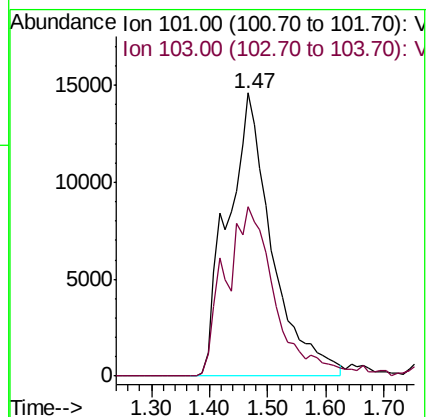
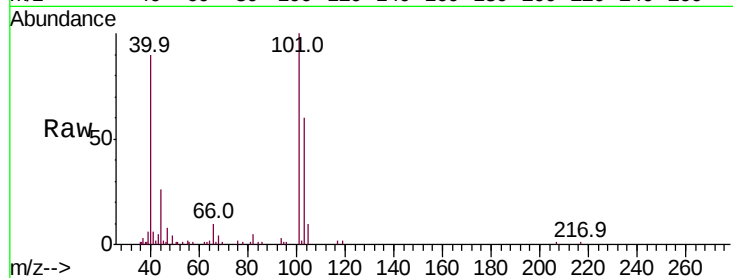
VF0318SBS01

Tot Ion:101 Resp: 77456

Ion Ratio Lower Upper

101 100

103 60.0 47.3 70.9



#8

Diethyl Ether

Concen: 18.409 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.00 min

Lab File: VF061992.D

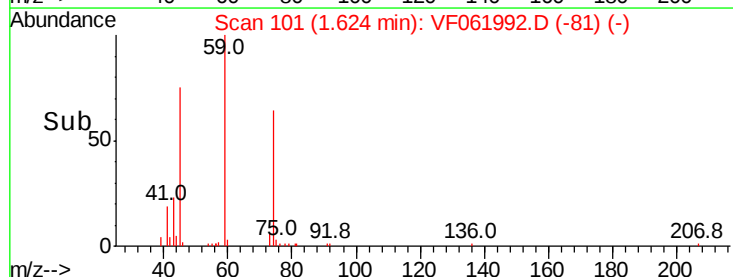
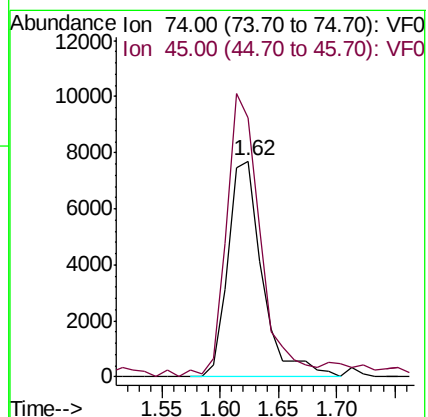
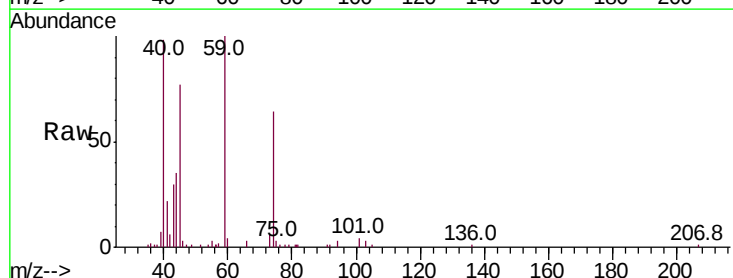
Acq: 18 Mar 2019 12:41

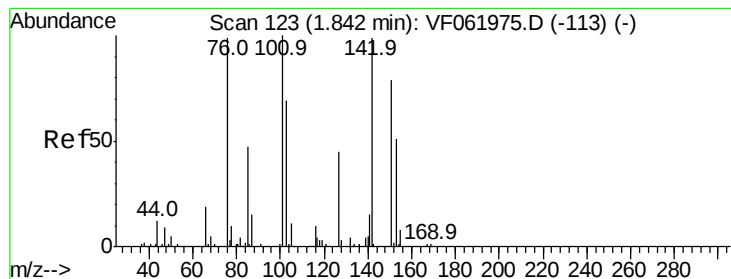
Tgt Ion: 74 Resp: 15826

Ion Ratio Lower Upper

74 100

45 120.1 56.3 168.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.805 ug/l

RT: 1.81 min Scan# 120

Delta R.T. -0.03 min

Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VF0318SBS01

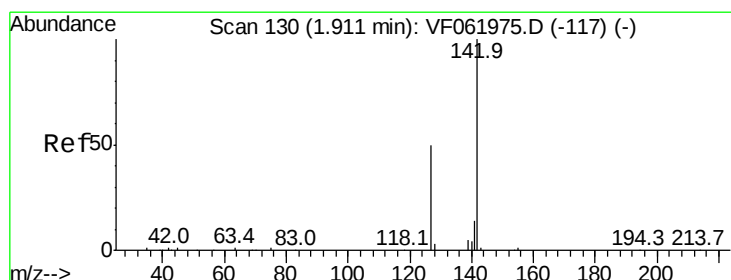
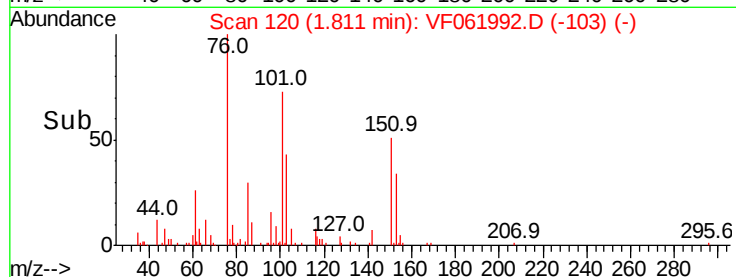
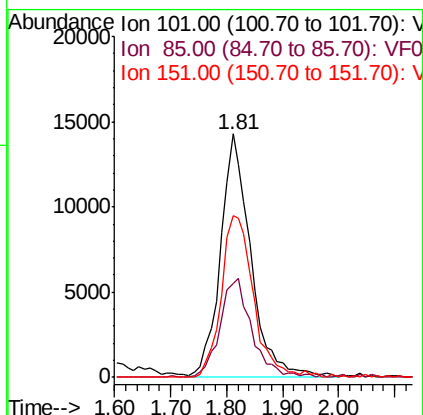
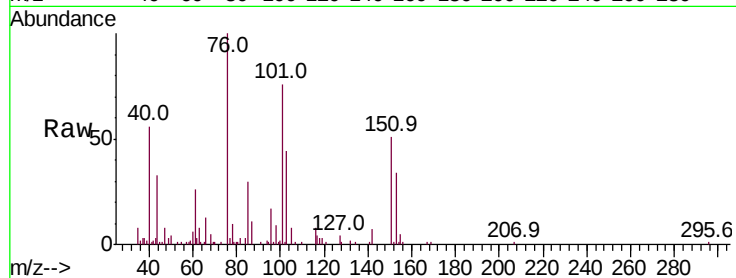
Tot Ion:101 Resp: 53961

Ion Ratio Lower Upper

101 100

85 38.8 36.8 55.2

151 66.5 62.2 93.2



#10

Methyl Iodide

Concen: 18.661 ug/l m

RT: 1.88 min Scan# 127

Delta R.T. -0.03 min

Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

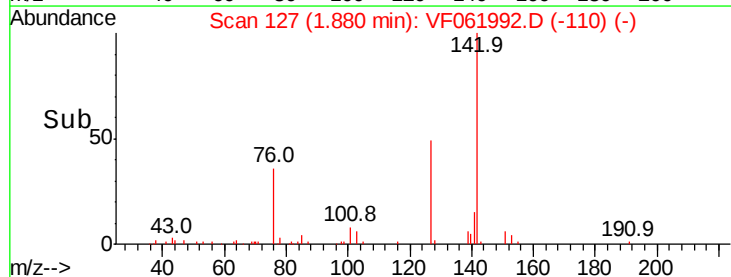
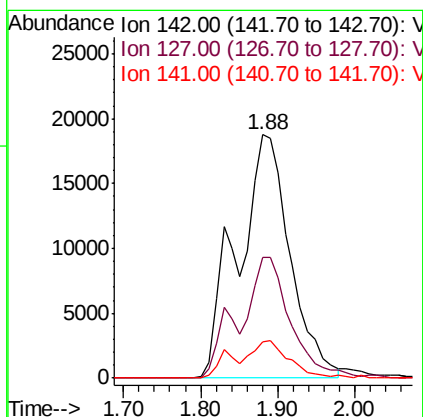
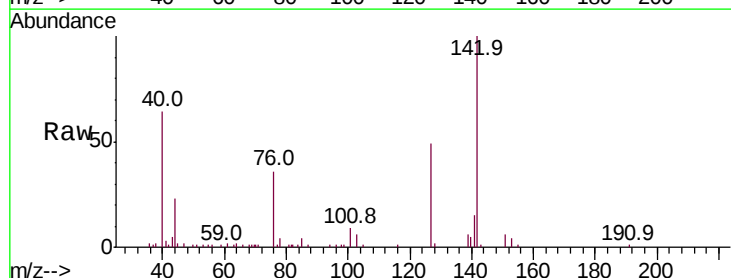
Tgt Ion:142 Resp: 88988

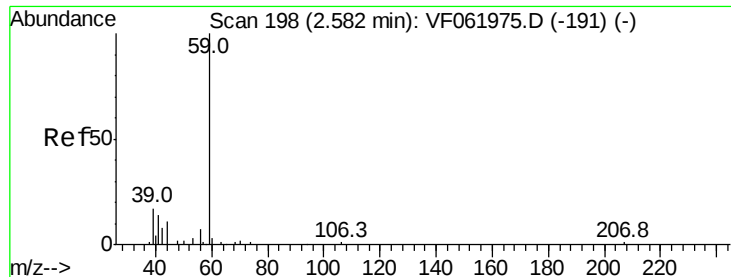
Ion Ratio Lower Upper

142 100

127 49.5 39.7 59.5

141 15.0 10.8 16.2



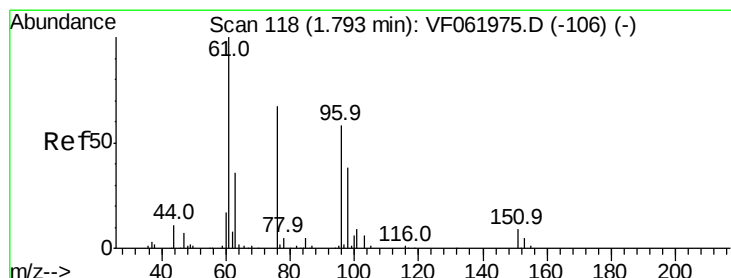
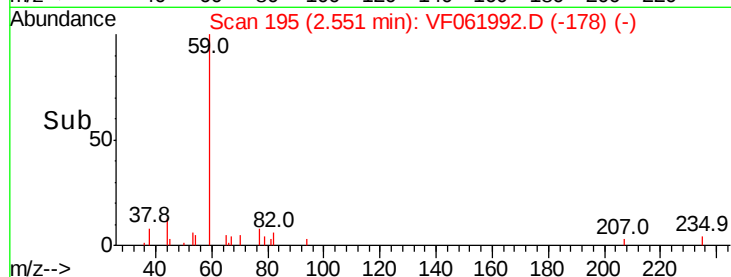
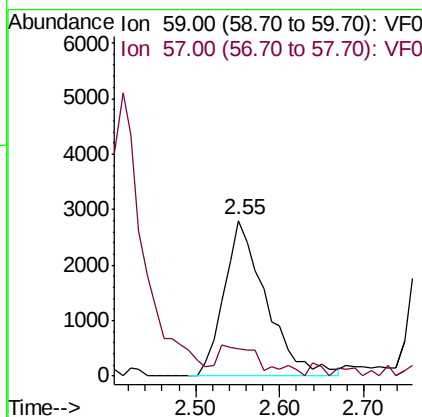
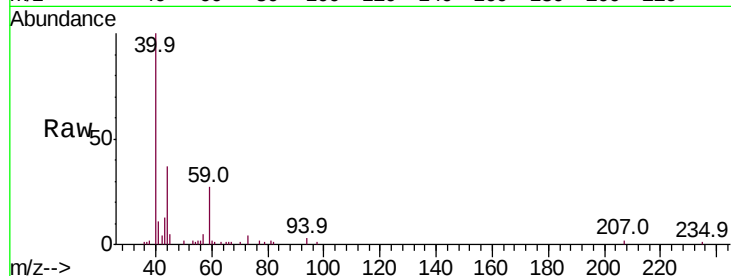


#11

Tert butyl alcohol
Concen: 79.324 ug/l
RT: 2.55 min Scan# 195
Delta R.T. -0.03 min
Lab File: VF061992.D
Acq: 18 Mar 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VF0318SBS01

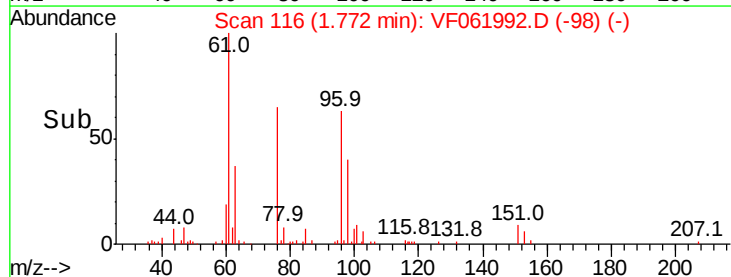
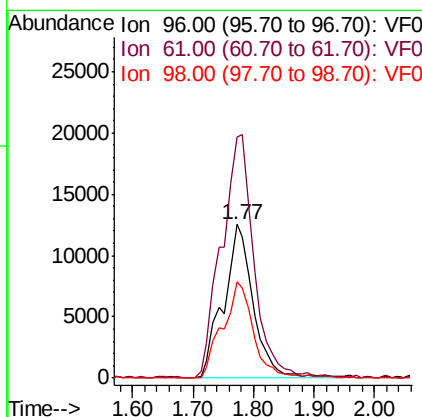
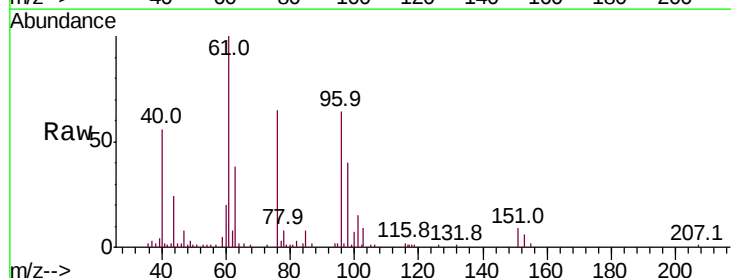
Tot Ion: 59 Resp: 9734
Ion Ratio Lower Upper
59 100
57 17.7 8.7 13.1#

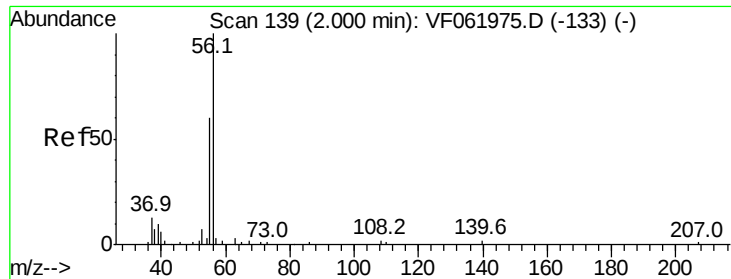


#12

1,1-Dichloroethene
Concen: 18.396 ug/l
RT: 1.77 min Scan# 116
Delta R.T. -0.02 min
Lab File: VF061992.D
Acq: 18 Mar 2019 12:41

Tgt Ion: 96 Resp: 43254
Ion Ratio Lower Upper
96 100
61 157.3 138.6 208.0
98 62.8 53.2 79.8





#13

Acrolein

Concen: 95.907 ug/l m

RT: 1.99 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

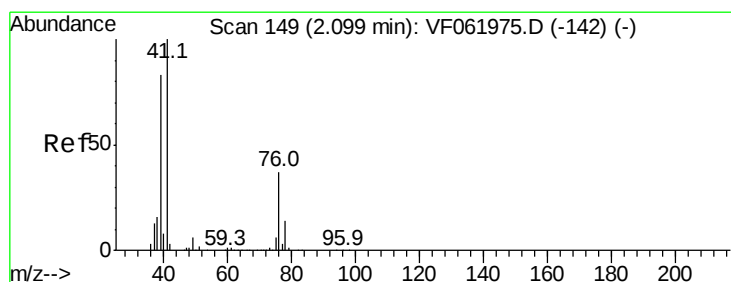
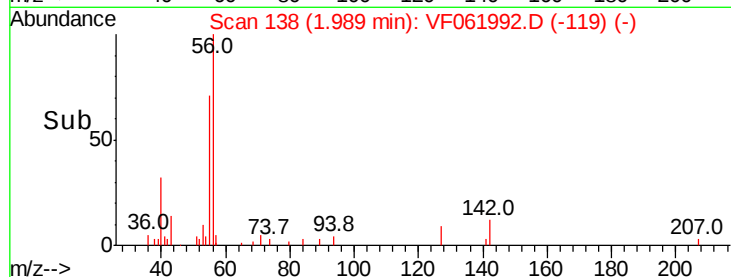
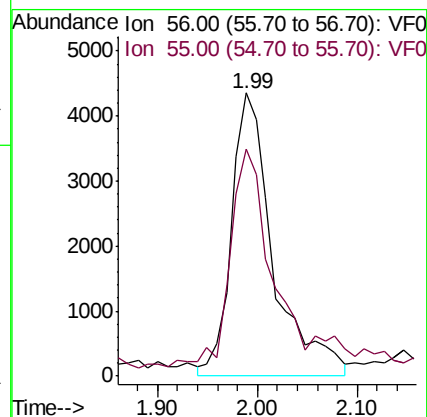
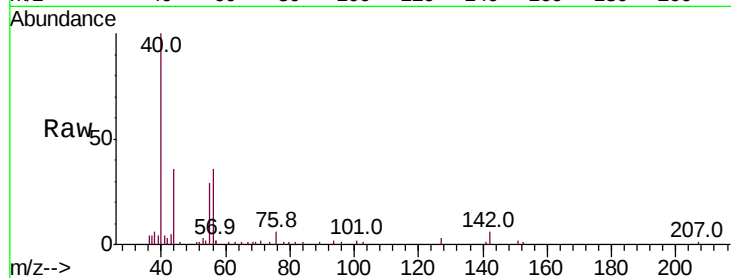
VF0318SBS01

Tot Ion: 56 Resp: 12705

Ion Ratio Lower Upper

56 100

55 80.4 49.1 73.7#



#14

Allyl chloride

Concen: 21.784 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.01 min

Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

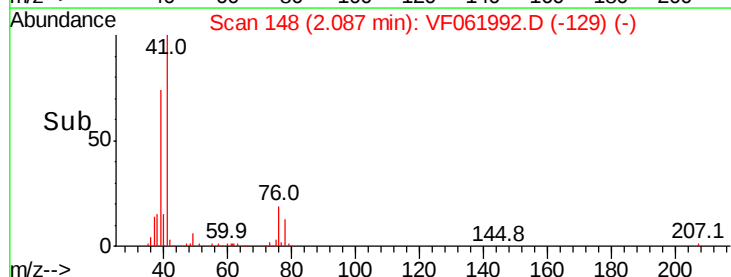
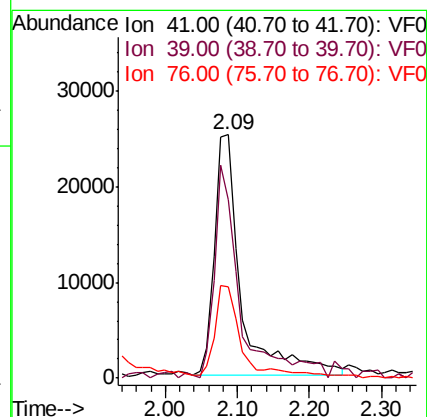
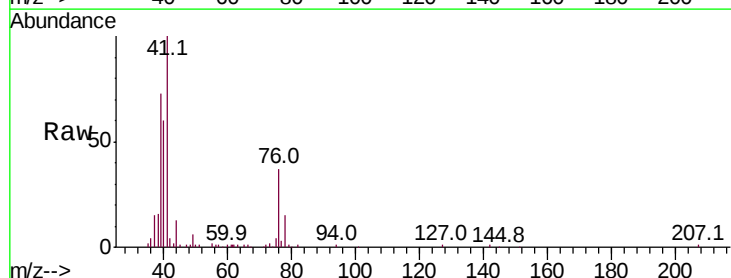
Tgt Ion: 41 Resp: 65383

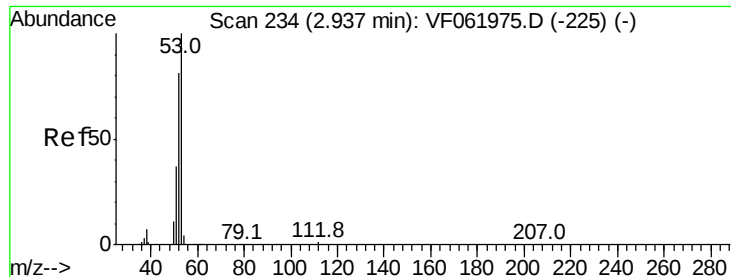
Ion Ratio Lower Upper

41 100

39 73.5 66.8 100.2

76 37.3 31.1 46.7

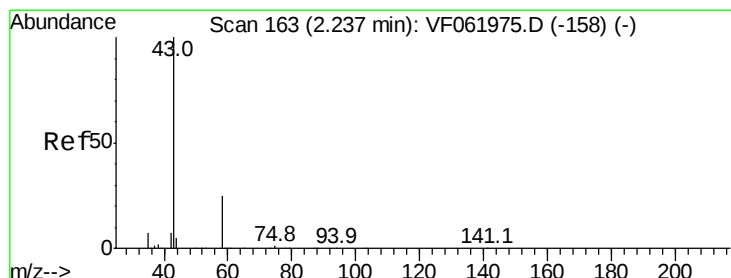
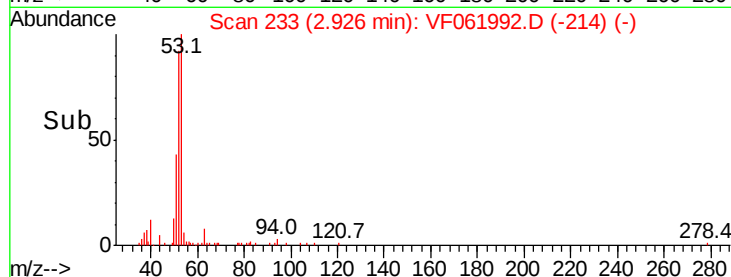
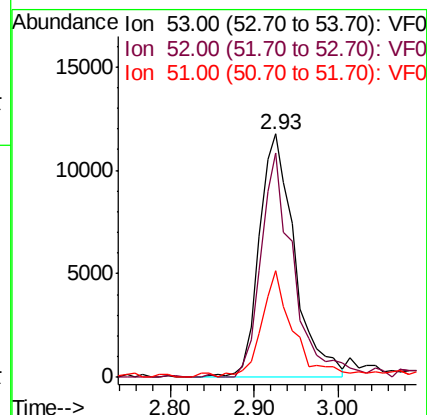
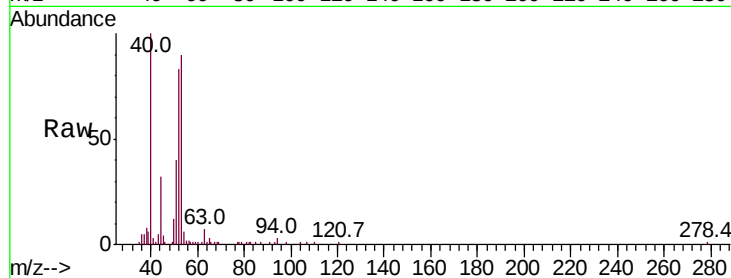




#15
 Acrylonitrile
 Concen: 92.906 ug/l
 RT: 2.93 min Scan# 233
 Delta R.T. -0.01 min
 Lab File: VF061992.D
 Acq: 18 Mar 2019 12:41

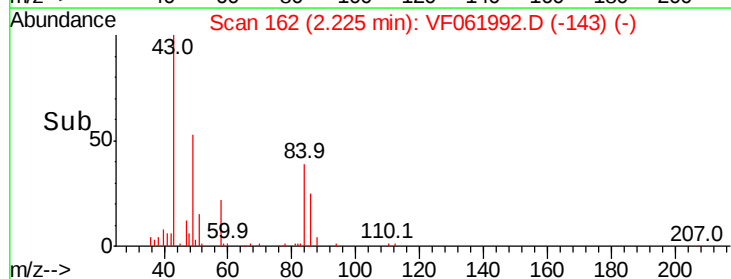
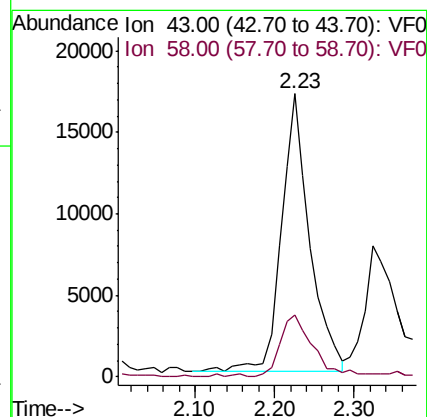
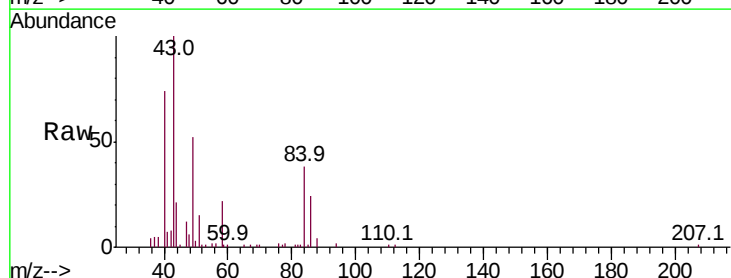
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0318SBS01

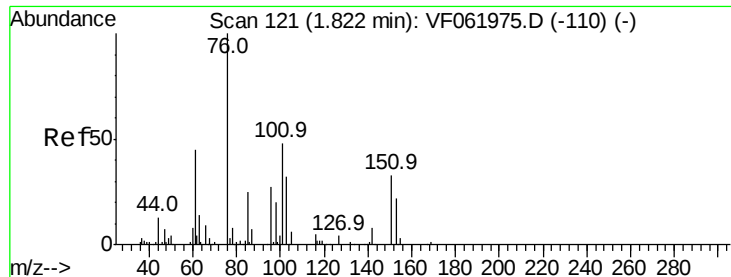
Tot Ion: 53 Resp: 34669
 Ion Ratio Lower Upper
 53 100
 52 92.1 64.4 96.6
 51 43.8 30.3 45.5



#16
 Acetone
 Concen: 94.030 ug/l
 RT: 2.23 min Scan# 162
 Delta R.T. -0.01 min
 Lab File: VF061992.D
 Acq: 18 Mar 2019 12:41

Tgt Ion: 43 Resp: 42344
 Ion Ratio Lower Upper
 43 100
 58 21.9 19.9 29.9

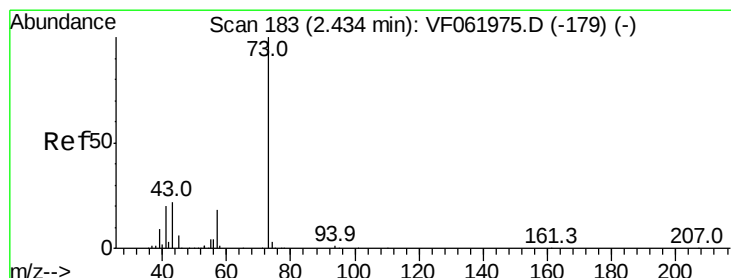
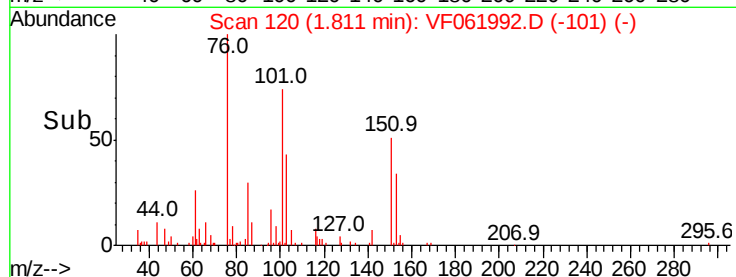
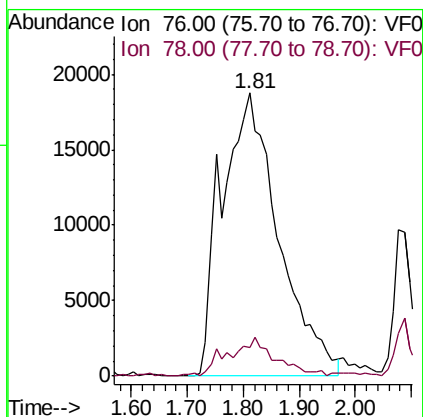
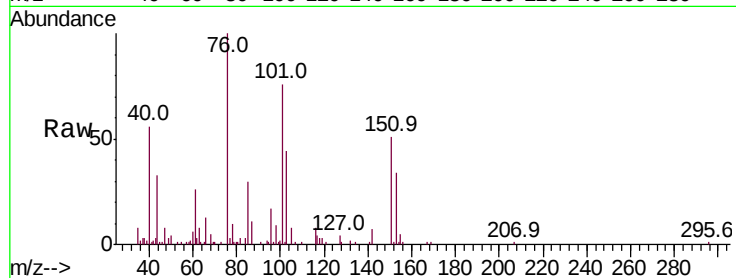




#17
Carbon Disulfide
Concen: 19.494 ug/l
RT: 1.81 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF061992.D
Acq: 18 Mar 2019 12:41

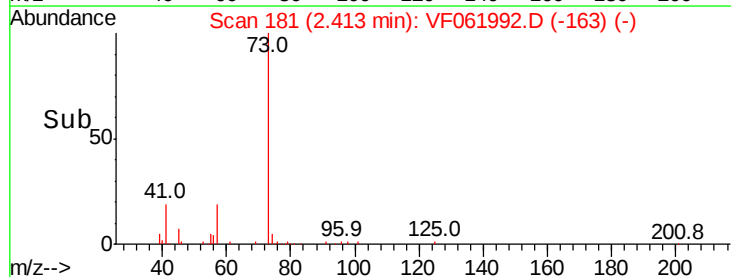
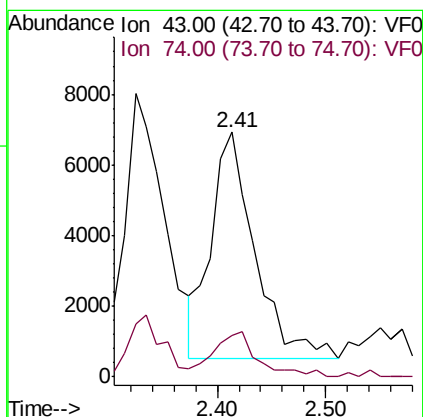
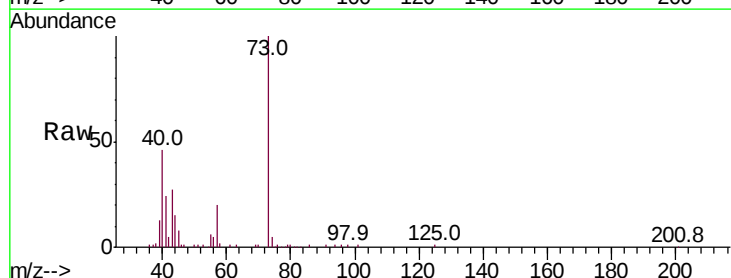
Instrument :
MSVOA_F
ClientSampleId :
VF0318SBS01

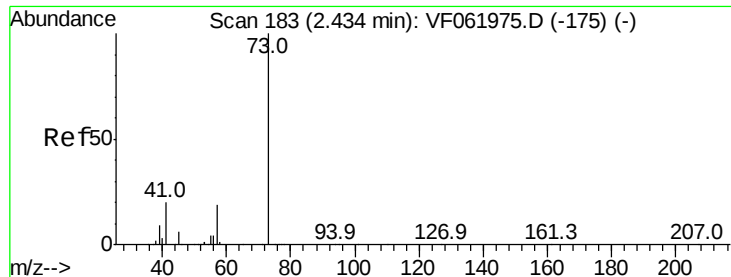
Tot Ion: 76 Resp: 132566
Ion Ratio Lower Upper
76 100
78 9.9 6.8 10.2



#18
Methyl Acetate
Concen: 19.460 ug/l
RT: 2.41 min Scan# 181
Delta R.T. -0.02 min
Lab File: VF061992.D
Acq: 18 Mar 2019 12:41

Tgt Ion: 43 Resp: 17928
Ion Ratio Lower Upper
43 100
74 17.1 12.6 18.8





#19

Methyl tert-butyl Ether

Concen: 17.218 ug/l

RT: 2.41 min Scan# 181

Delta R.T. -0.02 min

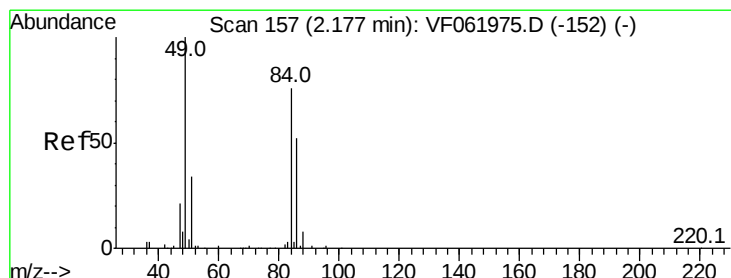
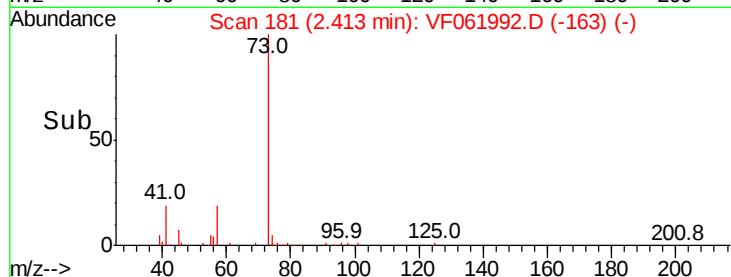
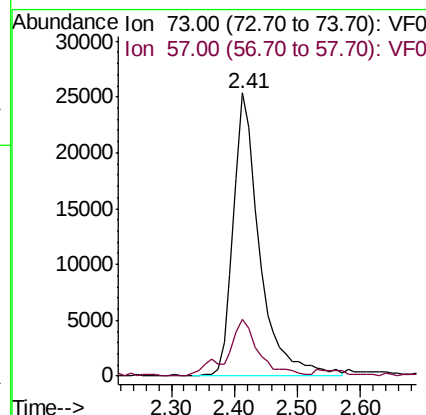
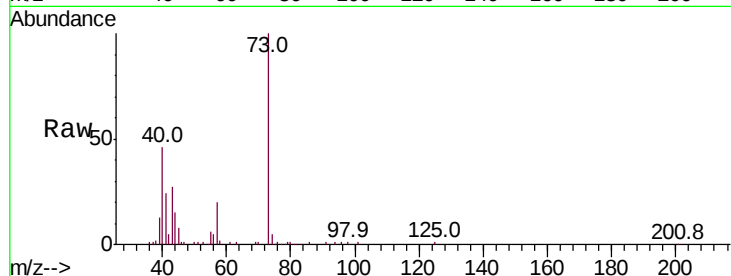
Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VF0318SBS01

Tot Ion: 73 Resp: 73359

Ion	Ratio	Lower	Upper
73	100		
57	20.1	15.3	22.9



#20

Methylene Chloride

Concen: 19.055 ug/l m

RT: 2.17 min Scan# 156

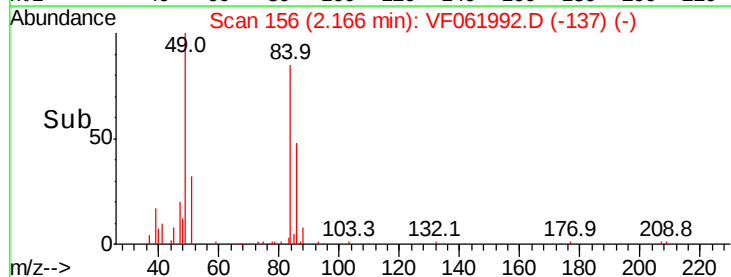
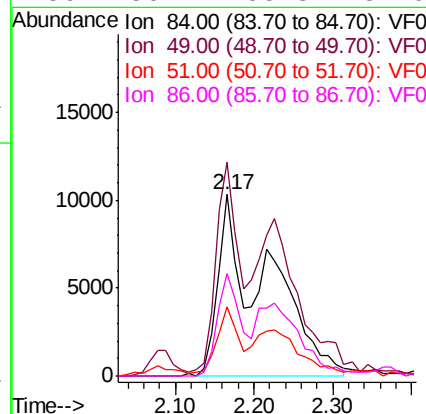
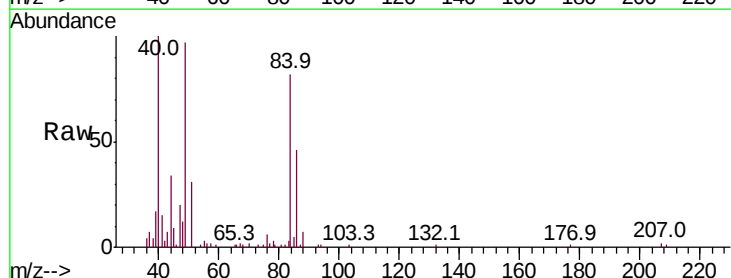
Delta R.T. -0.01 min

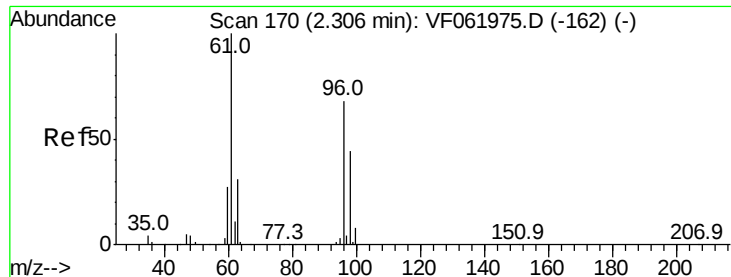
Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

Tgt Ion: 84 Resp: 44177

Ion	Ratio	Lower	Upper
84	100		
49	117.6	107.0	160.6
51	37.9	37.2	55.8
86	56.2	55.3	82.9





#21

trans-1,2-Dichloroethene

Concen: 18.314 ug/l

RT: 2.29 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VF0318SBS01

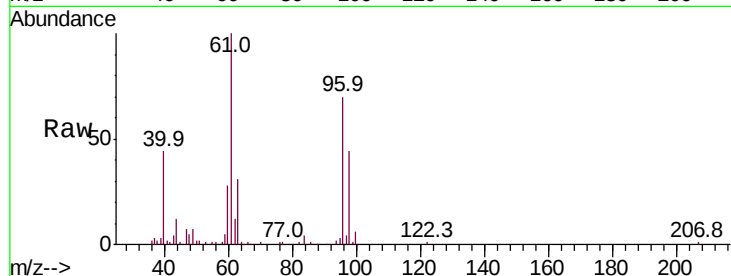
Tot Ion: 96 Resp: 44939

Ion Ratio Lower Upper

96 100

61 142.9 117.4 176.2

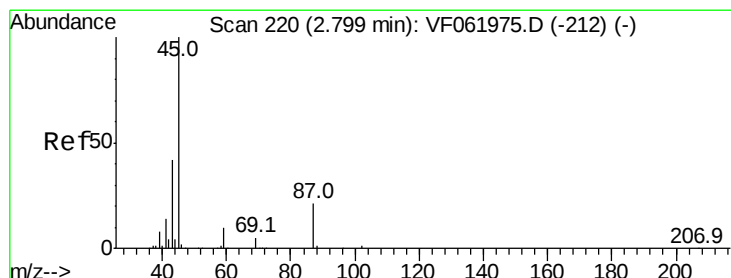
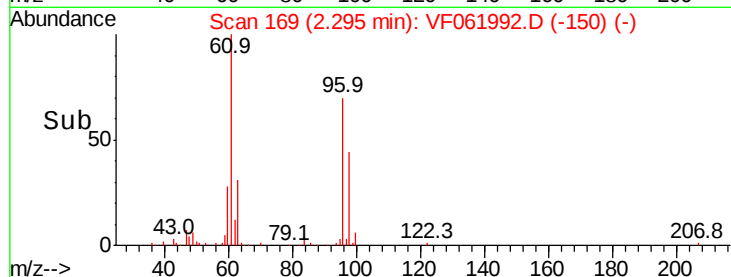
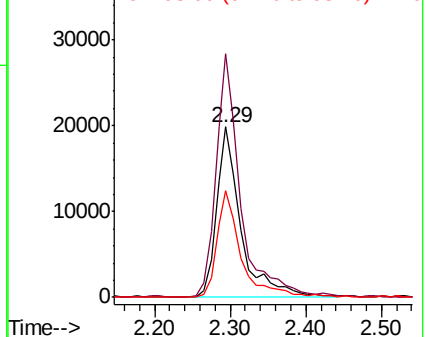
98 62.4 51.2 76.8



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 18.606 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.01 min

Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

Tgt Ion: 45 Resp: 134323

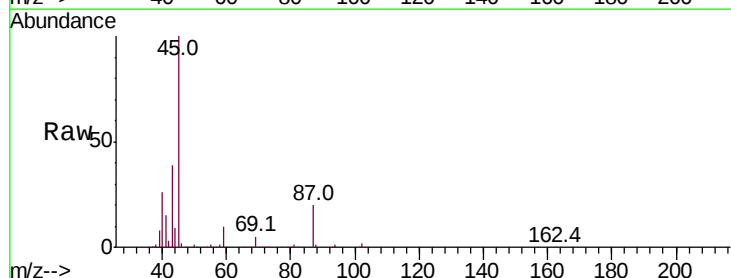
Ion Ratio Lower Upper

45 100

43 39.4 33.7 50.5

87 20.0 17.1 25.7

59 10.4 8.0 12.0

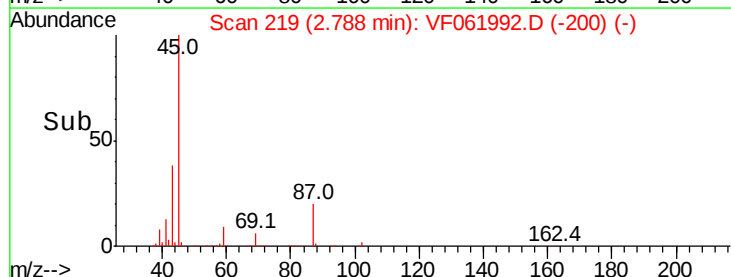
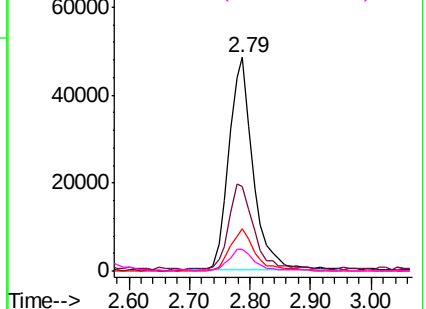


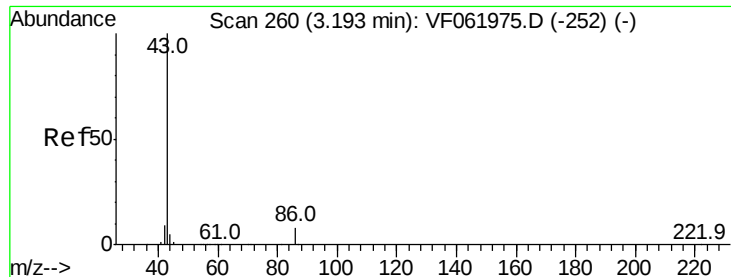
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 98.860 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.02 min

Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

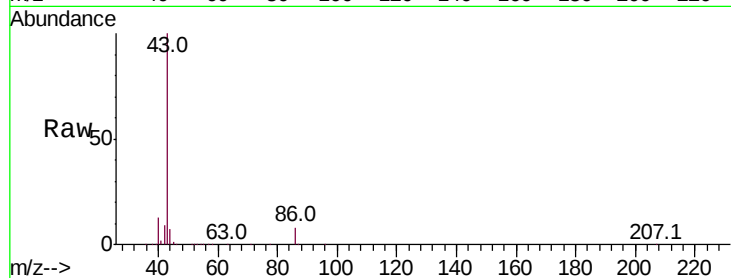
VF0318SBSD01

Tot Ion: 43 Resp: 281355

Ion Ratio Lower Upper

43 100

86 8.1 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.17

120000

100000

80000

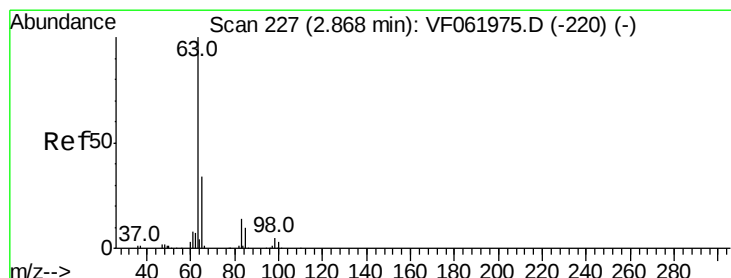
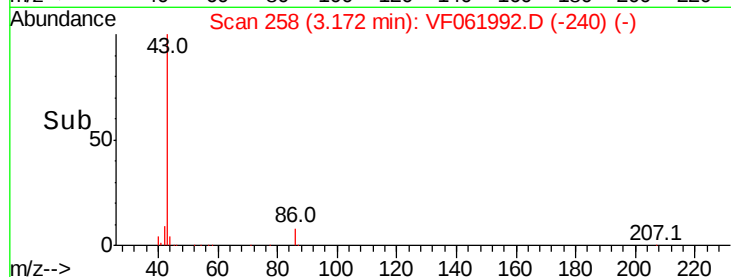
60000

40000

20000

0

Time--> 3.00 3.10 3.20 3.30 3.40



#24

1,1-Dichloroethane

Concen: 18.812 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.01 min

Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

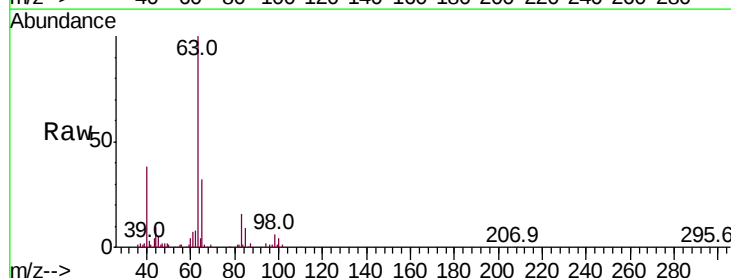
Tgt Ion: 63 Resp: 78969

Ion Ratio Lower Upper

63 100

98 5.5 2.7 8.1

100 4.3 1.7 5.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.86

40000

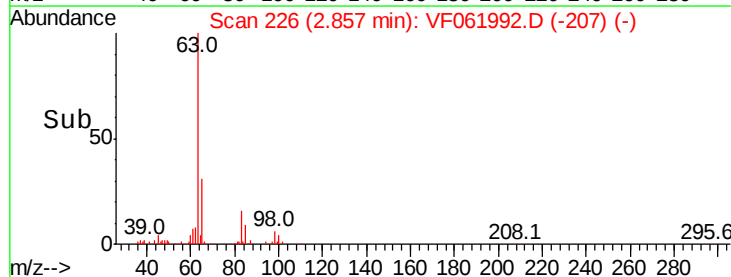
30000

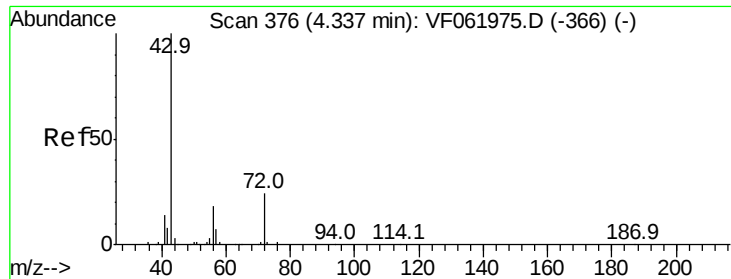
20000

10000

0

Time--> 2.70 2.80 2.90 3.00





#25

2-Butanone

Concen: 89.383 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.02 min

Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

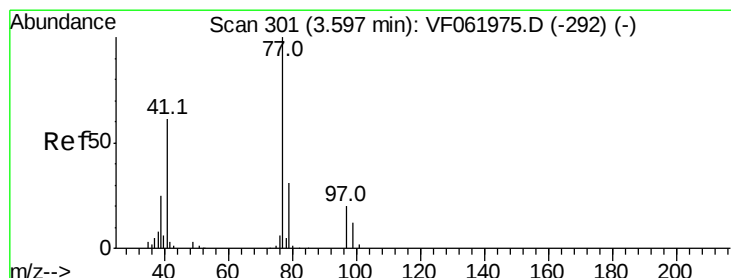
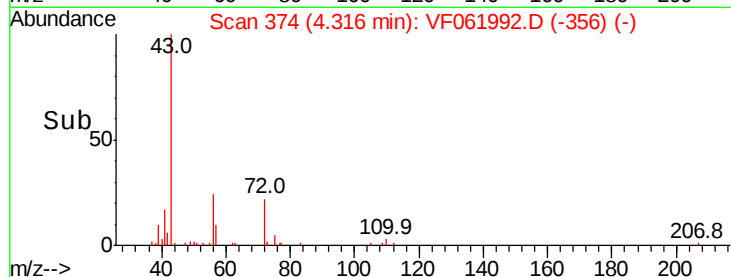
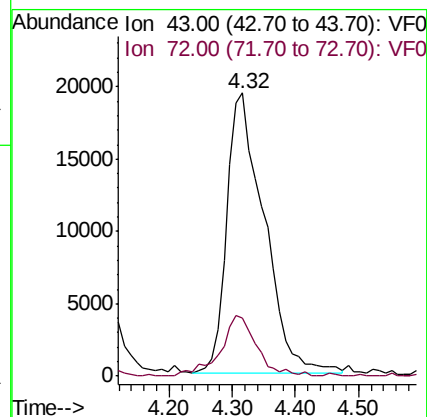
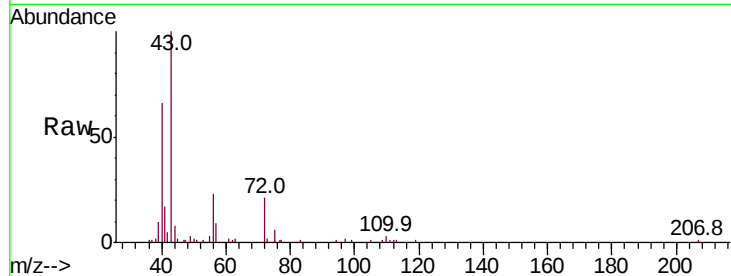
VF0318SBS01

Tot Ion: 43 Resp: 79716

Ion Ratio Lower Upper

43 100

72 20.6 19.8 29.6



#26

2,2-Dichloropropane

Concen: 19.265 ug/l

RT: 3.57 min Scan# 298

Delta R.T. -0.03 min

Lab File: VF061992.D

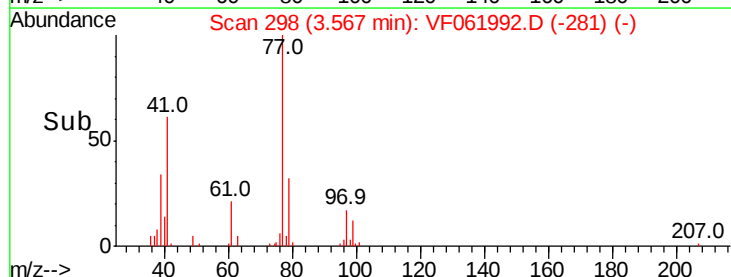
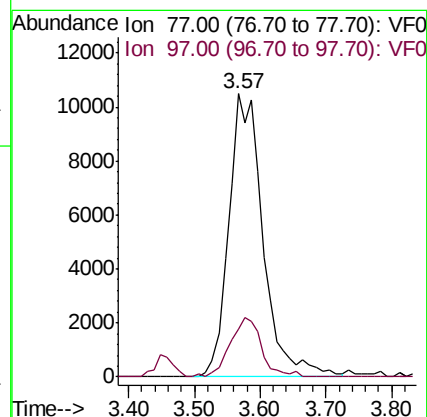
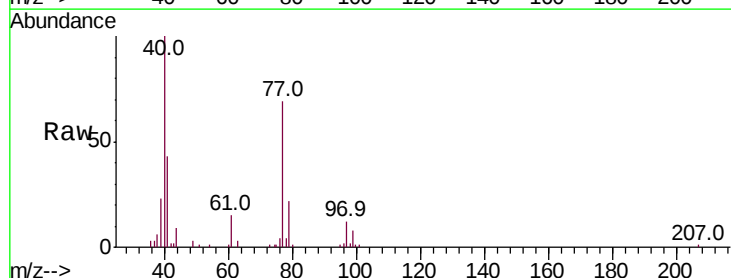
Acq: 18 Mar 2019 12:41

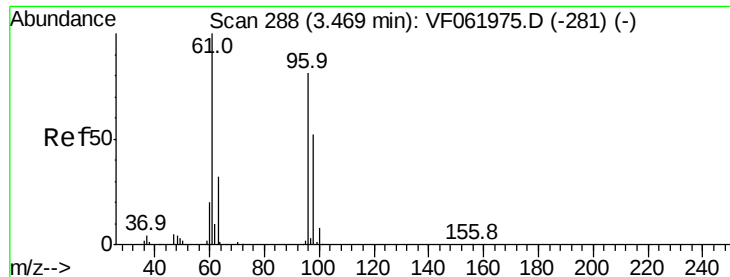
Tgt Ion: 77 Resp: 38146

Ion Ratio Lower Upper

77 100

97 17.1 10.8 32.4



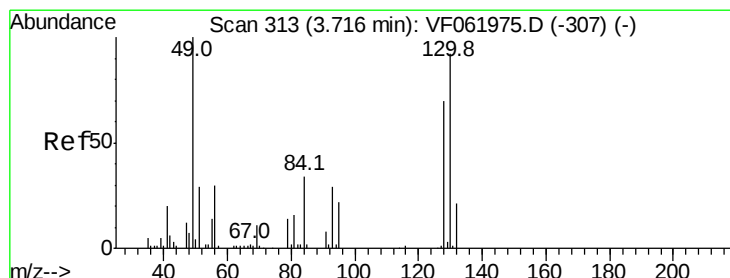
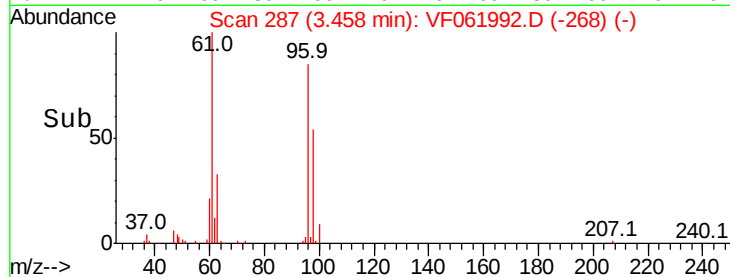
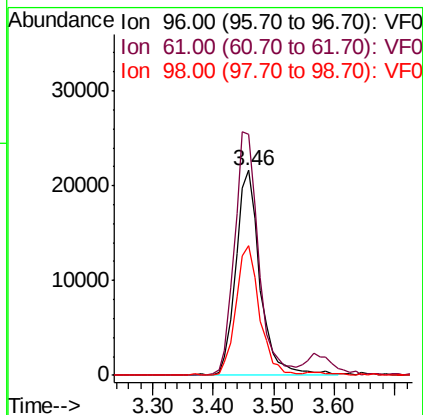
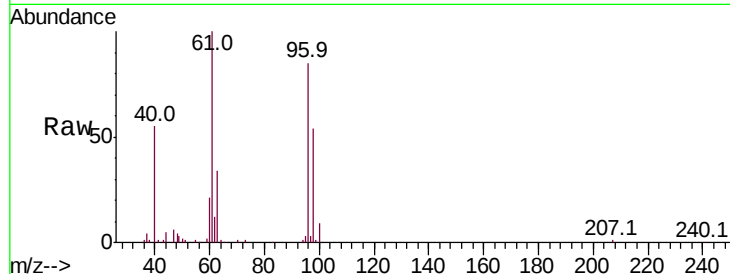


#27

cis-1,2-Dichloroethene
Concen: 19.469 ug/l
RT: 3.46 min Scan# 287
Delta R.T. -0.01 min
Lab File: VF061992.D
Acq: 18 Mar 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VF0318SBS01

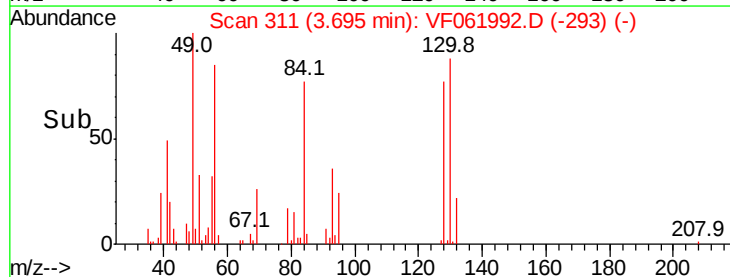
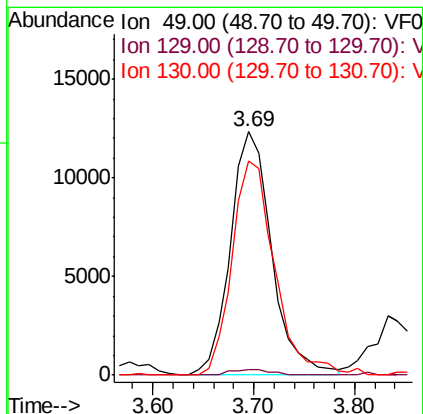
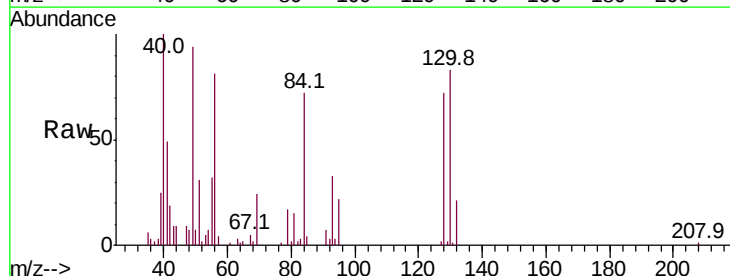
Tot Ion: 96 Resp: 60213
Ion Ratio Lower Upper
96 100
61 117.8 0.0 246.6
98 63.5 0.0 129.2

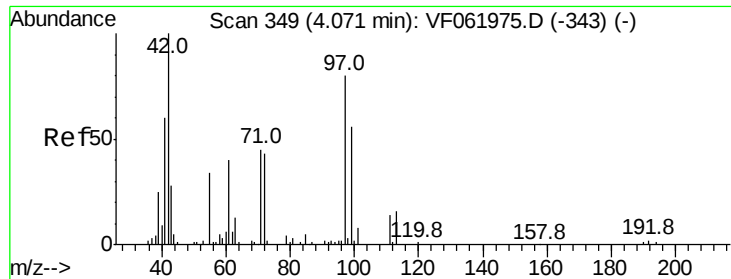


#28

Bromochloromethane
Concen: 20.295 ug/l
RT: 3.69 min Scan# 311
Delta R.T. -0.02 min
Lab File: VF061992.D
Acq: 18 Mar 2019 12:41

Tgt Ion: 49 Resp: 35351
Ion Ratio Lower Upper
49 100
129 2.4 0.0 5.8
130 87.9 73.1 109.7

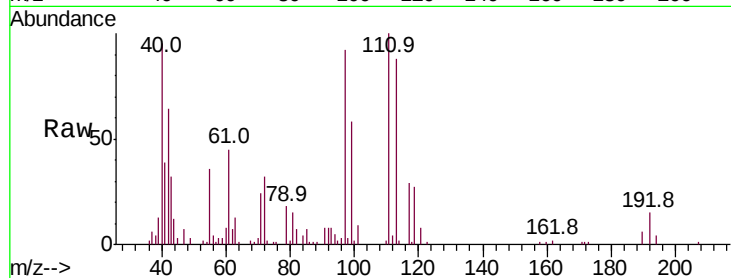




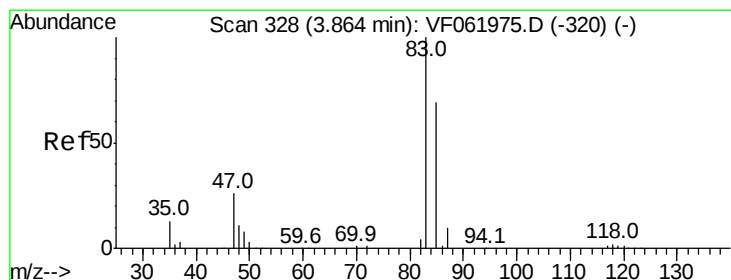
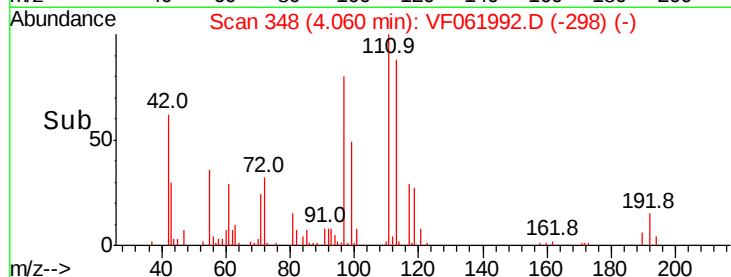
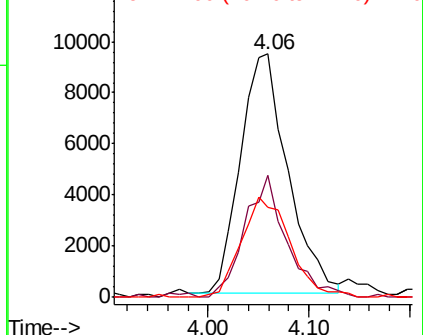
#29
Tetrahydrofuran
Concen: 79.240 ug/l
RT: 4.06 min Scan# 348
Delta R.T. -0.01 min
Lab File: VF061992.D
Acq: 18 Mar 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VF0318SBS01

Tot Ion: 42 Resp: 30734
Ion Ratio Lower Upper
42 100
72 45.1 34.0 51.0
71 43.1 34.2 51.4

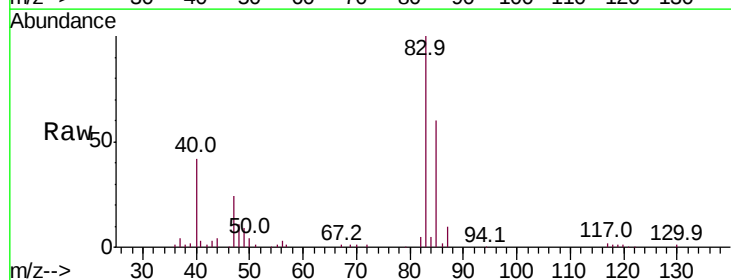


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

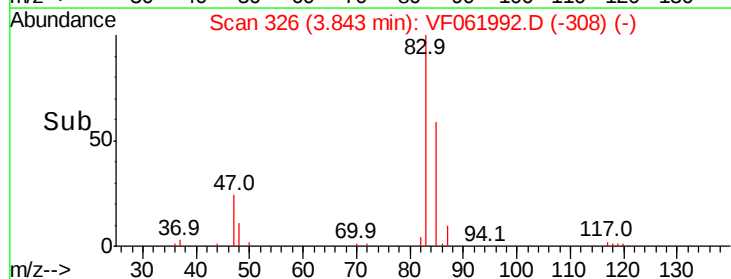
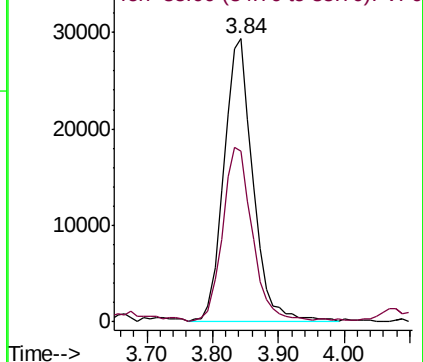


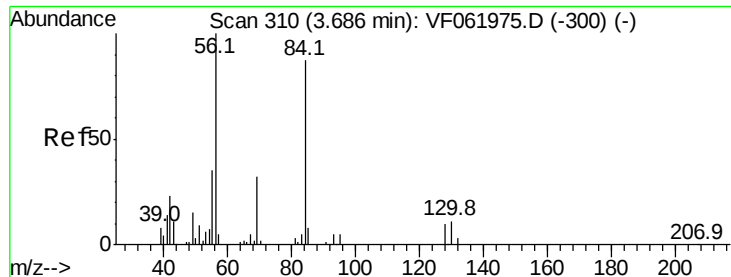
#30
Chloroform
Concen: 19.139 ug/l
RT: 3.84 min Scan# 326
Delta R.T. -0.02 min
Lab File: VF061992.D
Acq: 18 Mar 2019 12:41

Tgt Ion: 83 Resp: 91032
Ion Ratio Lower Upper
83 100
85 60.3 55.5 83.3



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0

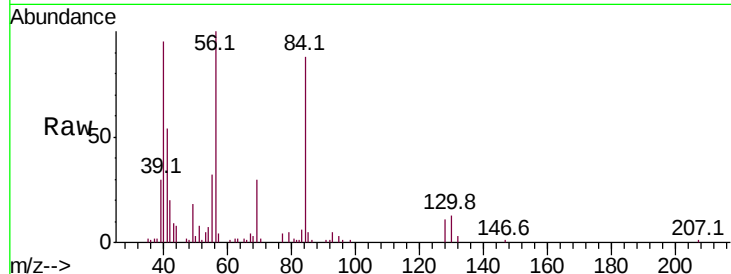




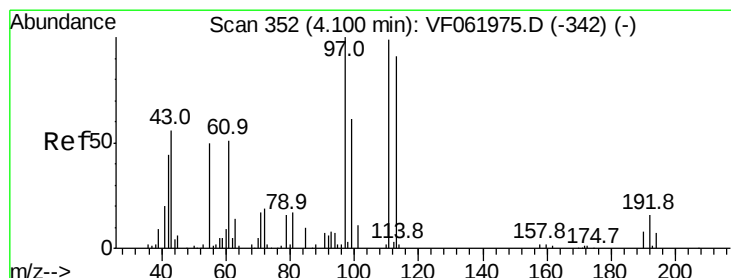
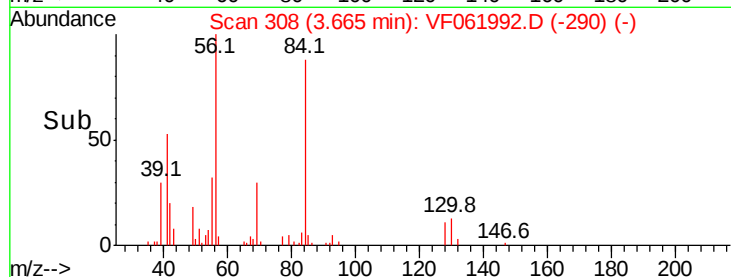
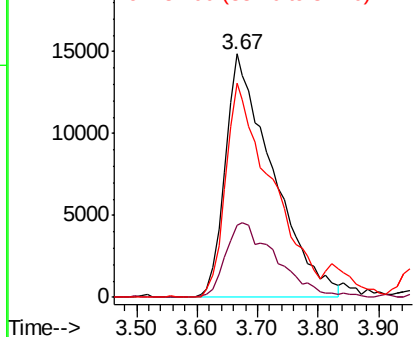
#31
Cvclohexane
Concen: 19.633 ug/l
RT: 3.67 min Scan# 308
Delta R.T. -0.02 min
Lab File: VF061992.D
Acq: 18 Mar 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VF0318SBS01

Tot Ion: 56 Resp: 80748
Ion Ratio Lower Upper
56 100
69 29.6 25.8 38.8
84 88.0 69.5 104.3

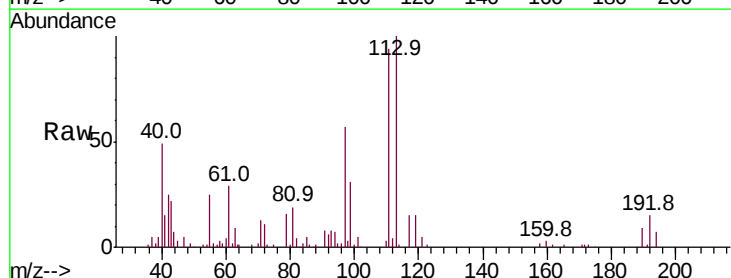


Abundance Ion 56.00 (55.70 to 56.70): VF0
20000 Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

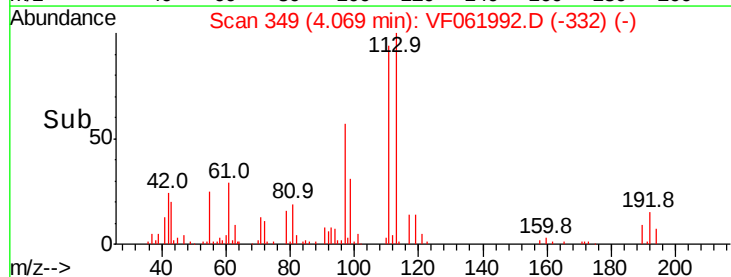
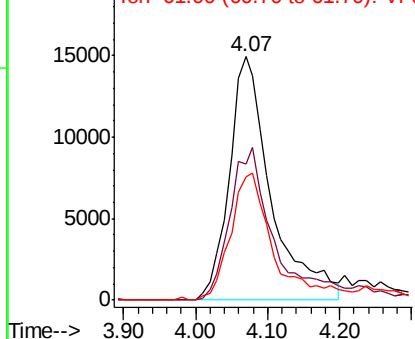


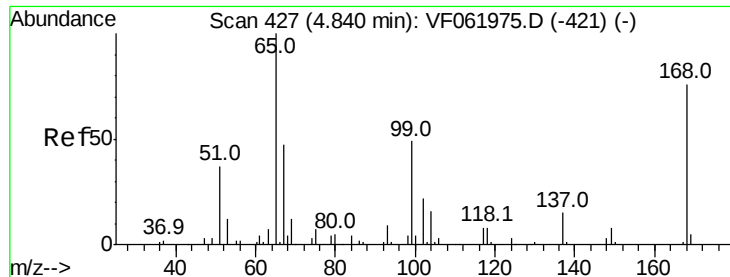
#32
1,1,1-Trichloroethane
Concen: 19.265 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.03 min
Lab File: VF061992.D
Acq: 18 Mar 2019 12:41

Tgt Ion: 97 Resp: 60853
Ion Ratio Lower Upper
97 100
99 55.7 49.0 73.4
61 50.4 41.4 62.0



Abundance Ion 97.00 (96.70 to 97.70): VF0
20000 Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 47.079 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.02 min

Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

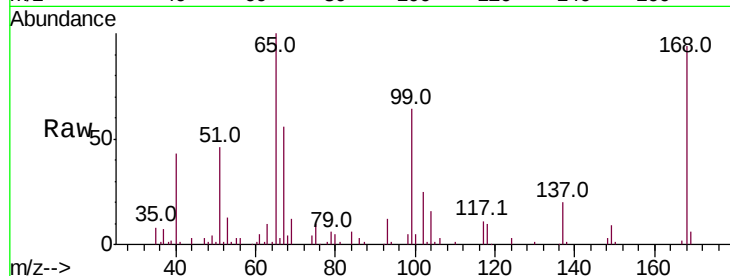
VF0318SBS01

Tot Ion: 65 Resp: 94413

Ion Ratio Lower Upper

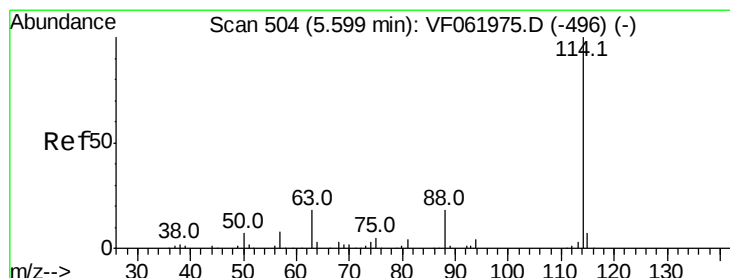
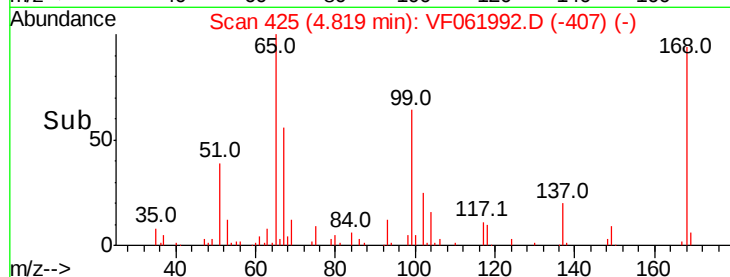
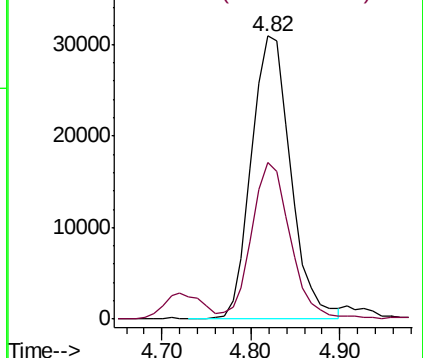
65 100

67 55.6 0.0 109.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.02 min

Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

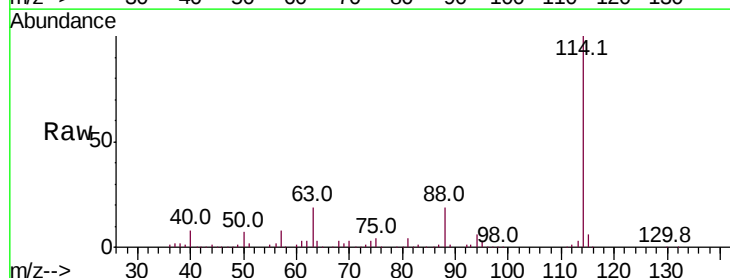
Tgt Ion:114 Resp: 405893

Ion Ratio Lower Upper

114 100

63 19.3 0.0 36.4

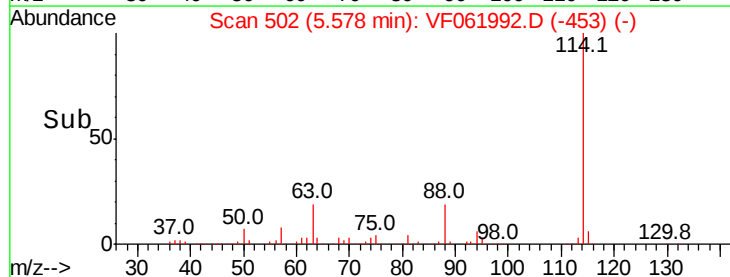
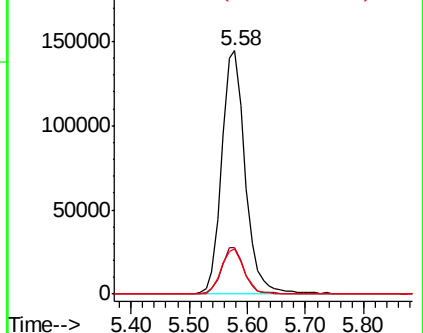
88 18.7 0.0 36.4

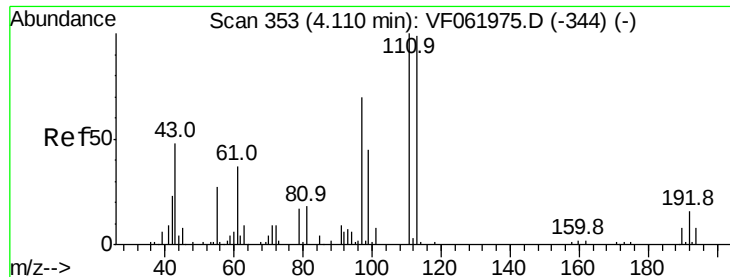


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 47.920 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VF0318SBS01

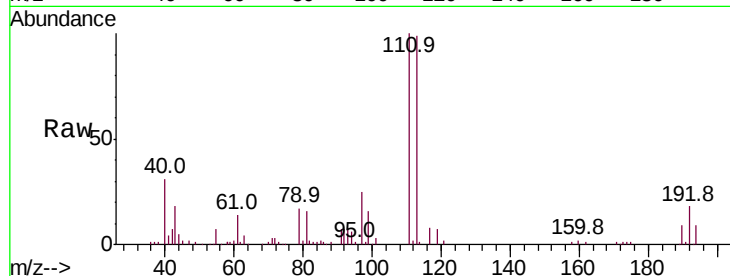
Tot Ion:113 Resp: 130613

Ion Ratio Lower Upper

113 100

111 101.5 80.8 121.2

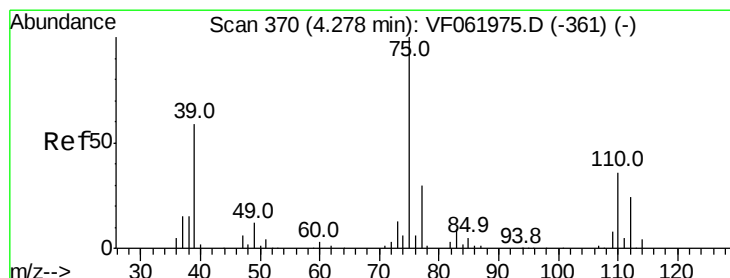
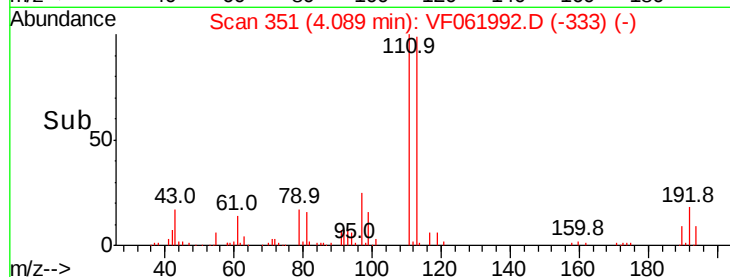
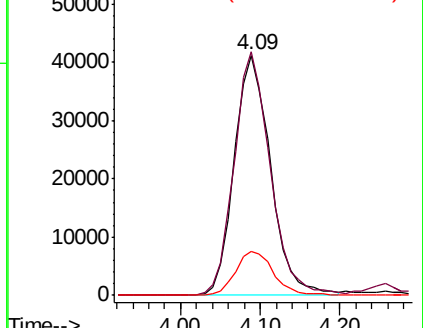
192 18.4 13.0 19.6



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 20.276 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.02 min

Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

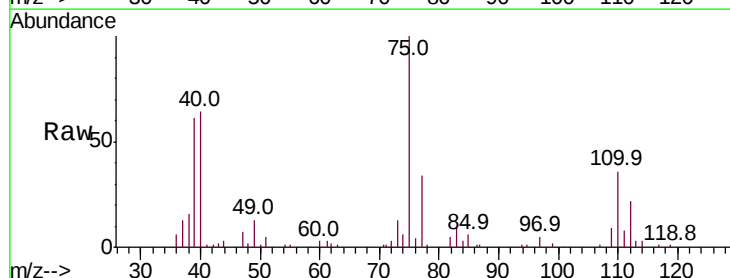
Tgt Ion: 75 Resp: 74319

Ion Ratio Lower Upper

75 100

110 36.0 17.8 53.3

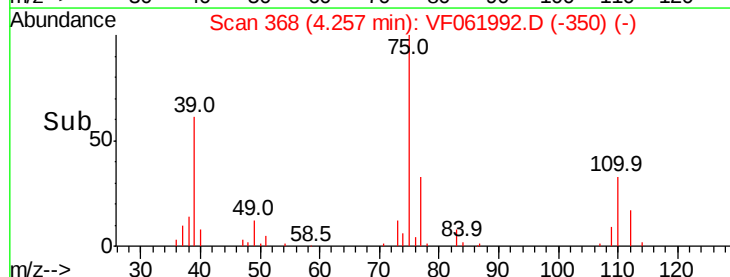
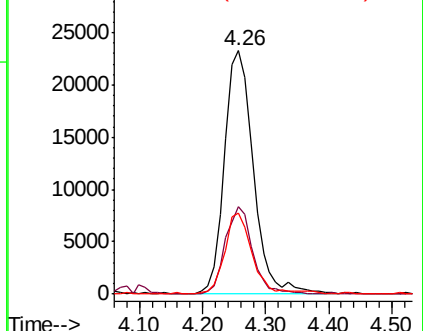
77 33.6 24.2 36.2

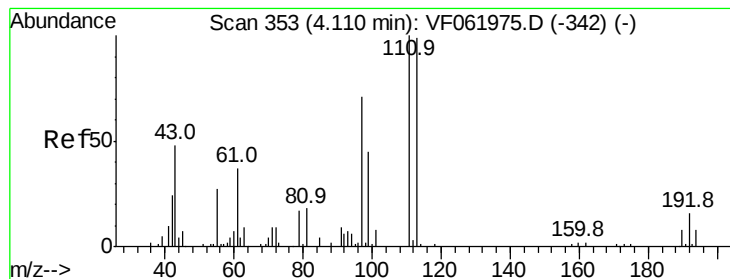


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 17.832 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VF0318SBS01

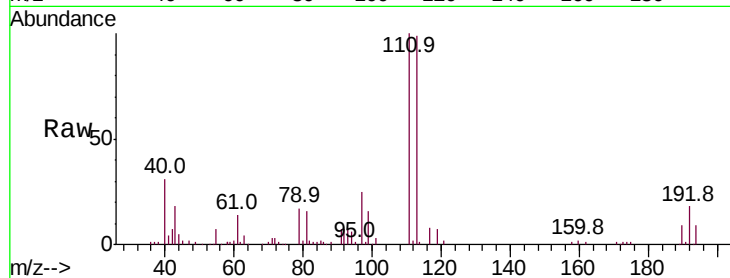
Tot Ion: 43 Resp: 29348

Ion Ratio Lower Upper

43 100

61 79.5 59.8 89.6

70 6.8 7.8 11.8#

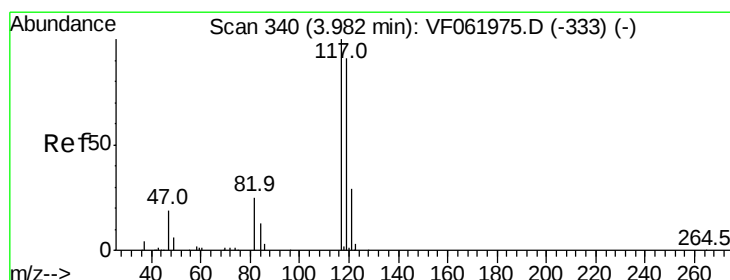
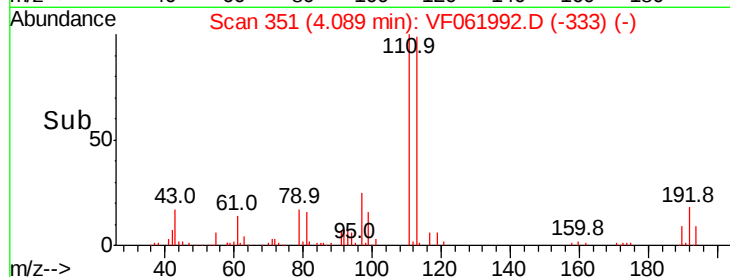
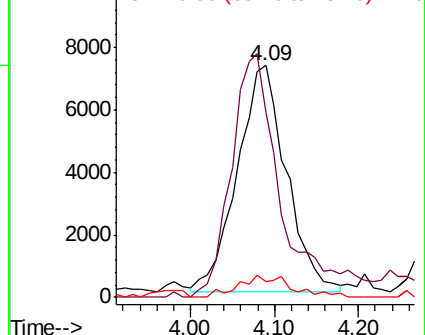


Abundance

Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 21.958 ug/l

RT: 3.97 min Scan# 339

Delta R.T. -0.01 min

Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

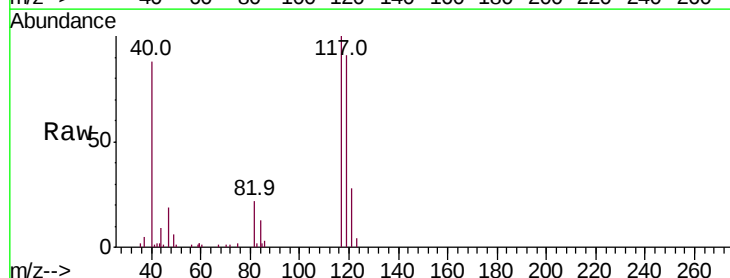
Tgt Ion: 117 Resp: 58821

Ion Ratio Lower Upper

117 100

119 91.4 73.0 109.4

121 28.5 23.0 34.6

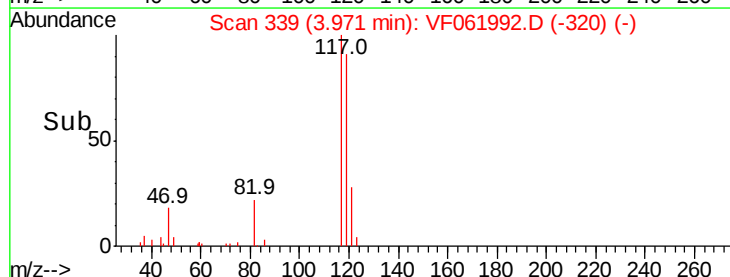
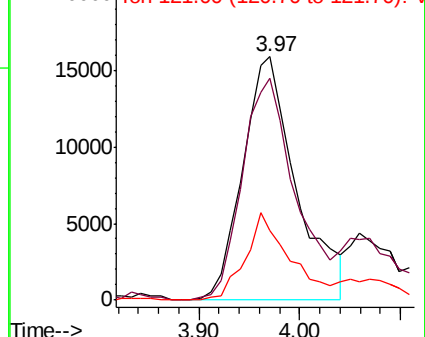


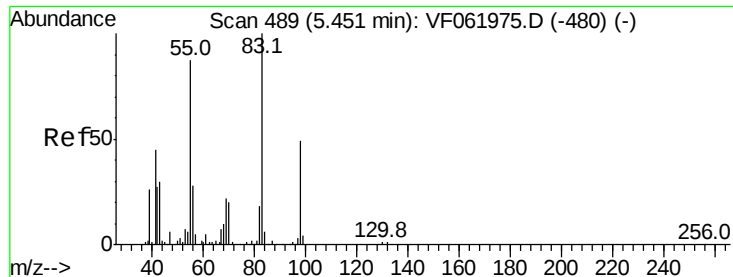
Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

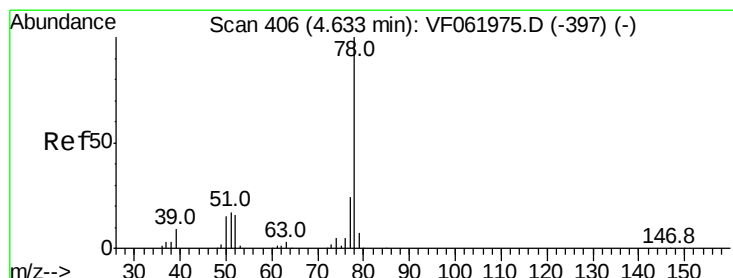
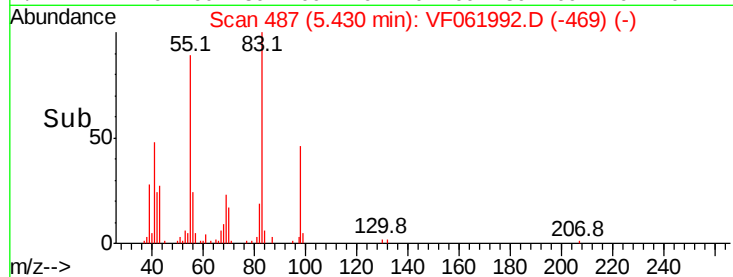
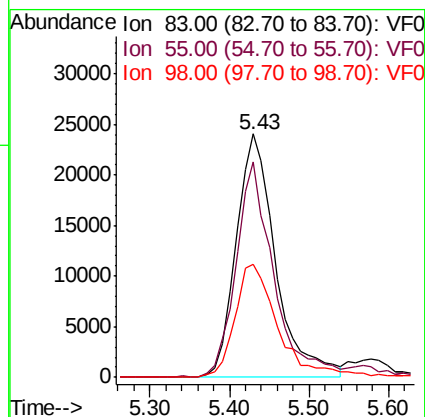
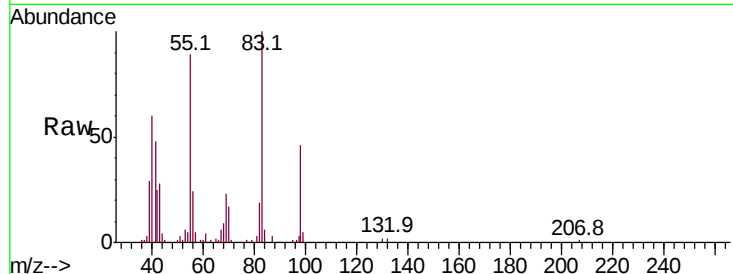




#39
Methvlcvclohexane
Concen: 19.190 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.02 min
Lab File: VF061992.D
Acq: 18 Mar 2019 12:41

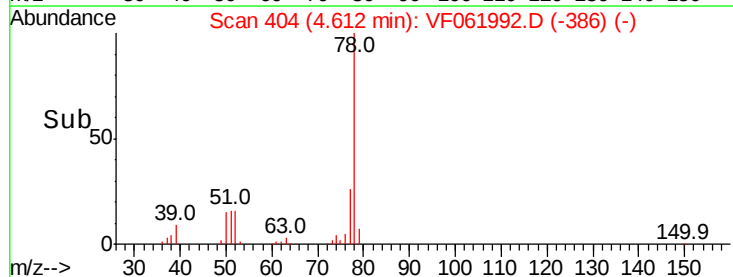
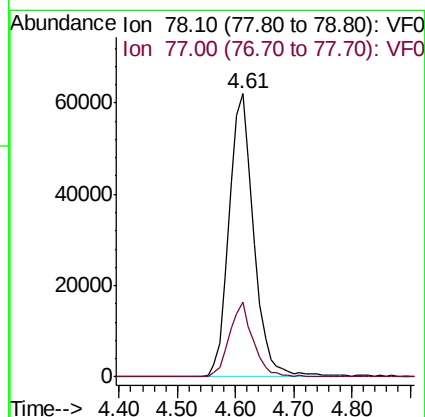
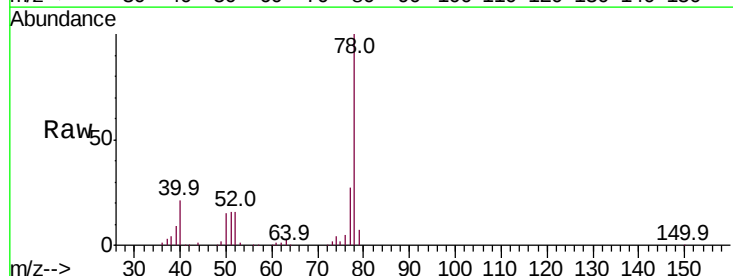
Instrument :
MSVOA_F
ClientSampleId :
VF0318SBS01

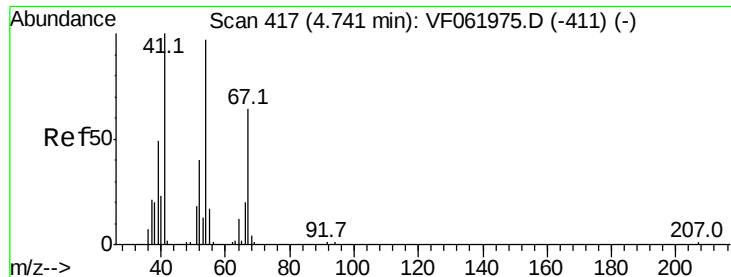
Tot Ion: 83 Resp: 82576
Ion Ratio Lower Upper
83 100
55 88.6 69.7 104.5
98 46.2 39.4 59.0



#40
Benzene
Concen: 18.871 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.02 min
Lab File: VF061992.D
Acq: 18 Mar 2019 12:41

Tgt Ion: 78 Resp: 183288
Ion Ratio Lower Upper
78 100
77 26.6 19.0 28.4

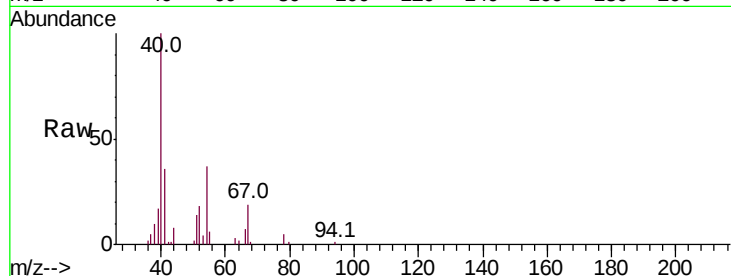




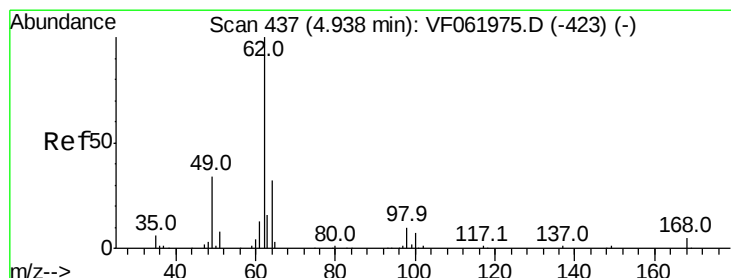
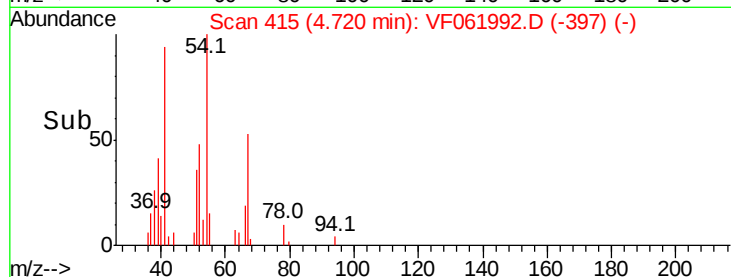
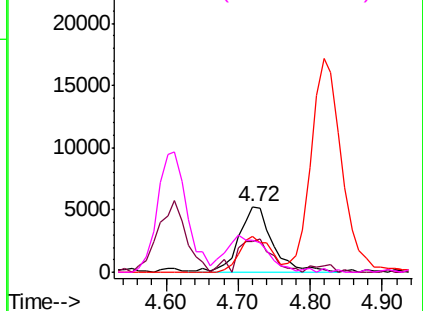
#41
Methacrylonitrile
Concen: 19.752 ug/l
RT: 4.72 min Scan# 415
Delta R.T. -0.02 min
Lab File: VF061992.D
Acq: 18 Mar 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VF0318SBS01

Tot Ion:	41	Resp:	17368
Ion	Ratio	Lower	Upper
41	100		
39	47.0	46.2	69.4
67	53.9	49.8	74.8
52	49.3	42.7	64.1

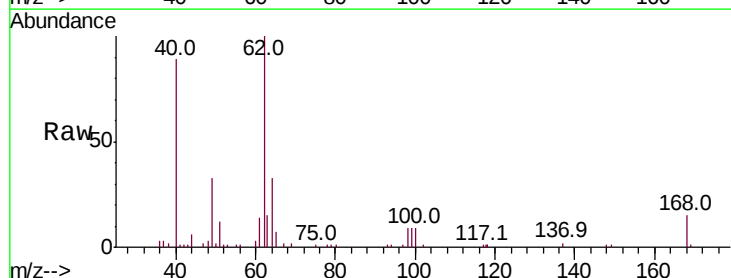


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

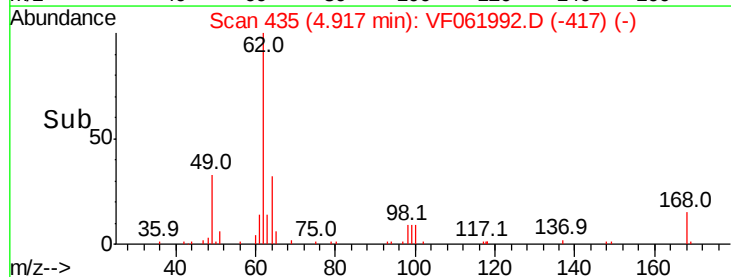
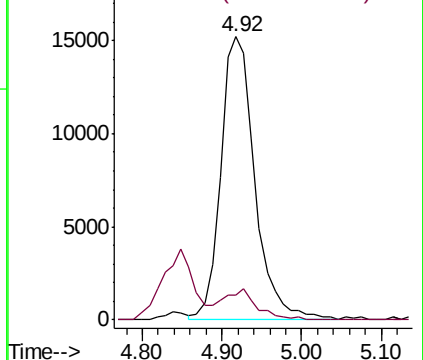


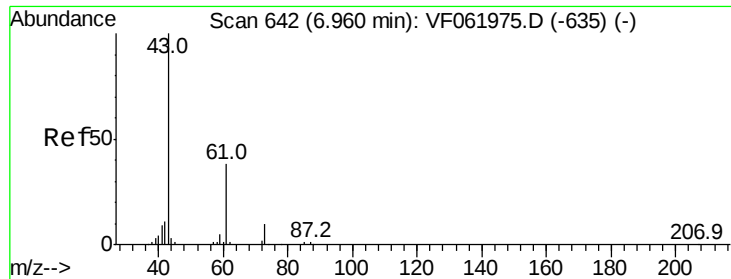
#42
1,2-Dichloroethane
Concen: 18.858 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.02 min
Lab File: VF061992.D
Acq: 18 Mar 2019 12:41

Tgt Ion:	62	Resp:	45596
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	19.8



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 18.456 ug/l

RT: 6.94 min Scan# 640

Delta R.T. -0.02 min

Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VF0318SBS01

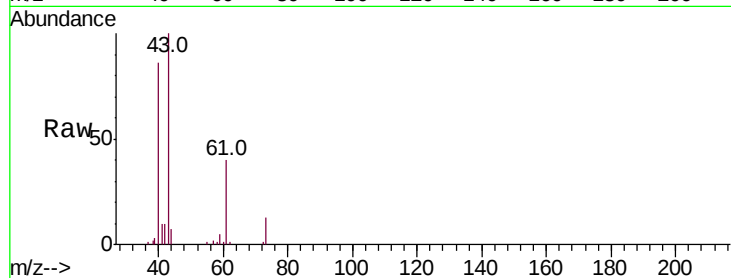
Tot Ion: 43 Resp: 35938

Ion Ratio Lower Upper

43 100

61 40.3 30.1 45.1

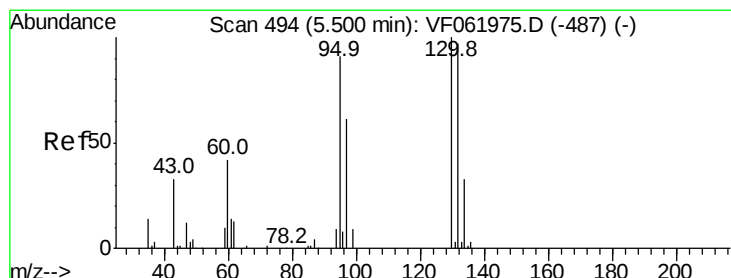
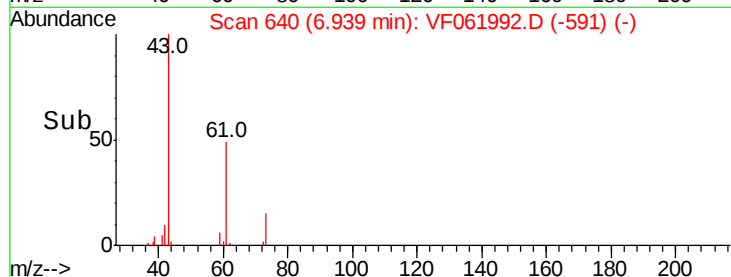
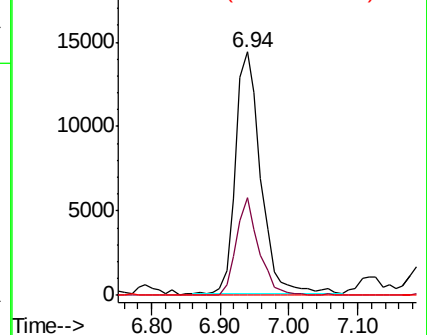
87 0.0 0.4 0.6#



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: 18.790 ug/l

RT: 5.48 min Scan# 492

Delta R.T. -0.02 min

Lab File: VF061992.D

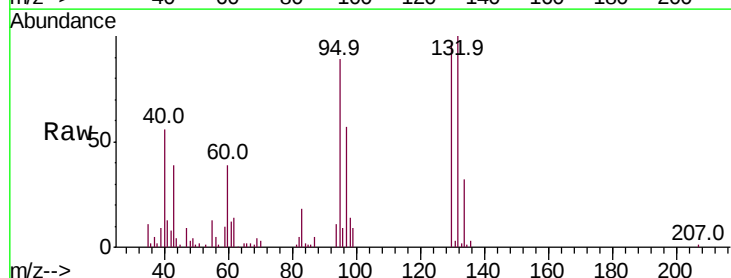
Acq: 18 Mar 2019 12:41

Tgt Ion:130 Resp: 55905

Ion Ratio Lower Upper

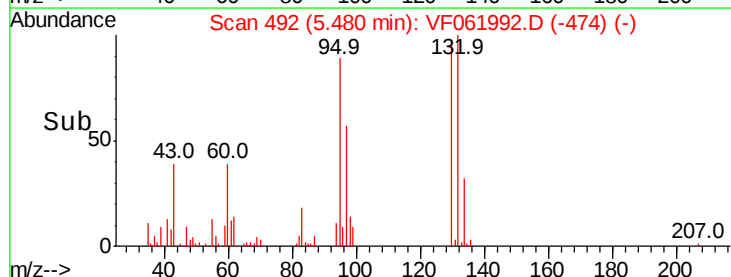
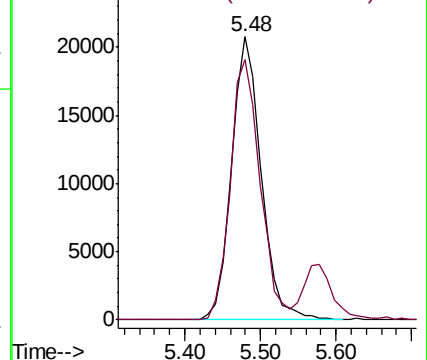
130 100

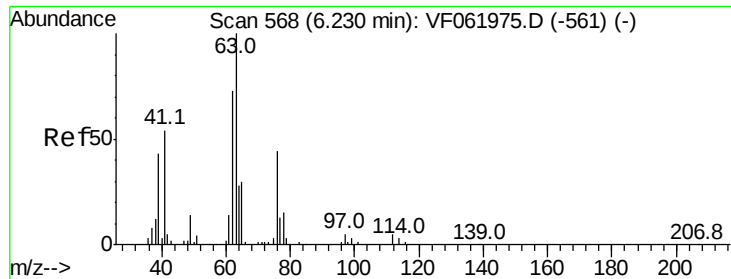
95 92.0 0.0 181.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 18.688 ug/l

RT: 6.22 min Scan# 567

Delta R.T. -0.01 min

Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

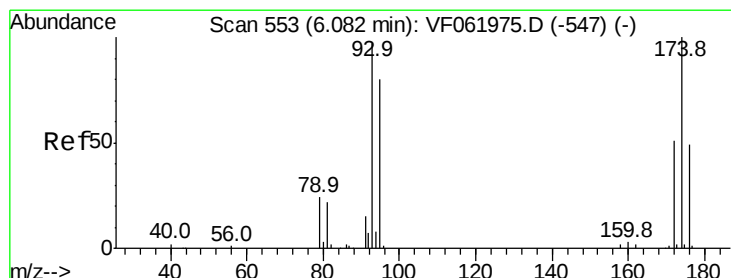
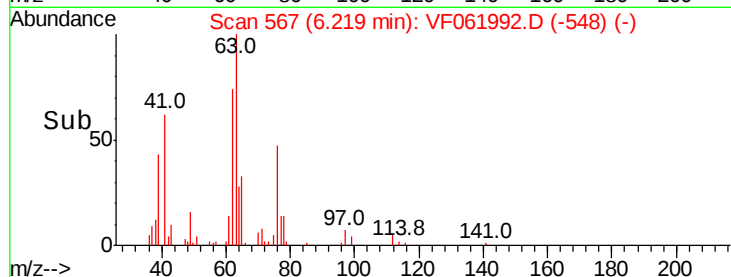
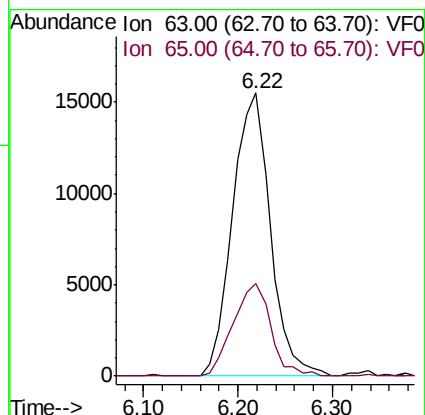
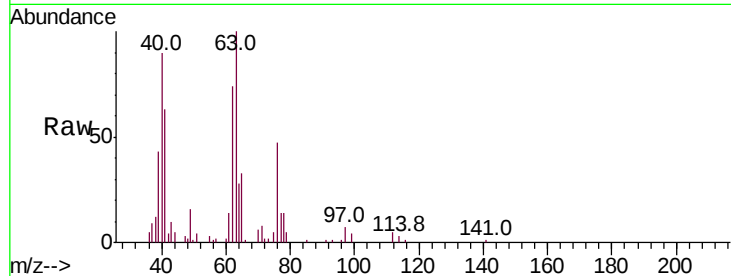
VF0318SBS01

Tot Ion: 63 Resp: 42954

Ion Ratio Lower Upper

63 100

65 32.8 23.7 35.5



#46

Dibromomethane

Concen: 19.585 ug/l

RT: 6.06 min Scan# 551

Delta R.T. -0.02 min

Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

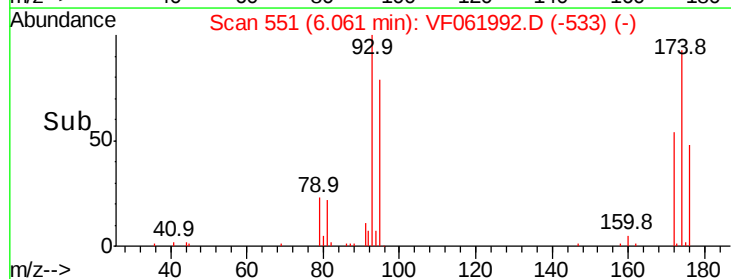
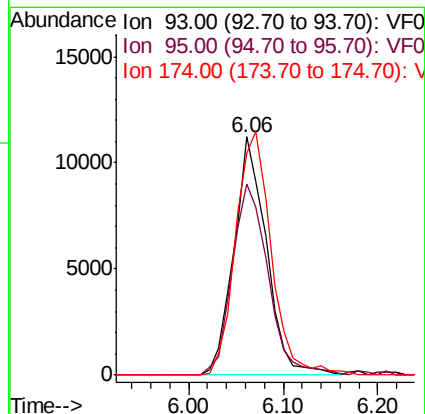
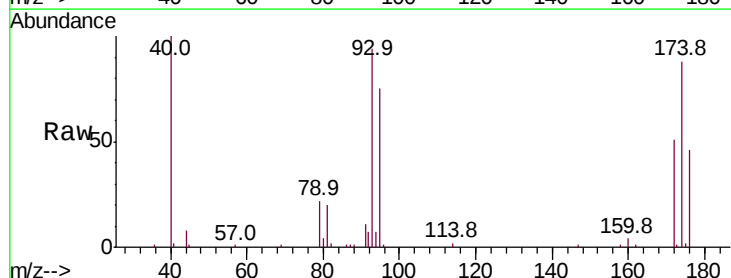
Tgt Ion: 93 Resp: 26779

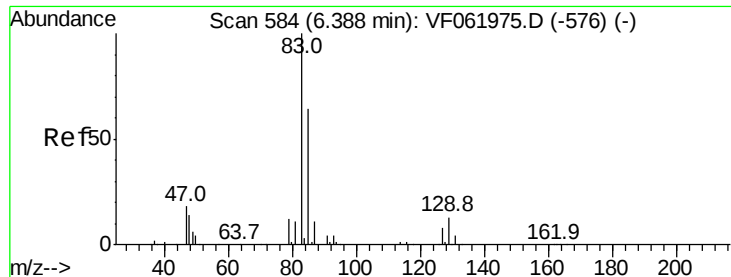
Ion Ratio Lower Upper

93 100

95 79.9 65.7 98.5

174 93.3 82.2 123.4





#47

Bromodichloromethane

Concen: 18.435 ug/l

RT: 6.36 min Scan# 581

Delta R.T. -0.03 min

Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VF0318SBS01

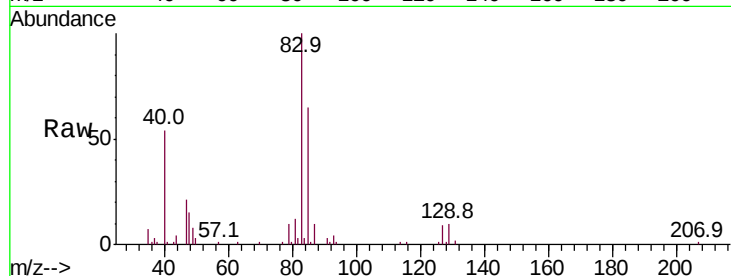
Tot Ion: 83 Resp: 59428

Ion Ratio Lower Upper

83 100

85 64.8 51.4 77.2

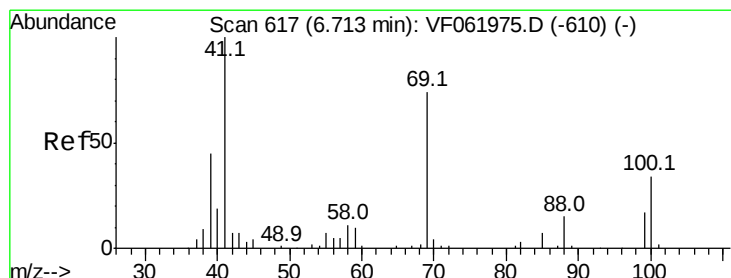
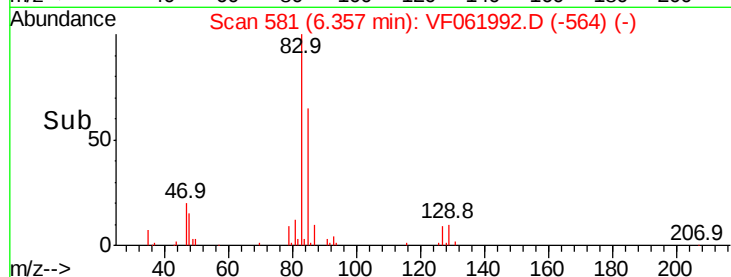
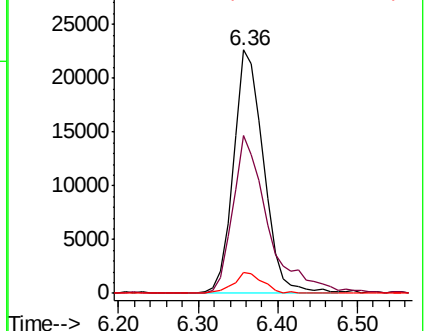
127 8.6 6.5 9.7



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 16.325 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.02 min

Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

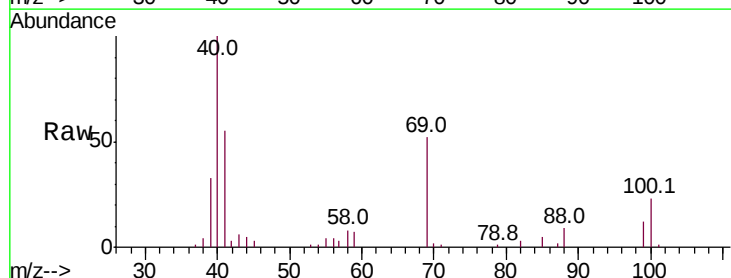
Tgt Ion: 41 Resp: 20545

Ion Ratio Lower Upper

41 100

69 94.0 59.0 88.6#

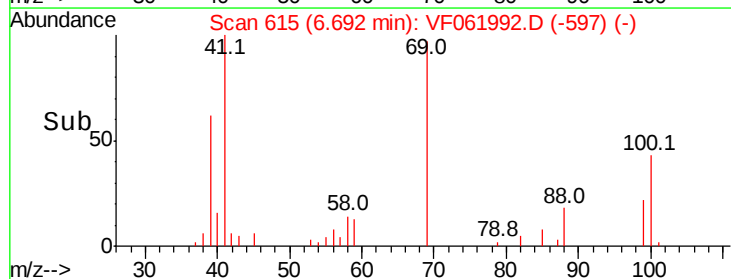
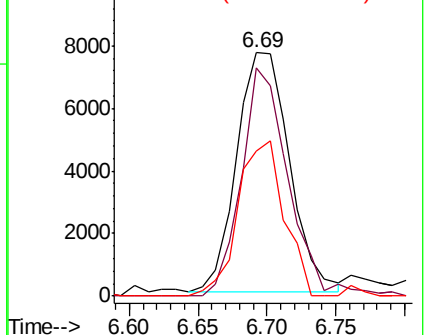
39 59.5 35.6 53.4#

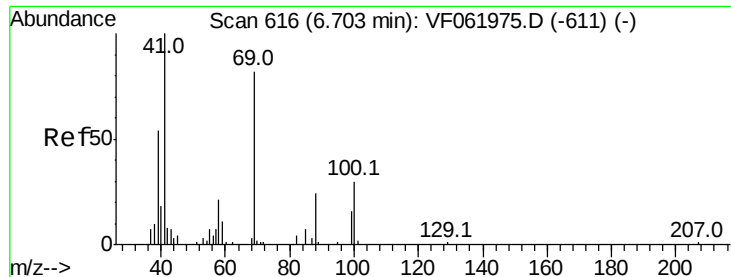


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

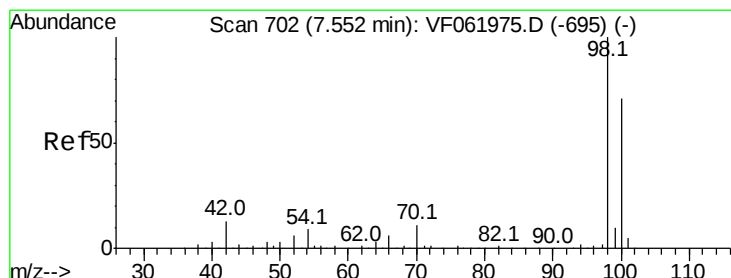
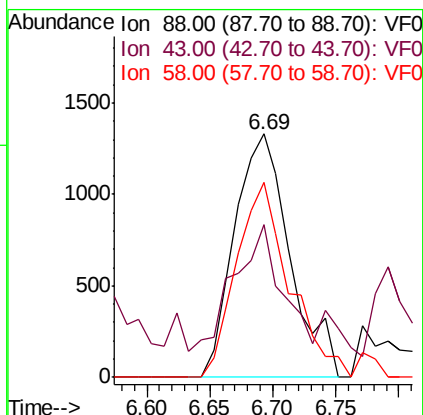
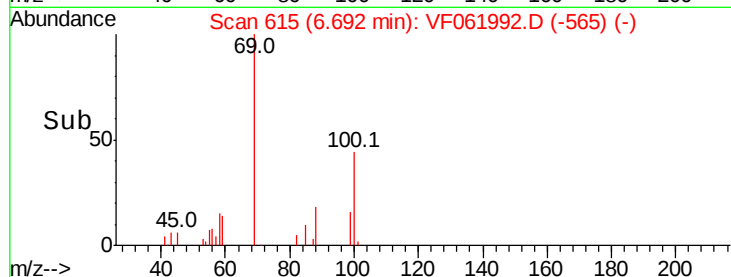
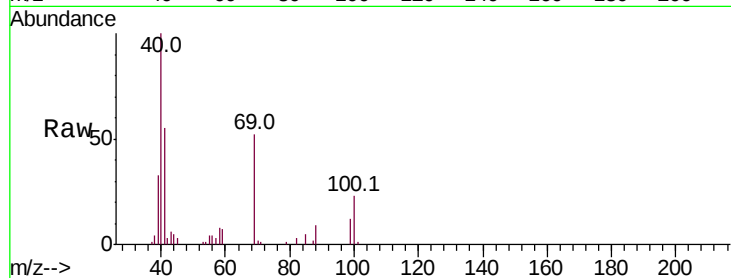




#49
1,4-Dioxane
Concen: 363.398 ug/l
RT: 6.69 min Scan# 615
Delta R.T. -0.01 min
Lab File: VF061992.D
Acq: 18 Mar 2019 12:41

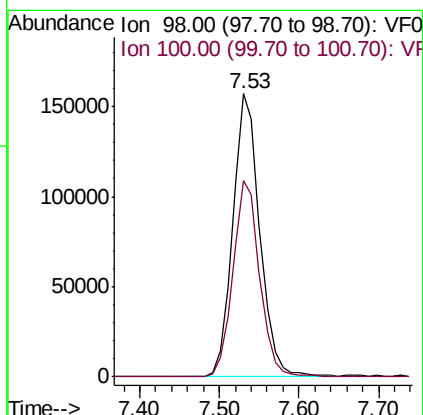
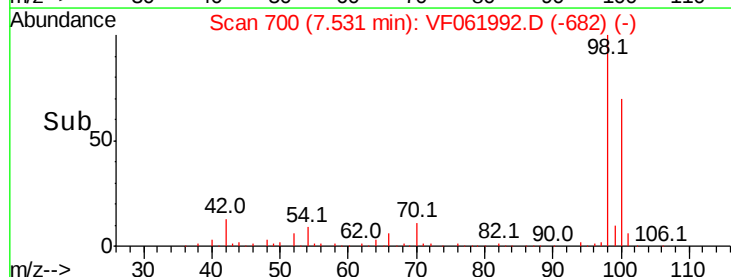
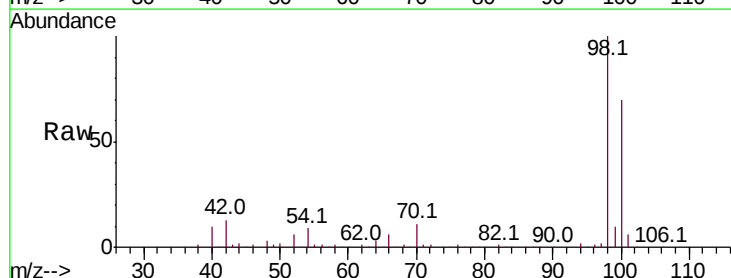
Instrument :
MSVOA_F
ClientSampleId :
VF0318SBSD01

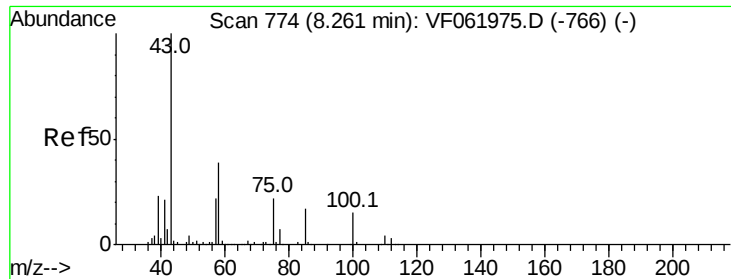
Tot Ion: 88 Resp: 4068
Ion Ratio Lower Upper
88 100
43 63.0 31.2 46.8#
58 80.0 69.9 104.9



#50
Toluene-d8
Concen: 46.492 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.02 min
Lab File: VF061992.D
Acq: 18 Mar 2019 12:41

Tgt Ion: 98 Resp: 370445
Ion Ratio Lower Upper
98 100
100 69.5 56.8 85.2





#51

4-Methyl-2-Pentanone

Concen: 96.013 ug/l

RT: 8.23 min Scan# 771

Delta R.T. -0.03 min

Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

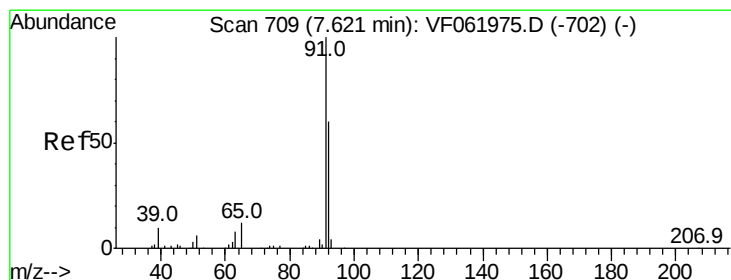
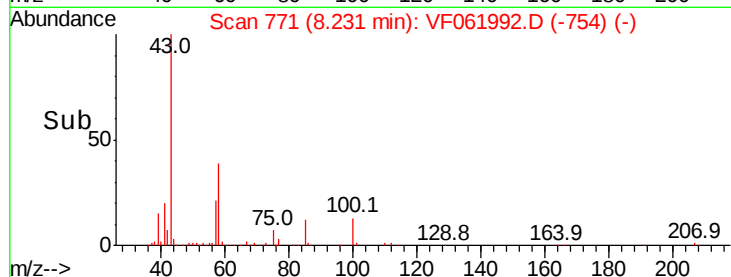
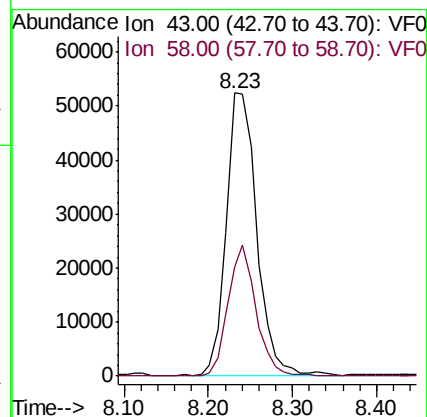
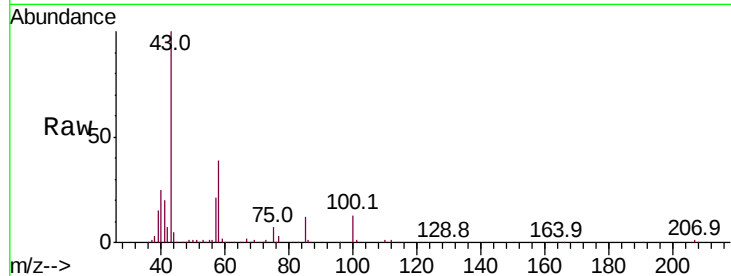
VF0318SBS01

Tot Ion: 43 Resp: 132764

Ion Ratio Lower Upper

43 100

58 38.8 31.1 46.7



#52

Toluene

Concen: 18.711 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.01 min

Lab File: VF061992.D

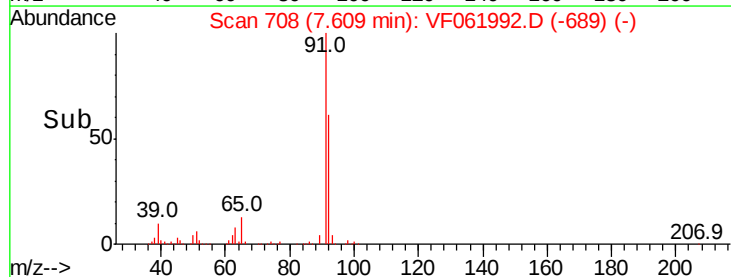
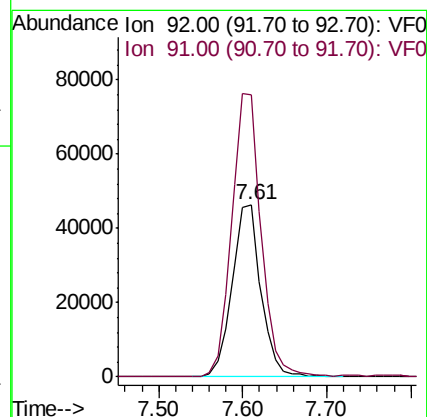
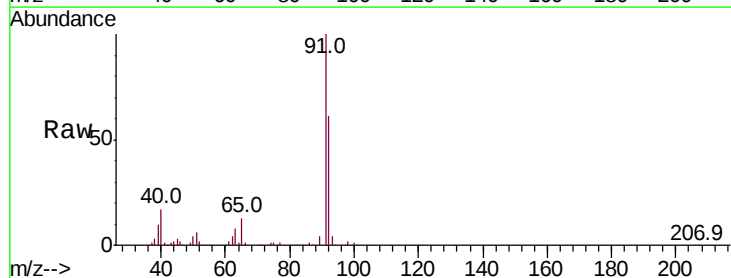
Acq: 18 Mar 2019 12:41

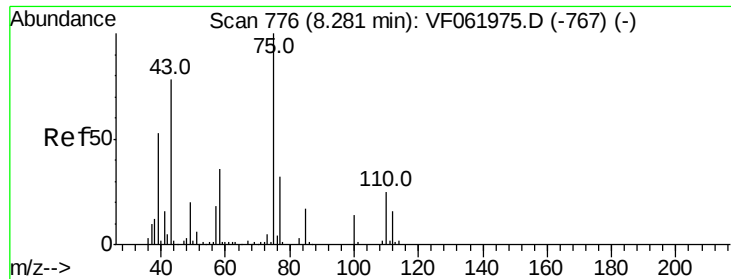
Tgt Ion: 92 Resp: 111039

Ion Ratio Lower Upper

92 100

91 163.4 134.0 201.0





#53

t-1,3-Dichloropropene

Concen: 19.137 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.02 min

Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

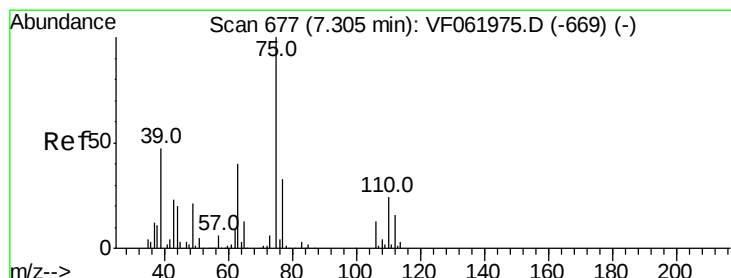
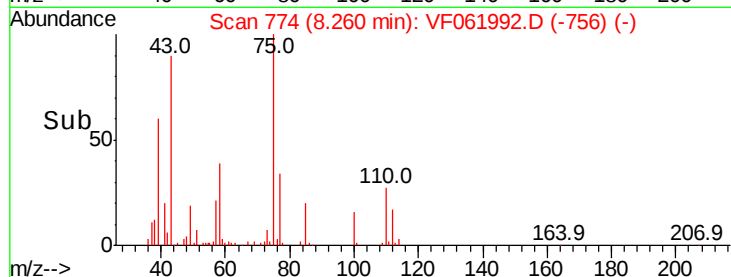
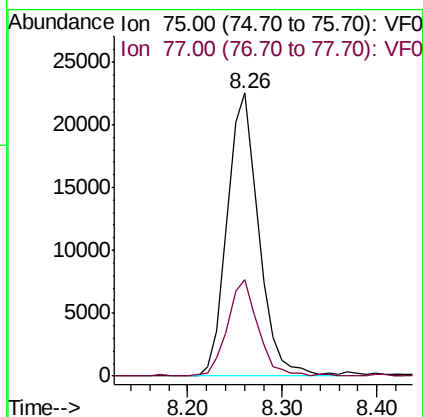
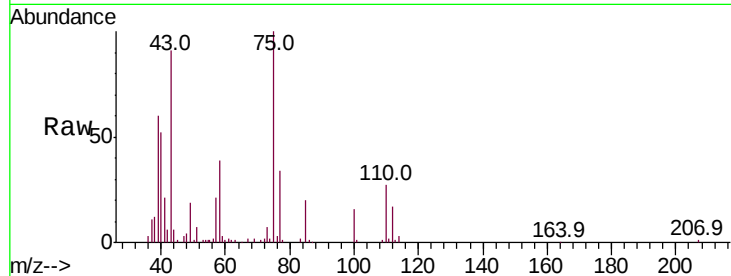
VF0318SBSD01

Tot Ion: 75 Resp: 52083

Ion Ratio Lower Upper

75 100

77 34.2 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 19.222 ug/l

RT: 7.27 min Scan# 674

Delta R.T. -0.03 min

Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

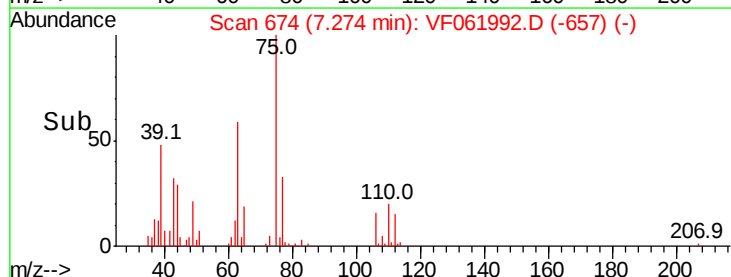
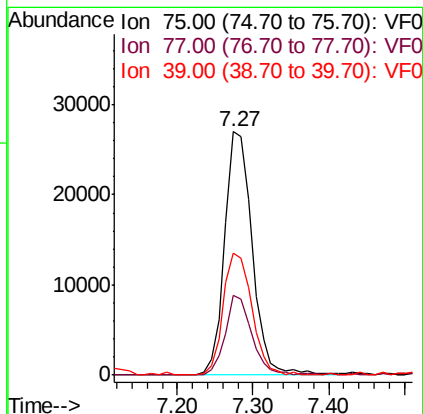
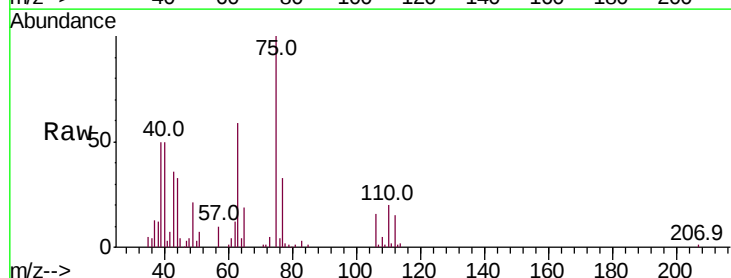
Tgt Ion: 75 Resp: 68257

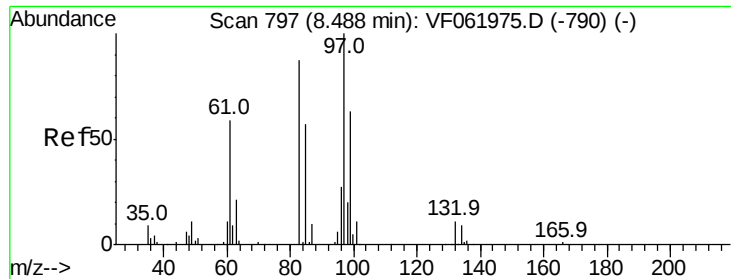
Ion Ratio Lower Upper

75 100

77 32.6 26.4 39.6

39 50.1 38.0 57.0





#55

1,1,2-Trichloroethane

Concen: 18.828 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.02 min

Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VF0318SBS01

Tot Ion: 97 Resp: 31185

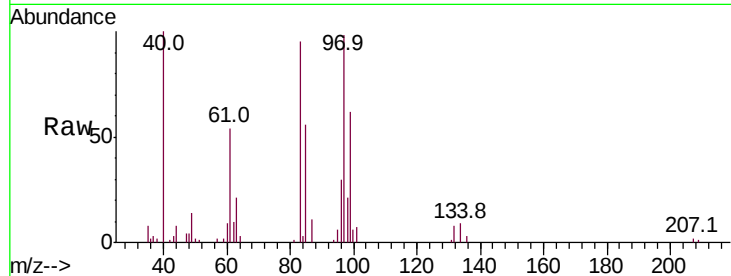
Ion	Ratio	Lower	Upper
97	100		
83	97.2	69.7	104.5
85	57.1	45.8	68.6
99	63.0	50.3	75.5

97 100

83 97.2 69.7 104.5

85 57.1 45.8 68.6

99 63.0 50.3 75.5



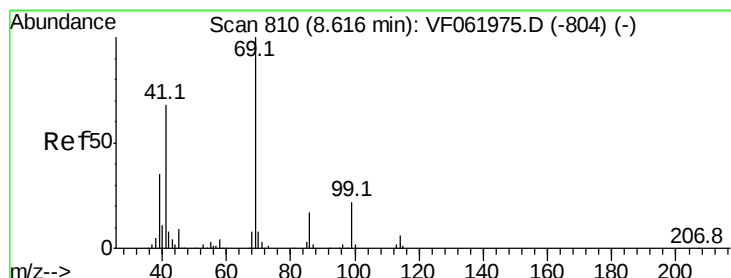
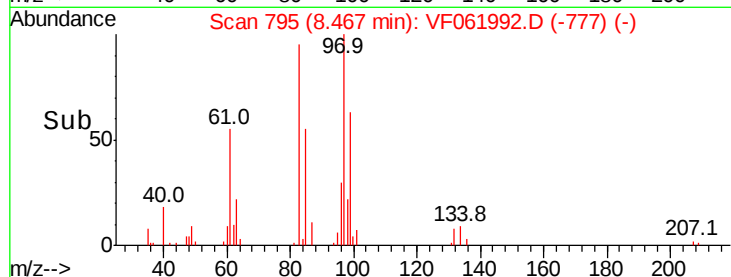
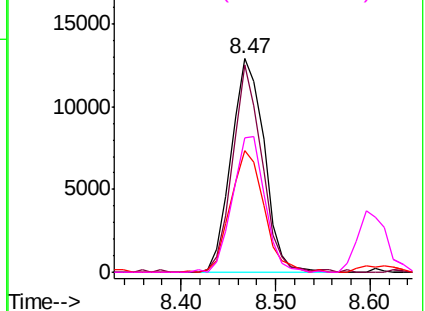
Abundance

Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 19.708 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.01 min

Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

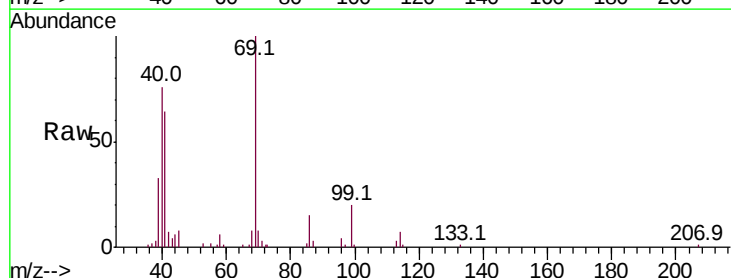
Tgt Ion: 69 Resp: 37105

Ion	Ratio	Lower	Upper
69	100		
41	64.4	54.7	82.1
39	33.4	27.9	41.9

69 100

41 64.4 54.7 82.1

39 33.4 27.9 41.9

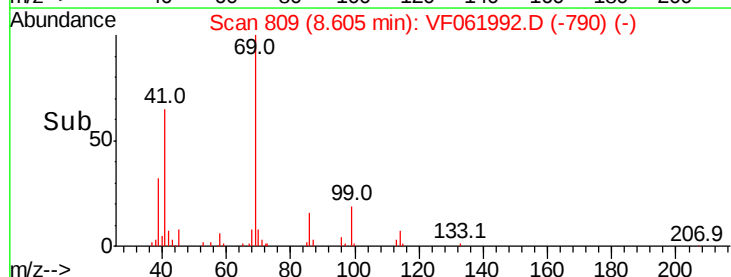
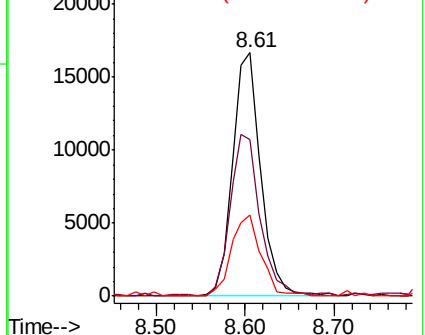


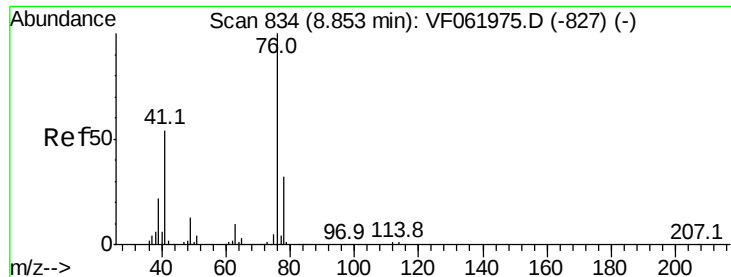
Abundance

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: 18.477 ug/l

RT: 8.83 min Scan# 832

Delta R.T. -0.02 min

Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

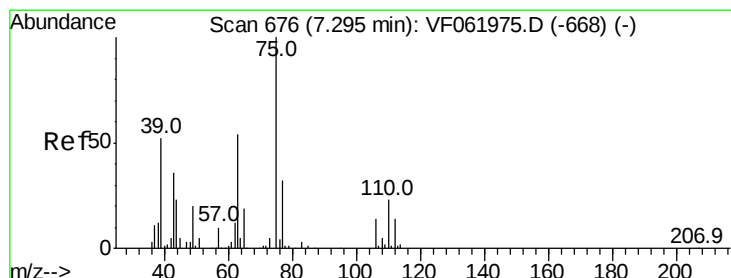
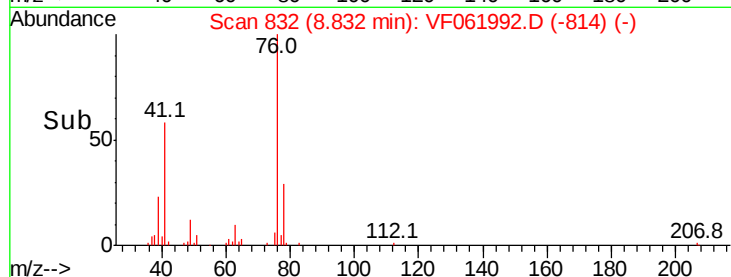
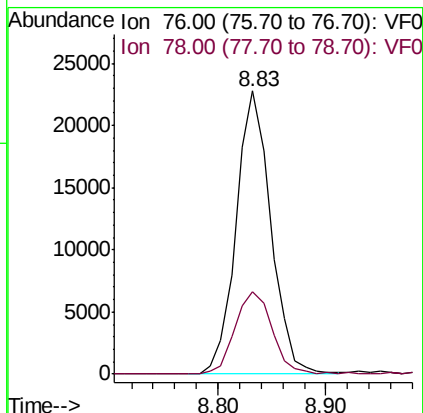
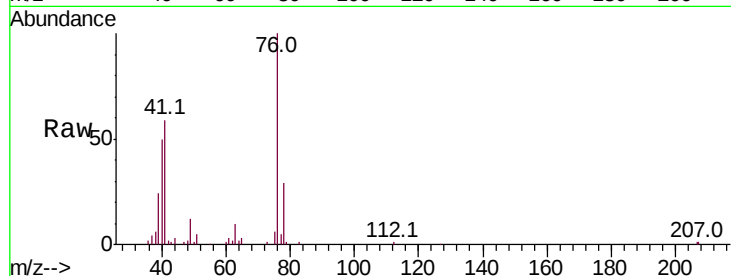
VF0318SBS01

Tot Ion: 76 Resp: 51048

Ion Ratio Lower Upper

76 100

78 28.9 25.4 38.2



#58

2-Chloroethyl Vinyl ether

Concen: 105.421 ug/l

RT: 7.27 min Scan# 674

Delta R.T. -0.02 min

Lab File: VF061992.D

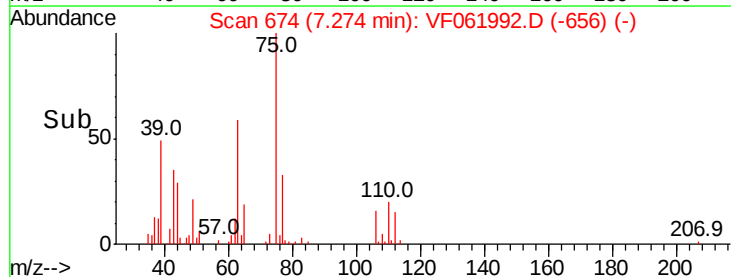
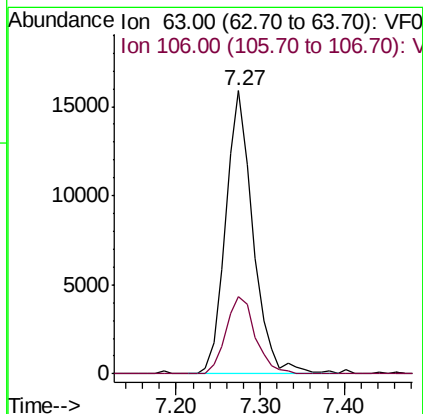
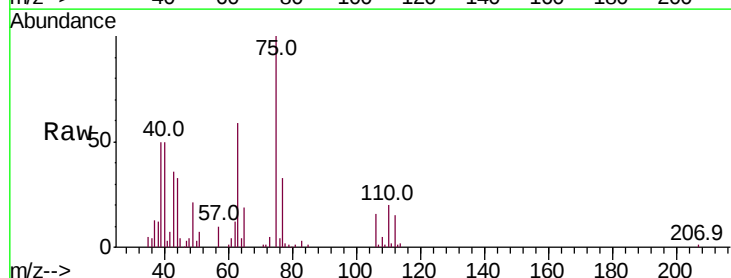
Acq: 18 Mar 2019 12:41

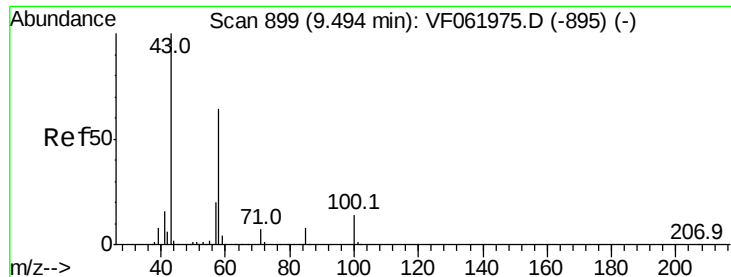
Tgt Ion: 63 Resp: 35951

Ion Ratio Lower Upper

63 100

106 27.4 20.9 31.3

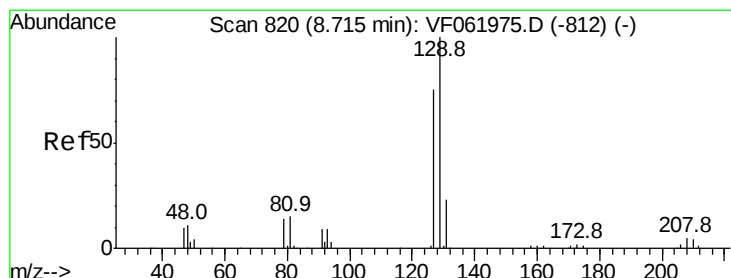
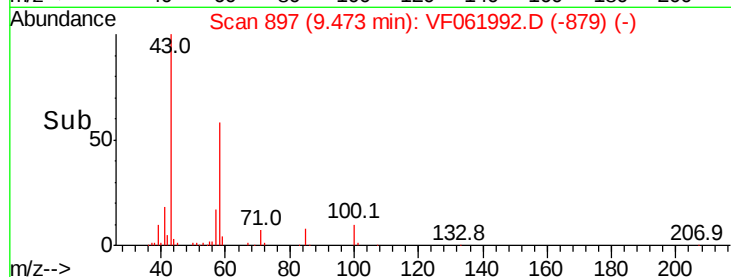
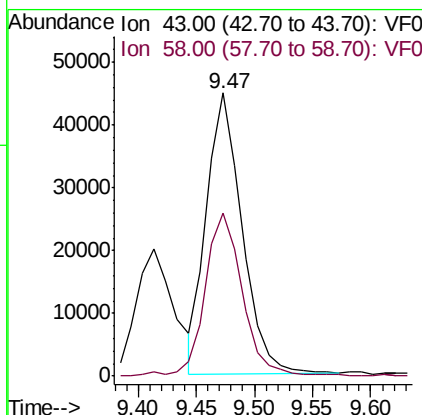
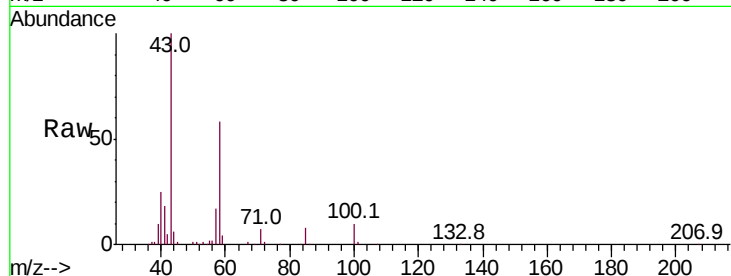




#59
2-Hexanone
Concen: 95.070 ug/l
RT: 9.47 min Scan# 897
Delta R.T. -0.02 min
Lab File: VF061992.D
Acq: 18 Mar 2019 12:41

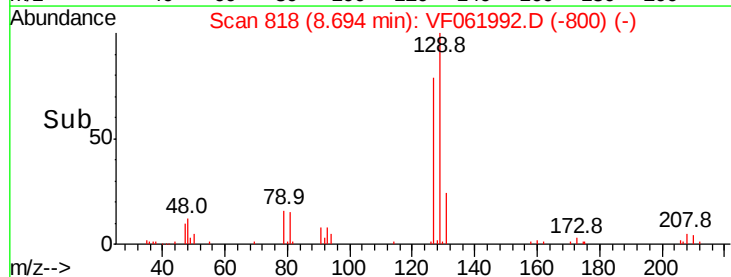
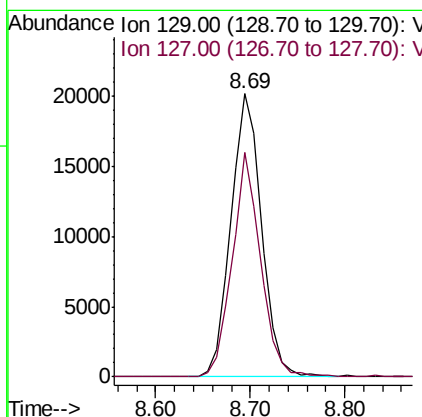
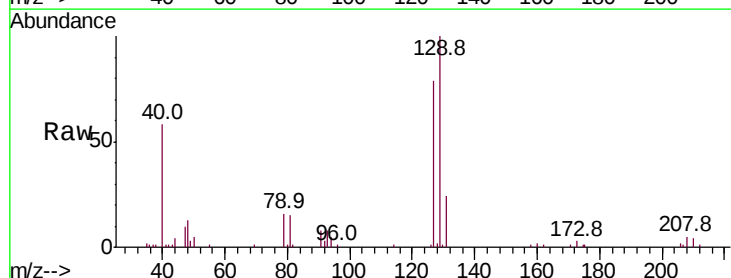
Instrument :
MSVOA_F
ClientSampleId :
VF0318SBS01

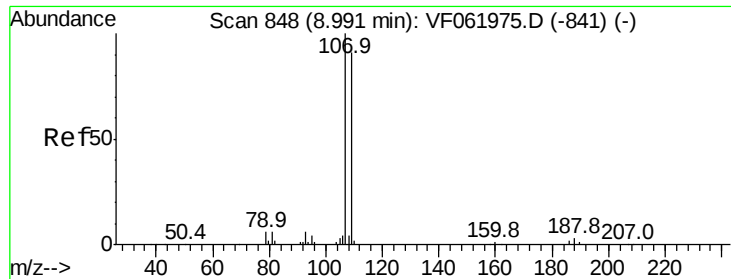
Tot Ion: 43 Resp: 95138
Ion Ratio Lower Upper
43 100
58 57.6 28.4 85.2



#60
Dibromochloromethane
Concen: 19.612 ug/l
RT: 8.69 min Scan# 818
Delta R.T. -0.02 min
Lab File: VF061992.D
Acq: 18 Mar 2019 12:41

Tgt Ion: 129 Resp: 45094
Ion Ratio Lower Upper
129 100
127 79.1 37.3 111.8





#61

1,2-Dibromoethane

Concen: 19.027 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.02 min

Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

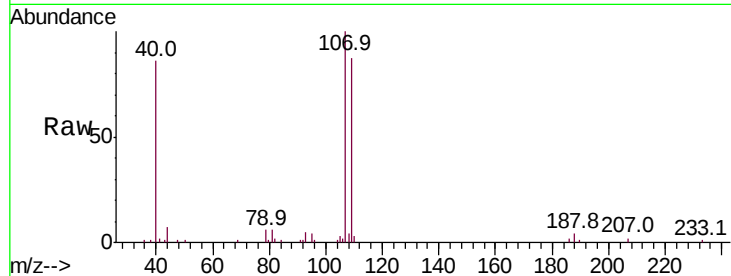
VF0318SBS01

Tot Ion:107 Resp: 33804

Ion Ratio Lower Upper

107 100

109 87.1 72.8 109.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

15000

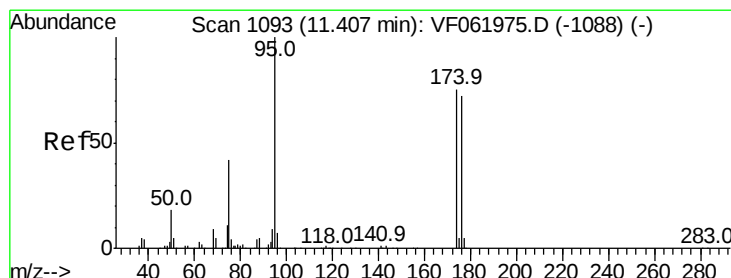
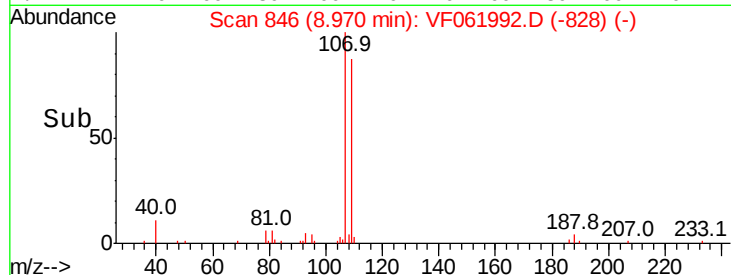
10000

5000

0

8.90 8.97 9.00 9.10

Time-->



#62

4-Bromofluorobenzene

Concen: 49.587 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

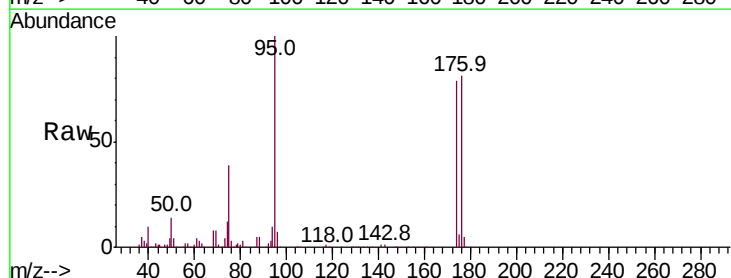
Tgt Ion: 95 Resp: 156959

Ion Ratio Lower Upper

95 100

174 78.9 0.0 149.4

176 80.8 0.0 143.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

120000

100000

80000

60000

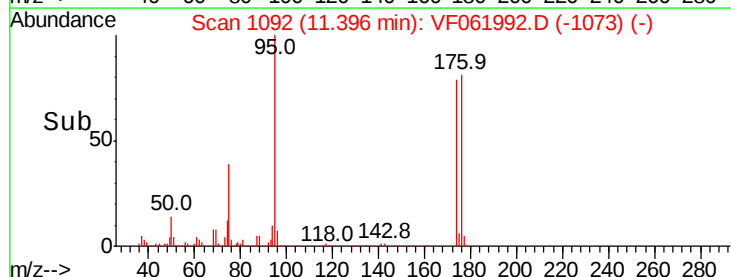
40000

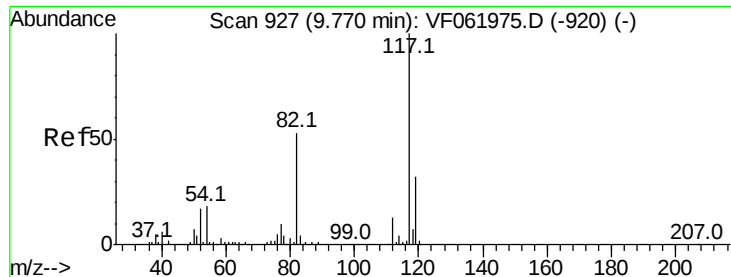
20000

0

11.30 11.40 11.50

Time-->

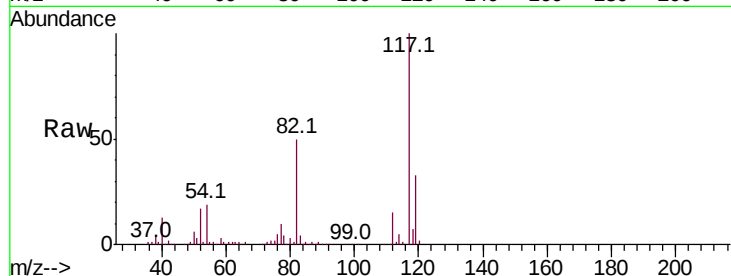




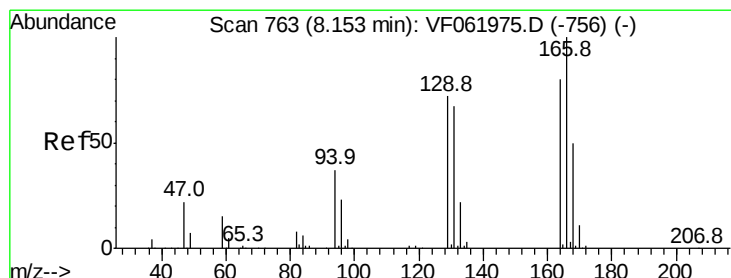
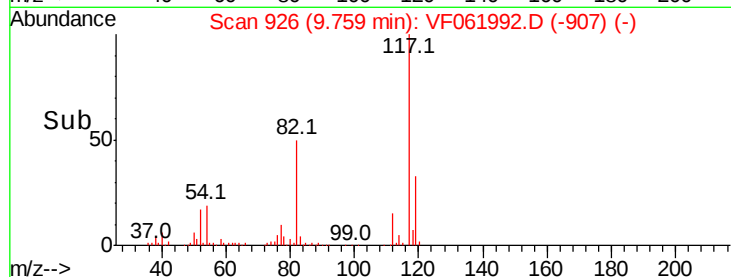
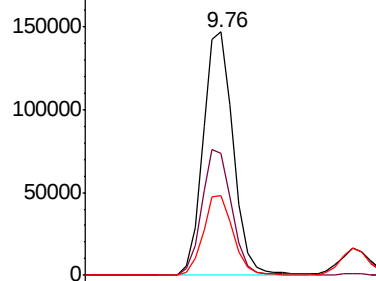
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.01 min
Lab File: VF061992.D
Acq: 18 Mar 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VF0318SBS01

Tot Ion:117 Resp: 347619
Ion Ratio Lower Upper
117 100
82 50.3 42.5 63.7
119 33.0 25.4 38.0



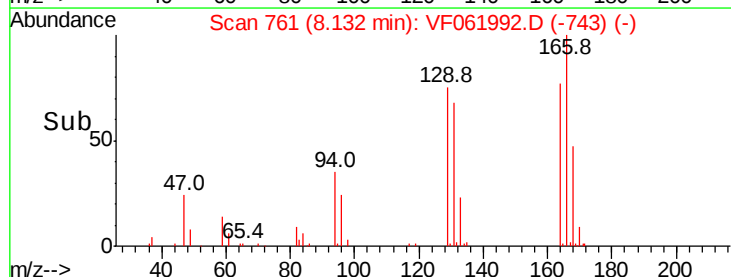
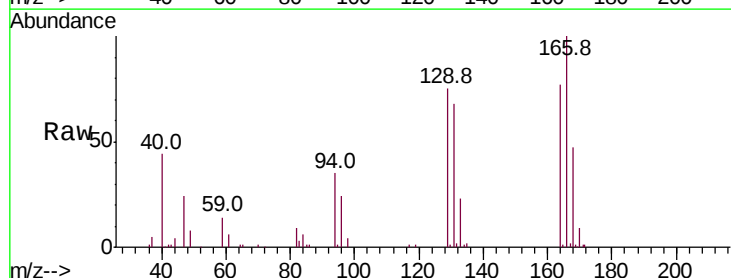
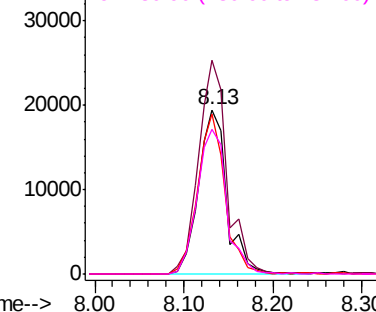
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

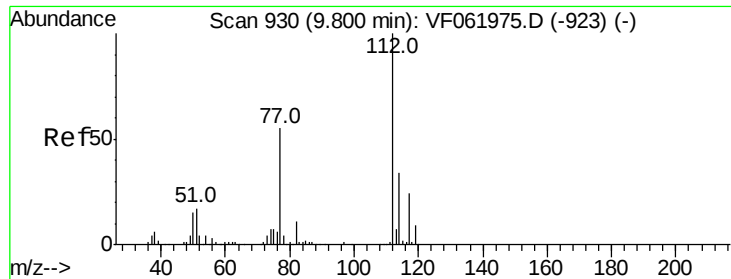


#64
Tetrachloroethene
Concen: 17.160 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.02 min
Lab File: VF061992.D
Acq: 18 Mar 2019 12:41

Tgt Ion:164 Resp: 43360
Ion Ratio Lower Upper
164 100
166 130.1 100.0 150.0
129 97.4 72.4 108.6
131 87.9 67.1 100.7

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 18.929 ug/l

RT: 9.78 min Scan# 928

Delta R.T. -0.02 min

Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

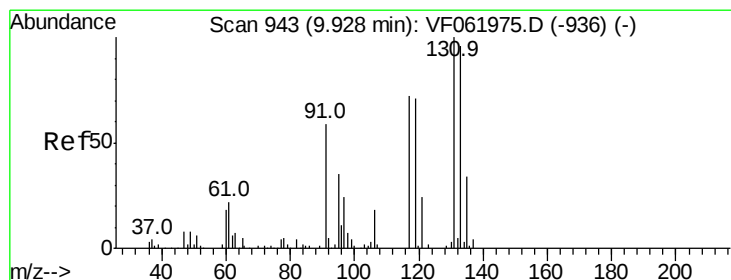
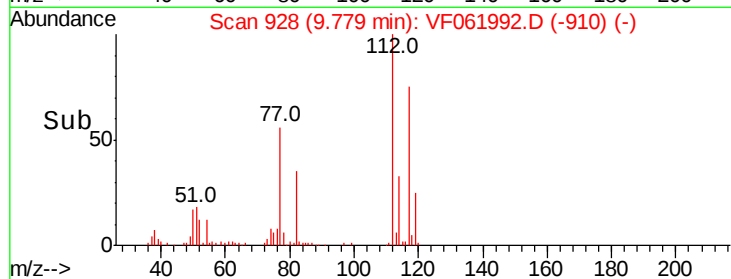
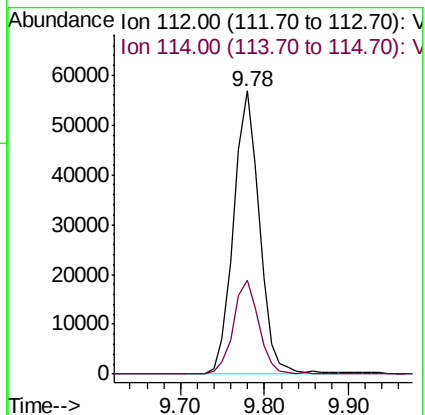
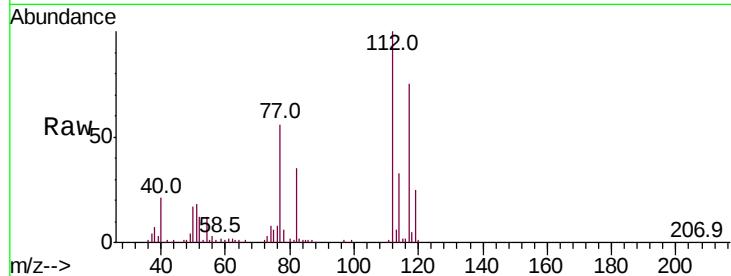
VF0318SBSD01

Tot Ion:112 Resp: 122509

Ion Ratio Lower Upper

112 100

114 33.2 26.9 40.3



#66

1,1,1,2-Tetrachloroethane

Concen: 19.943 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.02 min

Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

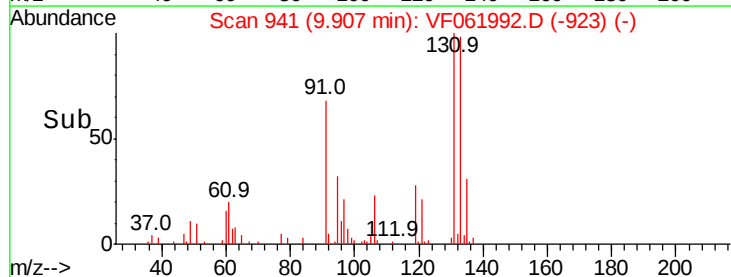
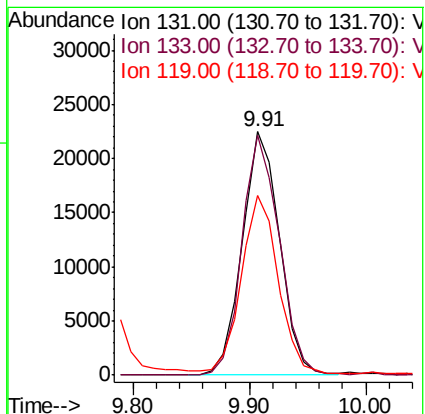
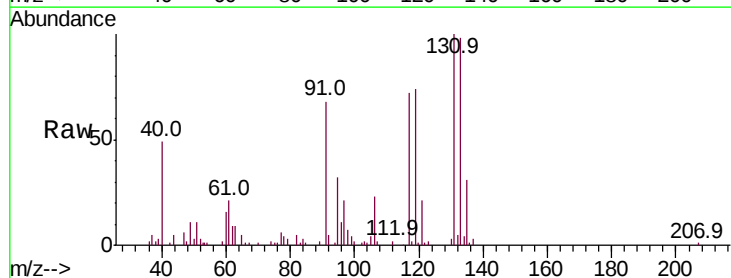
Tgt Ion:131 Resp: 50031

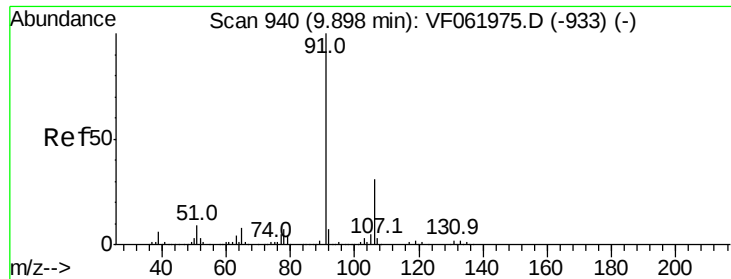
Ion Ratio Lower Upper

131 100

133 98.4 48.0 144.2

119 73.9 35.9 107.7





#67

Ethyl Benzene

Concen: 19.223 ug/l

RT: 9.88 min Scan# 938

Delta R.T. -0.02 min

Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

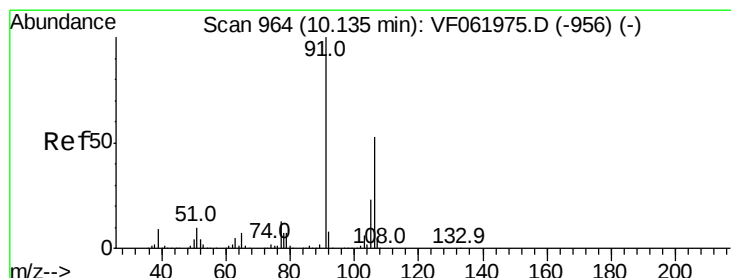
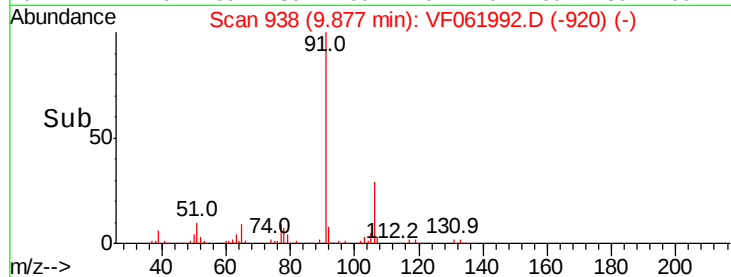
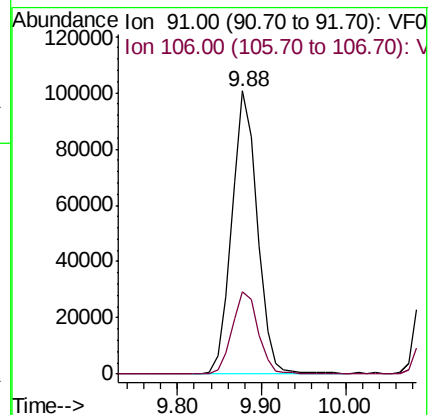
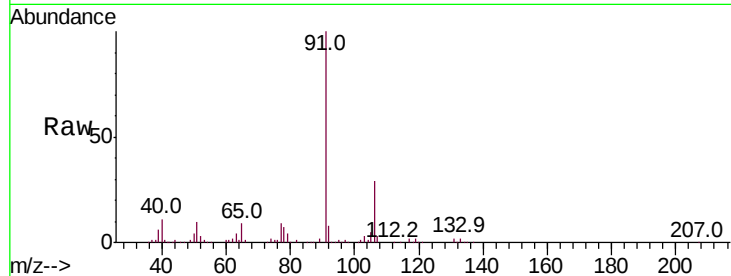
VF0318SBS01

Tot Ion: 91 Resp: 213018

Ion Ratio Lower Upper

91 100

106 28.9 24.4 36.6



#68

m/p-Xylenes

Concen: 40.557 ug/l

RT: 10.11 min Scan# 962

Delta R.T. -0.02 min

Lab File: VF061992.D

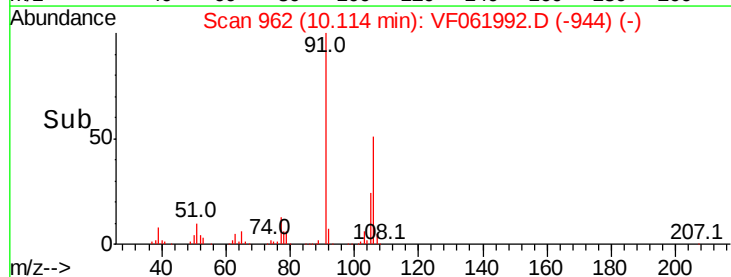
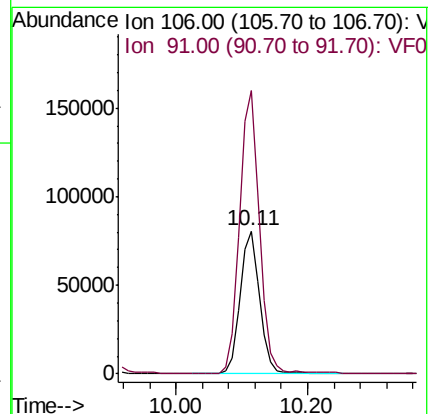
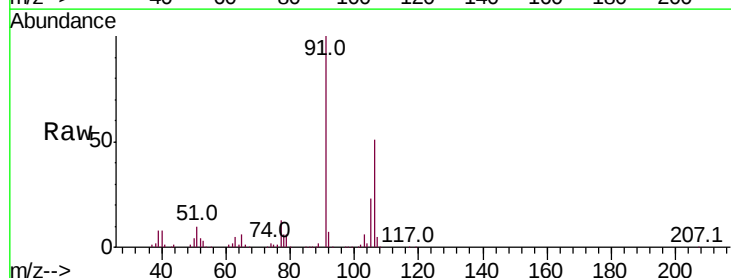
Acq: 18 Mar 2019 12:41

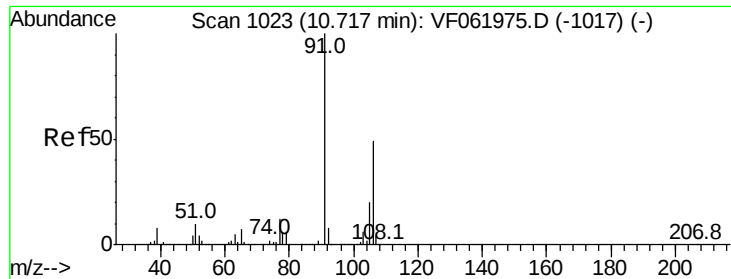
Tgt Ion:106 Resp: 169037

Ion Ratio Lower Upper

106 100

91 198.0 151.9 227.9

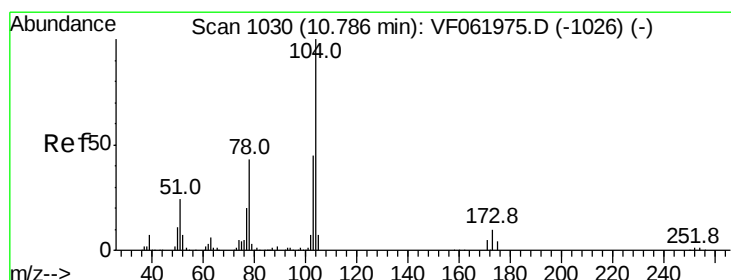
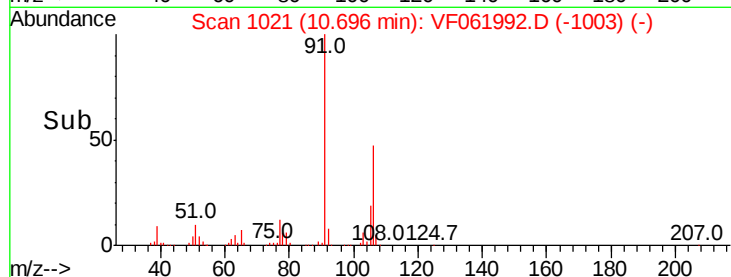
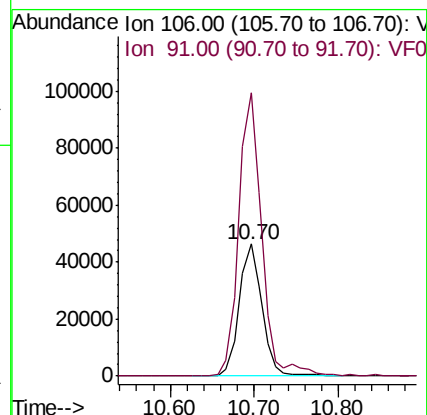
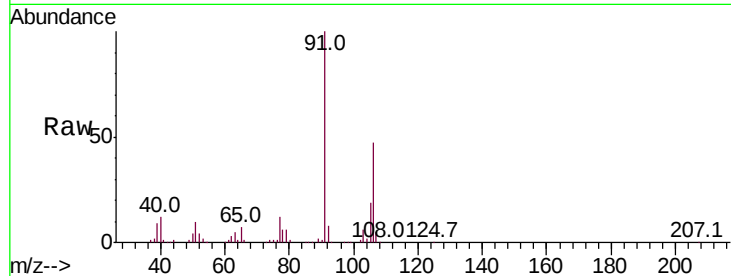




#69
o-Xylene
Concen: 19.530 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.02 min
Lab File: VF061992.D
Acq: 18 Mar 2019 12:41

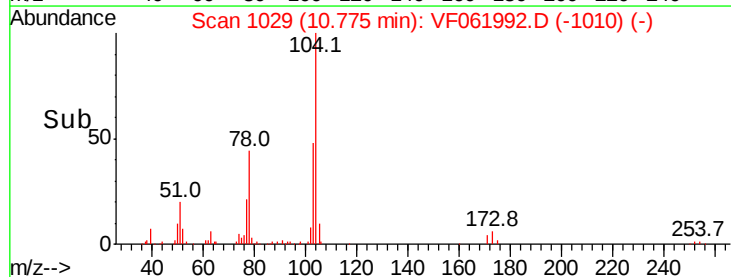
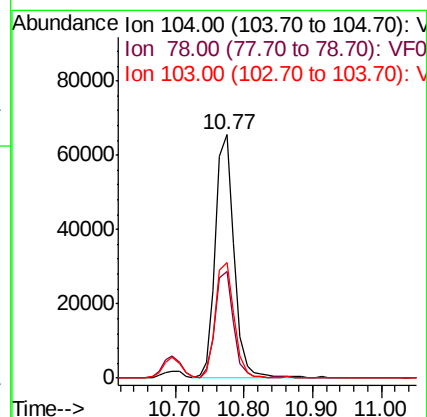
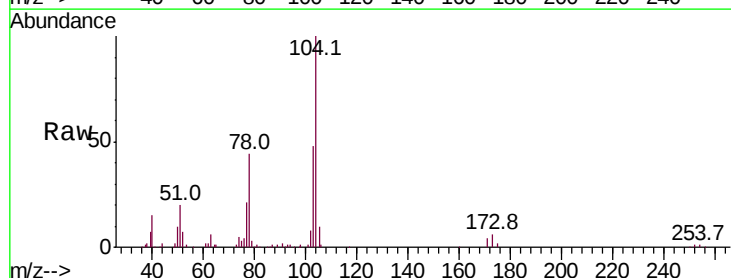
Instrument :
MSVOA_F
ClientSampleId :
VF0318SBS01

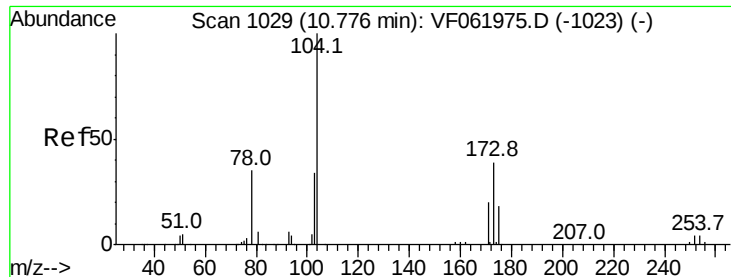
Tot Ion:106 Resp: 87099
Ion Ratio Lower Upper
106 100
91 214.3 102.3 306.8



#70
Styrene
Concen: 20.013 ug/l
RT: 10.77 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VF061992.D
Acq: 18 Mar 2019 12:41

Tgt Ion:104 Resp: 123648
Ion Ratio Lower Upper
104 100
78 43.9 34.7 52.1
103 47.7 36.6 54.8





#71

Bromoform

Concen: 19.412 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.02 min

Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VF0318SBSD01

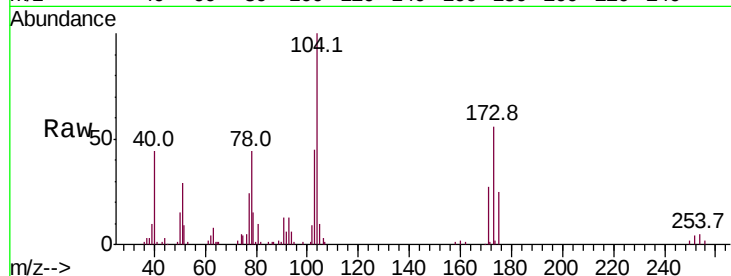
Tot Ion:173 Resp: 24632

Ion Ratio Lower Upper

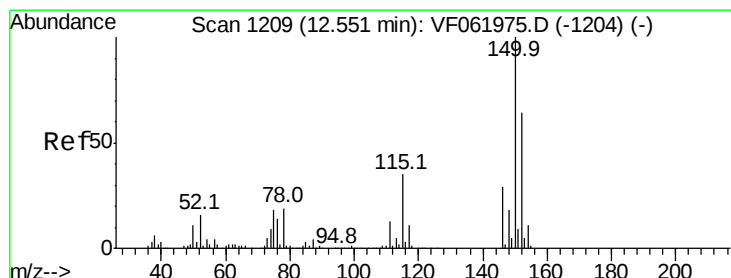
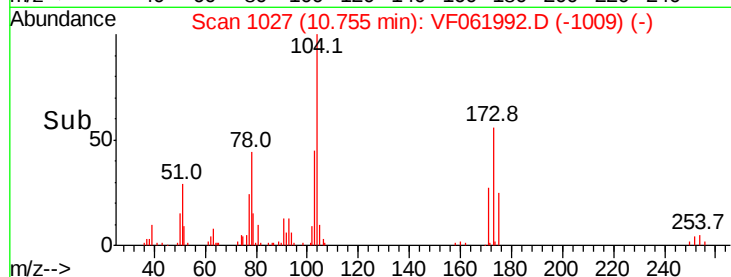
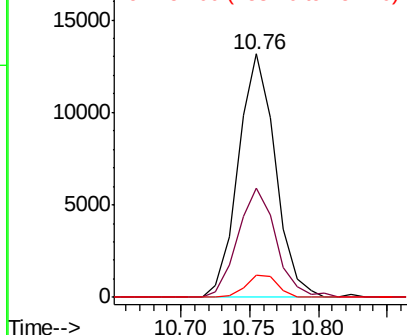
173 100

175 44.7 23.7 71.1

254 9.1 7.8 11.8



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

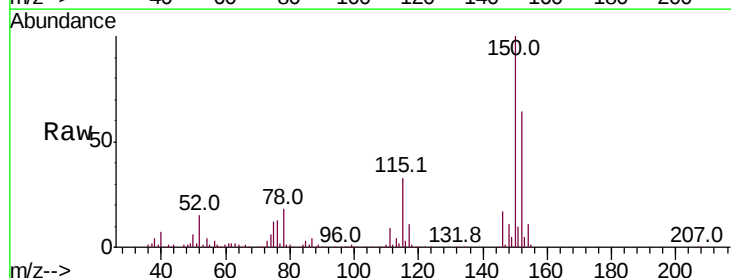
Tgt Ion:152 Resp: 192249

Ion Ratio Lower Upper

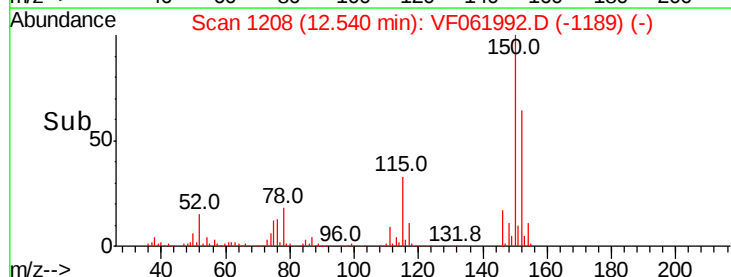
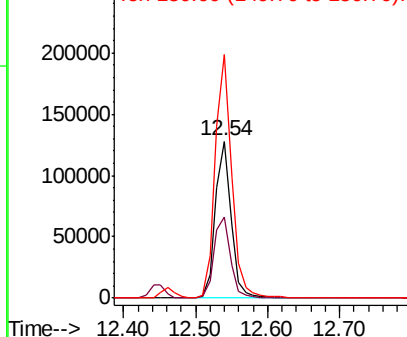
152 100

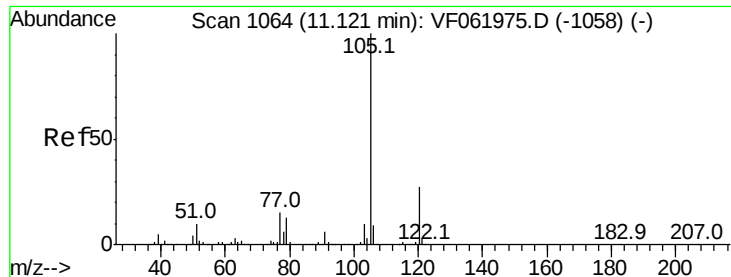
115 51.3 27.3 81.9

150 155.1 0.0 316.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 19.090 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.01 min

Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

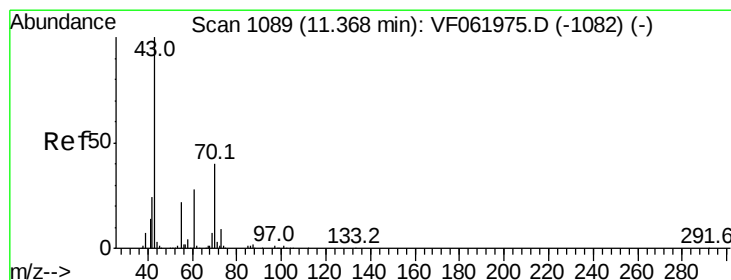
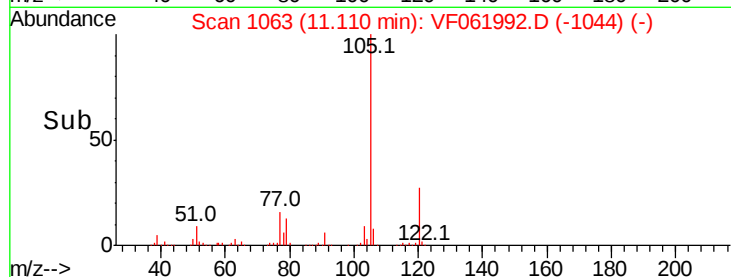
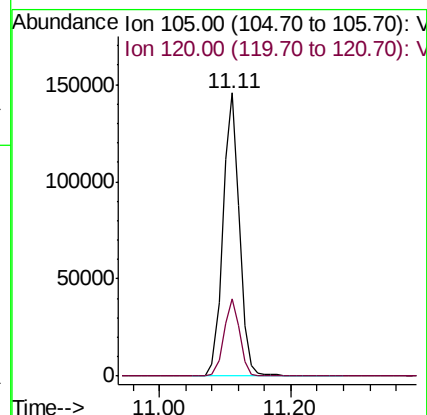
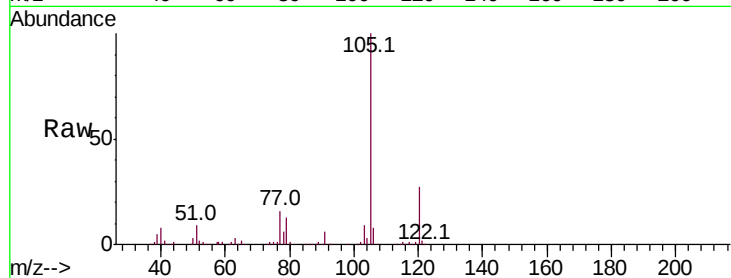
VF0318SBS01

Tot Ion:105 Resp: 253545

Ion Ratio Lower Upper

105 100

120 27.1 13.8 41.3



#74

N-ethyl acetate

Concen: 19.272 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

Tgt Ion: 43 Resp: 58652

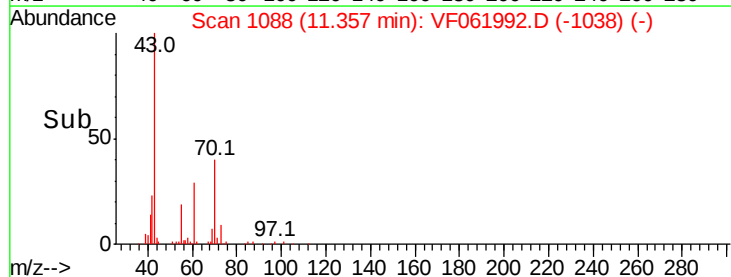
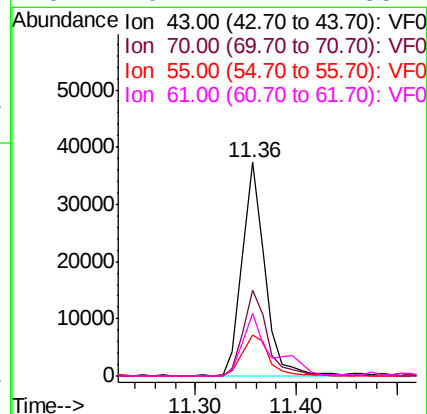
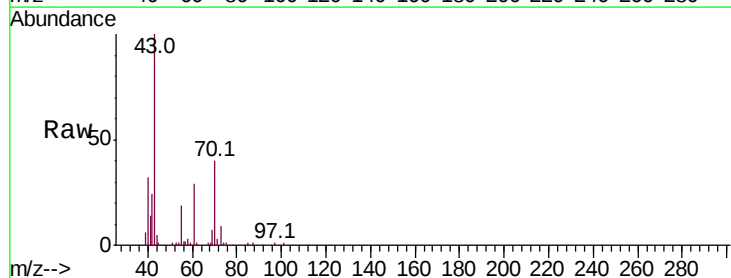
Ion Ratio Lower Upper

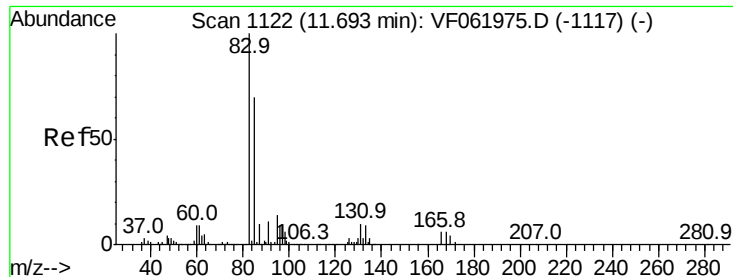
43 100

70 40.2 31.9 47.9

55 19.2 17.9 26.9

61 29.1 22.2 33.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.423 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VF0318SBS01

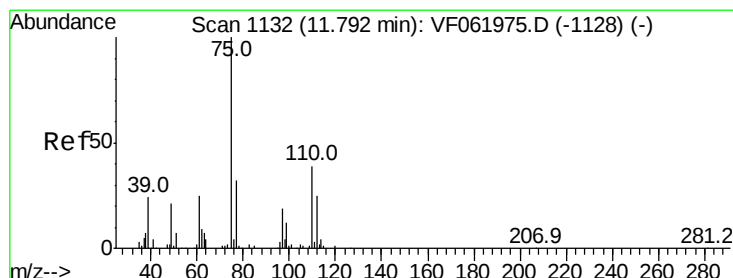
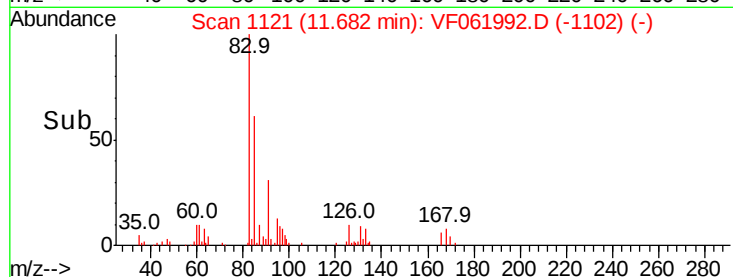
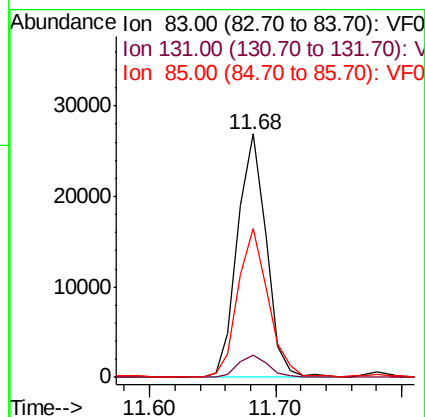
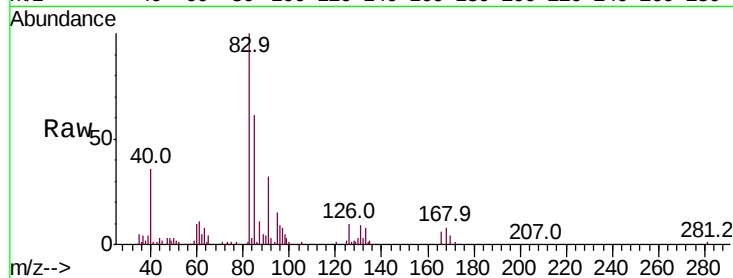
Tot Ion: 83 Resp: 42580

Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.9	14.7
85	61.3	35.3	105.9

83 100

131 9.1 4.9 14.7

85 61.3 35.3 105.9



#76

1,2,3-Trichloropropane

Concen: 18.660 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF061992.D

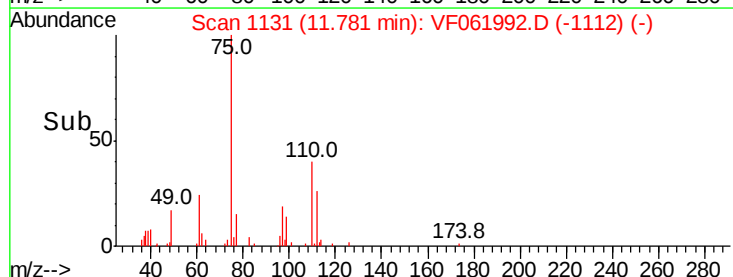
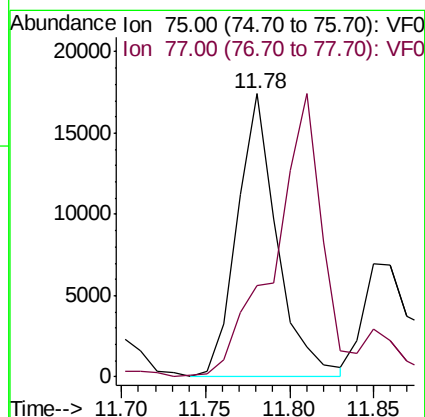
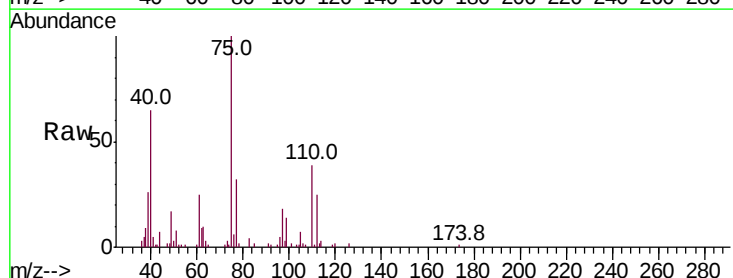
Acq: 18 Mar 2019 12:41

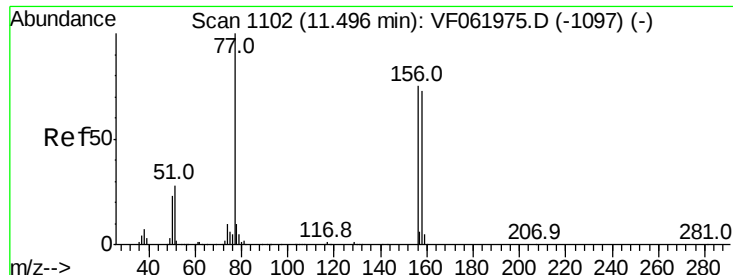
Tgt Ion: 75 Resp: 28606

Ion	Ratio	Lower	Upper
75	100		
77	32.3	16.4	49.2

75 100

77 32.3 16.4 49.2





#77

Bromobenzene

Concen: 18.817 ug/l

RT: 11.47 min Scan# 1100

Delta R.T. -0.02 min

Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VF0318SBSD01

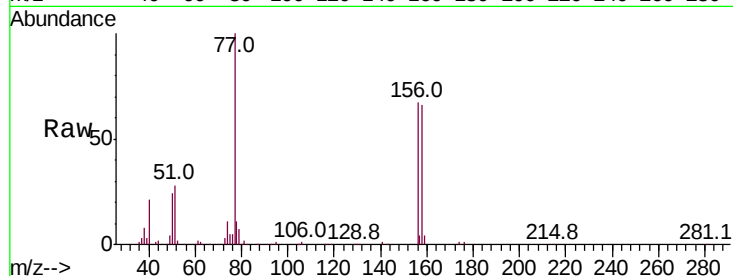
Tot Ion:156 Resp: 57878

Ion Ratio Lower Upper

156 100

77 149.3 67.0 201.0

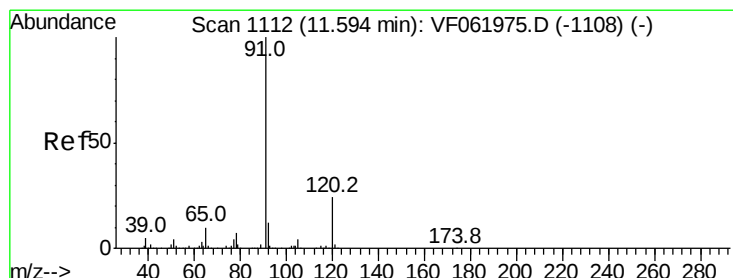
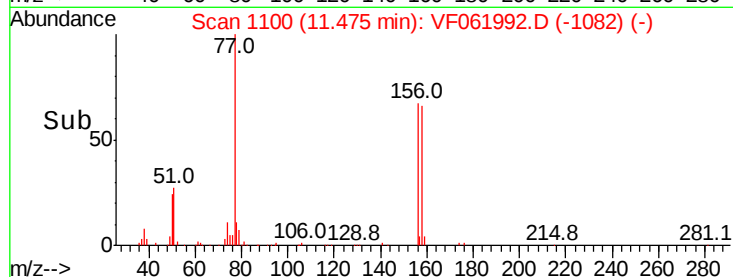
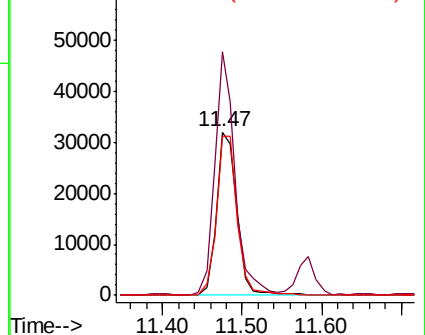
158 97.9 48.9 146.7



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 18.850 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VF061992.D

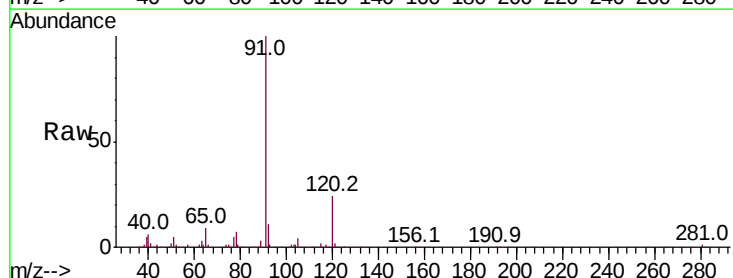
Acq: 18 Mar 2019 12:41

Tgt Ion: 91 Resp: 287873

Ion Ratio Lower Upper

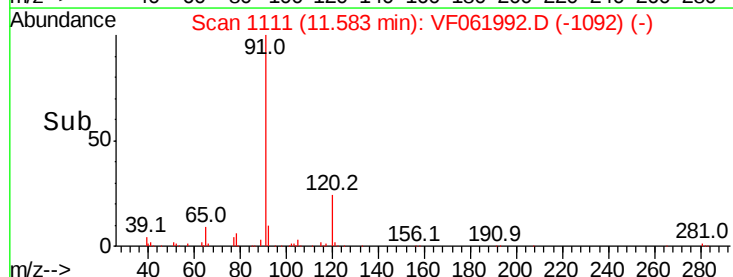
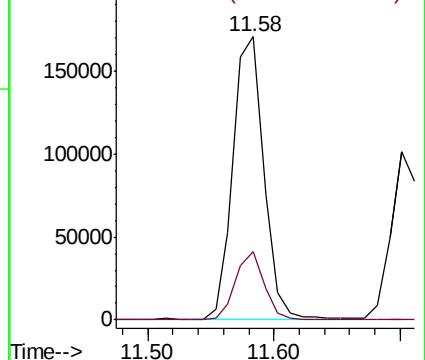
91 100

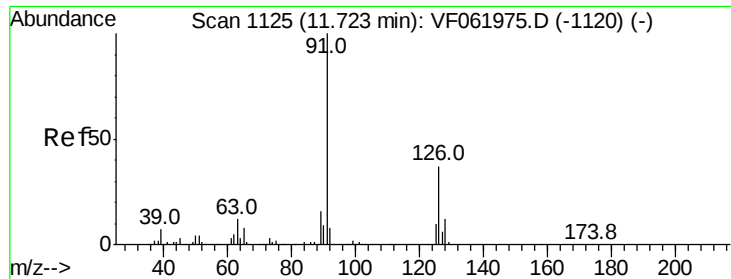
120 23.9 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.978 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.02 min

Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

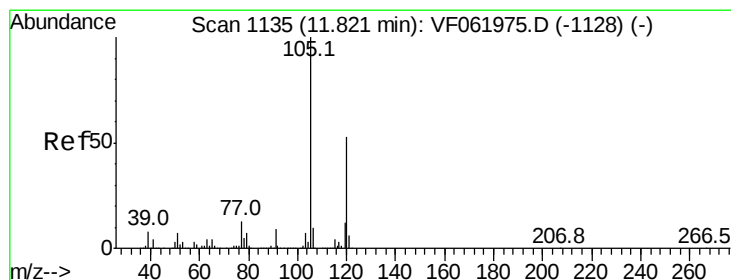
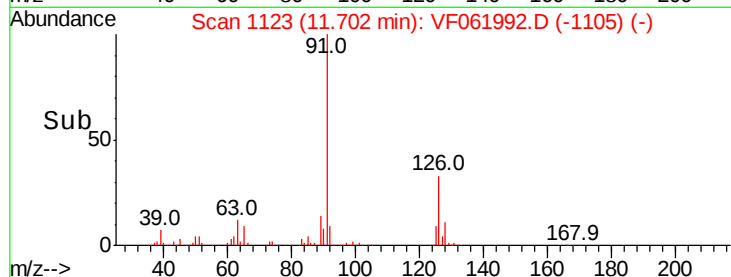
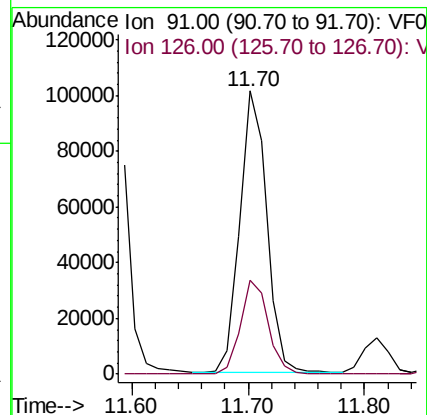
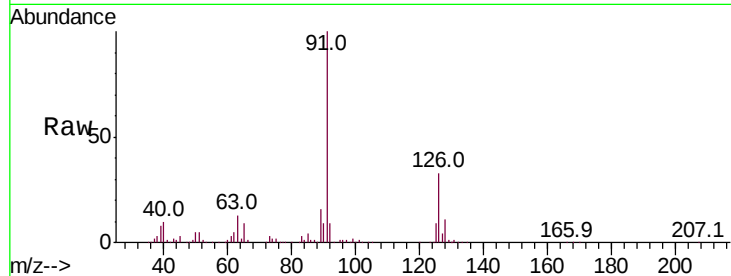
VF0318SBS01

Tot Ion: 91 Resp: 163600

Ion Ratio Lower Upper

91 100

126 33.2 18.4 55.2



#80

1,3,5-Trimethylbenzene

Concen: 18.767 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF061992.D

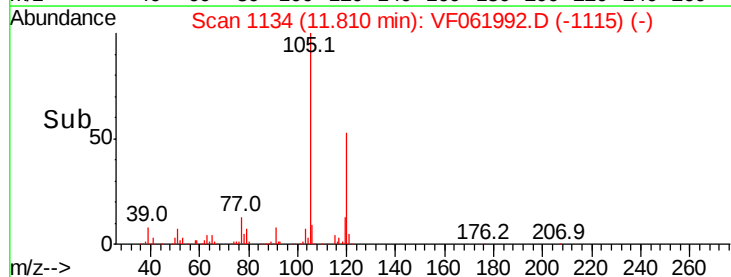
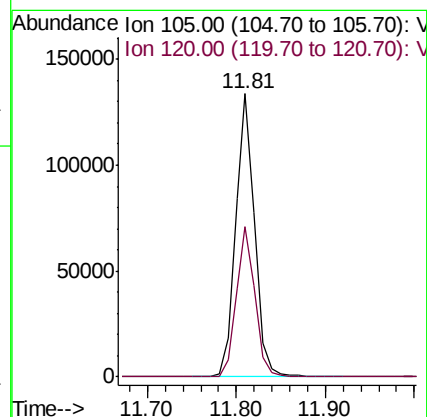
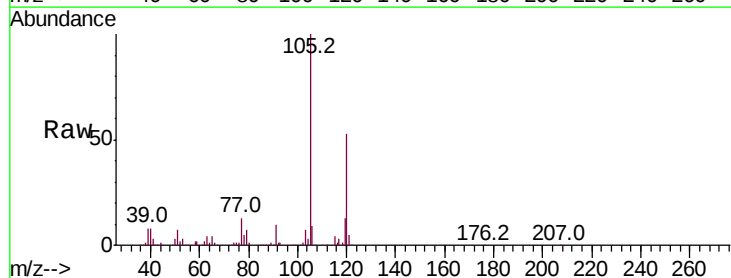
Acq: 18 Mar 2019 12:41

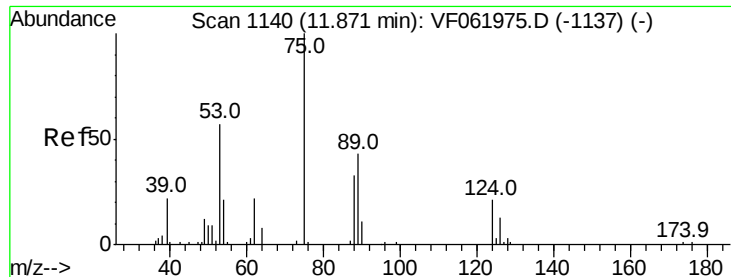
Tgt Ion:105 Resp: 201346

Ion Ratio Lower Upper

105 100

120 53.0 26.6 79.7





#81

trans-1,4-Dichloro-2-butene

Concen: 17.246 ug/l m

RT: 11.85 min Scan# 1138

Delta R.T. -0.02 min

Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VF0318SBS01

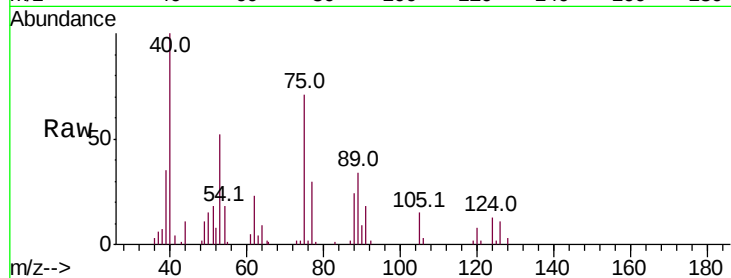
Tot Ion: 75 Resp: 11696

Ion Ratio Lower Upper

75 100

53 73.1 49.0 73.6

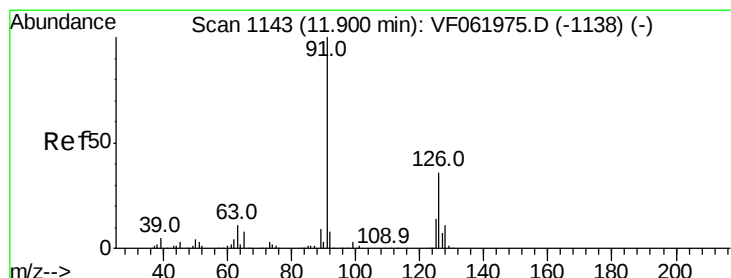
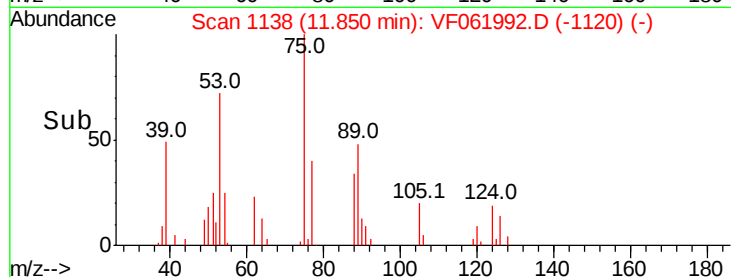
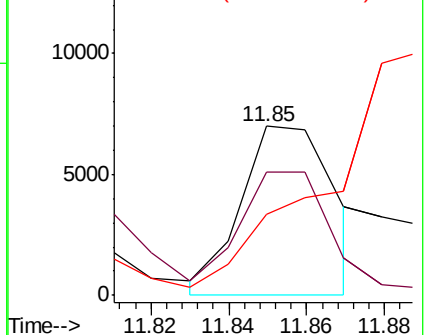
89 47.6 37.1 55.7



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 19.794 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.02 min

Lab File: VF061992.D

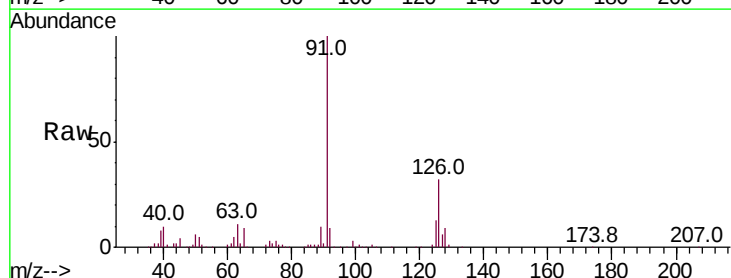
Acq: 18 Mar 2019 12:41

Tgt Ion: 91 Resp: 172554

Ion Ratio Lower Upper

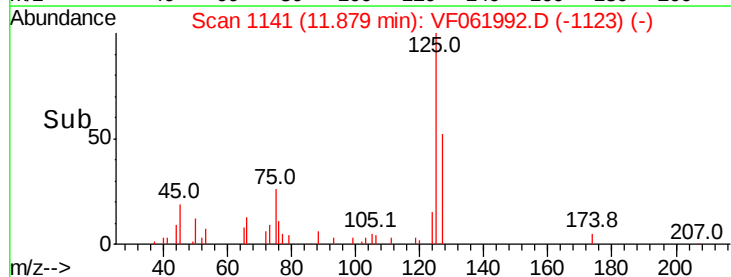
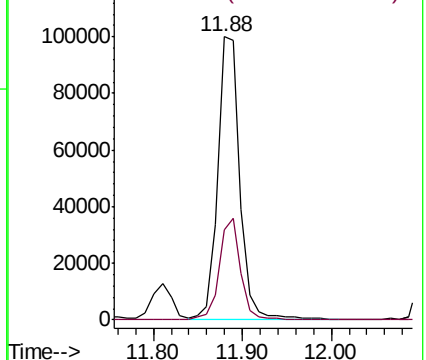
91 100

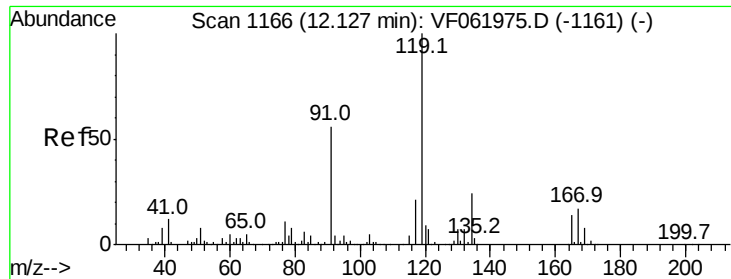
126 31.6 18.1 54.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

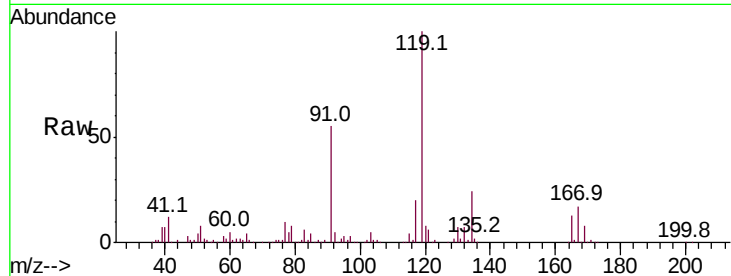




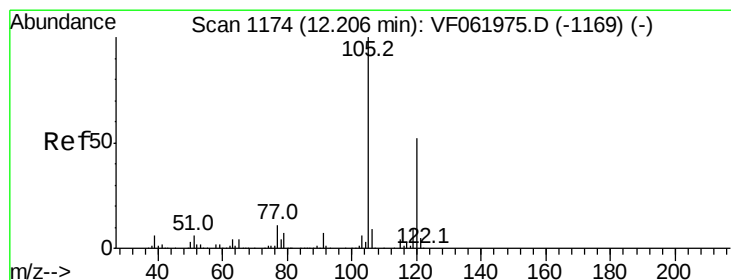
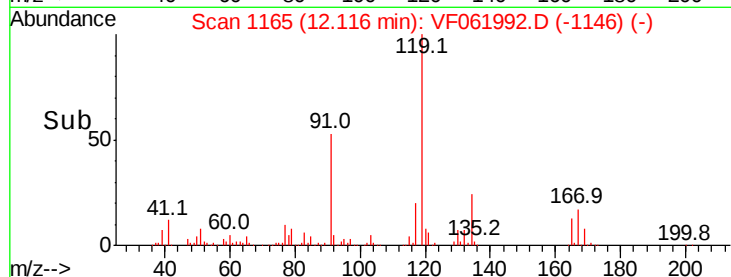
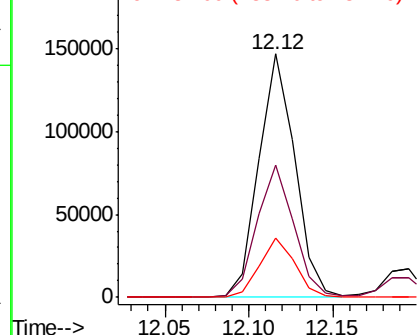
#83
tert-Butylbenzene
Concen: 19.525 ug/l
RT: 12.12 min Scan# 1165
Delta R.T. -0.01 min
Lab File: VF061992.D
Acq: 18 Mar 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VF0318SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.6	27.9	83.6
134	24.5	12.3	36.8

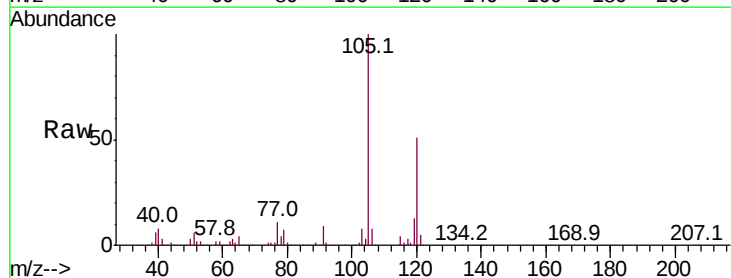


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

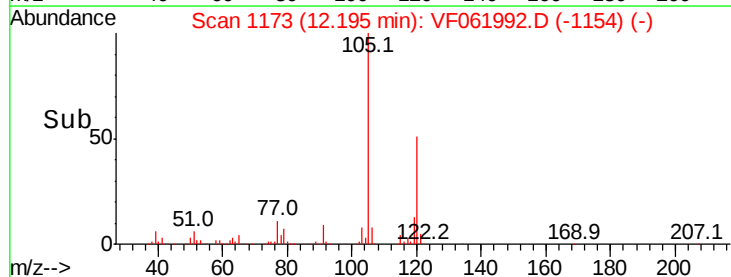
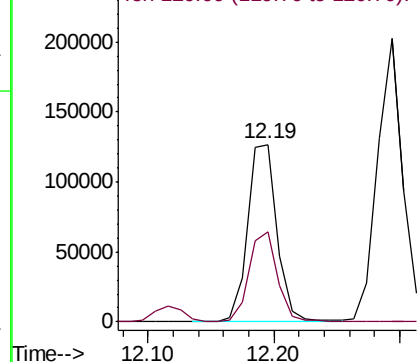


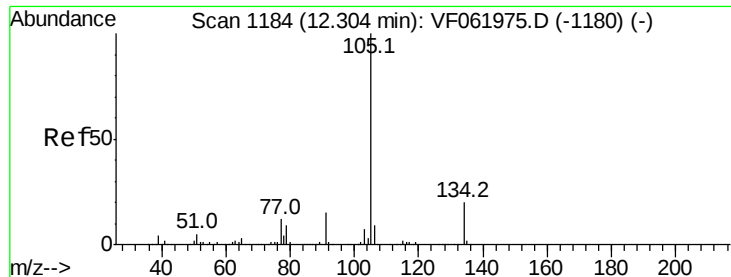
#84
1,2,4-Trimethylbenzene
Concen: 18.979 ug/l
RT: 12.19 min Scan# 1173
Delta R.T. -0.01 min
Lab File: VF061992.D
Acq: 18 Mar 2019 12:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	51.1	25.9	77.8



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

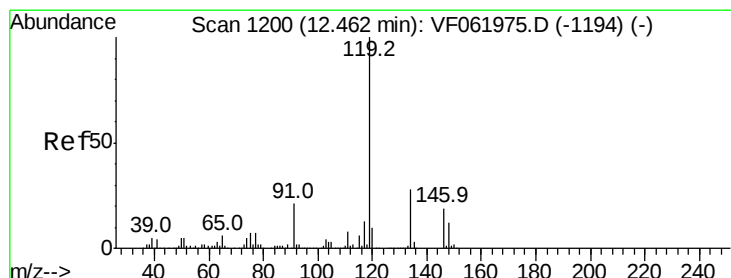
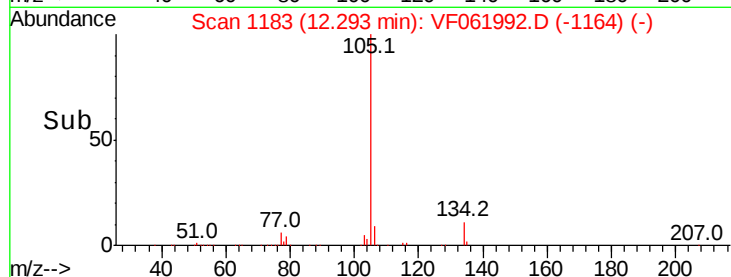
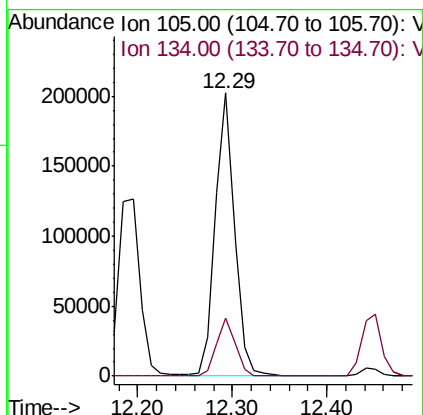
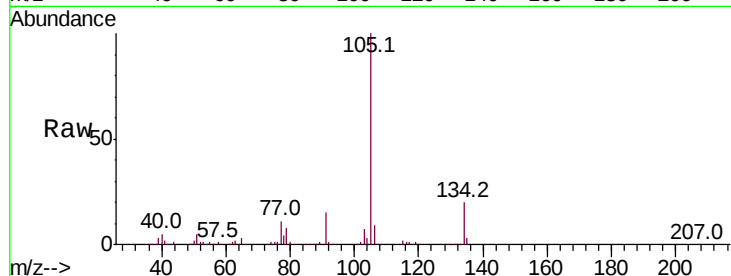




#85
 sec-Butylbenzene
 Concen: 18.929 ug/l
 RT: 12.29 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: VF061992.D
 Acq: 18 Mar 2019 12:41

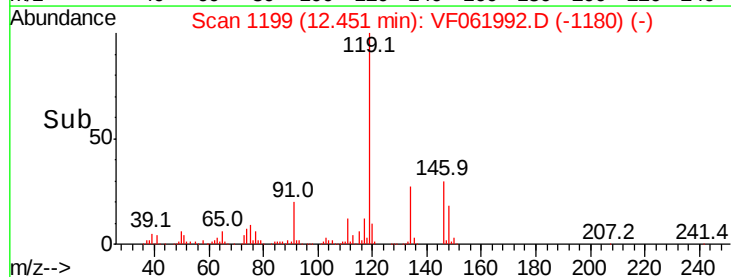
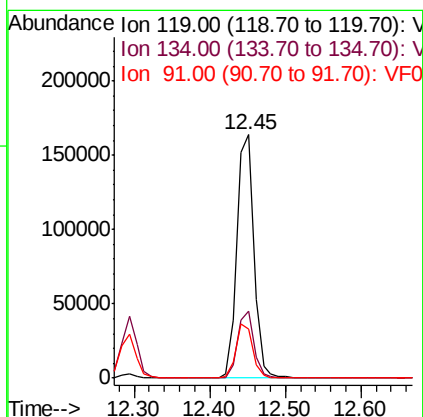
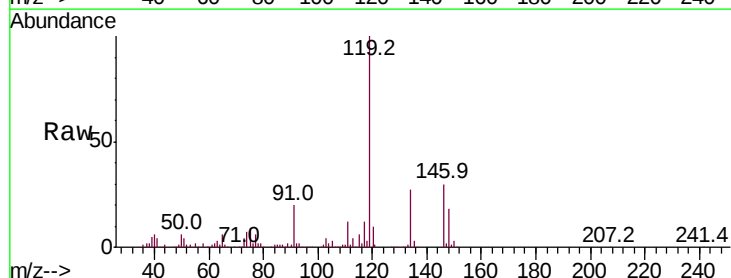
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0318SBS01

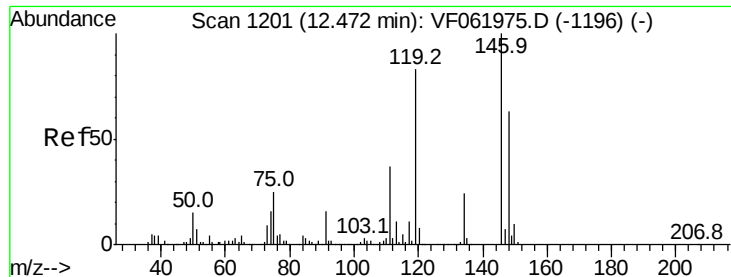
Tot Ion:105 Resp: 286961
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.0 29.8



#86
 p-Isopropyltoluene
 Concen: 19.902 ug/l
 RT: 12.45 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: VF061992.D
 Acq: 18 Mar 2019 12:41

Tgt Ion:119 Resp: 251755
 Ion Ratio Lower Upper
 119 100
 134 27.3 13.9 41.7
 91 20.1 10.4 31.1

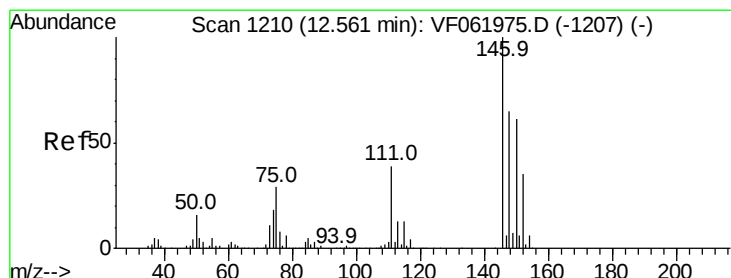
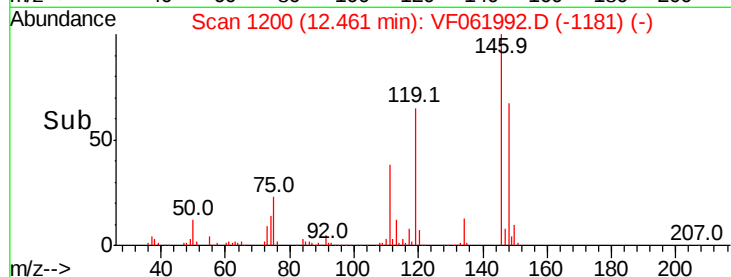
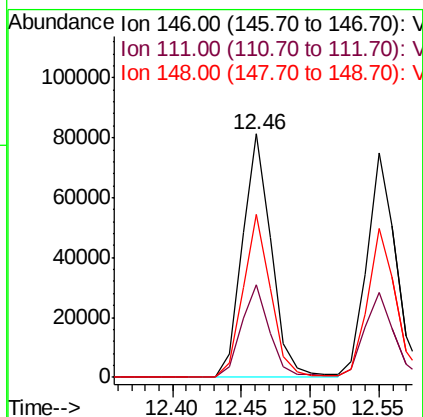
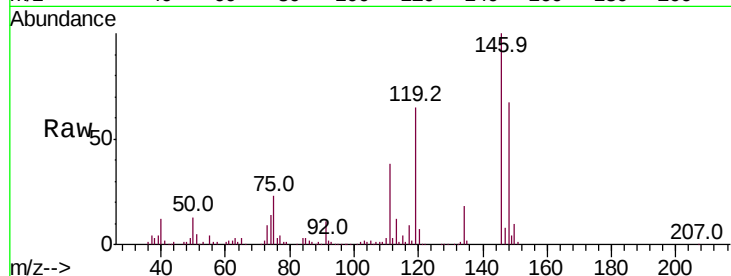




#87
 1,3-Dichlorobenzene
 Concen: 19.835 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF061992.D
 Acq: 18 Mar 2019 12:41

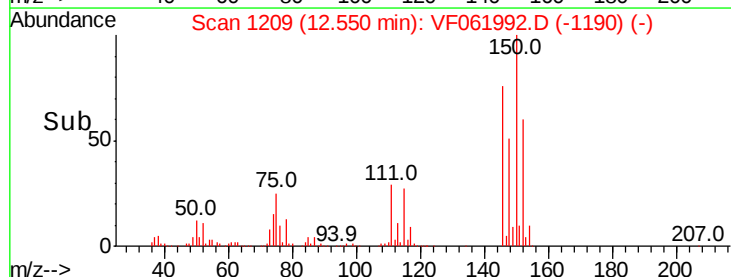
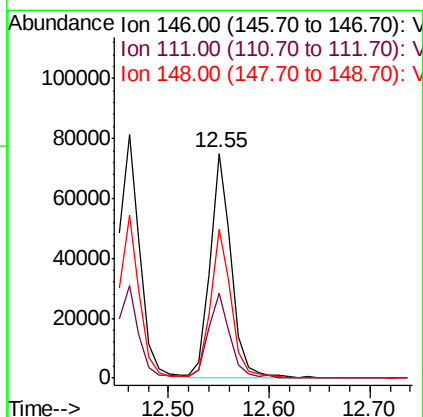
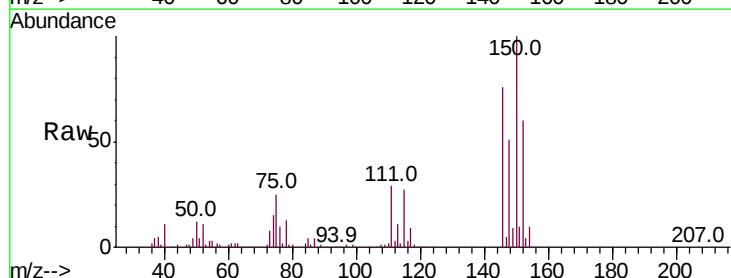
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0318SBS01

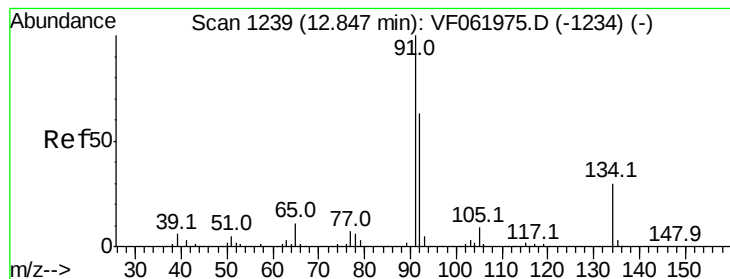
Tot Ion:146 Resp: 119906
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.6 55.8
 148 66.7 31.3 93.9



#88
 1,4-Dichlorobenzene
 Concen: 19.021 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF061992.D
 Acq: 18 Mar 2019 12:41

Tgt Ion:146 Resp: 110675
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.4 58.1
 148 66.4 32.4 97.0





#89

n-Butylbenzene

Concen: 20.491 ug/l

RT: 12.84 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VF061992.D

Acq: 18 Mar 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VF0318SBS01

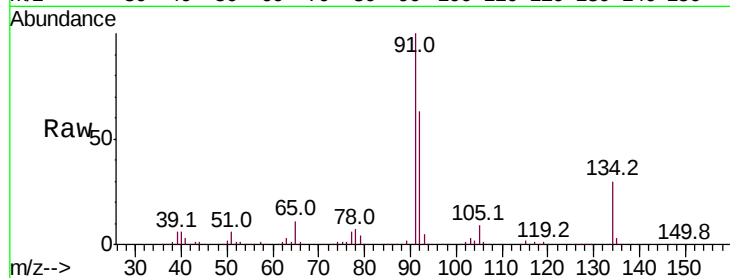
Tot Ion: 91 Resp: 243569

Ion Ratio Lower Upper

91 100

92 62.6 31.7 95.1

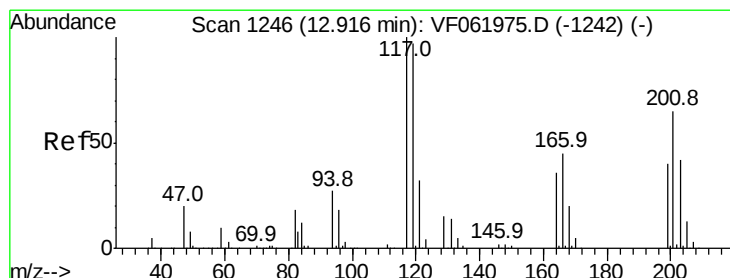
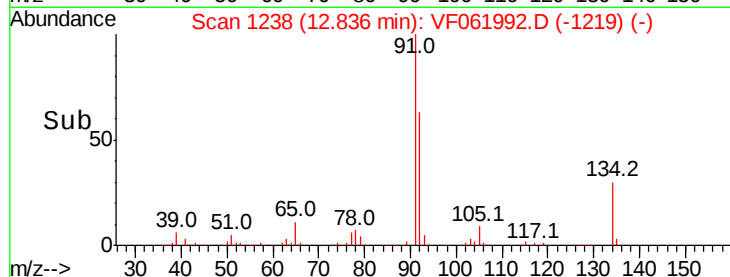
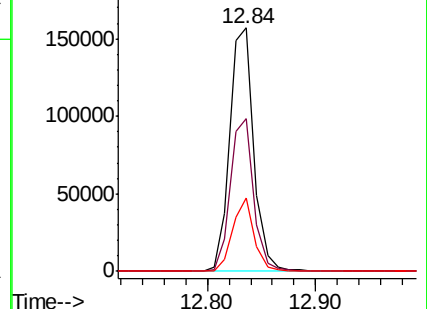
134 30.1 15.1 45.3



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: 19.556 ug/l

RT: 12.90 min Scan# 1245

Delta R.T. -0.01 min

Lab File: VF061992.D

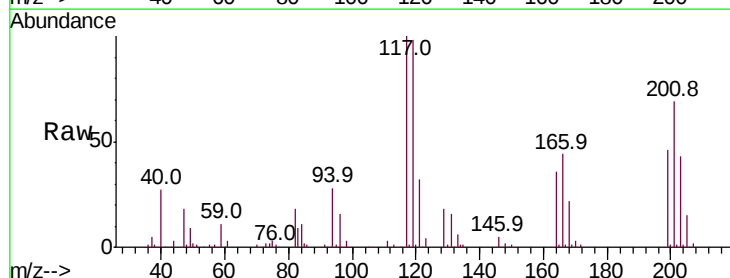
Acq: 18 Mar 2019 12:41

Tgt Ion: 117 Resp: 56453

Ion Ratio Lower Upper

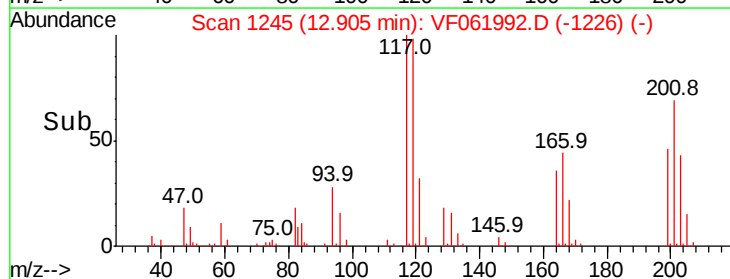
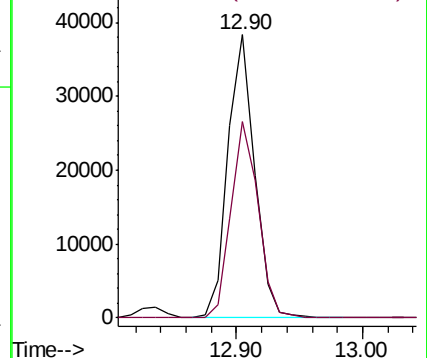
117 100

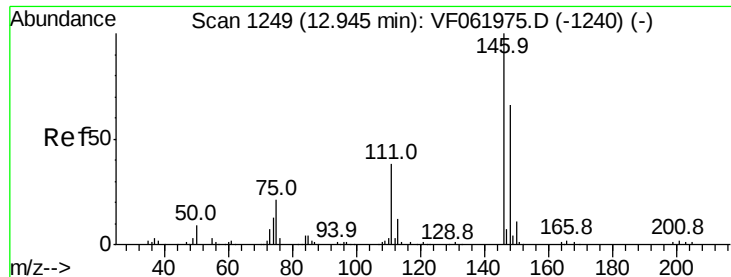
201 69.4 32.5 97.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

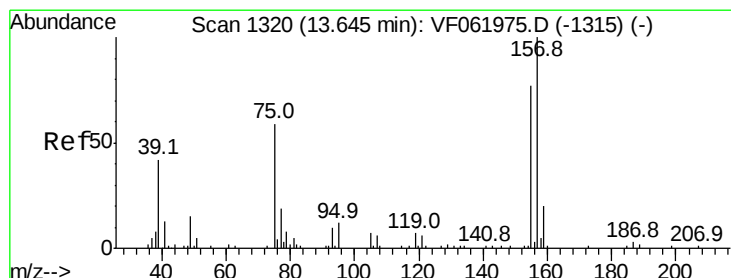
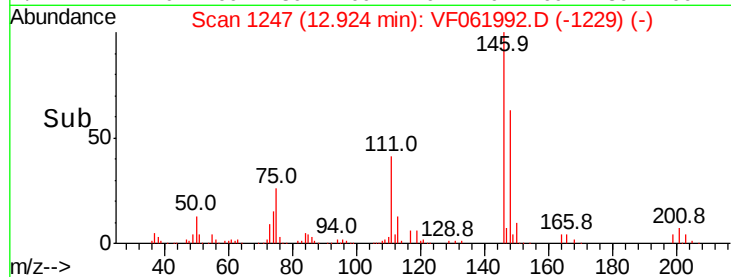
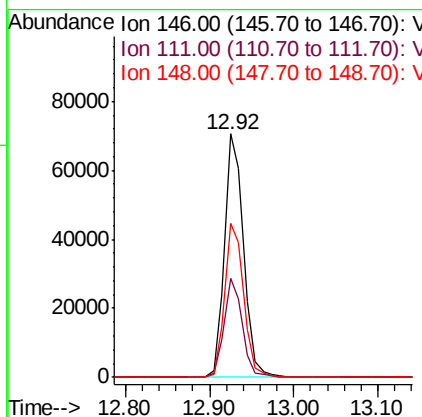
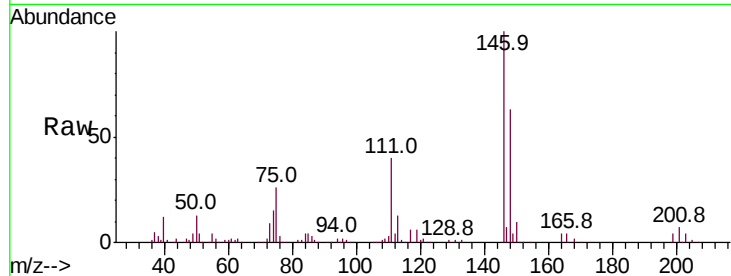




#91
 1,2-Dichlorobenzene
 Concen: 19.883 ug/l
 RT: 12.92 min Scan# 1247
 Delta R.T. -0.02 min
 Lab File: VF061992.D
 Acq: 18 Mar 2019 12:41

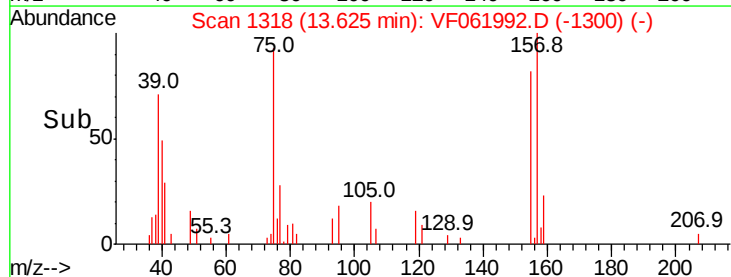
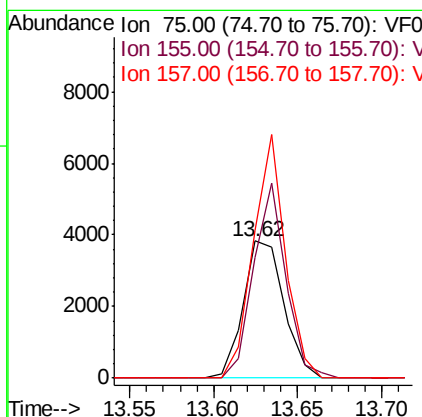
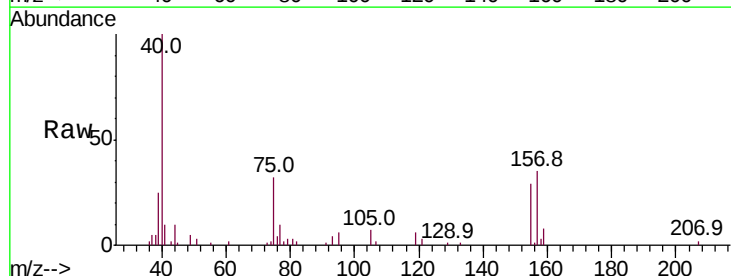
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0318SBS01

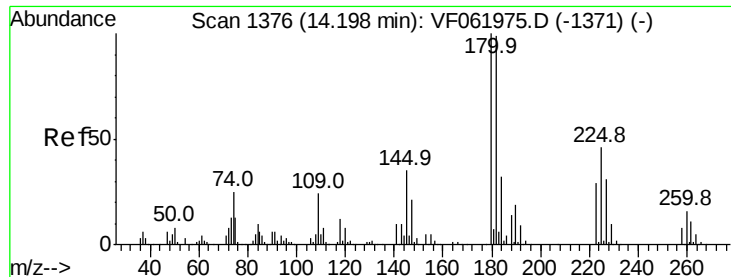
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	18.9	56.5
148	63.4	32.9	98.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.189 ug/l
 RT: 13.62 min Scan# 1318
 Delta R.T. -0.02 min
 Lab File: VF061992.D
 Acq: 18 Mar 2019 12:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.3	65.0	195.1
157	107.9	84.7	254.0

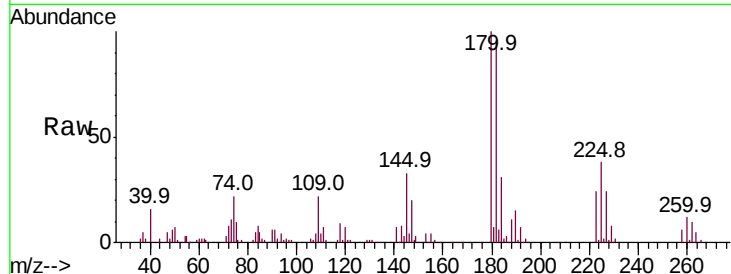




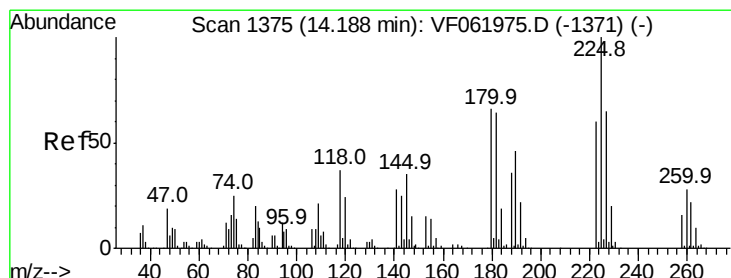
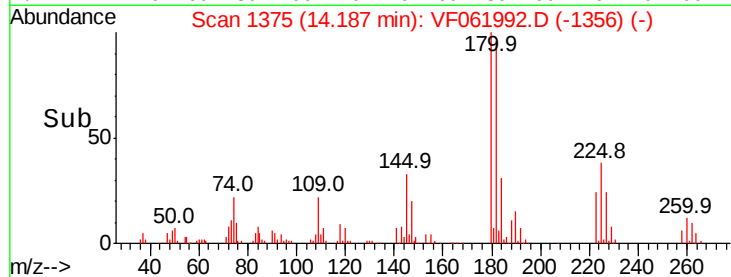
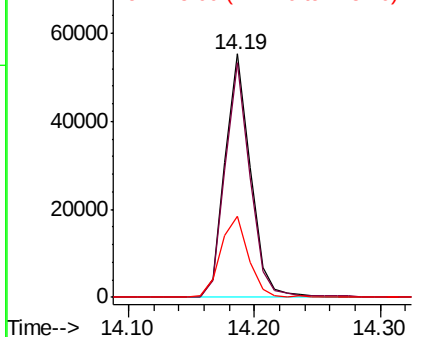
#93
 1,2,4-Trichlorobenzene
 Concen: 19.830 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF061992.D
 Acq: 18 Mar 2019 12:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0318SBSD01

Tot Ion:180 Resp: 77316
 Ion Ratio Lower Upper
 180 100
 182 96.4 49.6 149.0
 145 33.1 17.5 52.5

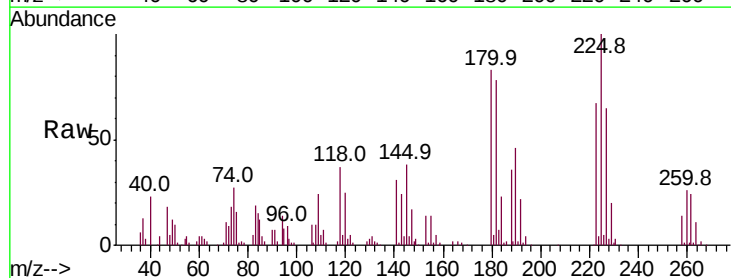


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

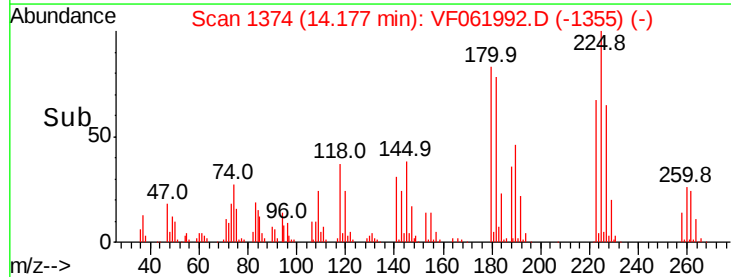
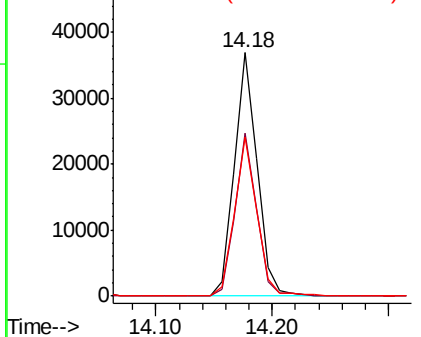


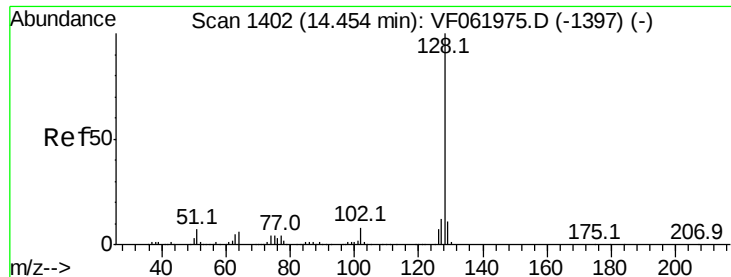
#94
 Hexachlorobutadiene
 Concen: 19.399 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VF061992.D
 Acq: 18 Mar 2019 12:41

Tgt Ion:225 Resp: 50211
 Ion Ratio Lower Upper
 225 100
 223 66.8 29.9 89.7
 227 65.3 32.4 97.2



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

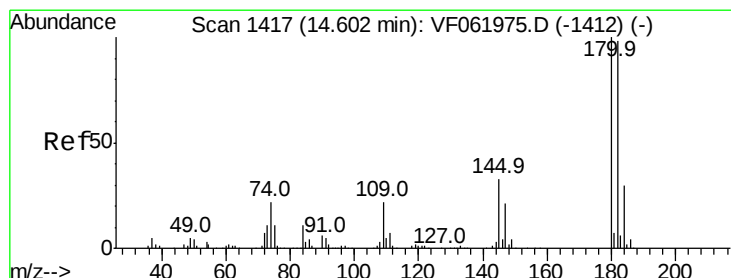
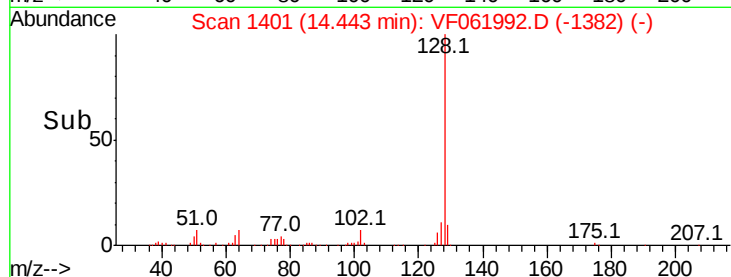
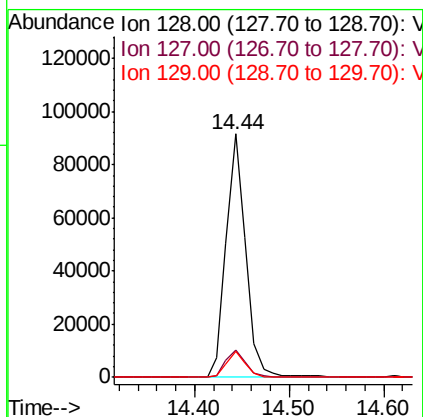
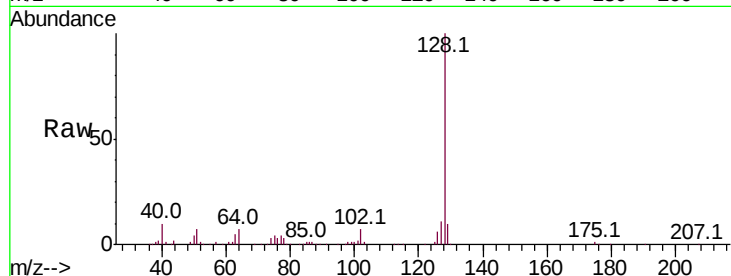




#95
Naphthalene
Concen: 18.841 ug/l
RT: 14.44 min Scan# 1401
Delta R.T. -0.01 min
Lab File: VF061992.D
Acq: 18 Mar 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VF0318SBS01

Tot Ion:128 Resp: 132117
Ion Ratio Lower Upper
128 100
127 11.3 9.3 13.9
129 10.5 9.1 13.7



#96
1,2,3-Trichlorobenzene
Concen: 18.656 ug/l
RT: 14.59 min Scan# 1416
Delta R.T. -0.01 min
Lab File: VF061992.D
Acq: 18 Mar 2019 12:41

Tgt Ion:180 Resp: 66920
Ion Ratio Lower Upper
180 100
182 97.3 48.9 146.8
145 30.8 16.7 50.1

