

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF030519\
 Data File : VF061846.D
 Acq On : 5 Mar 2019 15:40
 Operator : VA/AP
 Sample : VF0305SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0305SBSD01

Quant Time: Mar 06 05:43:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	303131	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.60	114	458285	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	388247	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	211714	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	121464	55.02	ug/l	0.00
Spiked Amount						
			Recovery	=	110.04%	
35) Dibromofluoromethane	4.11	113	175524	54.88	ug/l	-0.01
Spiked Amount						
			Recovery	=	109.76%	
50) Toluene-d8	7.56	98	499930	52.59	ug/l	0.00
Spiked Amount						
			Recovery	=	105.18%	
62) 4-Bromofluorobenzene	11.41	95	199139	53.48	ug/l	0.00
Spiked Amount						
			Recovery	=	106.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	85643	23.013	ug/l	90
3) Chloromethane	1.10	50	78528	21.773	ug/l	92
4) Vinyl Chloride	1.15	62	79823	23.314	ug/l	96
5) Bromomethane	1.35	94	49689	21.295	ug/l	87
6) Chloroethane	1.40	64	36869	22.654	ug/l	96
7) Trichlorofluoromethane	1.49	101	96660	23.115	ug/l	96
8) Diethyl Ether	1.63	74	20193	21.235	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.84	101	67342	23.714	ug/l	92
10) Methyl Iodide	1.92	142	91607	16.952	ug/l	99
11) Tert butyl alcohol	2.58	59	13167	105.086	ug/l	95
12) 1,1-Dichloroethene	1.80	96	57556	22.201	ug/l	96
13) Acrolein	2.01	56	16575	104.399	ug/l #	77
14) Allyl chloride	2.10	41	67168	23.518	ug/l	94
15) Acrylonitrile	2.94	53	44349	111.156	ug/l	98
16) Acetone	2.24	43	53453	115.595	ug/l	98
17) Carbon Disulfide	1.82	76	129399	16.035	ug/l	95
18) Methyl Acetate	2.35	43	24070	26.437	ug/l	97
19) Methyl tert-butyl Ether	2.43	73	96431	21.988	ug/l	100
20) Methylene Chloride	2.19	84	23294	4.250	ug/l	93
21) trans-1,2-Dichloroethene	2.31	96	62438	25.590	ug/l	88
22) Diisopropyl ether	2.81	45	160183	21.561	ug/l	95
23) Vinyl Acetate	3.19	43	384546	115.863	ug/l	99
24) 1,1-Dichloroethane	2.88	63	97185	21.885	ug/l	98
25) 2-Butanone	4.34	43	105195	111.839	ug/l	93
26) 2,2-Dichloropropane	3.61	77	47293	23.857	ug/l	89
27) cis-1,2-Dichloroethene	3.48	96	77690	22.982	ug/l	99
28) Bromochloromethane	3.72	49	41155	21.261	ug/l #	92
29) Tetrahydrofuran	4.08	42	44583	109.905	ug/l	97
30) Chloroform	3.86	83	113649	22.406	ug/l	94
31) Cyclohexane	3.69	56	62460	13.429	ug/l	96
32) 1,1,1-Trichloroethane	4.10	97	70963	22.698	ug/l	95
36) 1,1-Dichloropropene	4.28	75	96294	22.244	ug/l	98
37) Ethyl Acetate	4.12	43	43161	23.754	ug/l #	93
38) Carbon Tetrachloride	3.99	117	70476	22.998	ug/l	98

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 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	112458	21.994	ug/l	94
40) Benzene	4.63	78	248824	21.990	ug/l	98
41) Methacrylonitrile	4.75	41	18093	18.174	ug/l #	90
42) 1,2-Dichloroethane	4.95	62	60599	21.489	ug/l	96
43) Isopropyl Acetate	6.97	43	44111	19.694	ug/l	96
44) Trichloroethene	5.51	130	79760	22.682	ug/l	99
45) 1,2-Dichloropropane	6.24	63	59438	22.090	ug/l	98
46) Dibromomethane	6.09	93	35940	21.223	ug/l	95
47) Bromodichloromethane	6.39	83	78296	20.928	ug/l	93
48) Methyl methacrylate	6.72	41	30640	21.615	ug/l	89
49) 1,4-Dioxane	6.71	88	4995	385.472	ug/l	88
51) 4-Methyl-2-Pentanone	8.26	43	155620	100.529	ug/l	98
52) Toluene	7.63	92	147770	22.075	ug/l	97
53) t-1,3-Dichloropropene	8.28	75	61138	19.797	ug/l	92
54) cis-1,3-Dichloropropene	7.30	75	90847	21.327	ug/l	98
55) 1,1,2-Trichloroethane	8.50	97	40885	21.198	ug/l	95
56) Ethyl methacrylate	8.62	69	44491	20.468	ug/l	98
57) 1,3-Dichloropropane	8.85	76	72273	22.913	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.29	63	35034	101.887	ug/l	90
59) 2-Hexanone	9.49	43	117774	105.461	ug/l	99
60) Dibromochloromethane	8.71	129	60834	22.130	ug/l	89
61) 1,2-Dibromoethane	8.99	107	45026	21.229	ug/l	97
64) Tetrachloroethene	8.15	164	70717	23.705	ug/l	98
65) Chlorobenzene	9.80	112	165926	22.245	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.94	131	67211	23.257	ug/l	98
67) Ethyl Benzene	9.91	91	286343	23.161	ug/l	97
68) m/p-Xylenes	10.13	106	213804	45.143	ug/l	98
69) o-Xylene	10.71	106	112231	22.006	ug/l	96
70) Styrene	10.79	104	151135	21.057	ug/l #	91
71) Bromoform	10.77	173	31418	20.570	ug/l	98
73) Isopropylbenzene	11.13	105	329062	22.577	ug/l	99
74) N-amyl acetate	11.38	43	75015	22.356	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.69	83	54054	22.314	ug/l	93
76) 1,2,3-Trichloropropane	11.80	75	35777	21.639	ug/l	89
77) Bromobenzene	11.49	156	81371	23.197	ug/l	91
78) n-propylbenzene	11.59	91	388855	23.624	ug/l	98
79) 2-Chlorotoluene	11.72	91	211234	22.447	ug/l	100
80) 1,3,5-Trimethylbenzene	11.82	105	267346	22.846	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.87	75	21205	28.048	ug/l	96
82) 4-Chlorotoluene	11.90	91	217258	22.571	ug/l	99
83) tert-Butylbenzene	12.13	119	295938	23.816	ug/l	96
84) 1,2,4-Trimethylbenzene	12.20	105	274221	23.904	ug/l	97
85) sec-Butylbenzene	12.30	105	376604	23.290	ug/l	99
86) p-Isopropyltoluene	12.46	119	427551	31.106	ug/l	96
87) 1,3-Dichlorobenzene	12.47	146	168542	25.304	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	142717	22.212	ug/l	99
89) n-Butylbenzene	12.84	91	317347	24.159	ug/l	97
90) Hexachloroethane	12.91	117	73953	22.353	ug/l	91
91) 1,2-Dichlorobenzene	12.94	146	145637	23.078	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	9465	24.572	ug/l	71

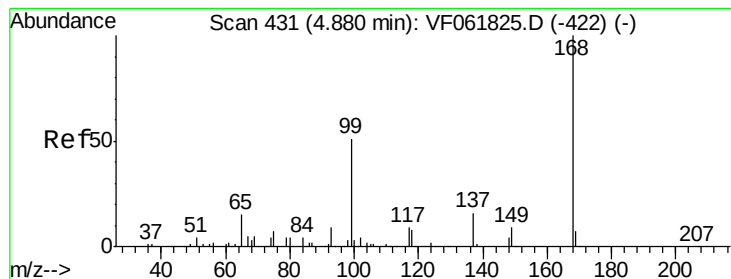
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF030519\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	105181	23.774	ug/l	93
94) Hexachlorobutadiene	14.19	225	71020	23.188	ug/l	99
95) Naphthalene	14.45	128	162293	20.596	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	92058	22.536	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

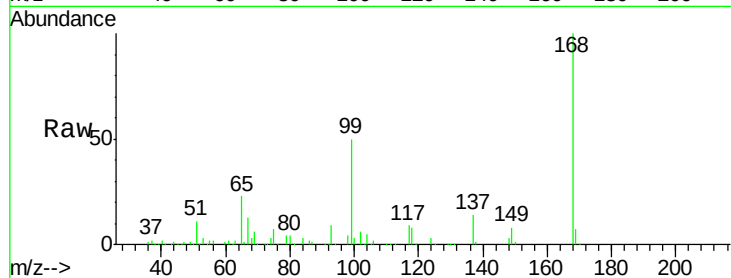
VF0305SBSD01

Tot Ion:168 Resp: 303131

Ion Ratio Lower Upper

168 100

99 50.0 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

100000

80000

60000

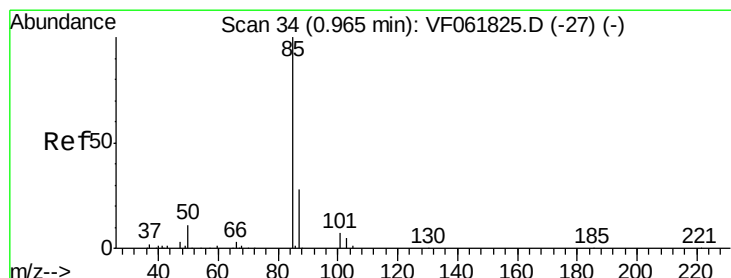
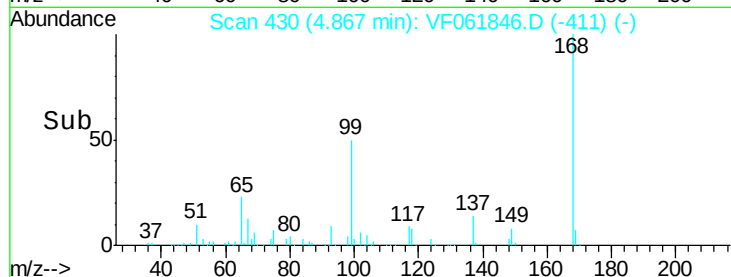
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 23.013 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.00 min

Lab File: VF061846.D

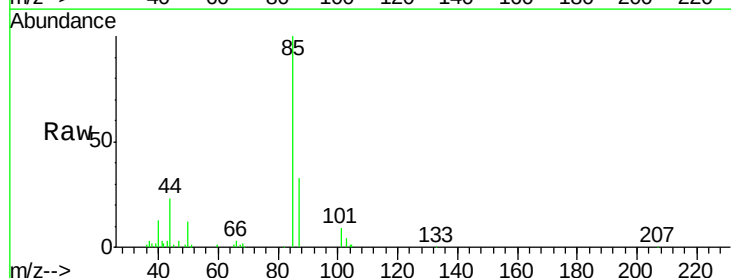
Acq: 5 Mar 2019 15:40

Tgt Ion: 85 Resp: 85643

Ion Ratio Lower Upper

85 100

87 33.3 14.1 42.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

25000

20000

15000

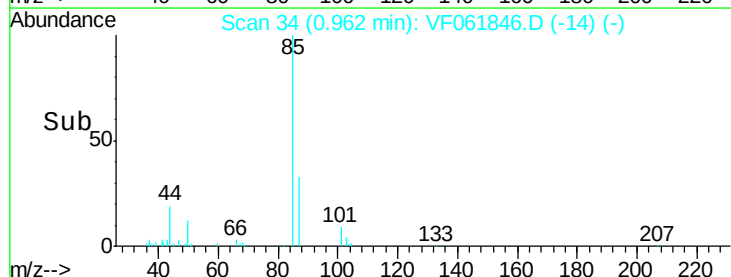
10000

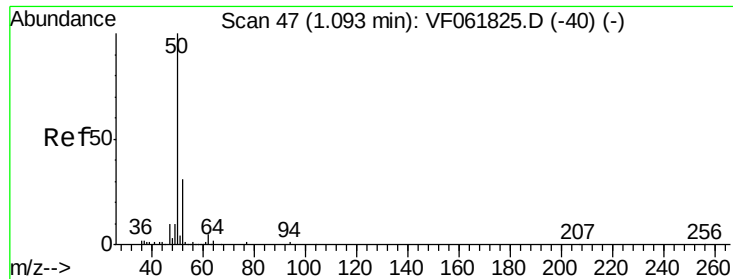
5000

0

Time-->

0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 21.773 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

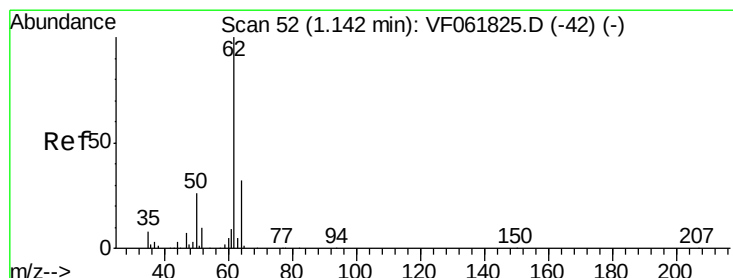
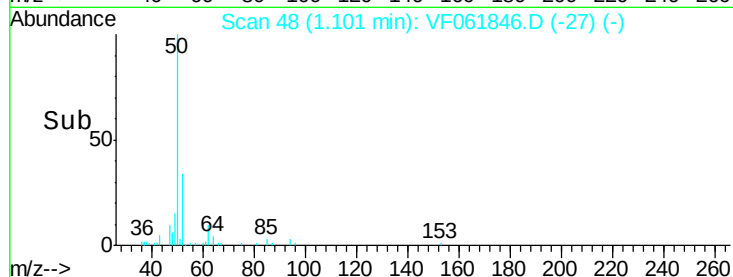
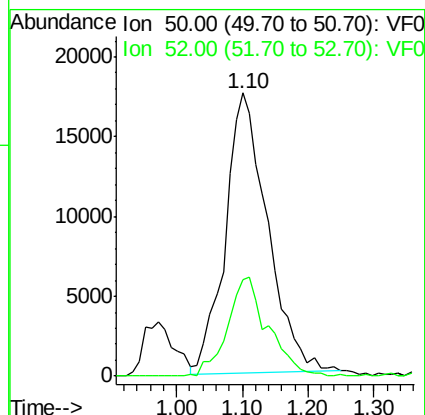
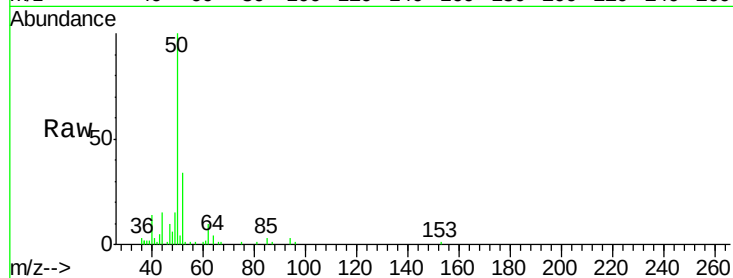
VF0305SBS01

Tot Ion: 50 Resp: 78528

Ion Ratio Lower Upper

50 100

52 34.1 23.8 35.8



#4

Vinyl Chloride

Concen: 23.314 ug/l

RT: 1.15 min Scan# 53

Delta R.T. 0.01 min

Lab File: VF061846.D

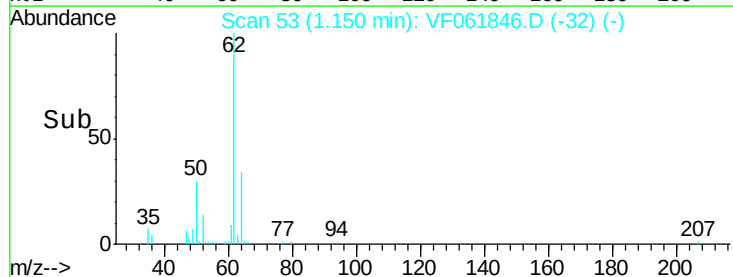
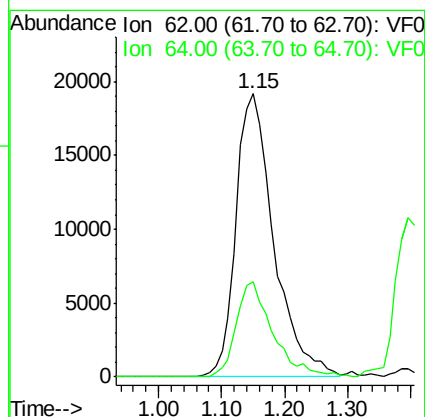
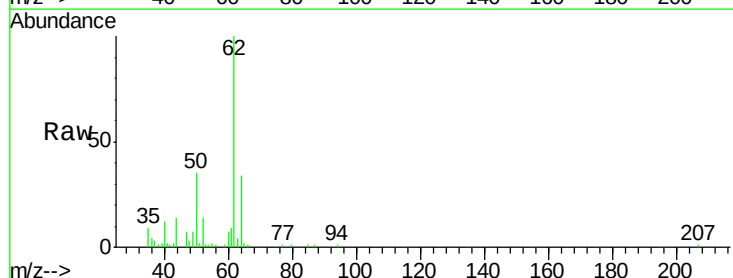
Acq: 5 Mar 2019 15:40

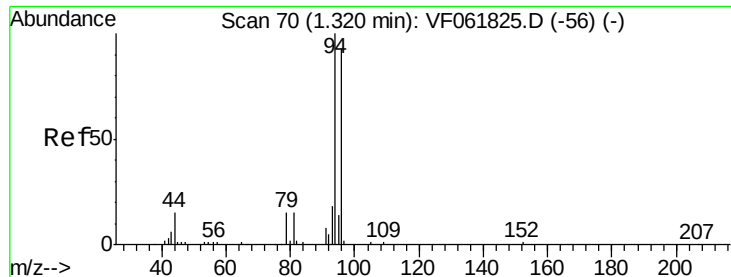
Tgt Ion: 62 Resp: 79823

Ion Ratio Lower Upper

62 100

64 33.5 25.2 37.8





#5

Bromomethane

Concen: 21.295 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.03 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

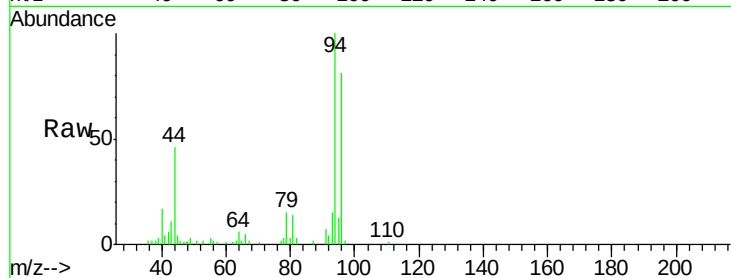
VF0305SBSD01

Tot Ion: 94 Resp: 49689

Ion Ratio Lower Upper

94 100

96 81.3 75.2 112.8



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

10000

8000

6000

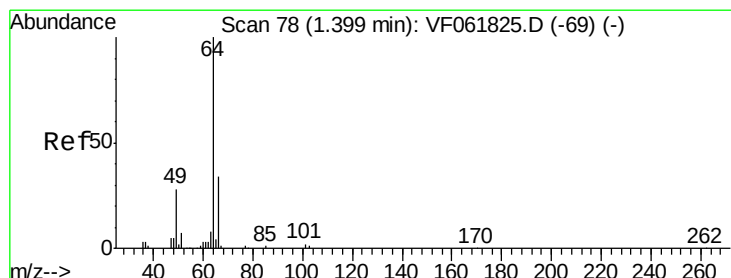
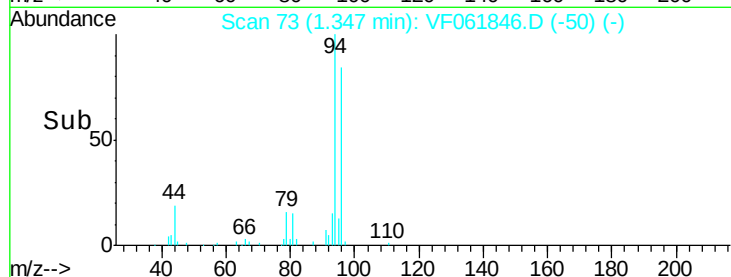
4000

2000

0

1.10 1.20 1.30 1.40 1.50

Time-->



#6

Chloroethane

Concen: 22.654 ug/l

RT: 1.40 min Scan# 78

Delta R.T. -0.00 min

Lab File: VF061846.D

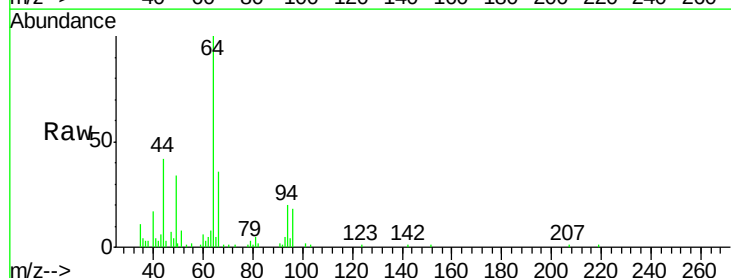
Acq: 5 Mar 2019 15:40

Tgt Ion: 64 Resp: 36869

Ion Ratio Lower Upper

64 100

66 36.2 27.0 40.4



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

12000

10000

8000

6000

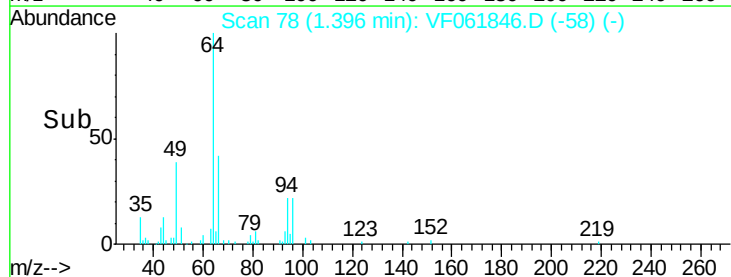
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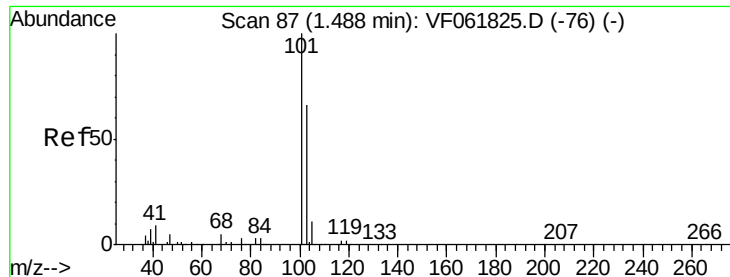
2000

0

1.20 1.30 1.40 1.50 1.60

Time-->





#7

Trichlorofluoromethane

Concen: 23.115 ug/l

RT: 1.49 min Scan# 87

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

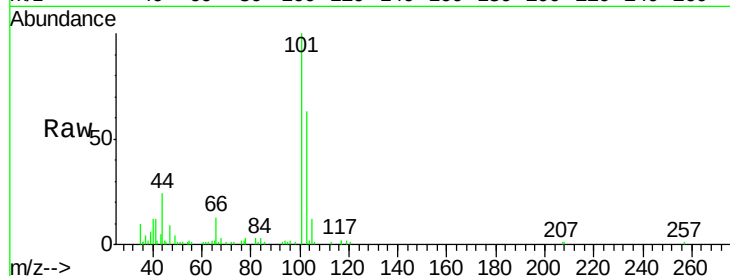
VF0305SBS01

Tot Ion:101 Resp: 96660

Ion Ratio Lower Upper

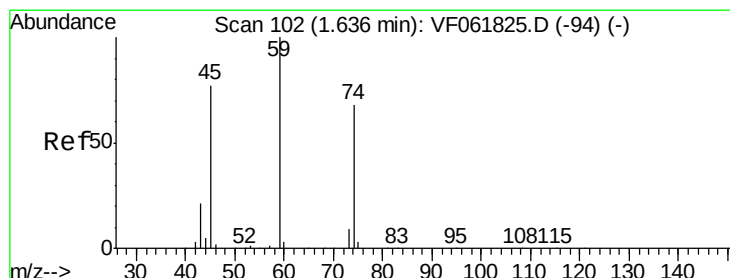
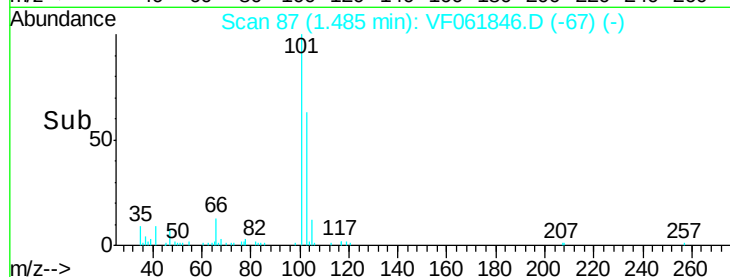
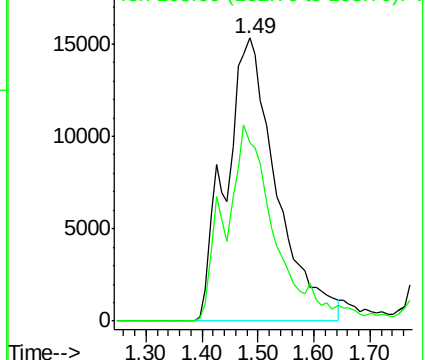
101 100

103 63.1 52.8 79.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 21.235 ug/l

RT: 1.63 min Scan# 102

Delta R.T. -0.00 min

Lab File: VF061846.D

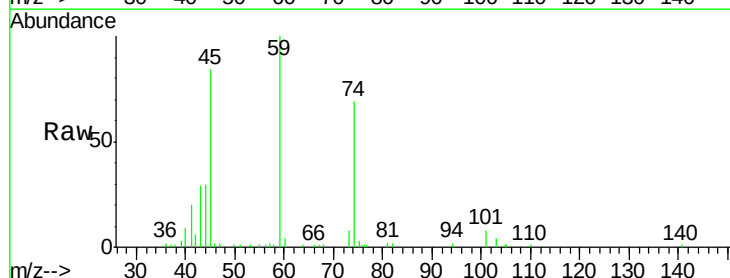
Acq: 5 Mar 2019 15:40

Tgt Ion: 74 Resp: 20193

Ion Ratio Lower Upper

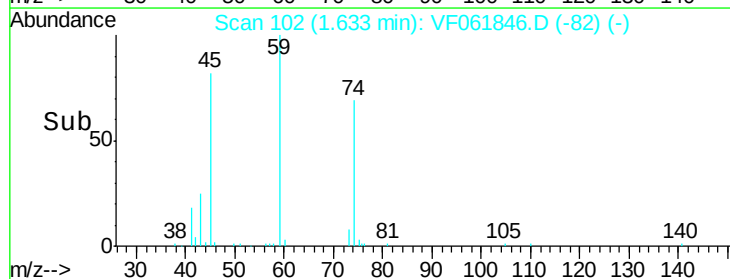
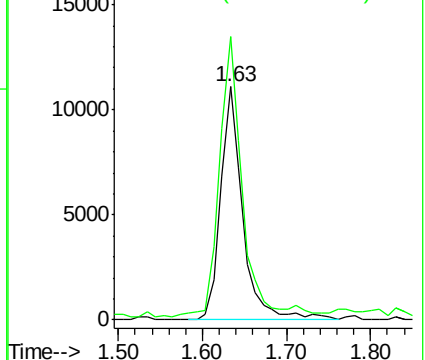
74 100

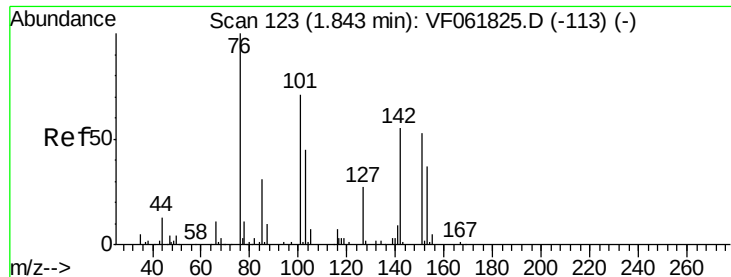
45 121.3 57.2 171.6



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.714 ug/l

RT: 1.84 min Scan# 123

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VF0305SBSD01

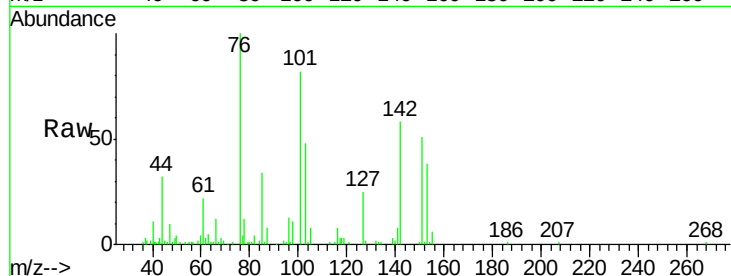
Tot Ion:101 Resp: 67342

Ion Ratio Lower Upper

101 100

85 40.8 34.0 51.0

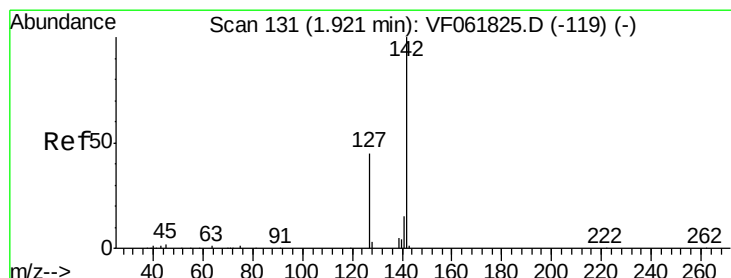
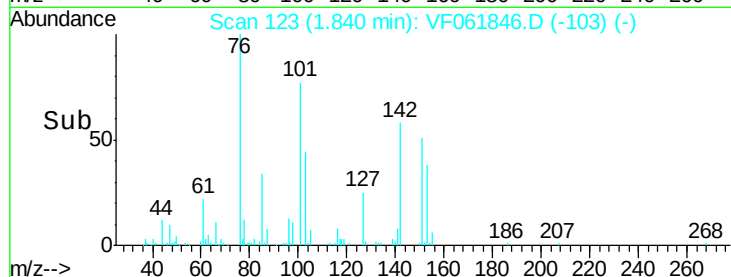
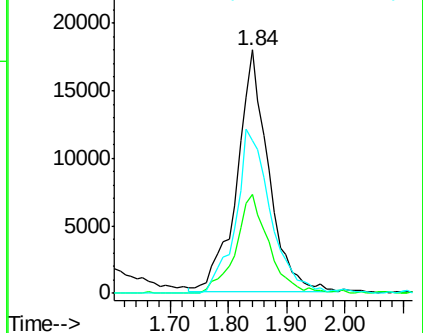
151 62.5 57.3 85.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 16.952 ug/l

RT: 1.92 min Scan# 131

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

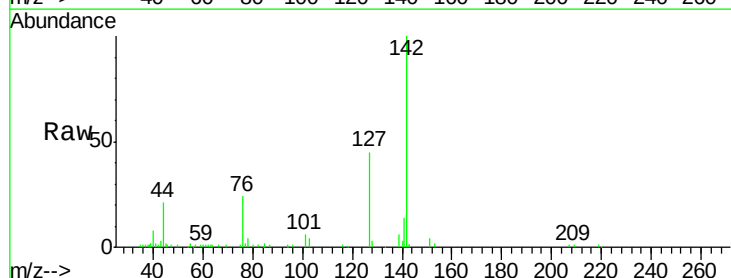
Tgt Ion:142 Resp: 91607

Ion Ratio Lower Upper

142 100

127 44.6 35.8 53.6

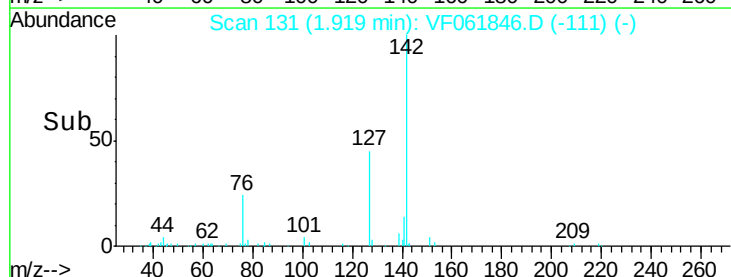
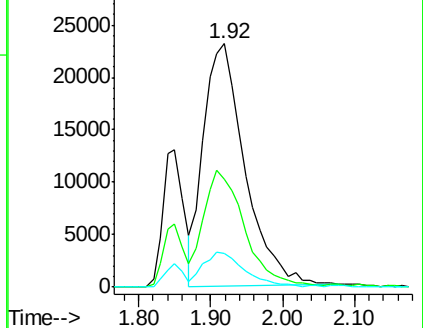
141 13.7 11.7 17.5

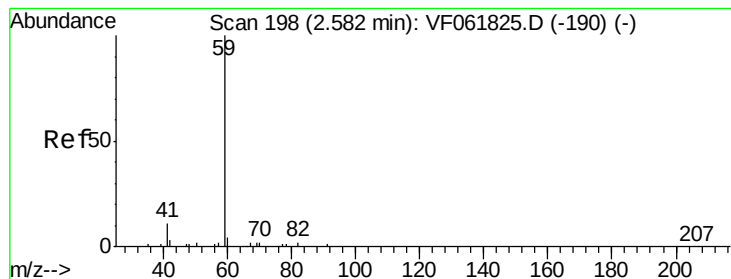


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



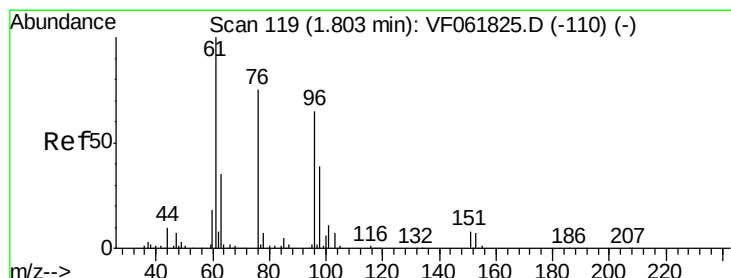
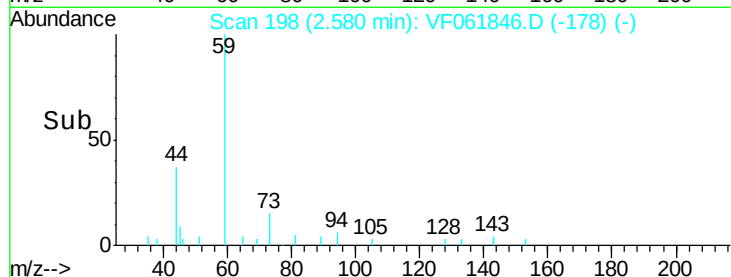
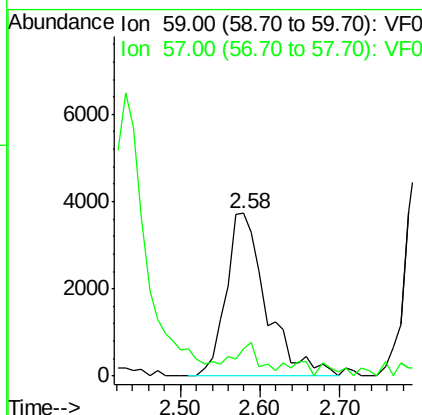
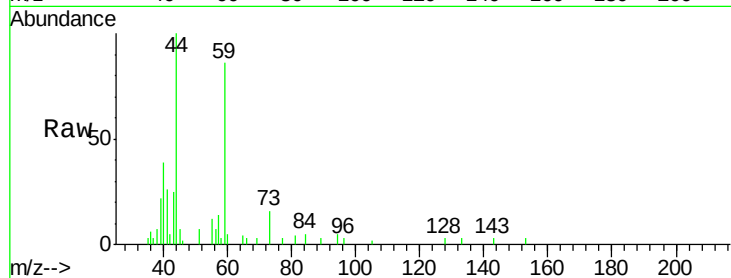


#11

Tert butyl alcohol
 Concen: 105.086 ug/l
 RT: 2.58 min Scan# 198
 Delta R.T. -0.00 min
 Lab File: VF061846.D
 Acq: 5 Mar 2019 15:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0305SBS01

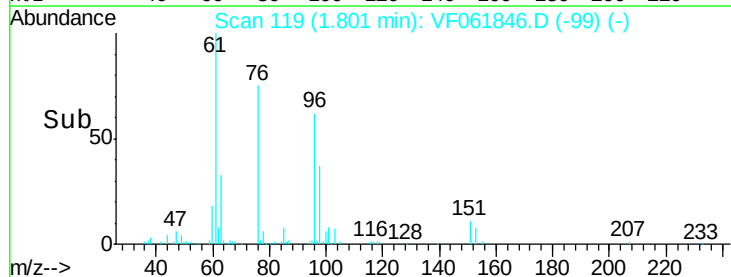
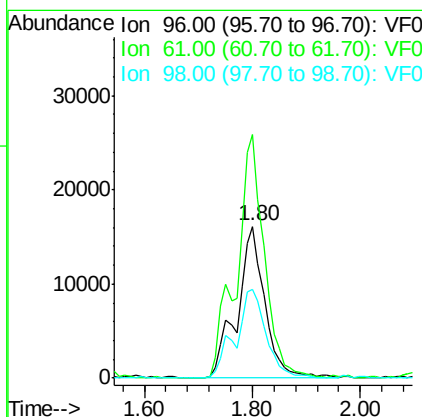
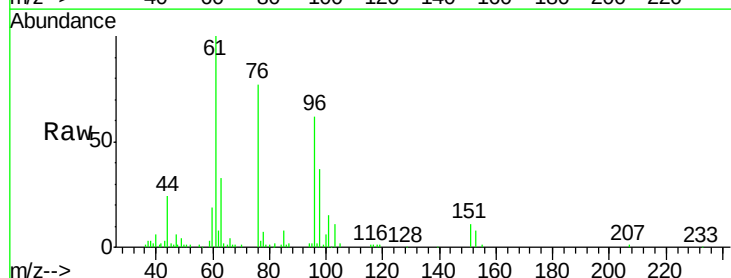
Tot Ion: 59 Resp: 13167
 Ion Ratio Lower Upper
 59 100
 57 16.6 11.8 17.6

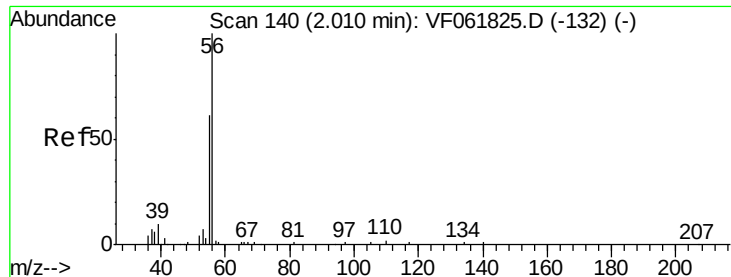


#12

1,1-Dichloroethene
 Concen: 22.201 ug/l
 RT: 1.80 min Scan# 119
 Delta R.T. -0.00 min
 Lab File: VF061846.D
 Acq: 5 Mar 2019 15:40

Tgt Ion: 96 Resp: 57556
 Ion Ratio Lower Upper
 96 100
 61 160.2 122.5 183.7
 98 58.5 47.1 70.7





#13

Acrolein

Concen: 104.399 ug/l

RT: 2.01 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

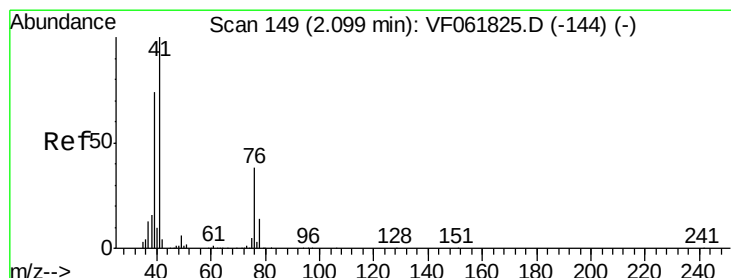
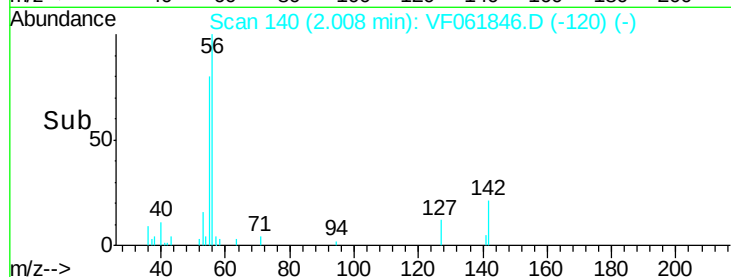
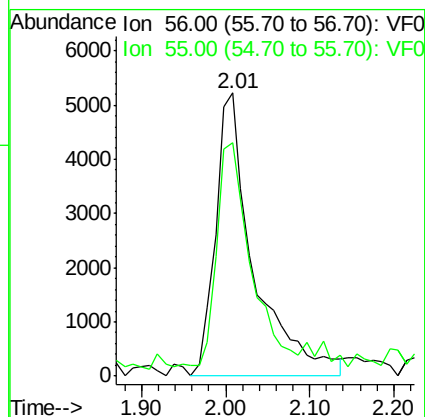
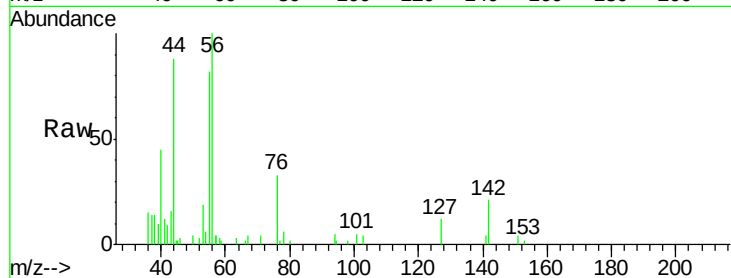
VF0305SBSD01

Tot Ion: 56 Resp: 16575

Ion Ratio Lower Upper

56 100

55 82.4 51.3 76.9#



#14

Allyl chloride

Concen: 23.518 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

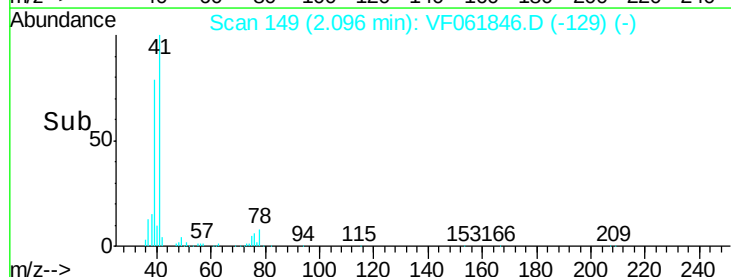
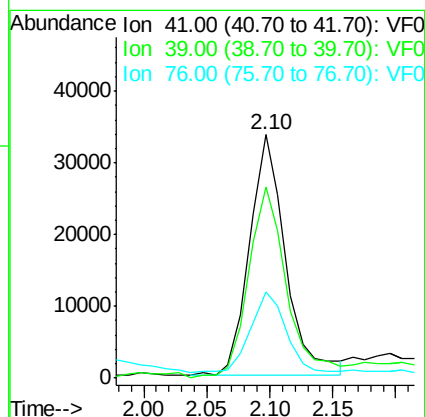
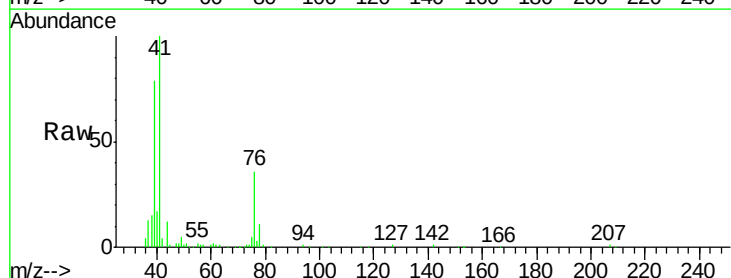
Tgt Ion: 41 Resp: 67168

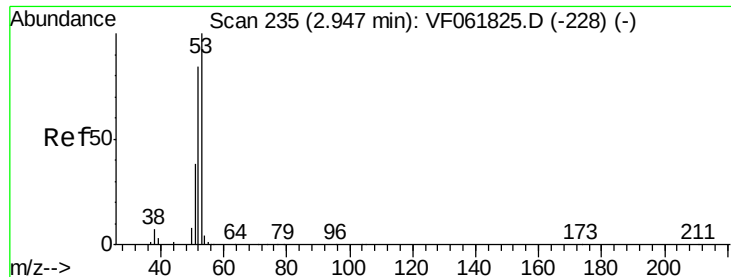
Ion Ratio Lower Upper

41 100

39 78.6 59.6 89.4

76 35.5 32.3 48.5





#15

Acrylonitrile

Concen: 111.156 ug/l

RT: 2.94 min Scan# 235

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

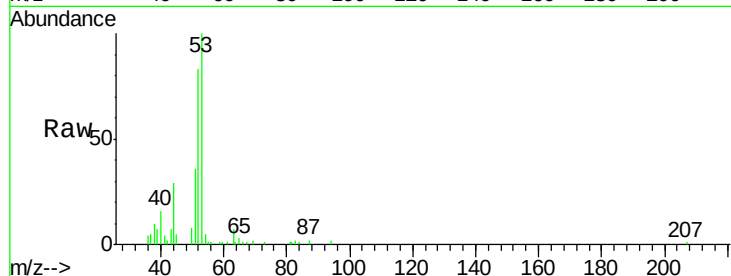
MSVOA_F

ClientSampleId :

VF0305SBS01

Tot Ion: 53 Resp: 44349

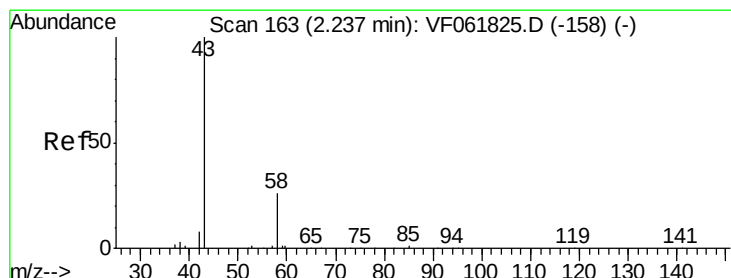
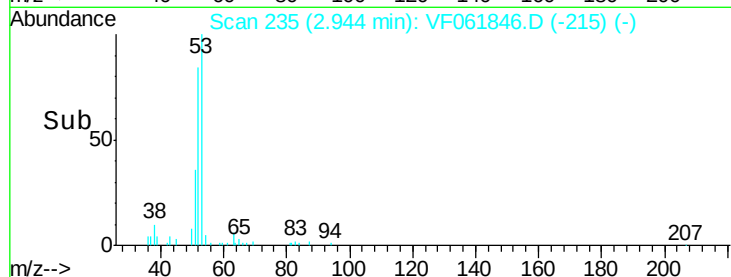
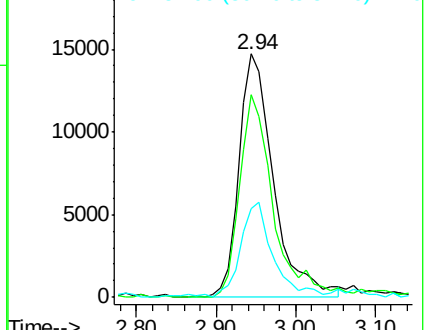
Ion	Ratio	Lower	Upper
53	100		
52	83.0	67.4	101.0
51	36.3	30.7	46.1



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 115.595 ug/l

RT: 2.24 min Scan# 164

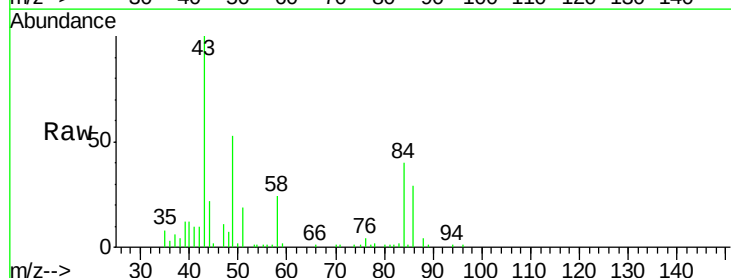
Delta R.T. 0.01 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

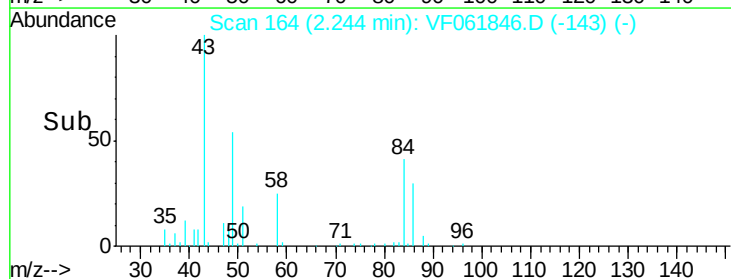
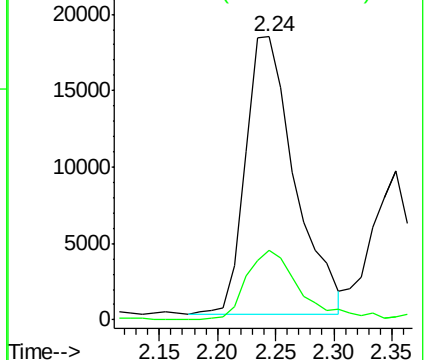
Tgt Ion: 43 Resp: 53453

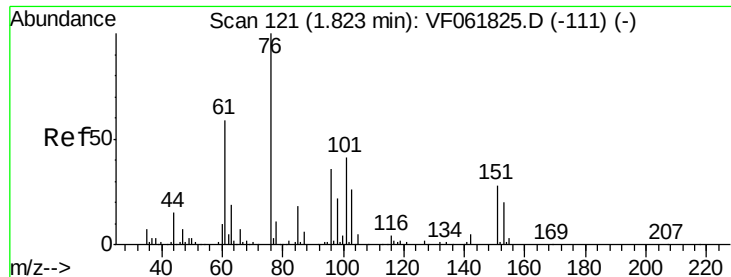
Ion	Ratio	Lower	Upper
43	100		
58	24.4	20.3	30.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 16.035 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

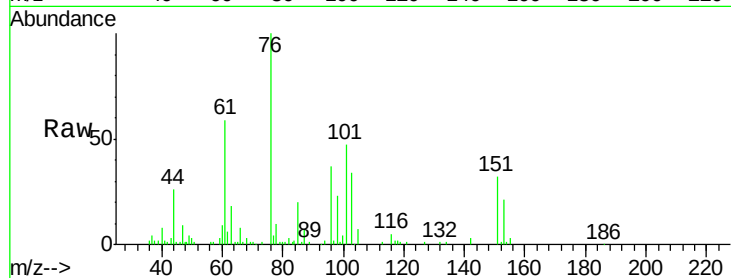
VF0305SBSD01

Tot Ion: 76 Resp: 129399

Ion Ratio Lower Upper

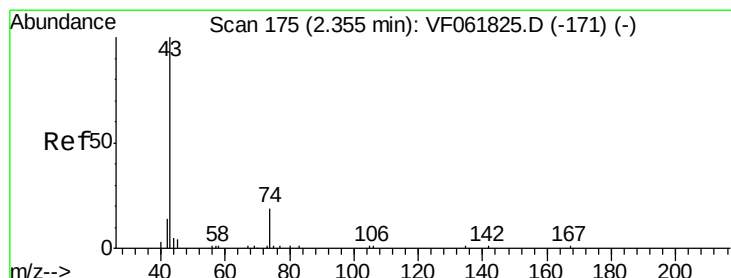
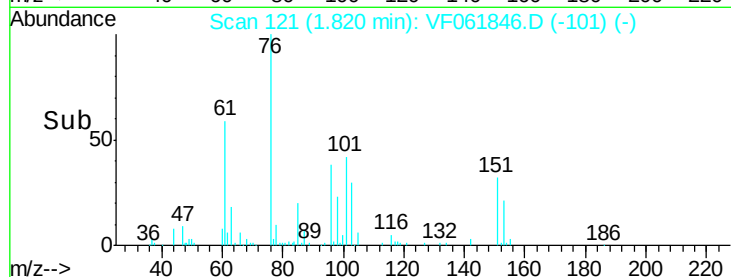
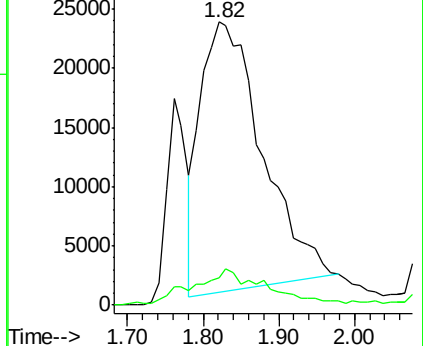
76 100

78 9.5 9.1 13.7



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 26.437 ug/l

RT: 2.35 min Scan# 175

Delta R.T. -0.00 min

Lab File: VF061846.D

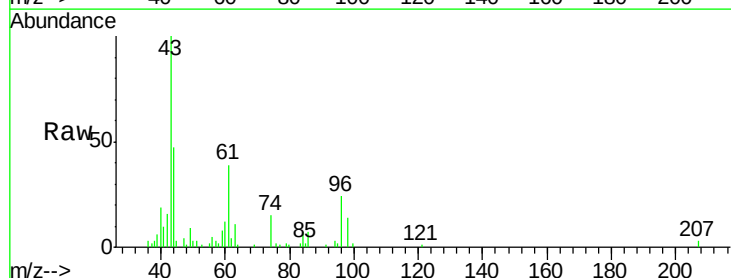
Acq: 5 Mar 2019 15:40

Tgt Ion: 43 Resp: 24070

Ion Ratio Lower Upper

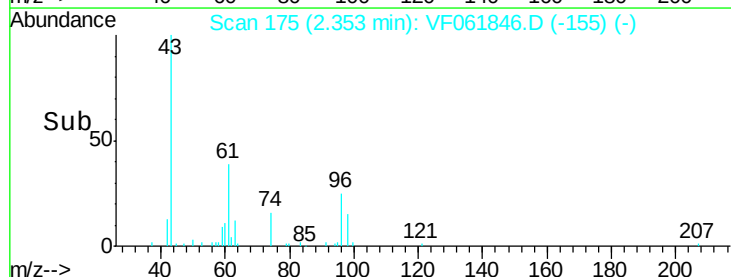
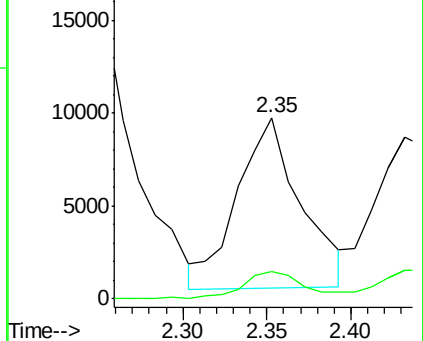
43 100

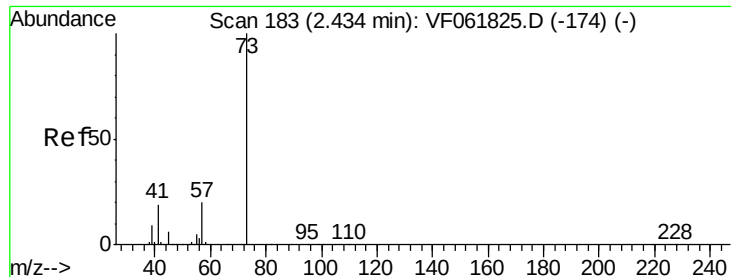
74 15.2 13.2 19.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



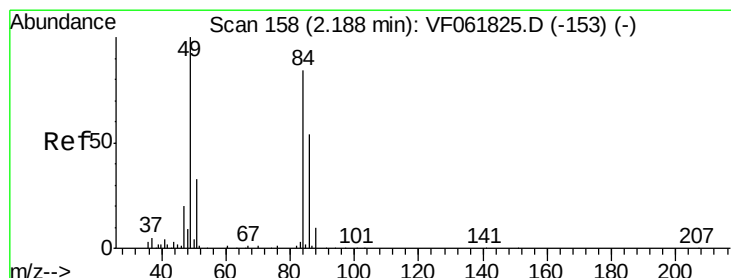
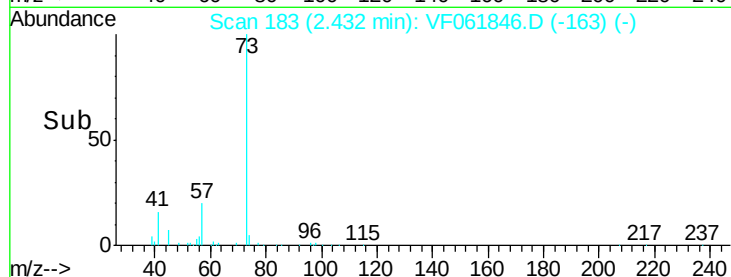
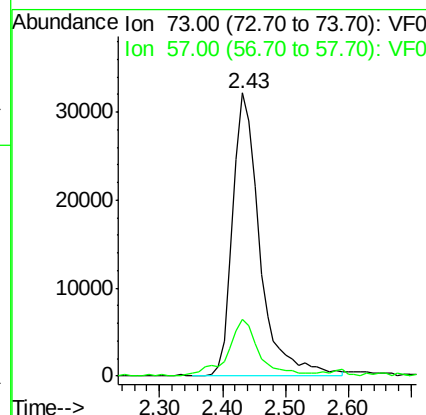
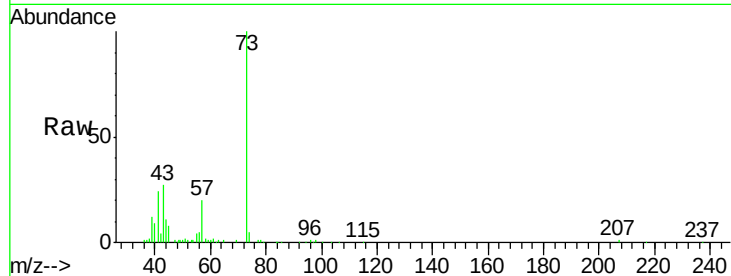


#19

Methyl tert-butyl Ether
 Concen: 21.988 ug/l
 RT: 2.43 min Scan# 183
 Delta R.T. -0.00 min
 Lab File: VF061846.D
 Acq: 5 Mar 2019 15:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0305SBSD01

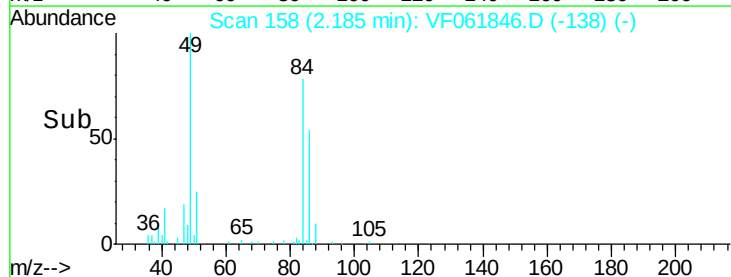
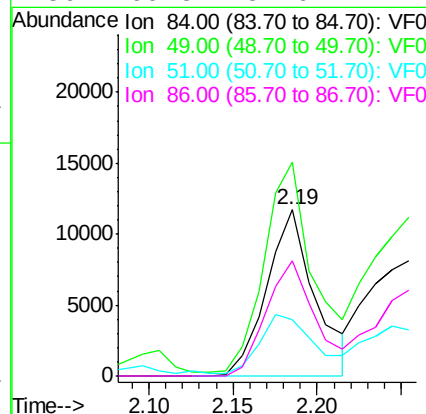
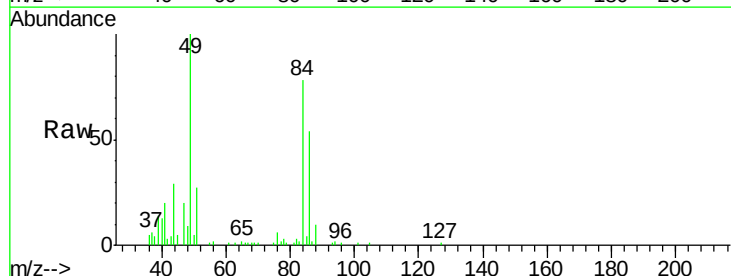
Tot Ion: 73 Resp: 96431
 Ion Ratio Lower Upper
 73 100
 57 20.2 16.1 24.1

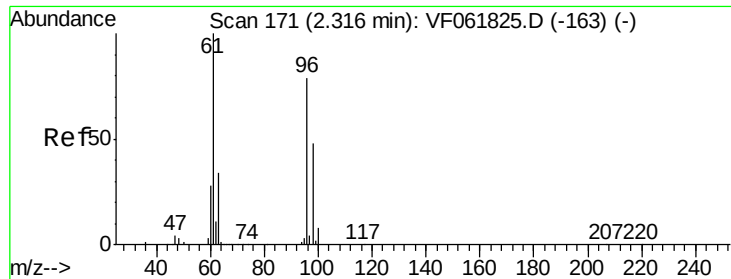


#20

Methylene Chloride
 Concen: 4.250 ug/l
 RT: 2.19 min Scan# 158
 Delta R.T. -0.00 min
 Lab File: VF061846.D
 Acq: 5 Mar 2019 15:40

Tgt Ion: 84 Resp: 23294
 Ion Ratio Lower Upper
 84 100
 49 128.6 96.8 145.2
 51 34.2 31.8 47.6
 86 69.3 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 25.590 ug/l

RT: 2.31 min Scan# 171

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VF0305SBSD01

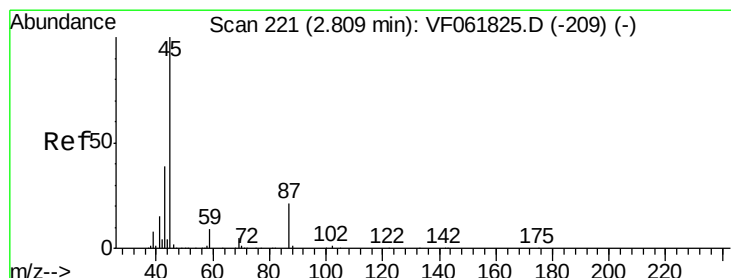
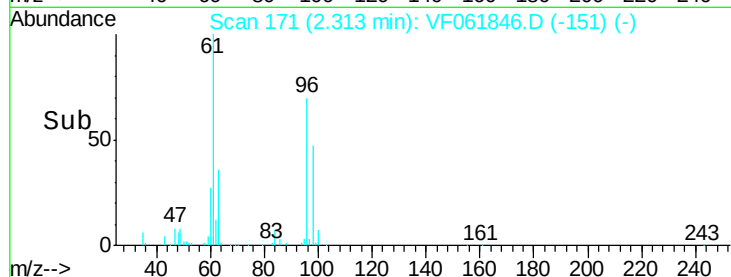
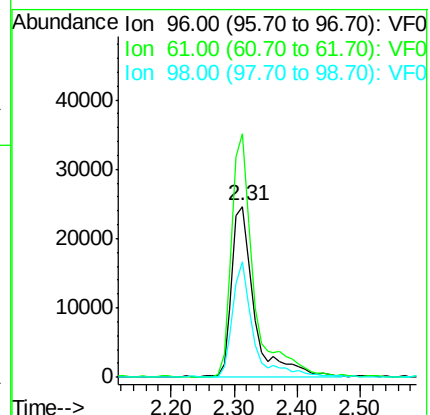
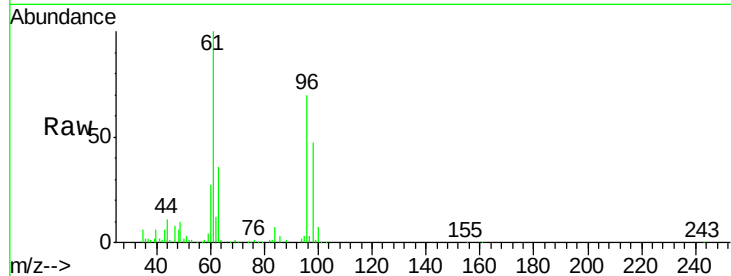
Tot Ion: 96 Resp: 62438

Ion Ratio Lower Upper

96 100

61 142.3 101.0 151.6

98 67.3 48.8 73.2



#22

Diisopropyl ether

Concen: 21.561 ug/l

RT: 2.81 min Scan# 221

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Tgt Ion: 45 Resp: 160183

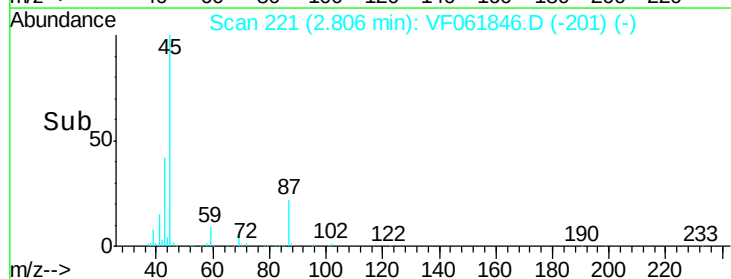
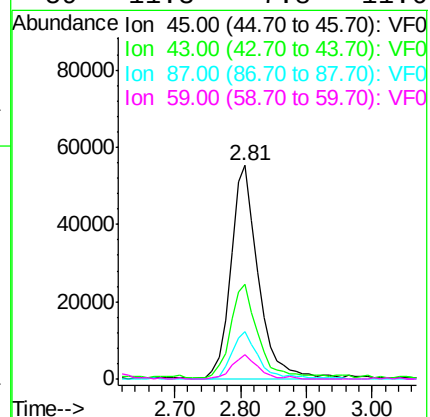
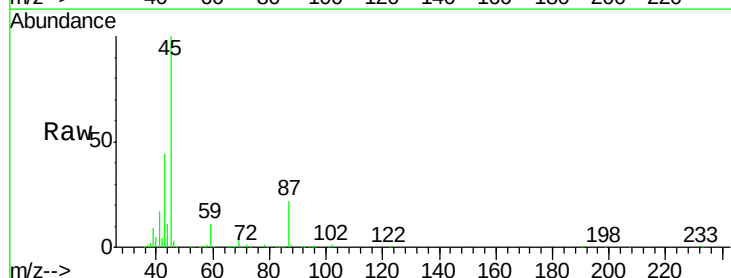
Ion Ratio Lower Upper

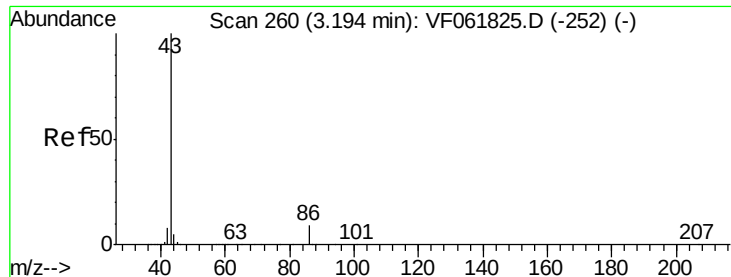
45 100

43 44.2 31.8 47.8

87 21.9 17.1 25.7

59 11.3 7.8 11.6





#23

Vinyl Acetate

Concen: 115.863 ug/l

RT: 3.19 min Scan# 260

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

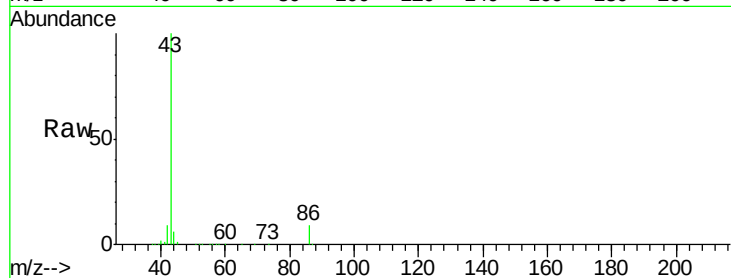
VF0305SBSD01

Tot Ion: 43 Resp: 384546

Ion Ratio Lower Upper

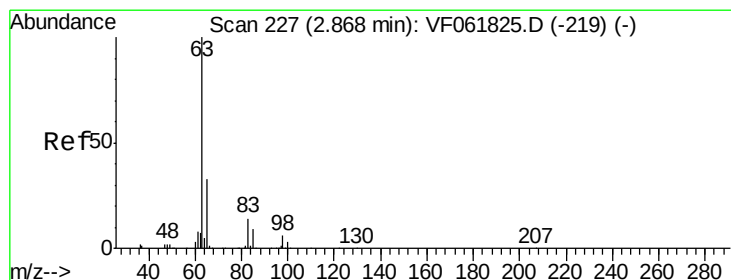
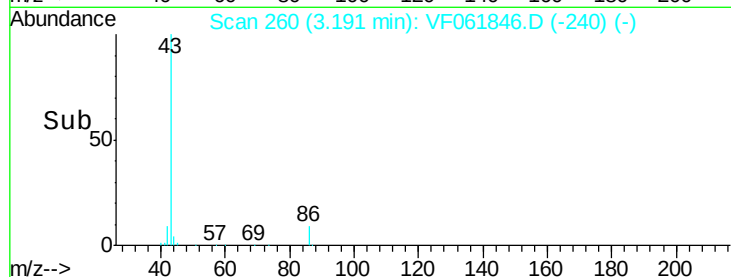
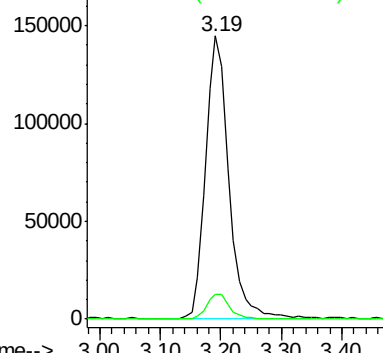
43 100

86 9.0 7.0 10.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 21.885 ug/l

RT: 2.88 min Scan# 228

Delta R.T. 0.01 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

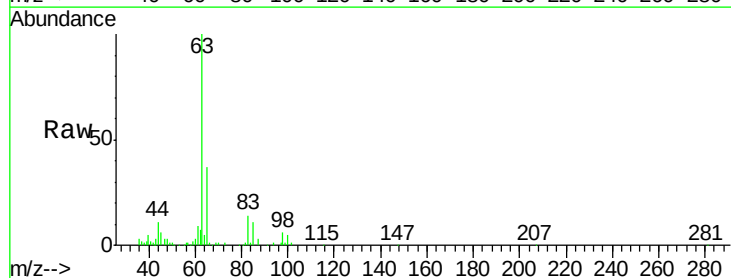
Tgt Ion: 63 Resp: 97185

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.6

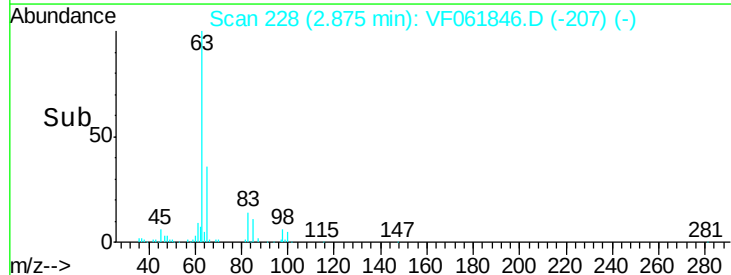
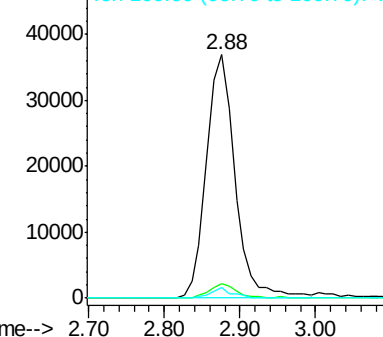
100 4.6 1.8 5.3

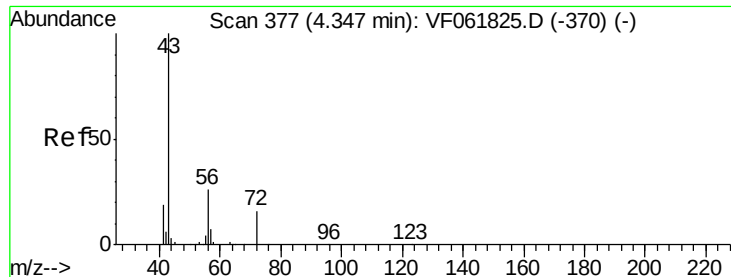


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 111.839 ug/l

RT: 4.34 min Scan# 377

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

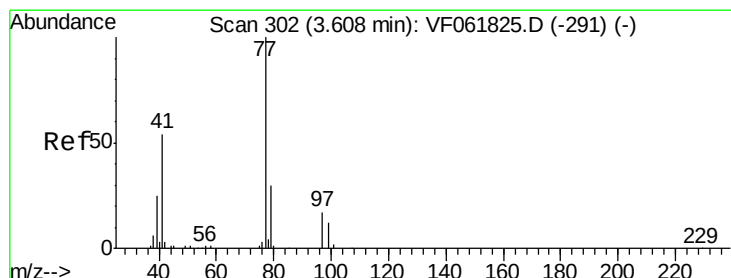
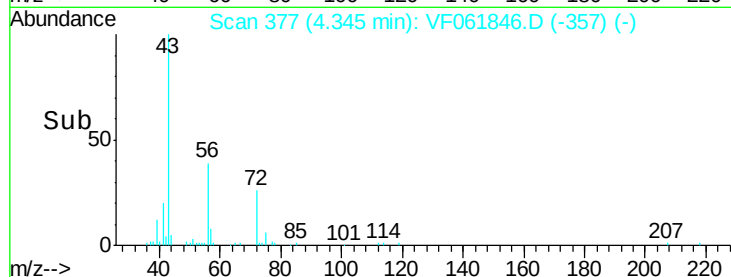
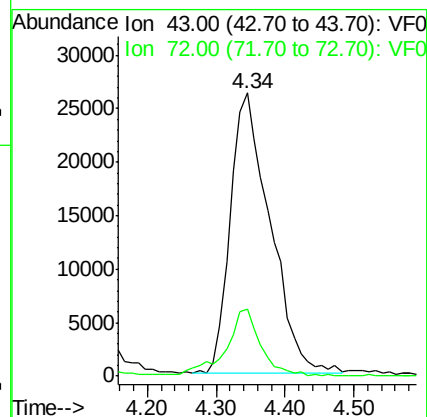
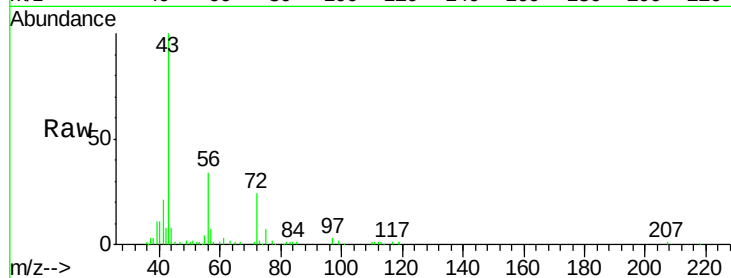
VF0305SBSD01

Tot Ion: 43 Resp: 105195

Ion Ratio Lower Upper

43 100

72 23.5 16.2 24.4



#26

2,2-Dichloropropane

Concen: 23.857 ug/l

RT: 3.61 min Scan# 302

Delta R.T. -0.00 min

Lab File: VF061846.D

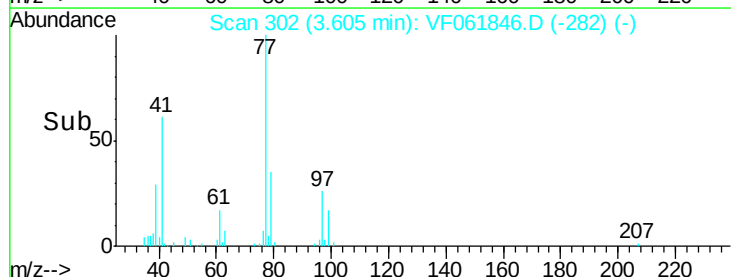
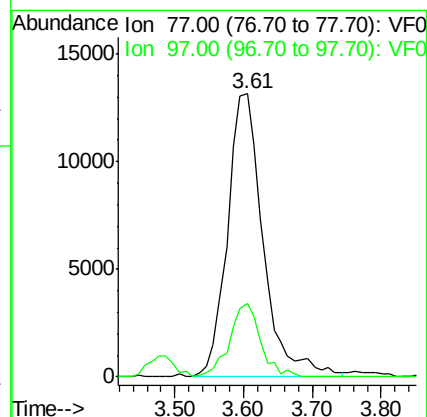
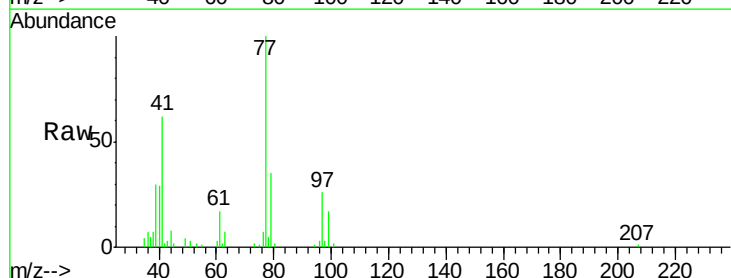
Acq: 5 Mar 2019 15:40

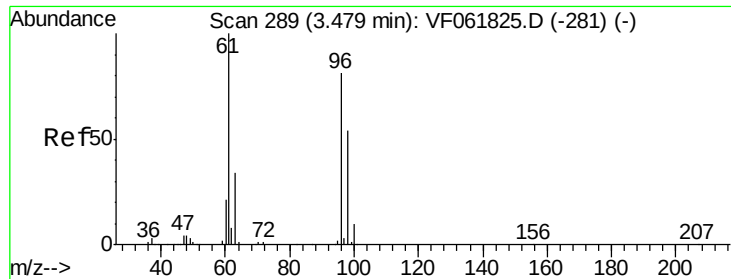
Tgt Ion: 77 Resp: 47293

Ion Ratio Lower Upper

77 100

97 26.0 10.4 31.4



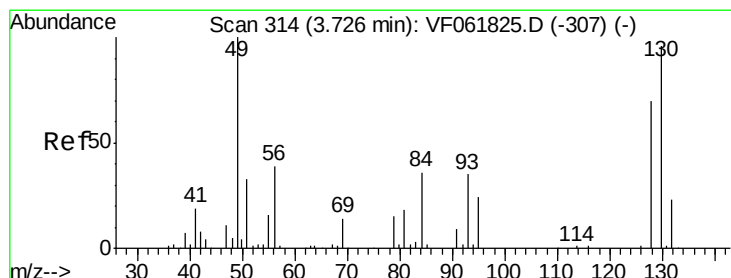
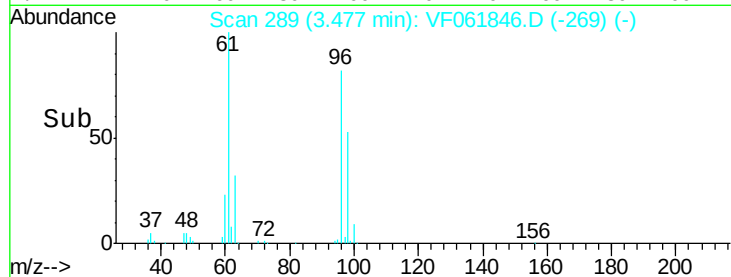
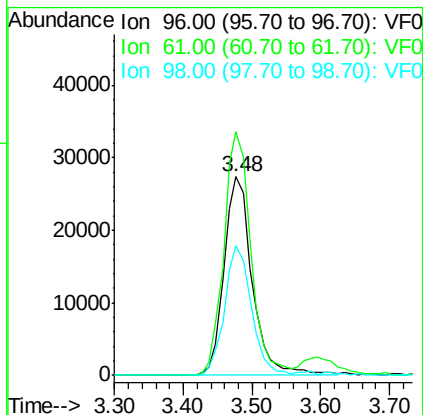
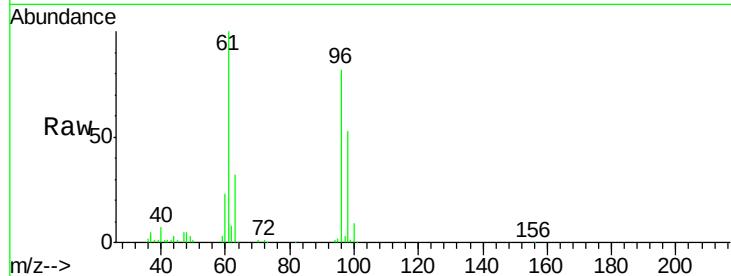


#27

cis-1,2-Dichloroethene
 Concen: 22.982 ug/l
 RT: 3.48 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VF061846.D
 Acq: 5 Mar 2019 15:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0305SBS01

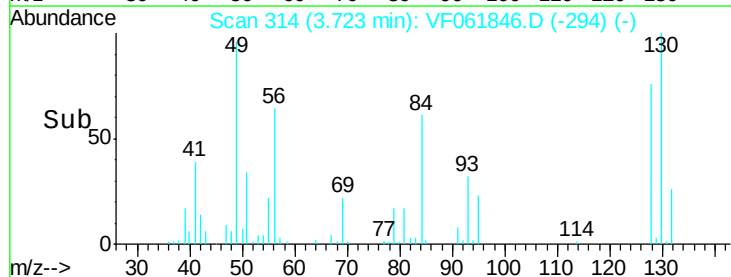
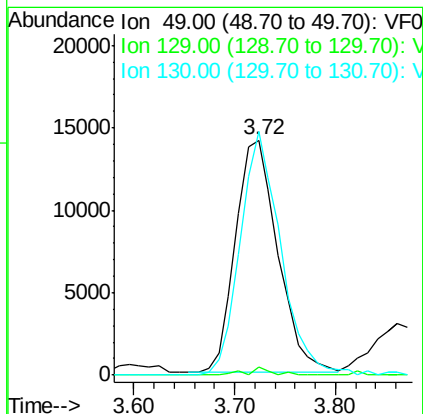
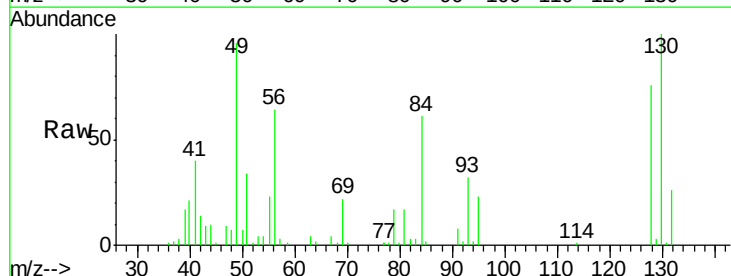
Tot Ion: 96 Resp: 77690
 Ion Ratio Lower Upper
 96 100
 61 122.7 0.0 245.8
 98 65.4 0.0 132.6

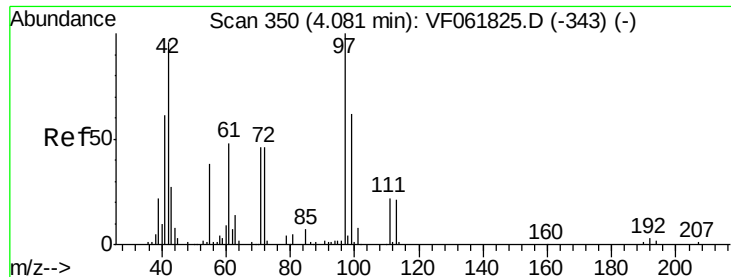


#28

Bromochloromethane
 Concen: 21.261 ug/l
 RT: 3.72 min Scan# 314
 Delta R.T. -0.00 min
 Lab File: VF061846.D
 Acq: 5 Mar 2019 15:40

Tgt Ion: 49 Resp: 41155
 Ion Ratio Lower Upper
 49 100
 129 3.2 0.0 0.0#
 130 103.7 76.9 115.3

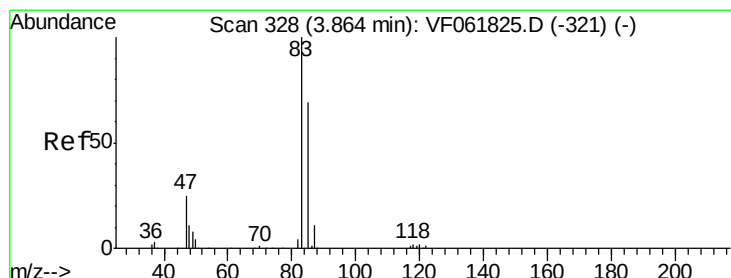
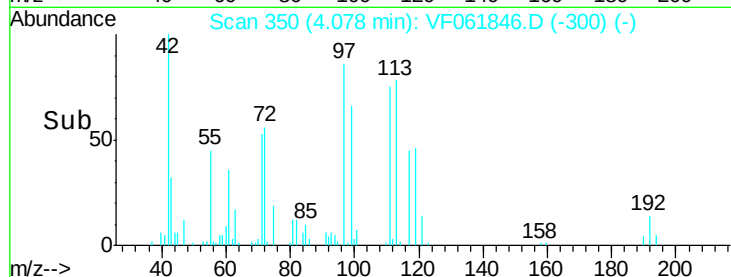
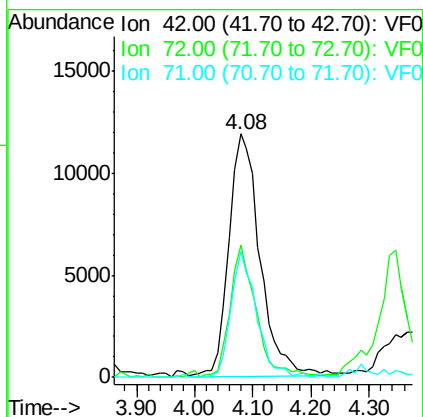
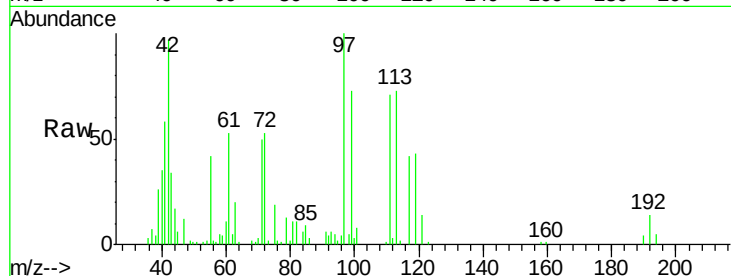




#29
Tetrahydrofuran
Concen: 109.905 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

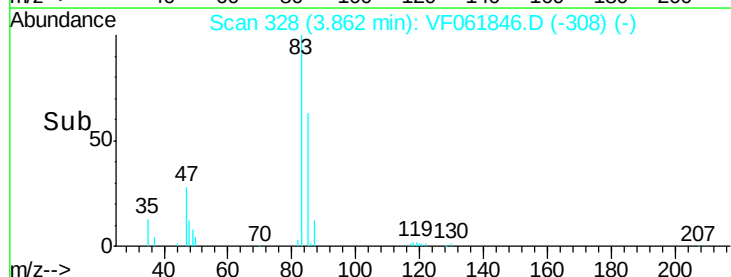
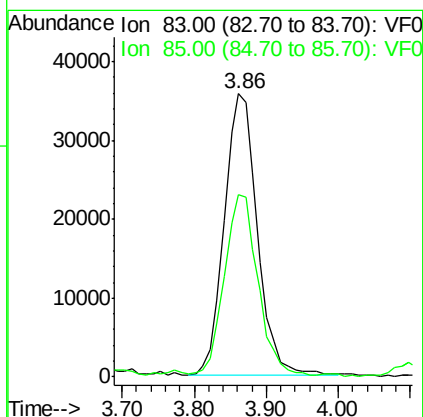
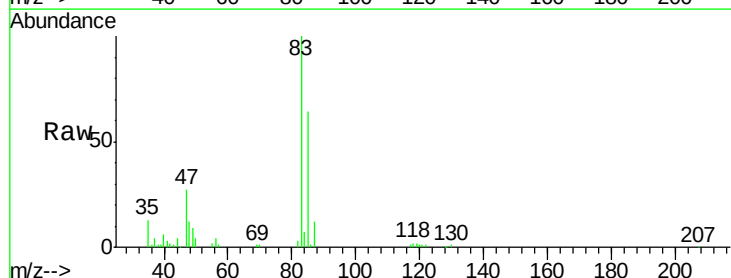
Instrument :
MSVOA_F
ClientSampleId :
VF0305SBSD01

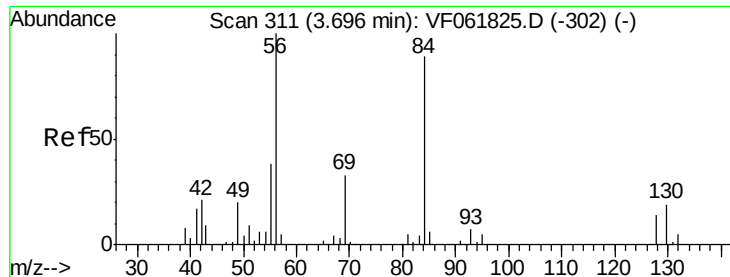
Tot Ion: 42 Resp: 44583
Ion Ratio Lower Upper
42 100
72 45.7 34.4 51.6
71 42.4 34.6 52.0



#30
Chloroform
Concen: 22.406 ug/l
RT: 3.86 min Scan# 328
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Tgt Ion: 83 Resp: 113649
Ion Ratio Lower Upper
83 100
85 64.3 55.3 82.9

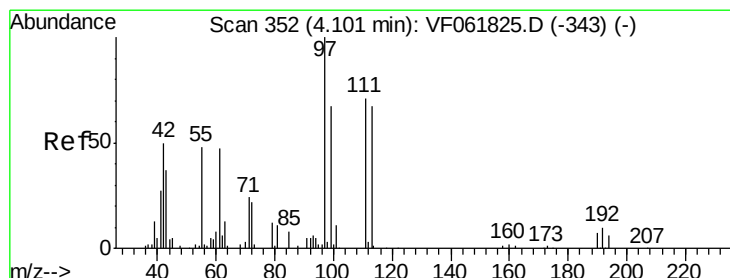
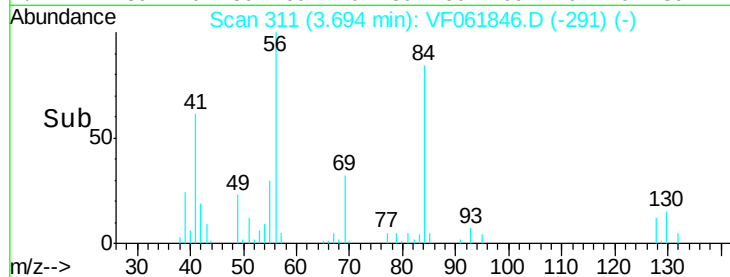
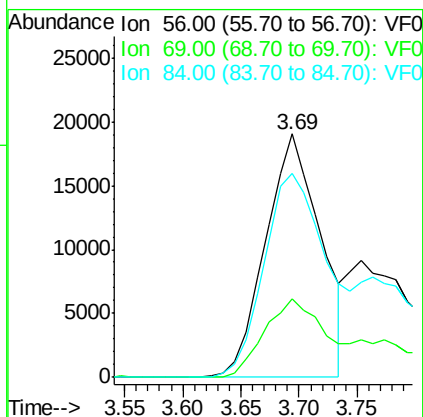
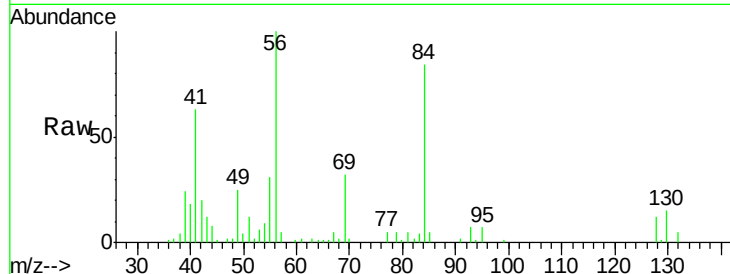




#31
Cyclohexane
Concen: 13.429 ug/l
RT: 3.69 min Scan# 311
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

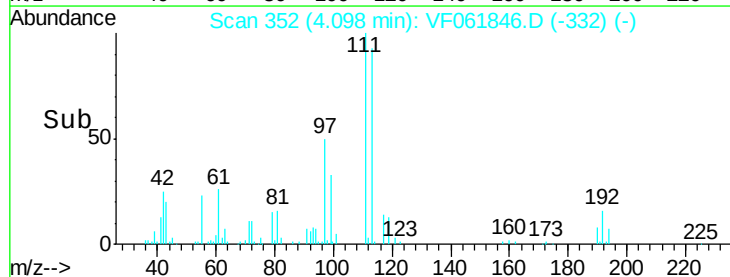
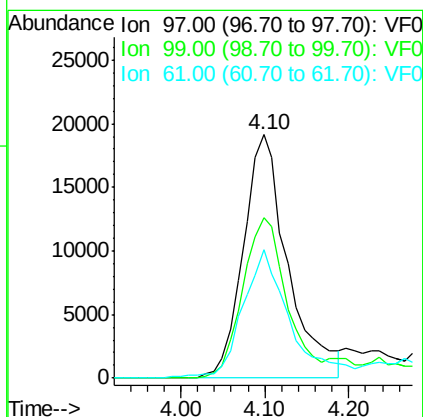
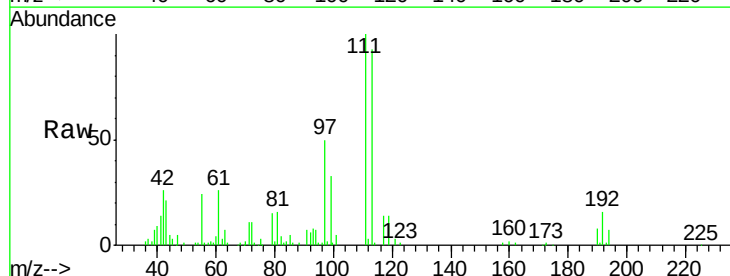
Instrument :
MSVOA_F
ClientSampleId :
VF0305SBSD01

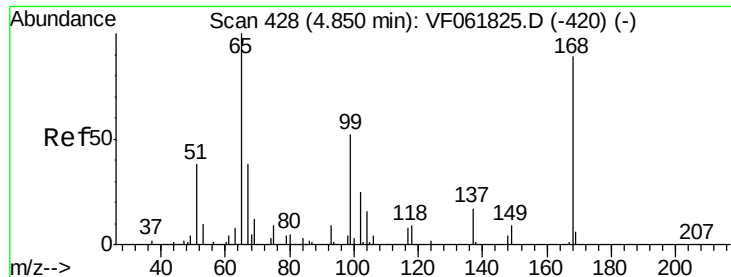
Tot Ion: 56 Resp: 62460
Ion Ratio Lower Upper
56 100
69 32.2 26.0 39.0
84 83.6 71.0 106.6



#32
1,1,1-Trichloroethane
Concen: 22.698 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Tgt Ion: 97 Resp: 70963
Ion Ratio Lower Upper
97 100
99 65.8 53.8 80.8
61 53.0 37.9 56.9

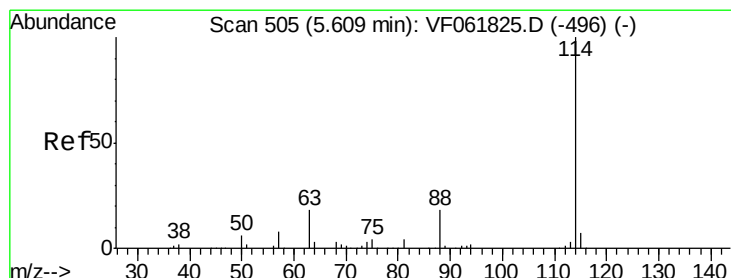
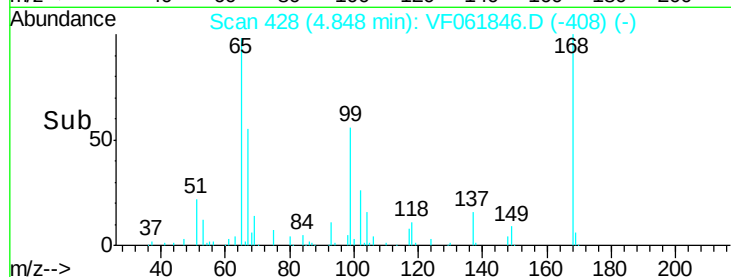
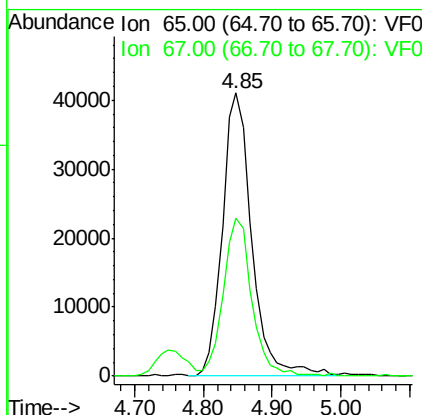
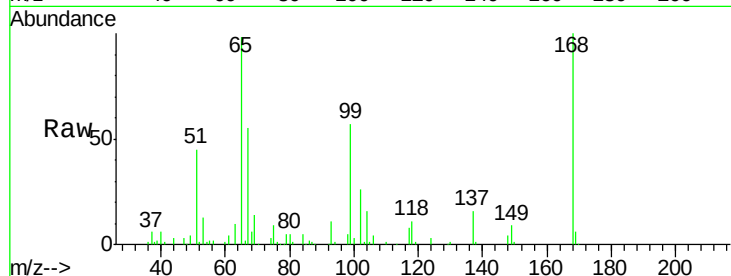




#33
 1,2-Dichloroethane-d4
 Concen: 55.022 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. -0.00 min
 Lab File: VF061846.D
 Acq: 5 Mar 2019 15:40

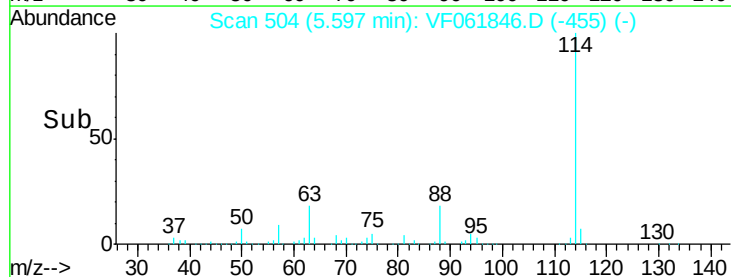
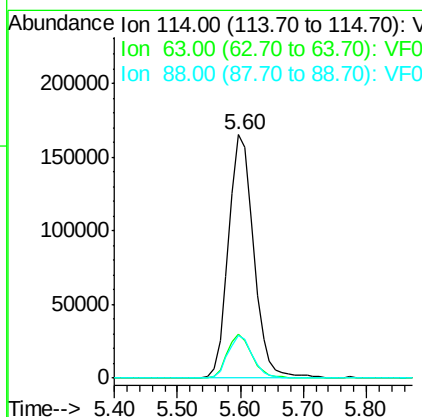
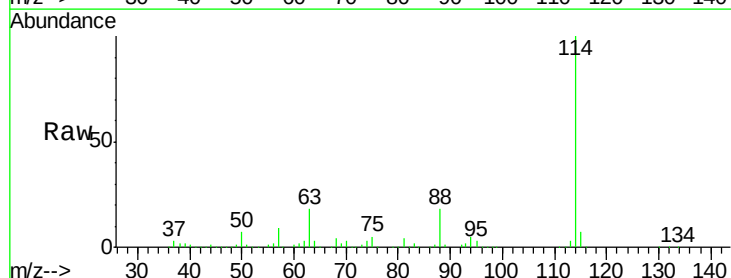
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0305SBS01

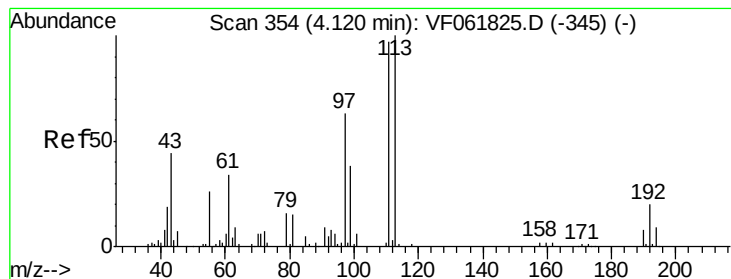
Tot Ion: 65 Resp: 121464
 Ion Ratio Lower Upper
 65 100
 67 55.8 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.01 min
 Lab File: VF061846.D
 Acq: 5 Mar 2019 15:40

Tgt Ion: 114 Resp: 458285
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 35.6
 88 17.8 0.0 35.6





#35

Dibromofluoromethane

Concen: 54.882 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VF0305SBSD01

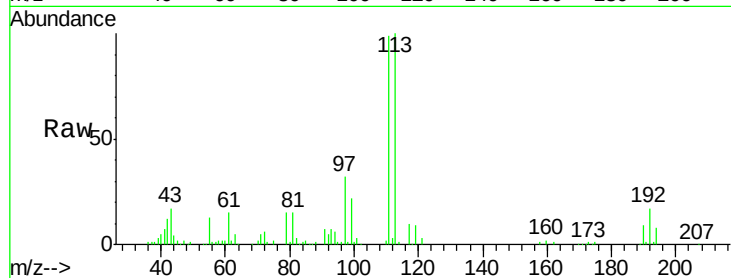
Tot Ion:113 Resp: 175524

Ion Ratio Lower Upper

113 100

111 98.9 77.6 116.4

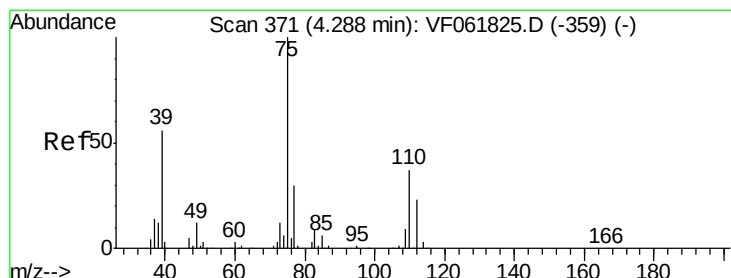
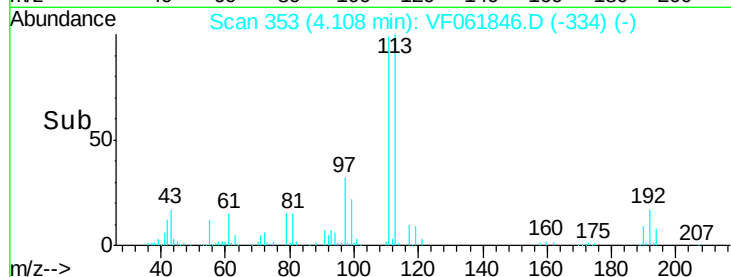
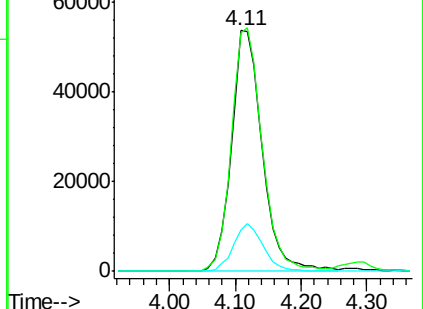
192 17.4 15.9 23.9



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 22.244 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.01 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

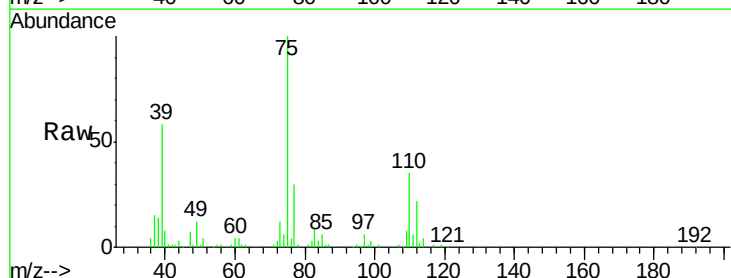
Tgt Ion: 75 Resp: 96294

Ion Ratio Lower Upper

75 100

110 34.6 18.6 55.6

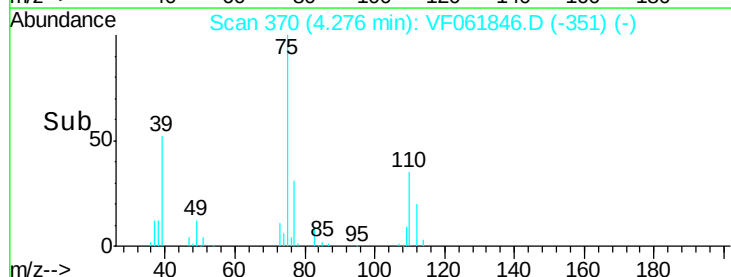
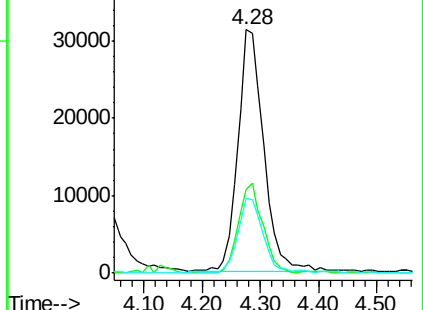
77 30.4 24.2 36.2

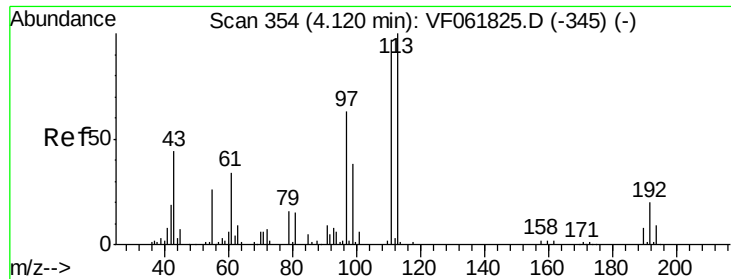


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

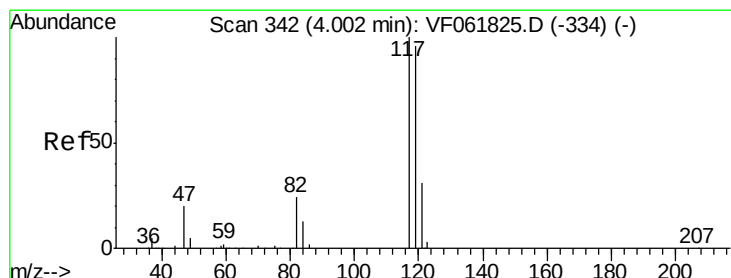
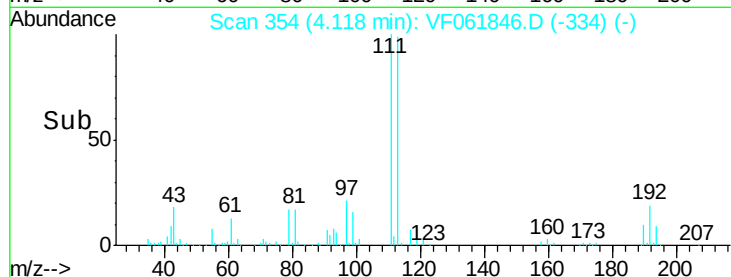
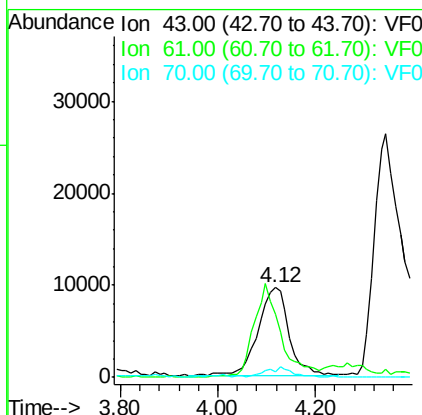
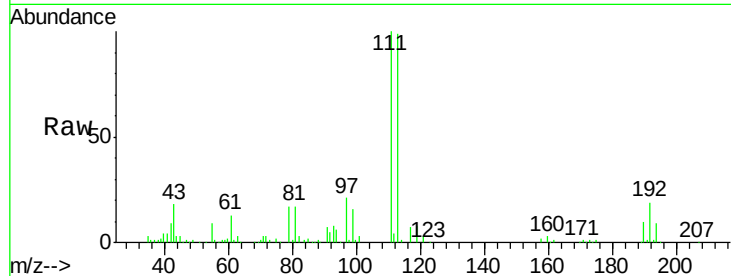




#37
Ethyl Acetate
Concen: 23.754 ug/l
RT: 4.12 min Scan# 354
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

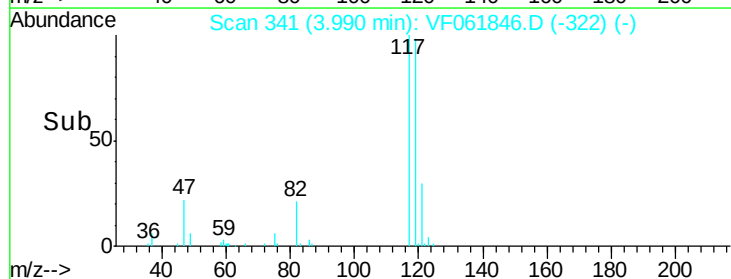
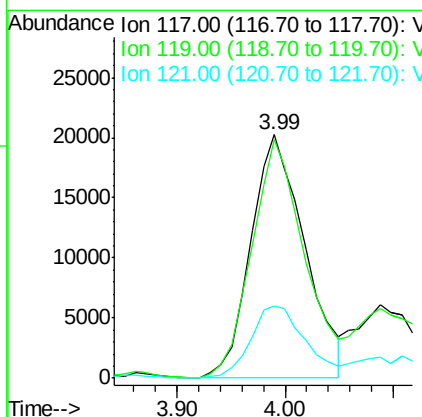
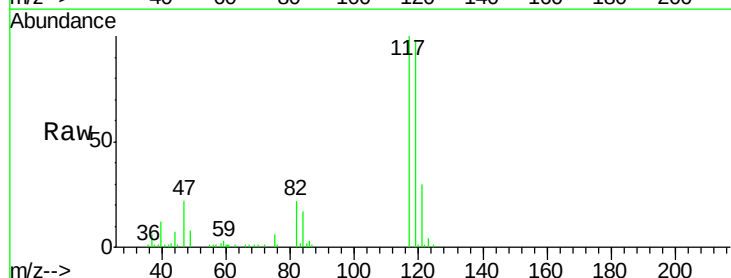
Instrument :
MSVOA_F
ClientSampleId :
VF0305SBSD01

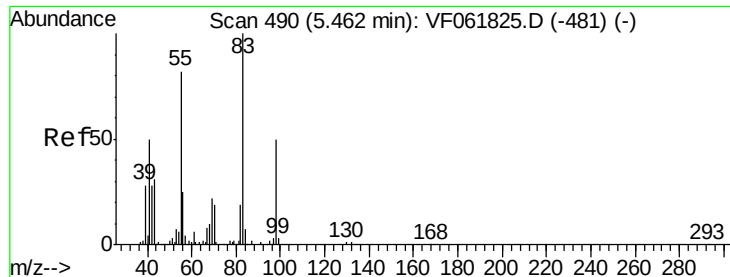
Tot Ion: 43 Resp: 43161
Ion Ratio Lower Upper
43 100
61 70.8 60.7 91.1
70 6.7 10.6 15.8#



#38
Carbon Tetrachloride
Concen: 22.998 ug/l
RT: 3.99 min Scan# 341
Delta R.T. -0.01 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Tgt Ion: 117 Resp: 70476
Ion Ratio Lower Upper
117 100
119 97.8 76.6 114.8
121 30.4 24.4 36.6

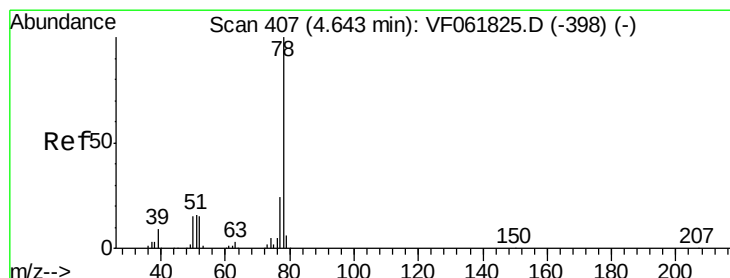
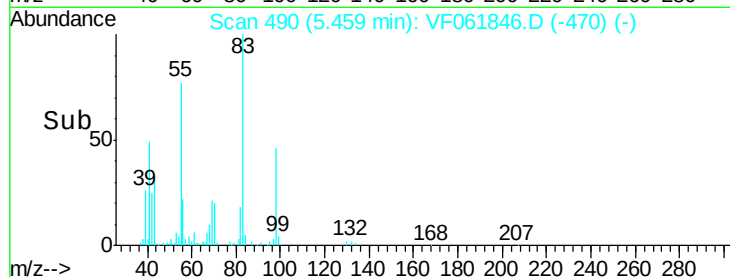
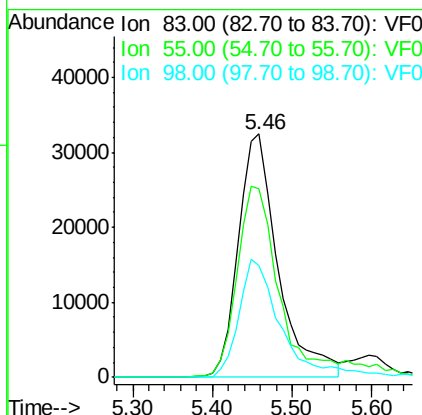
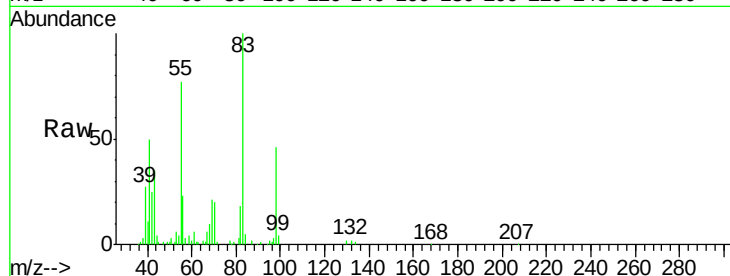




#39
Methylvlcyclohexane
Concen: 21.994 ug/l
RT: 5.46 min Scan# 490
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

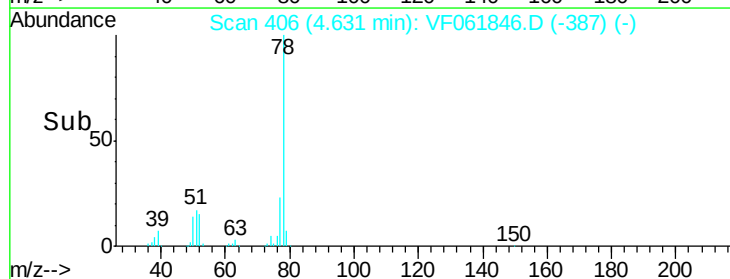
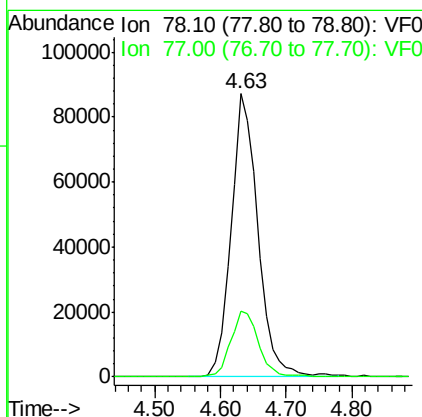
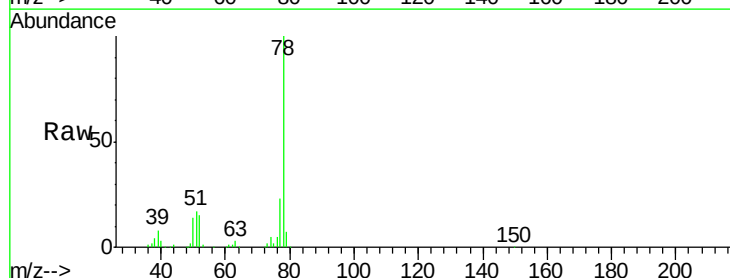
Instrument :
MSVOA_F
ClientSampleId :
VF0305SBS01

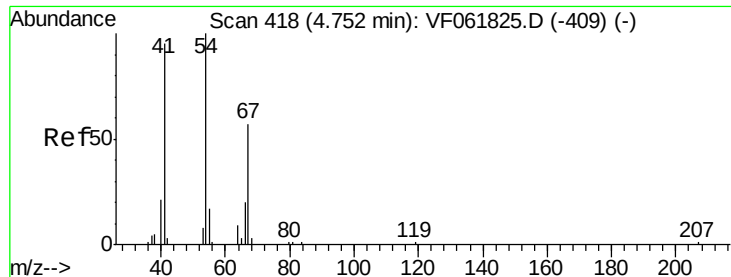
Tot Ion: 83 Resp: 112458
Ion Ratio Lower Upper
83 100
55 77.2 66.0 99.0
98 46.1 39.8 59.6



#40
Benzene
Concen: 21.990 ug/l
RT: 4.63 min Scan# 406
Delta R.T. -0.01 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Tgt Ion: 78 Resp: 248824
Ion Ratio Lower Upper
78 100
77 23.4 19.5 29.3





#41

Methacrylonitrile

Concen: 18.174 ug/l

RT: 4.75 min Scan# 418

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VF0305SBS01

Tot Ion: 41 Resp: 18093

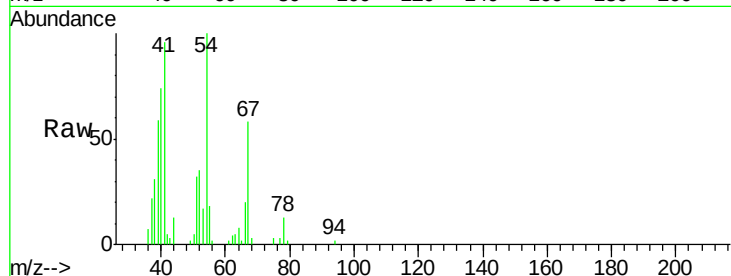
Ion Ratio Lower Upper

41 100

39 61.5 43.0 64.6

67 60.7 47.8 71.8

52 36.6 40.5 60.7#

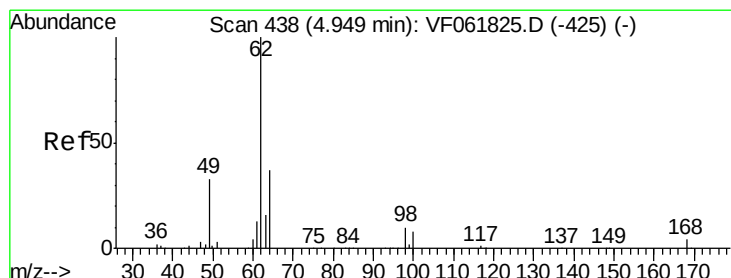
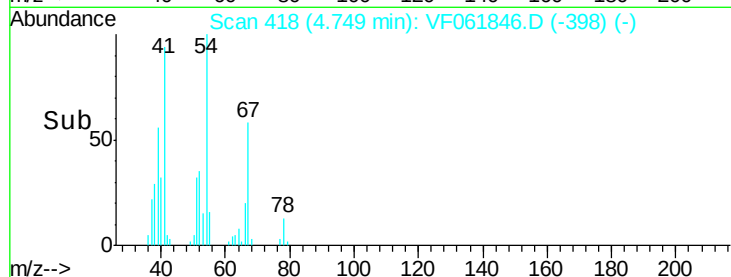
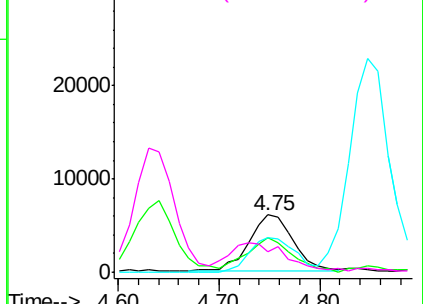


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 21.489 ug/l

RT: 4.95 min Scan# 438

Delta R.T. -0.00 min

Lab File: VF061846.D

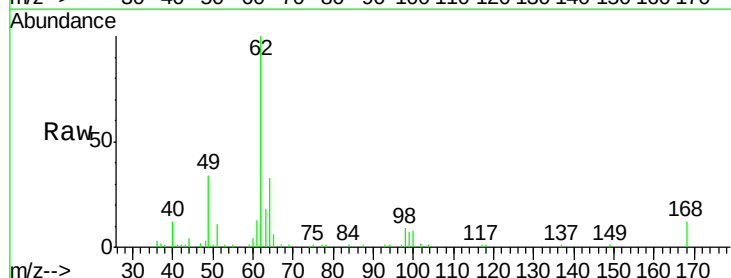
Acq: 5 Mar 2019 15:40

Tgt Ion: 62 Resp: 60599

Ion Ratio Lower Upper

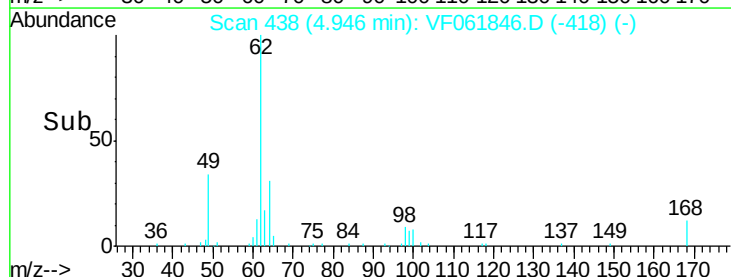
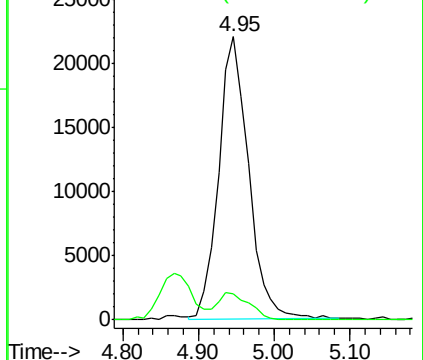
62 100

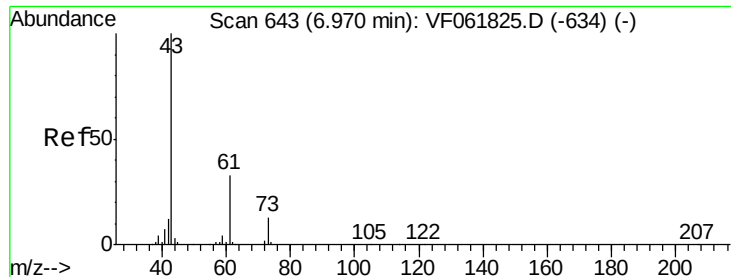
98 9.1 0.0 21.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 19.694 ug/l

RT: 6.97 min Scan# 643

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VF0305SBSD01

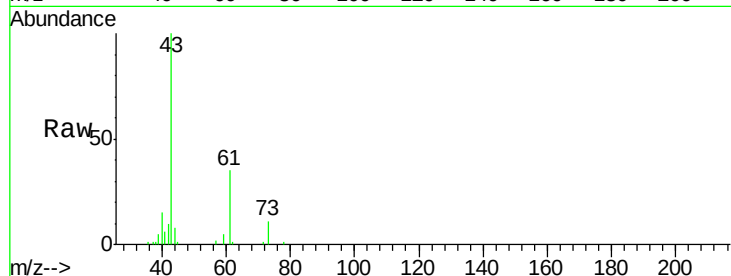
Tot Ion: 43 Resp: 44111

Ion Ratio Lower Upper

43 100

61 34.8 26.1 39.1

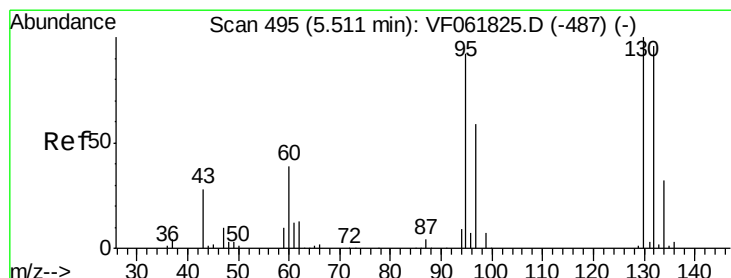
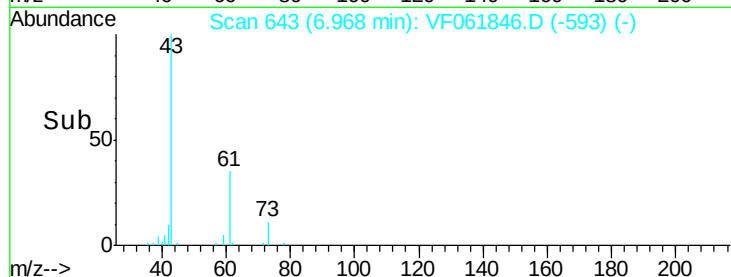
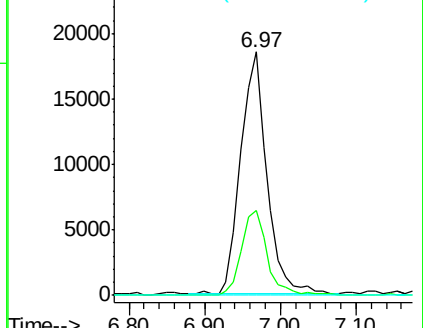
87 0.0 0.0 0.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 22.682 ug/l

RT: 5.51 min Scan# 495

Delta R.T. -0.00 min

Lab File: VF061846.D

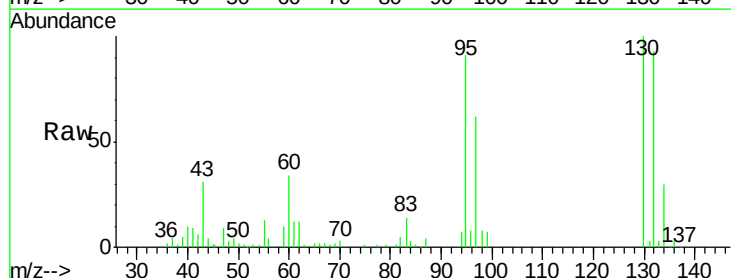
Acq: 5 Mar 2019 15:40

Tgt Ion: 130 Resp: 79760

Ion Ratio Lower Upper

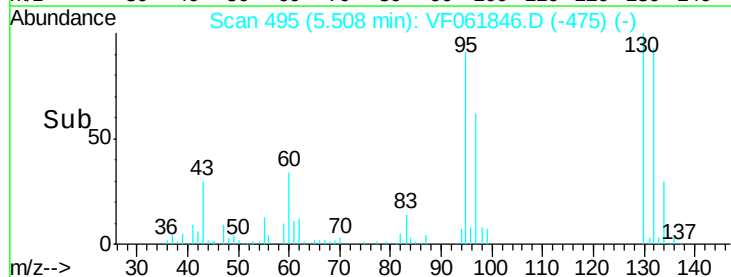
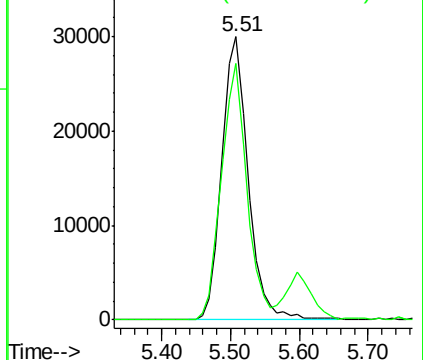
130 100

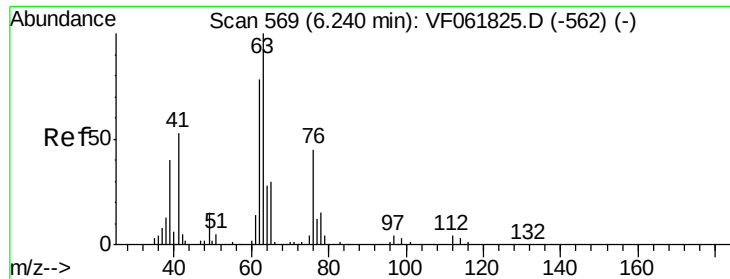
95 90.7 0.0 184.0



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 22.090 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

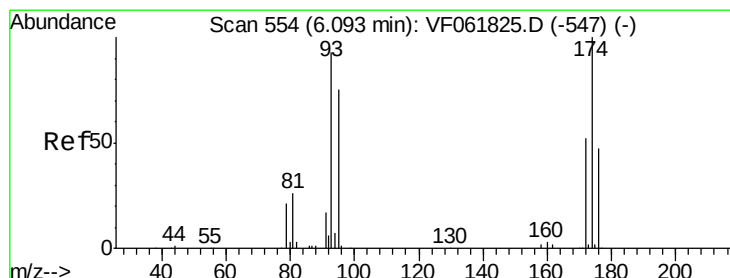
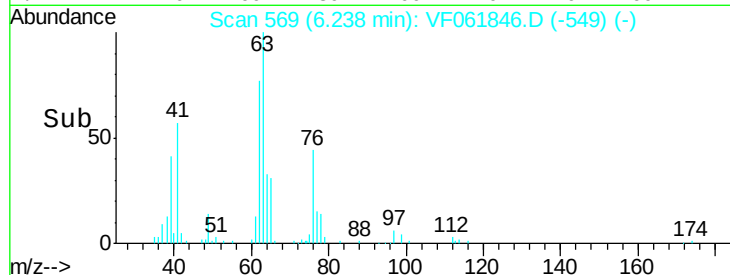
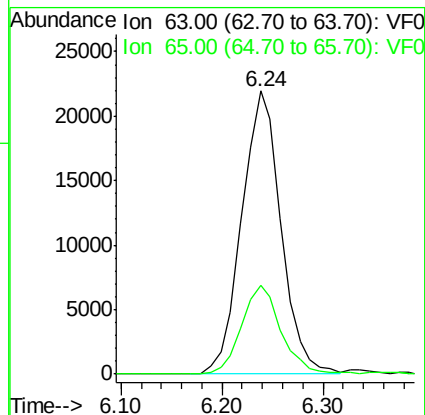
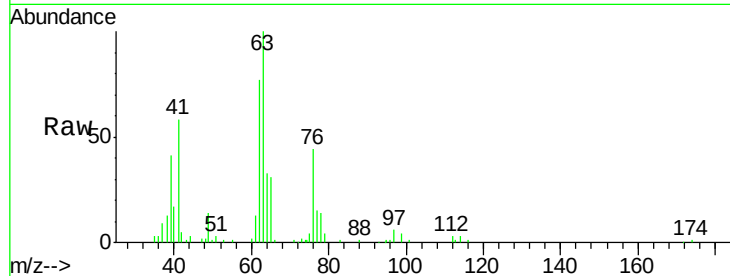
VF0305SBSD01

Tot Ion: 63 Resp: 59438

Ion Ratio Lower Upper

63 100

65 31.2 24.0 36.0



#46

Dibromomethane

Concen: 21.223 ug/l

RT: 6.09 min Scan# 554

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

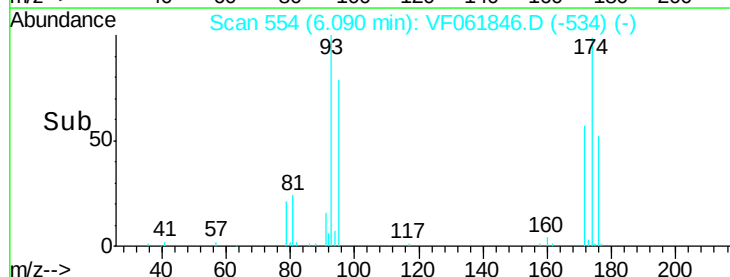
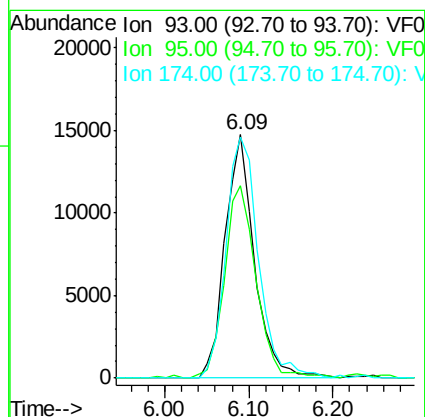
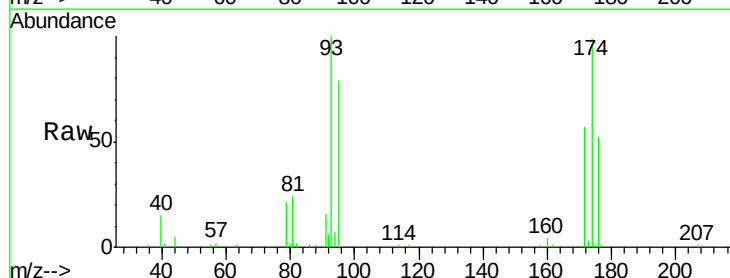
Tgt Ion: 93 Resp: 35940

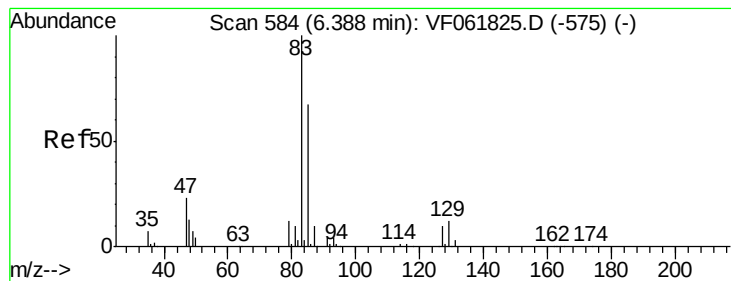
Ion Ratio Lower Upper

93 100

95 78.9 64.4 96.6

174 98.8 85.8 128.6





#47

Bromodichloromethane

Concen: 20.928 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VF0305SBS01

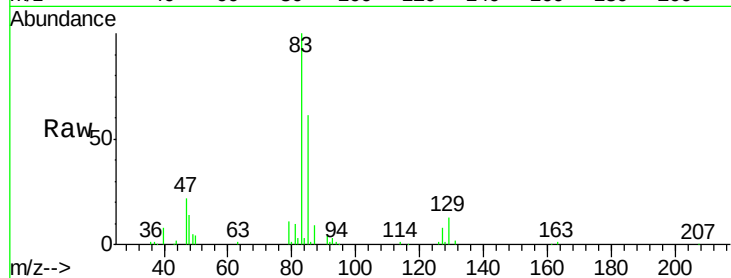
Tot Ion: 83 Resp: 78296

Ion Ratio Lower Upper

83 100

85 61.0 53.6 80.4

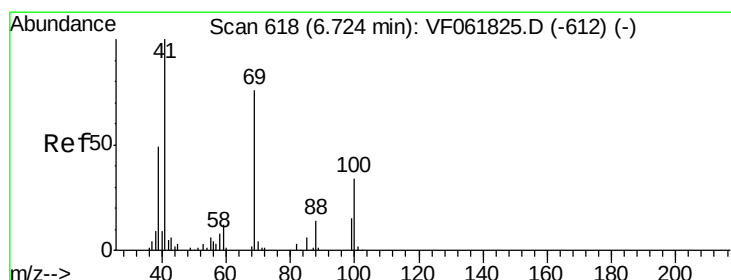
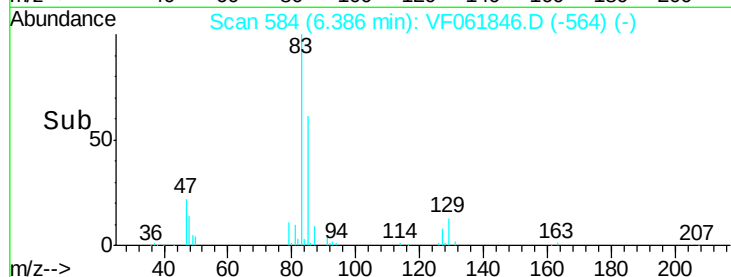
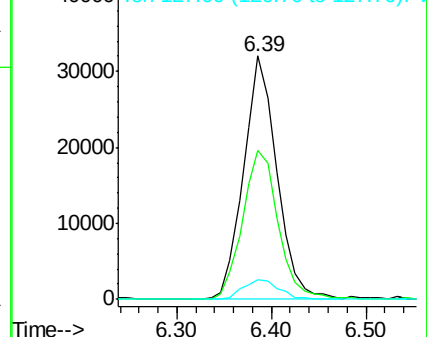
127 8.1 8.1 12.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 21.615 ug/l

RT: 6.72 min Scan# 618

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

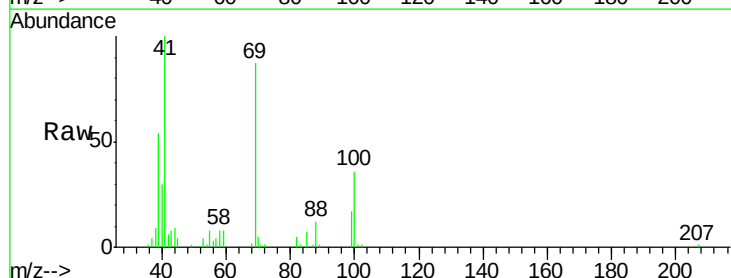
Tgt Ion: 41 Resp: 30640

Ion Ratio Lower Upper

41 100

69 86.8 60.4 90.6

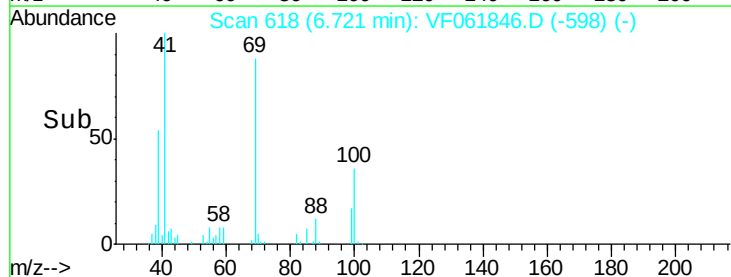
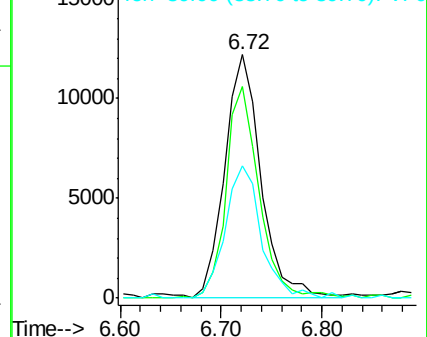
39 54.4 39.7 59.5

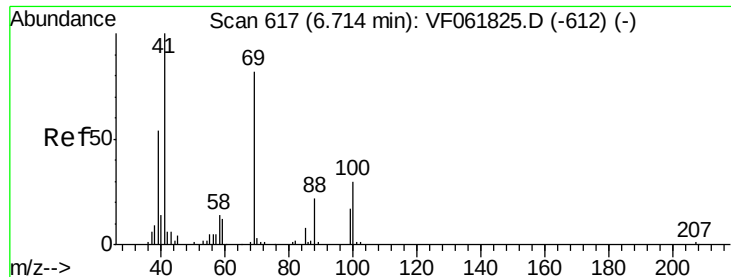


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

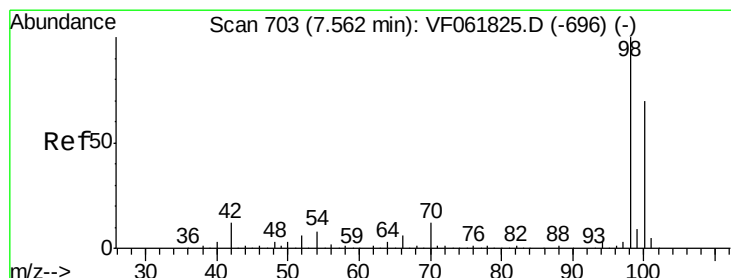
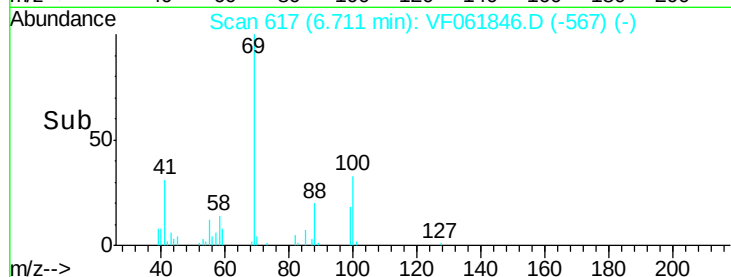
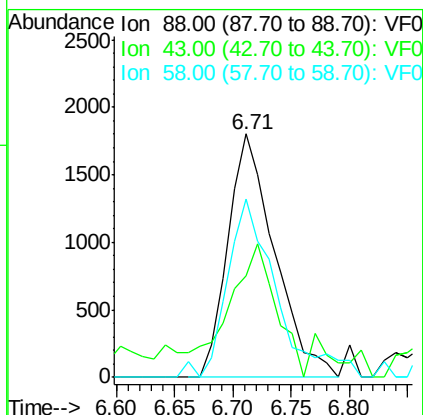
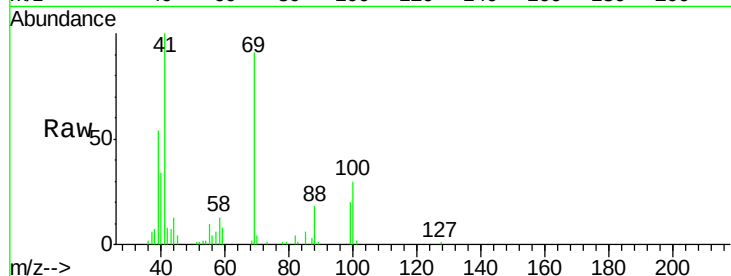




#49
1,4-Dioxane
Concen: 385.472 ug/l
RT: 6.71 min Scan# 617
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

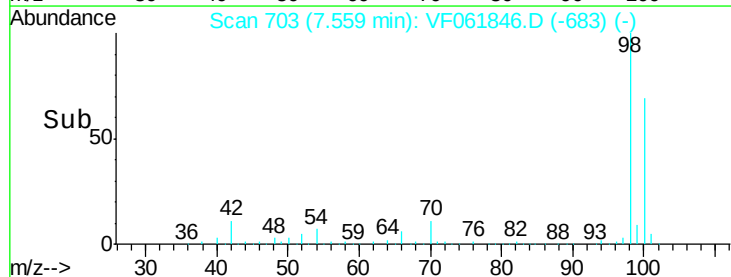
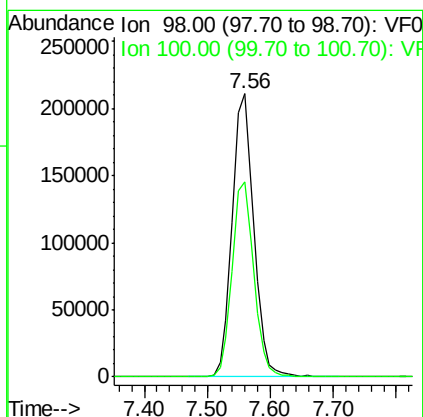
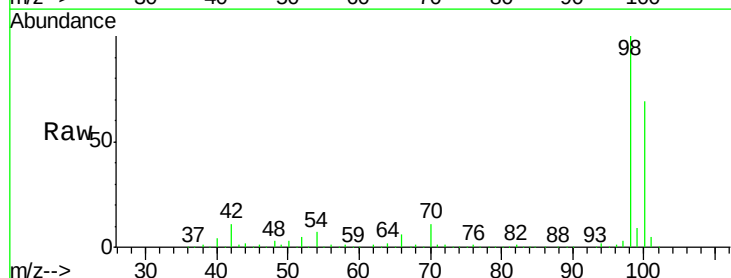
Instrument :
MSVOA_F
ClientSampleId :
VF0305SBSD01

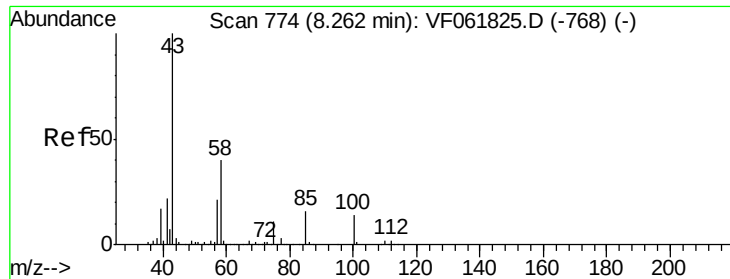
Tot Ion: 88 Resp: 4995
Ion Ratio Lower Upper
88 100
43 41.6 28.4 42.6
58 73.4 50.7 76.1



#50
Toluene-d8
Concen: 52.590 ug/l
RT: 7.56 min Scan# 703
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Tgt Ion: 98 Resp: 499930
Ion Ratio Lower Upper
98 100
100 68.9 56.0 84.0





#51

4-Methyl-2-Pentanone

Concen: 100.529 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

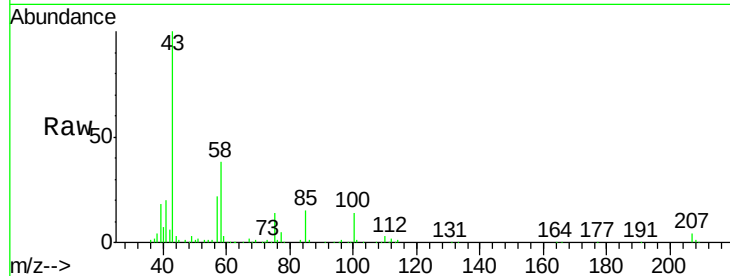
VF0305SBSD01

Tot Ion: 43 Resp: 155620

Ion Ratio Lower Upper

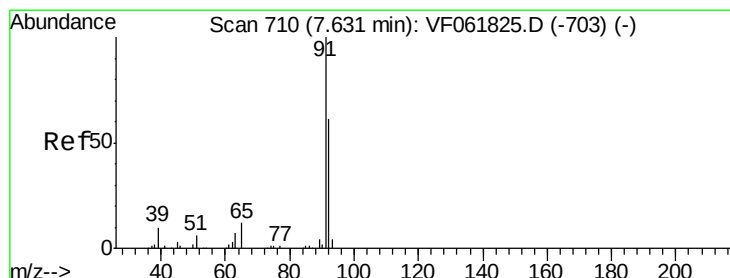
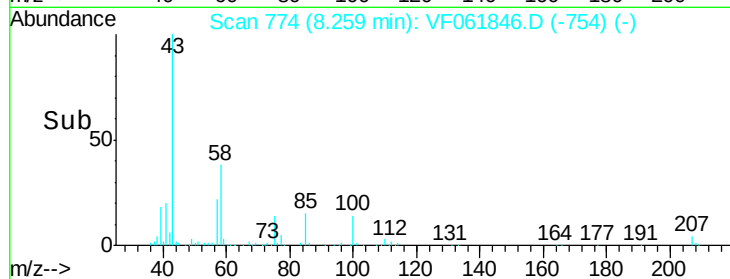
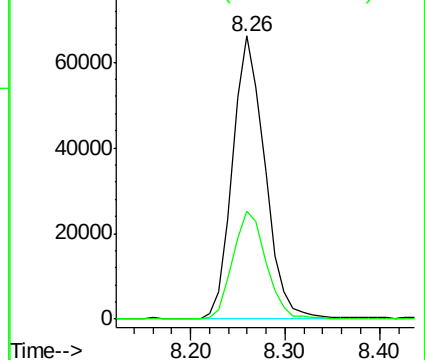
43 100

58 38.3 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 22.075 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.00 min

Lab File: VF061846.D

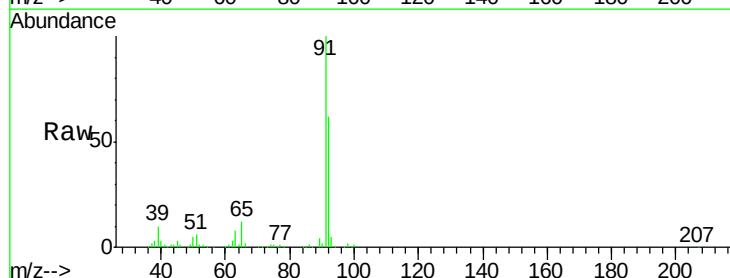
Acq: 5 Mar 2019 15:40

Tgt Ion: 92 Resp: 147770

Ion Ratio Lower Upper

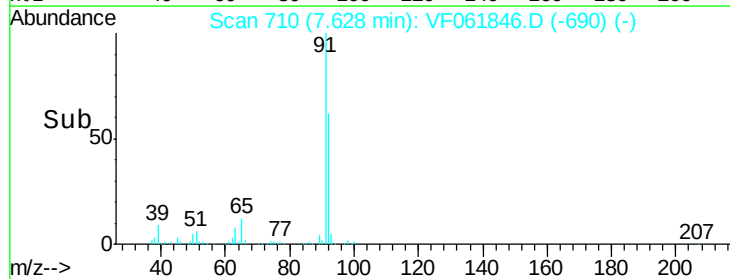
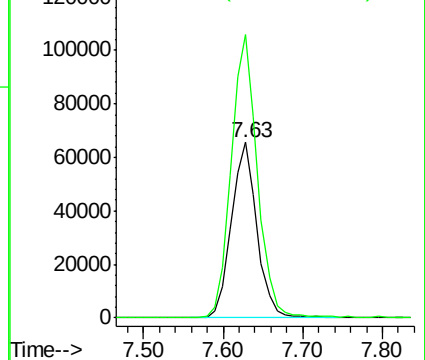
92 100

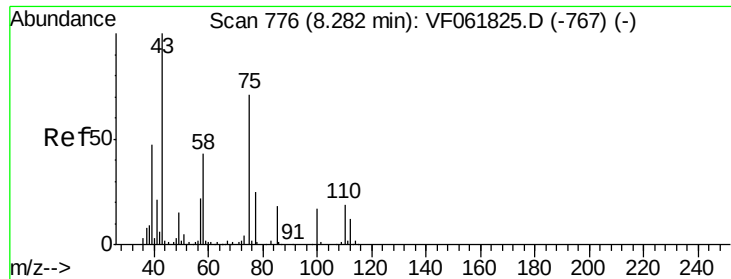
91 161.4 132.0 198.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

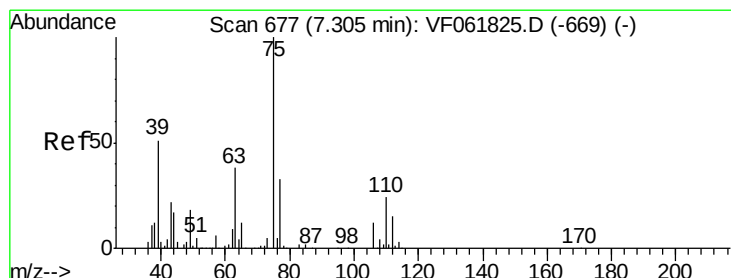
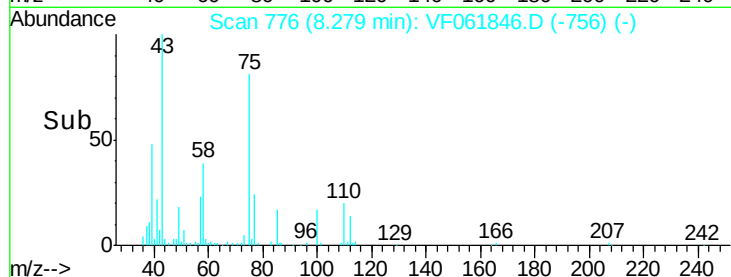
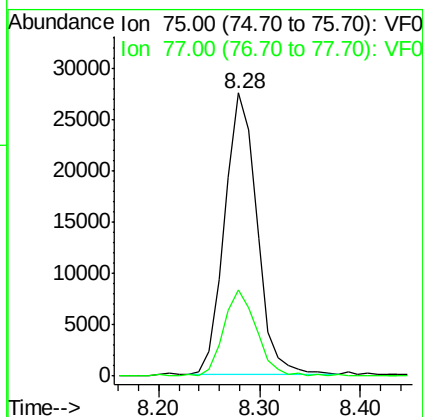
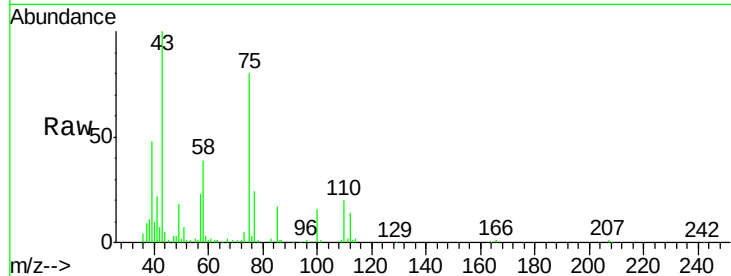




#53
t-1,3-Dichloropropene
Concen: 19.797 ug/l
RT: 8.28 min Scan# 776
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

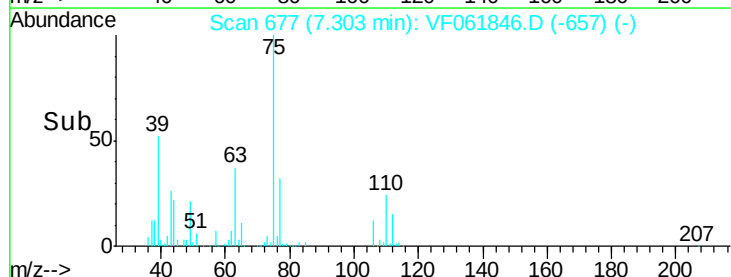
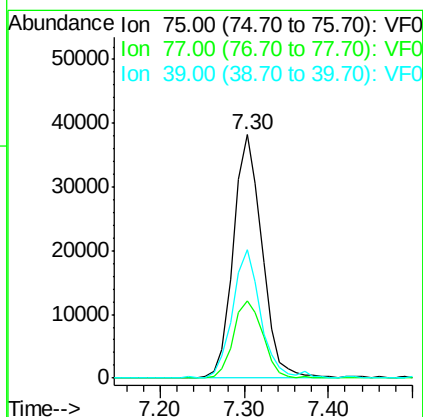
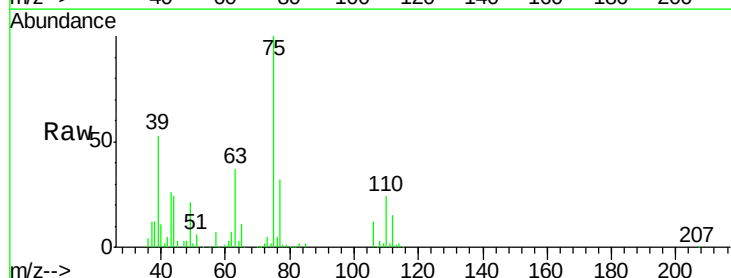
Instrument :
MSVOA_F
ClientSampleId :
VF0305SBSD01

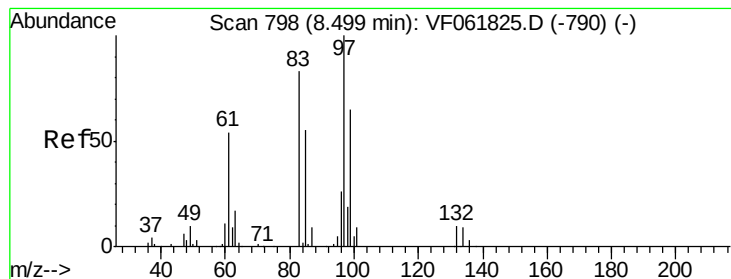
Tot Ion: 75 Resp: 61138
Ion Ratio Lower Upper
75 100
77 30.3 28.0 42.0



#54
cis-1,3-Dichloropropene
Concen: 21.327 ug/l
RT: 7.30 min Scan# 677
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Tgt Ion: 75 Resp: 90847
Ion Ratio Lower Upper
75 100
77 31.6 26.3 39.5
39 52.5 40.8 61.2





#55

1,1,2-Trichloroethane

Concen: 21.198 ug/l

RT: 8.50 min Scan# 798

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VF0305SBSD01

Tot Ion: 97 Resp: 40885

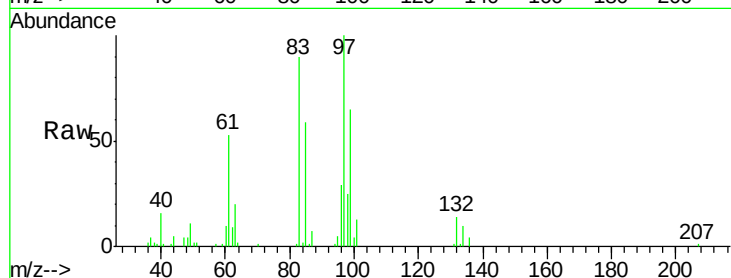
Ion Ratio Lower Upper

97 100

83 90.2 66.5 99.7

85 58.6 44.2 66.2

99 65.5 51.8 77.6



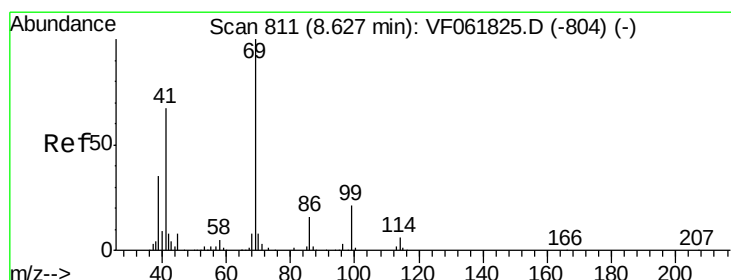
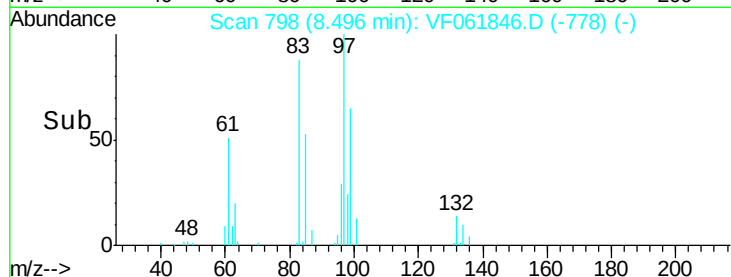
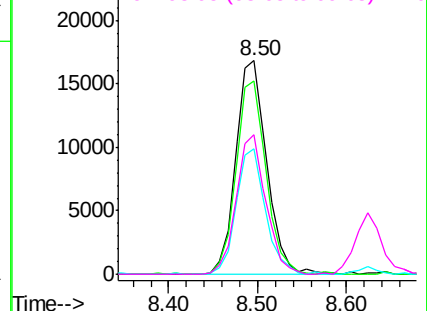
Abundance

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: 20.468 ug/l

RT: 8.62 min Scan# 811

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

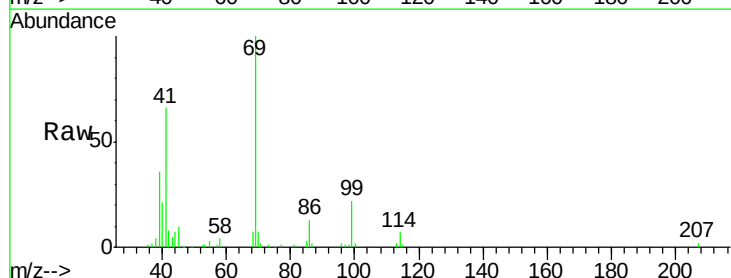
Tgt Ion: 69 Resp: 44491

Ion Ratio Lower Upper

69 100

41 65.6 53.9 80.9

39 35.7 28.3 42.5

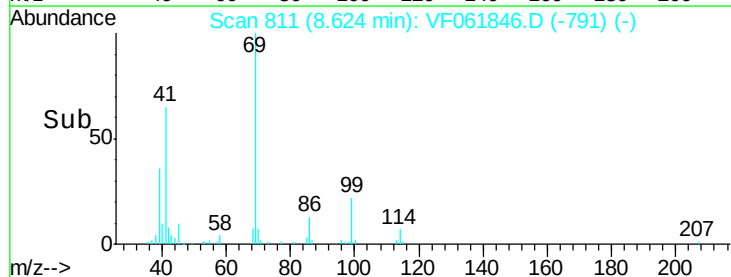
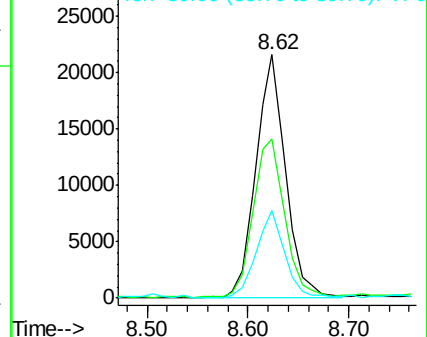


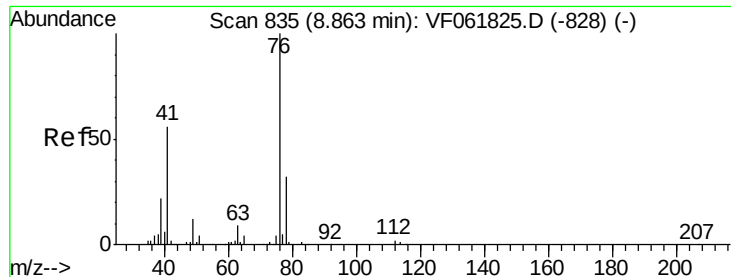
Abundance

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

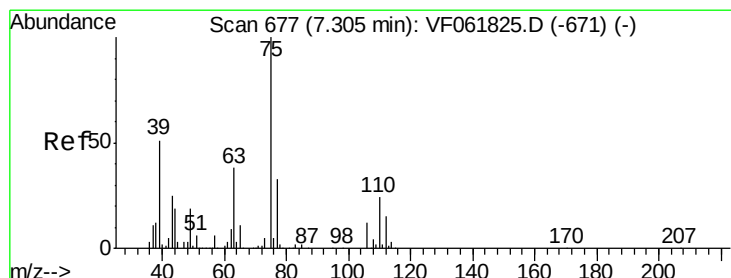
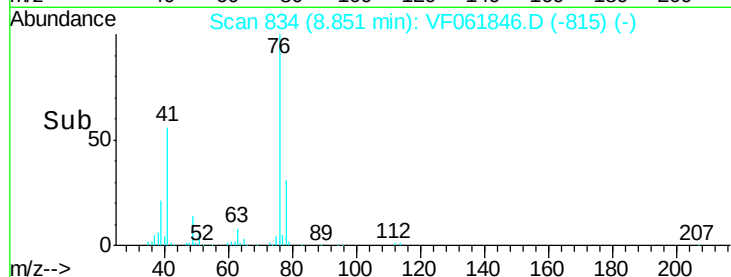
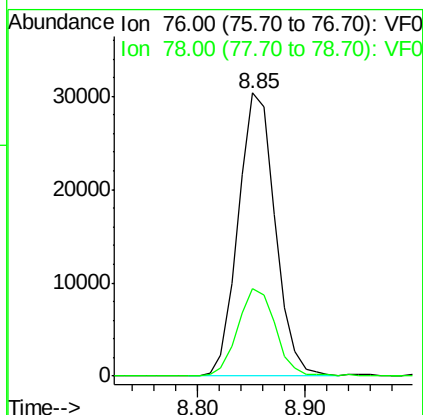
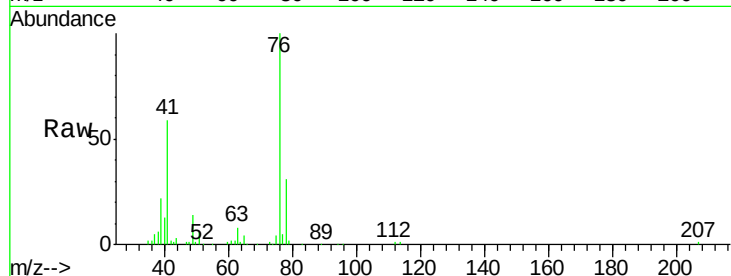




#57
 1,3-Dichloropropane
 Concen: 22.913 ug/l
 RT: 8.85 min Scan# 834
 Delta R.T. -0.01 min
 Lab File: VF061846.D
 Acq: 5 Mar 2019 15:40

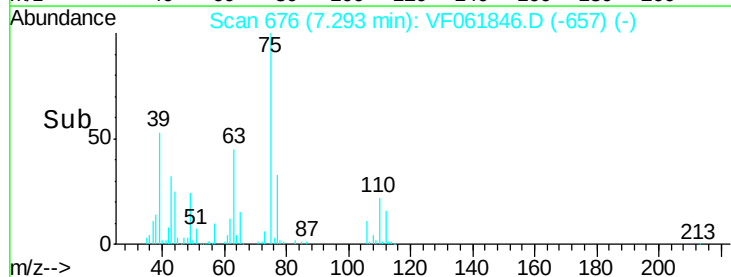
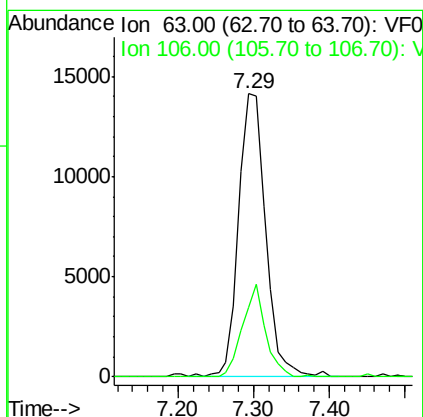
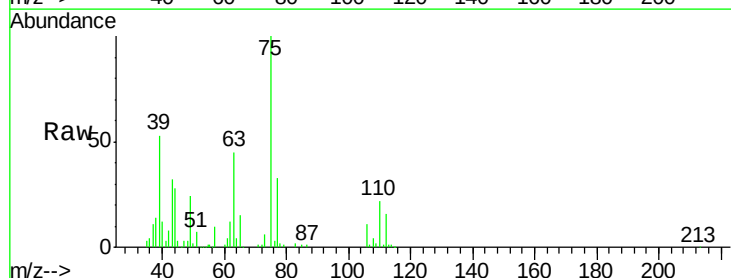
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0305SBSD01

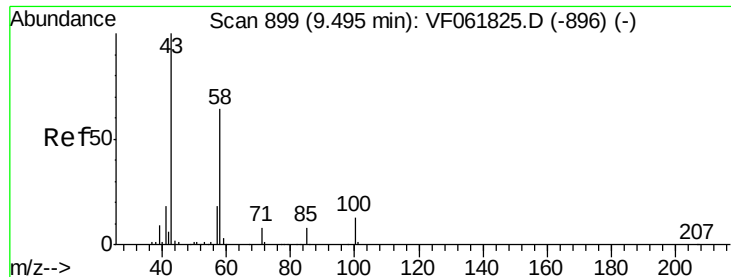
Tot Ion: 76 Resp: 72273
 Ion Ratio Lower Upper
 76 100
 78 30.9 25.4 38.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.887 ug/l
 RT: 7.29 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: VF061846.D
 Acq: 5 Mar 2019 15:40

Tgt Ion: 63 Resp: 35034
 Ion Ratio Lower Upper
 63 100
 106 24.7 24.3 36.5

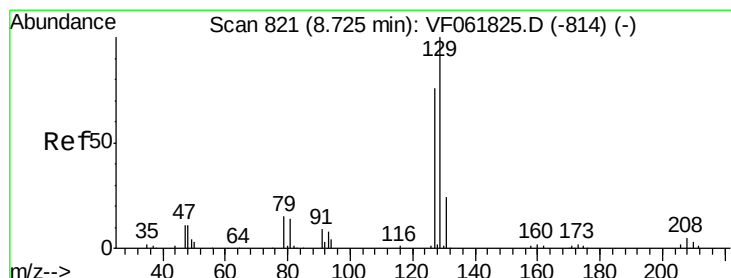
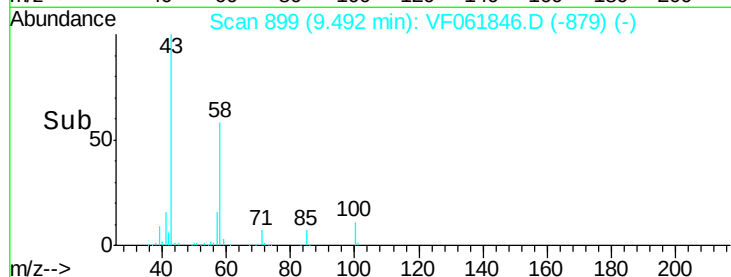
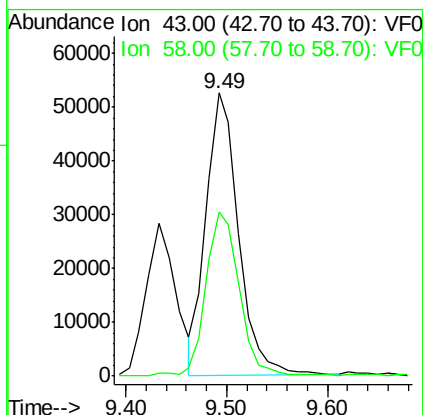
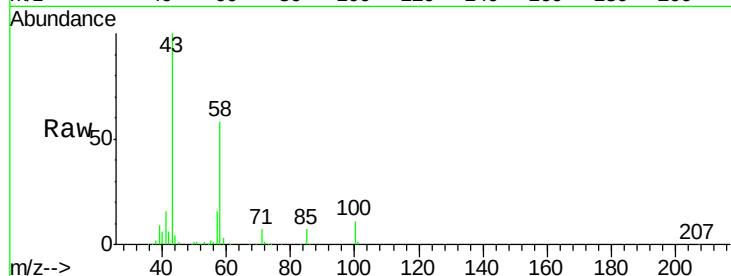




#59
2-Hexanone
Concen: 105.461 ug/l
RT: 9.49 min Scan# 899
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

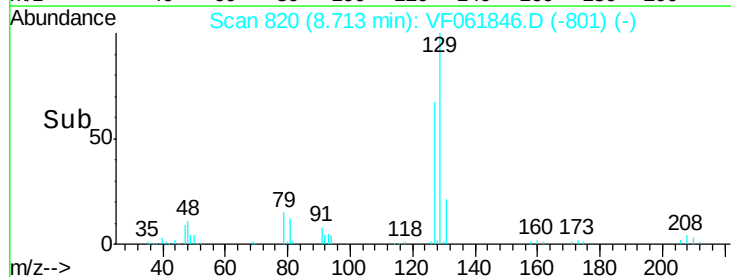
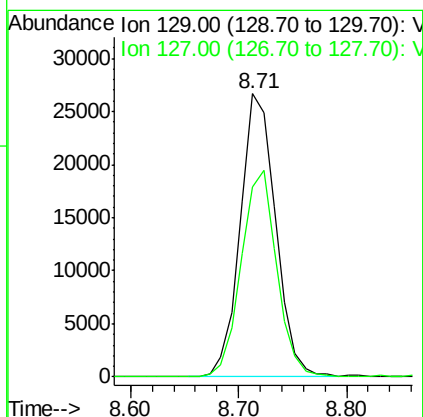
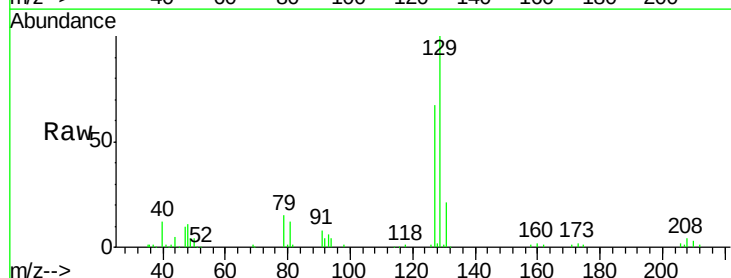
Instrument :
MSVOA_F
ClientSampleId :
VF0305SBSD01

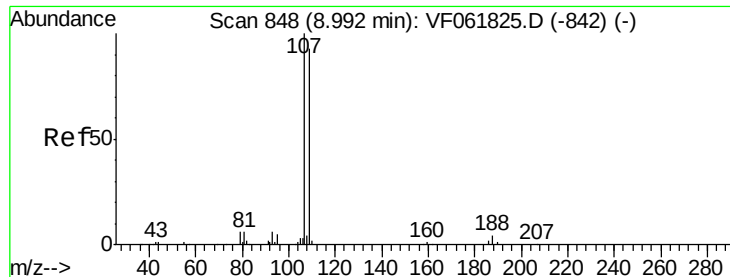
Tot Ion: 43 Resp: 117774
Ion Ratio Lower Upper
43 100
58 58.1 28.8 86.4



#60
Dibromochloromethane
Concen: 22.130 ug/l
RT: 8.71 min Scan# 820
Delta R.T. -0.01 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Tgt Ion: 129 Resp: 60834
Ion Ratio Lower Upper
129 100
127 67.2 38.2 114.6





#61

1,2-Dibromoethane

Concen: 21.229 ug/l

RT: 8.99 min Scan# 848

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

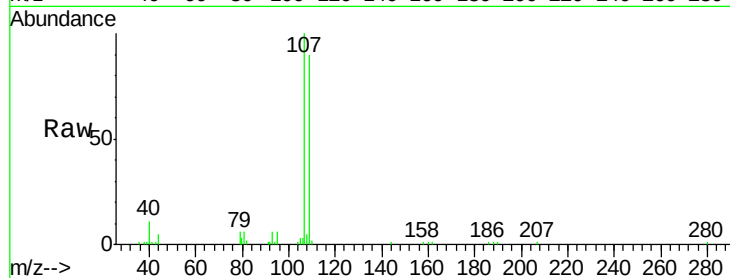
VF0305SBS01

Tot Ion:107 Resp: 45026

Ion Ratio Lower Upper

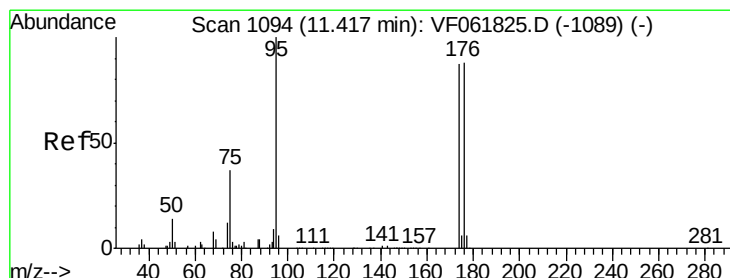
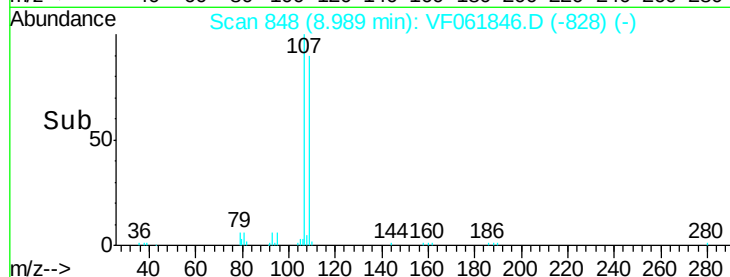
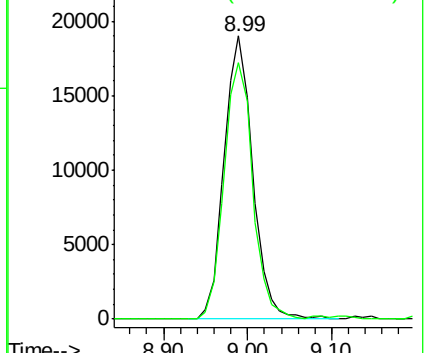
107 100

109 90.5 74.6 112.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 53.478 ug/l

RT: 11.41 min Scan# 1094

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

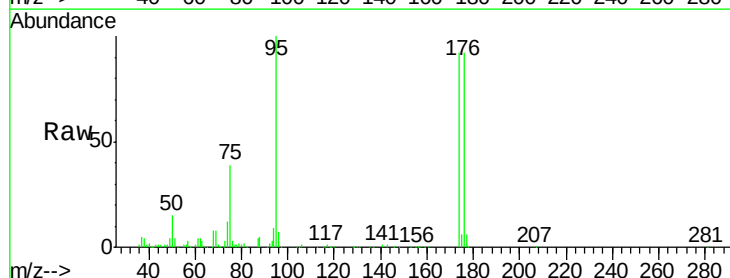
Tgt Ion: 95 Resp: 199139

Ion Ratio Lower Upper

95 100

174 91.9 0.0 174.0

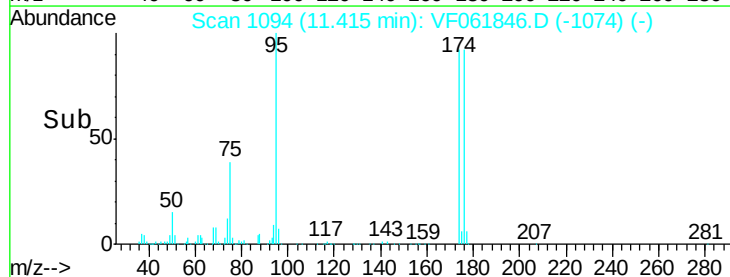
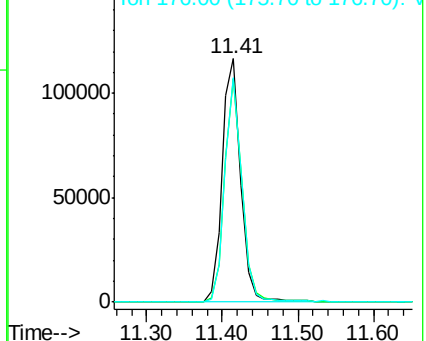
176 92.1 0.0 175.2

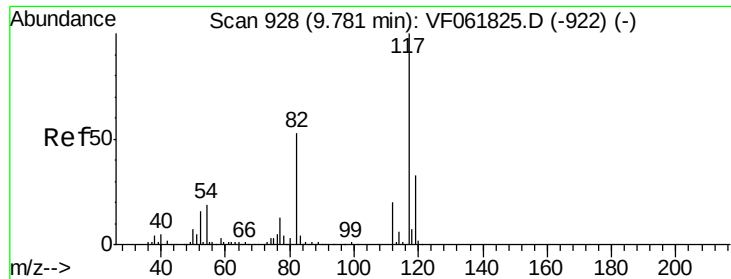


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

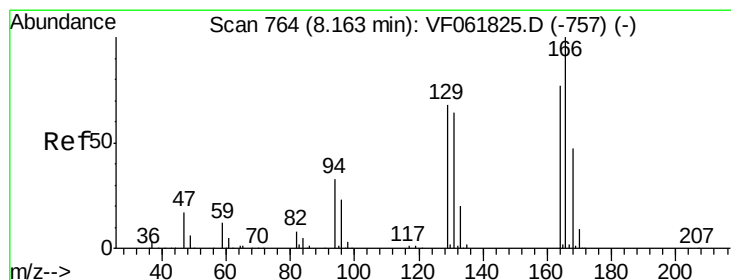
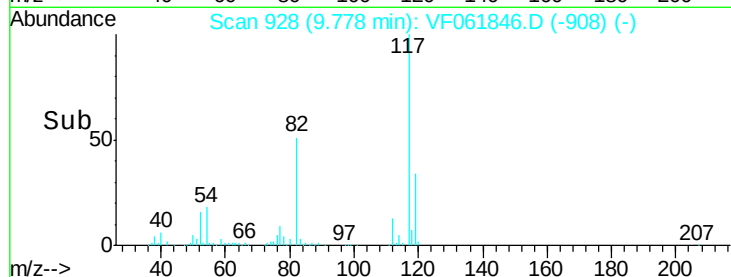
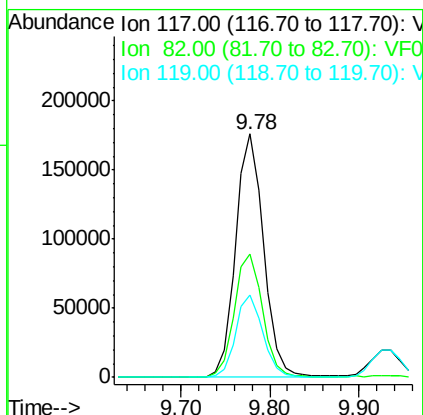
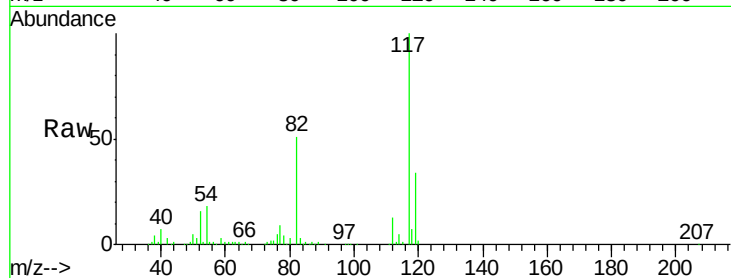




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

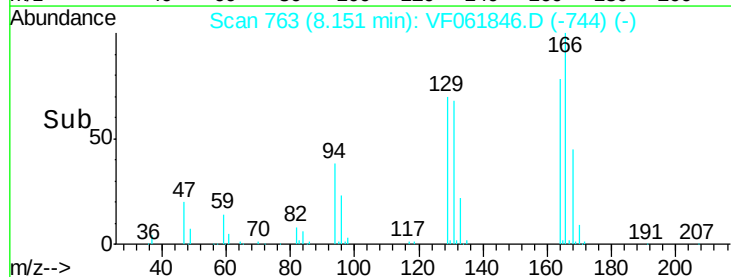
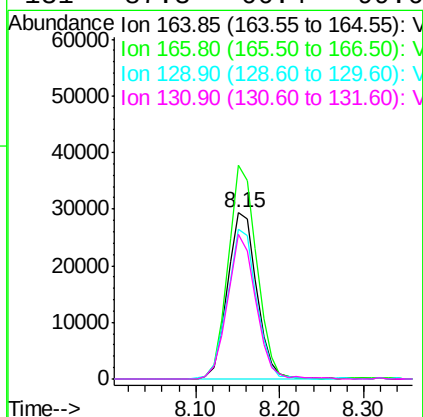
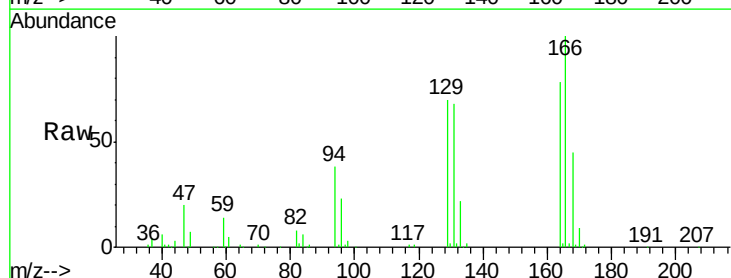
Instrument :
MSVOA_F
ClientSampleId :
VF0305SBSD01

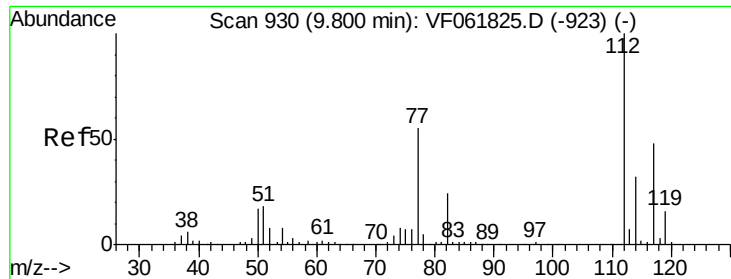
Tot Ion:117 Resp: 388247
Ion Ratio Lower Upper
117 100
82 50.7 42.6 63.8
119 33.7 26.0 39.0



#64
Tetrachloroethene
Concen: 23.705 ug/l
RT: 8.15 min Scan# 763
Delta R.T. -0.01 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Tgt Ion:164 Resp: 70717
Ion Ratio Lower Upper
164 100
166 128.8 103.4 155.0
129 90.4 69.9 104.9
131 87.3 66.4 99.6





#65

Chlorobenzene

Concen: 22.245 ug/l

RT: 9.80 min Scan# 930

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

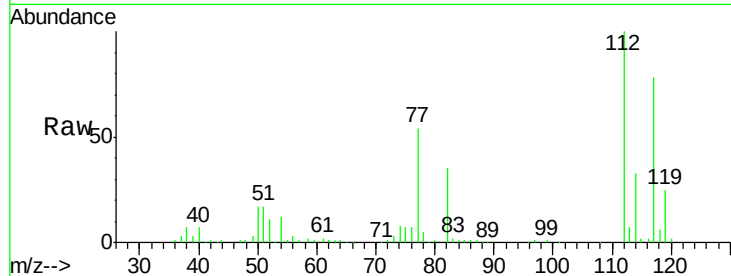
VF0305SBSD01

Tot Ion:112 Resp: 165926

Ion Ratio Lower Upper

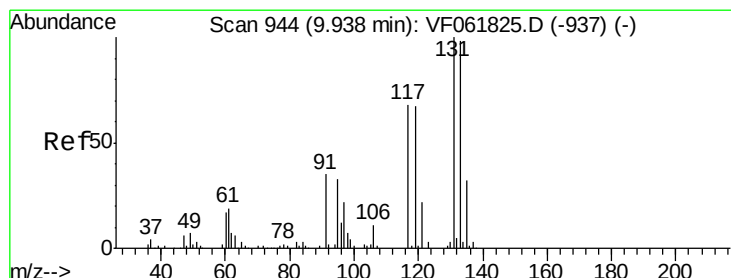
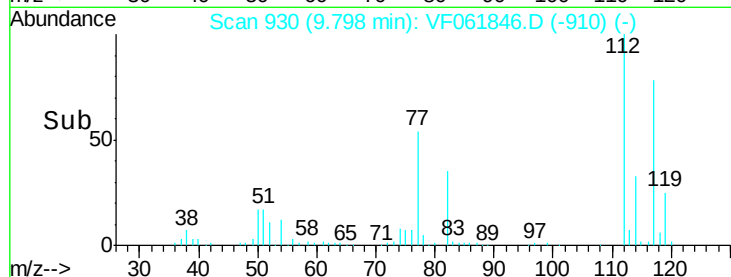
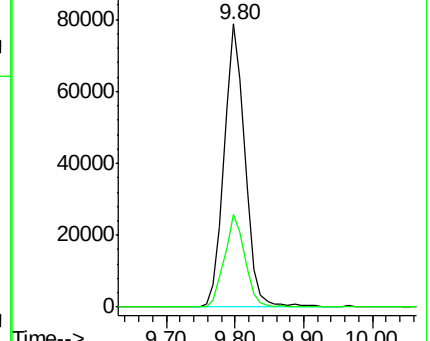
112 100

114 32.6 25.5 38.3



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 23.257 ug/l

RT: 9.94 min Scan# 944

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

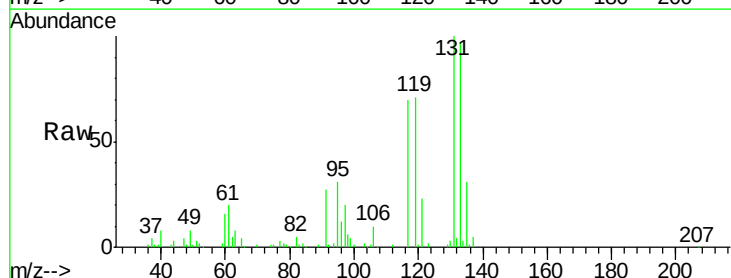
Tgt Ion:131 Resp: 67211

Ion Ratio Lower Upper

131 100

133 97.2 48.9 146.7

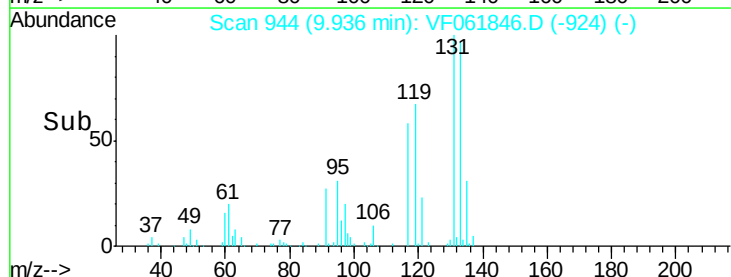
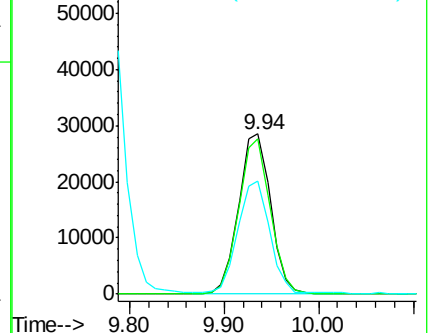
119 70.6 33.6 100.8

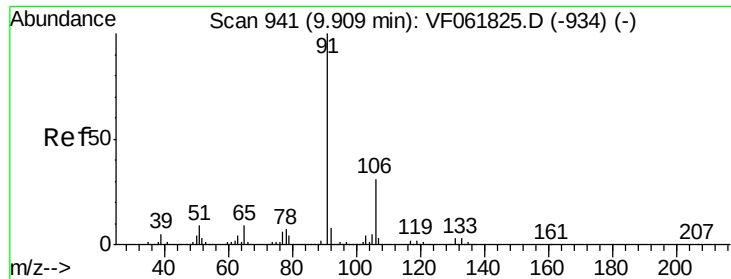


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 23.161 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

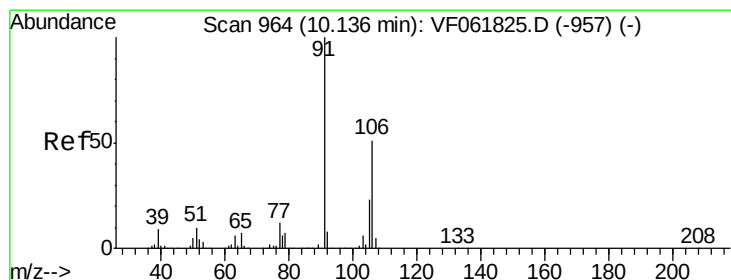
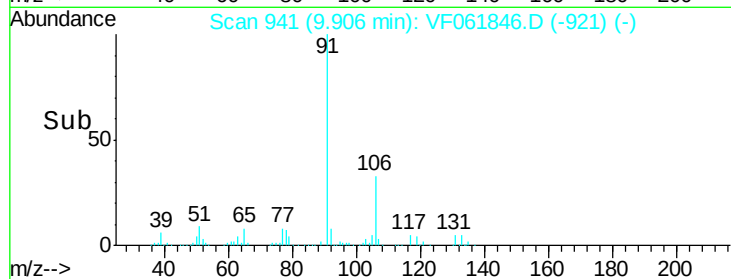
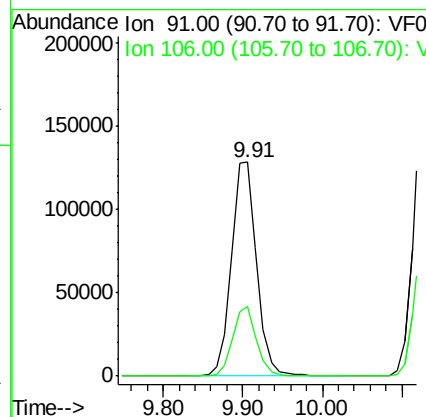
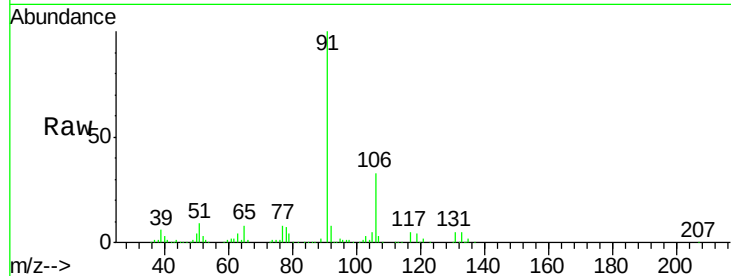
VF0305SBS01

Tot Ion: 91 Resp: 286343

Ion Ratio Lower Upper

91 100

106 32.6 25.0 37.4



#68

m/p-Xylenes

Concen: 45.143 ug/l

RT: 10.13 min Scan# 964

Delta R.T. -0.00 min

Lab File: VF061846.D

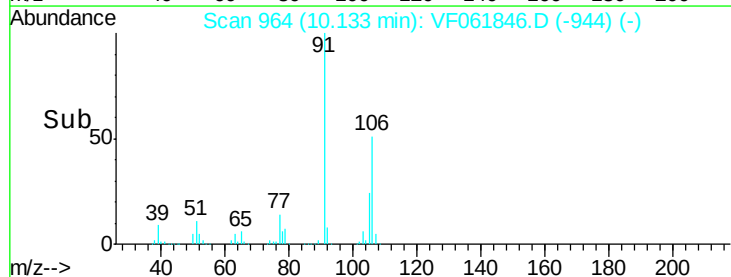
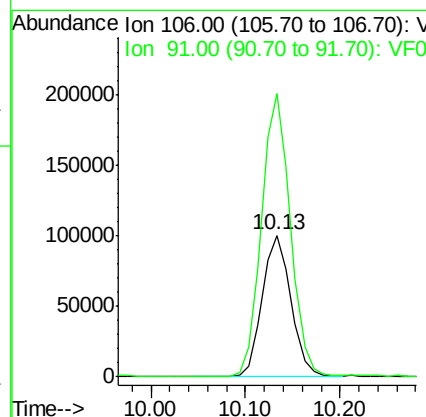
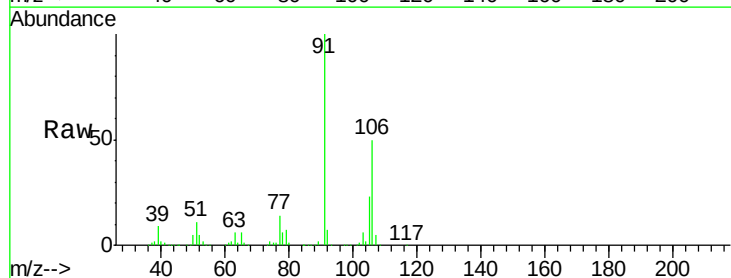
Acq: 5 Mar 2019 15:40

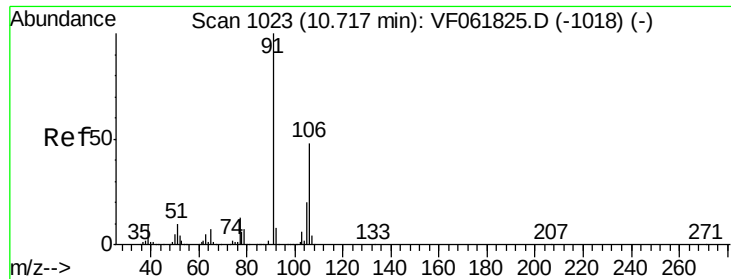
Tgt Ion:106 Resp: 213804

Ion Ratio Lower Upper

106 100

91 199.9 157.5 236.3

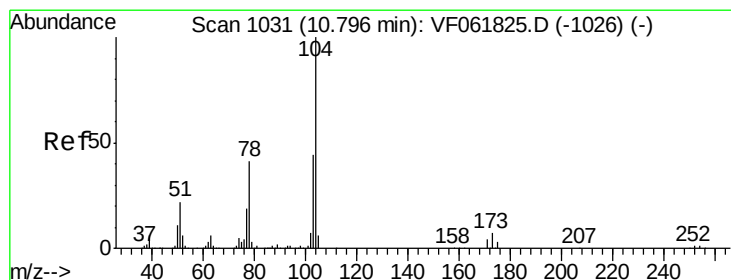
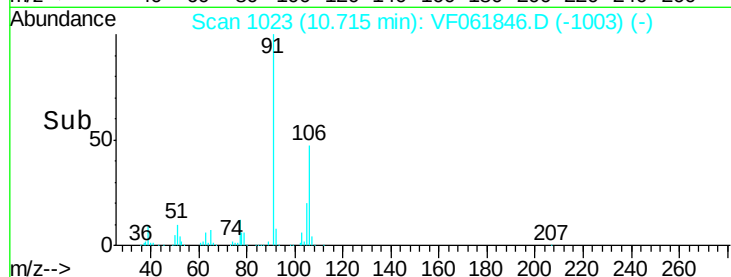
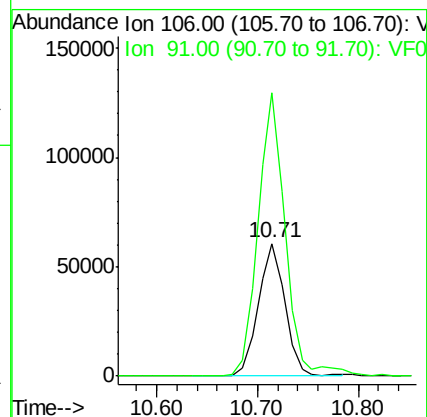
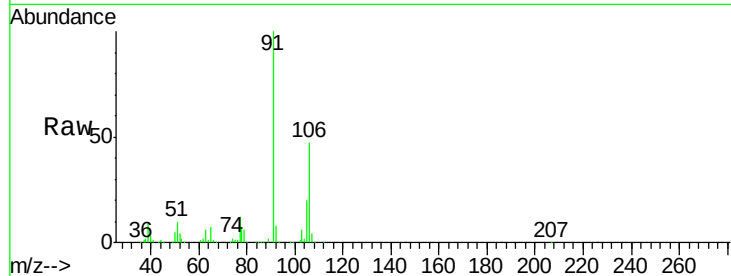




#69
o-Xylene
Concen: 22.006 ug/l
RT: 10.71 min Scan# 1023
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

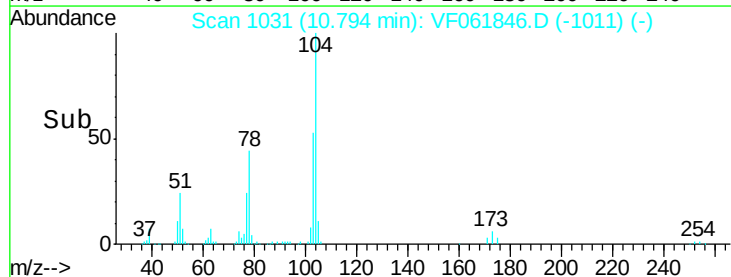
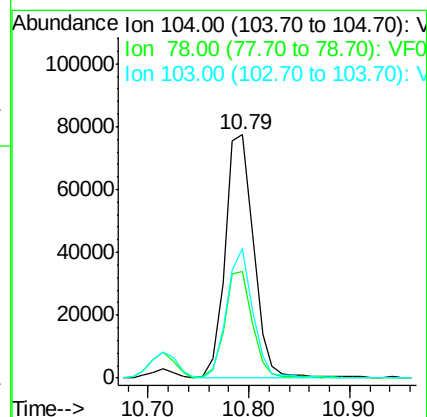
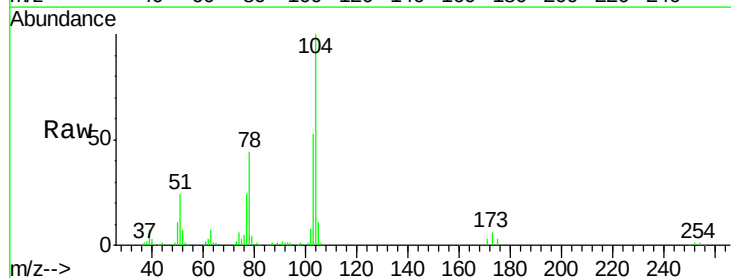
Instrument :
MSVOA_F
ClientSampleId :
VF0305SBSD01

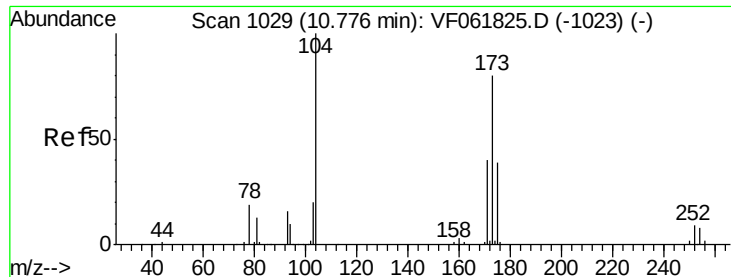
Tot Ion:106 Resp: 112231
Ion Ratio Lower Upper
106 100
91 213.0 103.5 310.3



#70
Styrene
Concen: 21.057 ug/l
RT: 10.79 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Tgt Ion:104 Resp: 151135
Ion Ratio Lower Upper
104 100
78 43.8 33.3 49.9
103 53.1 35.4 53.0#





#71

Bromoform

Concen: 20.570 ug/l

RT: 10.77 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VF0305SBSD01

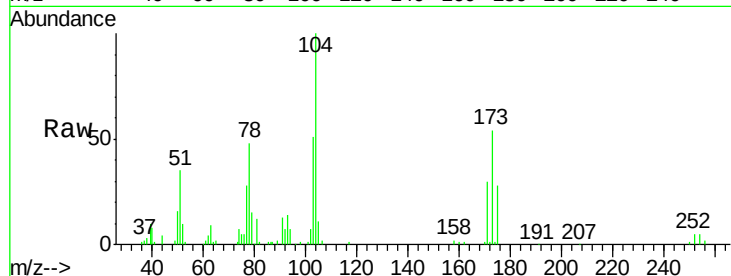
Tot Ion:173 Resp: 31418

Ion Ratio Lower Upper

173 100

175 50.6 24.5 73.5

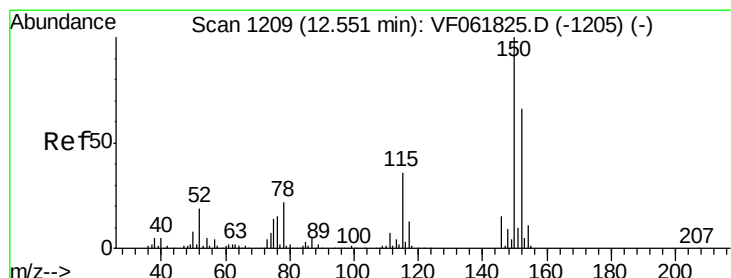
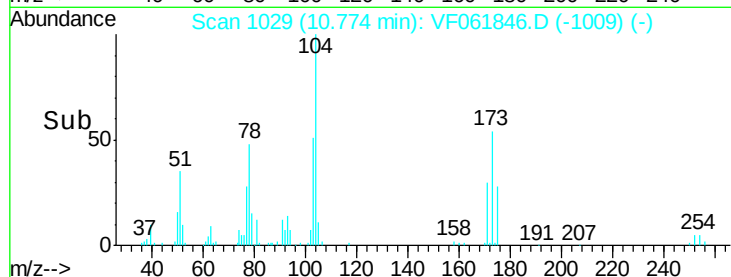
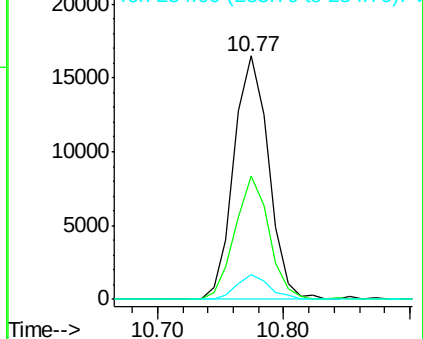
254 10.1 8.0 12.0



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: 12.55 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

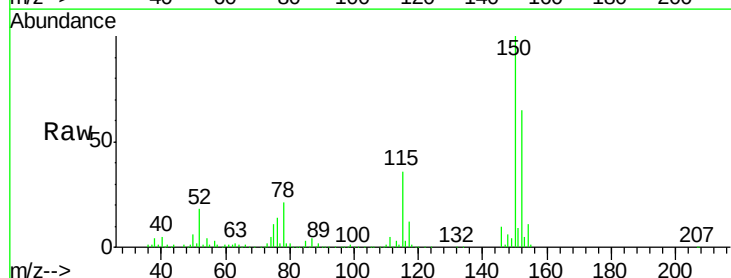
Tgt Ion:152 Resp: 211714

Ion Ratio Lower Upper

152 100

115 54.7 27.7 83.1

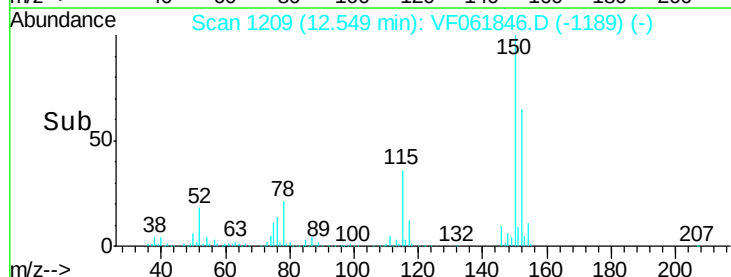
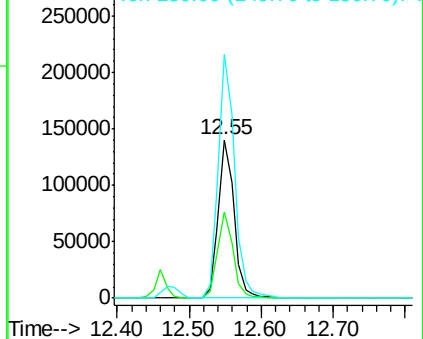
150 154.2 0.0 304.2

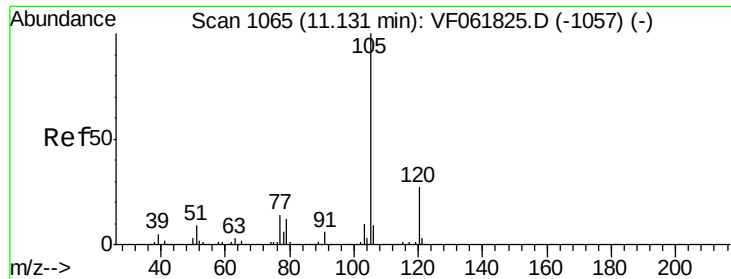


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.577 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

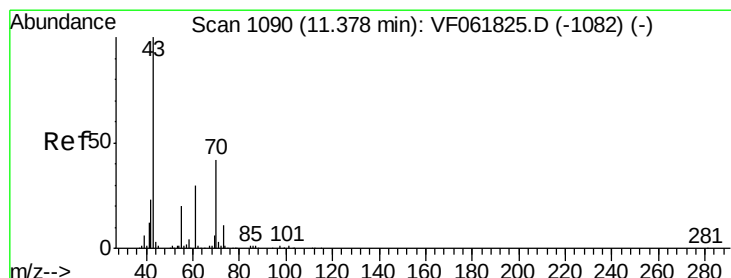
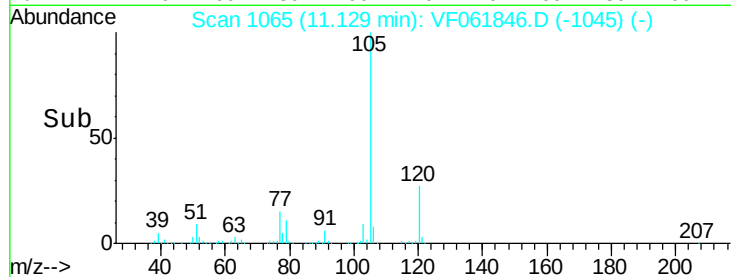
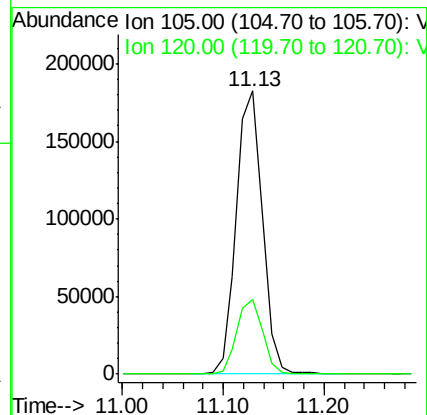
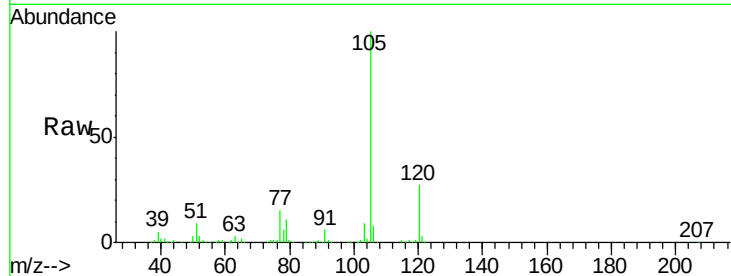
VF0305SBS01

Tot Ion:105 Resp: 329062

Ion Ratio Lower Upper

105 100

120 26.6 13.7 41.0



#74

N-ethyl acetate

Concen: 22.356 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Tgt Ion: 43 Resp: 75015

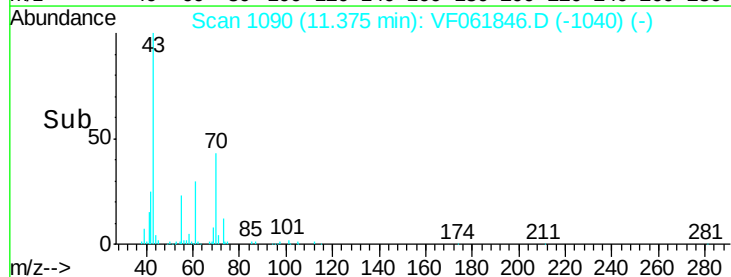
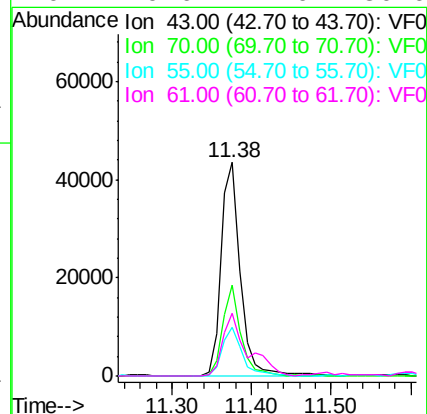
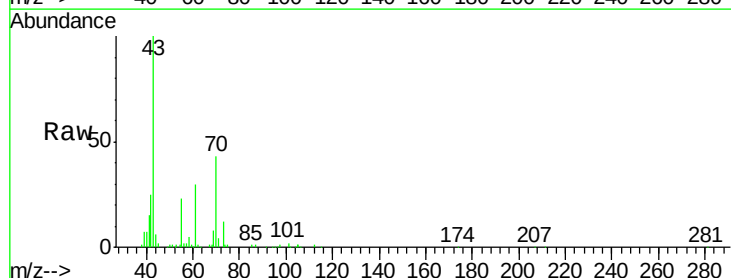
Ion Ratio Lower Upper

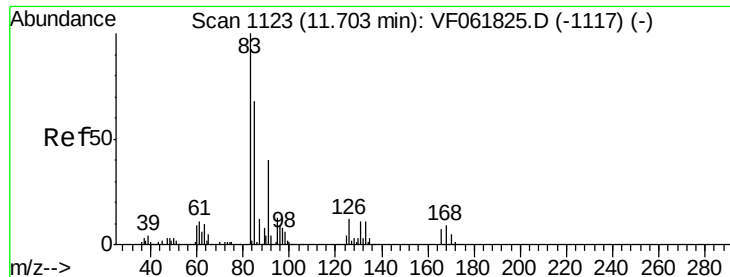
43 100

70 42.8 33.4 50.0

55 23.1 16.3 24.5

61 29.6 24.0 36.0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.314 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VF0305SBSD01

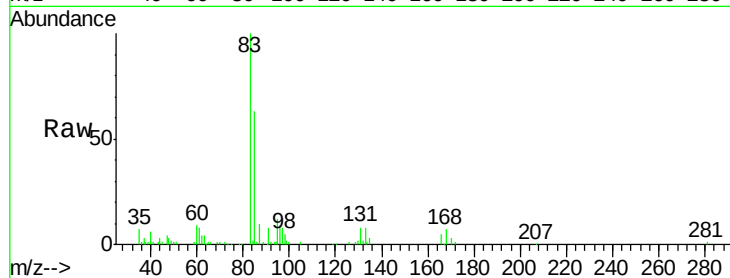
Tot Ion: 83 Resp: 54054

Ion Ratio Lower Upper

83 100

131 7.8 5.5 16.7

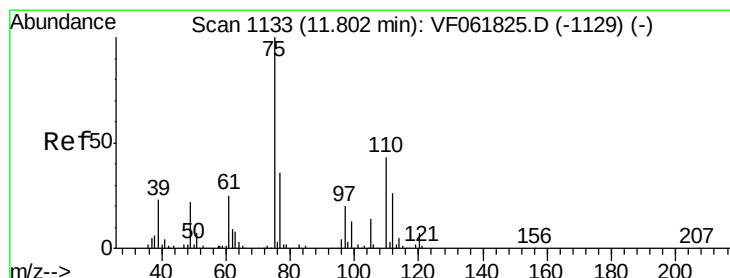
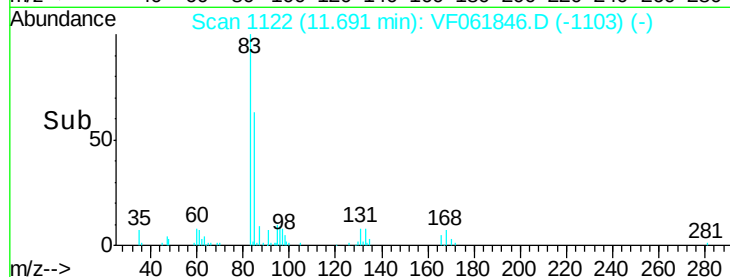
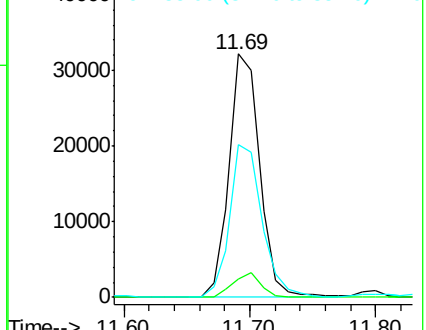
85 62.6 34.2 102.6



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 21.639 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VF061846.D

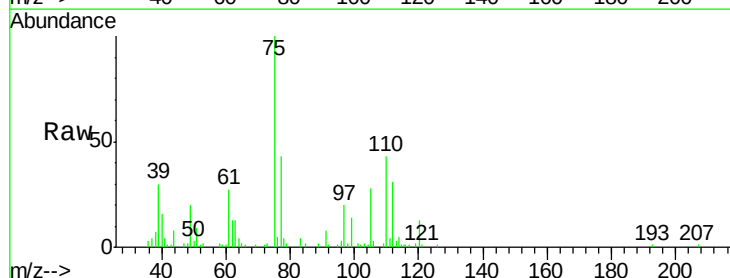
Acq: 5 Mar 2019 15:40

Tgt Ion: 75 Resp: 35777

Ion Ratio Lower Upper

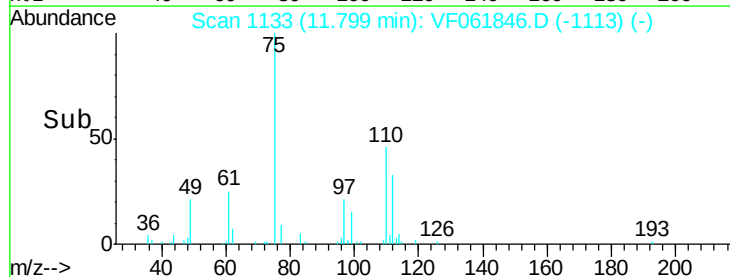
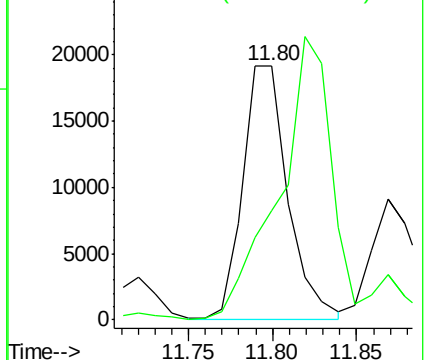
75 100

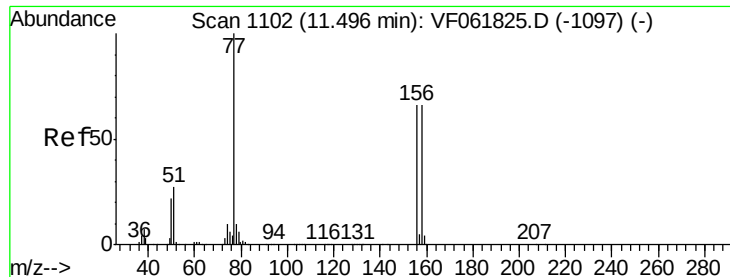
77 42.9 18.1 54.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 23.197 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VF0305SBSD01

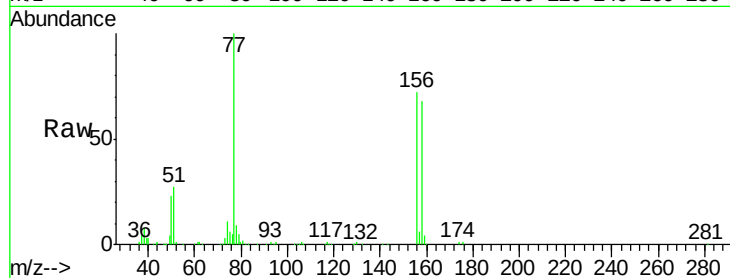
Tot Ion:156 Resp: 81371

Ion Ratio Lower Upper

156 100

77 138.2 75.7 227.1

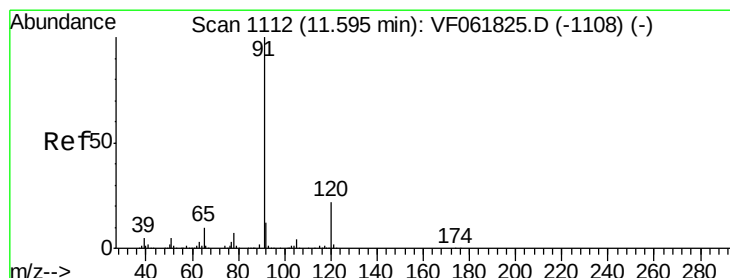
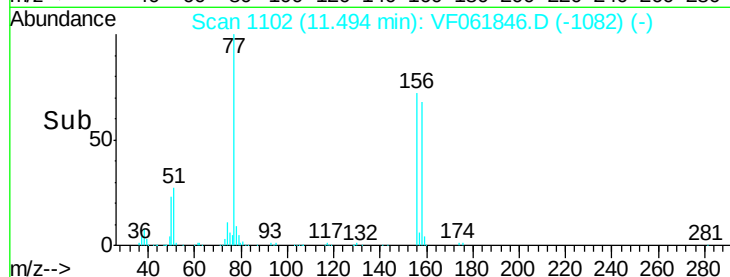
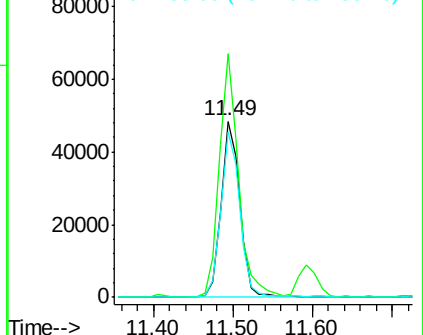
158 93.9 50.0 150.1



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: 23.624 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF061846.D

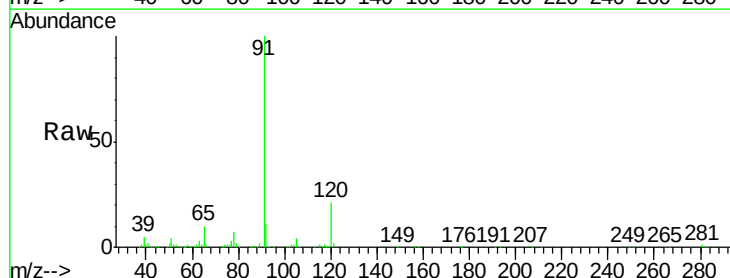
Acq: 5 Mar 2019 15:40

Tgt Ion: 91 Resp: 388855

Ion Ratio Lower Upper

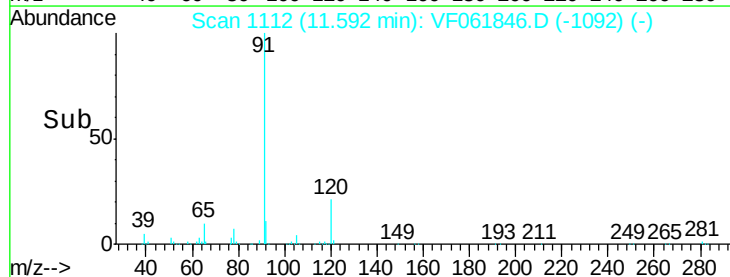
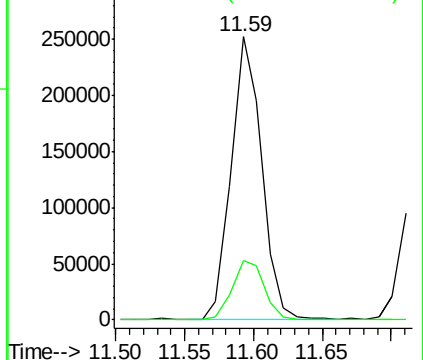
91 100

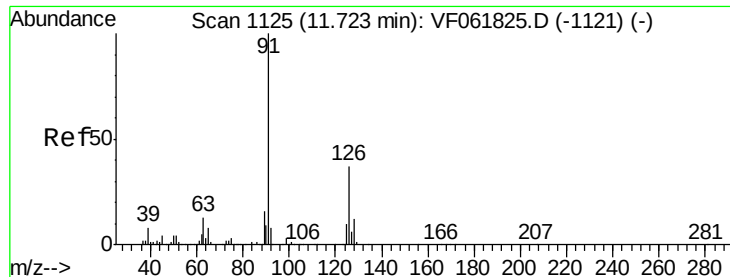
120 21.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.447 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

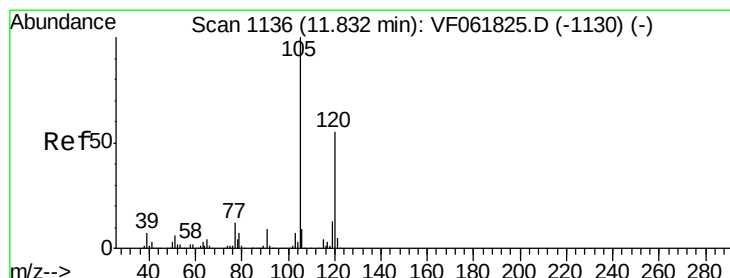
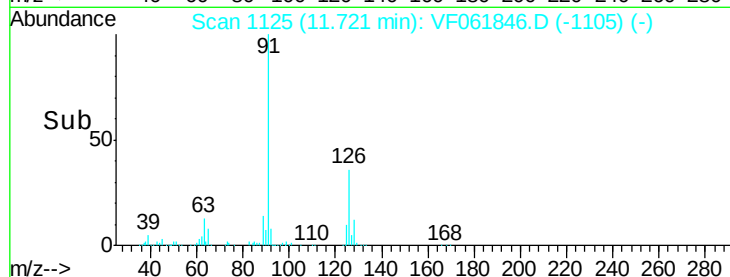
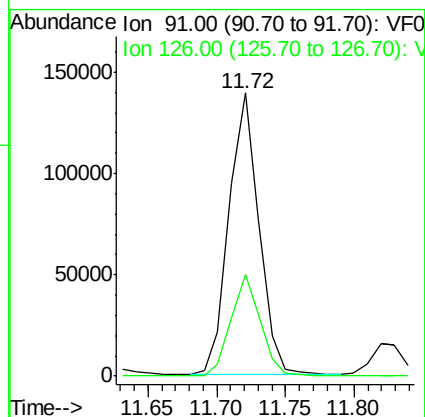
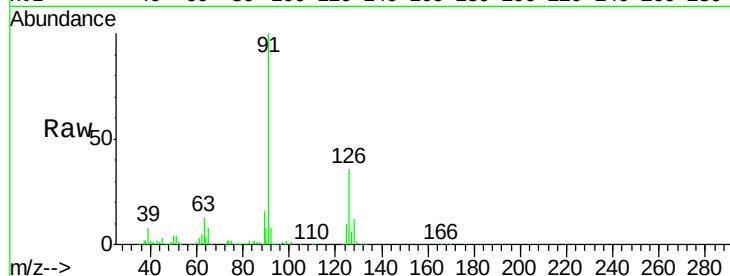
VF0305SBSD01

Tot Ion: 91 Resp: 211234

Ion Ratio Lower Upper

91 100

126 36.1 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 22.846 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.01 min

Lab File: VF061846.D

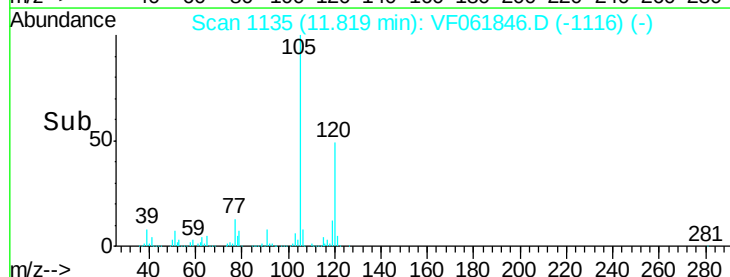
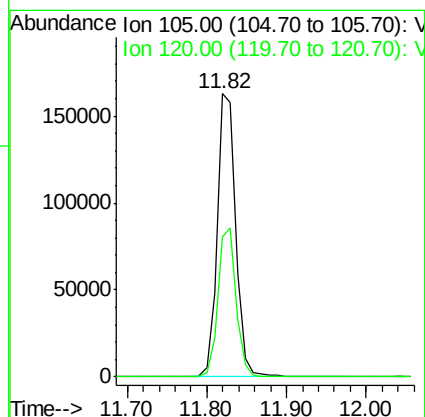
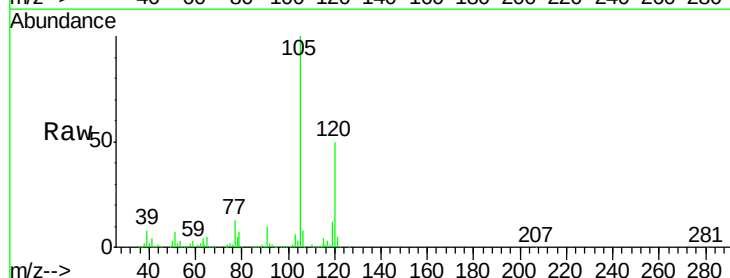
Acq: 5 Mar 2019 15:40

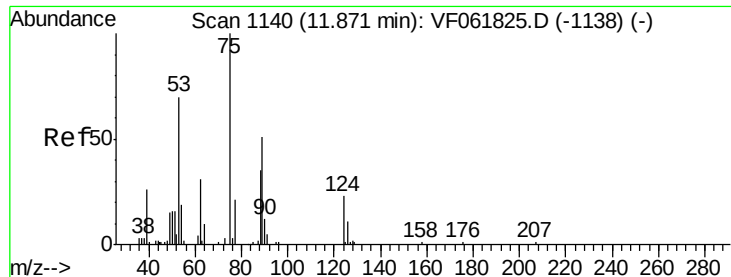
Tgt Ion:105 Resp: 267346

Ion Ratio Lower Upper

105 100

120 49.7 27.4 82.2





#81

trans-1,4-Dichloro-2-butene

Concen: 28.048 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VF0305SBSD01

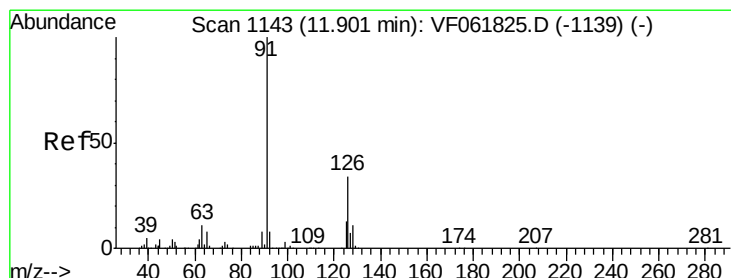
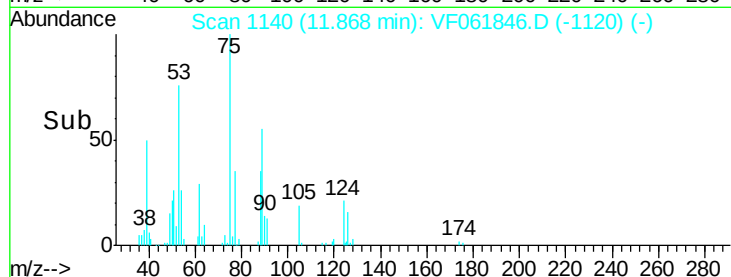
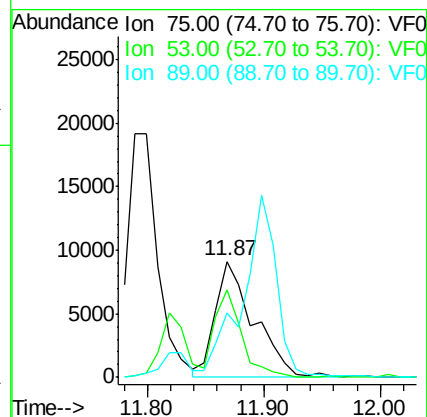
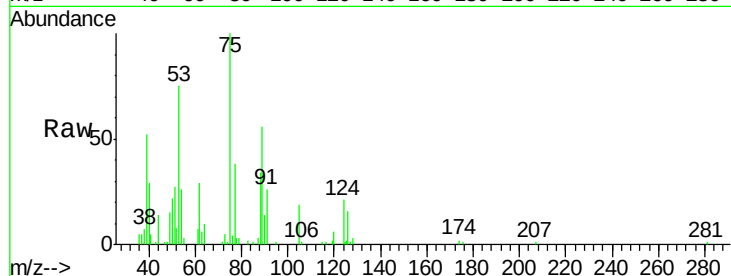
Tot Ion: 75 Resp: 21205

Ion Ratio Lower Upper

75 100

53 75.2 58.6 88.0

89 55.6 41.4 62.0



#82

4-Chlorotoluene

Concen: 22.571 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VF061846.D

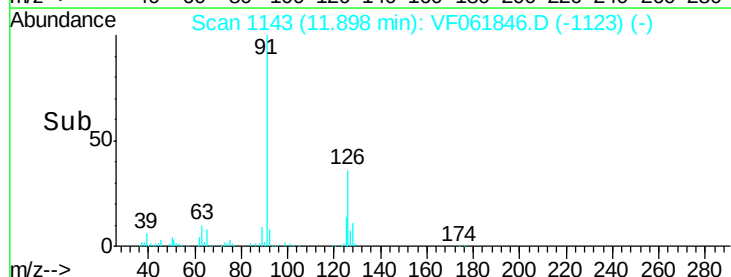
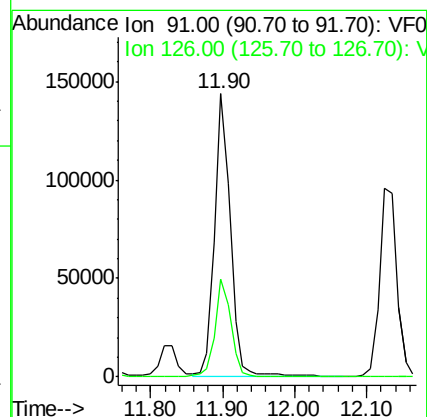
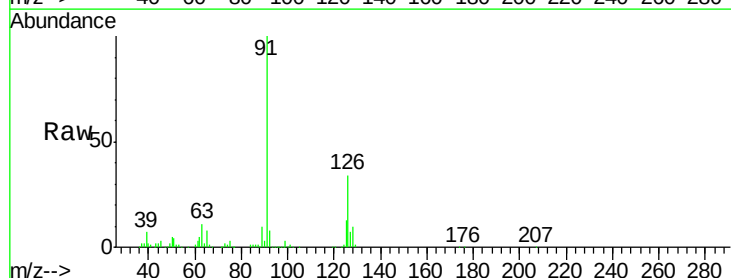
Acq: 5 Mar 2019 15:40

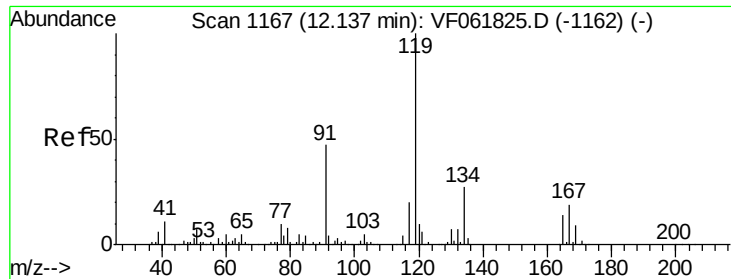
Tgt Ion: 91 Resp: 217258

Ion Ratio Lower Upper

91 100

126 34.4 17.0 50.9

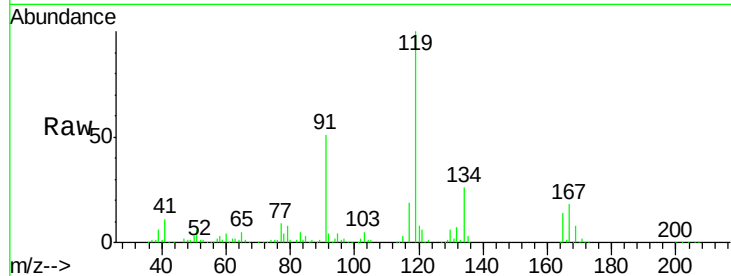




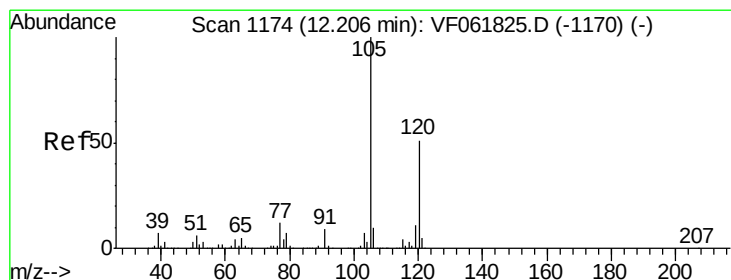
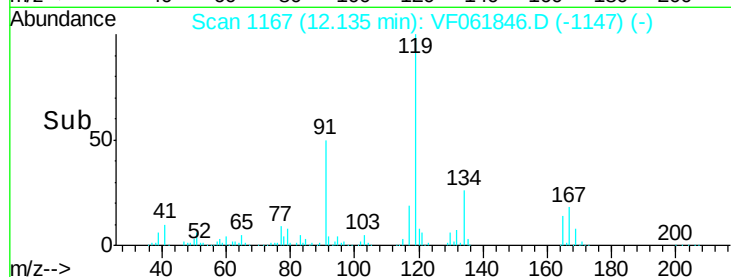
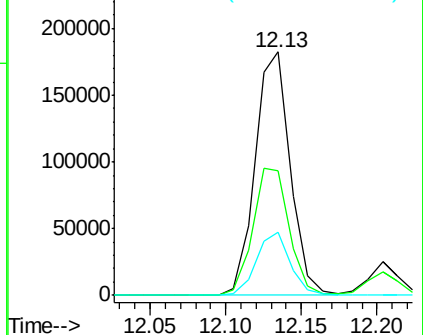
#83
 tert-Butylbenzene
 Concen: 23.816 ug/l
 RT: 12.13 min Scan# 1167
 Delta R.T. -0.00 min
 Lab File: VF061846.D
 Acq: 5 Mar 2019 15:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0305SBS01

Tot Ion:119 Resp: 295938
 Ion Ratio Lower Upper
 119 100
 91 51.2 23.5 70.5
 134 25.9 13.3 39.8

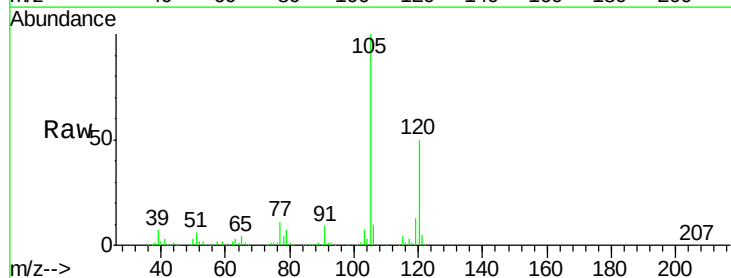


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

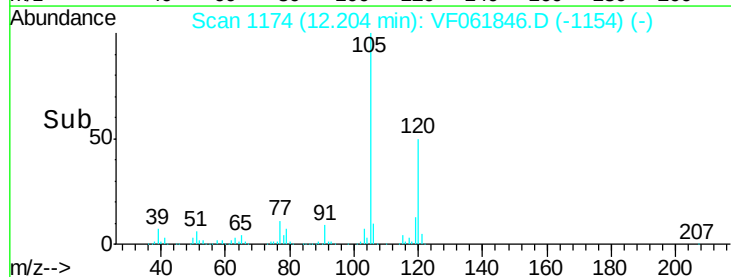
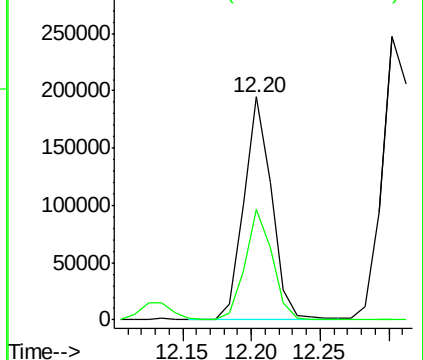


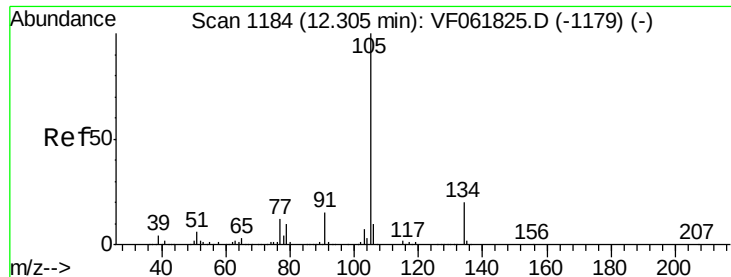
#84
 1,2,4-Trimethylbenzene
 Concen: 23.904 ug/l
 RT: 12.20 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VF061846.D
 Acq: 5 Mar 2019 15:40

Tgt Ion:105 Resp: 274221
 Ion Ratio Lower Upper
 105 100
 120 49.7 25.8 77.4



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





#85

sec-Butylbenzene

Concen: 23.290 ug/l

RT: 12.30 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

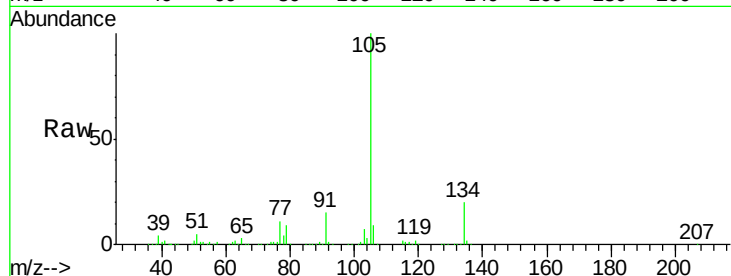
VF0305SBSD01

Tot Ion:105 Resp: 376604

Ion Ratio Lower Upper

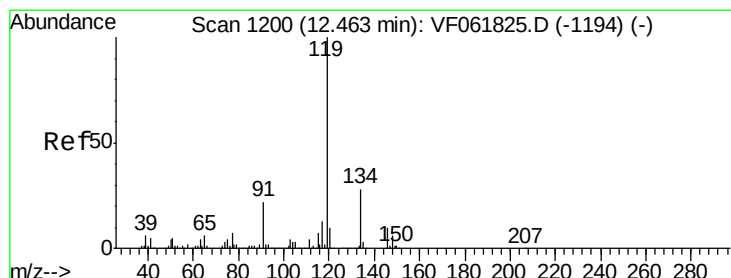
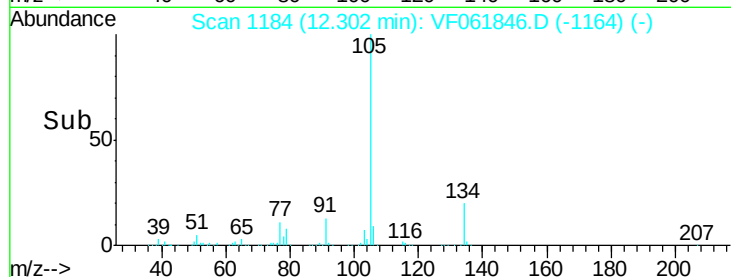
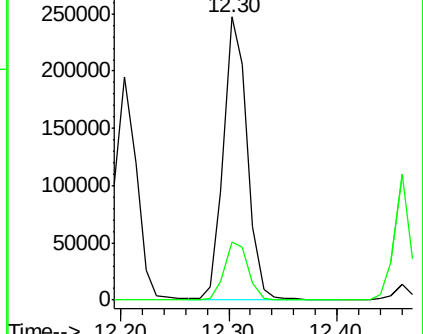
105 100

134 20.4 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 31.106 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

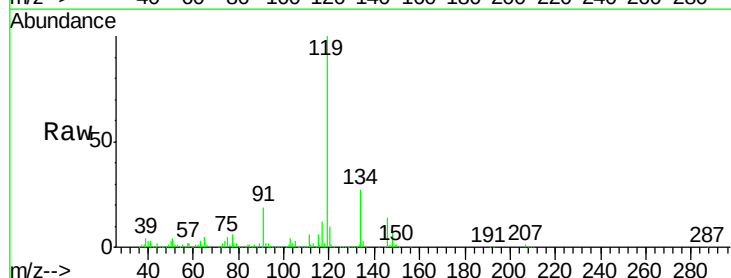
Tgt Ion:119 Resp: 427551

Ion Ratio Lower Upper

119 100

134 27.0 14.0 42.0

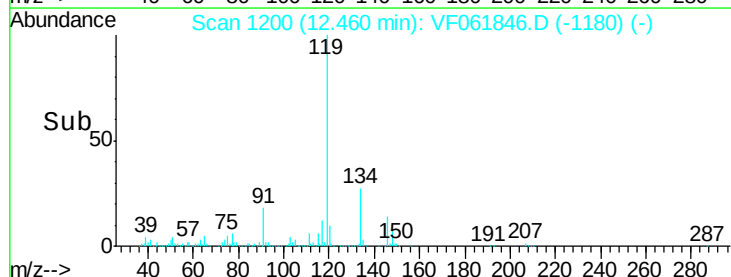
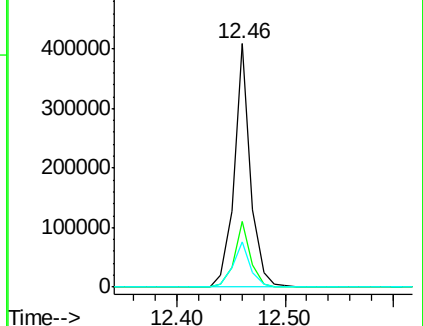
91 18.5 11.1 33.3

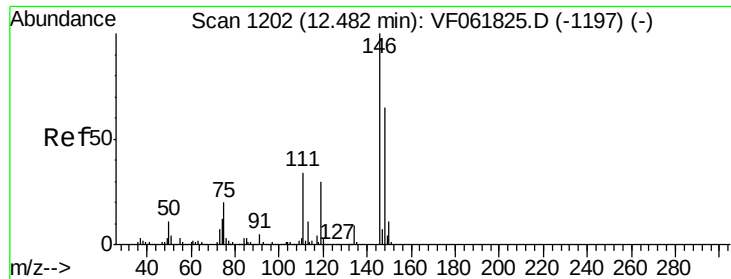


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

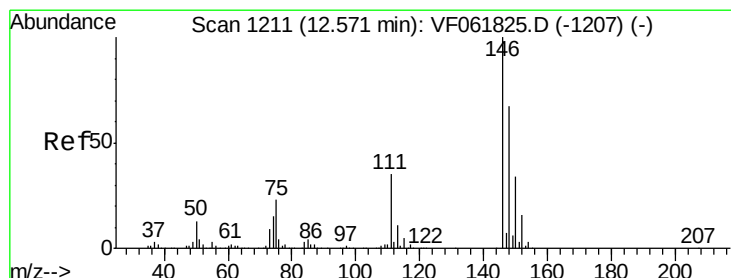
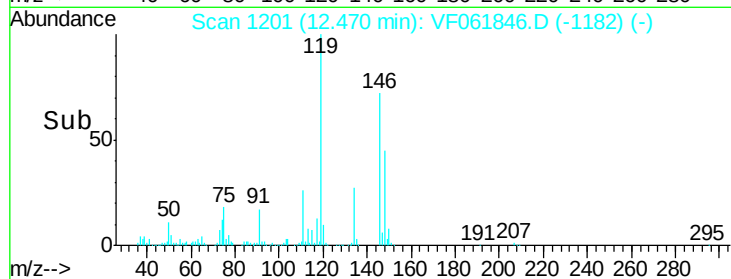
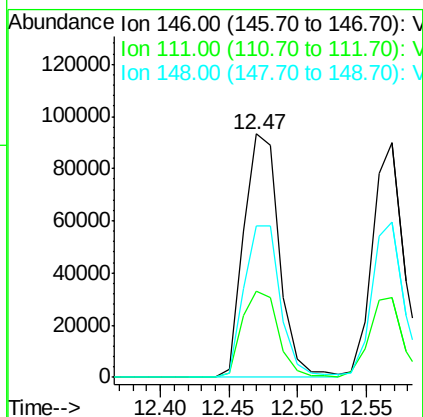
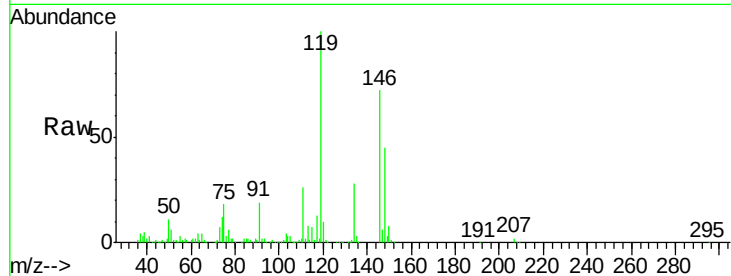




#87
 1,3-Dichlorobenzene
 Concen: 25.304 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VF061846.D
 Acq: 5 Mar 2019 15:40

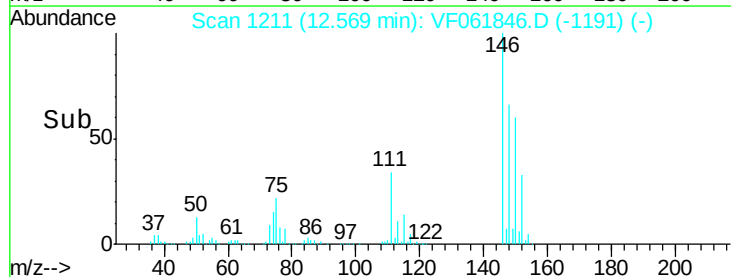
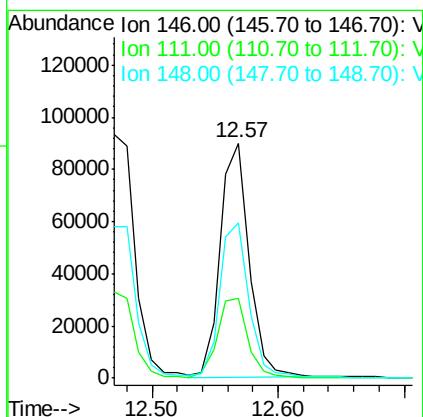
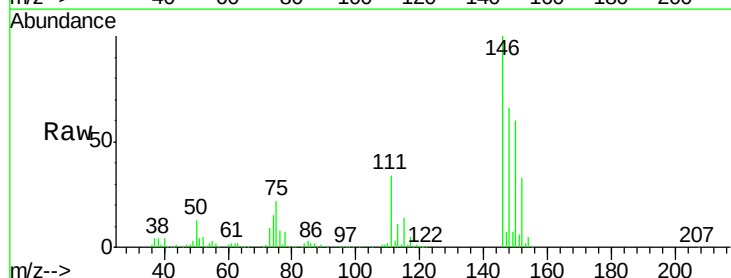
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0305SBSD01

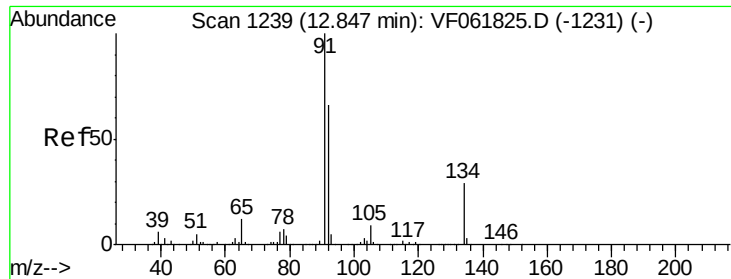
Tot Ion:146 Resp: 168542
 Ion Ratio Lower Upper
 146 100
 111 35.6 17.0 51.0
 148 62.2 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 22.212 ug/l
 RT: 12.57 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: VF061846.D
 Acq: 5 Mar 2019 15:40

Tgt Ion:146 Resp: 142717
 Ion Ratio Lower Upper
 146 100
 111 34.0 17.6 52.9
 148 66.2 33.5 100.4

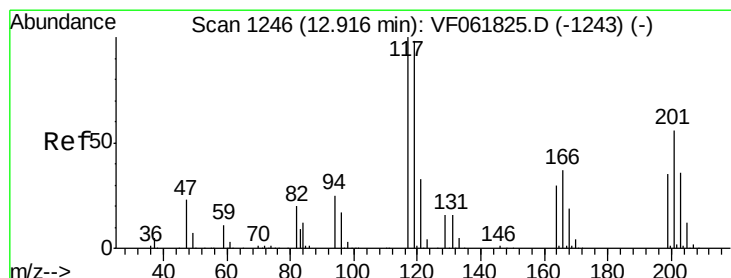
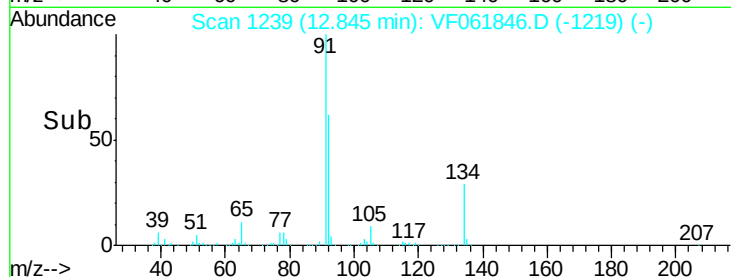
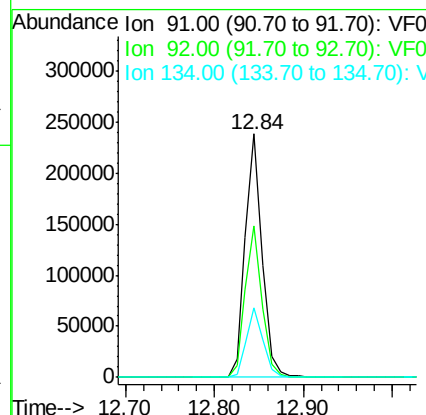
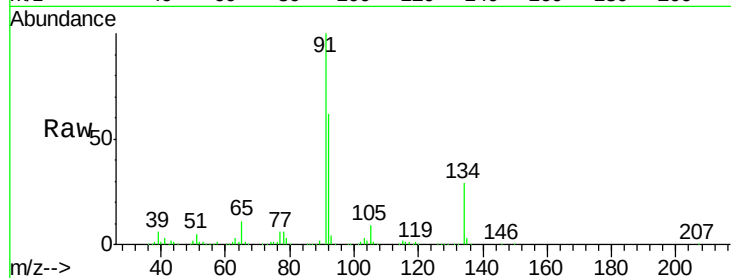




#89
n-Butylbenzene
Concen: 24.159 ug/l
RT: 12.84 min Scan# 1239
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

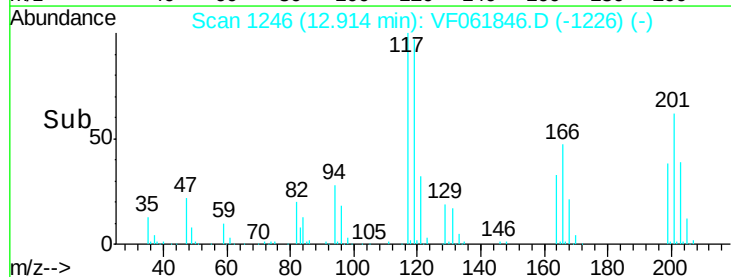
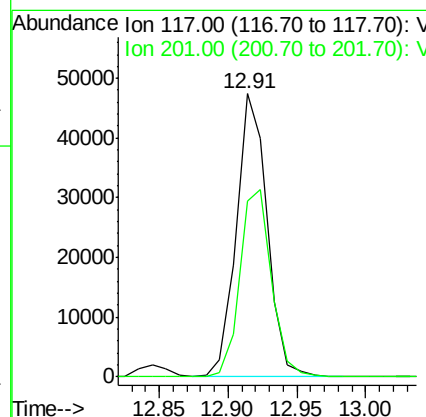
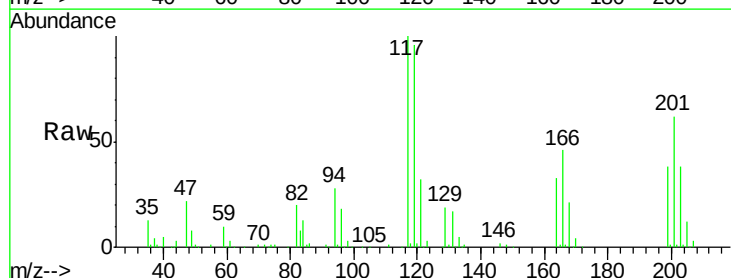
Instrument :
MSVOA_F
ClientSampleId :
VF0305SBSD01

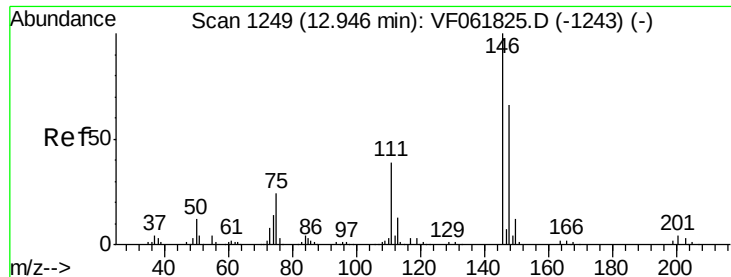
Tot Ion: 91 Resp: 317347
Ion Ratio Lower Upper
91 100
92 62.3 32.9 98.6
134 28.7 14.5 43.6



#90
Hexachloroethane
Concen: 22.353 ug/l
RT: 12.91 min Scan# 1246
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Tgt Ion: 117 Resp: 73953
Ion Ratio Lower Upper
117 100
201 62.1 27.8 83.4

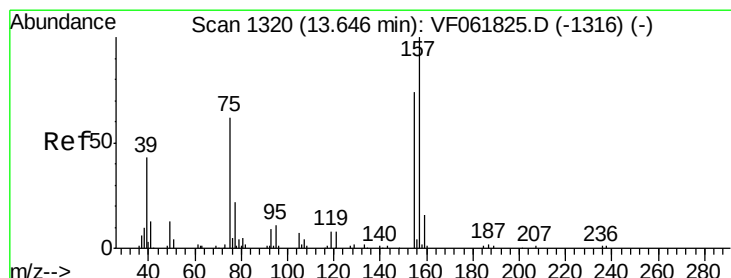
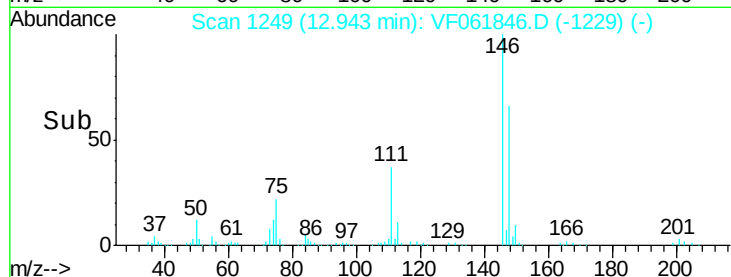
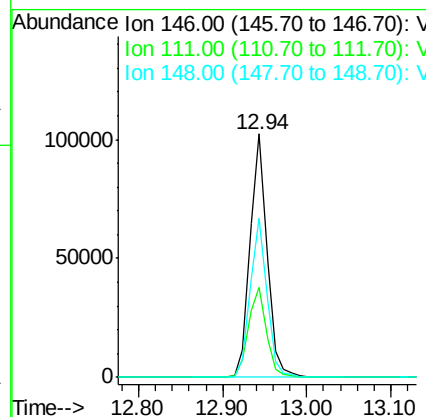
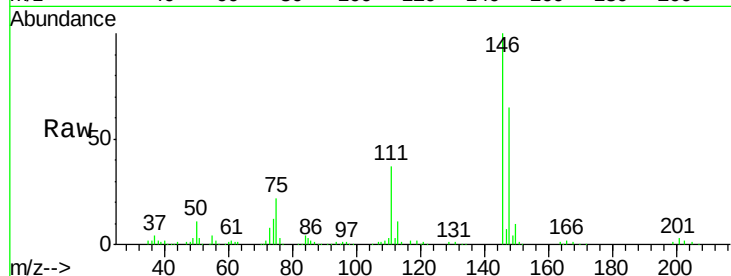




#91
 1,2-Dichlorobenzene
 Concen: 23.078 ug/l
 RT: 12.94 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VF061846.D
 Acq: 5 Mar 2019 15:40

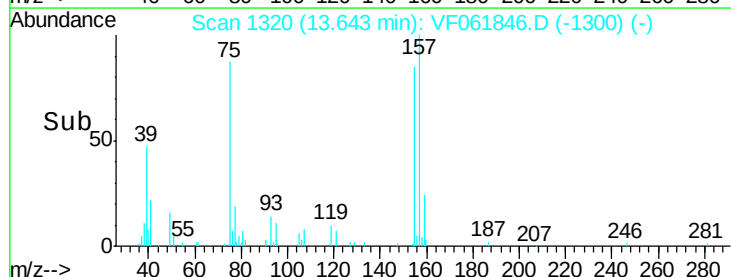
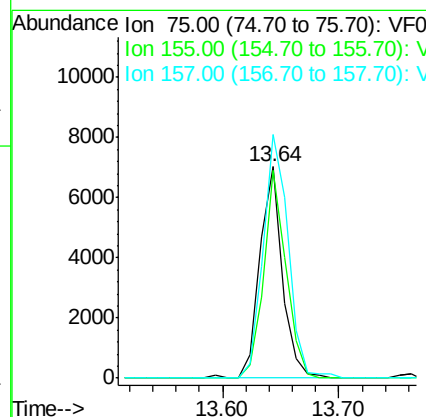
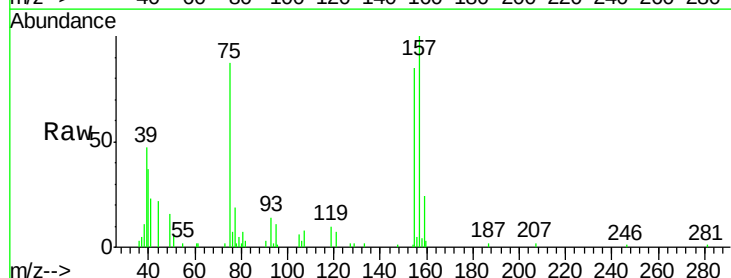
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0305SBS01

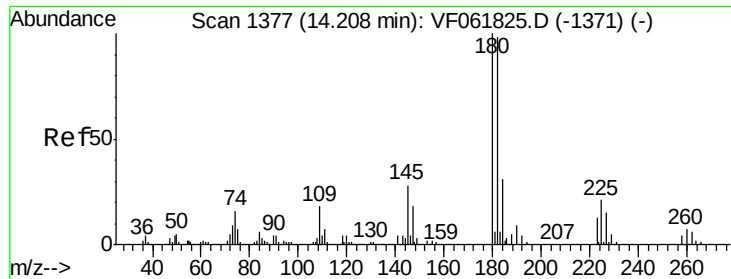
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	19.4	58.4
148	65.5	33.0	98.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.572 ug/l
 RT: 13.64 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VF061846.D
 Acq: 5 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.2	59.8	179.4
157	115.2	81.2	243.4

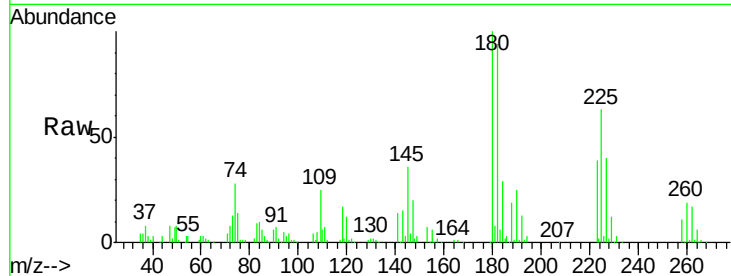




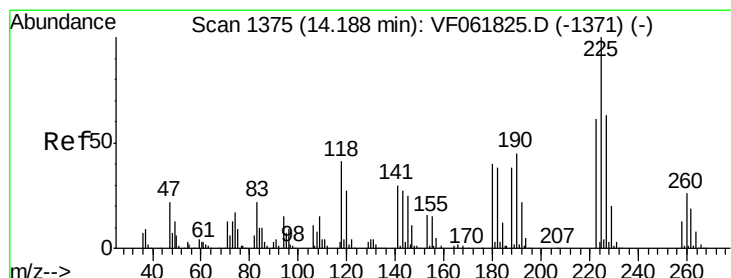
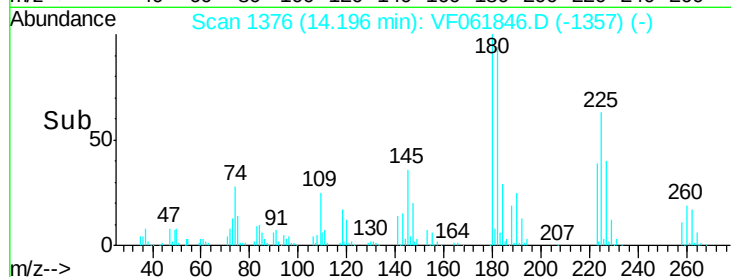
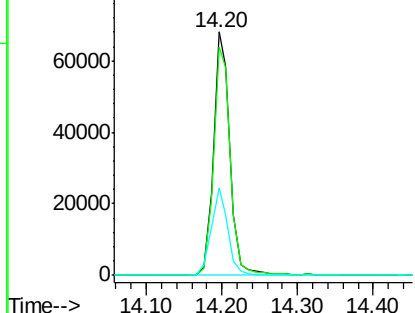
#93
 1,2,4-Trichlorobenzene
 Concen: 23.774 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF061846.D
 Acq: 5 Mar 2019 15:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0305SBSD01

Tot Ion:180 Resp: 105181
 Ion Ratio Lower Upper
 180 100
 182 93.8 49.0 147.2
 145 35.8 14.1 42.4

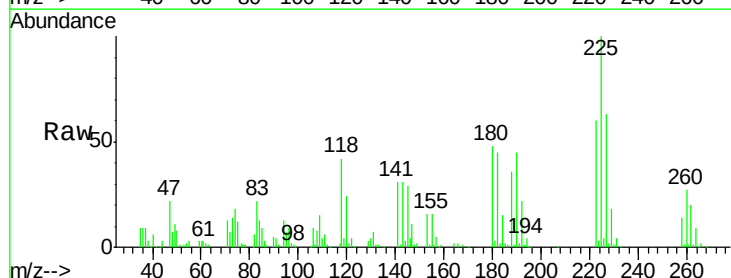


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

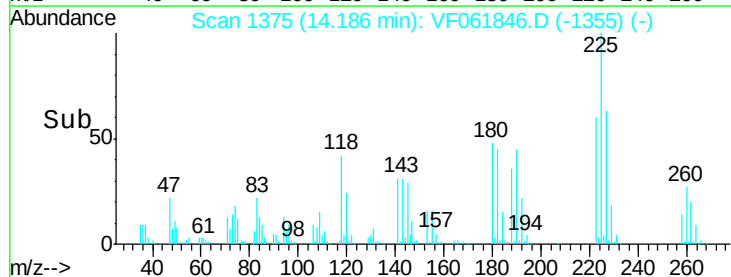
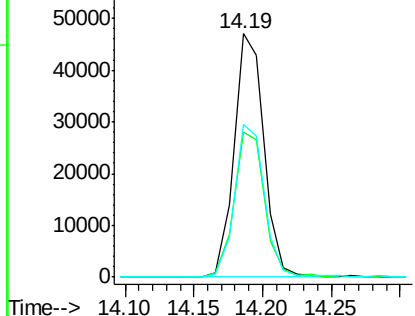


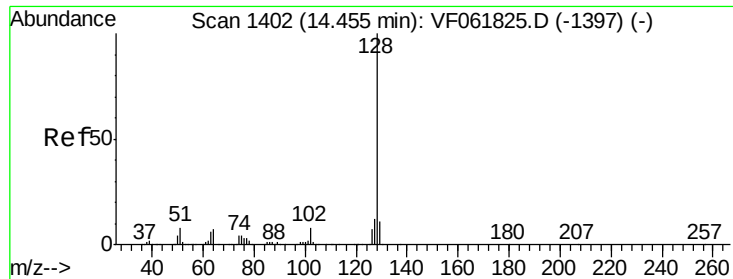
#94
 Hexachlorobutadiene
 Concen: 23.188 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF061846.D
 Acq: 5 Mar 2019 15:40

Tgt Ion:225 Resp: 71020
 Ion Ratio Lower Upper
 225 100
 223 59.8 30.3 90.9
 227 62.8 31.3 93.8



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

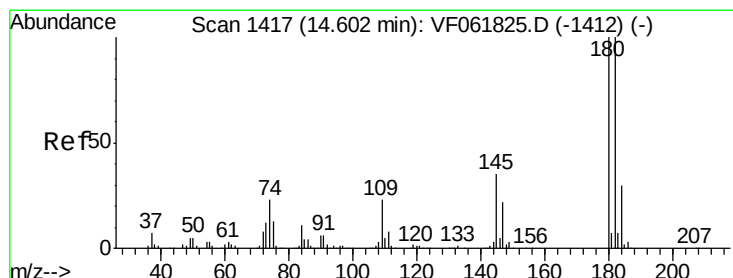
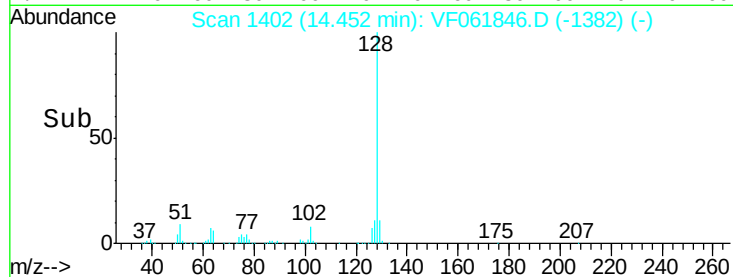
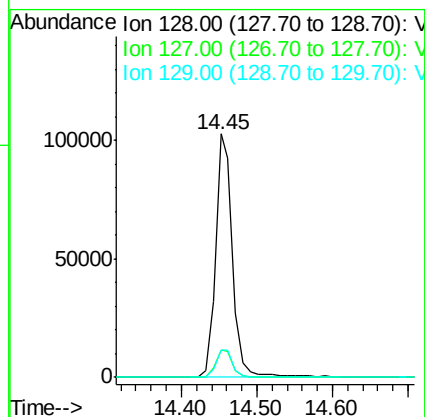
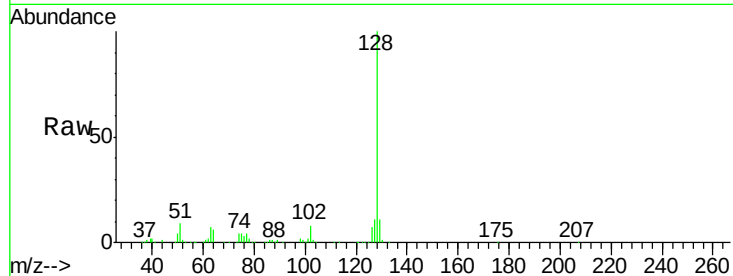




#95
Naphthalene
Concen: 20.596 ug/l
RT: 14.45 min Scan# 1402
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VF0305SBSD01

Tot Ion:128 Resp: 162293
Ion Ratio Lower Upper
128 100
127 11.5 9.3 13.9
129 11.3 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 22.536 ug/l
RT: 14.60 min Scan# 1417
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Tgt Ion:180 Resp: 92058
Ion Ratio Lower Upper
180 100
182 95.0 50.2 150.7
145 32.3 17.5 52.5

