

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011819\
 Data File : VF061454.D
 Acq On : 18 Jan 2019 12:42
 Operator : VA/AP
 Sample : VF0118SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0118SBS01

Quant Time: Jan 19 03:56:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	196389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	330314	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	309544	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	154297	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	118051	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
35) Dibromofluoromethane	4.10	113	141187	54.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.34%	
50) Toluene-d8	7.54	98	394820	55.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.58%	
62) 4-Bromofluorobenzene	11.41	95	170515	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	72170	18.703	ug/l	86
3) Chloromethane	1.09	50	55836	19.734	ug/l	92
4) Vinyl Chloride	1.13	62	50684	20.138	ug/l	93
5) Bromomethane	1.31	94	30466	18.563	ug/l	98
6) Chloroethane	1.39	64	21523	19.299	ug/l #	84
7) Trichlorofluoromethane	1.46	101	63309	12.939	ug/l	99
8) Diethyl Ether	1.62	74	12596	20.091	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.83	101	45276	19.258	ug/l	88
10) Methyl Iodide	1.90	142	53388	14.648	ug/l	96
11) Tert butyl alcohol	2.56	59	10037	97.796	ug/l #	90
12) 1,1-Dichloroethene	1.79	96	36157	20.700	ug/l	94
13) Acrolein	1.99	56	4971	64.244	ug/l	90
14) Allyl chloride	2.09	41	48798	23.024	ug/l	93
15) Acrylonitrile	2.92	53	28234	107.398	ug/l	100
16) Acetone	2.22	43	56028	115.185	ug/l	99
17) Carbon Disulfide	1.80	76	76552	14.056	ug/l	94
18) Methyl Acetate	2.33	43	20358	21.104	ug/l	96
19) Methyl tert-butyl Ether	2.42	73	70287	17.951	ug/l	97
20) Methylene Chloride	2.24	84	22017	11.999	ug/l	89
21) trans-1,2-Dichloroethene	2.29	96	36214	18.844	ug/l	88
22) Diisopropyl ether	2.79	45	132745	21.356	ug/l	99
23) Vinyl Acetate	3.17	43	301111	111.921	ug/l	99
24) 1,1-Dichloroethane	2.86	63	75611	19.381	ug/l	99
25) 2-Butanone	4.32	43	87095	107.672	ug/l	93
26) 2,2-Dichloropropane	3.59	77	46569	19.429	ug/l	99
27) cis-1,2-Dichloroethene	3.47	96	60632	21.373	ug/l	95
28) Bromochloromethane	3.70	49	33180	18.921	ug/l #	92
29) Tetrahydrofuran	4.07	42	34970	100.401	ug/l	97
30) Chloroform	3.84	83	104726	19.891	ug/l	100
31) Cyclohexane	3.67	56	53311	13.680	ug/l	91
32) 1,1,1-Trichloroethane	4.08	97	72297	18.728	ug/l	93
36) 1,1-Dichloropropene	4.27	75	79683	20.806	ug/l	99
37) Ethyl Acetate	4.09	43	31779	20.758	ug/l #	99
38) Carbon Tetrachloride	3.97	117	65667	19.613	ug/l	95

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	89217	21.496	ug/l	97
40) Benzene	4.61	78	184175	21.612	ug/l	99
41) Methacrylonitrile	4.73	41	18782	23.057	ug/l #	85
42) 1,2-Dichloroethane	4.93	62	60203	19.825	ug/l	100
43) Isopropyl Acetate	6.95	43	38901	20.246	ug/l #	97
44) Trichloroethene	5.49	130	59272	22.673	ug/l	95
45) 1,2-Dichloropropane	6.22	63	46198	20.655	ug/l	98
46) Dibromomethane	6.08	93	29262	19.676	ug/l	97
47) Bromodichloromethane	6.38	83	75771	20.592	ug/l	97
48) Methyl methacrylate	6.70	41	25671	19.897	ug/l	94
49) 1,4-Dioxane	6.69	88	3991	401.601	ug/l #	81
51) 4-Methyl-2-Pentanone	8.25	43	150770	106.738	ug/l	99
52) Toluene	7.61	92	119430	21.281	ug/l	99
53) t-1,3-Dichloropropene	8.27	75	60407	20.674	ug/l	98
54) cis-1,3-Dichloropropene	7.29	75	82543	22.600	ug/l	98
55) 1,1,2-Trichloroethane	8.48	97	33912	21.279	ug/l	97
56) Ethyl methacrylate	8.61	69	35783	19.299	ug/l	95
57) 1,3-Dichloropropane	8.84	76	61158	20.474	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.28	63	21576	126.275	ug/l	94
59) 2-Hexanone	9.48	43	118120	119.921	ug/l	93
60) Dibromochloromethane	8.71	129	47269	20.288	ug/l	99
61) 1,2-Dibromoethane	8.97	107	34373	18.841	ug/l	90
64) Tetrachloroethene	8.14	164	48232	20.720	ug/l	94
65) Chlorobenzene	9.79	112	134382	21.348	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.92	131	51916	20.703	ug/l	95
67) Ethyl Benzene	9.89	91	239184	20.797	ug/l	100
68) m/p-Xylenes	10.13	106	179900	43.491	ug/l	99
69) o-Xylene	10.71	106	98109	21.884	ug/l	93
70) Styrene	10.78	104	134455	21.910	ug/l	99
71) Bromoform	10.77	173	23379	20.750	ug/l #	96
73) Isopropylbenzene	11.12	105	285287	22.733	ug/l	98
74) N-amyl acetate	11.37	43	69872	23.546	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.68	83	47017	21.031	ug/l	99
76) 1,2,3-Trichloropropane	11.79	75	33642	20.943	ug/l	87
77) Bromobenzene	11.49	156	54818	20.684	ug/l	86
78) n-propylbenzene	11.59	91	349370	21.422	ug/l	97
79) 2-Chlorotoluene	11.71	91	189689	21.785	ug/l	96
80) 1,3,5-Trimethylbenzene	11.82	105	230967	22.806	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.86	75	20851	29.859	ug/l	93
82) 4-Chlorotoluene	11.89	91	192214	21.876	ug/l	100
83) tert-Butylbenzene	12.13	119	232259	22.158	ug/l	97
84) 1,2,4-Trimethylbenzene	12.20	105	222528	21.332	ug/l	94
85) sec-Butylbenzene	12.30	105	330764	23.236	ug/l	93
86) p-Isopropyltoluene	12.45	119	268532	22.980	ug/l	99
87) 1,3-Dichlorobenzene	12.46	146	112559	20.218	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	107395	21.444	ug/l	94
89) n-Butylbenzene	12.84	91	290495	24.105	ug/l	95
90) Hexachloroethane	12.91	117	62590	22.722	ug/l	82
91) 1,2-Dichlorobenzene	12.94	146	104711	21.120	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.64	75	6927	17.469	ug/l	82

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Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration

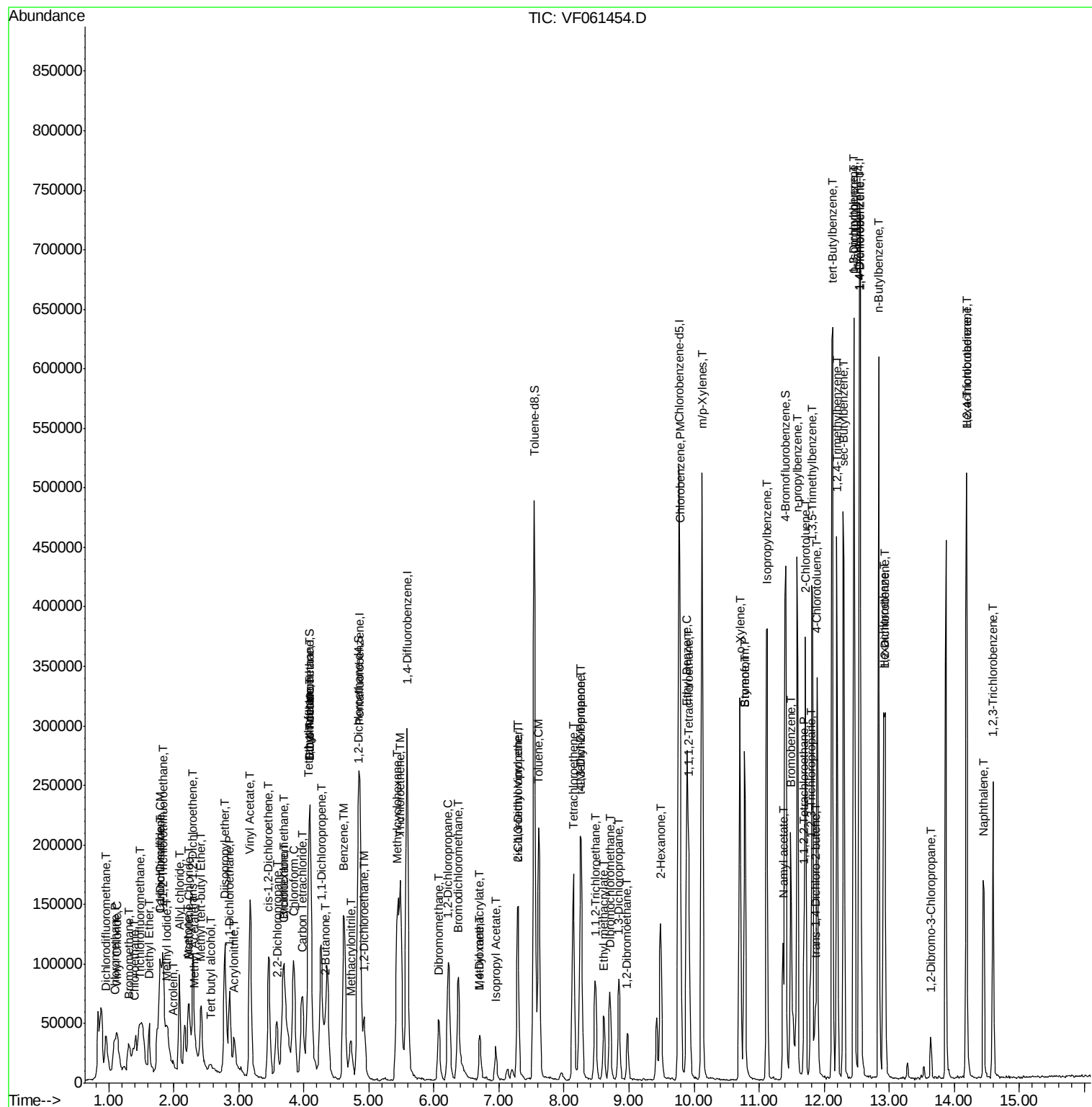
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	72558	20.891	ug/l	95
94) Hexachlorobutadiene	14.19	225	45891	21.294	ug/l	96
95) Naphthalene	14.46	128	124299	18.837	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	63515	19.756	ug/l	98

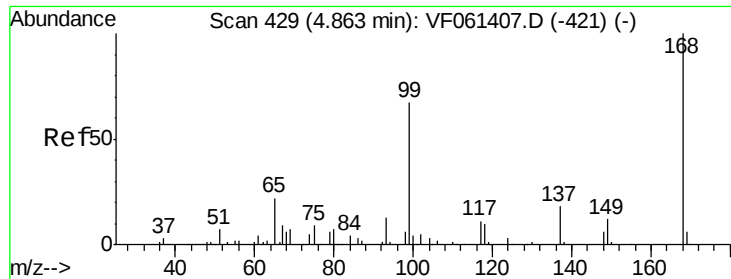
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF011819\
 Data File : VF061454.D
 Acq On : 18 Jan 2019 12:42
 Operator : VA/AP
 Sample : VF0118SBS01
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 ALS Vial : 4 Sample Multiplier: 1

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

ClientSampleId :

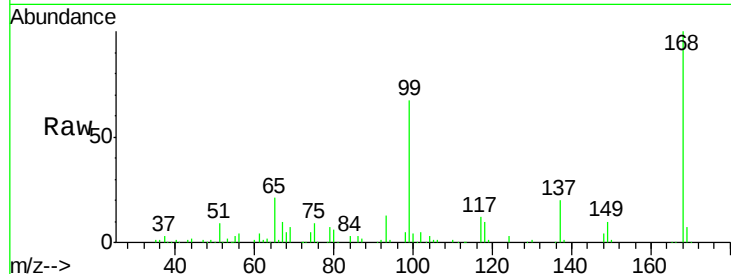
VF0118SBS01

Tot Ion:168 Resp: 196389

Ion Ratio Lower Upper

168 100

99 66.8 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

60000

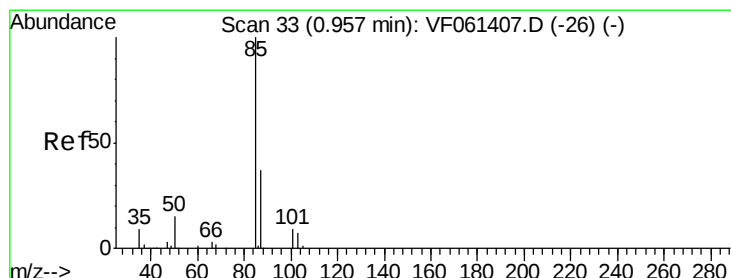
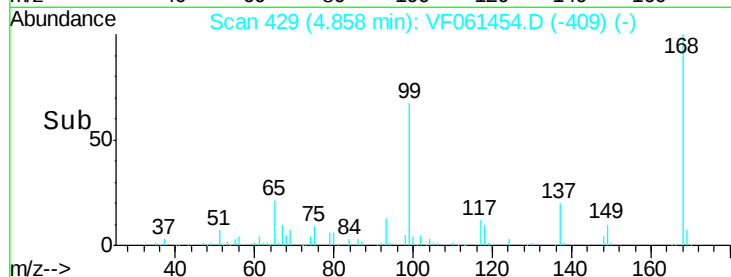
40000

20000

0

Time-->

4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 18.703 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF061454.D

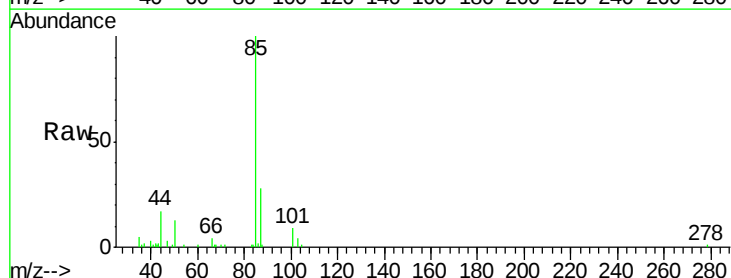
Acq: 18 Jan 2019 12:42

Tgt Ion: 85 Resp: 72170

Ion Ratio Lower Upper

85 100

87 28.2 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

20000

15000

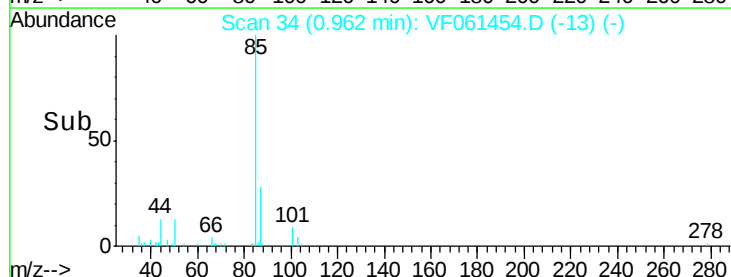
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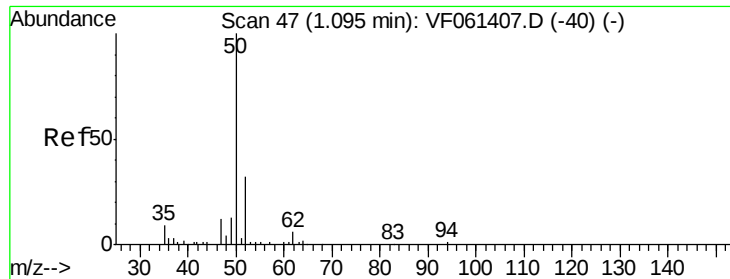
5000

0

Time-->

0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 19.734 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

ClientSampleId :

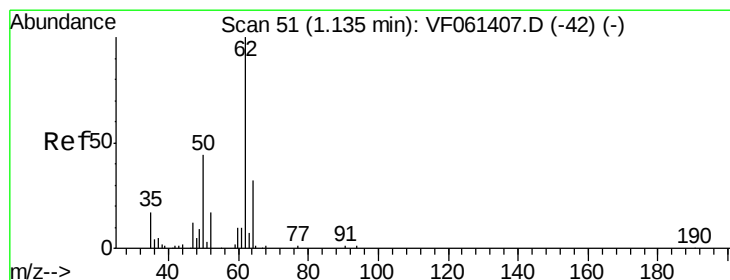
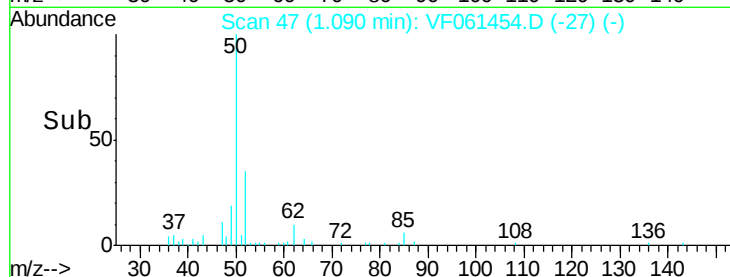
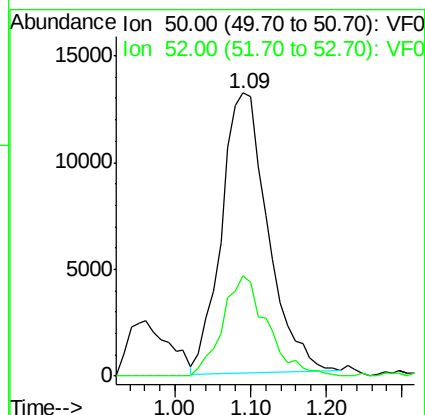
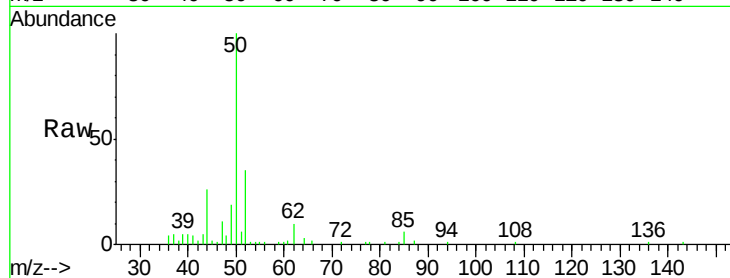
VF0118SBS01

Tot Ion: 50 Resp: 55836

Ion Ratio Lower Upper

50 100

52 35.2 24.6 36.8



#4

Vinyl Chloride

Concen: 20.138 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF061454.D

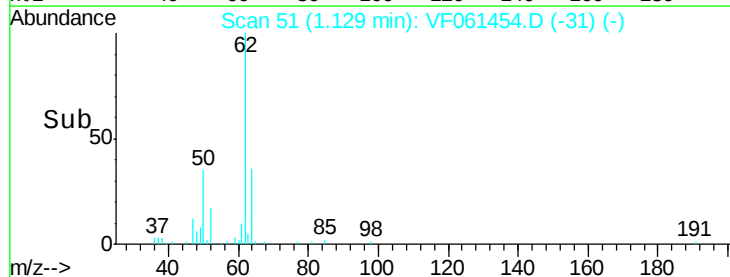
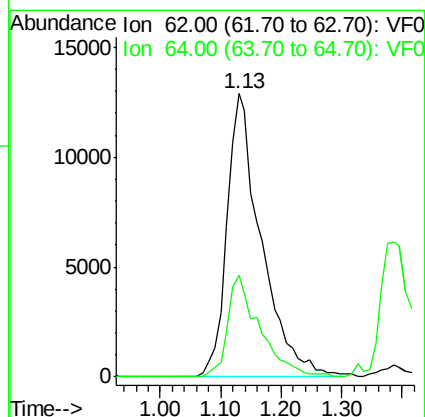
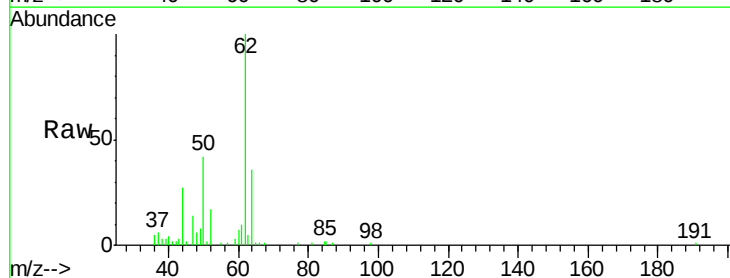
Acq: 18 Jan 2019 12:42

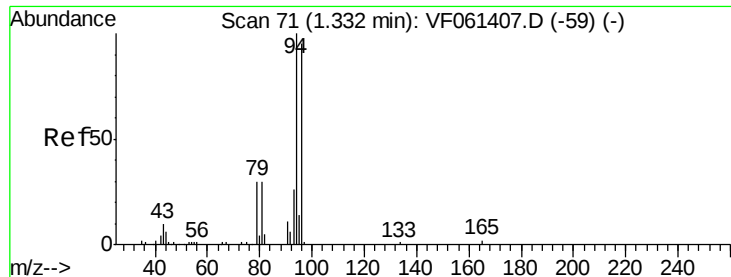
Tgt Ion: 62 Resp: 50684

Ion Ratio Lower Upper

62 100

64 35.8 25.6 38.4





#5

Bromomethane

Concen: 18.563 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.03 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

ClientSampleId :

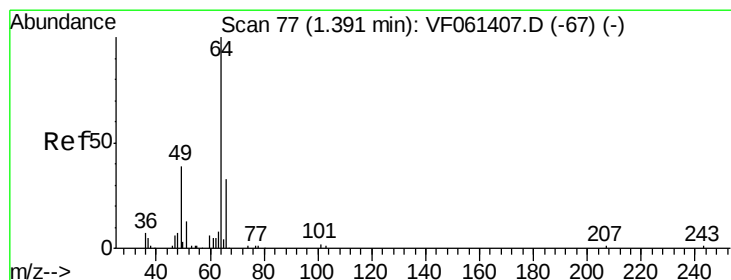
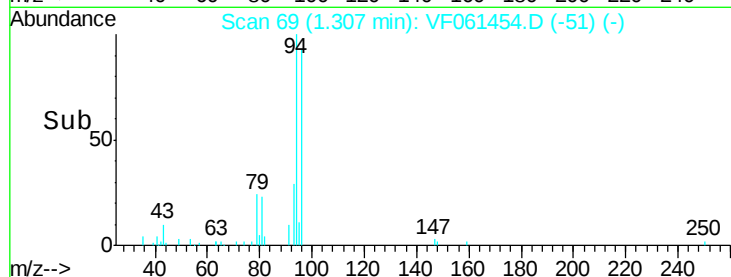
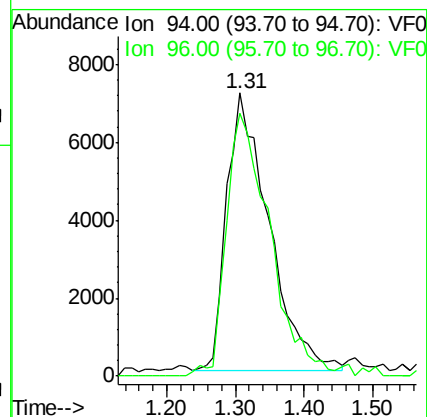
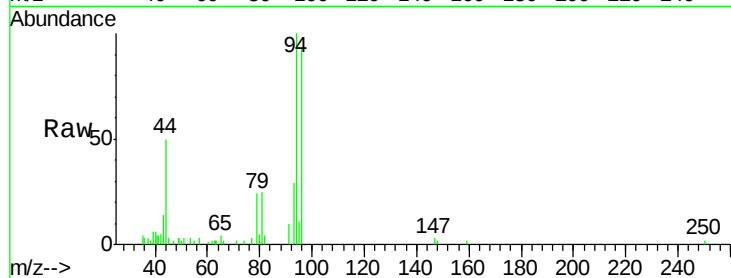
VF0118SBS01

Tot Ion: 94 Resp: 30466

Ion Ratio Lower Upper

94 100

96 92.8 76.0 114.0



#6

Chloroethane

Concen: 19.299 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.01 min

Lab File: VF061454.D

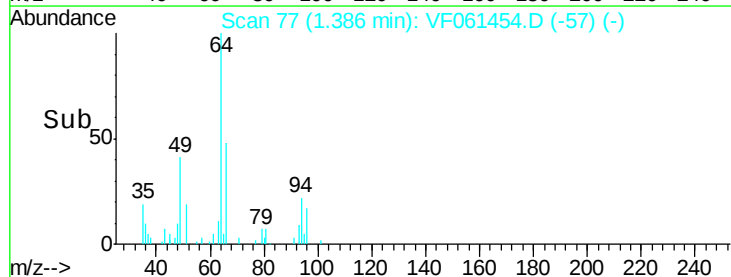
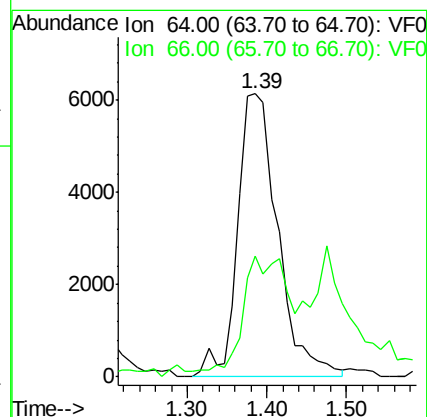
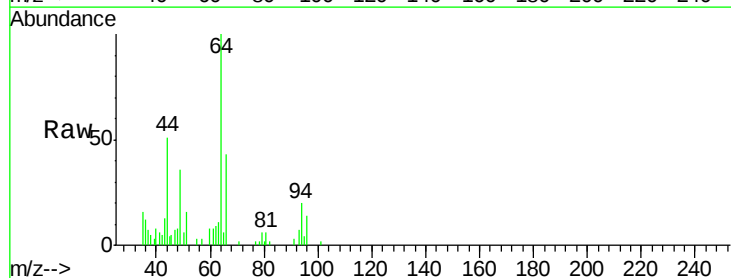
Acq: 18 Jan 2019 12:42

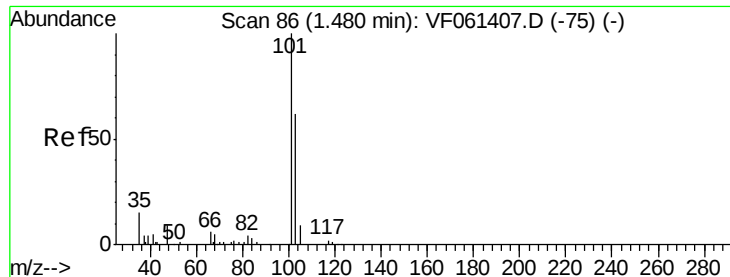
Tgt Ion: 64 Resp: 21523

Ion Ratio Lower Upper

64 100

66 42.6 26.6 40.0#



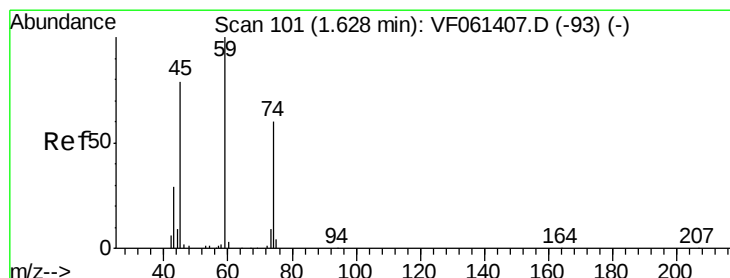
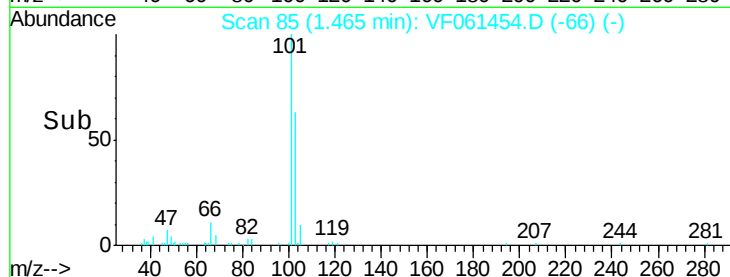
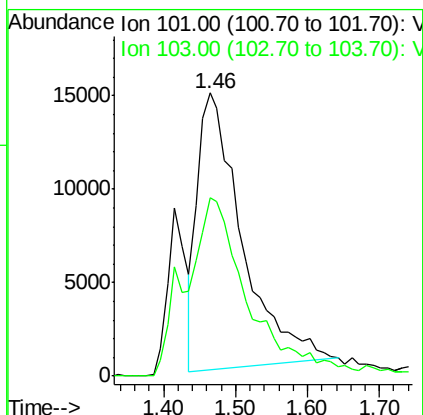
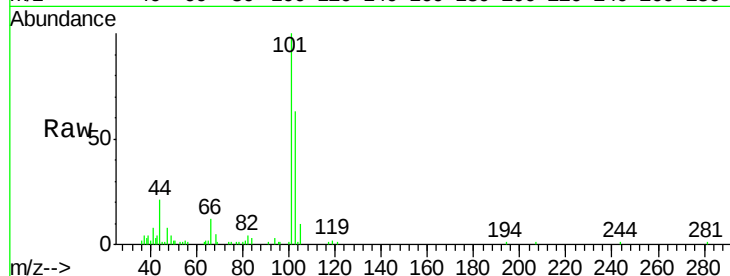


#7

Trichlorofluoromethane
 Concen: 12.939 ug/l
 RT: 1.46 min Scan# 85
 Delta R.T. -0.02 min
 Lab File: VF061454.D
 Acq: 18 Jan 2019 12:42

Instrument :
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 VF0118SBS01

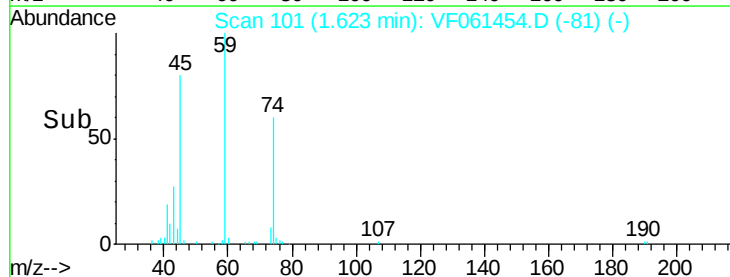
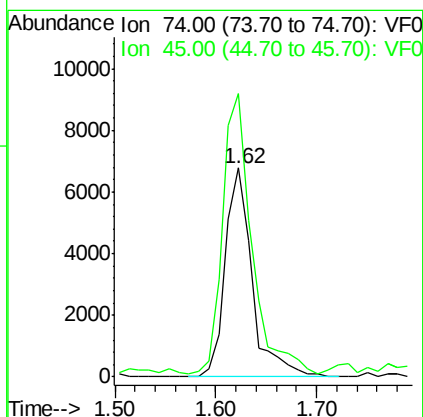
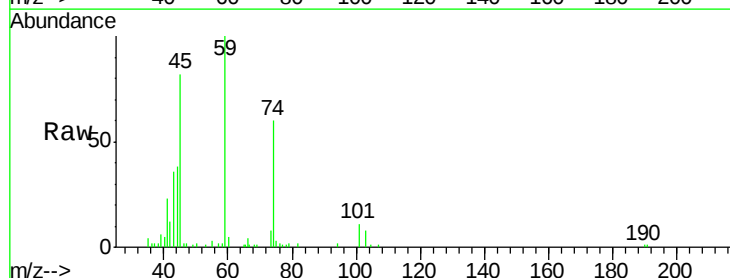
Tot Ion:101 Resp: 63309
 Ion Ratio Lower Upper
 101 100
 103 63.0 49.7 74.5

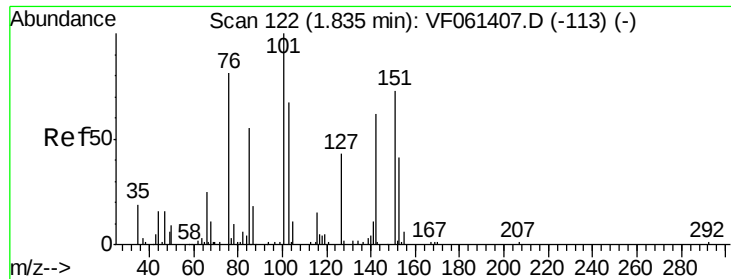


#8

Diethyl Ether
 Concen: 20.091 ug/l
 RT: 1.62 min Scan# 101
 Delta R.T. -0.01 min
 Lab File: VF061454.D
 Acq: 18 Jan 2019 12:42

Tgt Ion: 74 Resp: 12596
 Ion Ratio Lower Upper
 74 100
 45 135.5 65.8 197.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.258 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

ClientSampleId :

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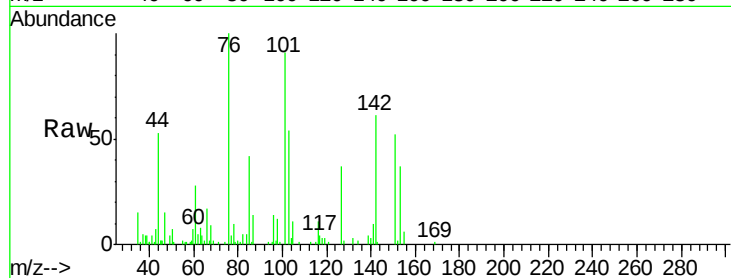
Tot Ion:101 Resp: 45276

Ion Ratio Lower Upper

101 100

85 45.7 41.9 62.9

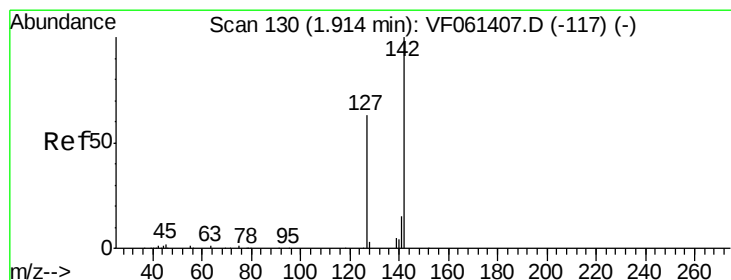
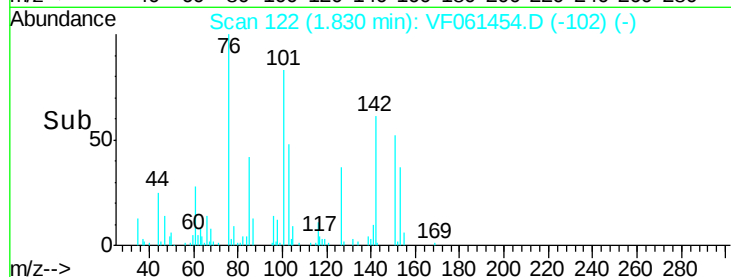
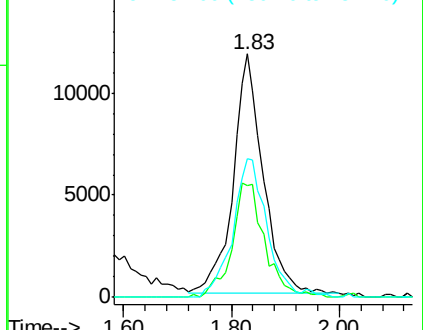
151 57.0 55.1 82.7



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: 14.648 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.02 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

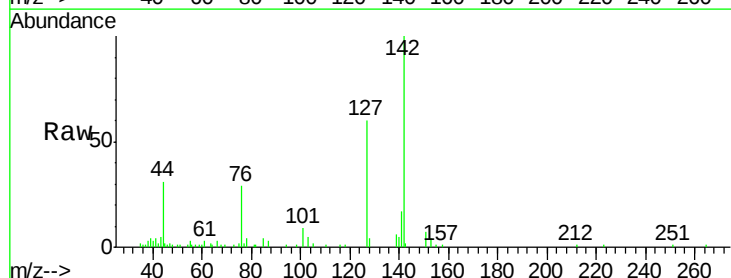
Tgt Ion:142 Resp: 53388

Ion Ratio Lower Upper

142 100

127 60.4 50.7 76.1

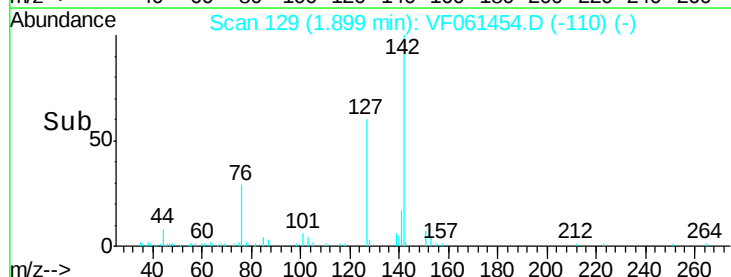
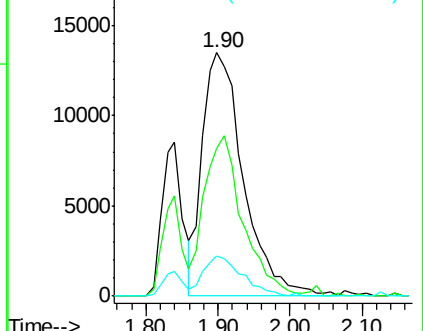
141 16.7 11.8 17.6

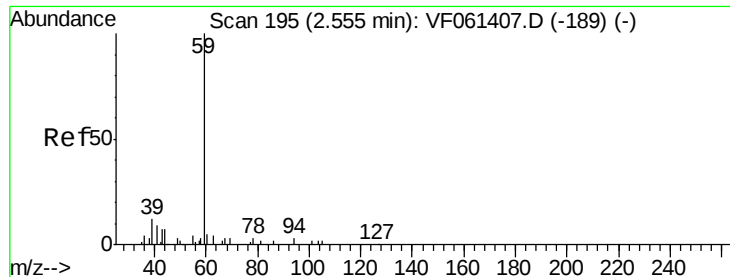


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



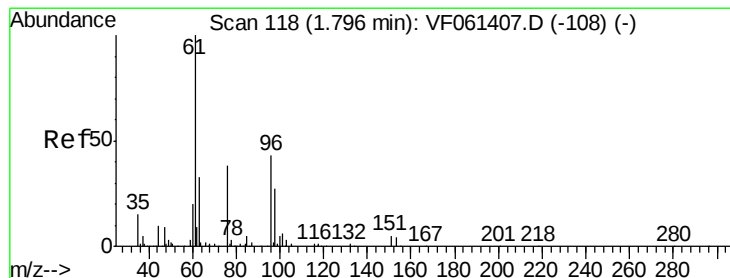
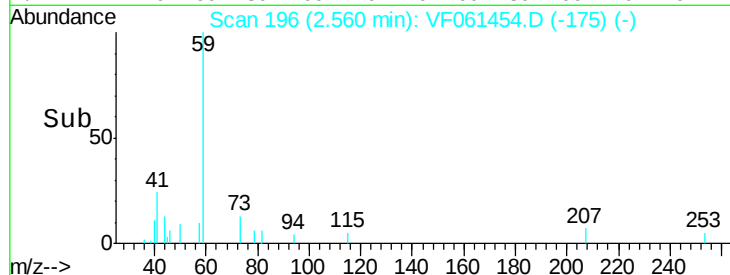
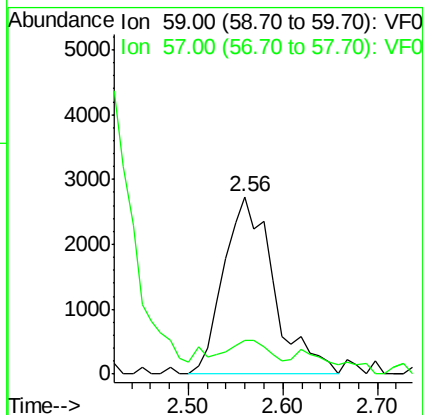
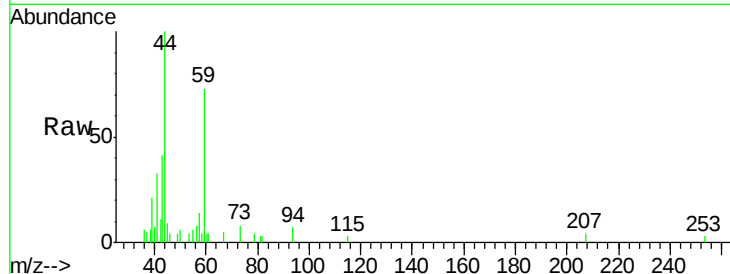


#11

Tert butyl alcohol
 Concen: 97.796 ug/l
 RT: 2.56 min Scan# 196
 Delta R.T. 0.00 min
 Lab File: VF061454.D
 Acq: 18 Jan 2019 12:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0118SBS01

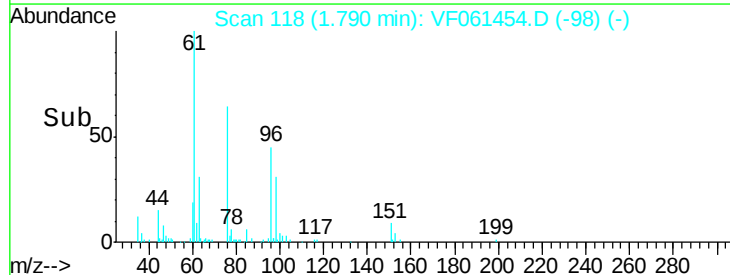
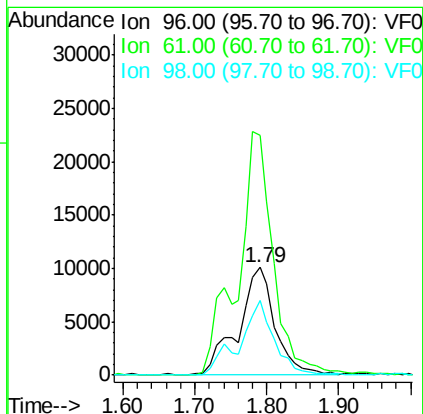
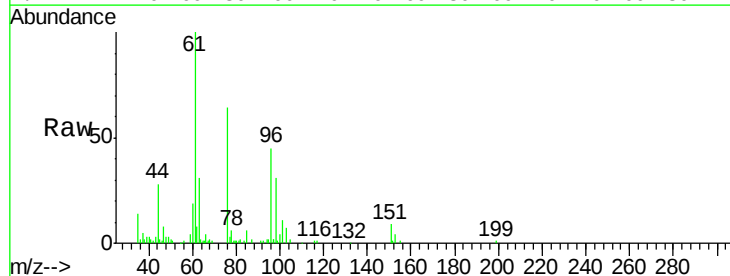
Tot Ion: 59 Resp: 10037
 Ion Ratio Lower Upper
 59 100
 57 19.1 11.9 17.9#

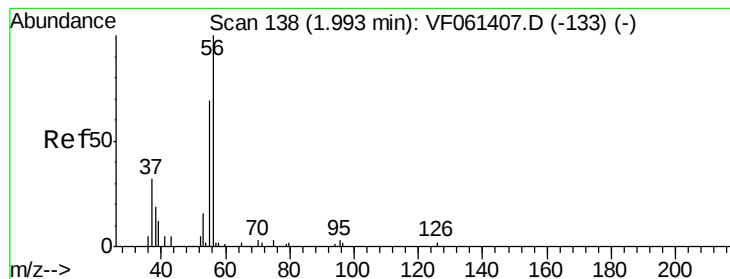


#12

1,1-Dichloroethene
 Concen: 20.700 ug/l
 RT: 1.79 min Scan# 118
 Delta R.T. -0.01 min
 Lab File: VF061454.D
 Acq: 18 Jan 2019 12:42

Tgt Ion: 96 Resp: 36157
 Ion Ratio Lower Upper
 96 100
 61 222.7 186.9 280.3
 98 69.1 53.0 79.4





#13

Acrolein

Concen: 64.244 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.00 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

ClientSampleId :

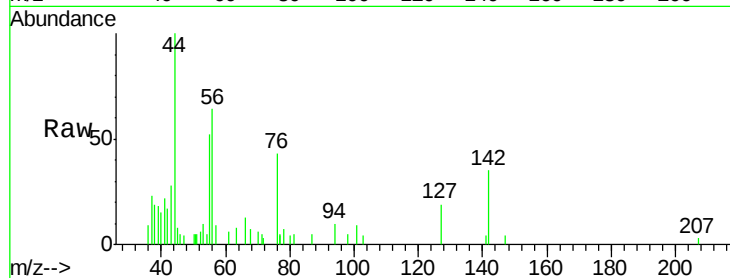
VF0118SBS01

Tot Ion: 56 Resp: 4971

Ion Ratio Lower Upper

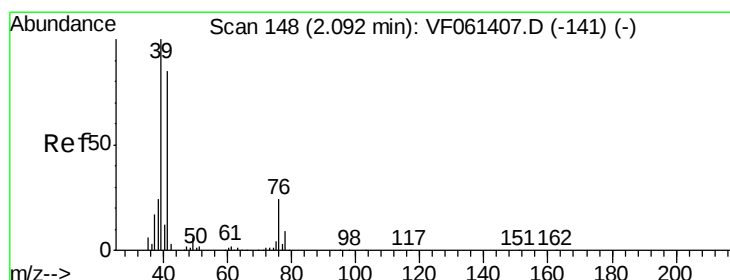
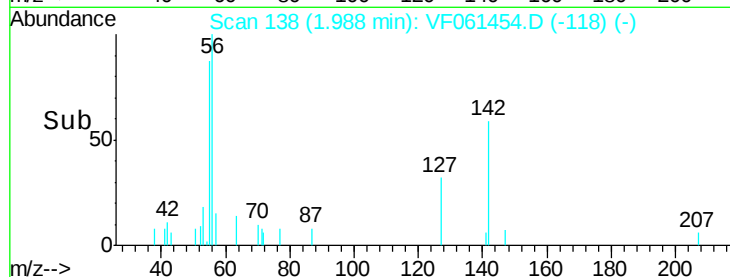
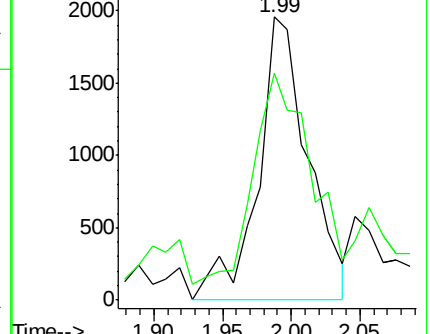
56 100

55 80.4 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 23.024 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

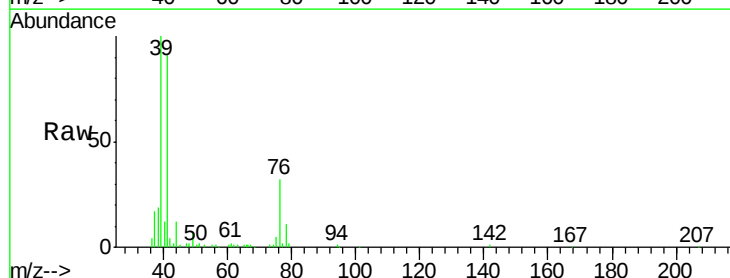
Tgt Ion: 41 Resp: 48798

Ion Ratio Lower Upper

41 100

39 110.0 94.6 141.8

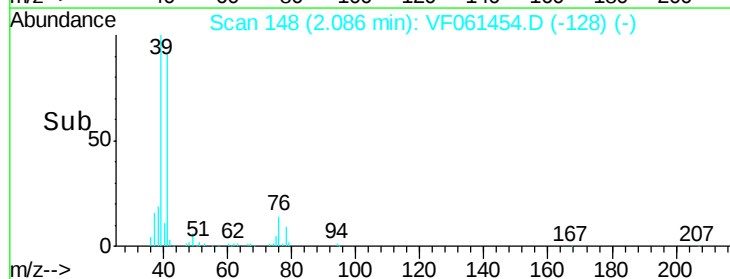
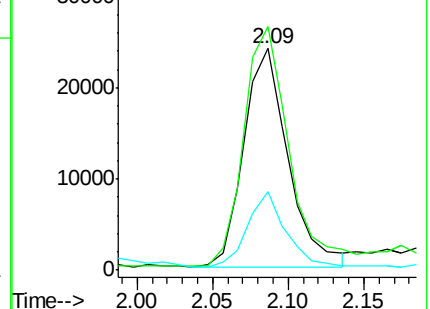
76 35.3 25.9 38.9

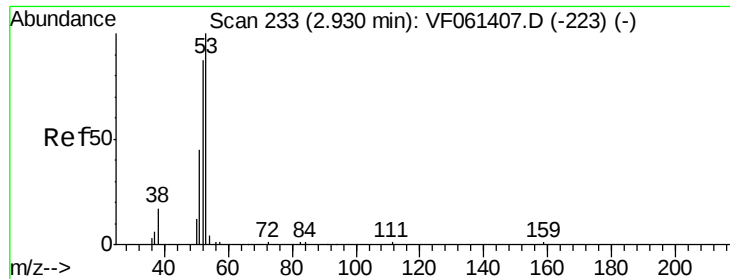


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 107.398 ug/l

RT: 2.92 min Scan# 233

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0118SBS01

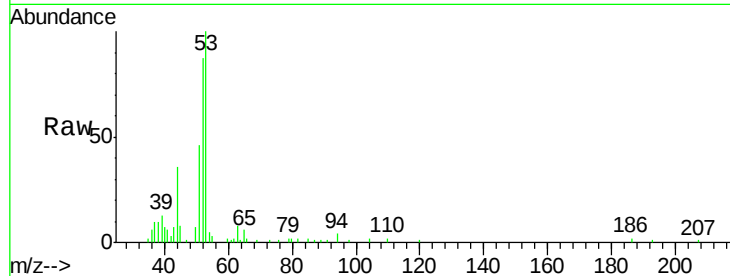
Tot Ion: 53 Resp: 28234

Ion Ratio Lower Upper

53 100

52 87.4 69.6 104.4

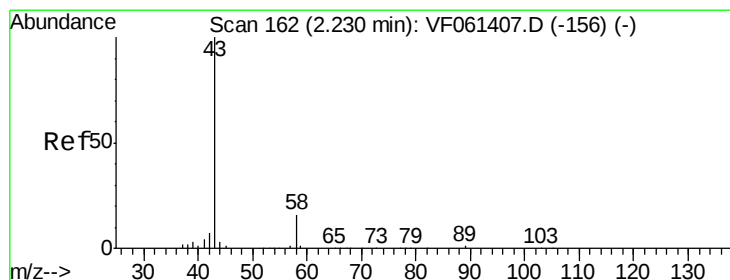
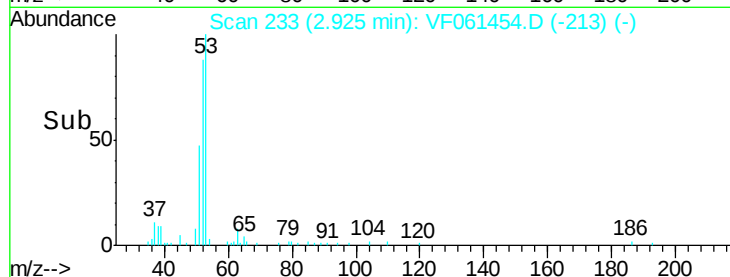
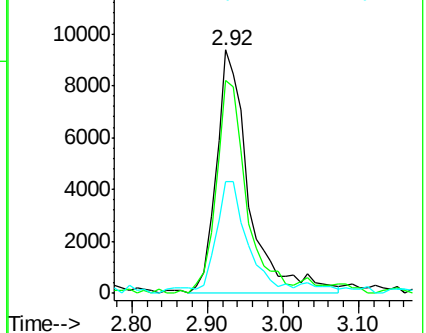
51 46.2 36.8 55.2



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: 115.185 ug/l

RT: 2.22 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061454.D

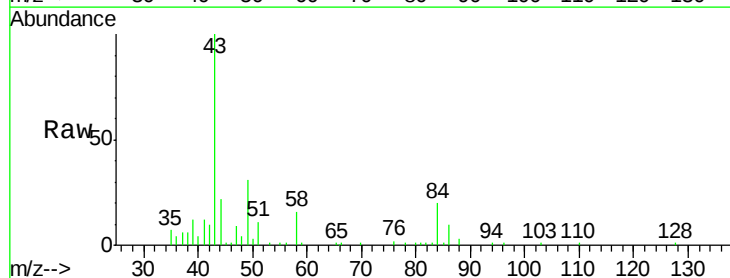
Acq: 18 Jan 2019 12:42

Tgt Ion: 43 Resp: 56028

Ion Ratio Lower Upper

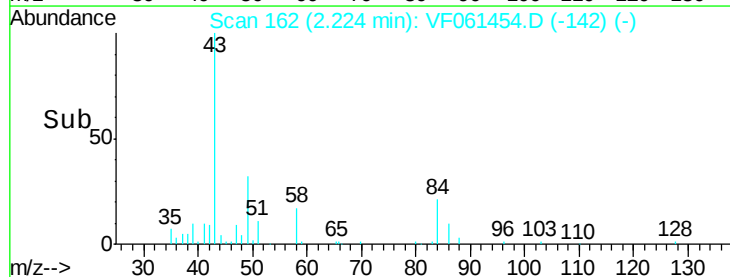
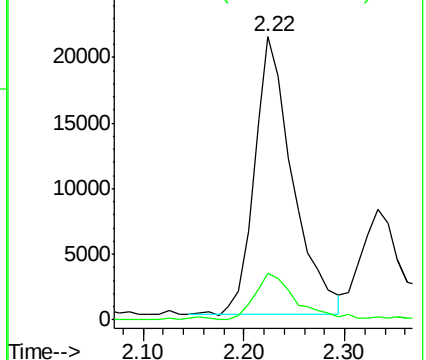
43 100

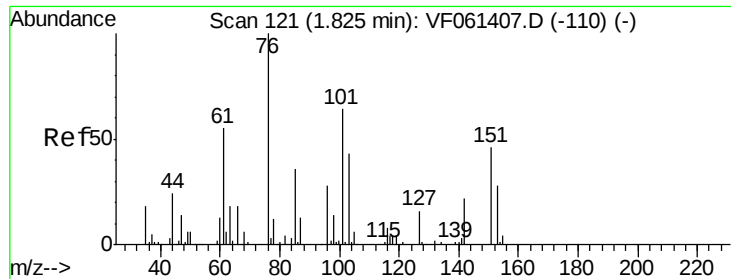
58 16.4 13.3 19.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

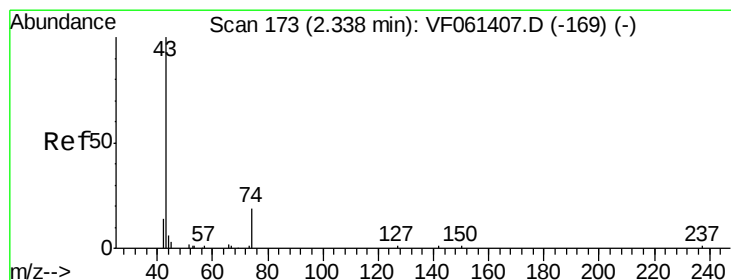
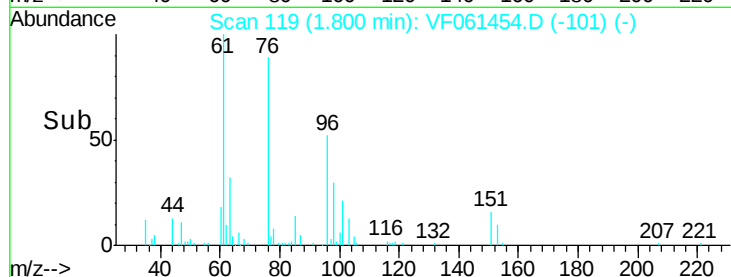
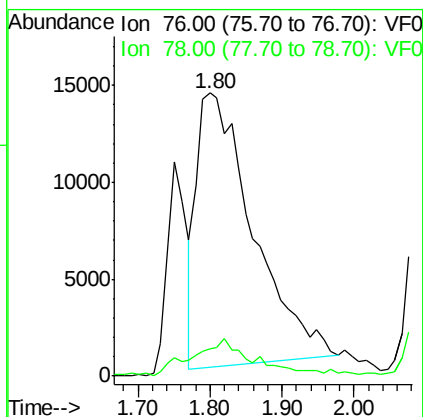
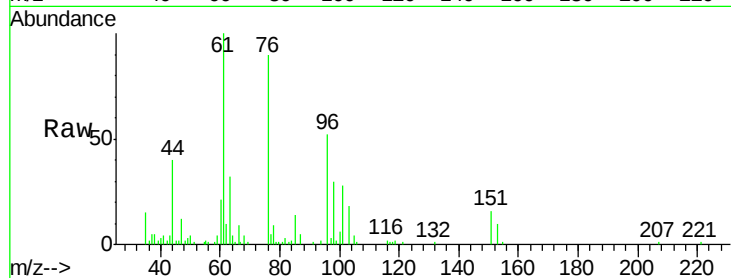




#17
Carbon Disulfide
Concen: 14.056 ug/l
RT: 1.80 min Scan# 119
Delta R.T. -0.03 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

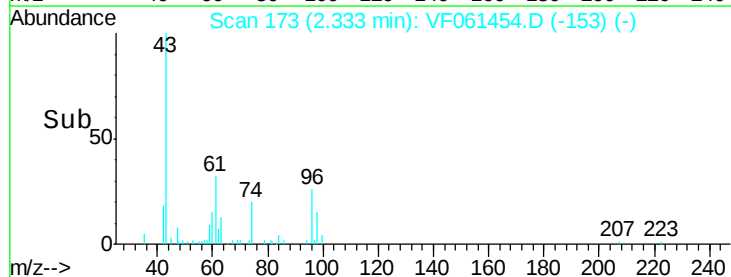
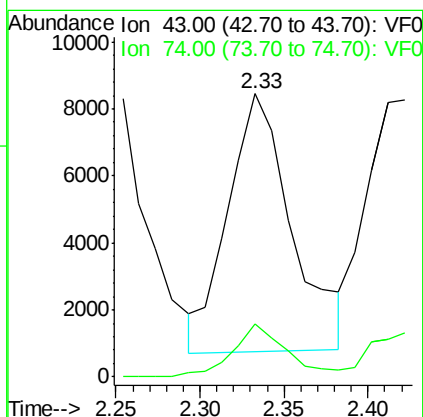
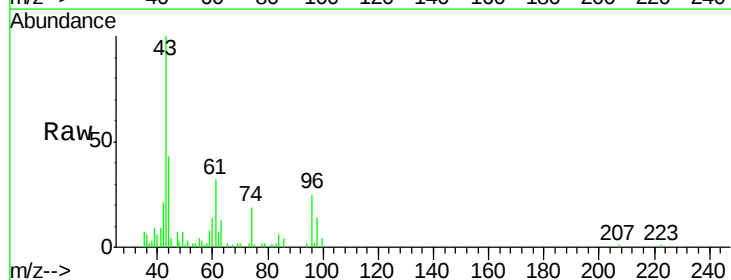
Instrument :
MSVOA_F
ClientSampleId :
VF0118SBS01

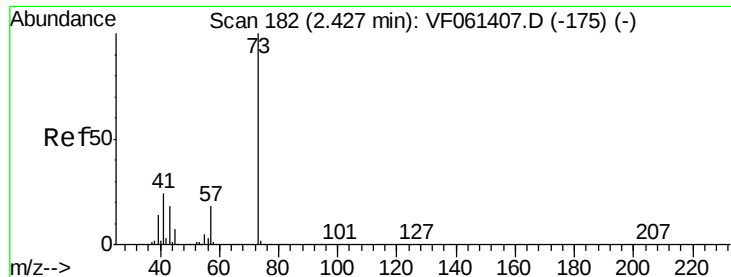
Tot Ion: 76 Resp: 76552
Ion Ratio Lower Upper
76 100
78 9.8 9.6 14.4



#18
Methyl Acetate
Concen: 21.104 ug/l
RT: 2.33 min Scan# 173
Delta R.T. -0.01 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Tgt Ion: 43 Resp: 20358
Ion Ratio Lower Upper
43 100
74 18.5 13.4 20.0

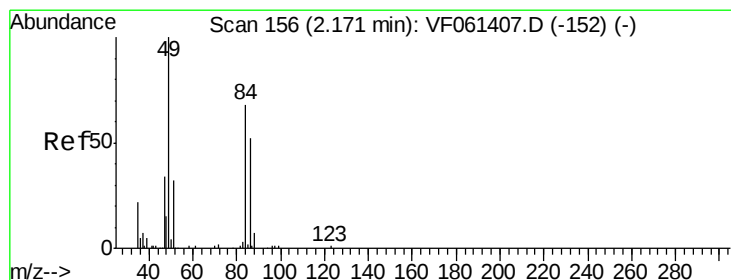
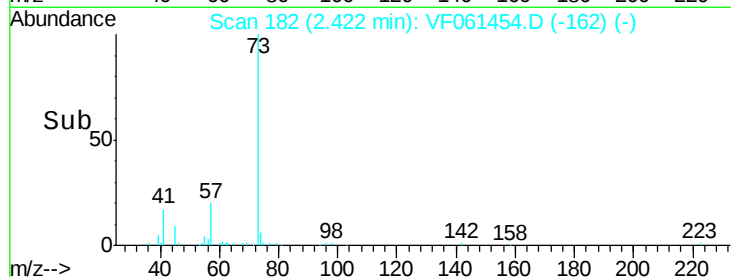
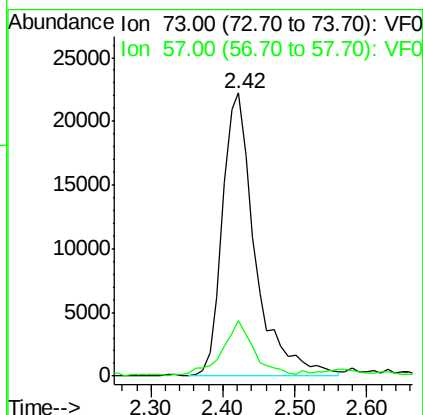
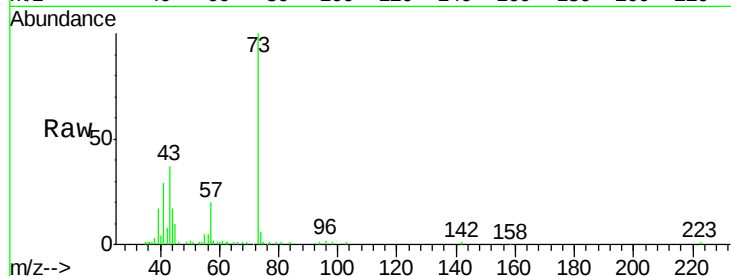




#19
Methyl tert-butyl Ether
Concen: 17.951 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

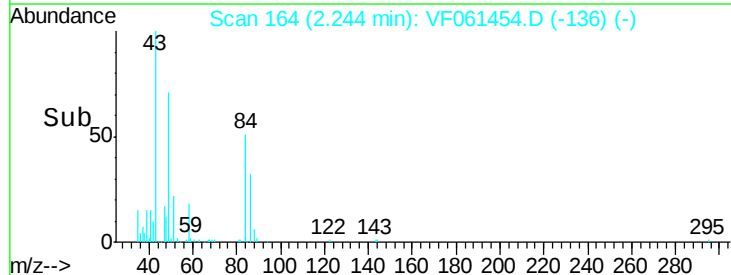
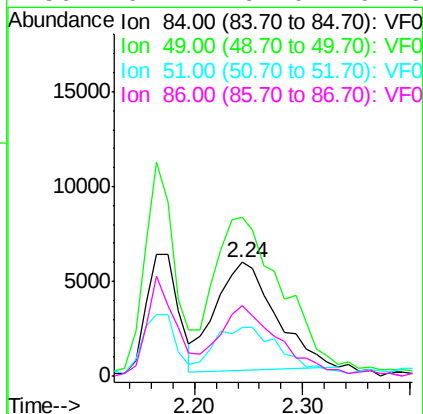
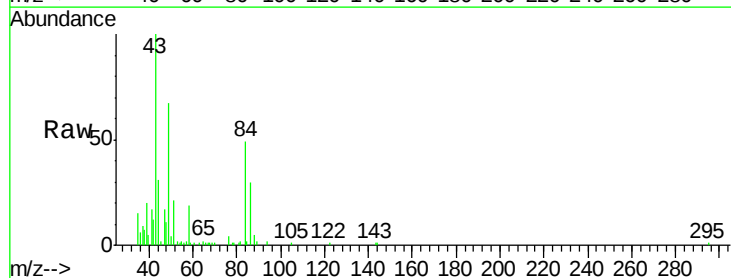
Instrument :
MSVOA_F
ClientSampleId :
VF0118SBS01

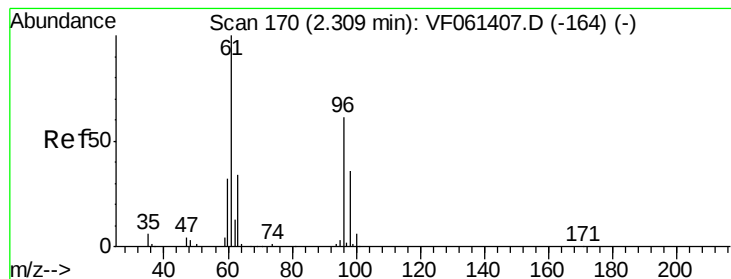
Tot Ion: 73 Resp: 70287
Ion Ratio Lower Upper
73 100
57 19.6 14.8 22.2



#20
Methylene Chloride
Concen: 11.999 ug/l
RT: 2.24 min Scan# 164
Delta R.T. 0.07 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Tgt Ion: 84 Resp: 22017
Ion Ratio Lower Upper
84 100
49 139.1 120.0 180.0
51 42.9 38.6 58.0
86 62.1 61.0 91.6





#21

trans-1,2-Dichloroethene

Concen: 18.844 ug/l

RT: 2.29 min Scan# 169

Delta R.T. -0.02 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0118SBS01

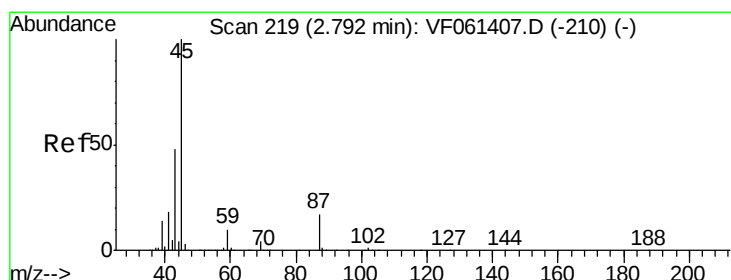
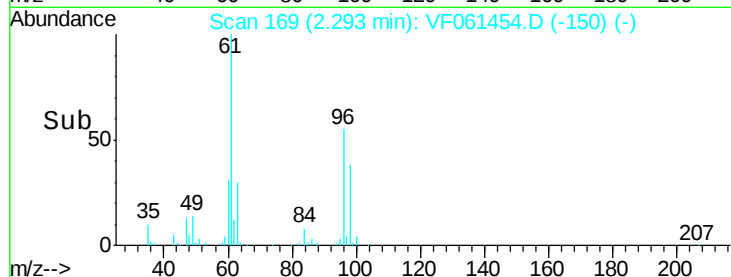
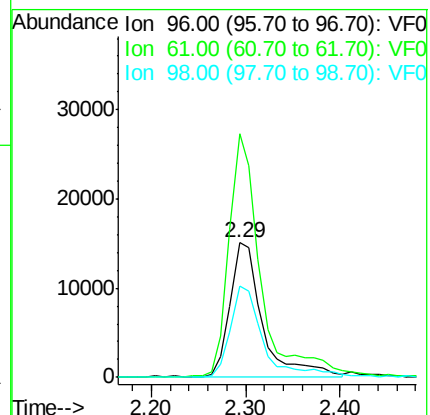
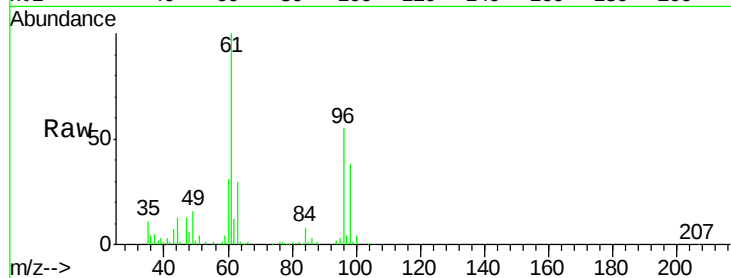
Tot Ion: 96 Resp: 36214

Ion Ratio Lower Upper

96 100

61 180.9 131.8 197.8

98 68.2 47.4 71.0



#22

Diisopropyl ether

Concen: 21.356 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Tgt Ion: 45 Resp: 132745

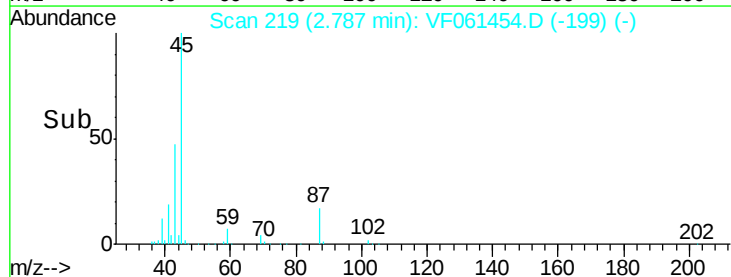
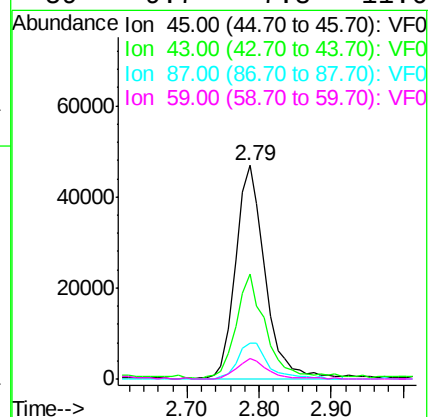
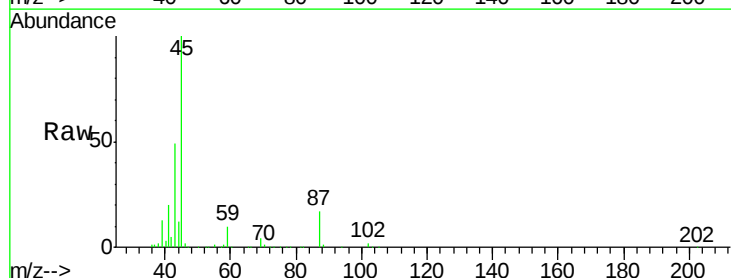
Ion Ratio Lower Upper

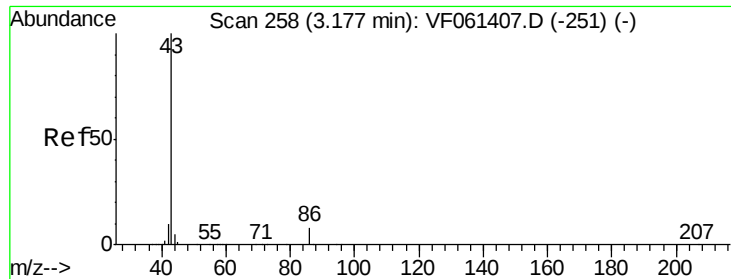
45 100

43 49.1 39.0 58.6

87 16.7 13.9 20.9

59 9.7 7.8 11.6





#23

Vinyl Acetate

Concen: 111.921 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.00 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

ClientSampled :

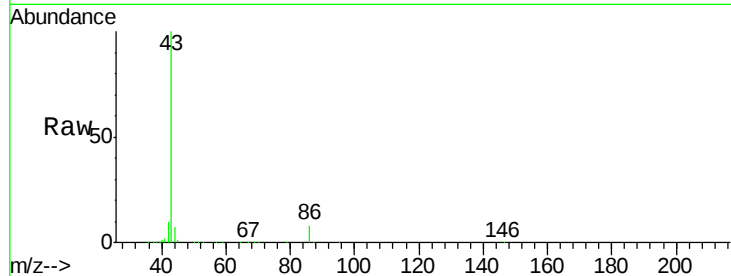
VF0118SBS01

Tot Ion: 43 Resp: 301111

Ion Ratio Lower Upper

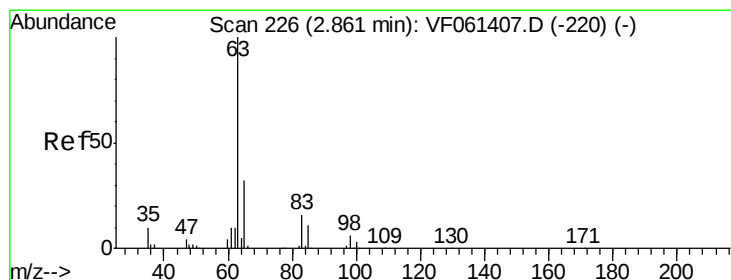
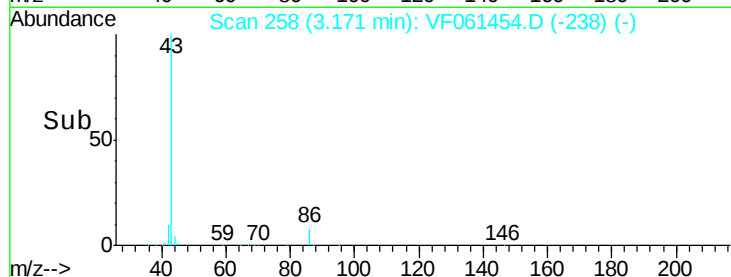
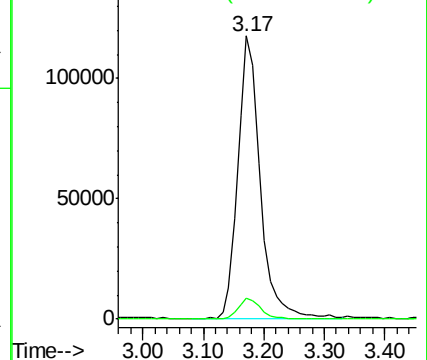
43 100

86 7.6 6.2 9.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 19.381 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

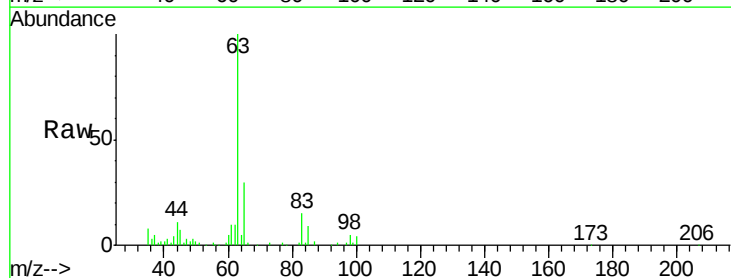
Tgt Ion: 63 Resp: 75611

Ion Ratio Lower Upper

63 100

98 5.4 2.9 8.8

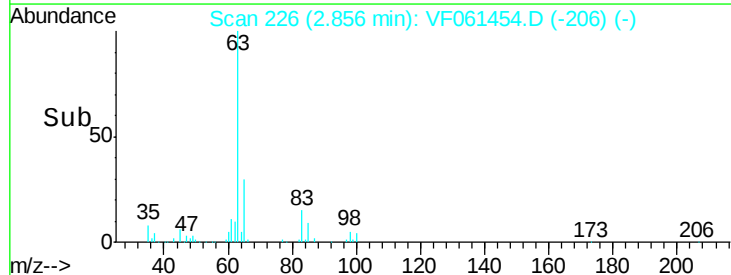
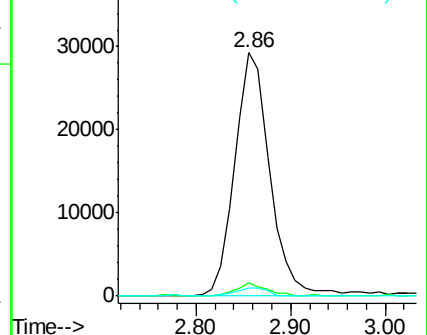
100 3.5 1.6 4.8

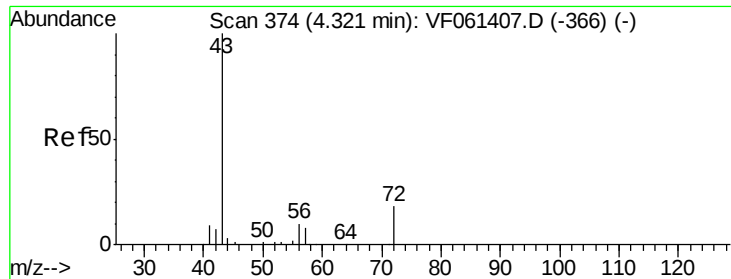


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 107.672 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

ClientSampleId :

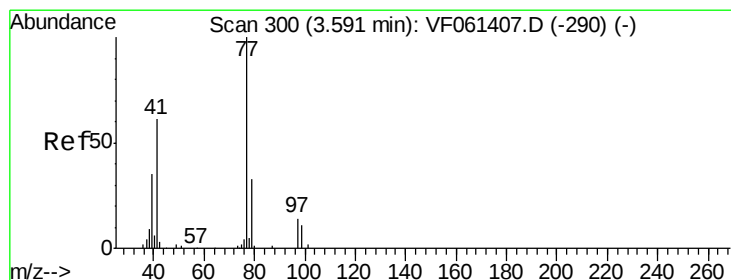
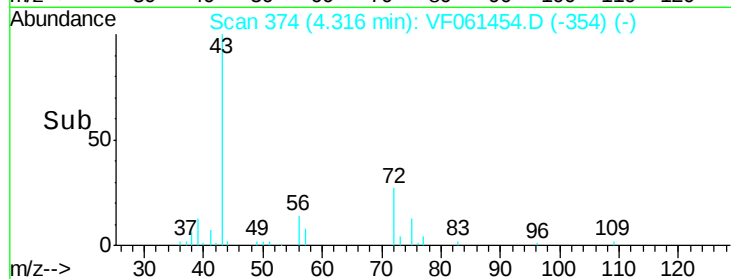
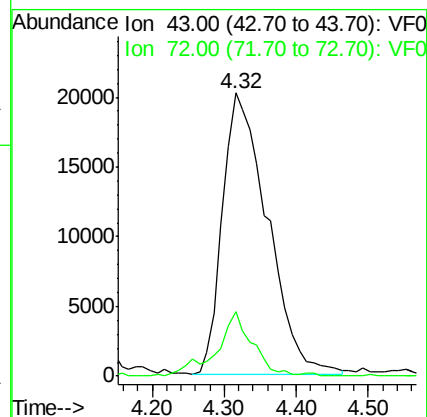
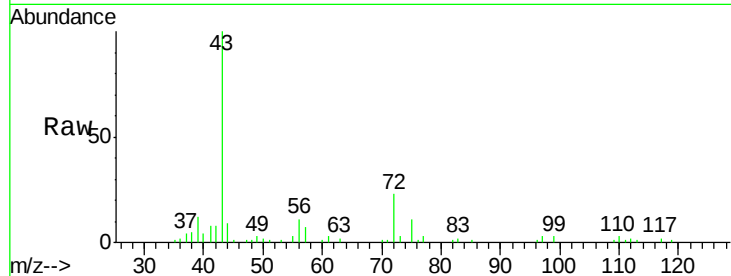
VF0118SBS01

Tot Ion: 43 Resp: 87095

Ion Ratio Lower Upper

43 100

72 22.7 15.8 23.6



#26

2,2-Dichloropropane

Concen: 19.429 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.00 min

Lab File: VF061454.D

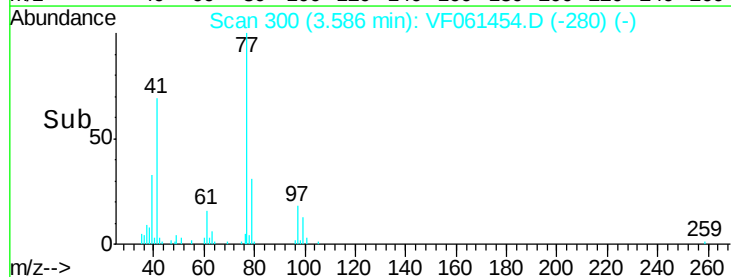
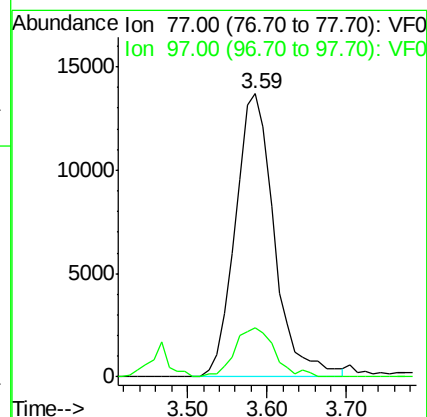
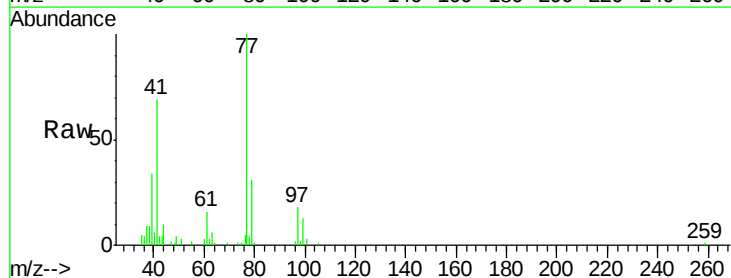
Acq: 18 Jan 2019 12:42

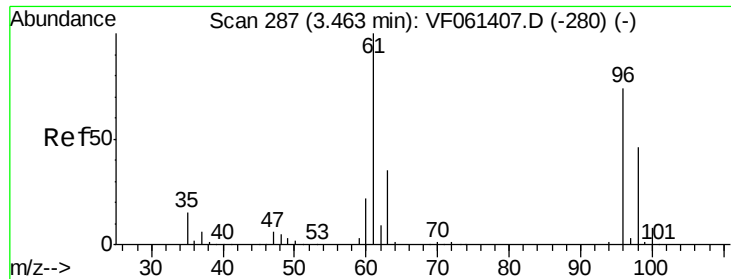
Tgt Ion: 77 Resp: 46569

Ion Ratio Lower Upper

77 100

97 17.6 8.5 25.5



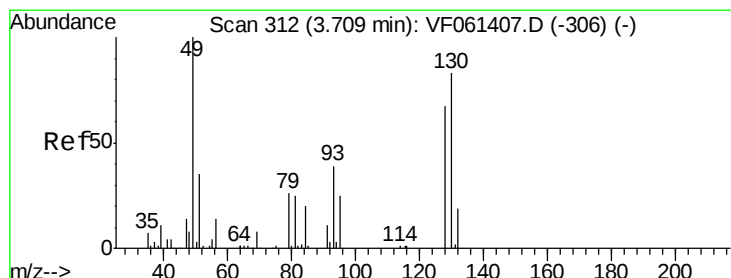
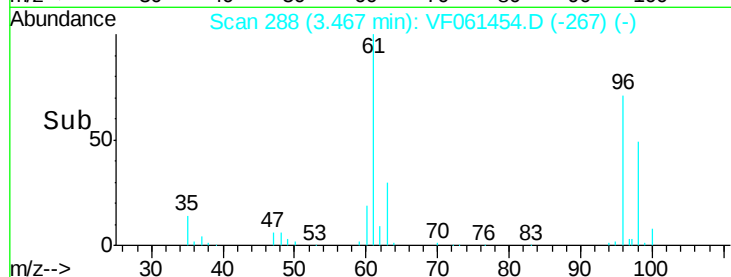
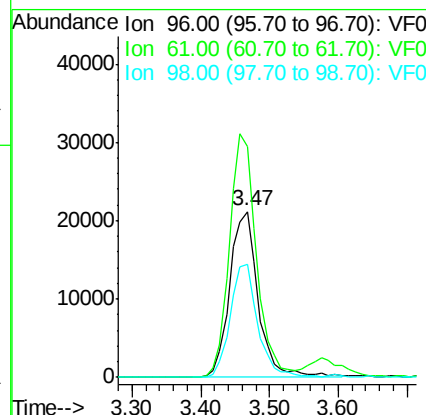
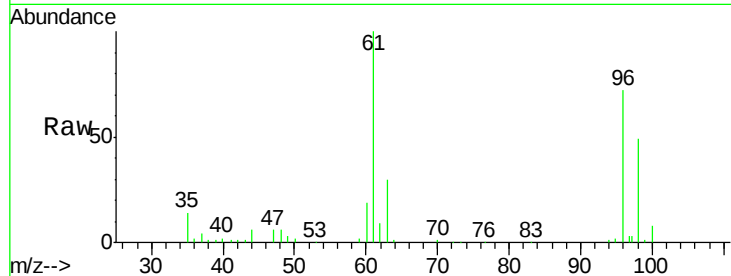


#27

cis-1,2-Dichloroethene
Concen: 21.373 ug/l
RT: 3.47 min Scan# 288
Delta R.T. 0.00 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Instrument :
MSVOA_F
ClientSampleId :
VF0118SBS01

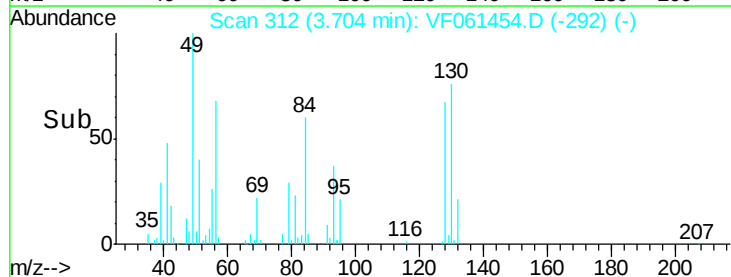
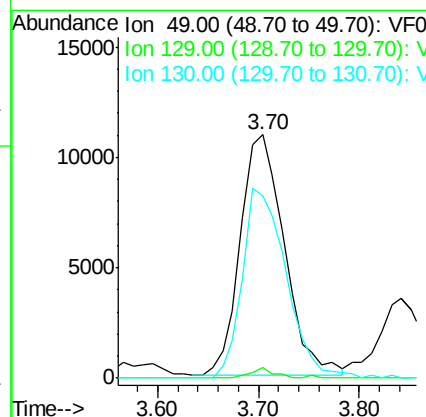
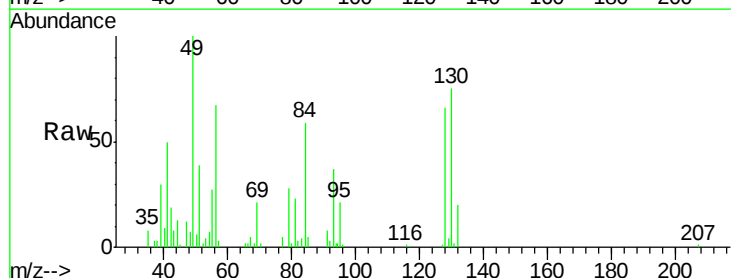
Tot Ion: 96 Resp: 60632
Ion Ratio Lower Upper
96 100
61 139.1 0.0 270.2
98 68.4 0.0 124.0

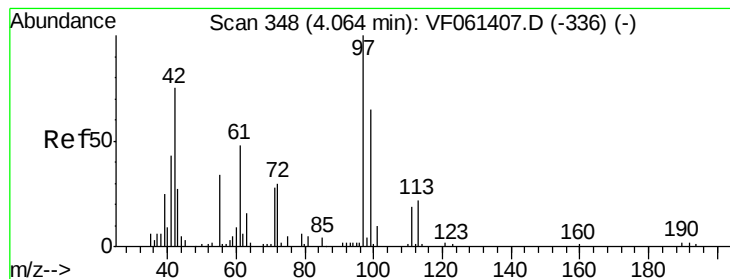


#28

Bromochloromethane
Concen: 18.921 ug/l
RT: 3.70 min Scan# 312
Delta R.T. -0.01 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Tgt Ion: 49 Resp: 33180
Ion Ratio Lower Upper
49 100
129 4.4 0.0 0.0#
130 74.8 65.4 98.2





#29

Tetrahydrofuran

Concen: 100.401 ug/l

RT: 4.07 min Scan# 349

Delta R.T. 0.00 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0118SBS01

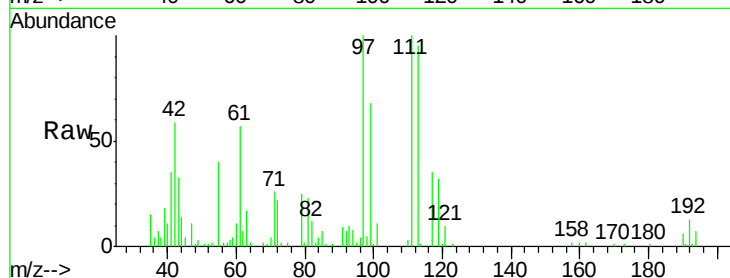
Tot Ion: 42 Resp: 34970

Ion Ratio Lower Upper

42 100

72 38.8 28.9 43.3

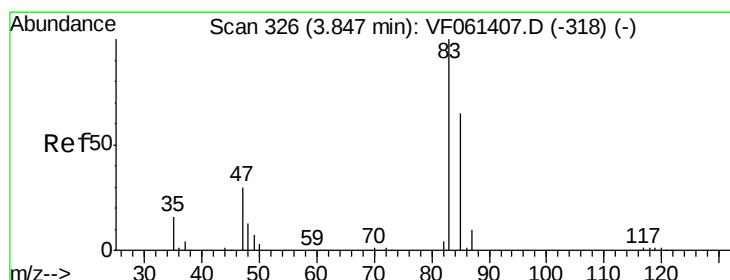
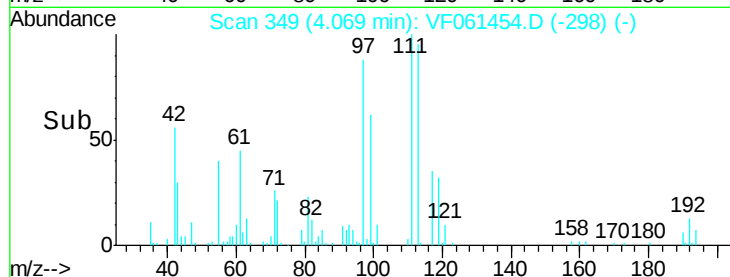
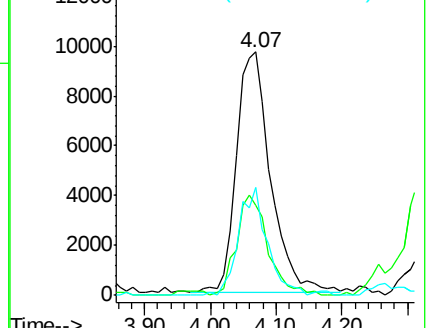
71 37.9 29.6 44.4



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 19.891 ug/l

RT: 3.84 min Scan# 326

Delta R.T. -0.01 min

Lab File: VF061454.D

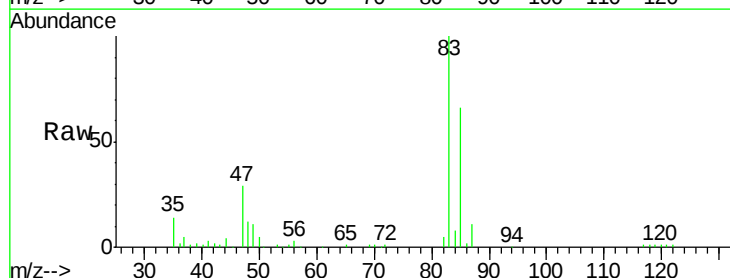
Acq: 18 Jan 2019 12:42

Tgt Ion: 83 Resp: 104726

Ion Ratio Lower Upper

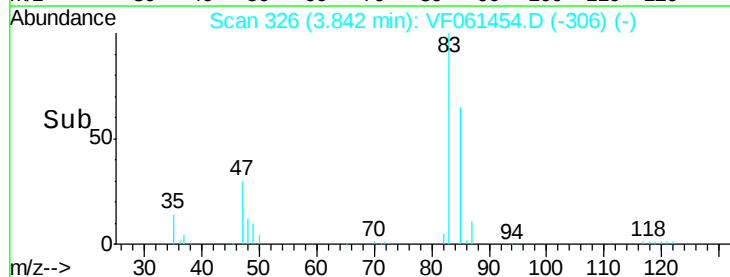
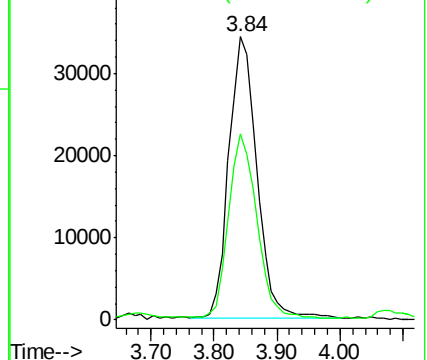
83 100

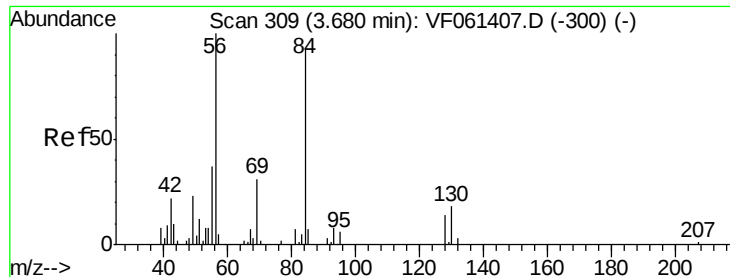
85 65.8 52.7 79.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

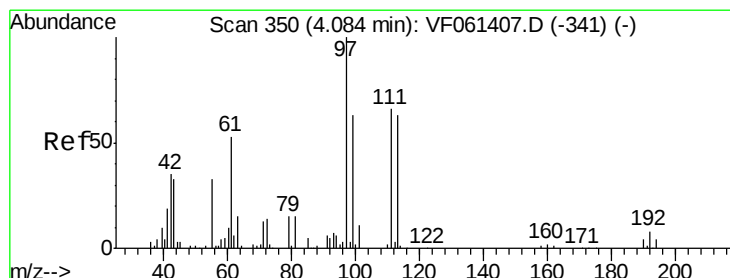
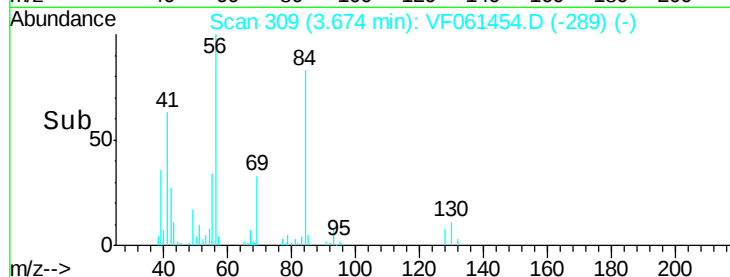
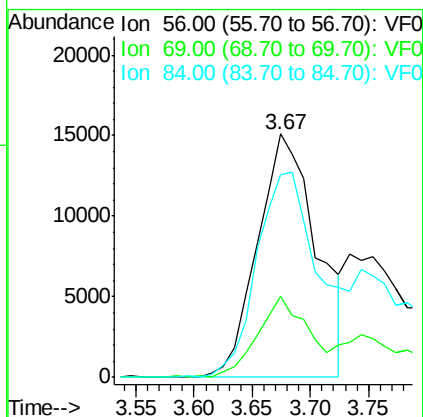
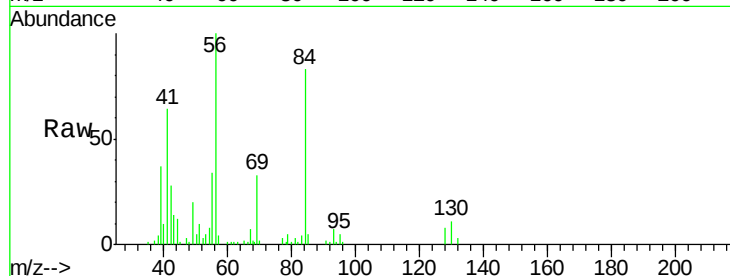




#31
Cvclohexane
Concen: 13.680 ug/l
RT: 3.67 min Scan# 309
Delta R.T. -0.01 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

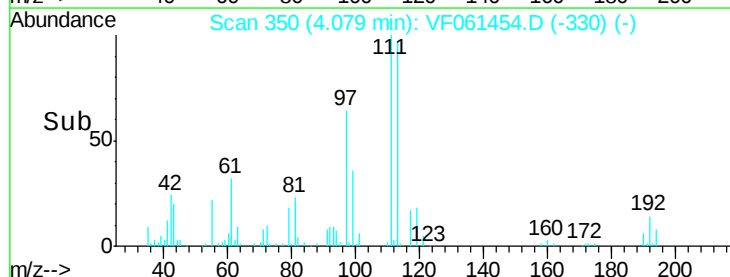
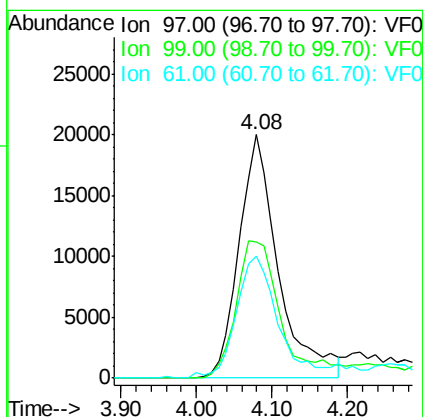
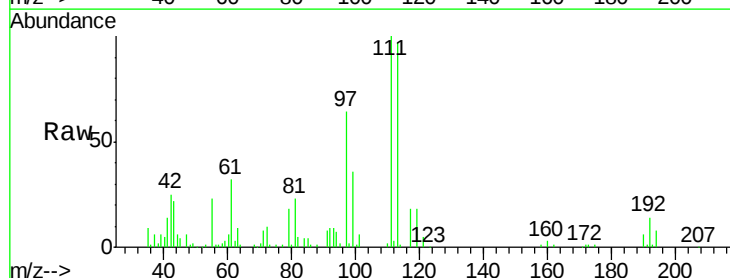
Instrument :
MSVOA_F
ClientSampleId :
VF0118SBS01

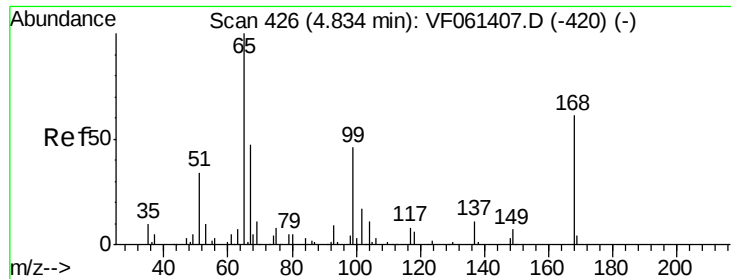
Tot Ion: 56 Resp: 53311
Ion Ratio Lower Upper
56 100
69 33.3 24.6 36.8
84 83.1 74.2 111.2



#32
1,1,1-Trichloroethane
Concen: 18.728 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.01 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Tgt Ion: 97 Resp: 72297
Ion Ratio Lower Upper
97 100
99 56.1 50.1 75.1
61 50.2 43.1 64.7





#33

1,2-Dichloroethane-d4

Concen: 48.687 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

ClientSampleId :

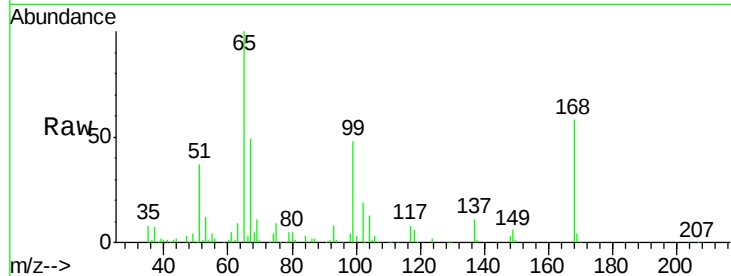
VF0118SBS01

Tot Ion: 65 Resp: 118051

Ion Ratio Lower Upper

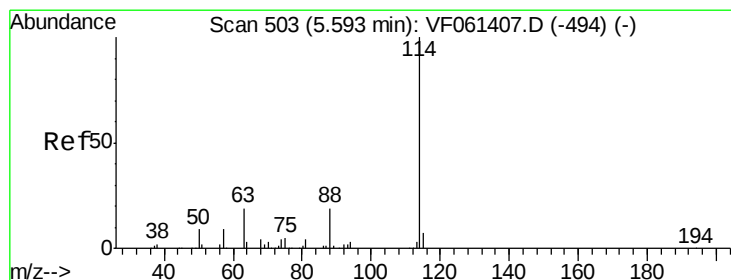
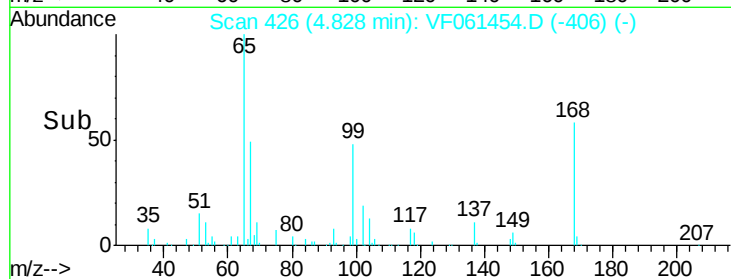
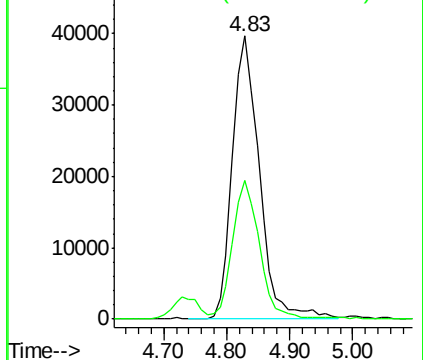
65 100

67 49.0 0.0 99.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

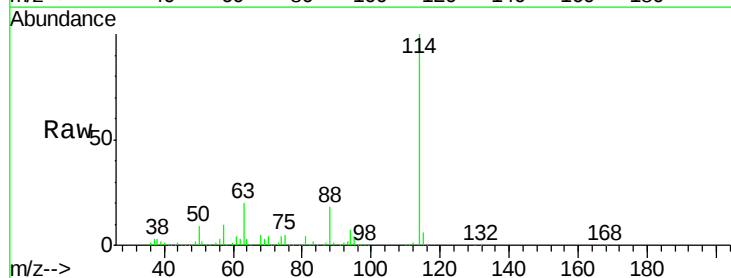
Tgt Ion: 114 Resp: 330314

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.0

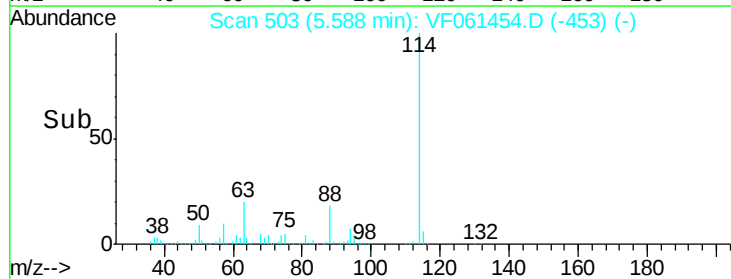
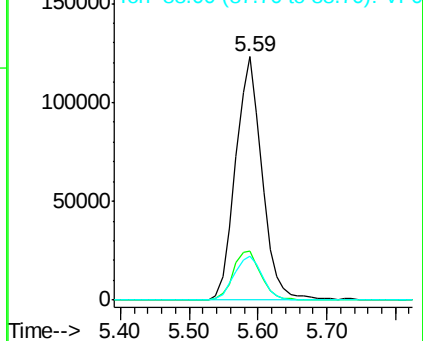
88 17.9 0.0 37.4

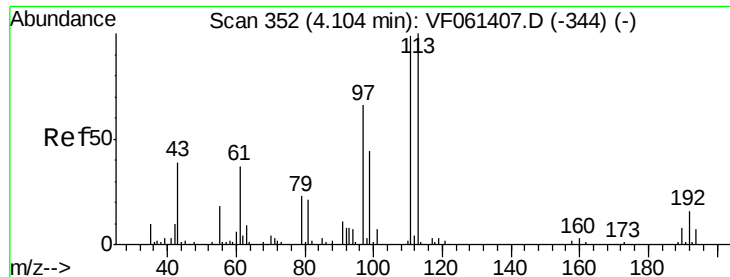


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 54.168 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0118SBS01

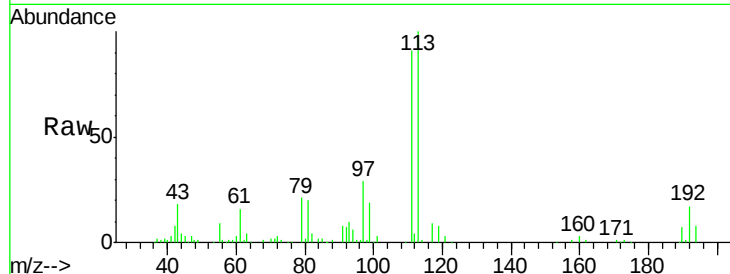
Tot Ion:113 Resp: 141187

Ion Ratio Lower Upper

113 100

111 91.5 79.4 119.0

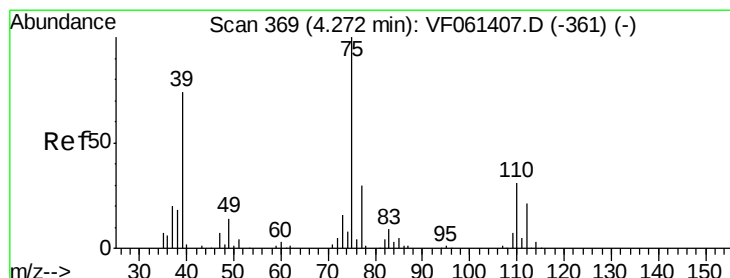
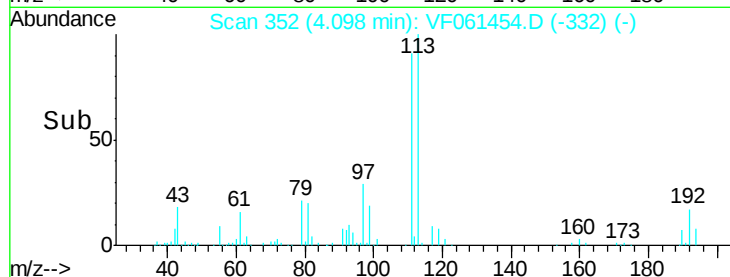
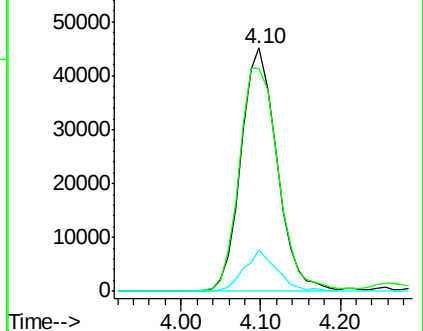
192 16.9 12.4 18.6



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 20.806 ug/l

RT: 4.27 min Scan# 369

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

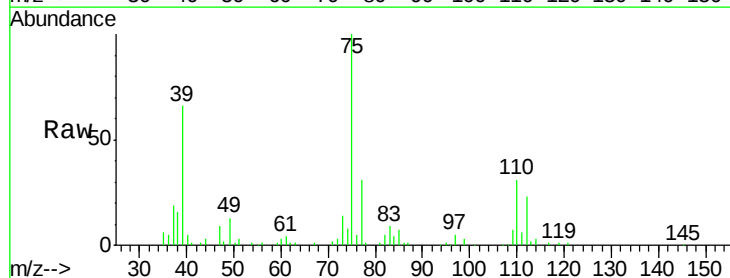
Tgt Ion: 75 Resp: 79683

Ion Ratio Lower Upper

75 100

110 31.5 15.8 47.3

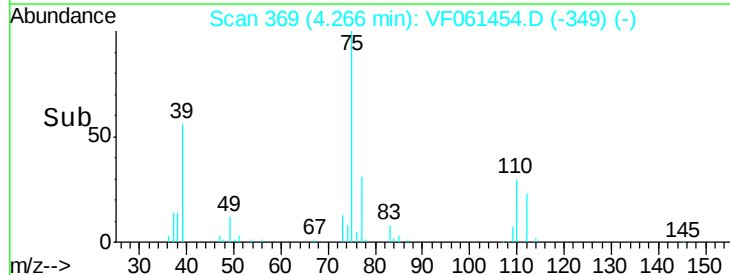
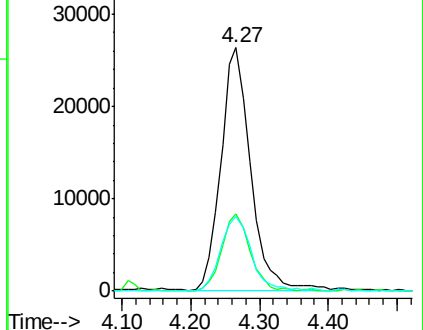
77 30.8 24.0 36.0

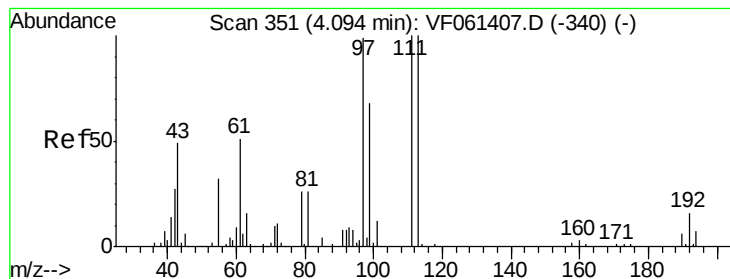


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 20.758 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0118SBS01

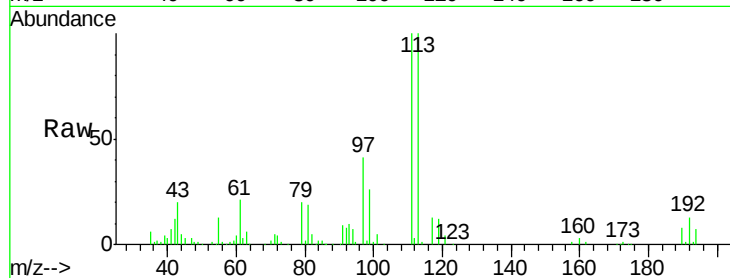
Tot Ion: 43 Resp: 31779

Ion Ratio Lower Upper

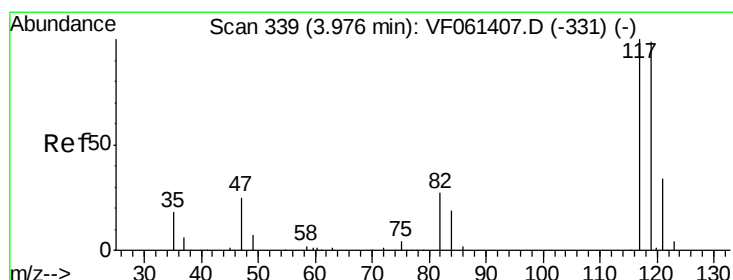
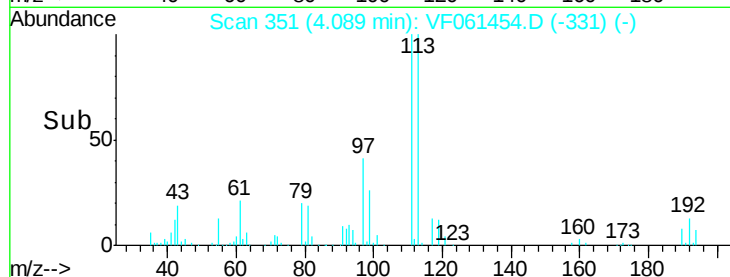
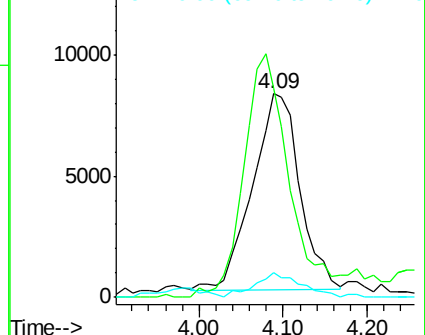
43 100

61 102.6 81.7 122.5

70 12.1 6.2 9.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 19.613 ug/l

RT: 3.97 min Scan# 339

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

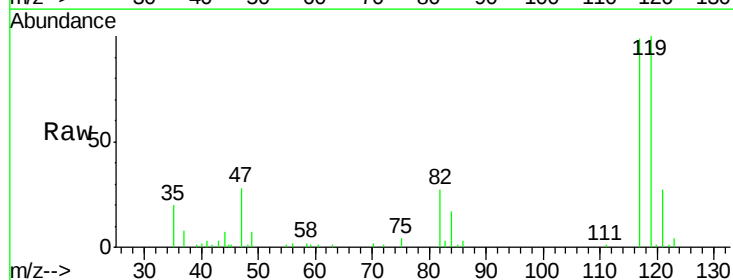
Tgt Ion: 117 Resp: 65667

Ion Ratio Lower Upper

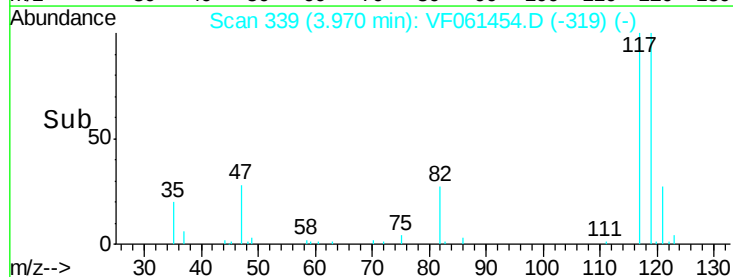
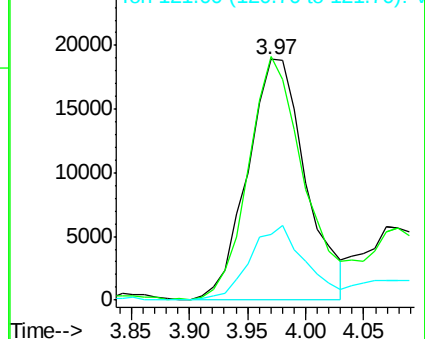
117 100

119 101.2 79.0 118.6

121 27.3 27.0 40.6



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

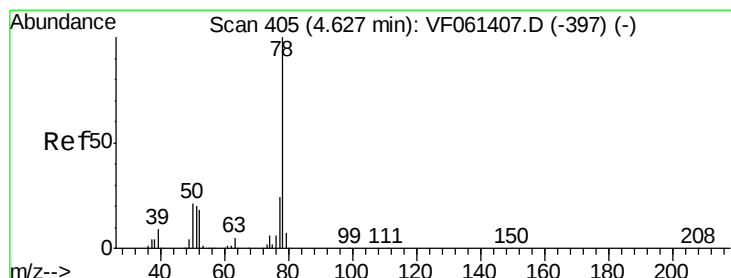
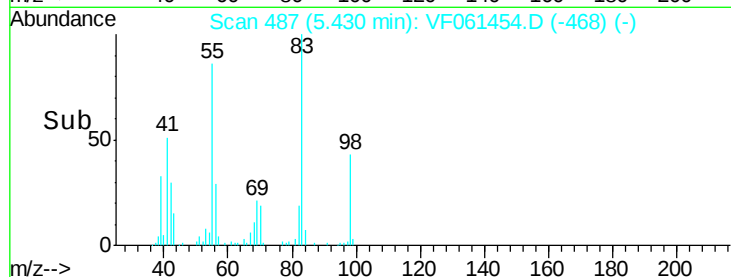
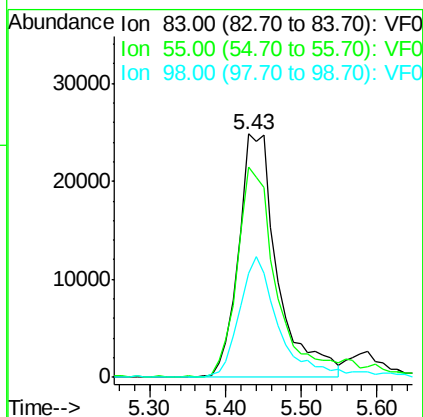
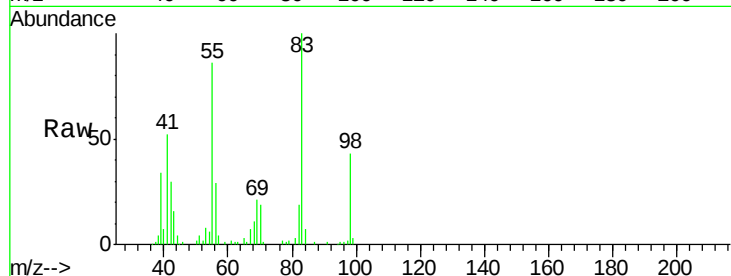




#39
Methvlcvclohexane
Concen: 21.496 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.02 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

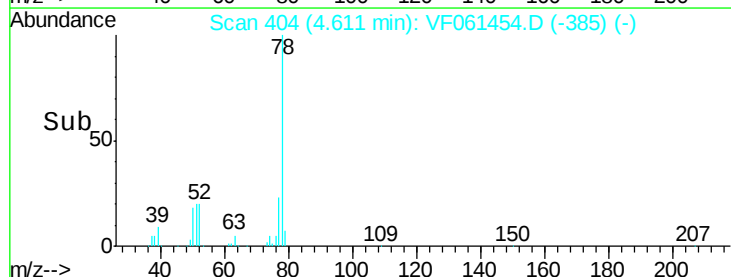
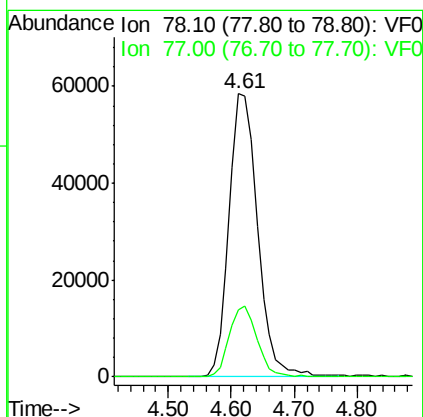
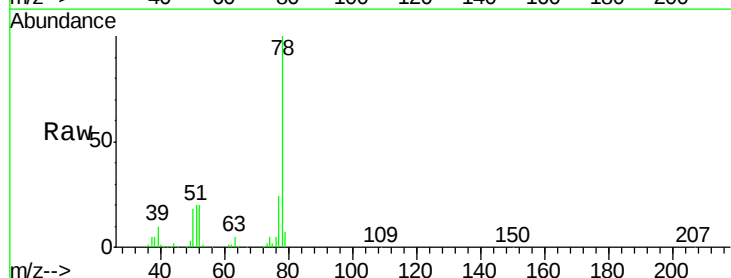
Instrument :
MSVOA_F
ClientSampleId :
VF0118SBS01

Tot Ion: 83 Resp: 89217
Ion Ratio Lower Upper
83 100
55 86.4 67.4 101.2
98 42.8 36.7 55.1



#40
Benzene
Concen: 21.612 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.02 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Tgt Ion: 78 Resp: 184175
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.6





#41

Methacrylonitrile

Concen: 23.057 ug/l

RT: 4.73 min Scan# 416

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0118SBS01

Tot Ion: 41 Resp: 18782

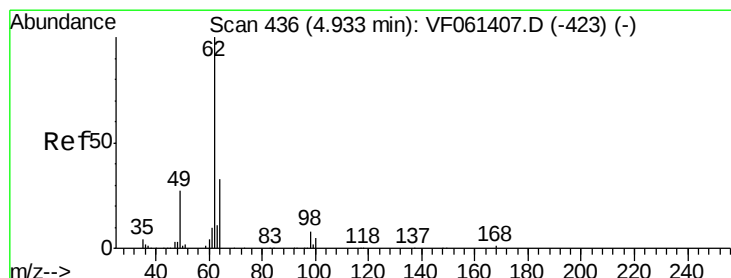
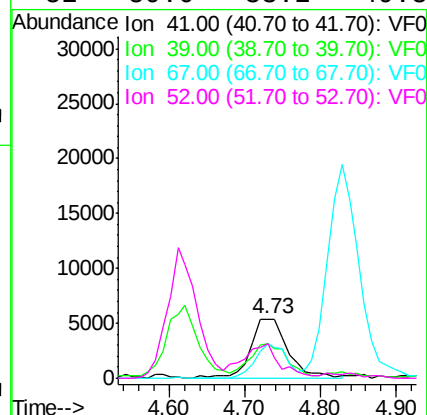
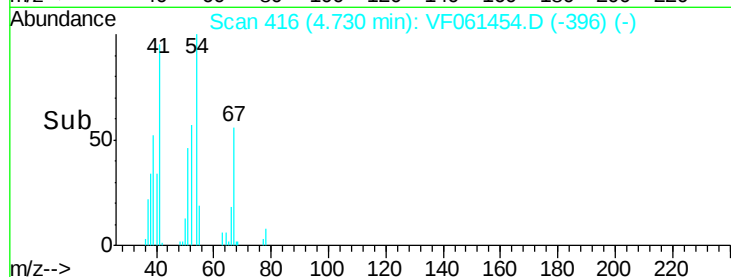
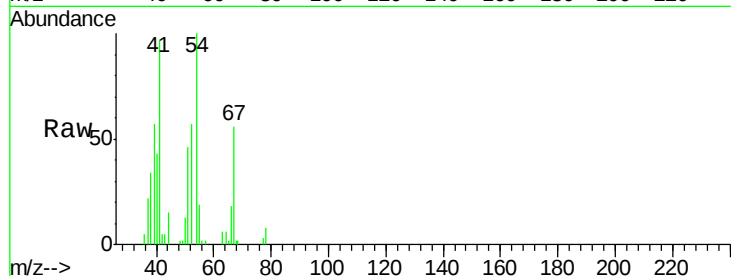
Ion Ratio Lower Upper

41 100

39 58.9 43.1 64.7

67 57.7 38.8 58.2

52 59.0 33.2 49.8#



#42

1,2-Dichloroethane

Concen: 19.825 ug/l

RT: 4.93 min Scan# 436

Delta R.T. -0.01 min

Lab File: VF061454.D

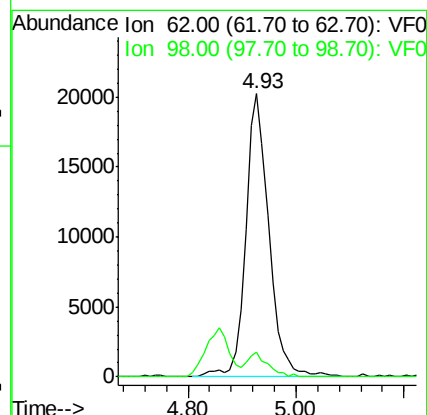
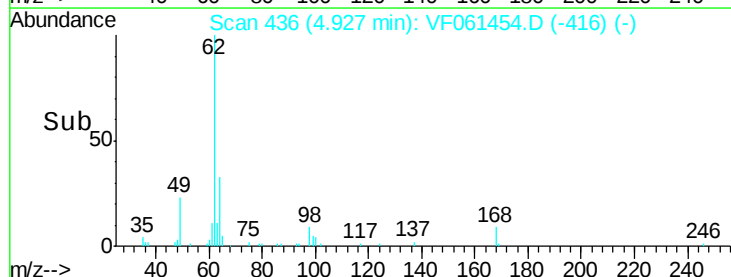
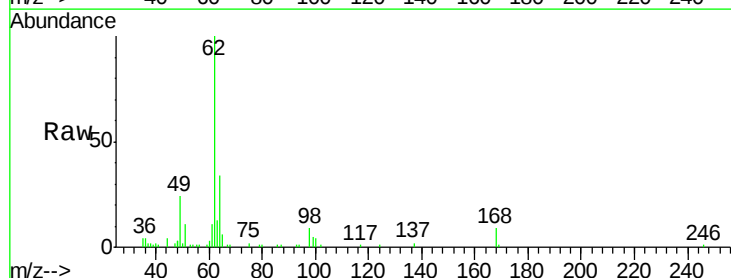
Acq: 18 Jan 2019 12:42

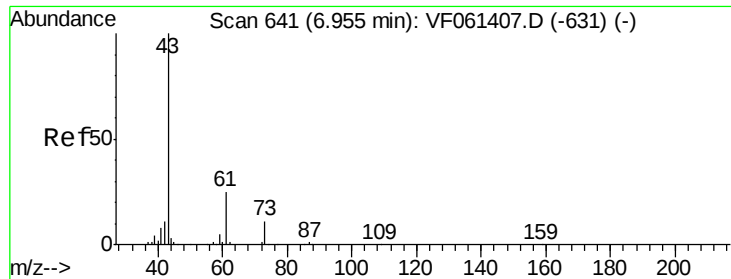
Tgt Ion: 62 Resp: 60203

Ion Ratio Lower Upper

62 100

98 8.6 0.0 17.0



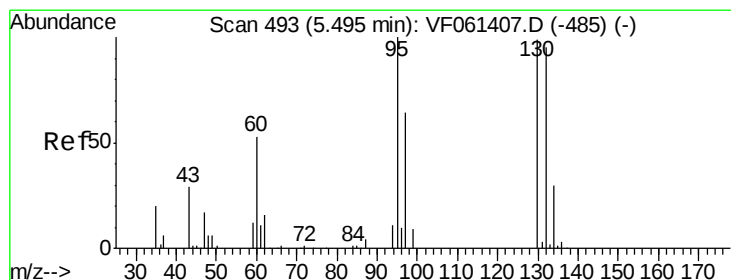
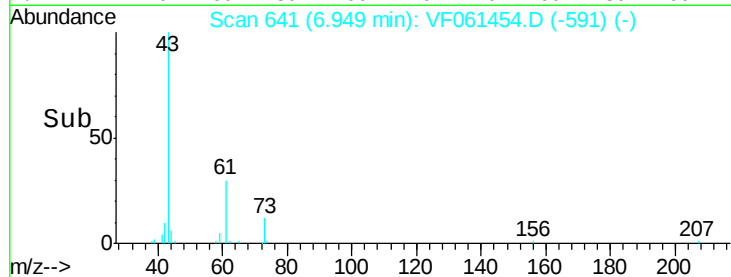
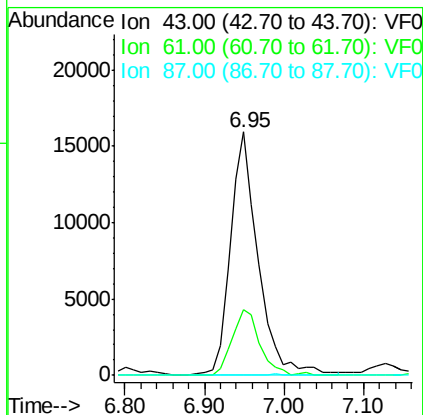
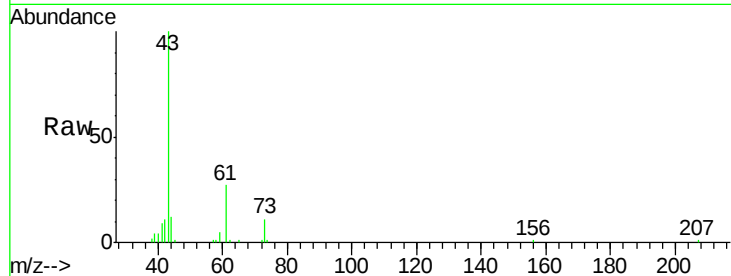


#43

Isopropyl Acetate
 Concen: 20.246 ug/l
 RT: 6.95 min Scan# 641
 Delta R.T. -0.01 min
 Lab File: VF061454.D
 Acq: 18 Jan 2019 12:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0118SBS01

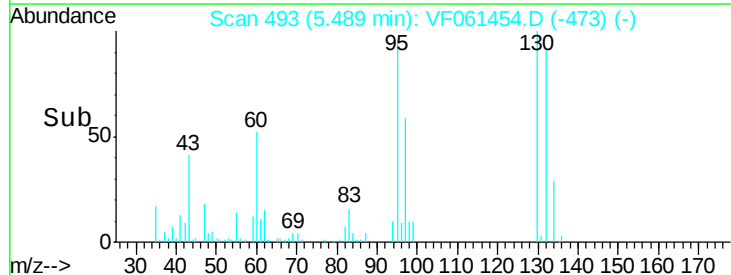
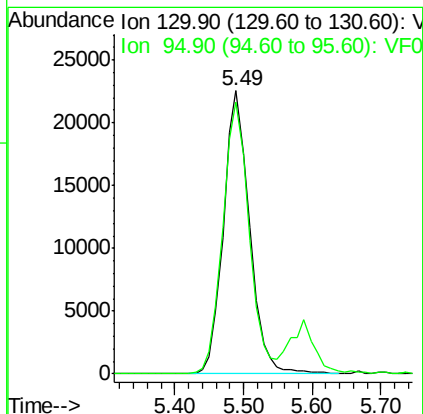
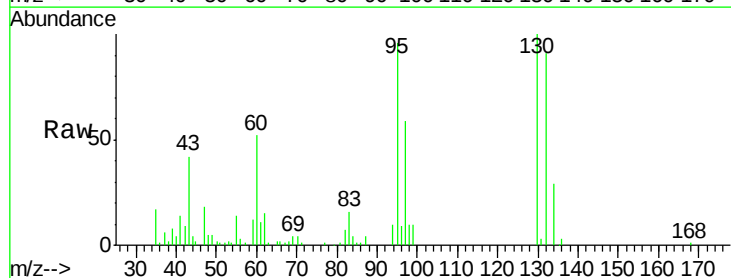
Tot Ion: 43 Resp: 38901
 Ion Ratio Lower Upper
 43 100
 61 27.1 20.3 30.5
 87 0.0 0.5 0.7#

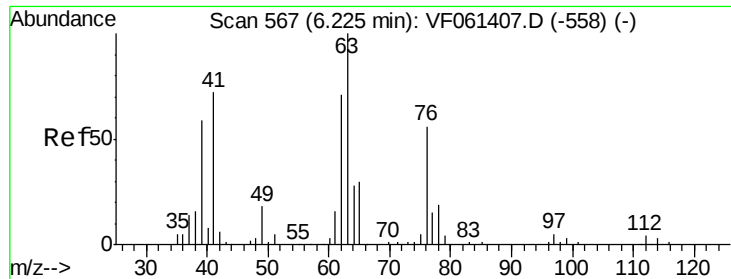


#44

Trichloroethene
 Concen: 22.673 ug/l
 RT: 5.49 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VF061454.D
 Acq: 18 Jan 2019 12:42

Tgt Ion: 130 Resp: 59272
 Ion Ratio Lower Upper
 130 100
 95 96.1 0.0 202.8

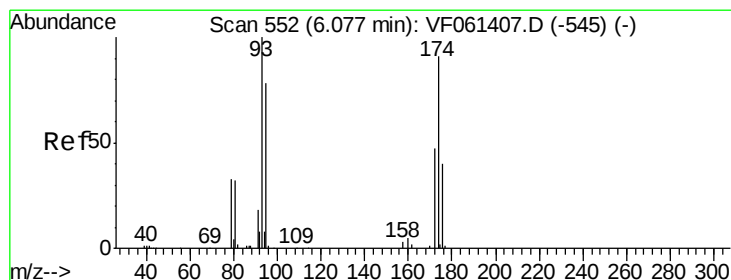
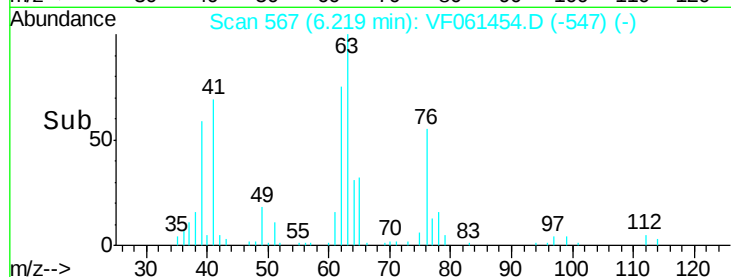
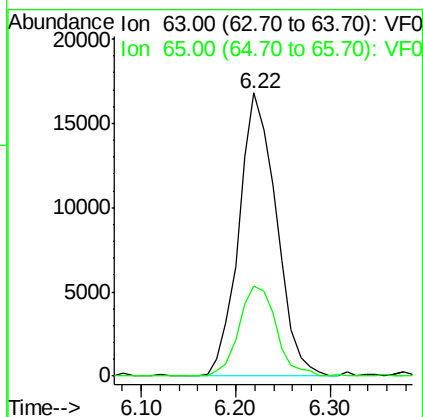
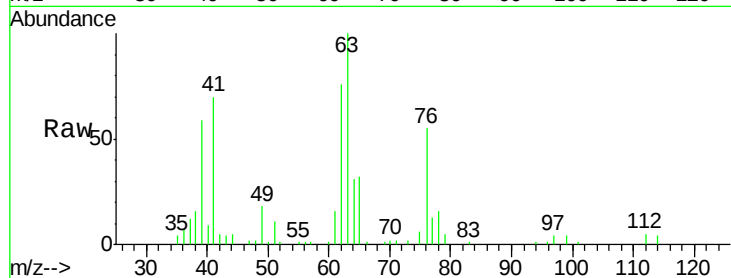




#45
 1,2-Dichloropropane
 Concen: 20.655 ug/l
 RT: 6.22 min Scan# 567
 Delta R.T. -0.01 min
 Lab File: VF061454.D
 Acq: 18 Jan 2019 12:42

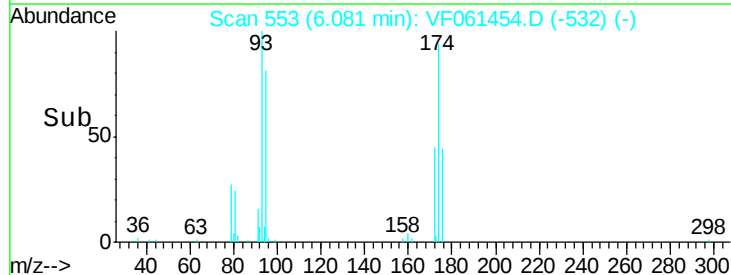
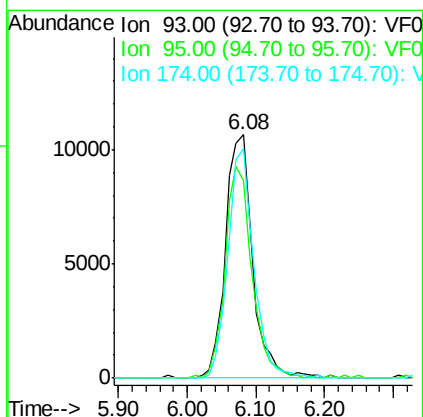
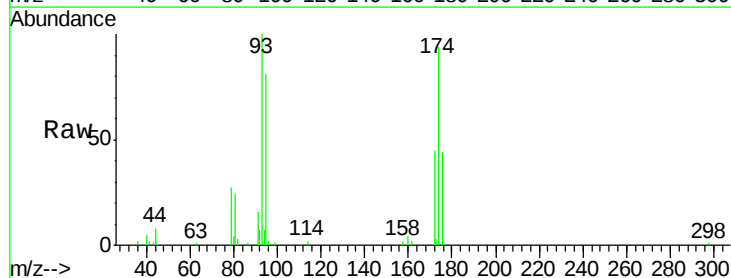
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0118SBS01

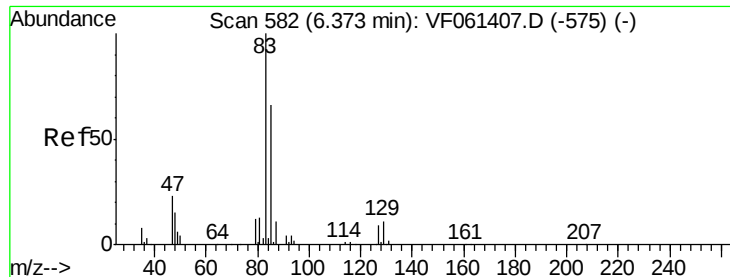
Tot Ion: 63 Resp: 46198
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.4 36.6



#46
 Dibromomethane
 Concen: 19.676 ug/l
 RT: 6.08 min Scan# 553
 Delta R.T. 0.00 min
 Lab File: VF061454.D
 Acq: 18 Jan 2019 12:42

Tgt Ion: 93 Resp: 29262
 Ion Ratio Lower Upper
 93 100
 95 81.1 62.1 93.1
 174 94.4 74.6 111.8





#47

Bromodichloromethane

Concen: 20.592 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.00 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0118SBS01

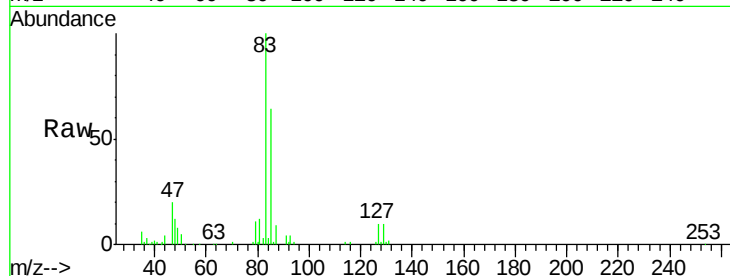
Tot Ion: 83 Resp: 75771

Ion Ratio Lower Upper

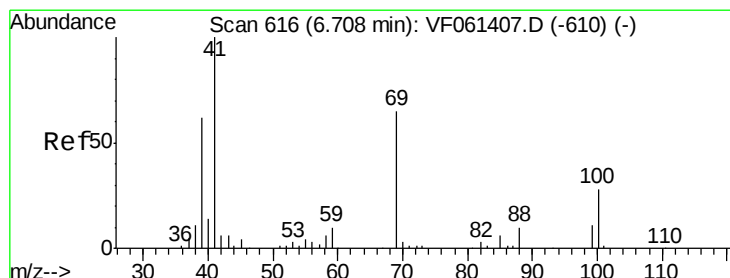
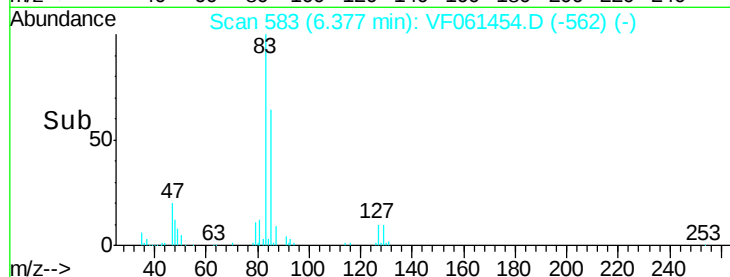
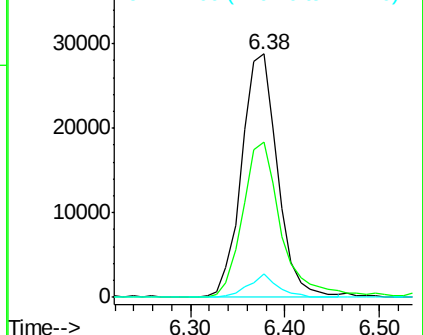
83 100

85 63.8 53.0 79.4

127 9.7 6.9 10.3



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 19.897 ug/l

RT: 6.70 min Scan# 616

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

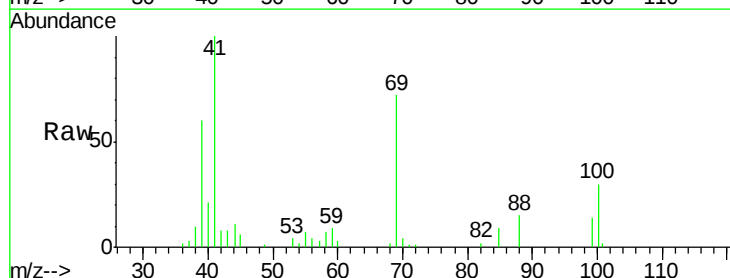
Tgt Ion: 41 Resp: 25671

Ion Ratio Lower Upper

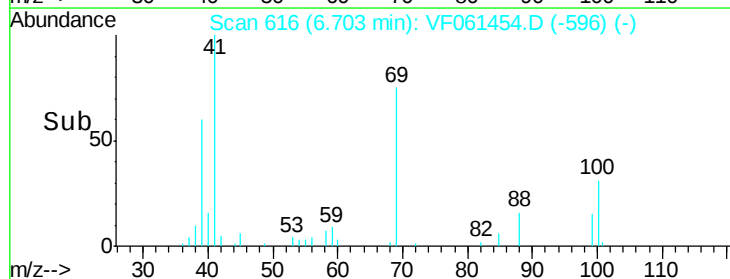
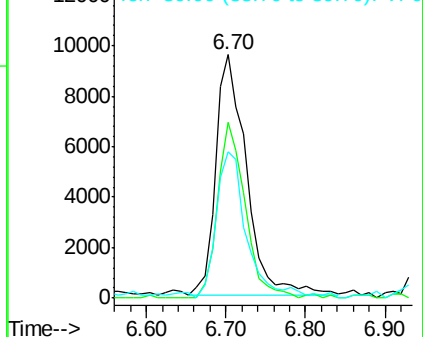
41 100

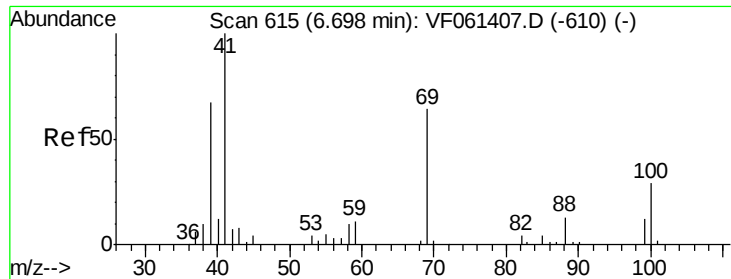
69 72.0 51.7 77.5

39 60.1 49.2 73.8



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: 401.601 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0118SBS01

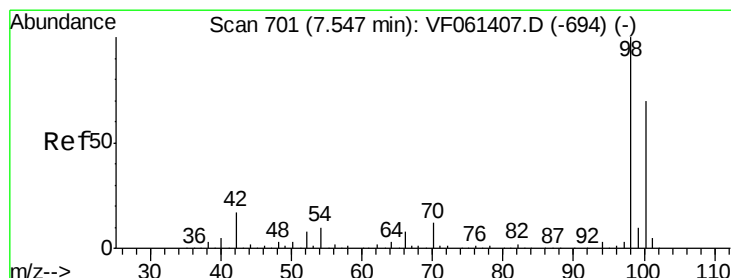
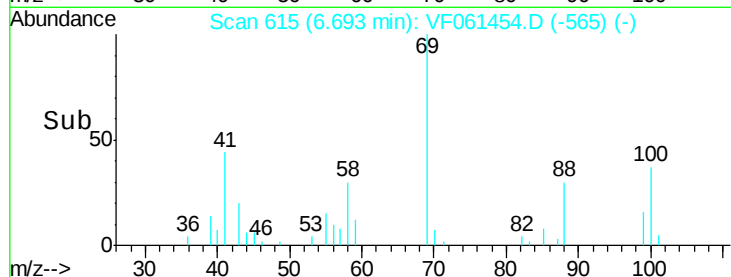
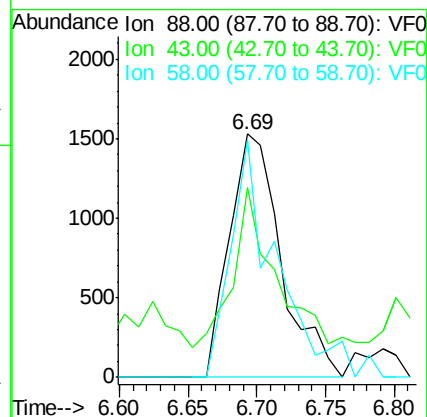
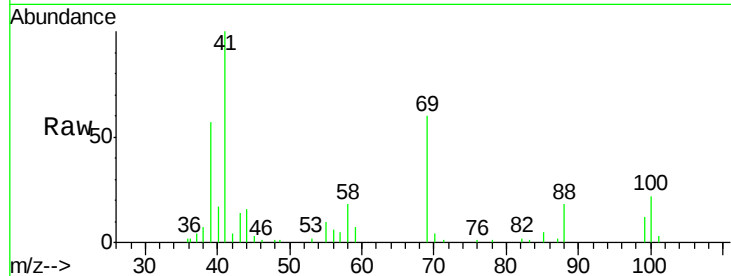
Tot Ion: 88 Resp: 3991

Ion Ratio Lower Upper

88 100

43 78.2 55.5 83.3

58 97.4 59.9 89.9#



#50

Toluene-d8

Concen: 55.287 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.01 min

Lab File: VF061454.D

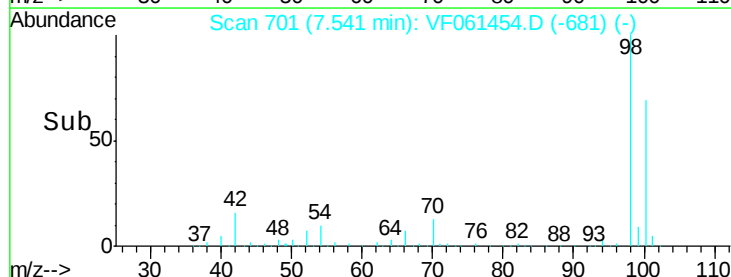
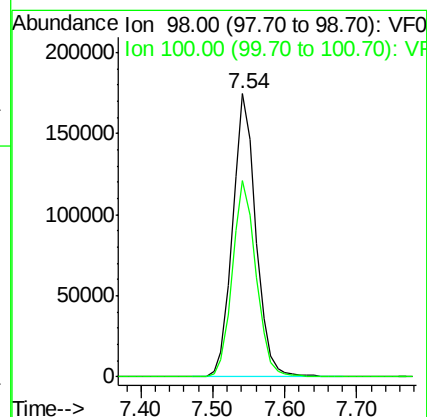
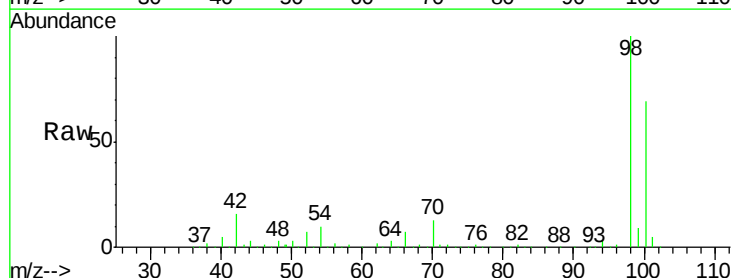
Acq: 18 Jan 2019 12:42

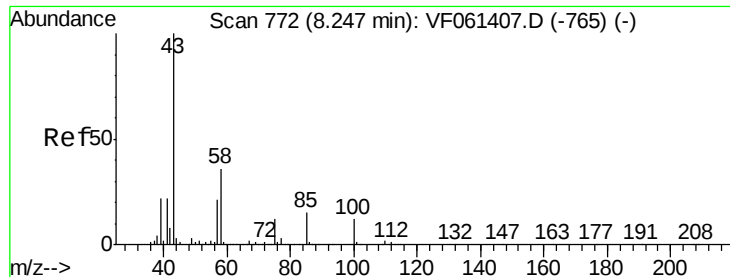
Tgt Ion: 98 Resp: 394820

Ion Ratio Lower Upper

98 100

100 69.3 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 106.738 ug/l

RT: 8.25 min Scan# 773

Delta R.T. 0.00 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

ClientSampleId :

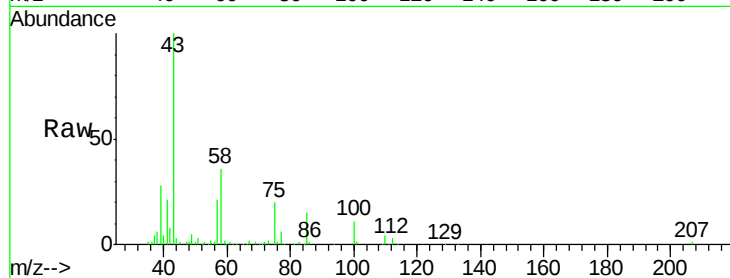
VF0118SBS01

Tot Ion: 43 Resp: 150770

Ion Ratio Lower Upper

43 100

58 36.5 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.25

60000

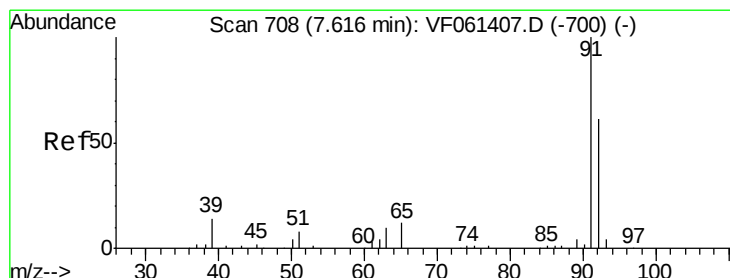
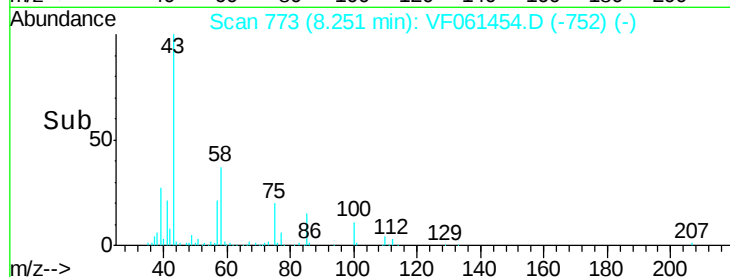
40000

20000

0

Time-->

8.10 8.20 8.30 8.40



#52

Toluene

Concen: 21.281 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.01 min

Lab File: VF061454.D

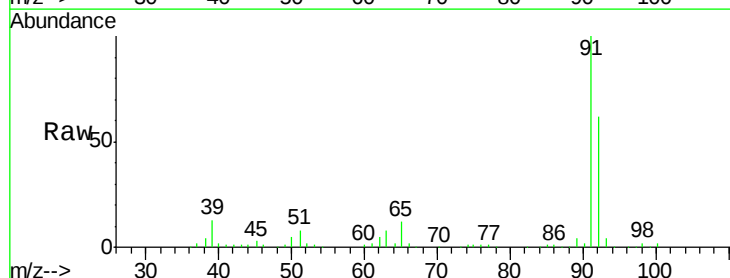
Acq: 18 Jan 2019 12:42

Tgt Ion: 92 Resp: 119430

Ion Ratio Lower Upper

92 100

91 162.3 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.61

80000

60000

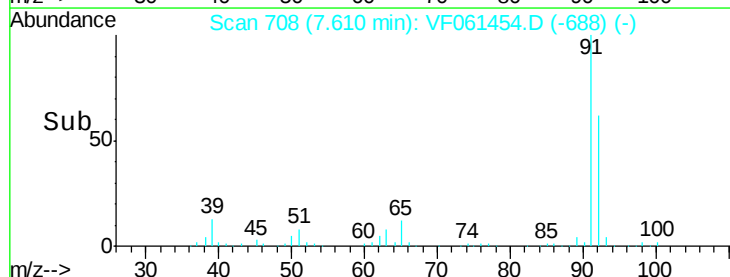
40000

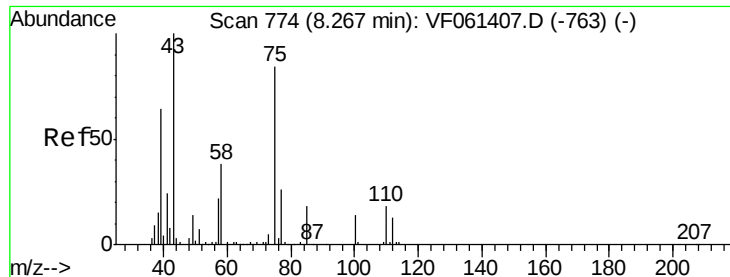
20000

0

Time-->

7.50 7.60 7.70 7.80





#53

t-1,3-Dichloropropene

Concen: 20.674 ug/l

RT: 8.27 min Scan# 775

Delta R.T. 0.00 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

ClientSampleId :

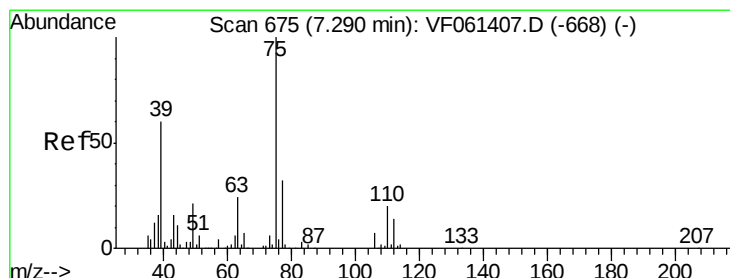
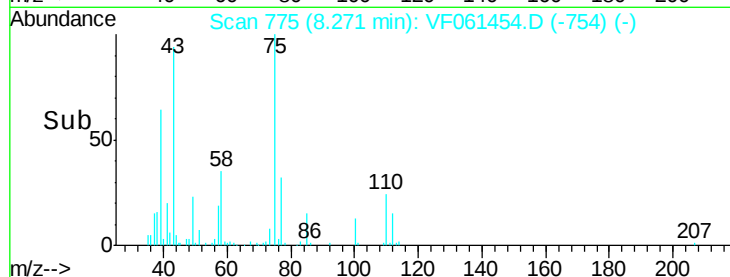
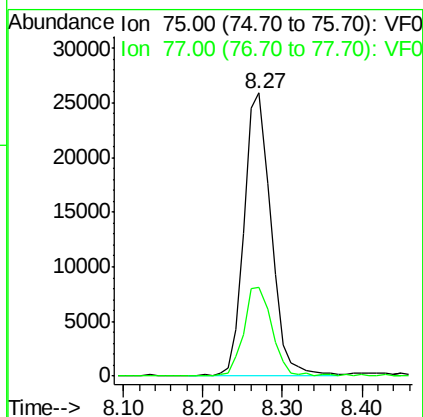
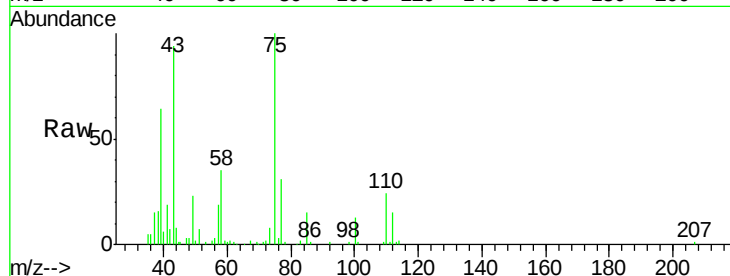
VF0118SBS01

Tot Ion: 75 Resp: 60407

Ion Ratio Lower Upper

75 100

77 31.5 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 22.600 ug/l

RT: 7.29 min Scan# 676

Delta R.T. 0.00 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

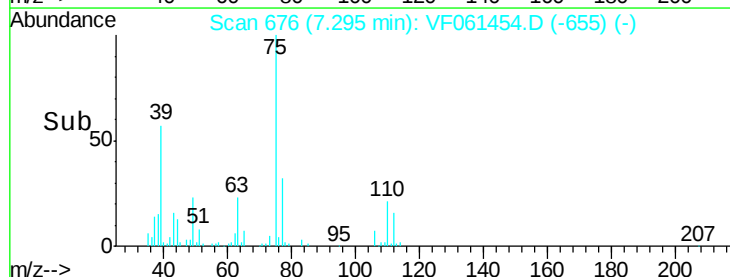
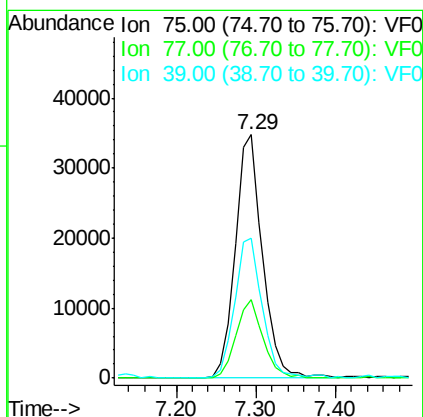
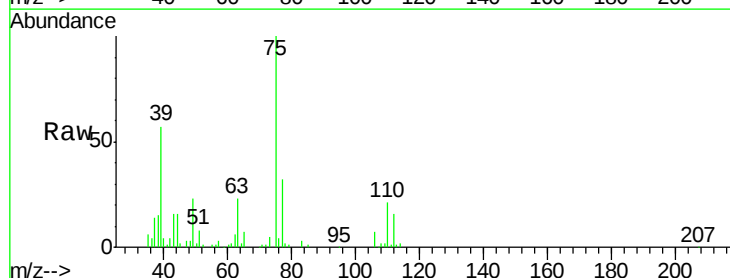
Tgt Ion: 75 Resp: 82543

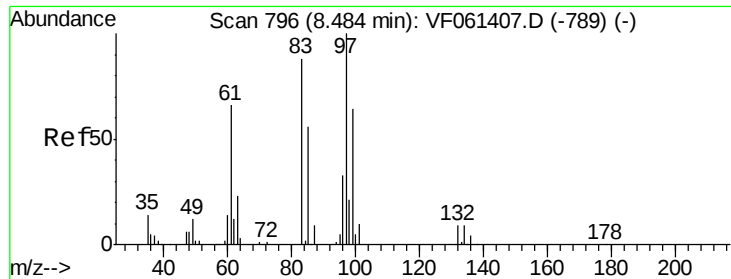
Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.0

39 57.4 47.8 71.8





#55

1,1,2-Trichloroethane

Concen: 21.279 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0118SBS01

Tot Ion: 97 Resp: 33912

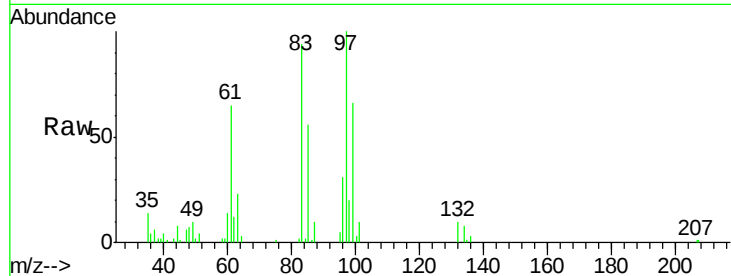
Ion	Ratio	Lower	Upper
97	100		
83	93.8	70.4	105.6
85	56.0	44.7	67.1
99	65.6	50.8	76.2

97 100

83 93.8 70.4 105.6

85 56.0 44.7 67.1

99 65.6 50.8 76.2



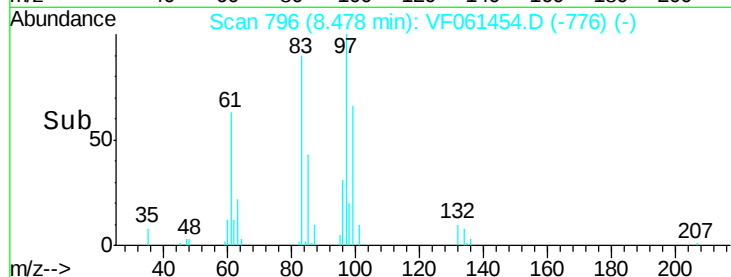
Abundance Ion 97.00 (96.70 to 97.70): VF0

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

Time-->



Abundance

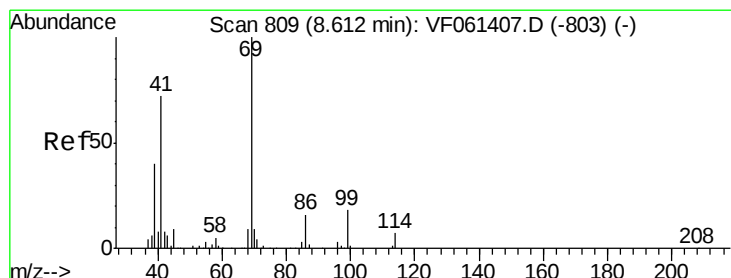
Ion 97.00 (96.70 to 97.70): VF0

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

Time-->



#56

Ethyl methacrylate

Concen: 19.299 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

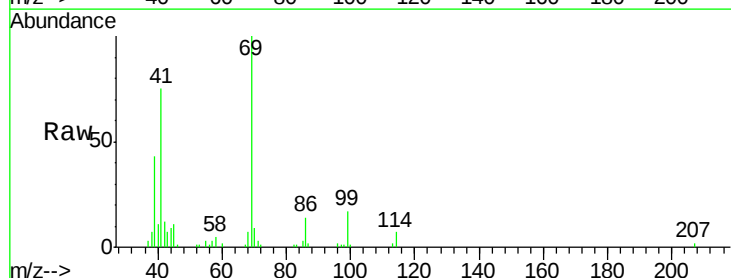
Tgt Ion: 69 Resp: 35783

Ion	Ratio	Lower	Upper
69	100		
41	75.4	57.5	86.3
39	43.4	32.0	48.0

69 100

41 75.4 57.5 86.3

39 43.4 32.0 48.0

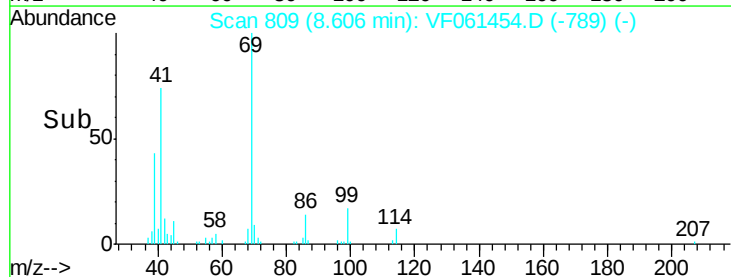


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Time-->



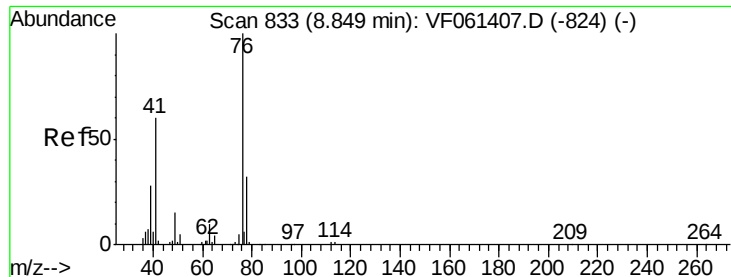
Abundance

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

Time-->



#57

1,3-Dichloropropane

Concen: 20.474 ug/l

RT: 8.84 min Scan# 833

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

ClientSampleId :

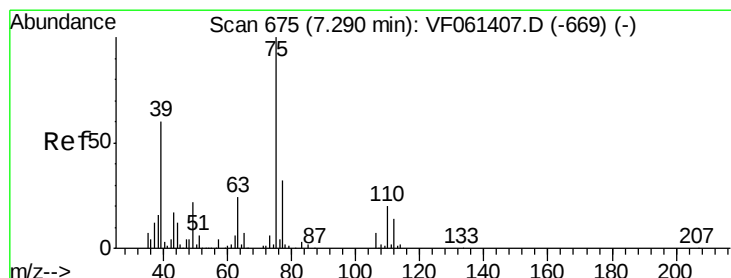
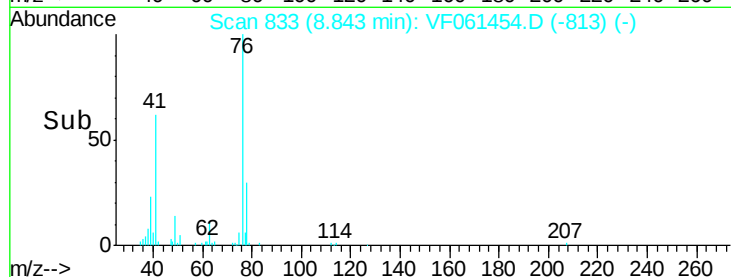
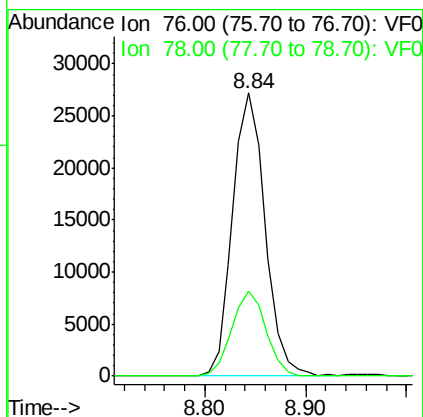
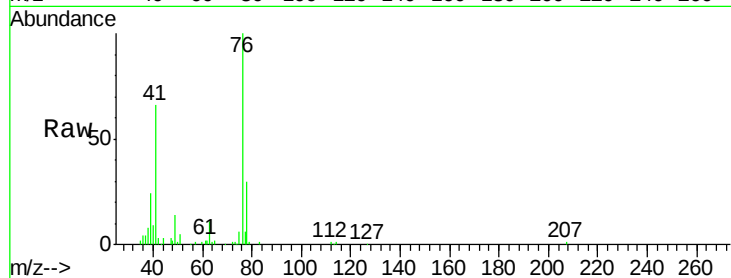
VF0118SBS01

Tot Ion: 76 Resp: 61158

Ion Ratio Lower Upper

76 100

78 29.8 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 126.275 ug/l

RT: 7.28 min Scan# 675

Delta R.T. -0.01 min

Lab File: VF061454.D

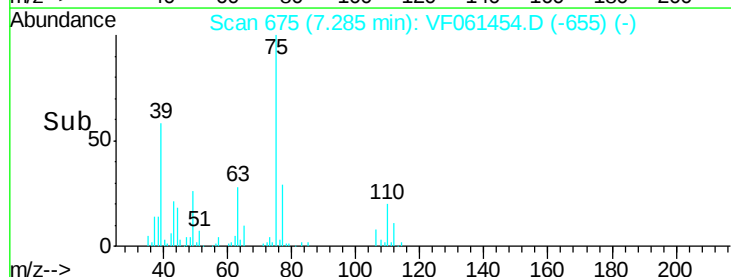
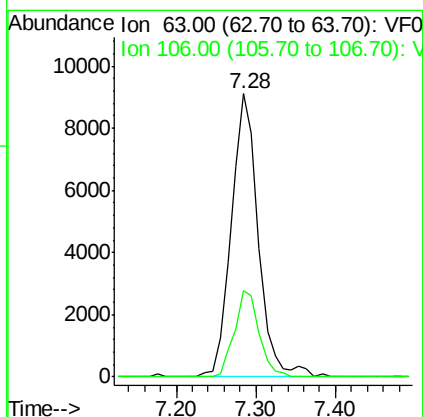
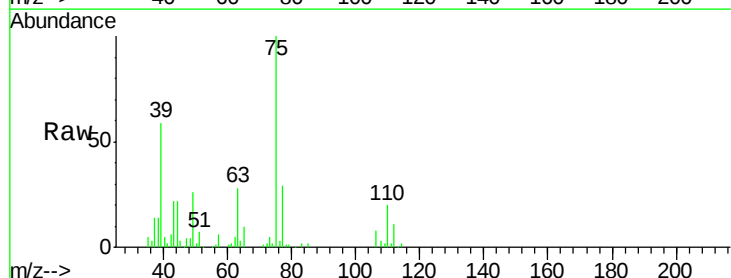
Acq: 18 Jan 2019 12:42

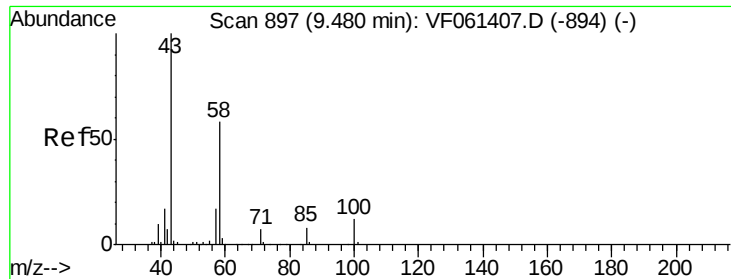
Tgt Ion: 63 Resp: 21576

Ion Ratio Lower Upper

63 100

106 30.4 21.9 32.9

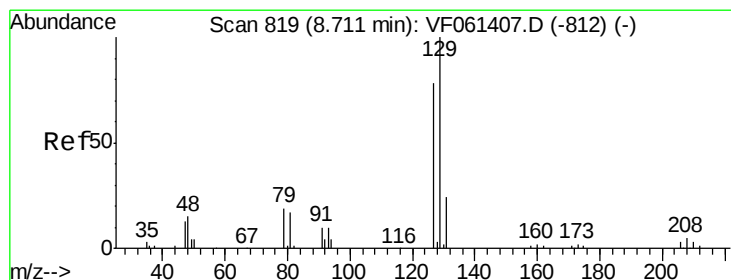
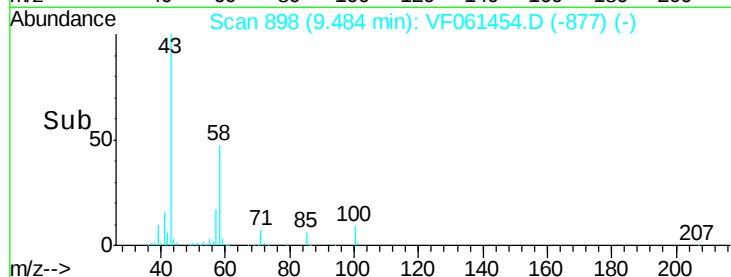
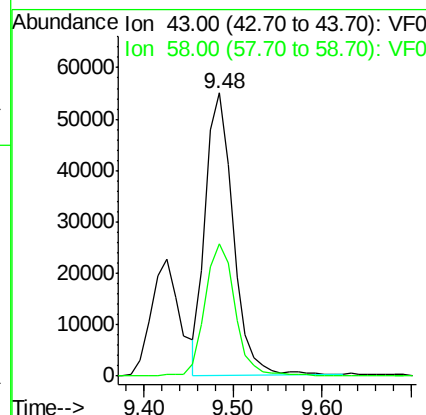
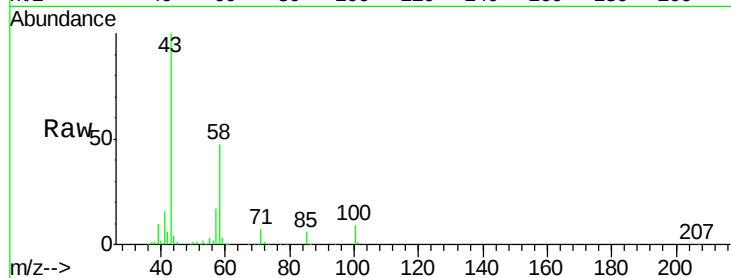




#59
2-Hexanone
Concen: 119.921 ug/l
RT: 9.48 min Scan# 898
Delta R.T. 0.00 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

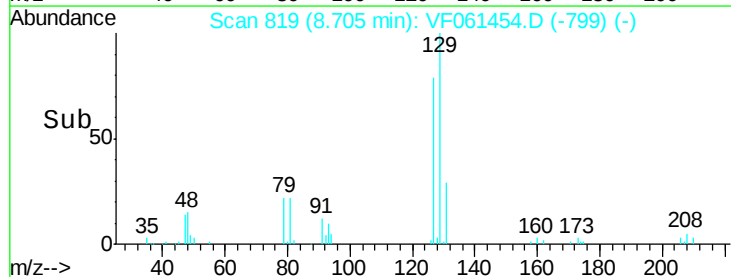
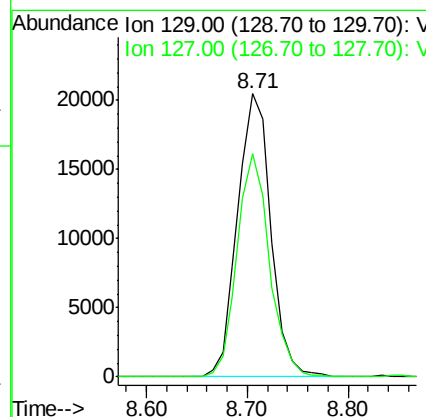
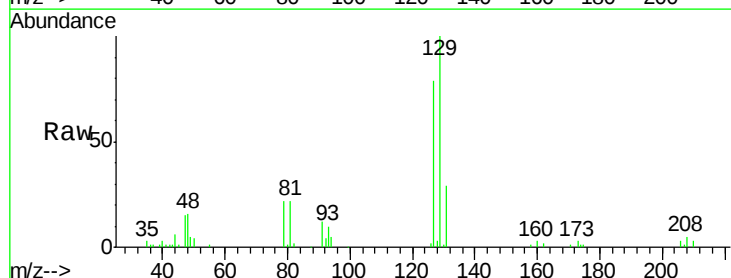
Instrument :
MSVOA_F
ClientSampleId :
VF0118SBS01

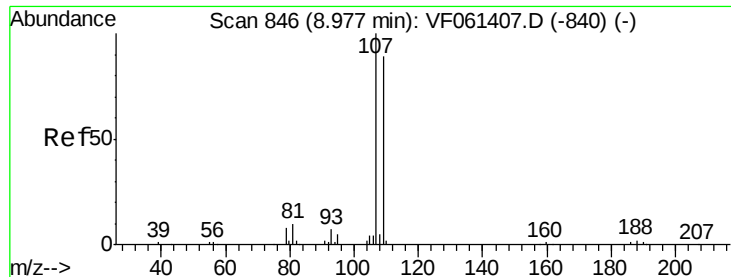
Tot Ion: 43 Resp: 118120
Ion Ratio Lower Upper
43 100
58 46.9 25.9 77.6



#60
Dibromochloromethane
Concen: 20.288 ug/l
RT: 8.71 min Scan# 819
Delta R.T. -0.01 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Tgt Ion:129 Resp: 47269
Ion Ratio Lower Upper
129 100
127 78.9 39.1 117.2





#61

1,2-Dibromoethane

Concen: 18.841 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

ClientSampleId :

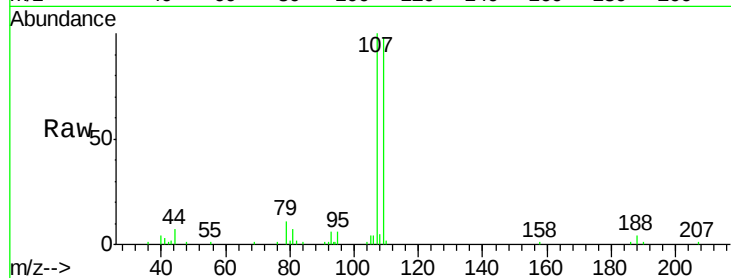
VF0118SBS01

Tot Ion:107 Resp: 34373

Ion Ratio Lower Upper

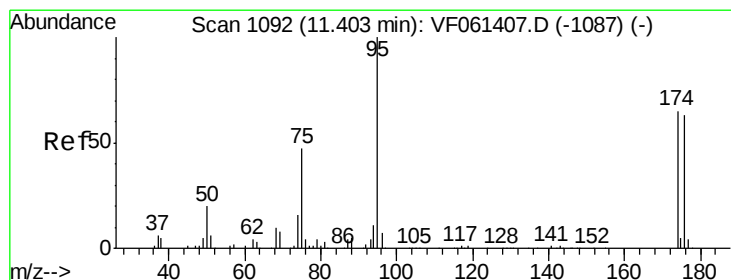
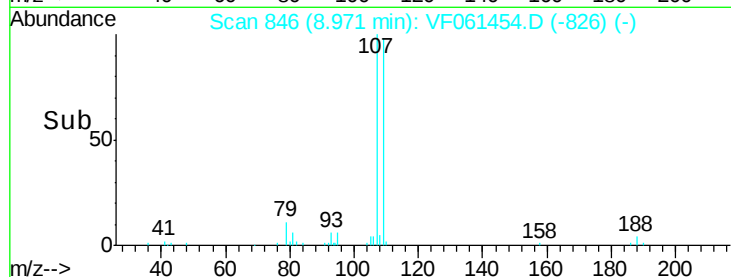
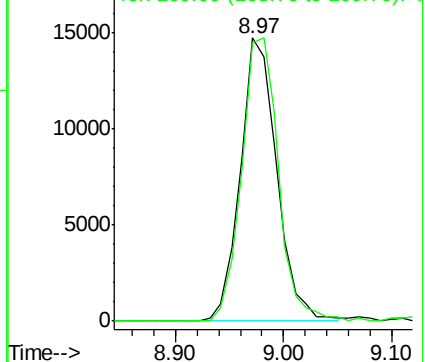
107 100

109 98.2 70.8 106.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 51.105 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

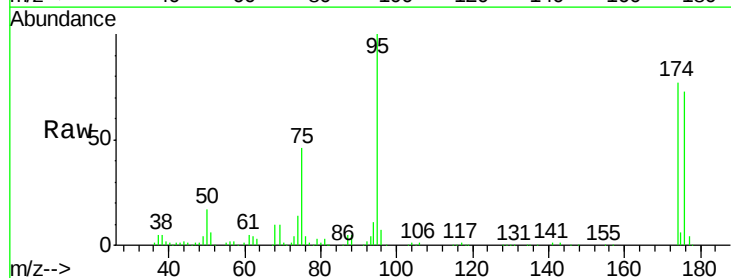
Tgt Ion: 95 Resp: 170515

Ion Ratio Lower Upper

95 100

174 76.6 0.0 130.4

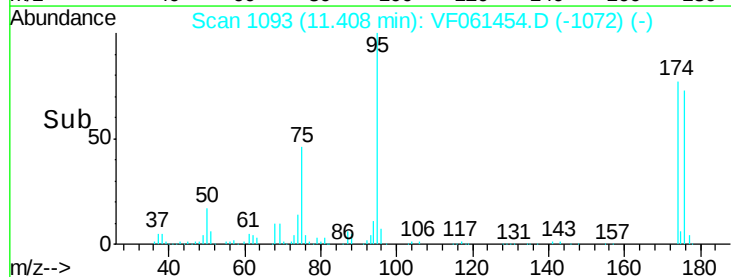
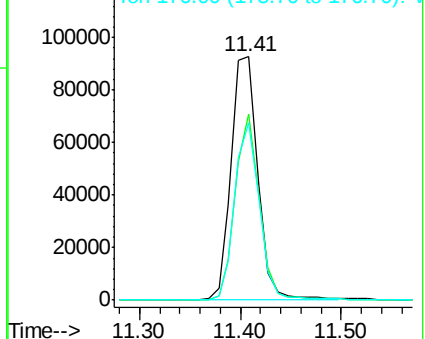
176 72.6 0.0 126.2



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

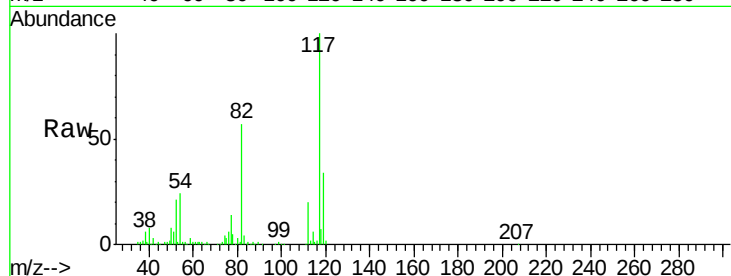




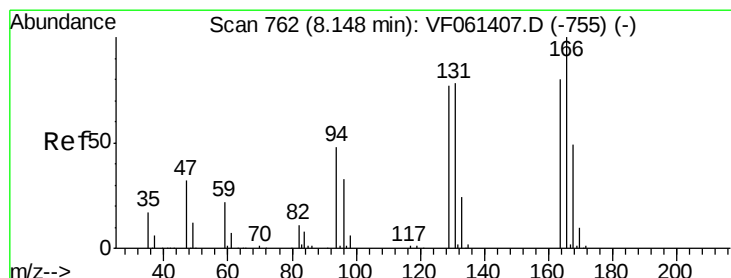
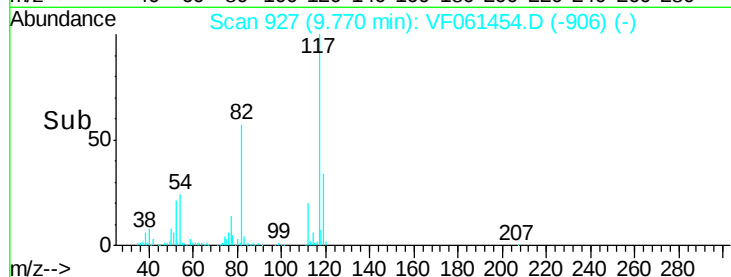
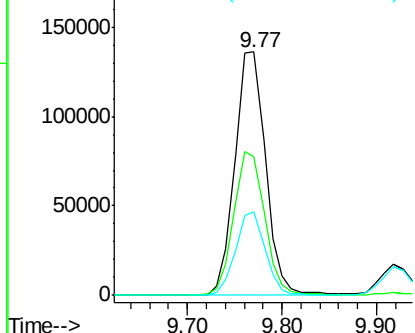
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. 0.00 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Instrument :
MSVOA_F
ClientSampleId :
VF0118SBS01

Tot Ion:117 Resp: 309544
Ion Ratio Lower Upper
117 100
82 56.7 46.4 69.6
119 34.3 27.2 40.8

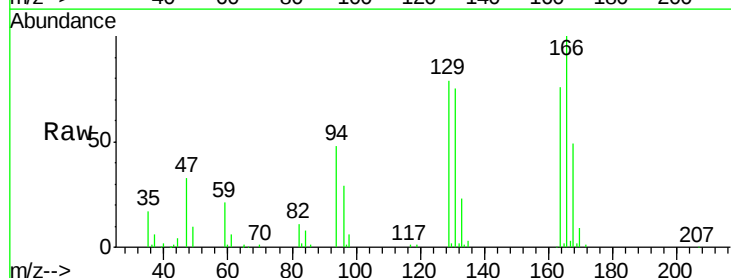


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

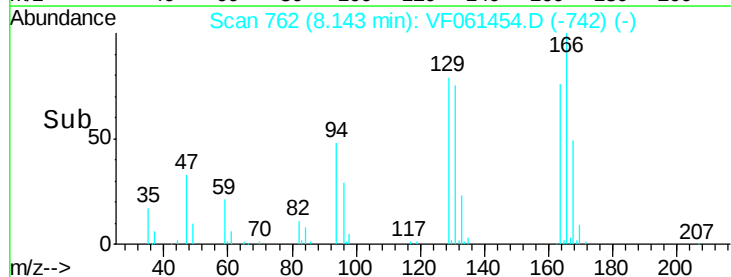
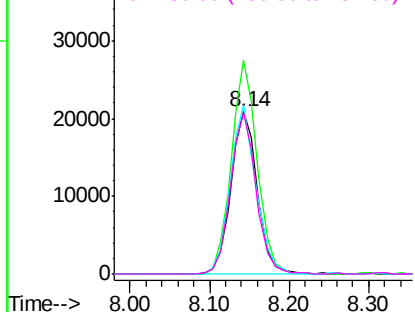


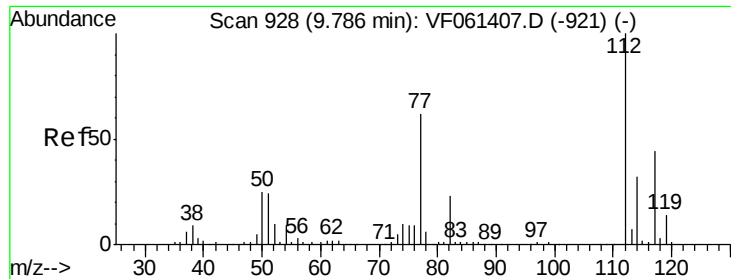
#64
Tetrachloroethene
Concen: 20.720 ug/l
RT: 8.14 min Scan# 762
Delta R.T. -0.01 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Tgt Ion:164 Resp: 48232
Ion Ratio Lower Upper
164 100
166 131.6 99.6 149.4
129 104.2 76.4 114.6
131 99.3 77.9 116.9



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





#65

Chlorobenzene

Concen: 21.348 ug/l

RT: 9.79 min Scan# 929

Delta R.T. 0.00 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

ClientSampleId :

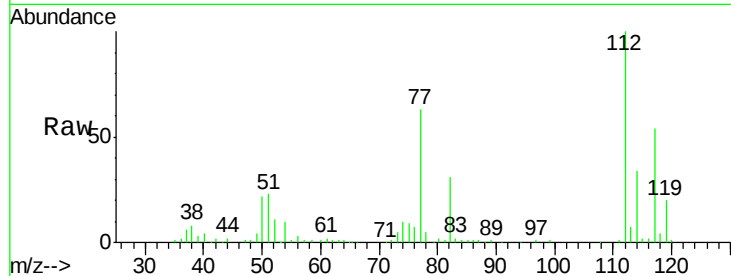
VF0118SBS01

Tot Ion:112 Resp: 134382

Ion Ratio Lower Upper

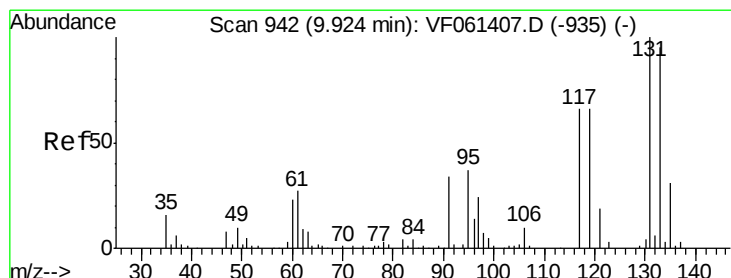
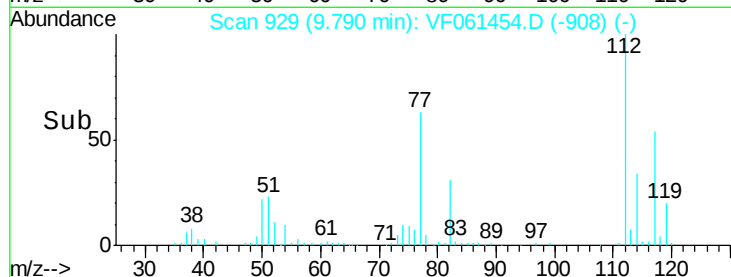
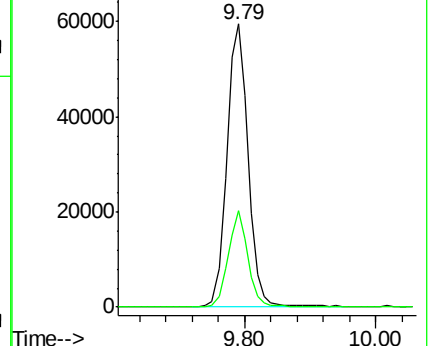
112 100

114 34.1 25.4 38.0



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: 20.703 ug/l

RT: 9.92 min Scan# 942

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

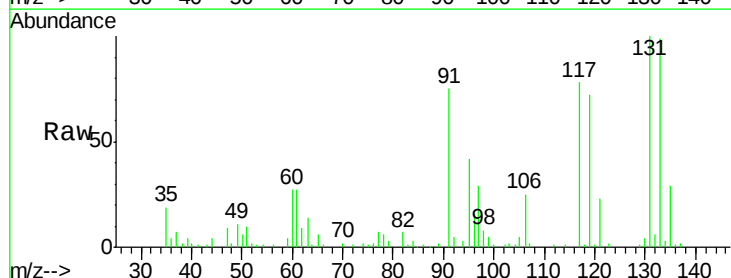
Tgt Ion:131 Resp: 51916

Ion Ratio Lower Upper

131 100

133 99.0 47.4 142.2

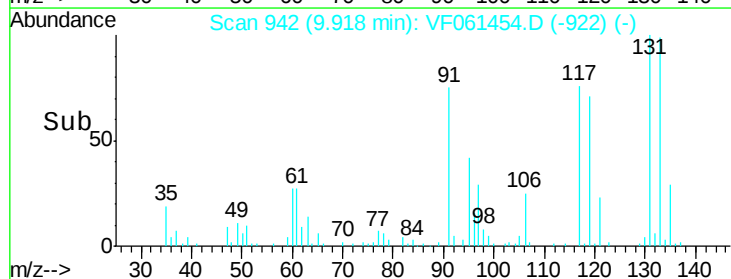
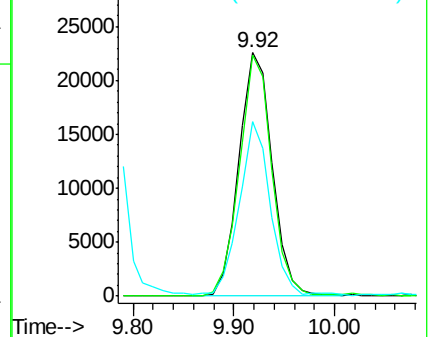
119 71.8 33.1 99.3

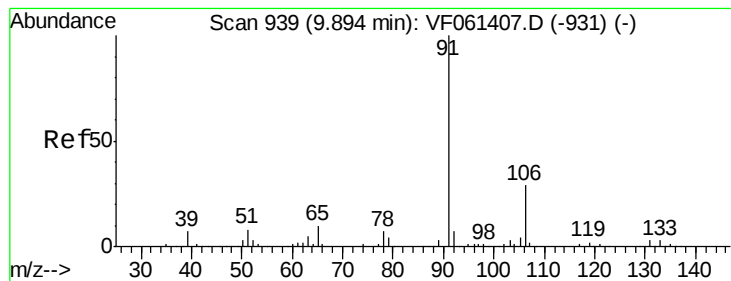


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 20.797 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

ClientSampleId :

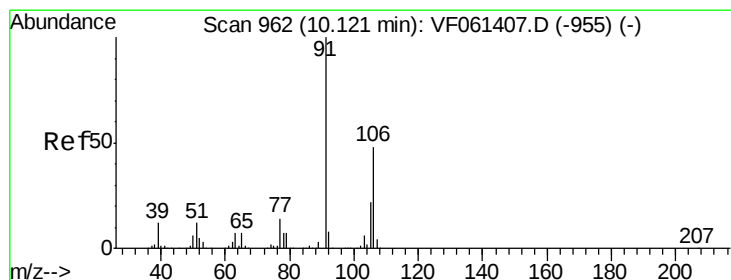
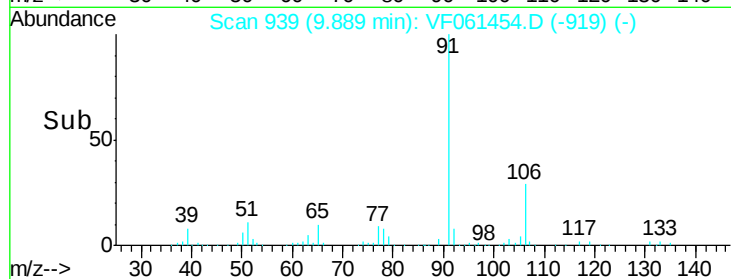
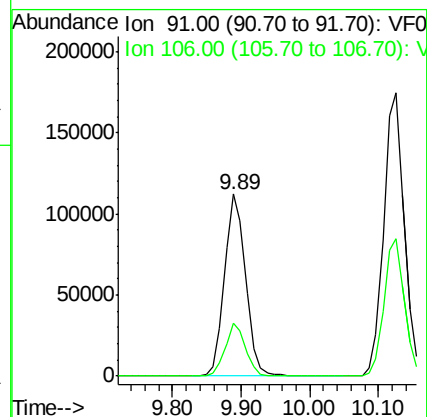
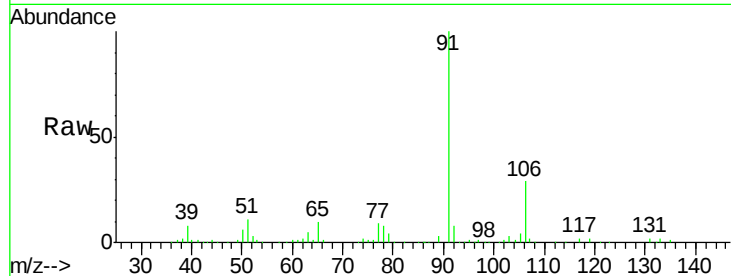
VF0118SBS01

Tot Ion: 91 Resp: 239184

Ion Ratio Lower Upper

91 100

106 28.9 23.1 34.7



#68

m/p-Xylenes

Concen: 43.491 ug/l

RT: 10.13 min Scan# 963

Delta R.T. 0.00 min

Lab File: VF061454.D

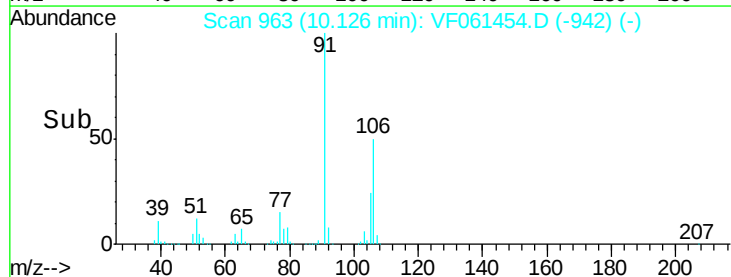
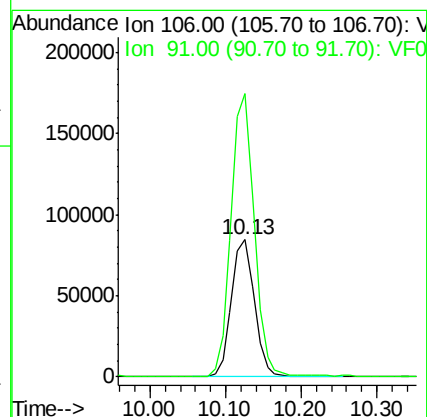
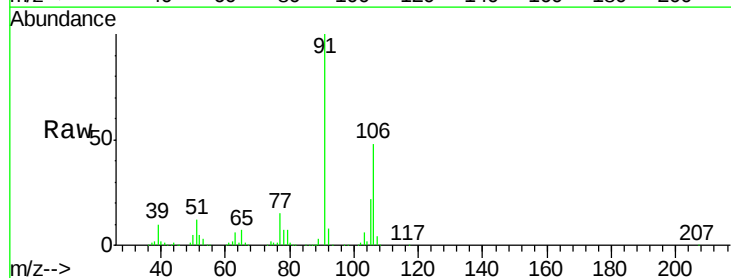
Acq: 18 Jan 2019 12:42

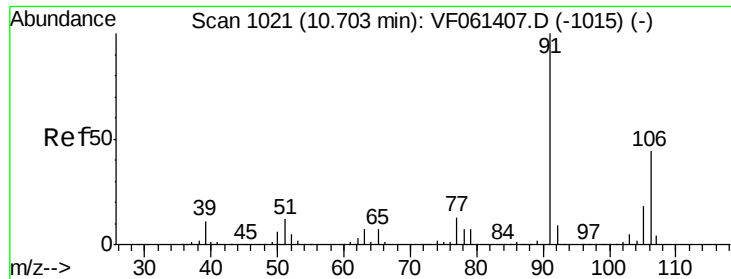
Tgt Ion: 106 Resp: 179900

Ion Ratio Lower Upper

106 100

91 206.4 166.2 249.4

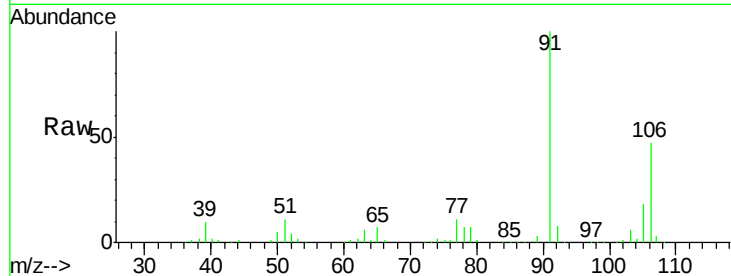




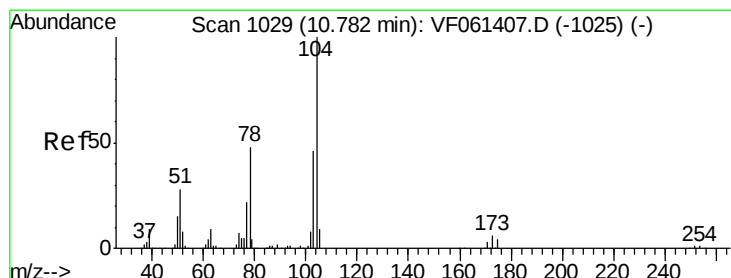
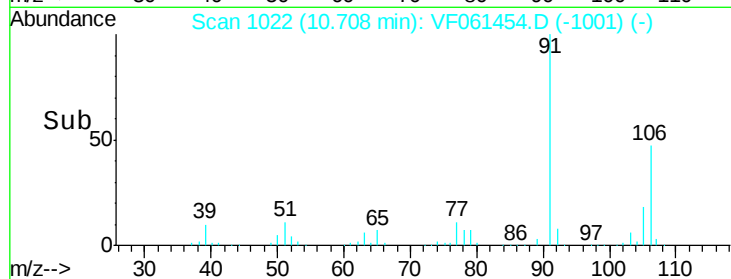
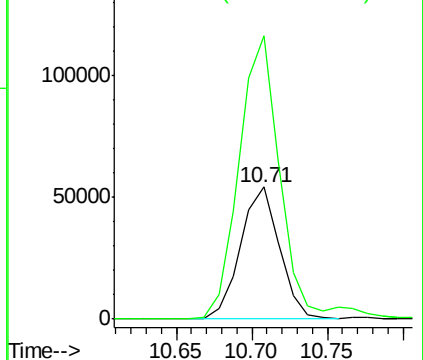
#69
o-Xylene
Concen: 21.884 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. 0.00 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Instrument :
MSVOA_F
ClientSampleId :
VF0118SBS01

Tot Ion:106 Resp: 98109
Ion Ratio Lower Upper
106 100
91 214.7 113.3 339.8

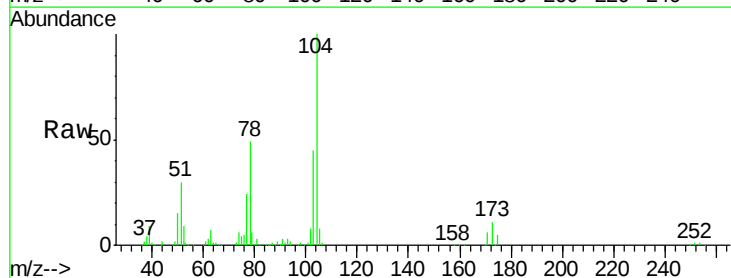


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

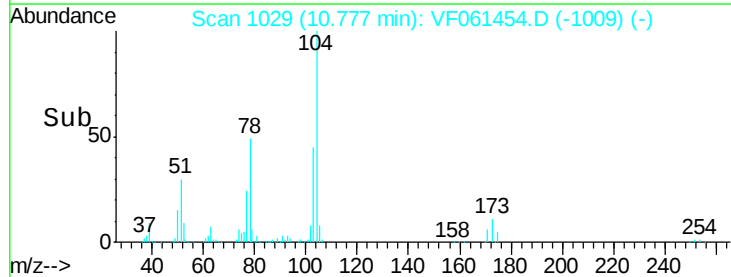
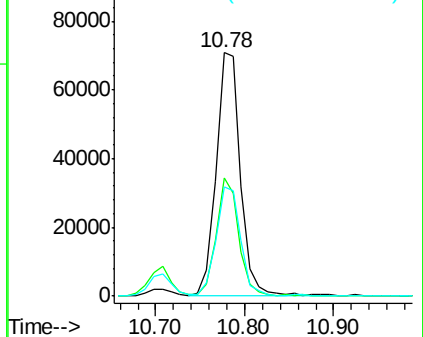


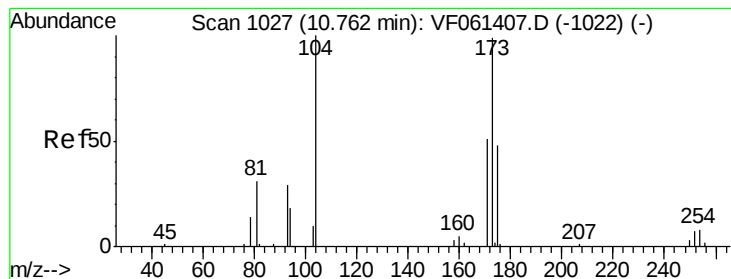
#70
Styrene
Concen: 21.910 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Tgt Ion:104 Resp: 134455
Ion Ratio Lower Upper
104 100
78 48.7 38.8 58.2
103 44.7 37.0 55.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 20.750 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. 0.00 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0118SBS01

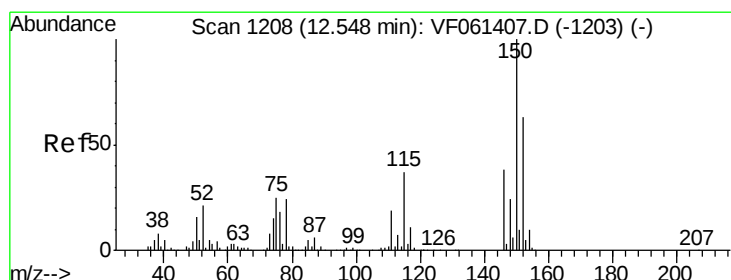
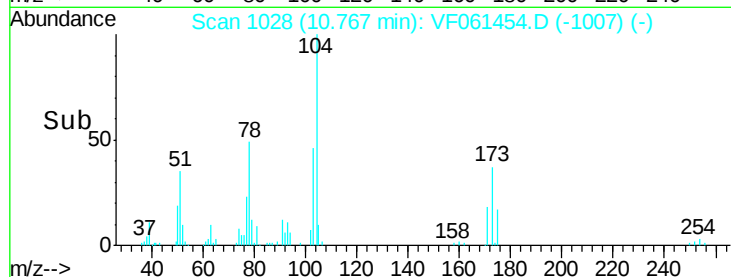
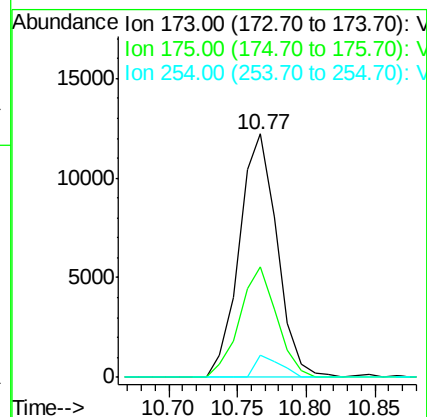
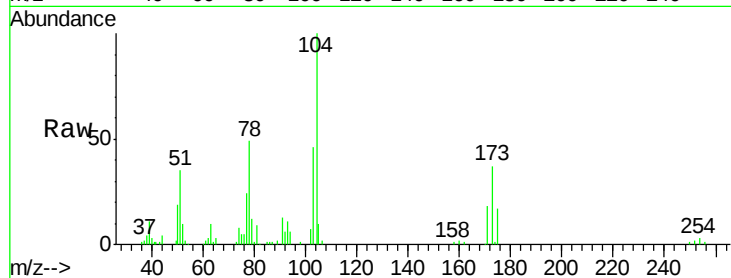
Tot Ion:173 Resp: 23379

Ion Ratio Lower Upper

173 100

175 45.3 24.1 72.4

254 9.3 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

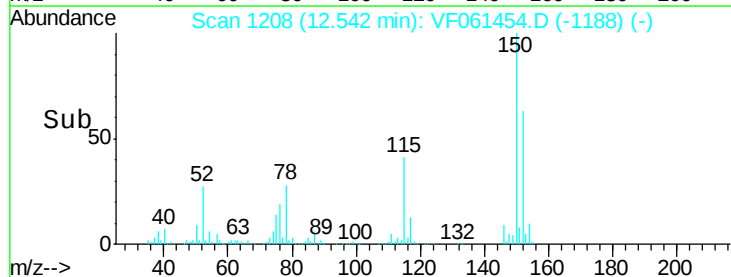
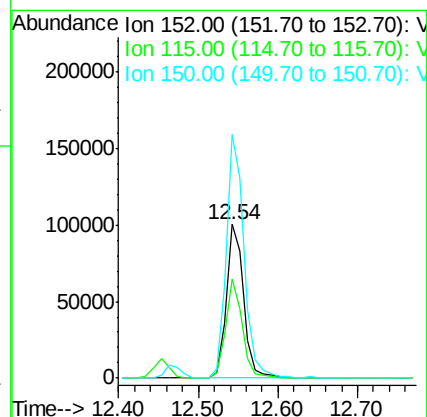
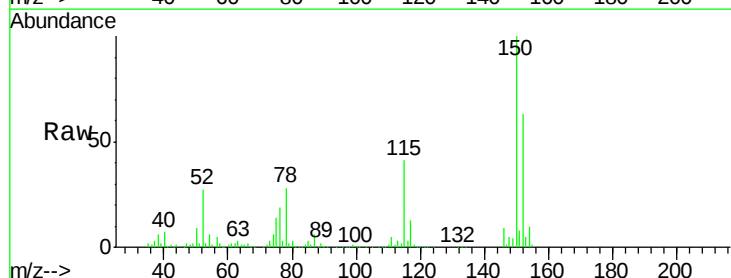
Tgt Ion:152 Resp: 154297

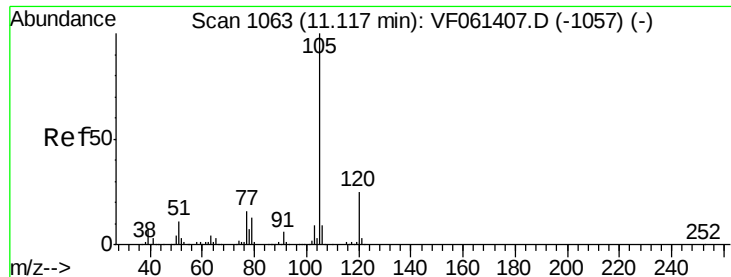
Ion Ratio Lower Upper

152 100

115 64.4 30.0 90.0

150 158.4 0.0 321.4





#73

Isopropylbenzene

Concen: 22.733 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

ClientSampleId :

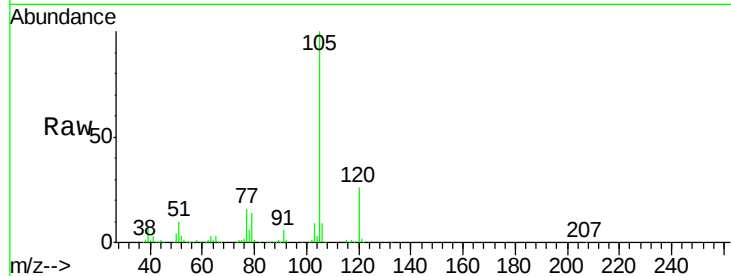
VF0118SBS01

Tot Ion:105 Resp: 285287

Ion Ratio Lower Upper

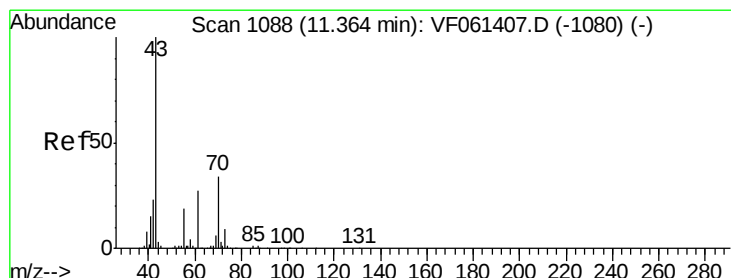
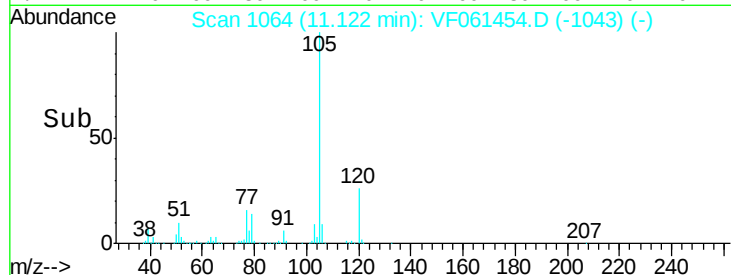
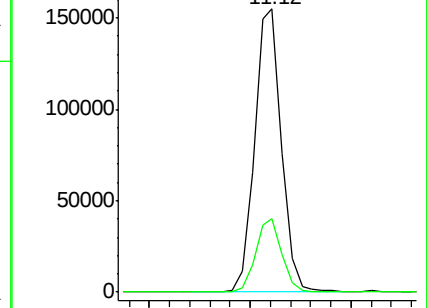
105 100

120 26.0 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 23.546 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Tgt Ion: 43 Resp: 69872

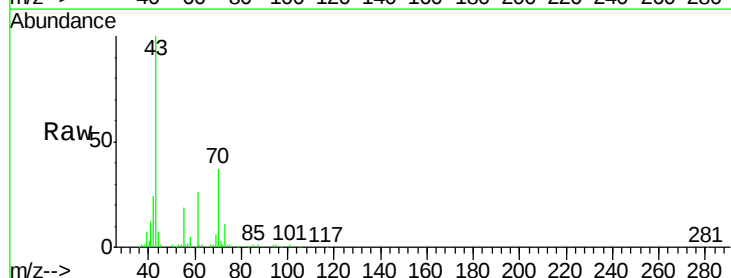
Ion Ratio Lower Upper

43 100

70 37.3 27.6 41.4

55 18.8 15.4 23.2

61 25.9 21.8 32.6

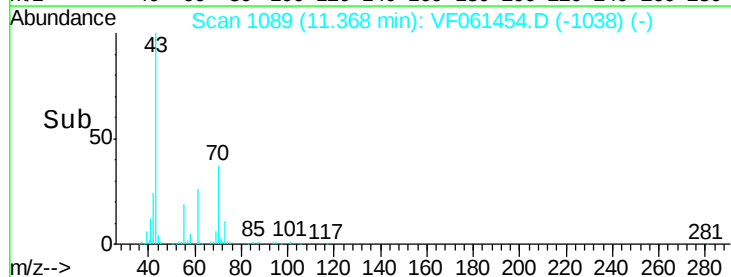
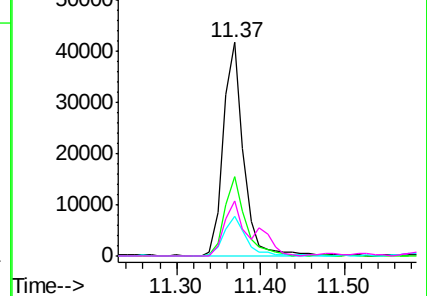


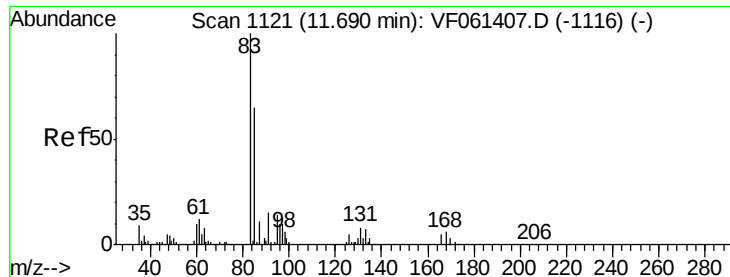
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.031 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0118SBS01

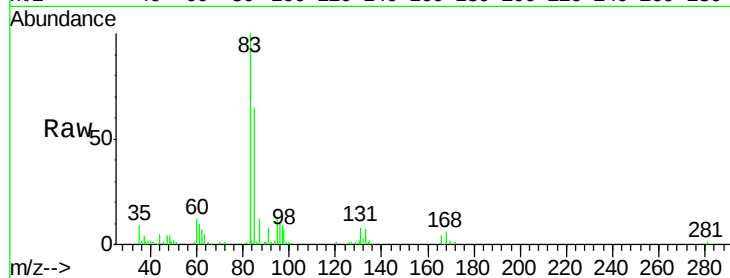
Tot Ion: 83 Resp: 47017

Ion Ratio Lower Upper

83 100

131 7.8 4.0 12.2

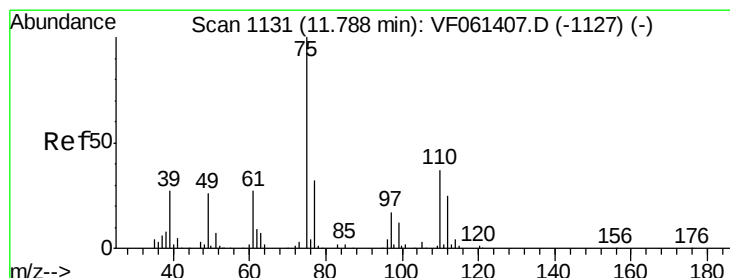
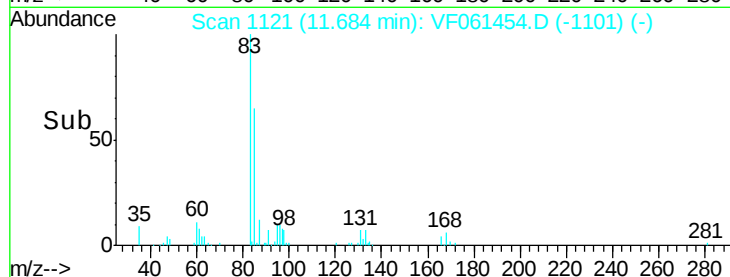
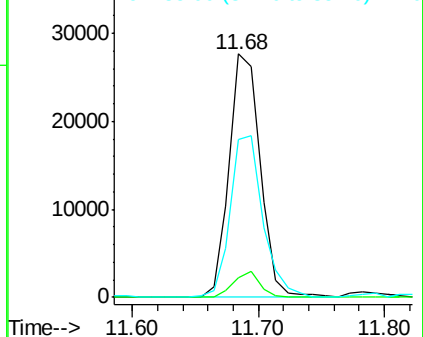
85 65.0 32.7 98.1



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: 20.943 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF061454.D

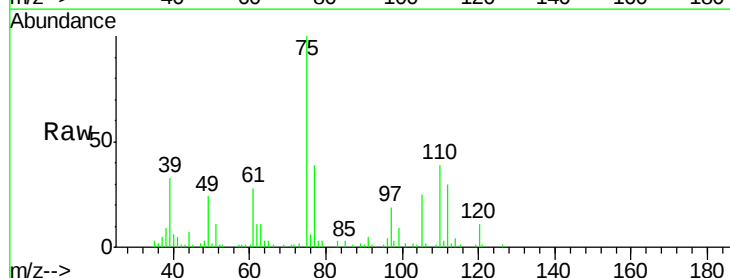
Acq: 18 Jan 2019 12:42

Tgt Ion: 75 Resp: 33642

Ion Ratio Lower Upper

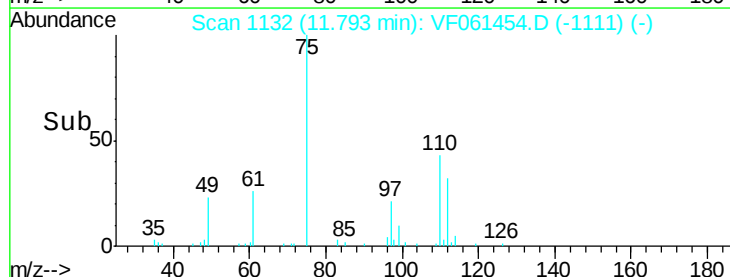
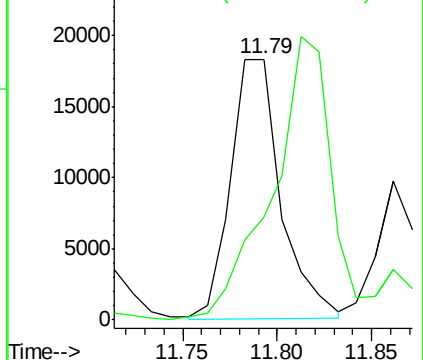
75 100

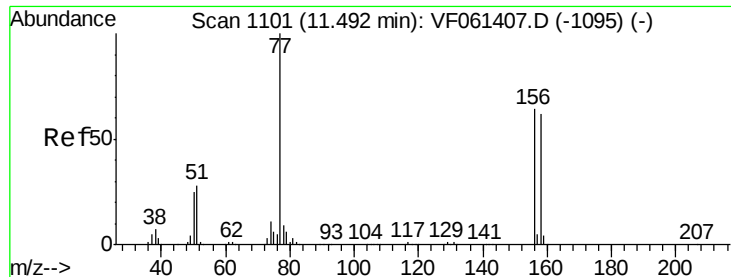
77 39.3 16.1 48.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 20.684 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0118SBS01

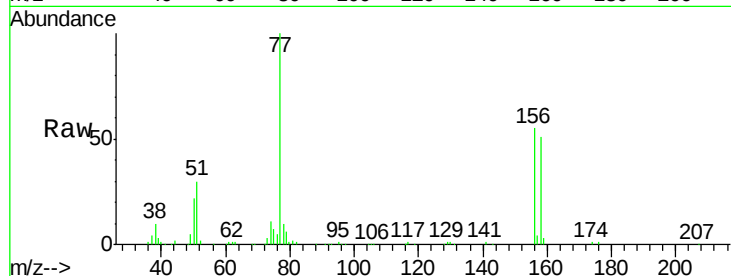
Tot Ion:156 Resp: 54818

Ion Ratio Lower Upper

156 100

77 182.7 78.3 234.9

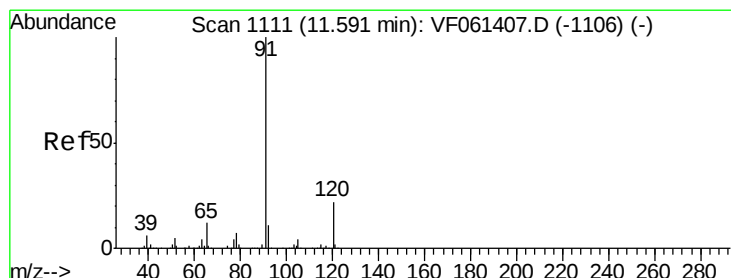
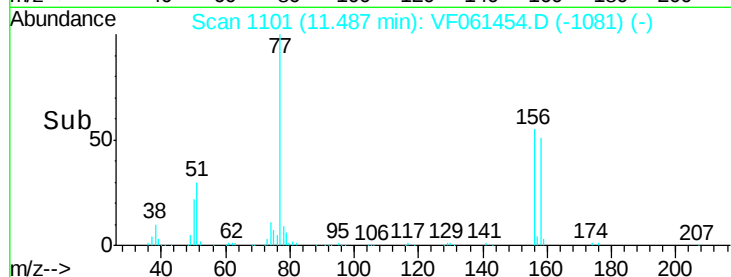
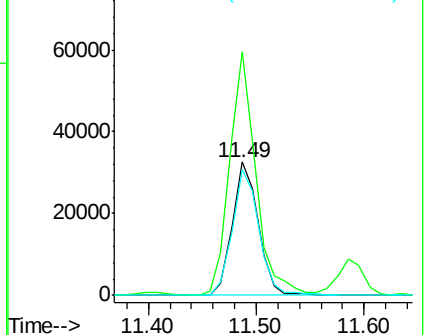
158 94.0 48.9 146.7



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 21.422 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VF061454.D

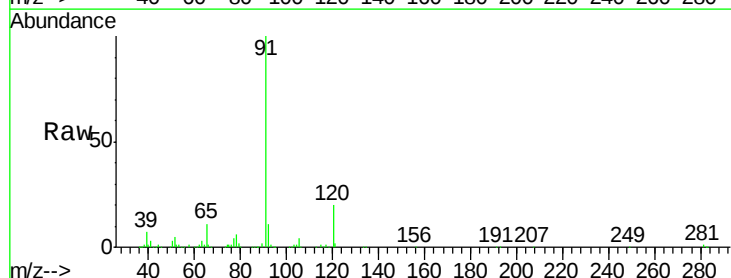
Acq: 18 Jan 2019 12:42

Tgt Ion: 91 Resp: 349370

Ion Ratio Lower Upper

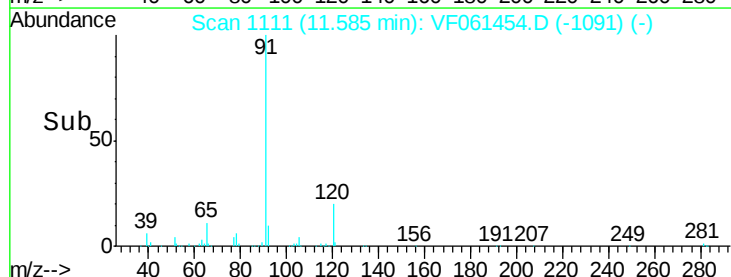
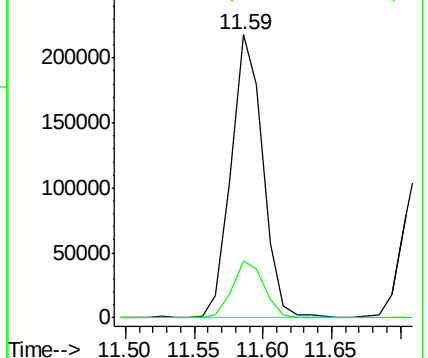
91 100

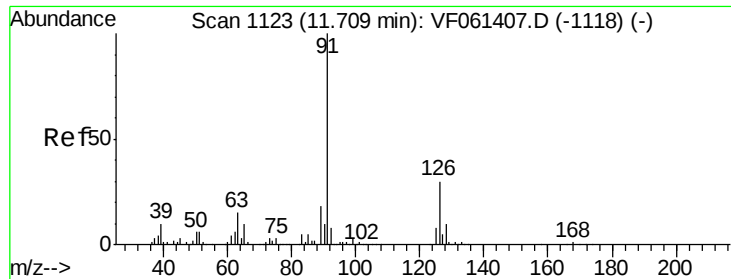
120 20.1 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.785 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

ClientSampleId :

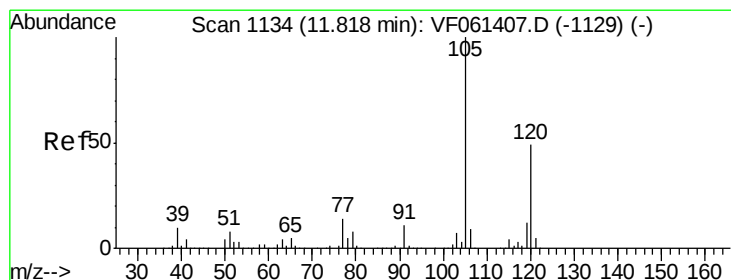
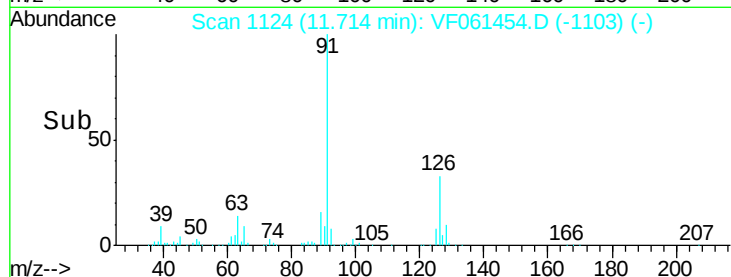
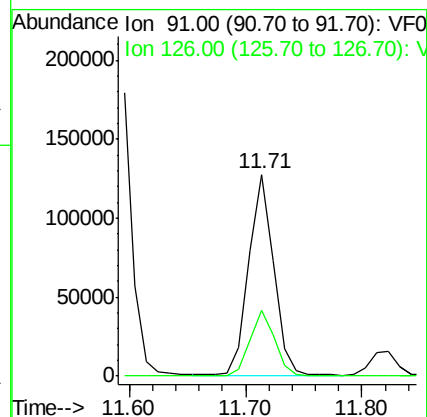
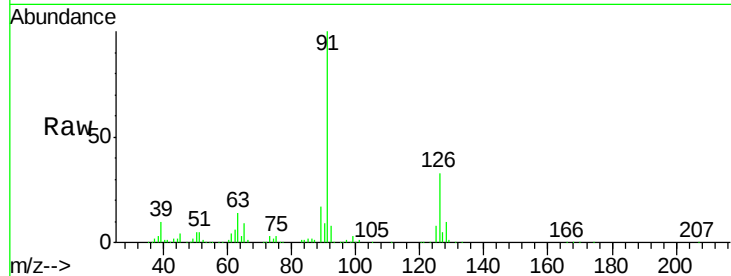
VF0118SBS01

Tot Ion: 91 Resp: 189689

Ion Ratio Lower Upper

91 100

126 32.5 15.0 45.1



#80

1,3,5-Trimethylbenzene

Concen: 22.806 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VF061454.D

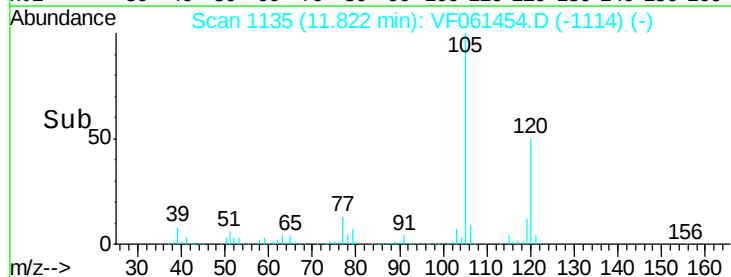
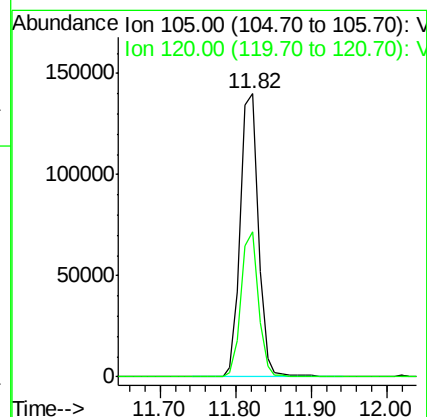
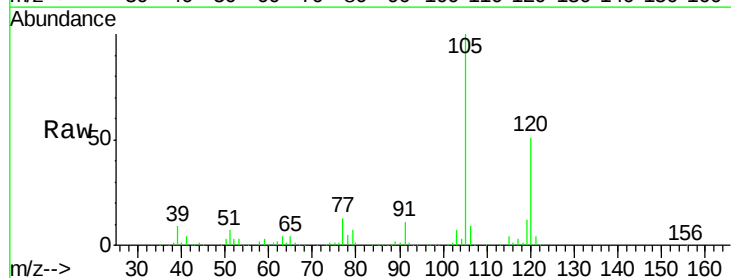
Acq: 18 Jan 2019 12:42

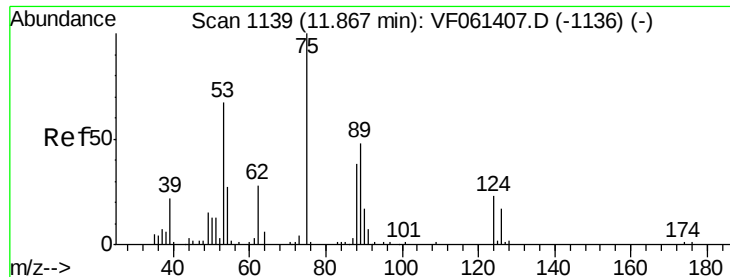
Tgt Ion: 105 Resp: 230967

Ion Ratio Lower Upper

105 100

120 51.2 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 29.859 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

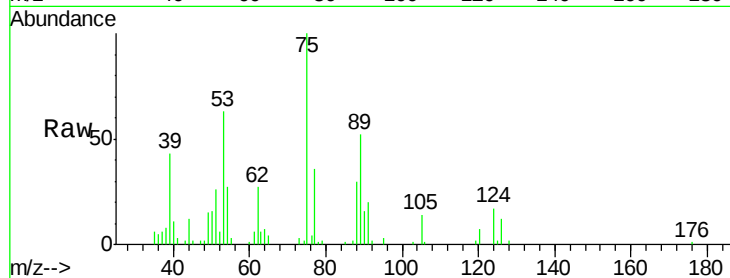
MSVOA_F

ClientSampleId :

VF0118SBS01

Tot Ion: 75 Resp: 20851

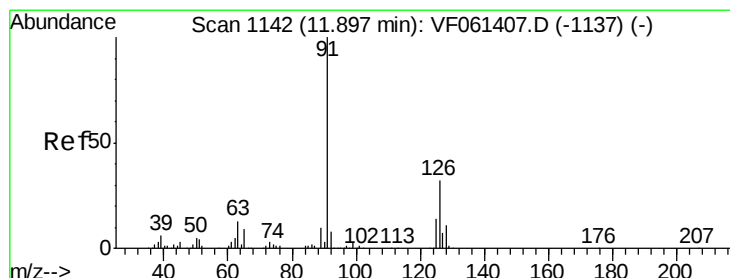
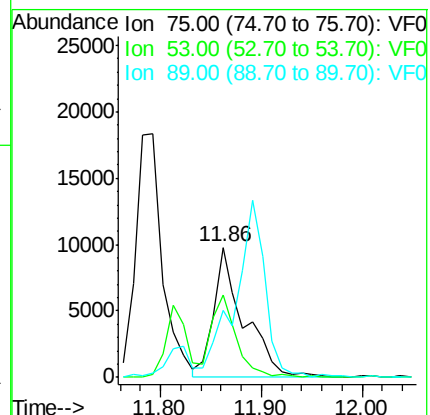
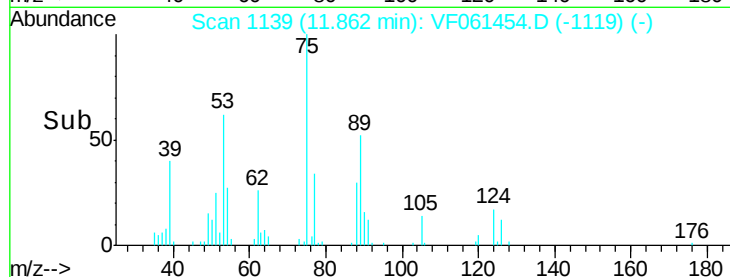
Ion	Ratio	Lower	Upper
75	100		
53	63.0	57.8	86.6
89	51.9	40.7	61.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 21.876 ug/l

RT: 11.89 min Scan# 1142

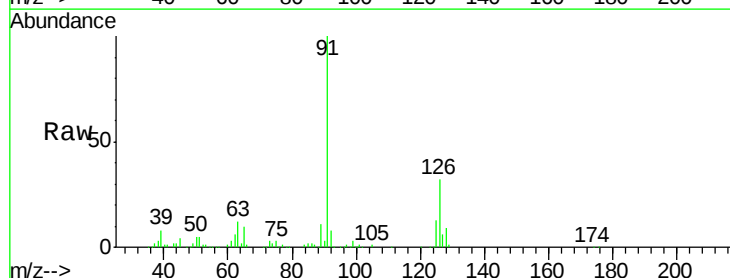
Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

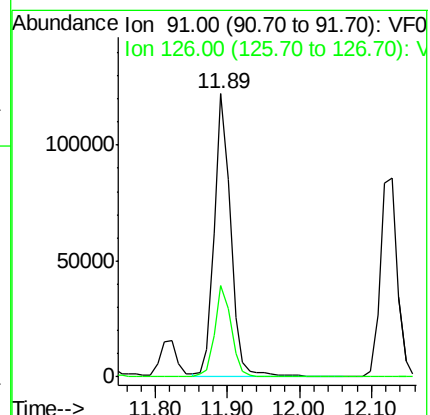
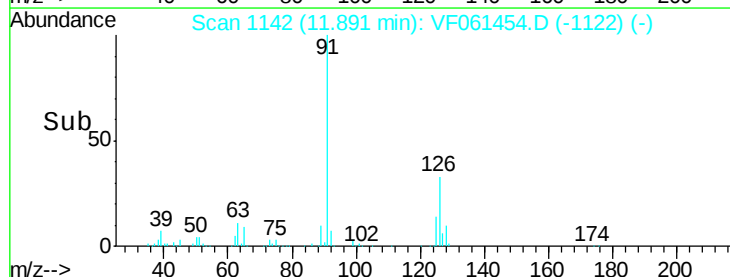
Tgt Ion: 91 Resp: 192214

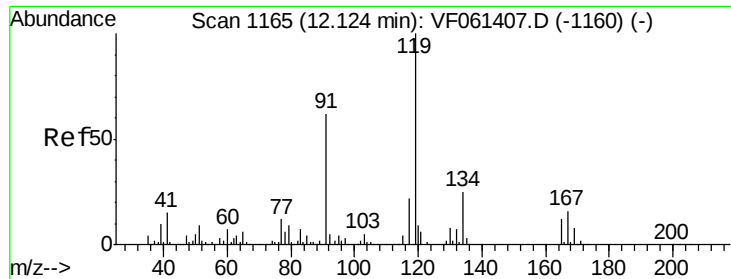
Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.0	47.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

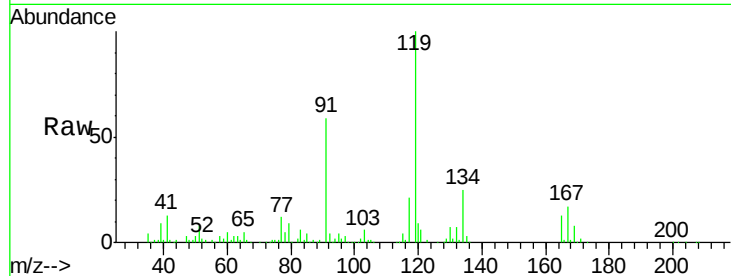




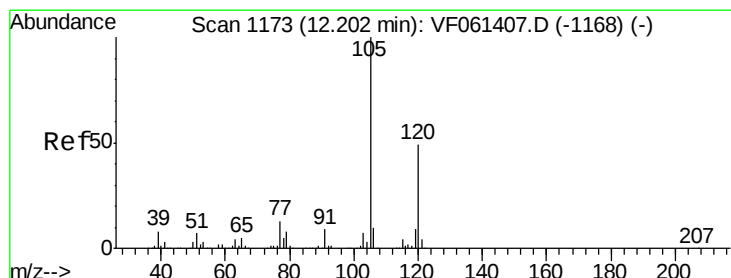
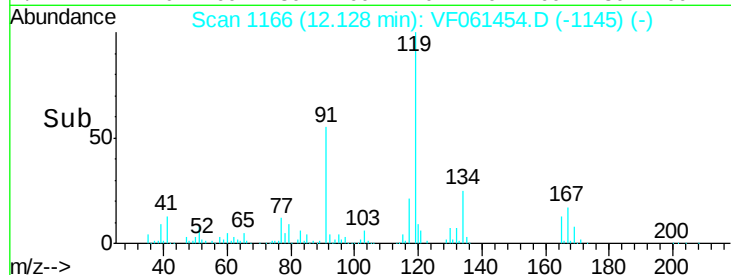
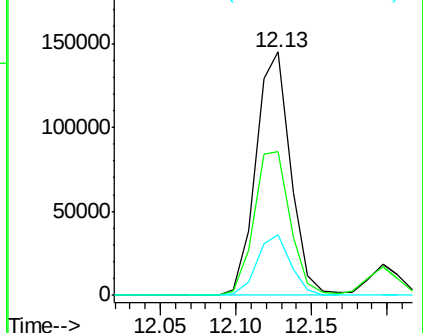
#83
tert-Butylbenzene
Concen: 22.158 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. 0.00 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Instrument :
MSVOA_F
ClientSampleId :
VF0118SBS01

Tot Ion:119 Resp: 232259
Ion Ratio Lower Upper
119 100
91 59.1 31.3 93.8
134 24.8 12.4 37.0

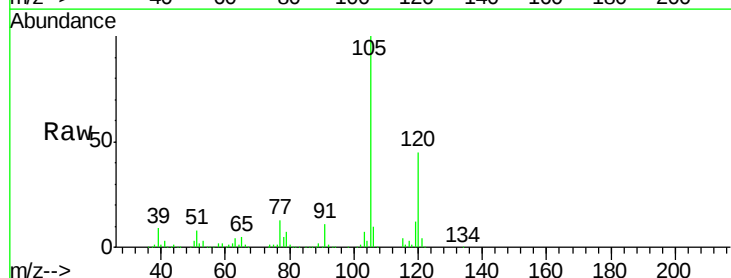


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

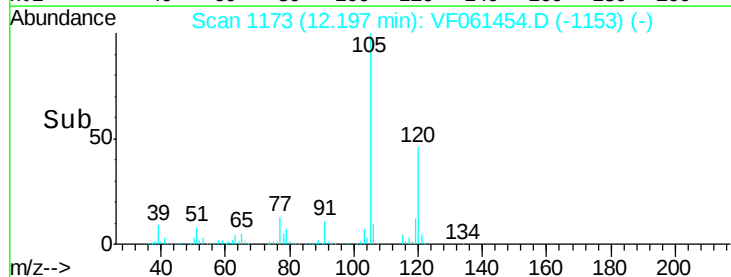
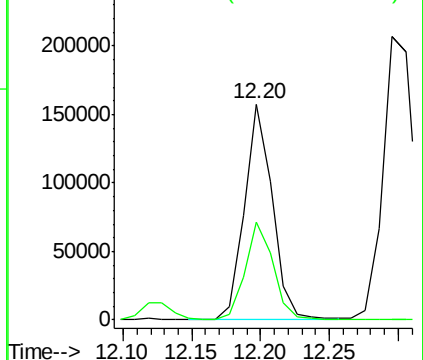


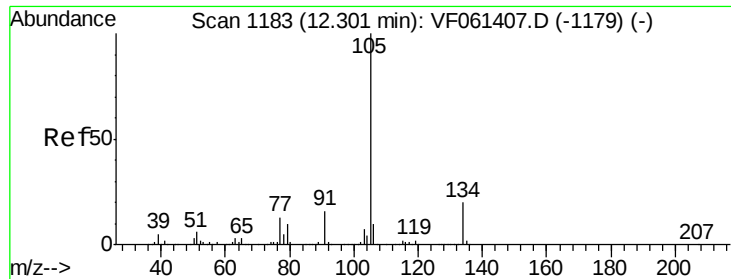
#84
1,2,4-Trimethylbenzene
Concen: 21.332 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. -0.01 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Tgt Ion:105 Resp: 222528
Ion Ratio Lower Upper
105 100
120 45.5 24.9 74.6



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





#85

sec-Butylbenzene

Concen: 23.236 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

ClientSampleId :

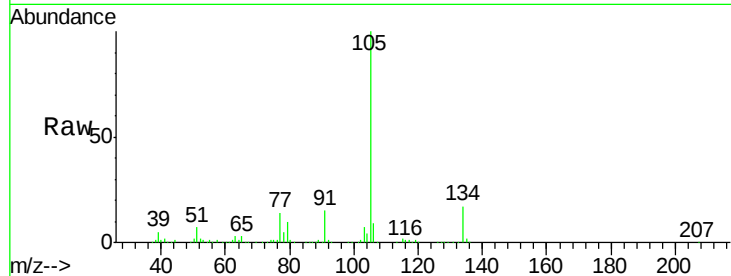
VF0118SBS01

Tot Ion:105 Resp: 330764

Ion Ratio Lower Upper

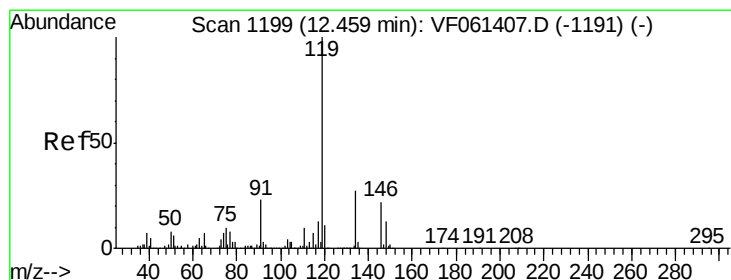
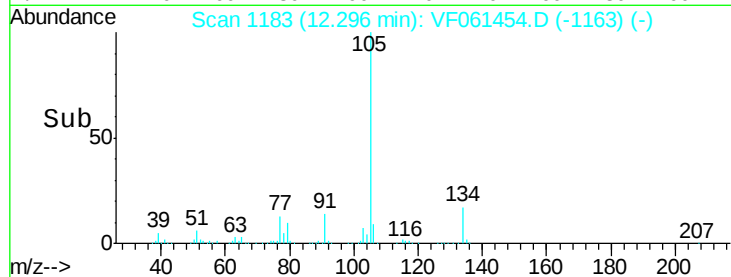
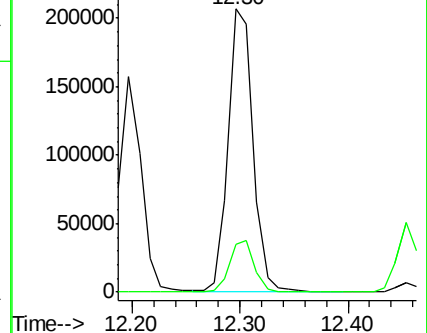
105 100

134 17.0 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.980 ug/l

RT: 12.45 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

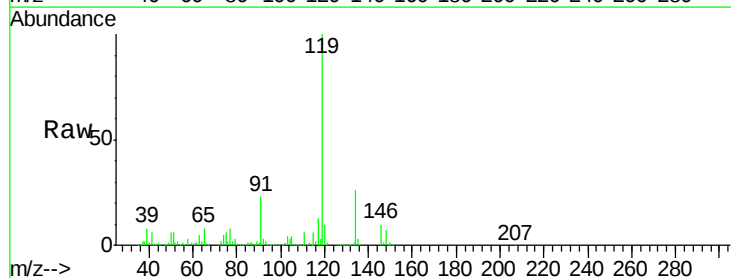
Tgt Ion:119 Resp: 268532

Ion Ratio Lower Upper

119 100

134 25.8 13.4 40.2

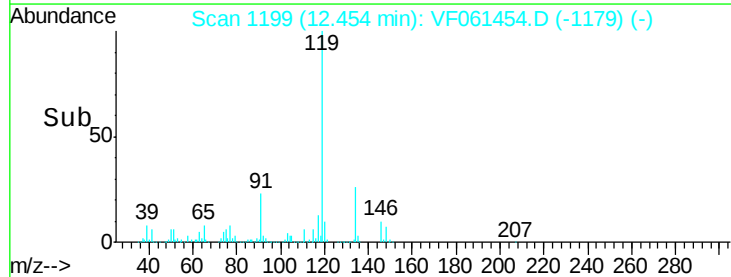
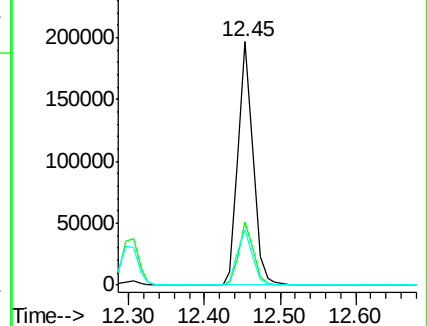
91 22.8 11.4 34.2



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

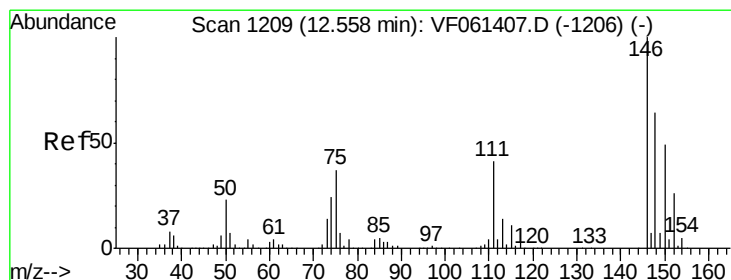
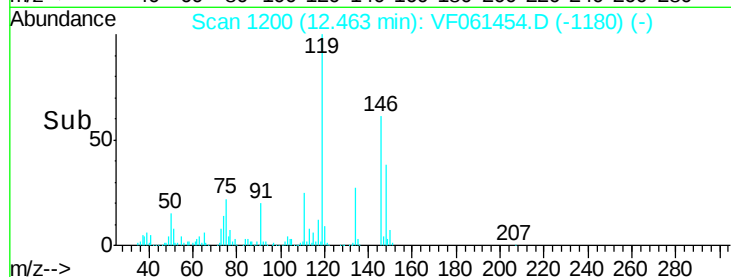
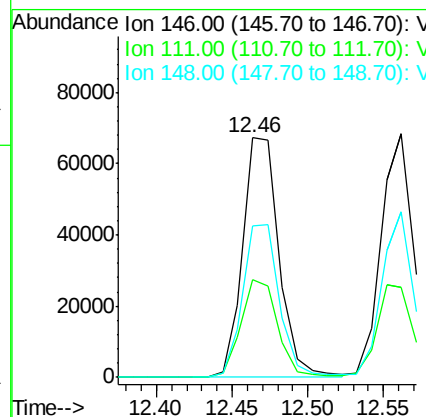
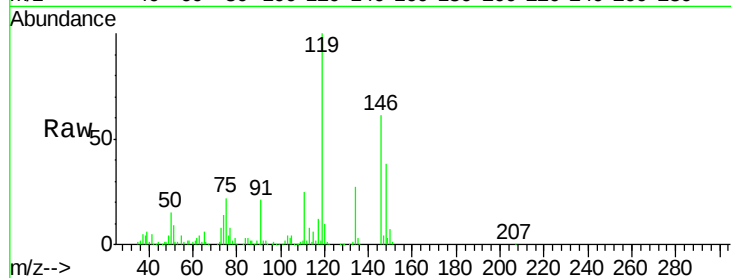




#87
 1,3-Dichlorobenzene
 Concen: 20.218 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VF061454.D
 Acq: 18 Jan 2019 12:42

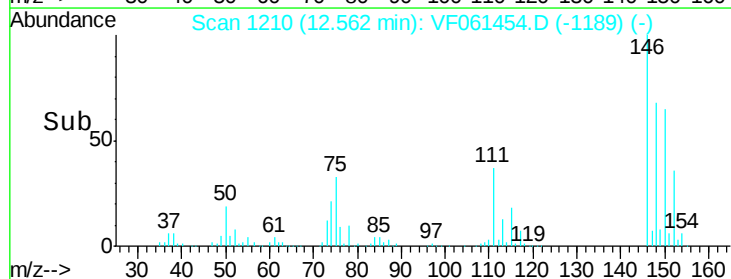
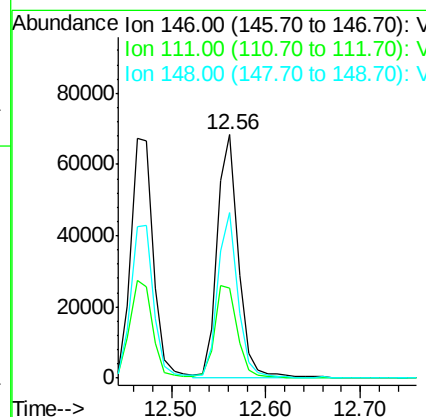
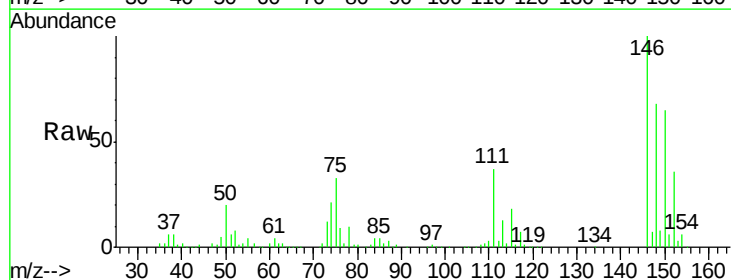
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0118SBS01

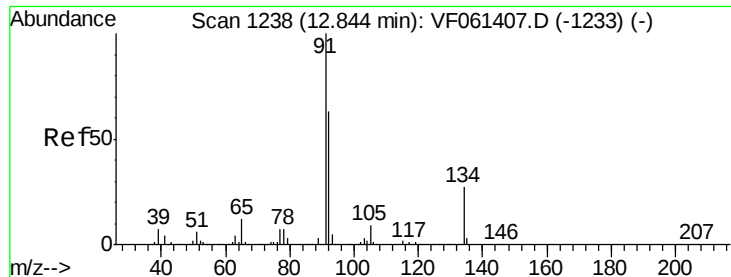
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	21.1	63.4
148	63.1	32.9	98.6



#88
 1,4-Dichlorobenzene
 Concen: 21.444 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: VF061454.D
 Acq: 18 Jan 2019 12:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	20.8	62.2
148	67.8	32.1	96.5

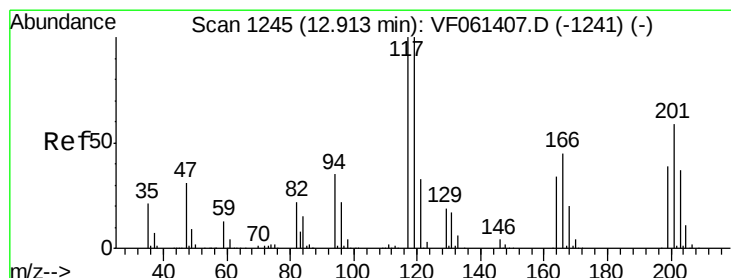
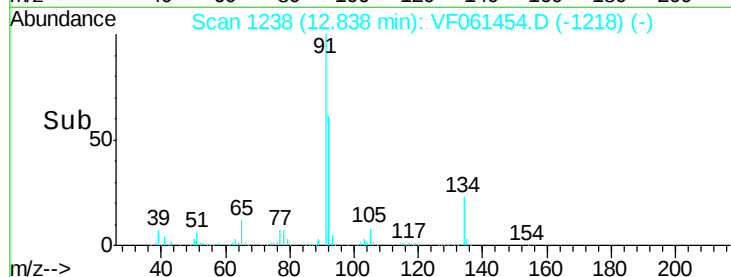
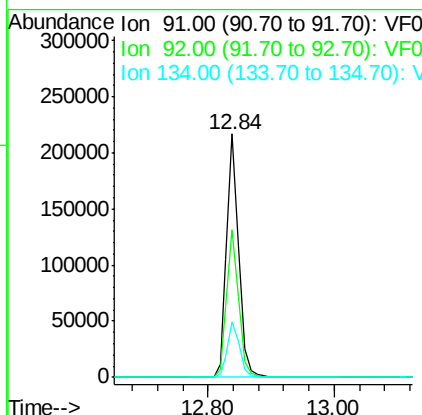
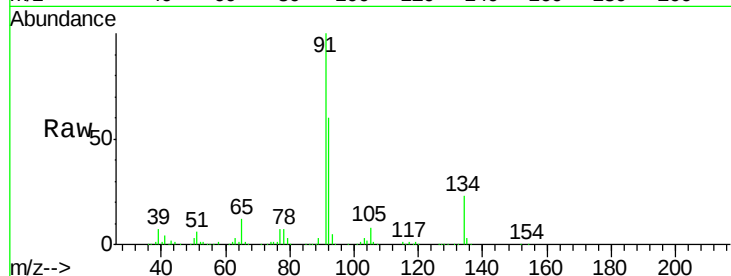




#89
n-Butylbenzene
Concen: 24.105 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

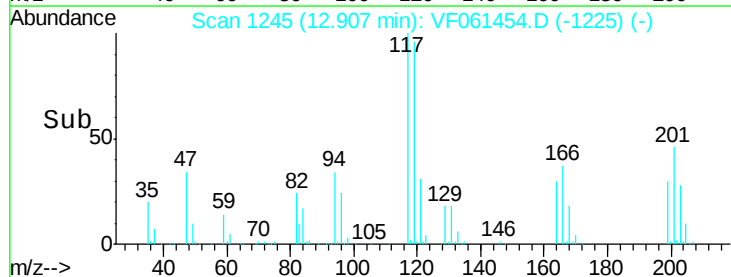
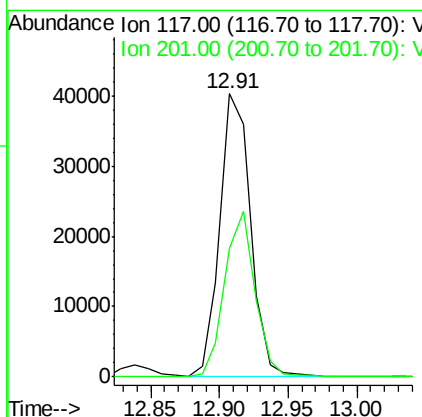
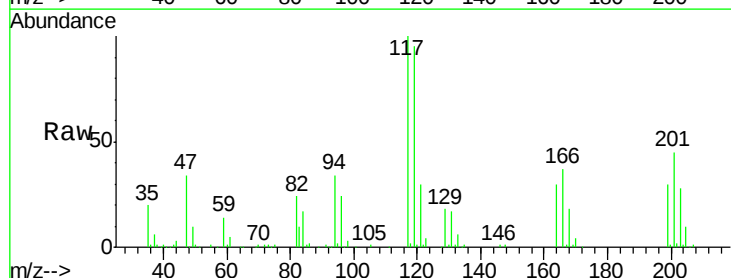
Instrument :
MSVOA_F
ClientSampleId :
VF0118SBS01

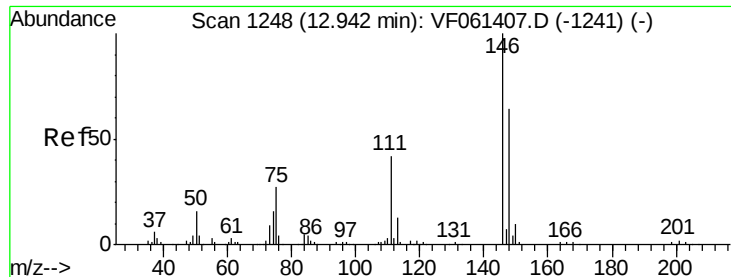
Tot Ion: 91 Resp: 290495
Ion Ratio Lower Upper
91 100
92 60.5 31.6 94.7
134 22.9 13.6 40.8



#90
Hexachloroethane
Concen: 22.722 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.01 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Tgt Ion: 117 Resp: 62590
Ion Ratio Lower Upper
117 100
201 45.4 29.3 87.8

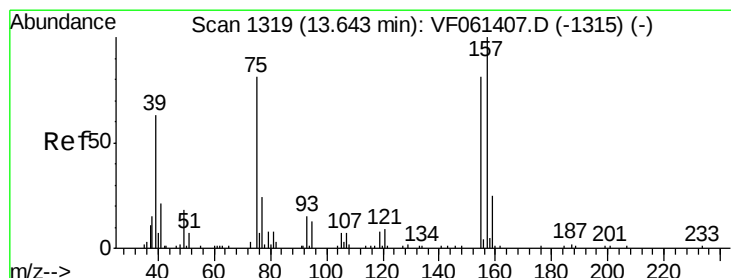
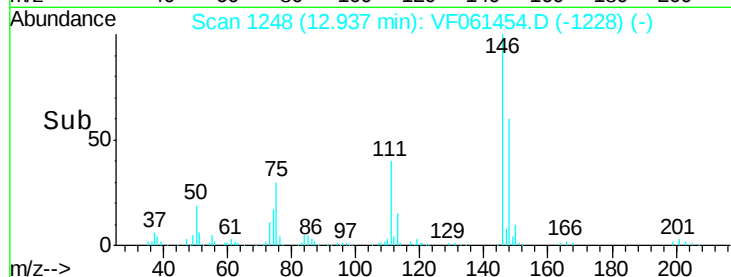
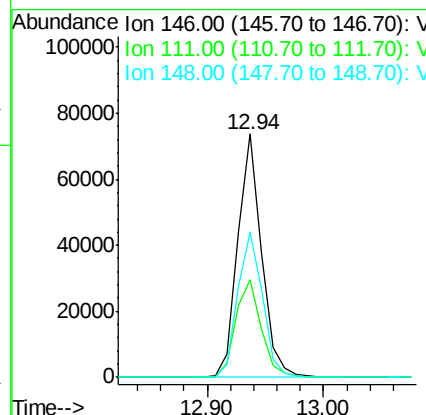
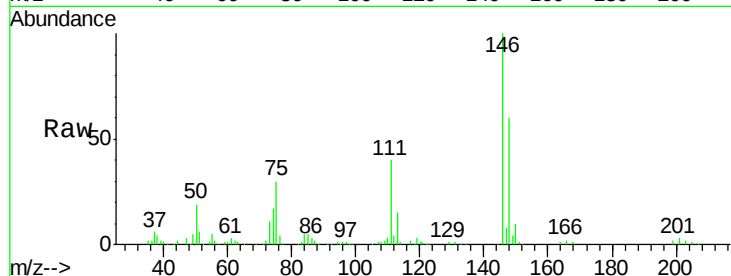




#91
 1,2-Dichlorobenzene
 Concen: 21.120 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.01 min
 Lab File: VF061454.D
 Acq: 18 Jan 2019 12:42

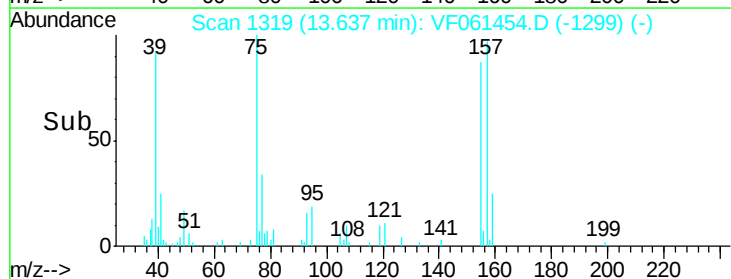
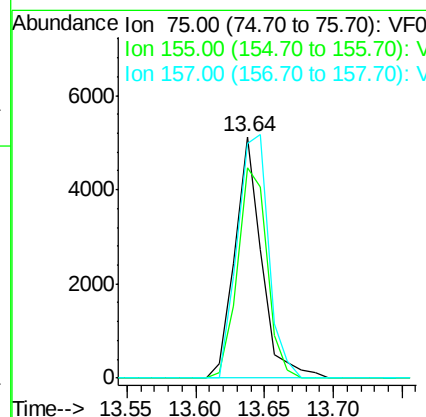
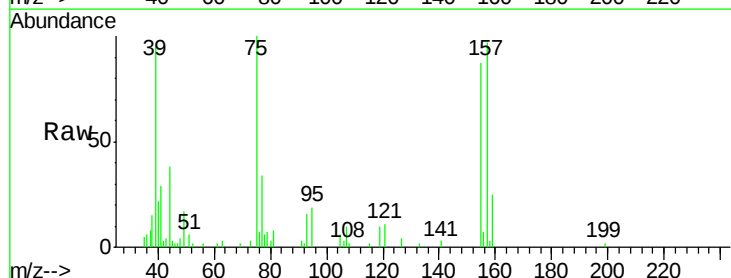
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0118SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	21.1	63.3
148	59.8	31.9	95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.469 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: VF061454.D
 Acq: 18 Jan 2019 12:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.0	49.7	149.1
157	97.5	61.4	184.1

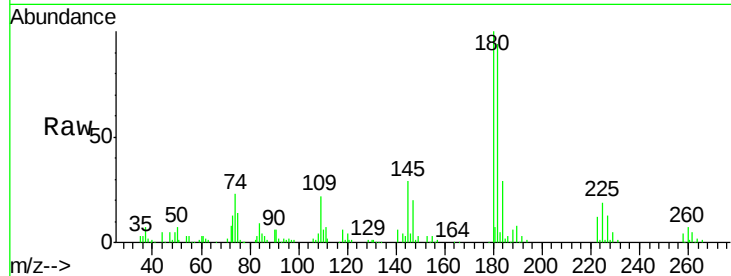




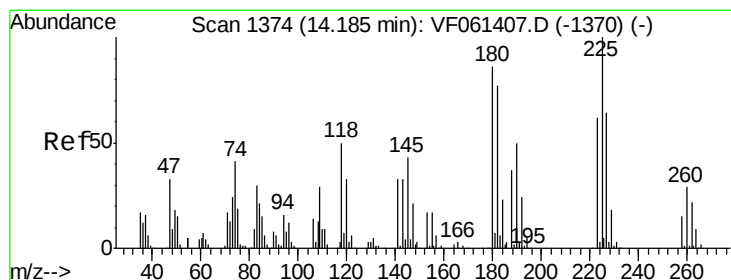
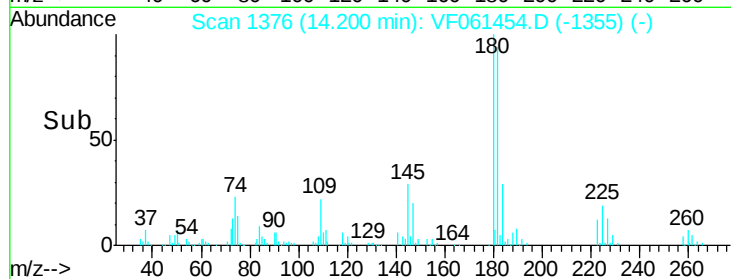
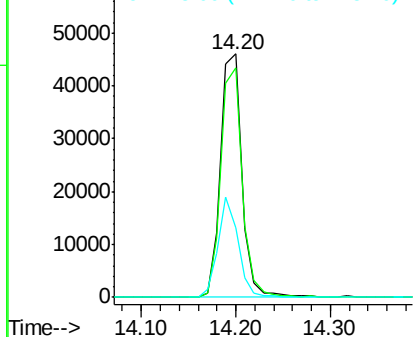
#93
 1,2,4-Trichlorobenzene
 Concen: 20.891 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VF061454.D
 Acq: 18 Jan 2019 12:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0118SBS01

Tot Ion:180 Resp: 72558
 Ion Ratio Lower Upper
 180 100
 182 94.2 48.5 145.6
 145 28.7 17.5 52.6

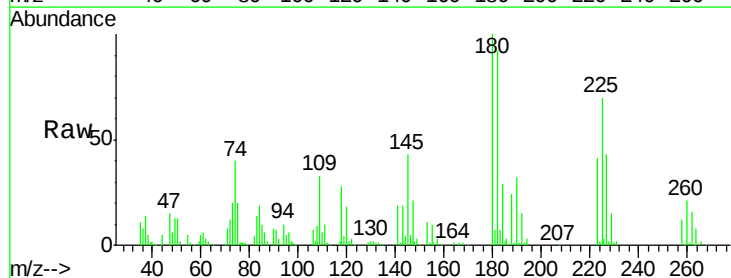


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

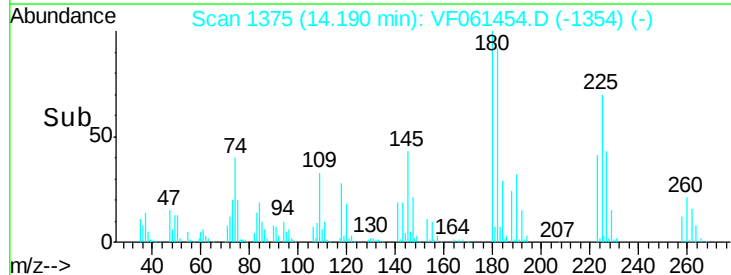
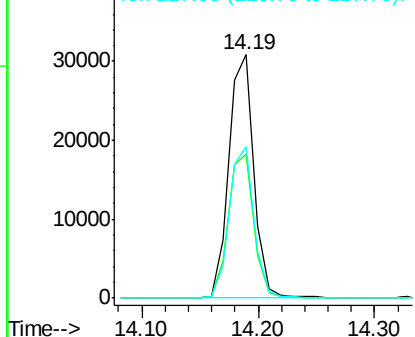


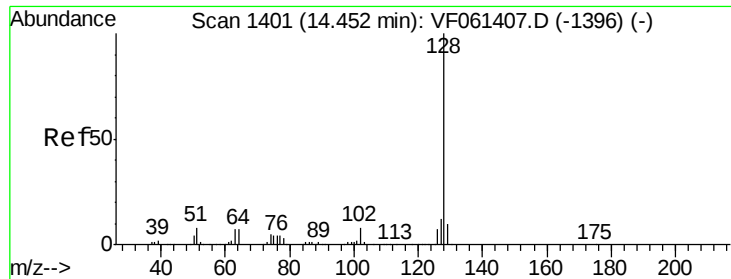
#94
 Hexachlorobutadiene
 Concen: 21.294 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: VF061454.D
 Acq: 18 Jan 2019 12:42

Tgt Ion:225 Resp: 45891
 Ion Ratio Lower Upper
 225 100
 223 59.0 31.1 93.2
 227 62.1 32.2 96.6



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

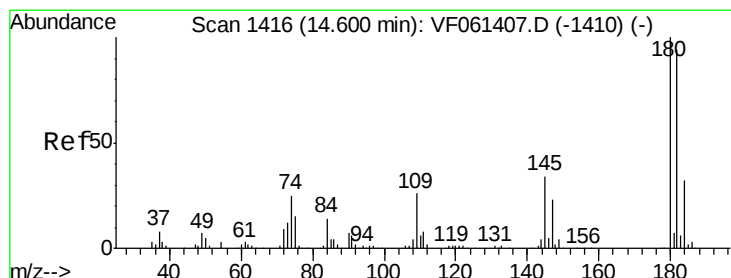
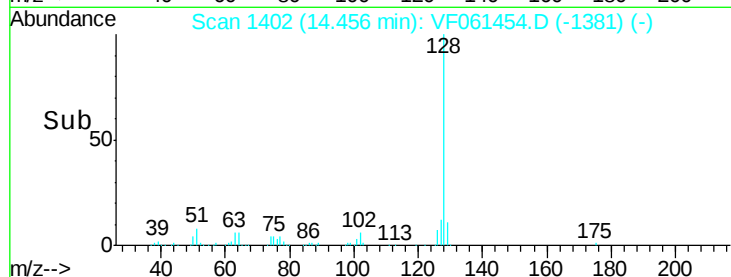
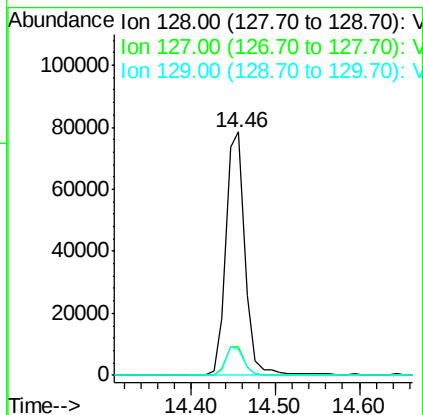
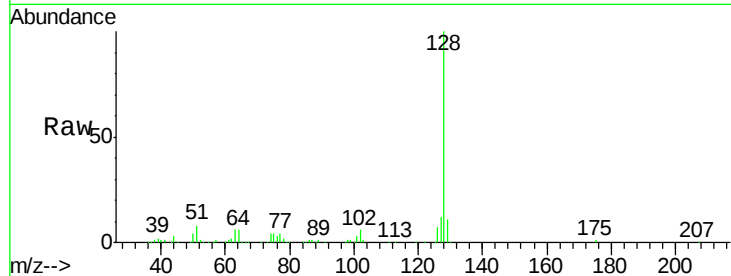




#95
Naphthalene
Concen: 18.837 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. 0.00 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Instrument :
MSVOA_F
ClientSampleId :
VF0118SBS01

Tot Ion:128 Resp: 124299
Ion Ratio Lower Upper
128 100
127 11.6 9.5 14.3
129 10.6 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 19.756 ug/l
RT: 14.59 min Scan# 1416
Delta R.T. -0.01 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Tgt Ion:180 Resp: 63515
Ion Ratio Lower Upper
180 100
182 92.8 47.0 141.2
145 36.7 17.1 51.2

