

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF020719\
 Data File : VF061544.D
 Acq On : 7 Feb 2019 14:49
 Operator : VA/AP
 Sample : VF0207SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0207SBS01

Quant Time: Feb 09 04:33:36 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	185127	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	313657	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	267412	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	149812	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	112003	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
35) Dibromofluoromethane	4.11	113	118439	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
50) Toluene-d8	7.54	98	319475	47.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.22%	
62) 4-Bromofluorobenzene	11.41	95	147963	46.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	55269	15.194	ug/l	87
3) Chloromethane	1.09	50	43207	16.200	ug/l	95
4) Vinyl Chloride	1.13	62	40588	17.107	ug/l	99
5) Bromomethane	1.32	94	25954	16.776	ug/l	89
6) Chloroethane	1.40	64	19051	18.122	ug/l	100
7) Trichlorofluoromethane	1.47	101	76568	16.601	ug/l	92
8) Diethyl Ether	1.62	74	9993	16.909	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	1.83	101	38703	17.464	ug/l	91
10) Methyl Iodide	1.91	142	43786	12.744	ug/l	97
11) Tert butyl alcohol	2.58	59	9125	94.319	ug/l #	83
12) 1,1-Dichloroethene	1.79	96	28233	17.147	ug/l	96
13) Acrolein	2.00	56	4535	62.508	ug/l	92
14) Allyl chloride	2.10	41	43843	21.150	ug/l	88
15) Acrylonitrile	2.93	53	21632	87.290	ug/l	94
16) Acetone	2.23	43	54930	119.797	ug/l	97
17) Carbon Disulfide	1.81	76	83804	16.324	ug/l	97
18) Methyl Acetate	2.34	43	15645	17.205	ug/l	96
19) Methyl tert-butyl Ether	2.42	73	64255	17.408	ug/l #	91
20) Methylene Chloride	2.17	84	12857	6.740	ug/l	94
21) trans-1,2-Dichloroethene	2.30	96	29930	16.522	ug/l	95
22) Diisopropyl ether	2.80	45	106831	18.232	ug/l	99
23) Vinyl Acetate	3.18	43	240341	95.258	ug/l	99
24) 1,1-Dichloroethane	2.87	63	61223	16.648	ug/l	98
25) 2-Butanone	4.33	43	76554	100.398	ug/l	99
26) 2,2-Dichloropropane	3.60	77	42116	18.640	ug/l	95
27) cis-1,2-Dichloroethene	3.47	96	47747	17.855	ug/l	96
28) Bromochloromethane	3.71	49	33758	20.422	ug/l	86
29) Tetrahydrofuran	4.07	42	30179	91.917	ug/l	99
30) Chloroform	3.85	83	89282	17.989	ug/l	95
31) Cyclohexane	3.67	56	39905	10.863	ug/l	87
32) 1,1,1-Trichloroethane	4.09	97	58467	16.066	ug/l	96
36) 1,1-Dichloropropene	4.28	75	64295	17.680	ug/l	98
37) Ethyl Acetate	4.11	43	26924	18.521	ug/l #	68
38) Carbon Tetrachloride	3.98	117	56058	17.632	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	65565	16.636	ug/l	91
40) Benzene	4.62	78	150520	18.600	ug/l	99
41) Methacrylonitrile	4.74	41	13582	17.559	ug/l #	92
42) 1,2-Dichloroethane	4.93	62	53469	18.542	ug/l	100
43) Isopropyl Acetate	6.95	43	30917	16.945	ug/l #	90
44) Trichloroethene	5.50	130	46020	18.538	ug/l	89
45) 1,2-Dichloropropane	6.23	63	39590	18.641	ug/l	100
46) Dibromomethane	6.07	93	24586	17.409	ug/l	88
47) Bromodichloromethane	6.38	83	62820	17.979	ug/l	99
48) Methyl methacrylate	6.71	41	19664	16.050	ug/l	93
49) 1,4-Dioxane	6.70	88	3359	347.477	ug/l #	85
51) 4-Methyl-2-Pentanone	8.25	43	123708	92.230	ug/l	93
52) Toluene	7.62	92	94279	17.692	ug/l	97
53) t-1,3-Dichloropropene	8.27	75	50262	18.115	ug/l	98
54) cis-1,3-Dichloropropene	7.29	75	66406	19.148	ug/l	99
55) 1,1,2-Trichloroethane	8.48	97	28703	18.967	ug/l	97
56) Ethyl methacrylate	8.62	69	31790	18.056	ug/l	97
57) 1,3-Dichloropropane	8.84	76	48460	17.085	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.28	63	22621	136.557	ug/l	97
59) 2-Hexanone	9.48	43	100008	106.925	ug/l	96
60) Dibromochloromethane	8.70	129	40345	18.236	ug/l	98
61) 1,2-Dibromoethane	8.98	107	29509	17.034	ug/l	98
64) Tetrachloroethene	8.14	164	39142	19.464	ug/l	93
65) Chlorobenzene	9.79	112	102490	18.847	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.92	131	45693	21.092	ug/l	98
67) Ethyl Benzene	9.89	91	196675	19.795	ug/l	96
68) m/p-Xylenes	10.13	106	140858	39.418	ug/l	98
69) o-Xylene	10.71	106	78127	20.172	ug/l	96
70) Styrene	10.79	104	107927	20.358	ug/l	98
71) Bromoform	10.77	173	22581	23.199	ug/l	95
73) Isopropylbenzene	11.12	105	224256	18.405	ug/l	100
74) N-amyl acetate	11.37	43	60370	20.953	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.68	83	42160	19.423	ug/l	92
76) 1,2,3-Trichloropropane	11.79	75	28743	18.429	ug/l	99
77) Bromobenzene	11.49	156	48219	18.739	ug/l	90
78) n-propylbenzene	11.59	91	278535	17.467	ug/l	96
79) 2-Chlorotoluene	11.71	91	151728	17.947	ug/l	97
80) 1,3,5-Trimethylbenzene	11.82	105	192268	19.553	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.86	75	16712	24.648	ug/l #	84
82) 4-Chlorotoluene	11.89	91	156581	18.354	ug/l	99
83) tert-Butylbenzene	12.13	119	200834	19.733	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	181143	17.884	ug/l	94
85) sec-Butylbenzene	12.30	105	261297	18.906	ug/l	97
86) p-Isopropyltoluene	12.45	119	221145	19.491	ug/l	96
87) 1,3-Dichlorobenzene	12.47	146	95194	17.564	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	94807	19.497	ug/l	96
89) n-Butylbenzene	12.84	91	231629	19.796	ug/l	95
90) Hexachloroethane	12.91	117	55834	20.877	ug/l	84
91) 1,2-Dichlorobenzene	12.94	146	89327	18.557	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.64	75	6816	17.704	ug/l	81

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Quant Title : SW846 8260
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Response via : Initial Calibration

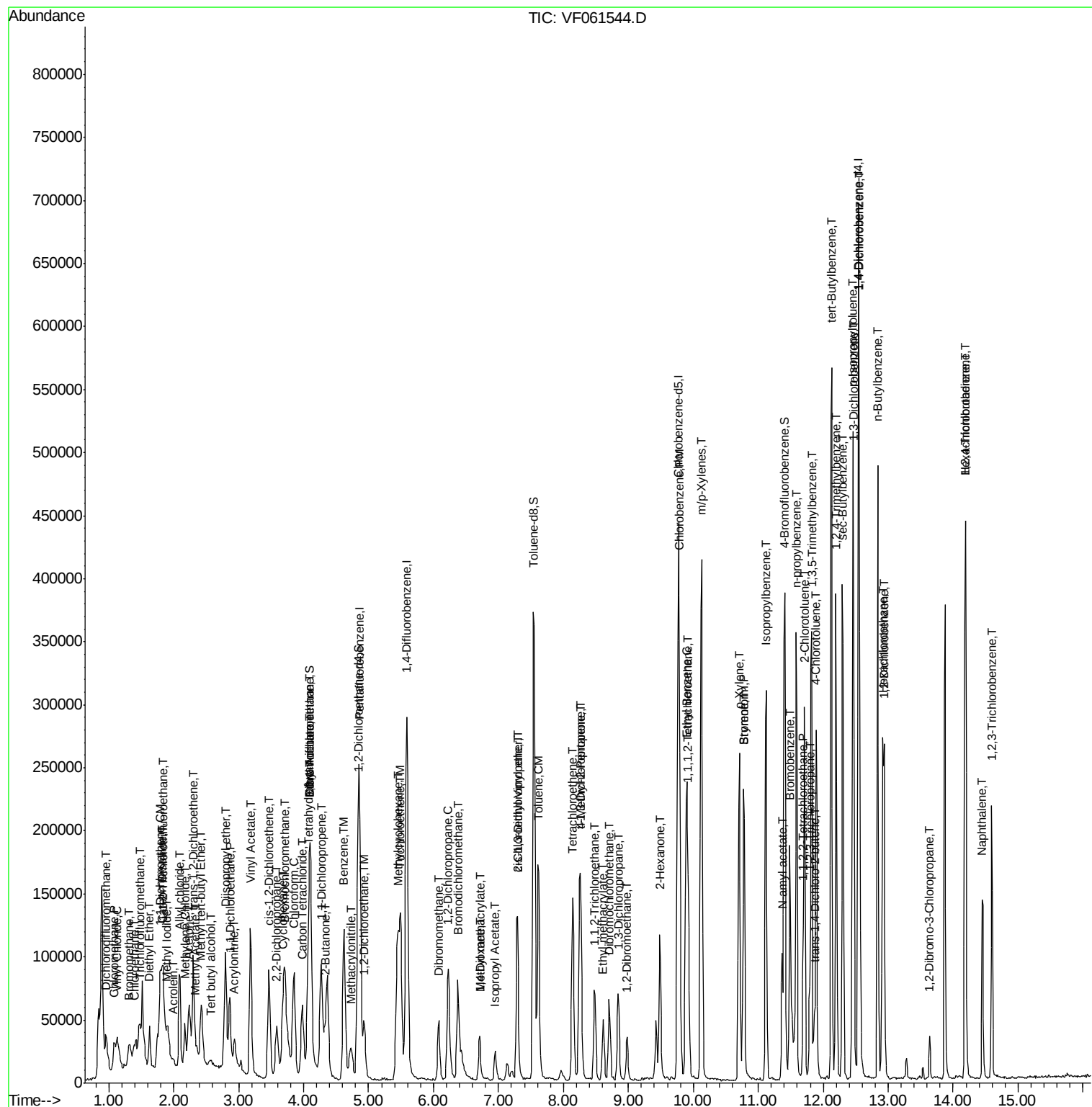
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	65535	19.434	ug/l	96
94) Hexachlorobutadiene	14.18	225	40333	19.275	ug/l	97
95) Naphthalene	14.46	128	109044	17.020	ug/l	97
96) 1,2,3-Trichlorobenzene	14.59	180	56262	18.023	ug/l	98

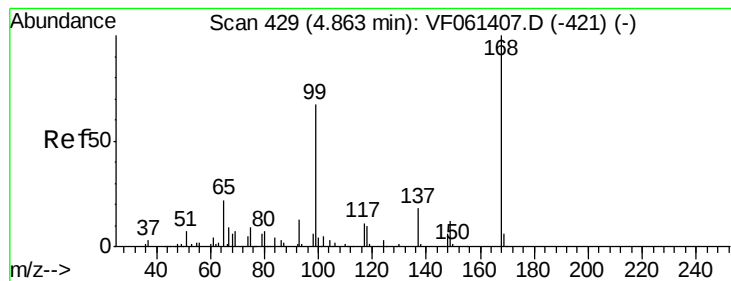
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

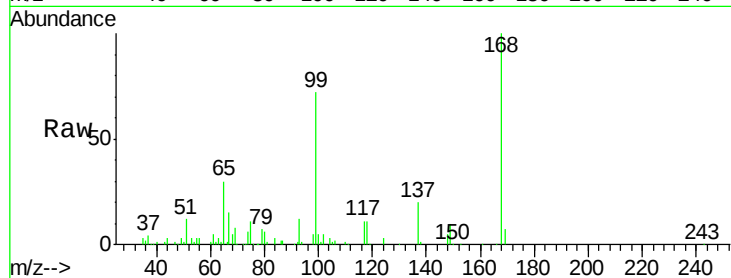
VF0207SBS01

Tot Ion:168 Resp: 185127

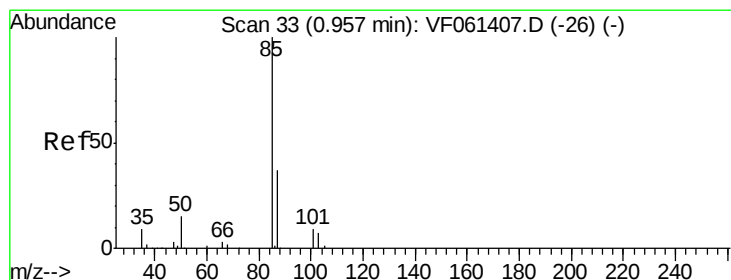
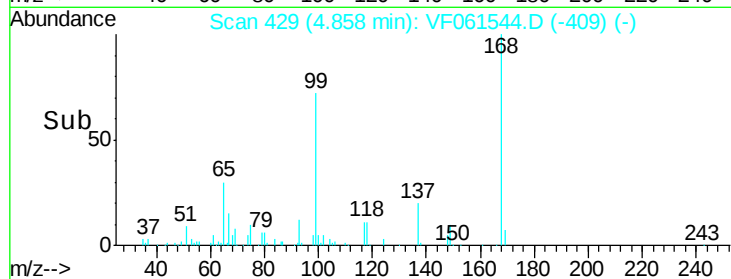
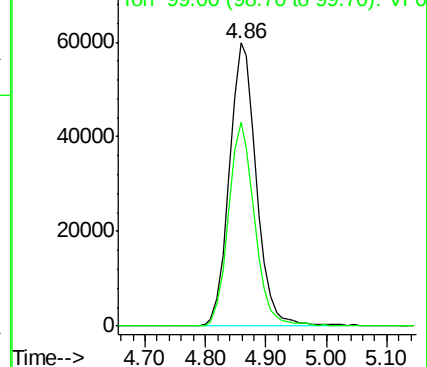
Ion Ratio Lower Upper

168 100

99 72.0 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 15.194 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF061544.D

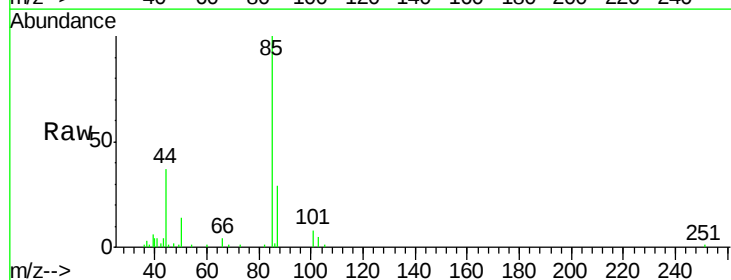
Acq: 7 Feb 2019 14:49

Tgt Ion: 85 Resp: 55269

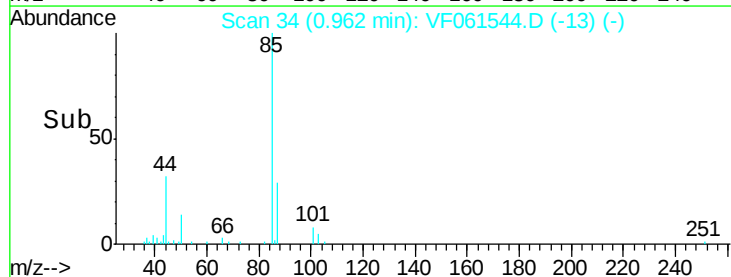
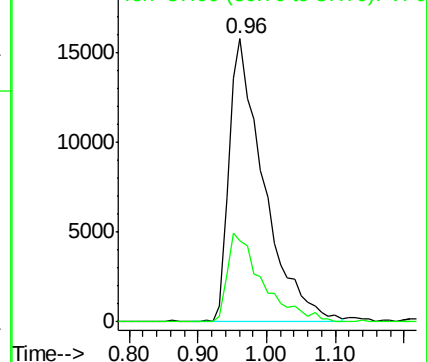
Ion Ratio Lower Upper

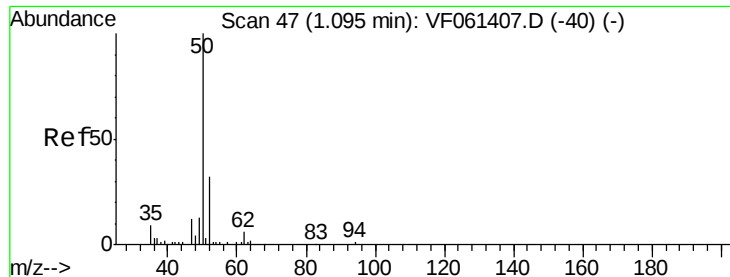
85 100

87 28.7 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 16.200 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

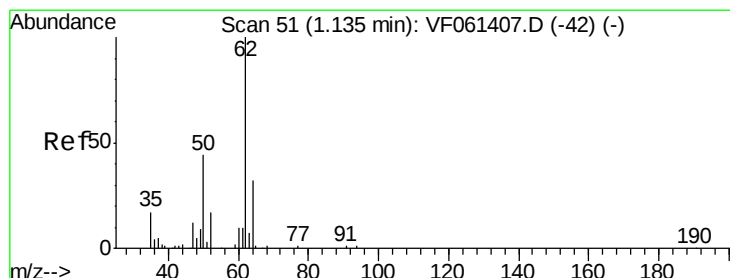
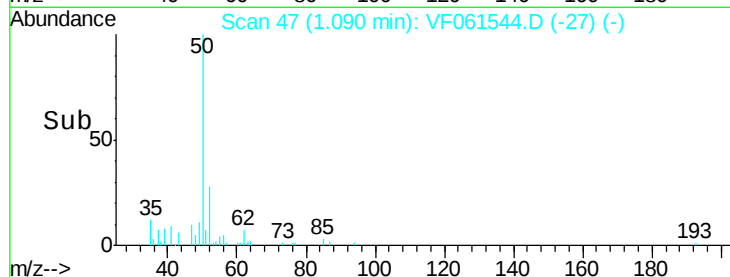
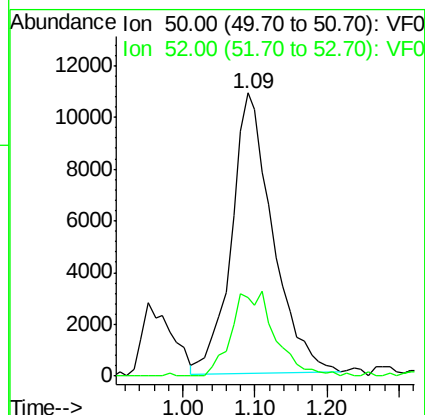
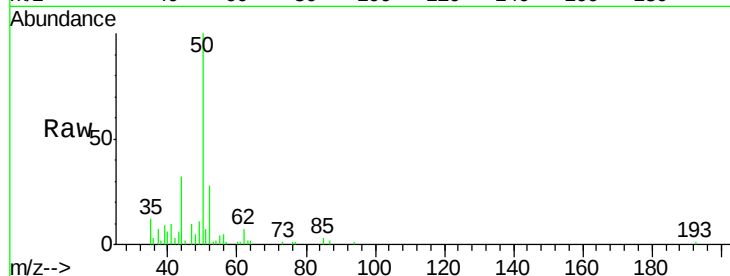
VF0207SBS01

Tot Ion: 50 Resp: 43207

Ion Ratio Lower Upper

50 100

52 28.0 24.6 36.8



#4

Vinyl Chloride

Concen: 17.107 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF061544.D

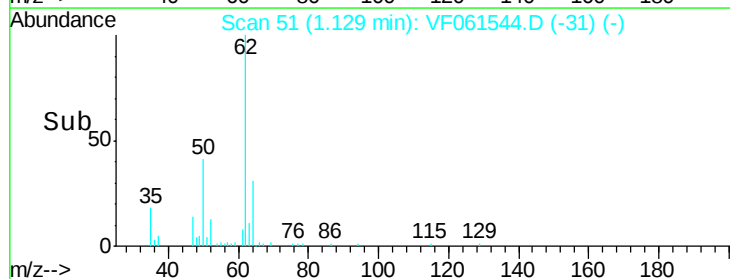
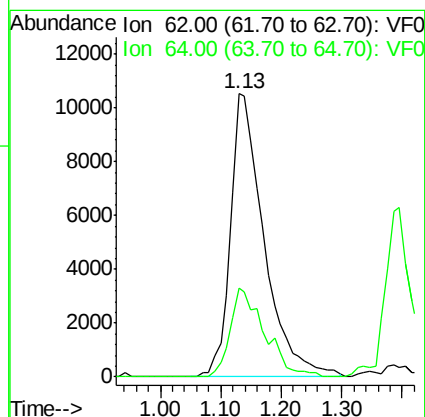
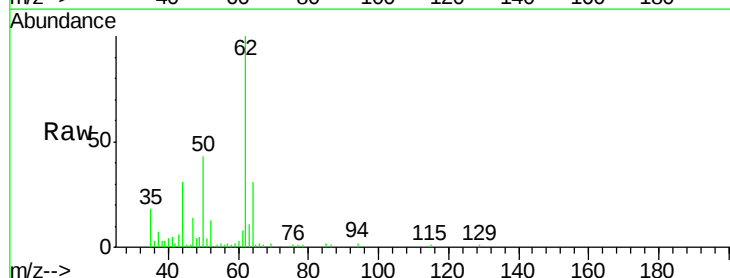
Acq: 7 Feb 2019 14:49

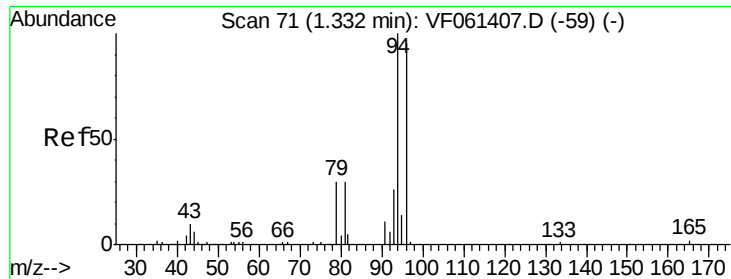
Tgt Ion: 62 Resp: 40588

Ion Ratio Lower Upper

62 100

64 31.4 25.6 38.4





#5

Bromomethane

Concen: 16.776 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.02 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

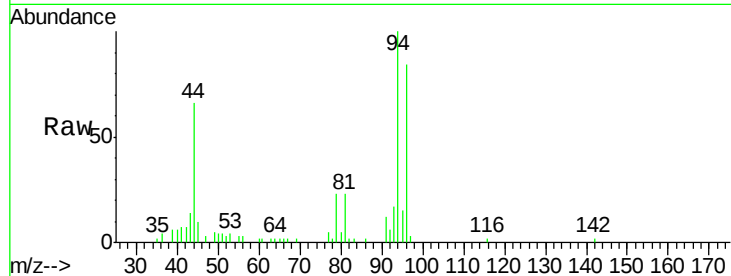
VF0207SBS01

Tot Ion: 94 Resp: 25954

Ion Ratio Lower Upper

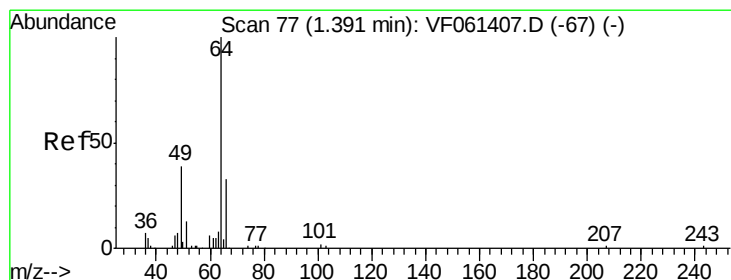
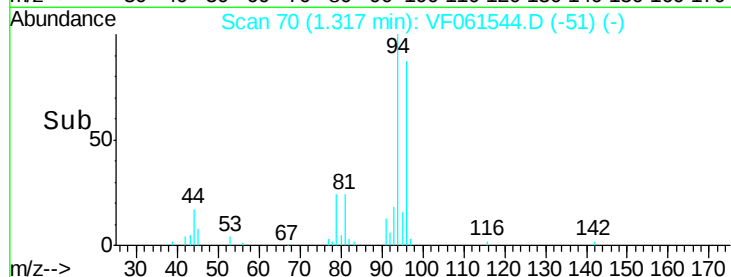
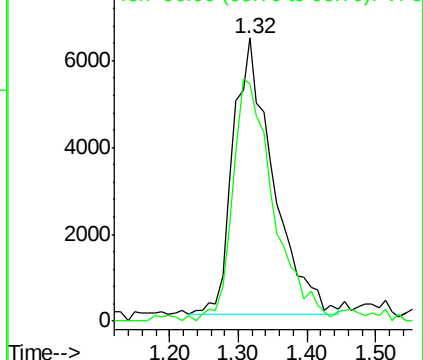
94 100

96 84.0 76.0 114.0



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 18.122 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.00 min

Lab File: VF061544.D

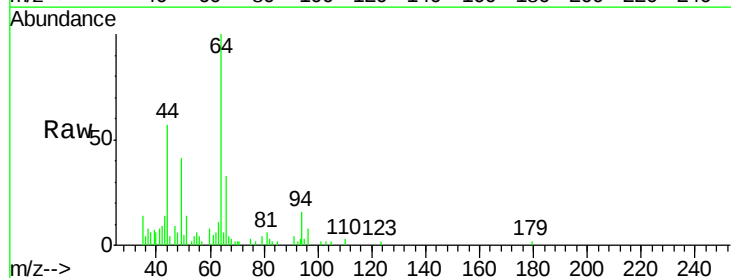
Acq: 7 Feb 2019 14:49

Tgt Ion: 64 Resp: 19051

Ion Ratio Lower Upper

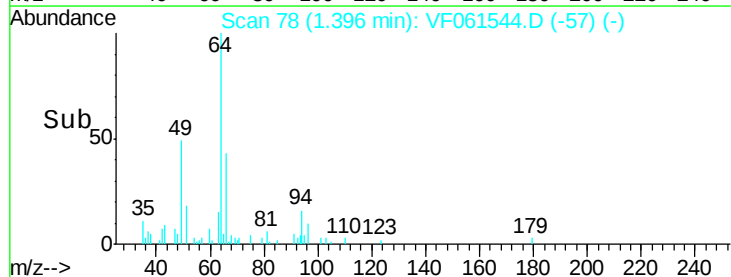
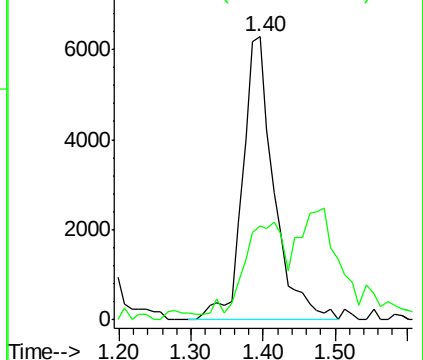
64 100

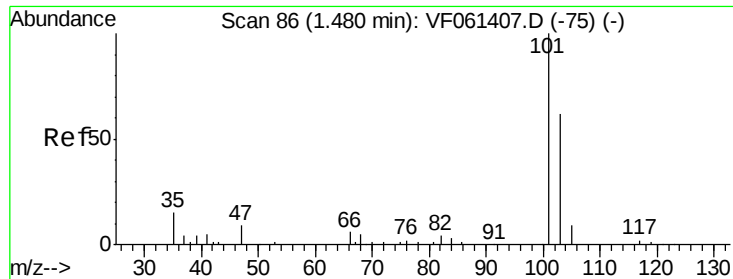
66 33.1 26.6 40.0



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 16.601 ug/l

RT: 1.47 min Scan# 86

Delta R.T. -0.01 min

Lab File: VF061544.D

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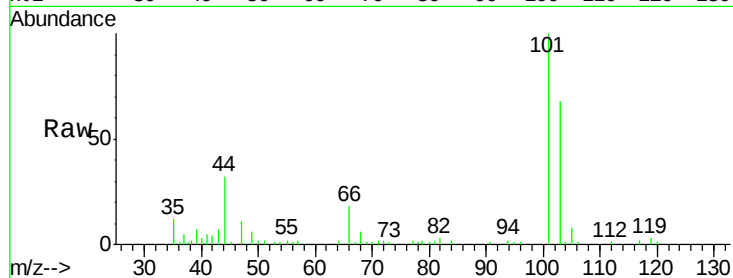
VF0207SBS01

Tot Ion:101 Resp: 76568

Ion Ratio Lower Upper

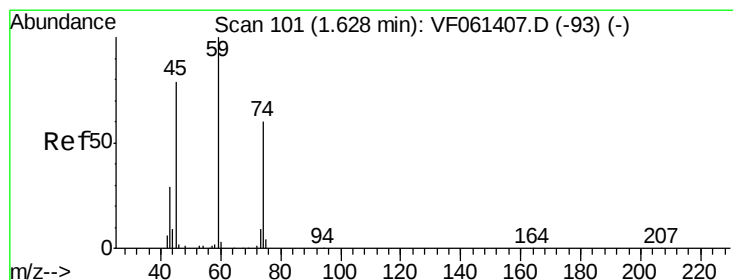
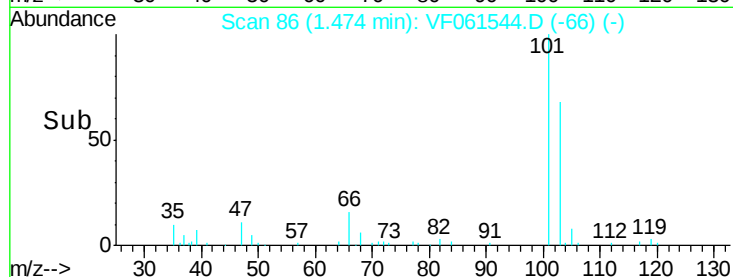
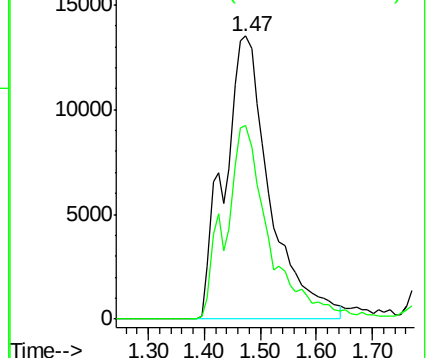
101 100

103 68.3 49.7 74.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 16.909 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.01 min

Lab File: VF061544.D

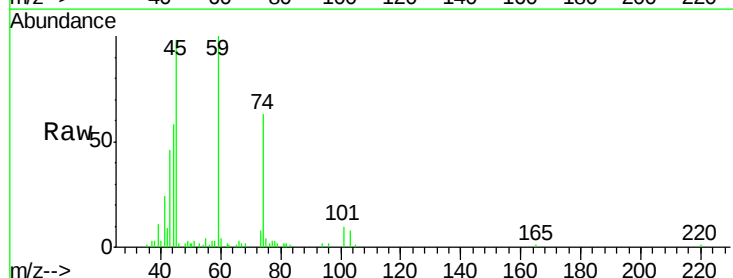
Acq: 7 Feb 2019 14:49

Tgt Ion: 74 Resp: 9993

Ion Ratio Lower Upper

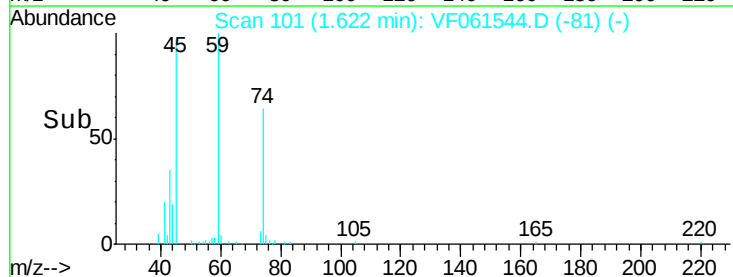
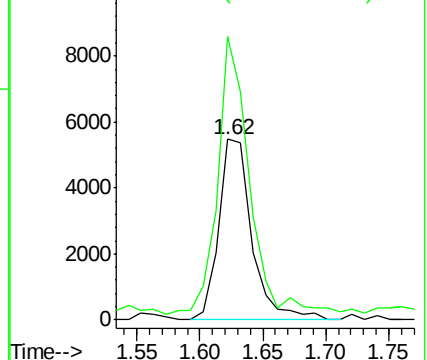
74 100

45 156.5 65.8 197.5



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.464 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

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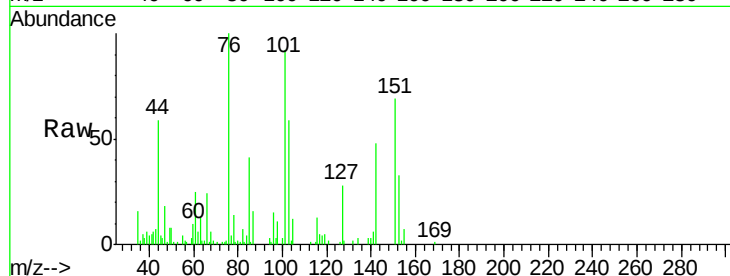
Tot Ion:101 Resp: 38703

Ion Ratio Lower Upper

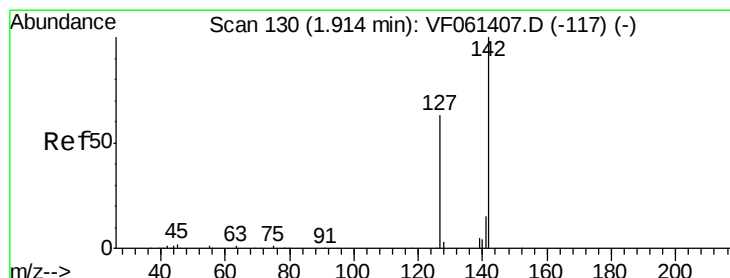
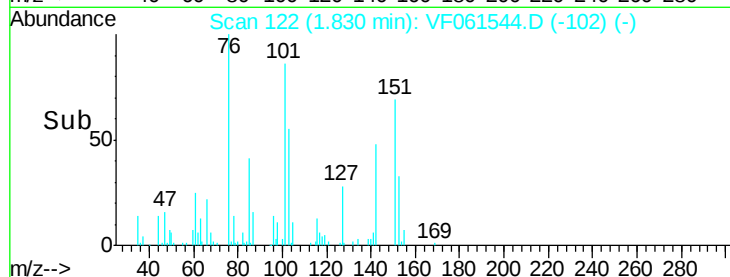
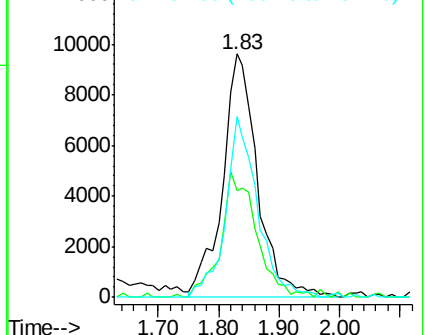
101 100

85 44.0 41.9 62.9

151 74.6 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: 12.744 ug/l

RT: 1.91 min Scan# 130

Delta R.T. -0.01 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

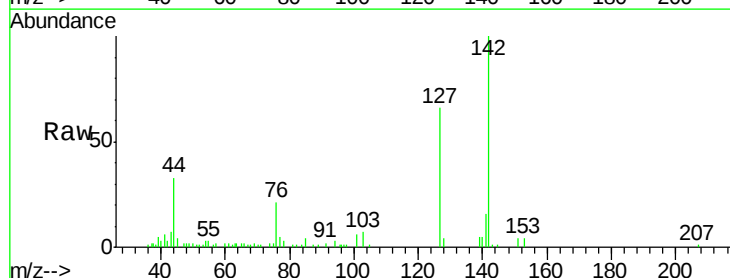
Tgt Ion:142 Resp: 43786

Ion Ratio Lower Upper

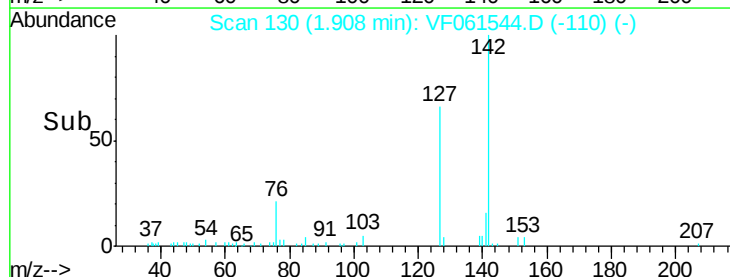
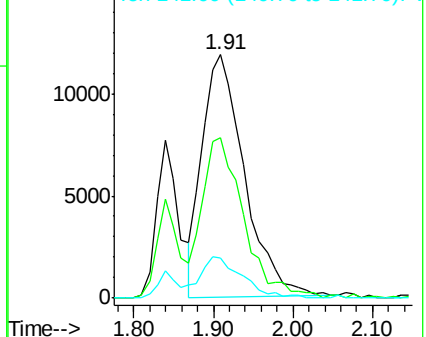
142 100

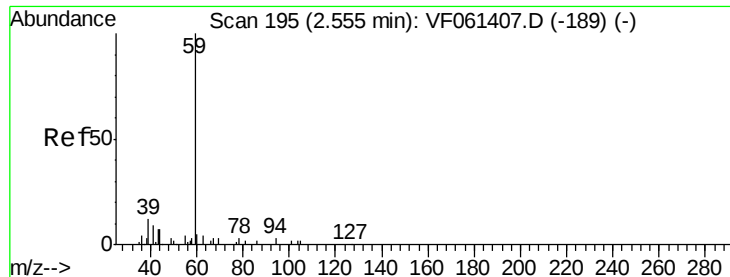
127 65.7 50.7 76.1

141 16.3 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



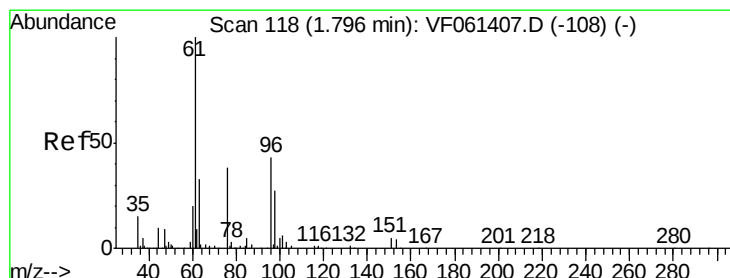
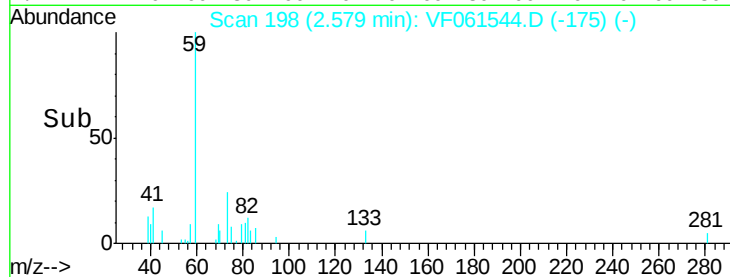
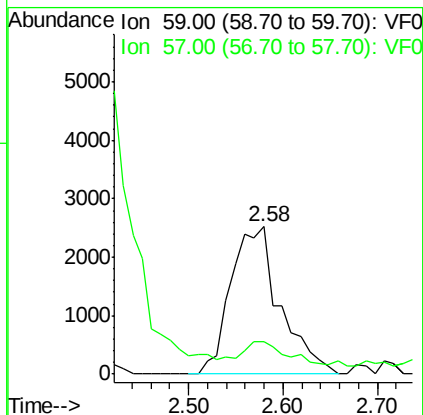
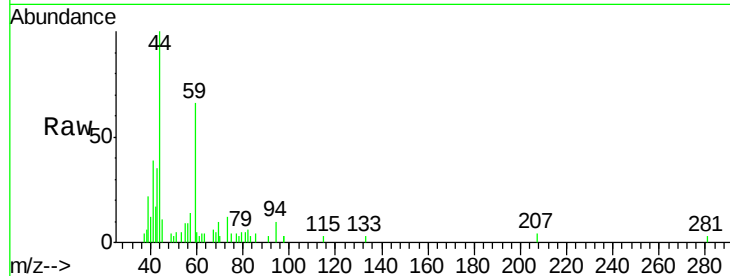


#11

Tert butyl alcohol
 Concen: 94.319 ug/l
 RT: 2.58 min Scan# 198
 Delta R.T. 0.02 min
 Lab File: VF061544.D
 Acq: 7 Feb 2019 14:49

Instrument :
 MSVOA_F
 ClientSampled :
 VF0207SBS01

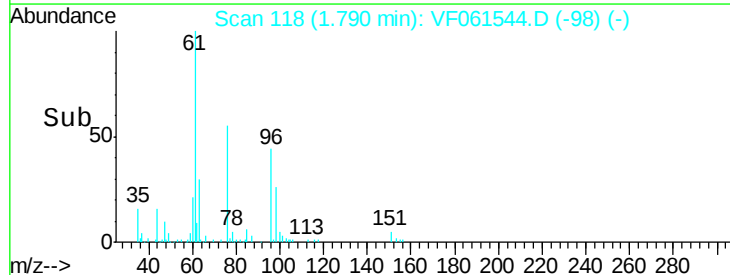
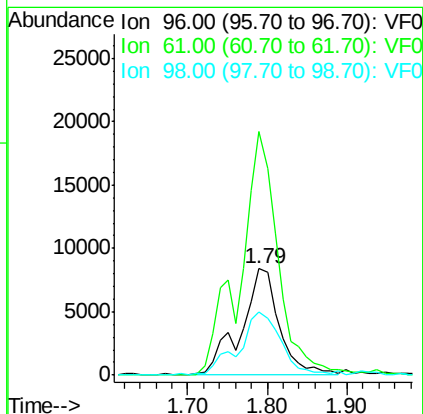
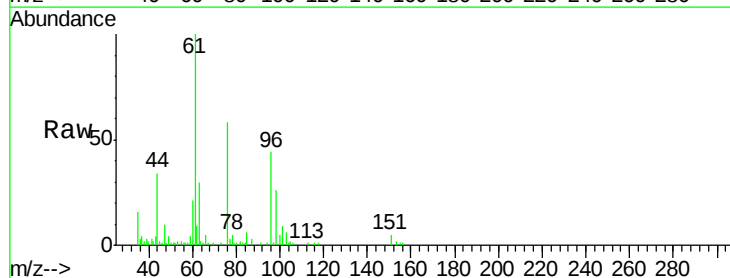
Tot Ion: 59 Resp: 9125
 Ion Ratio Lower Upper
 59 100
 57 21.8 11.9 17.9#

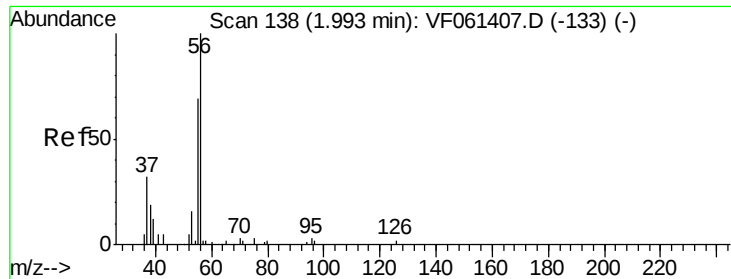


#12

1,1-Dichloroethene
 Concen: 17.147 ug/l
 RT: 1.79 min Scan# 118
 Delta R.T. -0.01 min
 Lab File: VF061544.D
 Acq: 7 Feb 2019 14:49

Tgt Ion: 96 Resp: 28233
 Ion Ratio Lower Upper
 96 100
 61 229.1 186.9 280.3
 98 59.0 53.0 79.4

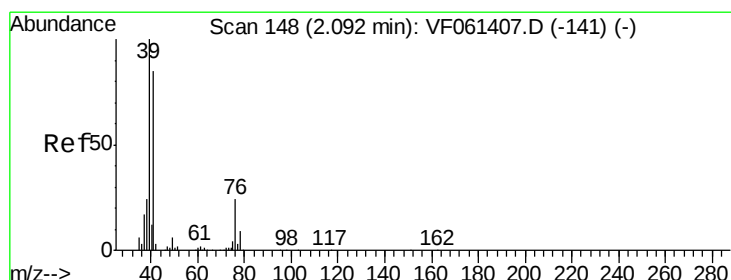
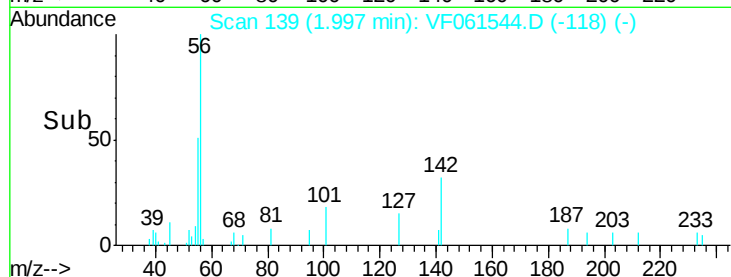
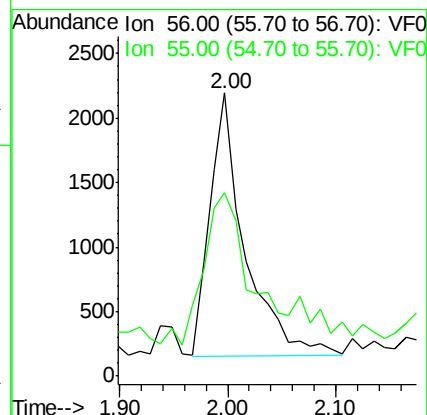
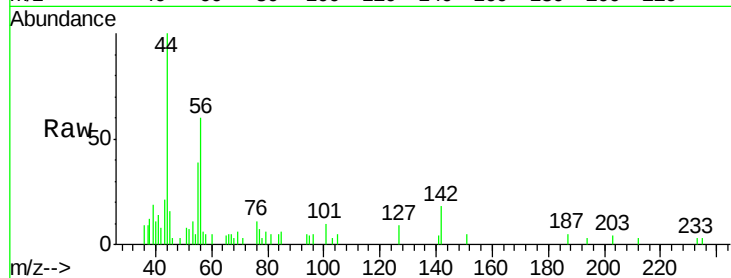




#13
Acrolein
Concen: 62.508 ug/l
RT: 2.00 min Scan# 139
Delta R.T. 0.01 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

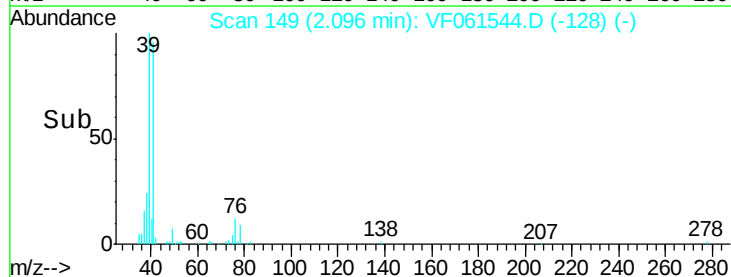
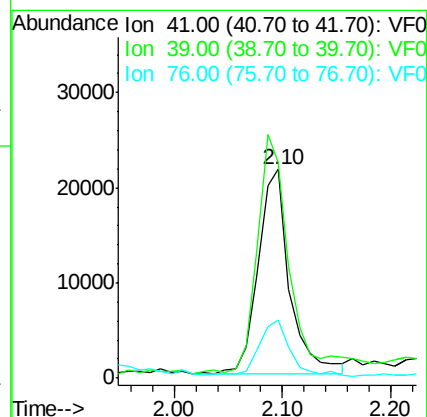
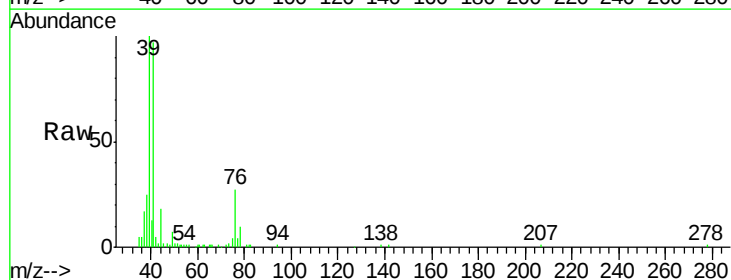
Instrument :
MSVOA_F
ClientSampleId :
VF0207SBS01

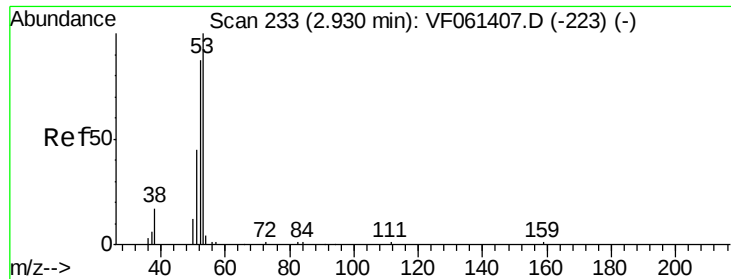
Tot Ion: 56 Resp: 4535
Ion Ratio Lower Upper
56 100
55 64.9 57.5 86.3



#14
Allyl chloride
Concen: 21.150 ug/l
RT: 2.10 min Scan# 149
Delta R.T. 0.00 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

Tgt Ion: 41 Resp: 43843
Ion Ratio Lower Upper
41 100
39 103.5 94.6 141.8
76 27.8 25.9 38.9





#15

Acrylonitrile

Concen: 87.290 ug/l

RT: 2.93 min Scan# 234

Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VF0207SBS01

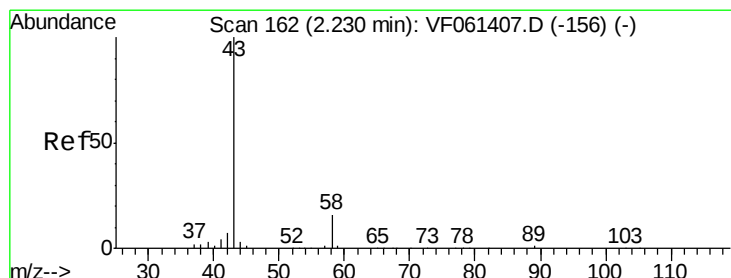
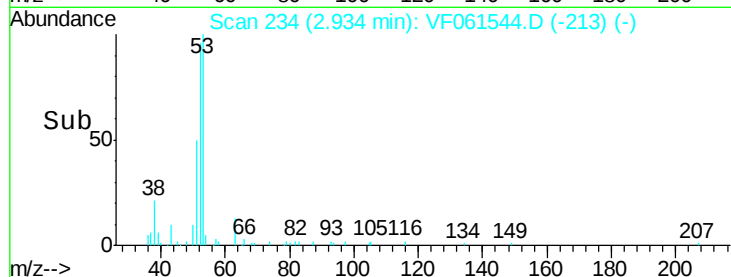
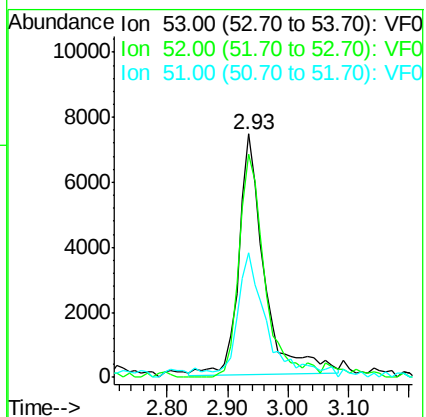
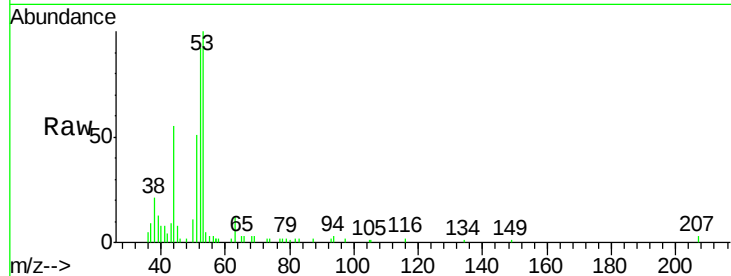
Tot Ion: 53 Resp: 21632

Ion Ratio Lower Upper

53 100

52 91.7 69.6 104.4

51 51.2 36.8 55.2



#16

Acetone

Concen: 119.797 ug/l

RT: 2.23 min Scan# 163

Delta R.T. 0.00 min

Lab File: VF061544.D

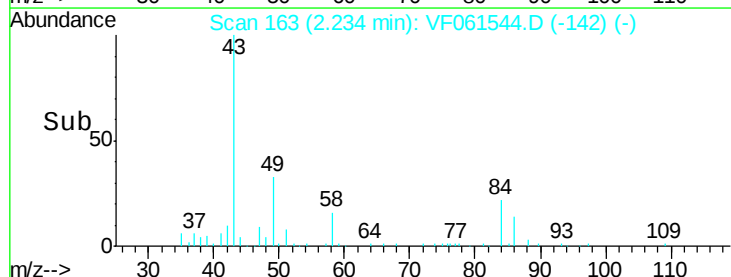
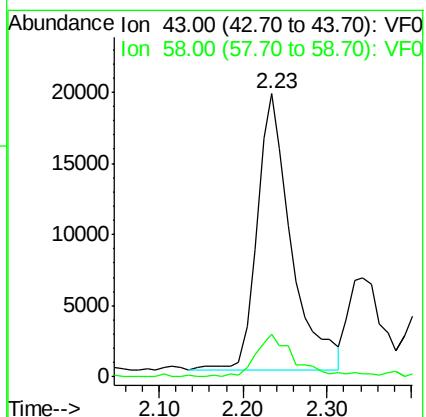
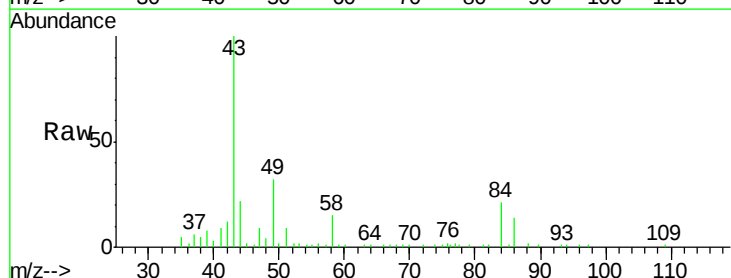
Acq: 7 Feb 2019 14:49

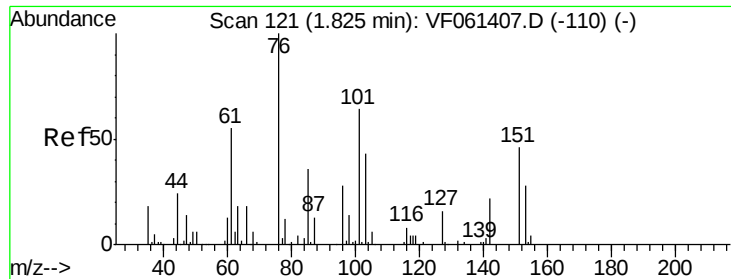
Tgt Ion: 43 Resp: 54930

Ion Ratio Lower Upper

43 100

58 15.1 13.3 19.9

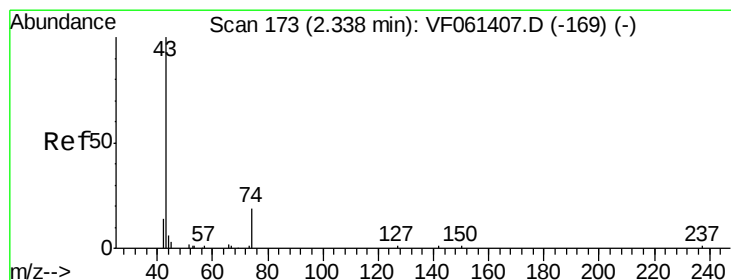
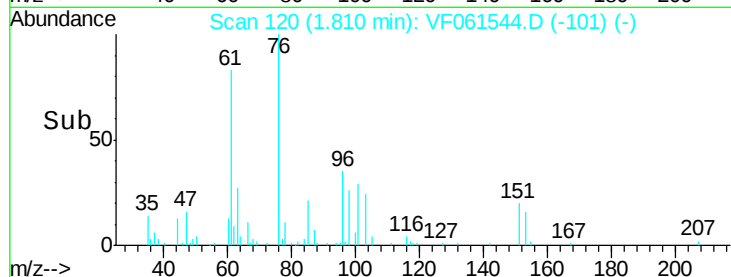
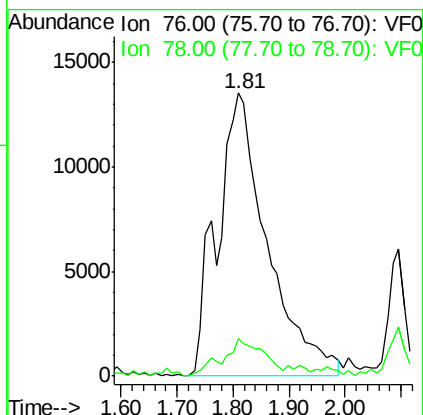
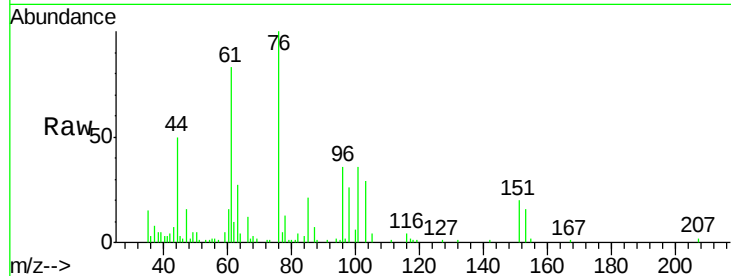




#17
Carbon Disulfide
Concen: 16.324 ug/l
RT: 1.81 min Scan# 120
Delta R.T. -0.02 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

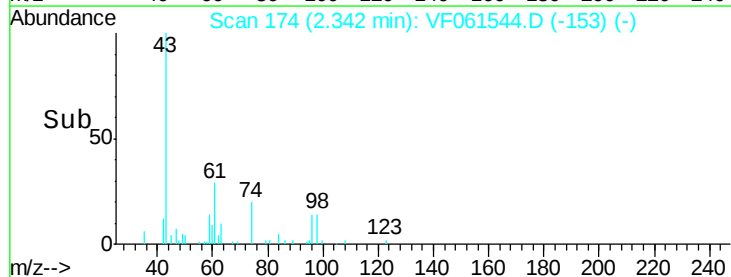
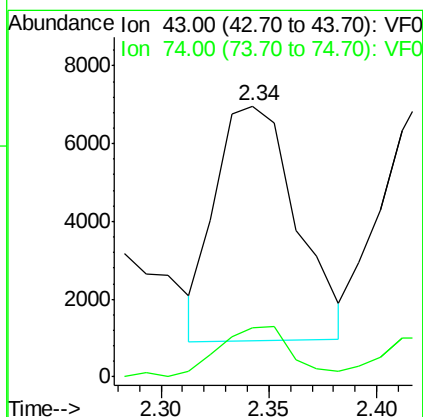
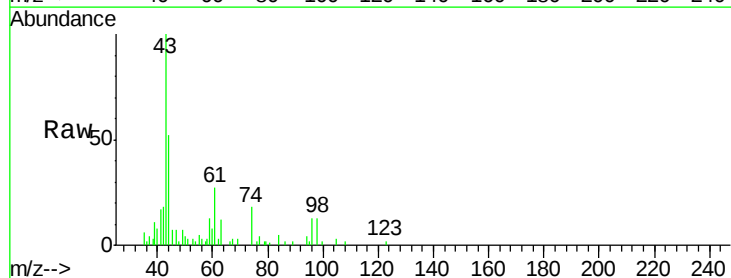
Instrument :
MSVOA_F
ClientSampleId :
VF0207SBS01

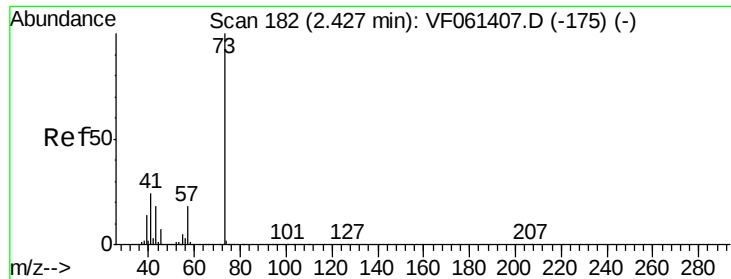
Tot Ion: 76 Resp: 83804
Ion Ratio Lower Upper
76 100
78 13.1 9.6 14.4



#18
Methyl Acetate
Concen: 17.205 ug/l
RT: 2.34 min Scan# 174
Delta R.T. 0.00 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

Tgt Ion: 43 Resp: 15645
Ion Ratio Lower Upper
43 100
74 18.4 13.4 20.0



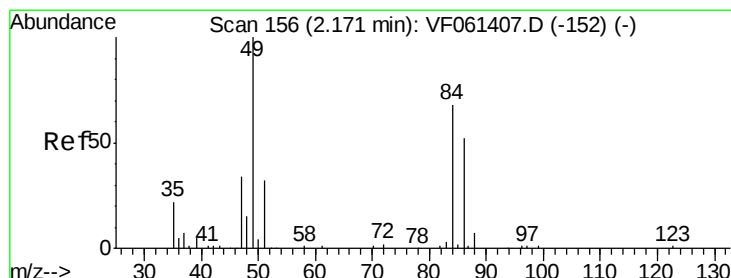
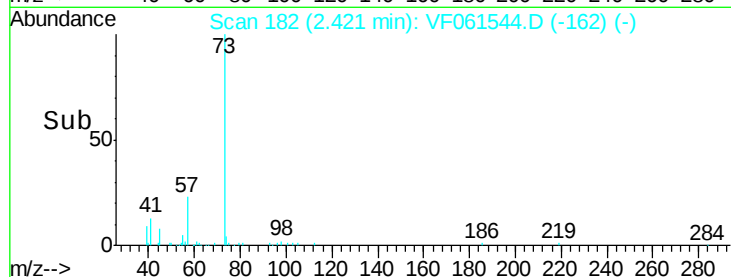
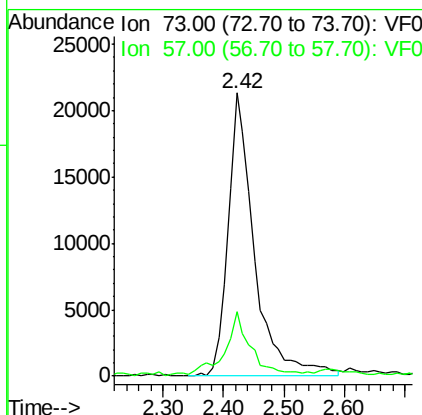
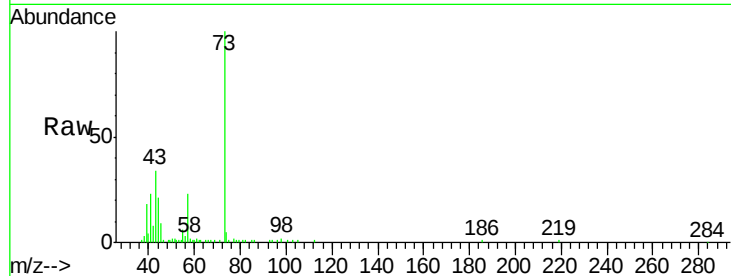


#19

Methyl tert-butyl Ether
 Concen: 17.408 ug/l
 RT: 2.42 min Scan# 182
 Delta R.T. -0.01 min
 Lab File: VF061544.D
 Acq: 7 Feb 2019 14:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0207SBS01

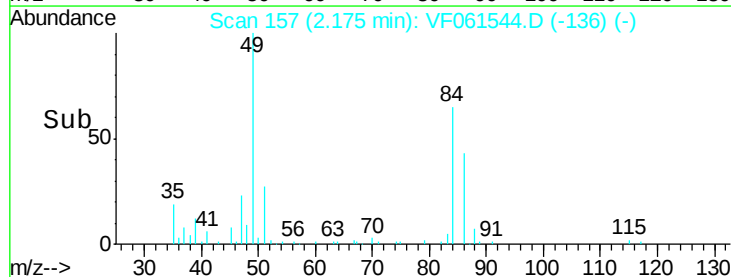
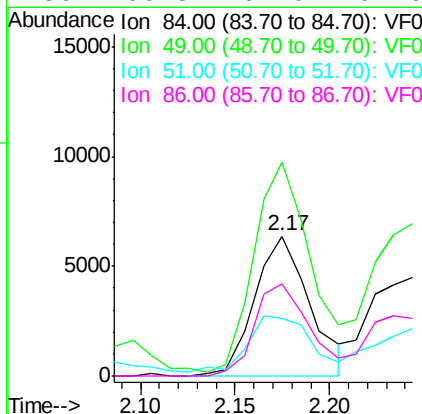
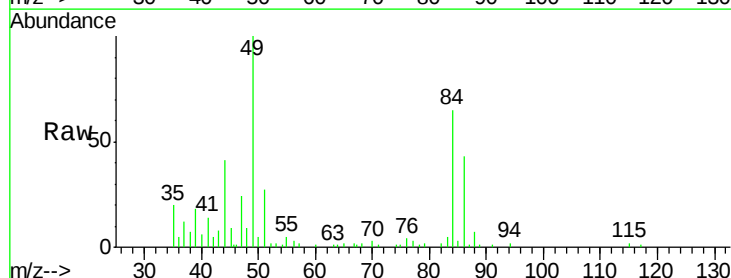
Tot Ion: 73 Resp: 64255
 Ion Ratio Lower Upper
 73 100
 57 22.7 14.8 22.2#

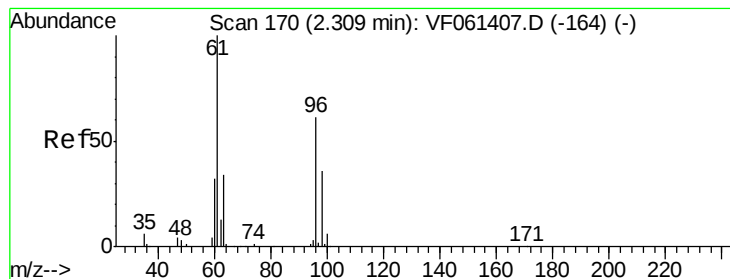


#20

Methylene Chloride
 Concen: 6.740 ug/l
 RT: 2.17 min Scan# 157
 Delta R.T. 0.00 min
 Lab File: VF061544.D
 Acq: 7 Feb 2019 14:49

Tgt Ion: 84 Resp: 12857
 Ion Ratio Lower Upper
 84 100
 49 152.9 120.0 180.0
 51 41.6 38.6 58.0
 86 66.3 61.0 91.6





#21

trans-1,2-Dichloroethene

Concen: 16.522 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VF0207SBS01

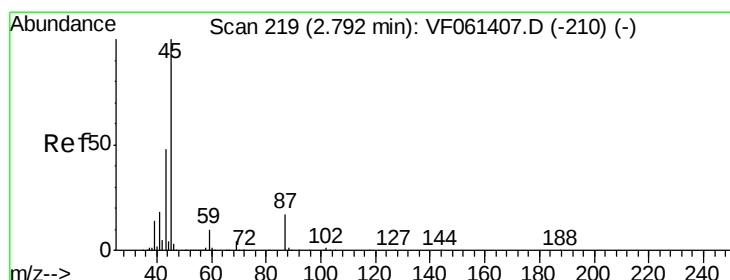
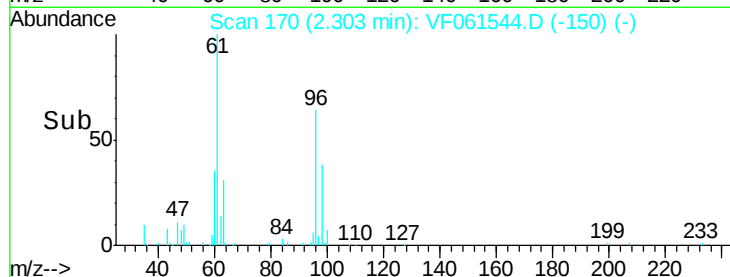
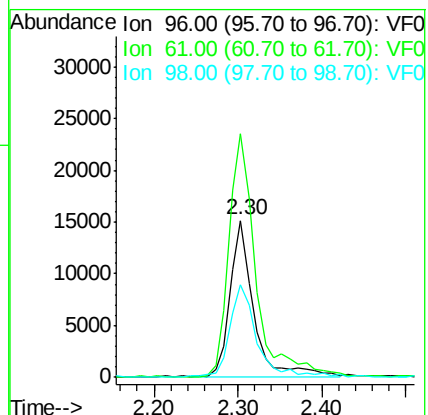
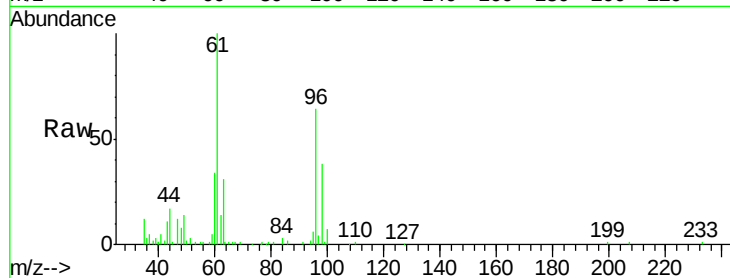
Tot Ion: 96 Resp: 29930

Ion Ratio Lower Upper

96 100

61 155.1 131.8 197.8

98 59.0 47.4 71.0



#22

Diisopropyl ether

Concen: 18.232 ug/l

RT: 2.80 min Scan# 220

Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Tgt Ion: 45 Resp: 106831

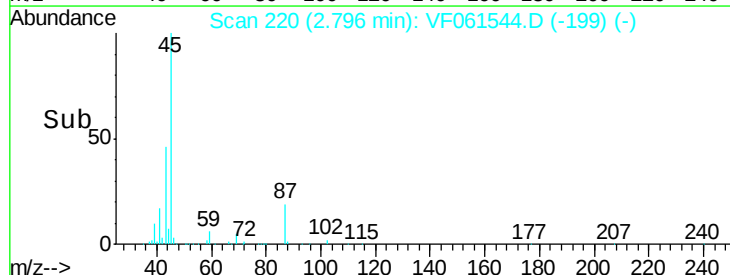
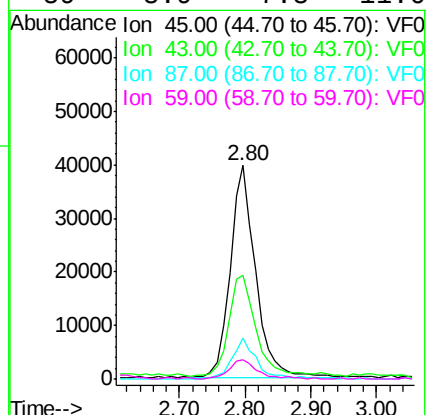
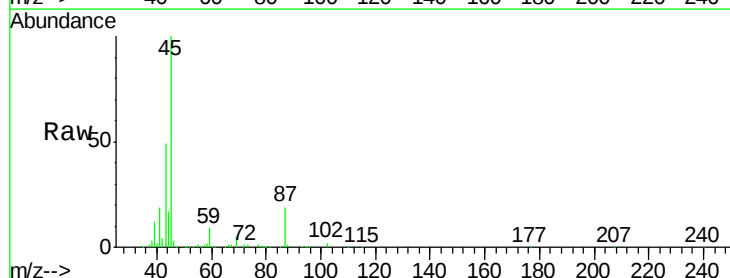
Ion Ratio Lower Upper

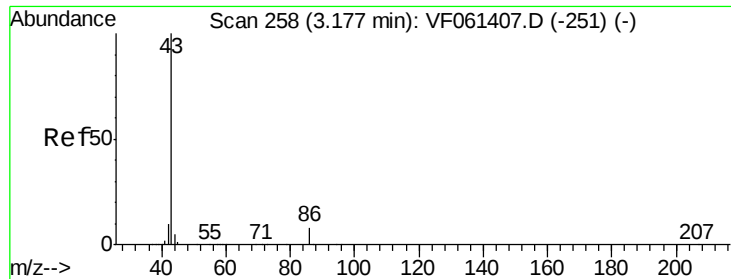
45 100

43 48.5 39.0 58.6

87 18.9 13.9 20.9

59 8.9 7.8 11.6





#23

Vinyl Acetate

Concen: 95.258 ug/l

RT: 3.18 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

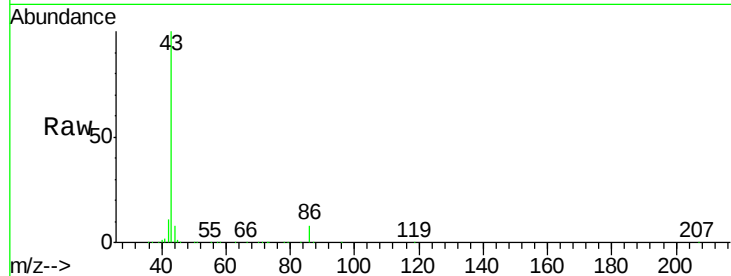
VF0207SBS01

Tot Ion: 43 Resp: 240341

Ion Ratio Lower Upper

43 100

86 8.2 6.2 9.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.18

100000

80000

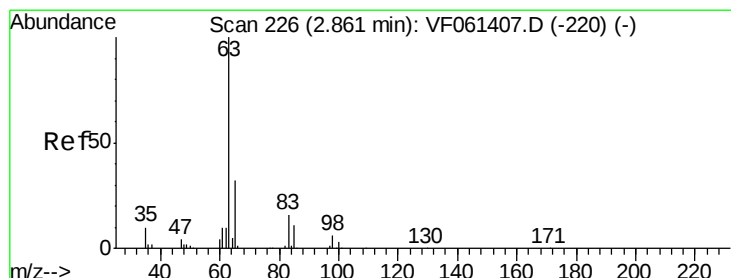
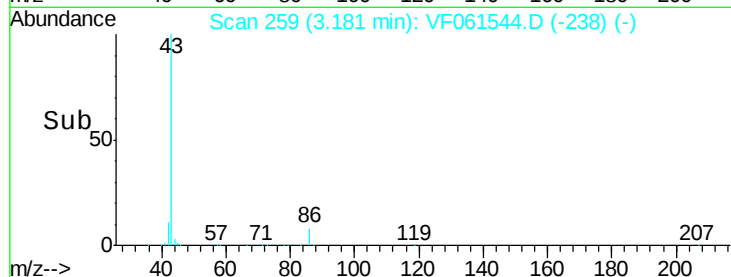
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 16.648 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

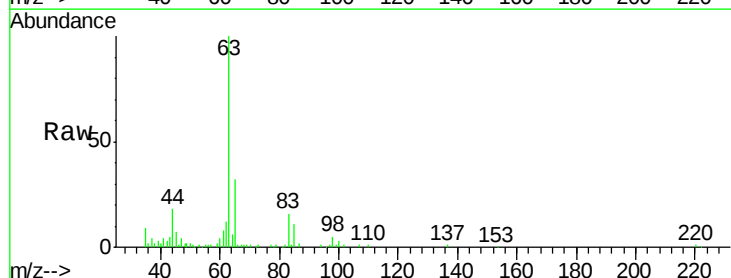
Tgt Ion: 63 Resp: 61223

Ion Ratio Lower Upper

63 100

98 4.9 2.9 8.8

100 2.6 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

2.87

30000

25000

20000

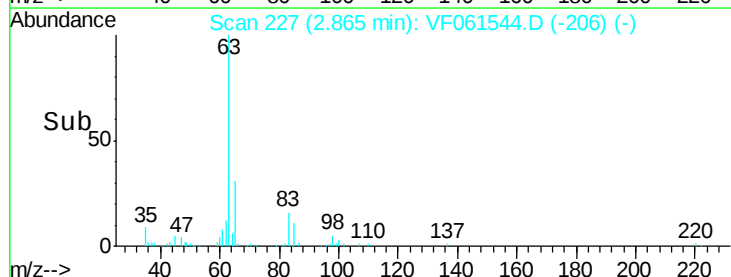
15000

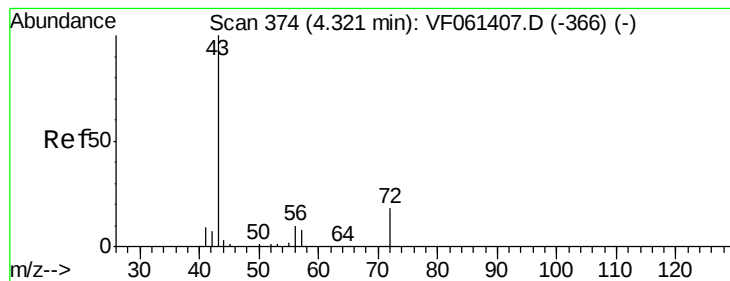
10000

5000

0

Time-->





#25

2-Butanone

Concen: 100.398 ug/l

RT: 4.33 min Scan# 375

Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

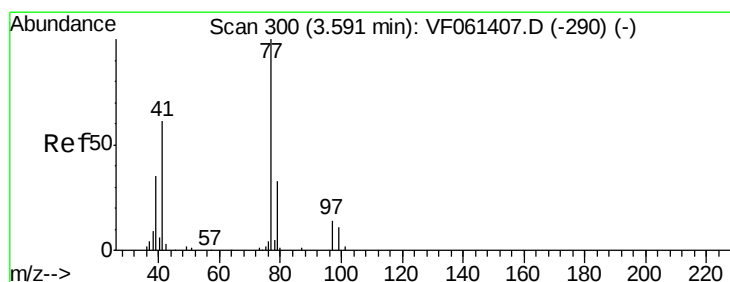
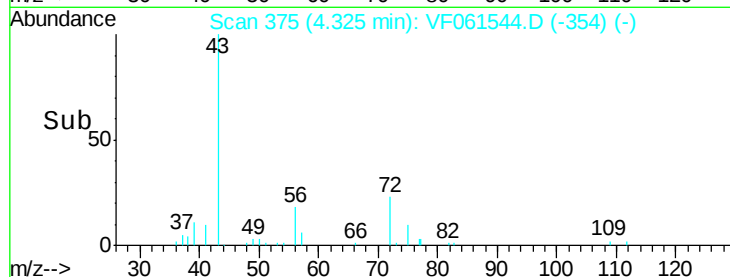
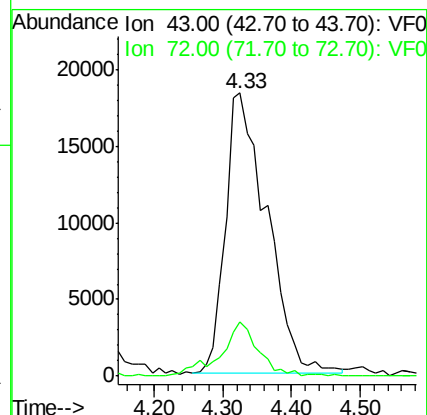
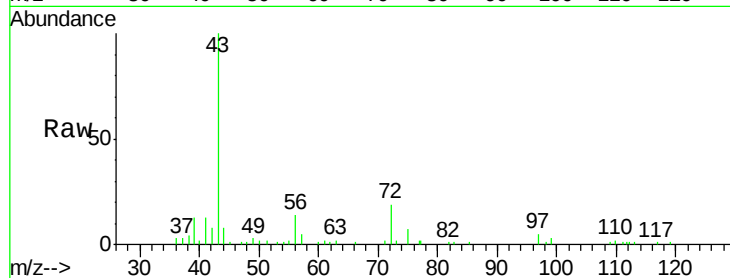
VF0207SBS01

Tot Ion: 43 Resp: 76554

Ion Ratio Lower Upper

43 100

72 19.2 15.8 23.6



#26

2,2-Dichloropropane

Concen: 18.640 ug/l

RT: 3.60 min Scan# 301

Delta R.T. 0.01 min

Lab File: VF061544.D

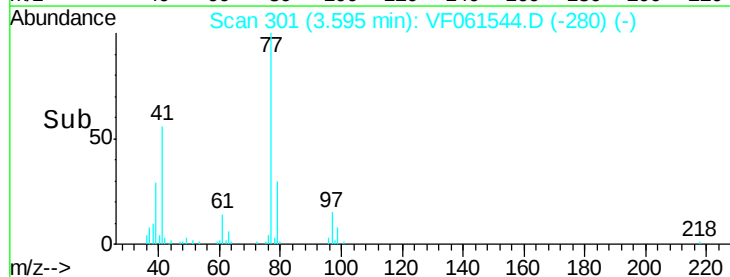
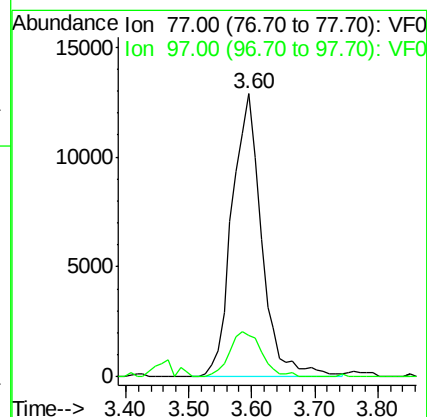
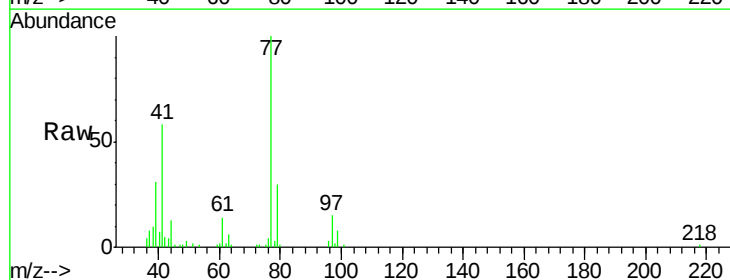
Acq: 7 Feb 2019 14:49

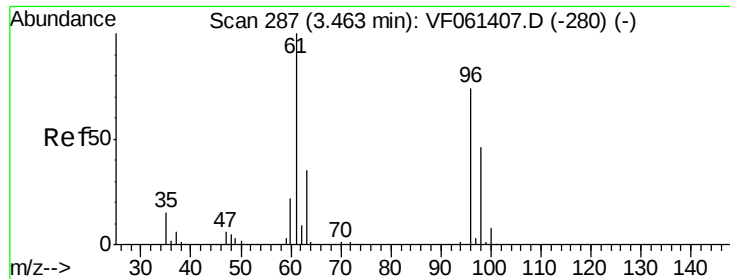
Tgt Ion: 77 Resp: 42116

Ion Ratio Lower Upper

77 100

97 14.7 8.5 25.5



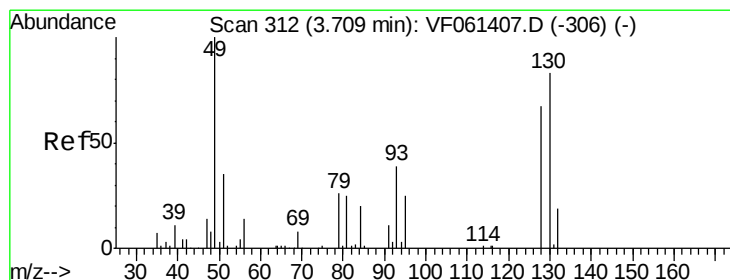
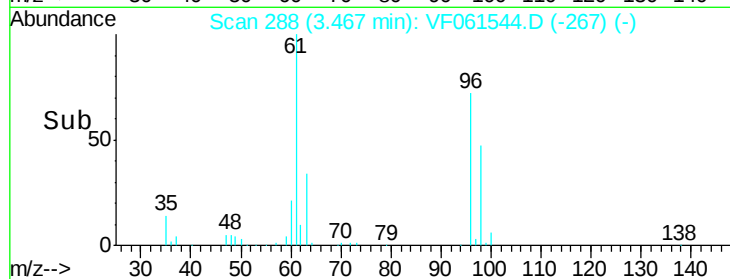
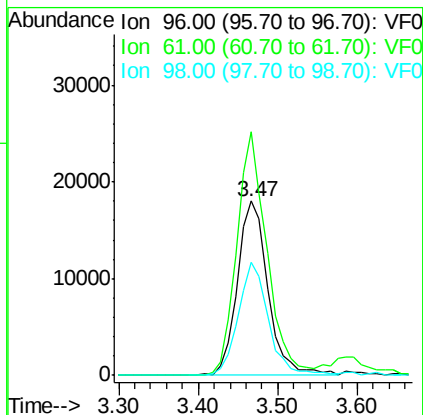
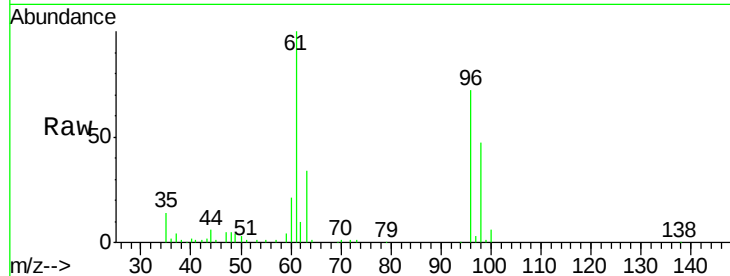


#27

cis-1,2-Dichloroethene
 Concen: 17.855 ug/l
 RT: 3.47 min Scan# 288
 Delta R.T. 0.00 min
 Lab File: VF061544.D
 Acq: 7 Feb 2019 14:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0207SBS01

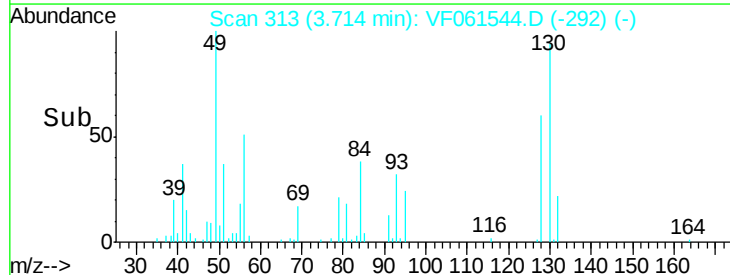
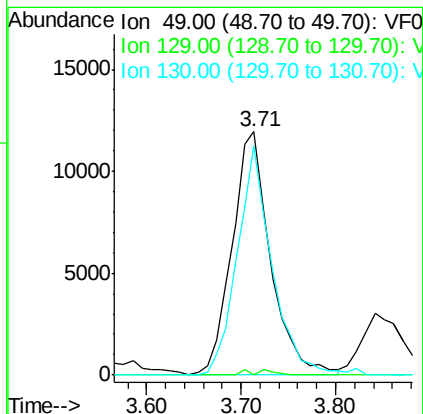
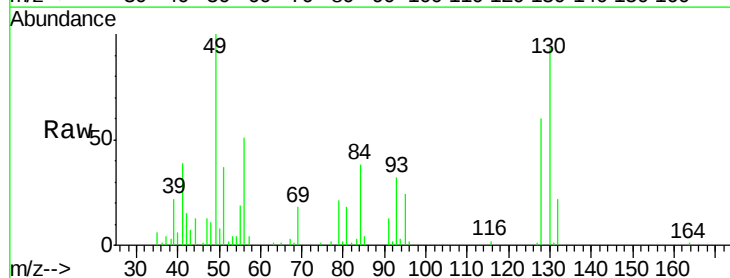
Tot Ion: 96 Resp: 47747
 Ion Ratio Lower Upper
 96 100
 61 139.6 0.0 270.2
 98 65.1 0.0 124.0

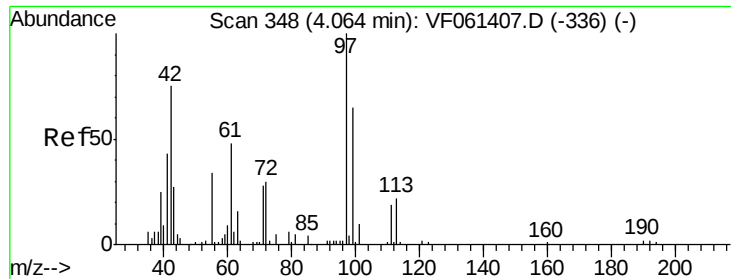


#28

Bromochloromethane
 Concen: 20.422 ug/l
 RT: 3.71 min Scan# 313
 Delta R.T. 0.00 min
 Lab File: VF061544.D
 Acq: 7 Feb 2019 14:49

Tgt Ion: 49 Resp: 33758
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 94.2 65.4 98.2

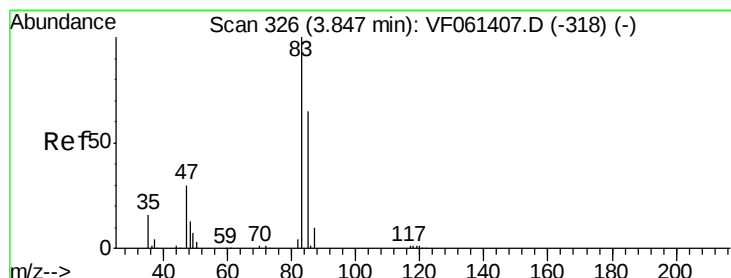
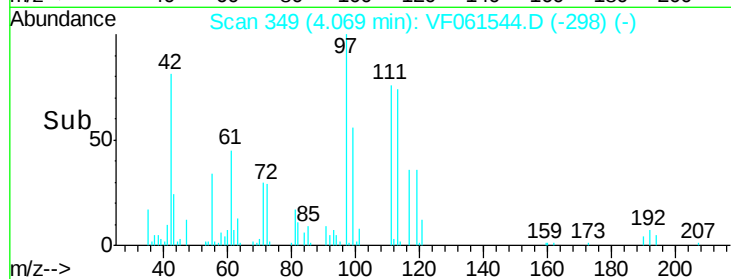
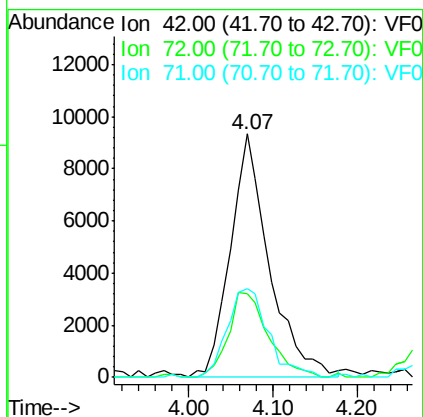
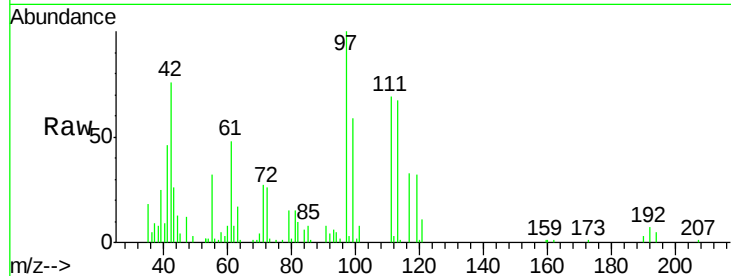




#29
Tetrahydrofuran
Concen: 91.917 ug/l
RT: 4.07 min Scan# 349
Delta R.T. 0.00 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

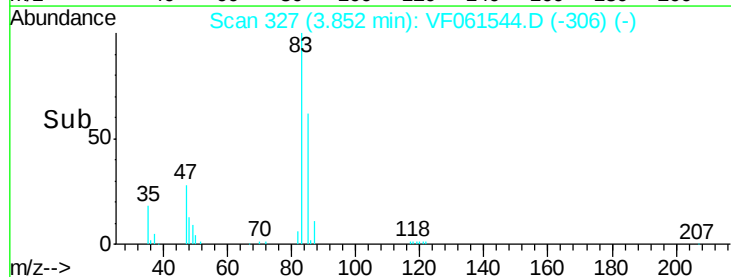
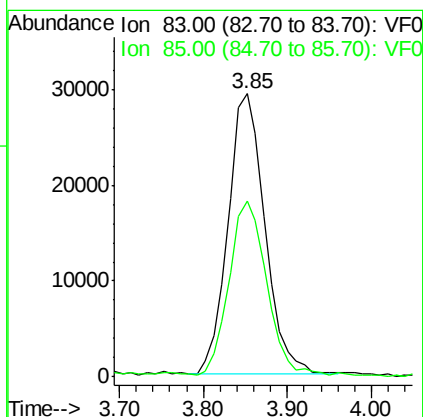
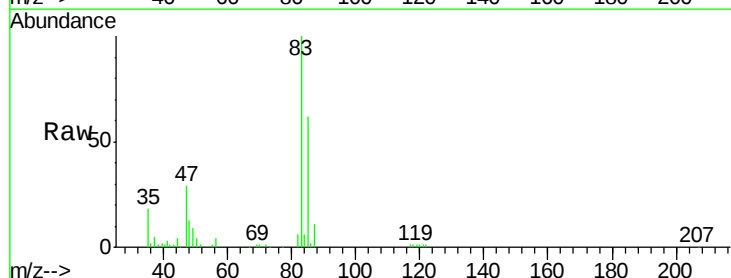
Instrument :
MSVOA_F
ClientSampleId :
VF0207SBS01

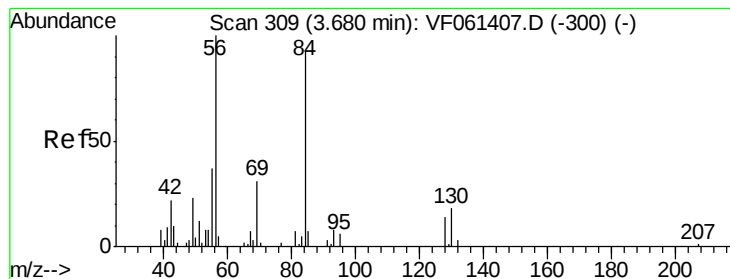
Tot Ion: 42 Resp: 30179
Ion Ratio Lower Upper
42 100
72 35.8 28.9 43.3
71 38.4 29.6 44.4



#30
Chloroform
Concen: 17.989 ug/l
RT: 3.85 min Scan# 327
Delta R.T. 0.00 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

Tgt Ion: 83 Resp: 89282
Ion Ratio Lower Upper
83 100
85 62.1 52.7 79.1





#31

Cvclohexane

Concen: 10.863 ug/l

RT: 3.67 min Scan# 309

Delta R.T. -0.01 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VF0207SBS01

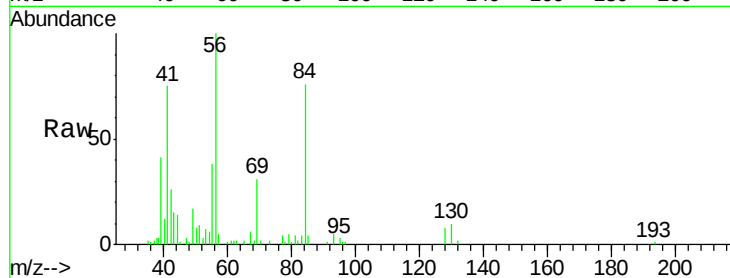
Tot Ion: 56 Resp: 39905

Ion Ratio Lower Upper

56 100

69 30.6 24.6 36.8

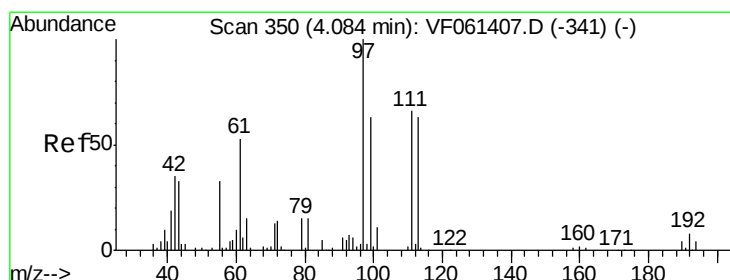
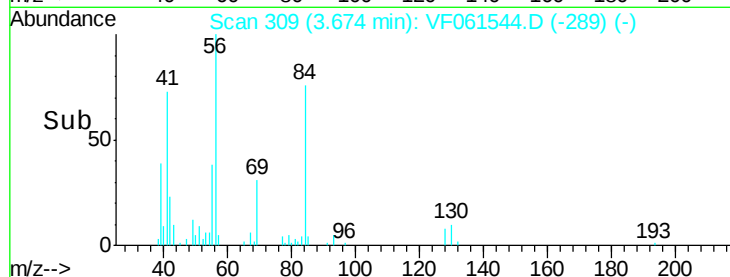
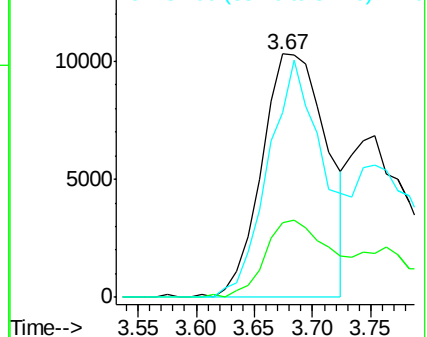
84 75.9 74.2 111.2



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 16.066 ug/l

RT: 4.09 min Scan# 351

Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

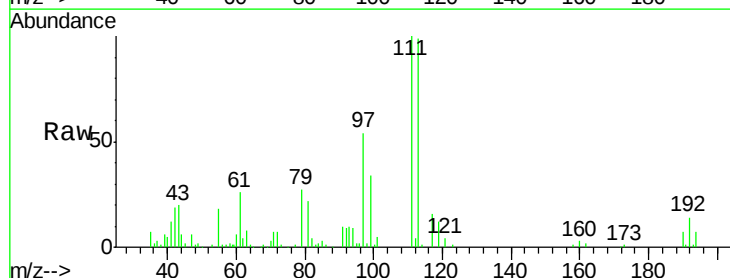
Tgt Ion: 97 Resp: 58467

Ion Ratio Lower Upper

97 100

99 62.8 50.1 75.1

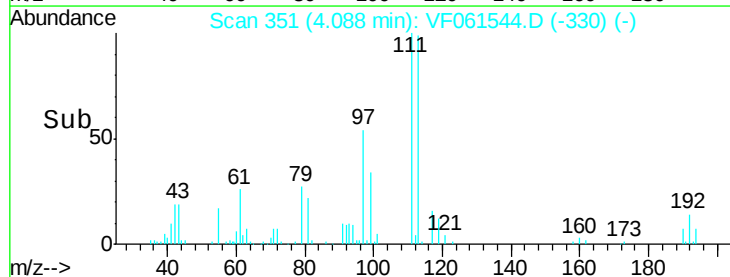
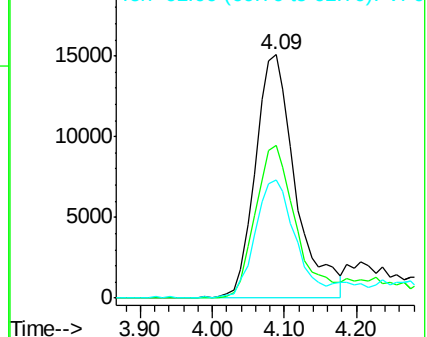
61 48.4 43.1 64.7

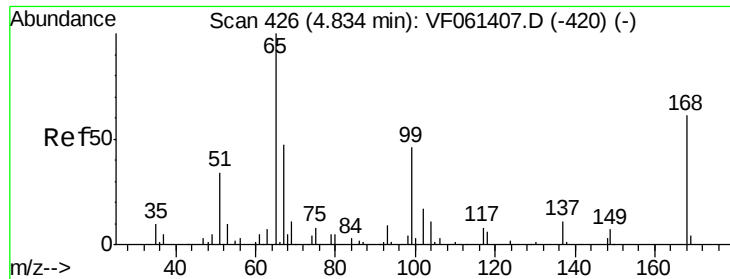


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 49.003 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.01 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

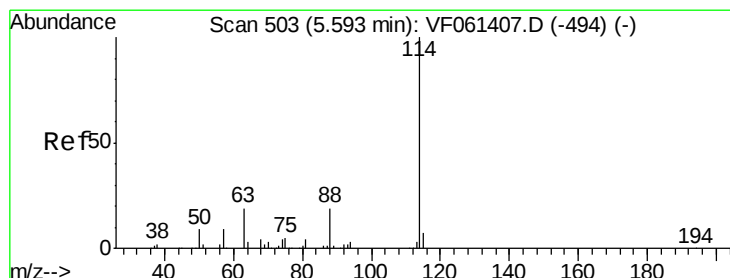
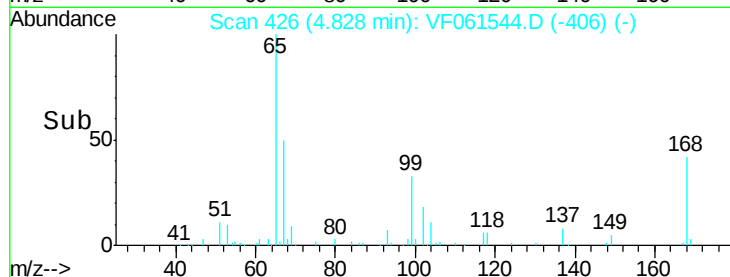
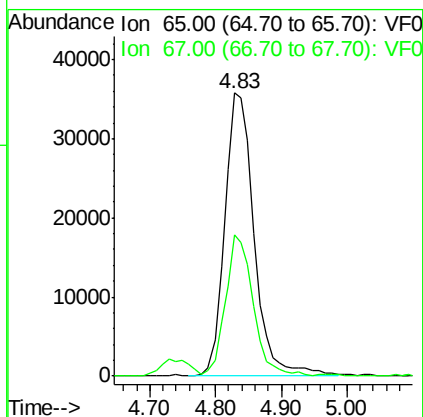
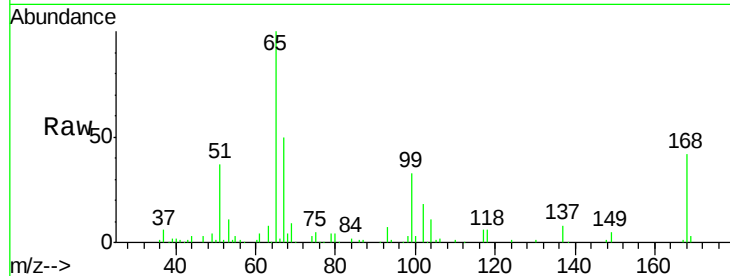
VF0207SBS01

Tot Ion: 65 Resp: 112003

Ion Ratio Lower Upper

65 100

67 49.9 0.0 99.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.01 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

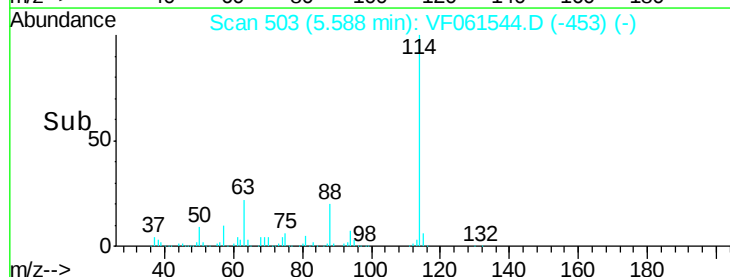
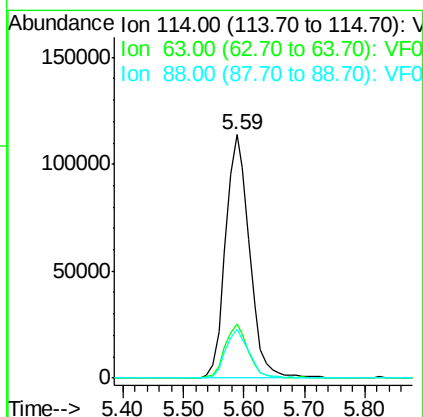
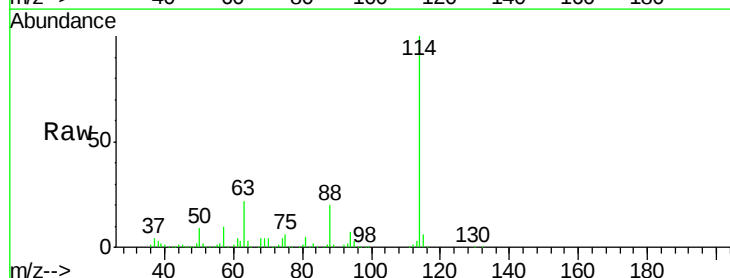
Tgt Ion: 114 Resp: 313657

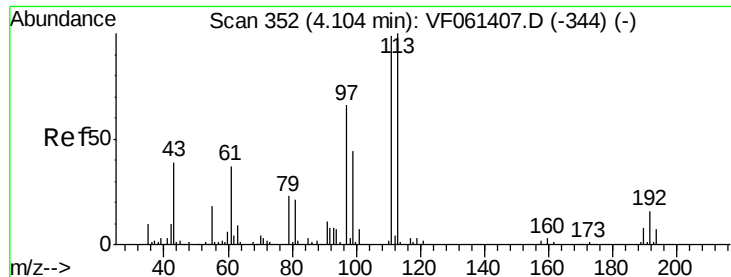
Ion Ratio Lower Upper

114 100

63 22.4 0.0 39.0

88 20.3 0.0 37.4





#35

Dibromofluoromethane

Concen: 47.854 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VF0207SBS01

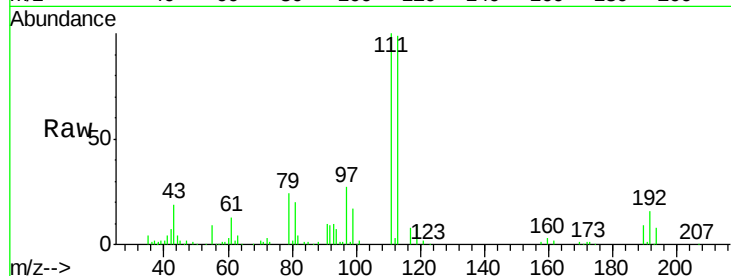
Tot Ion:113 Resp: 118439

Ion Ratio Lower Upper

113 100

111 101.0 79.4 119.0

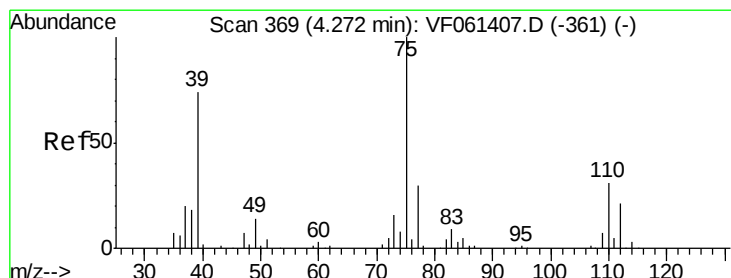
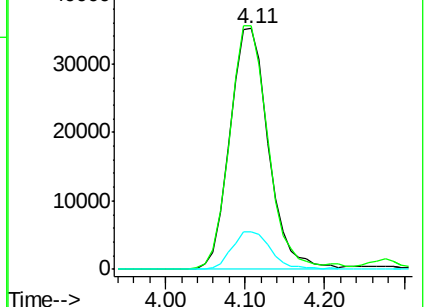
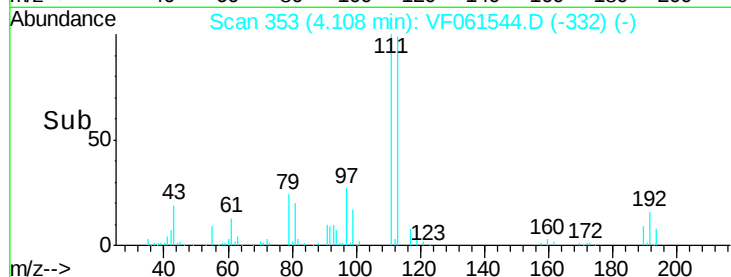
192 15.8 12.4 18.6



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: 17.680 ug/l

RT: 4.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

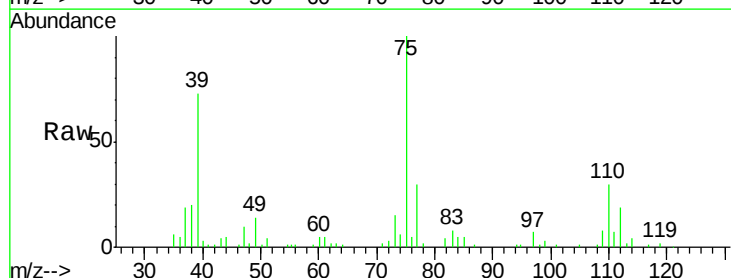
Tgt Ion: 75 Resp: 64295

Ion Ratio Lower Upper

75 100

110 30.1 15.8 47.3

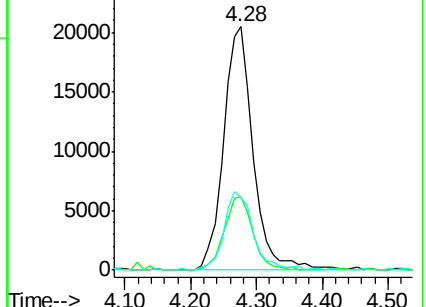
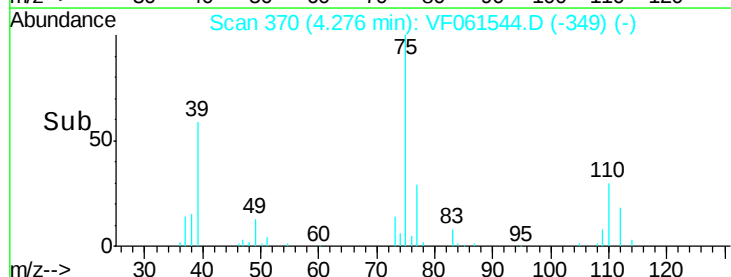
77 29.8 24.0 36.0

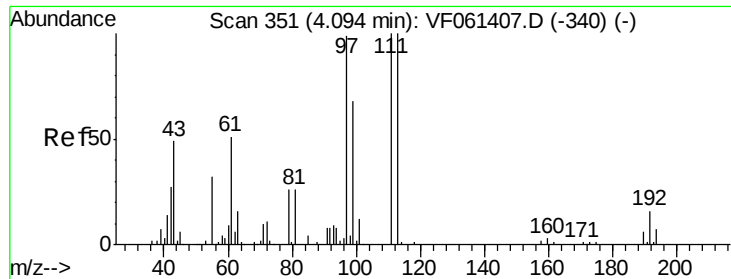


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 18.521 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.01 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VF0207SBS01

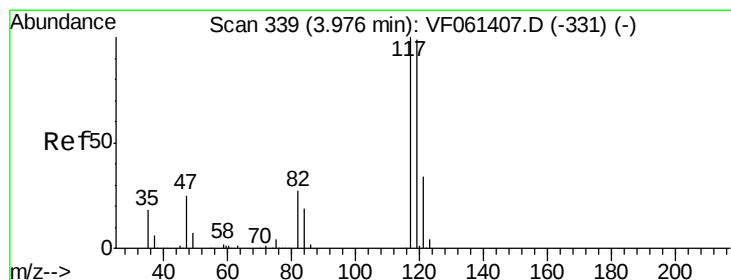
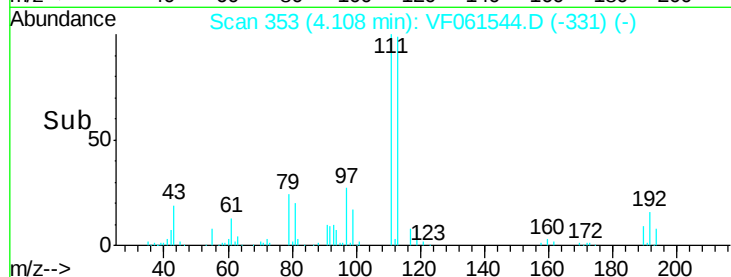
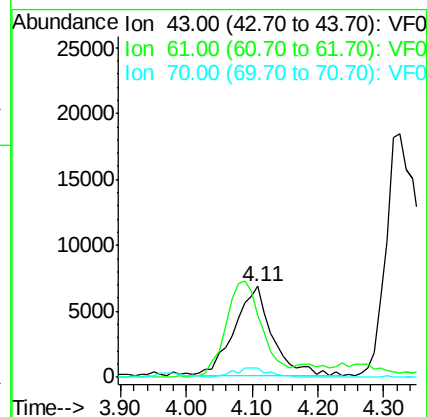
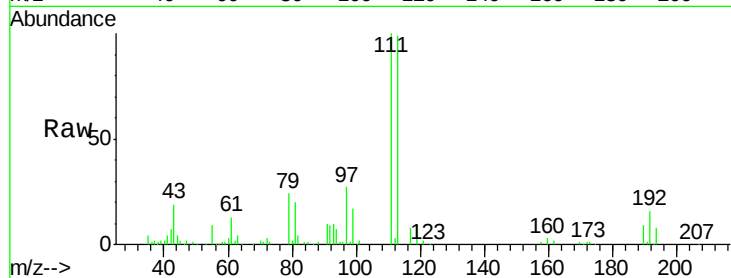
Tot Ion: 43 Resp: 26924

Ion Ratio Lower Upper

43 100

61 67.5 81.7 122.5#

70 10.2 6.2 9.2#



#38

Carbon Tetrachloride

Concen: 17.632 ug/l

RT: 3.98 min Scan# 340

Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

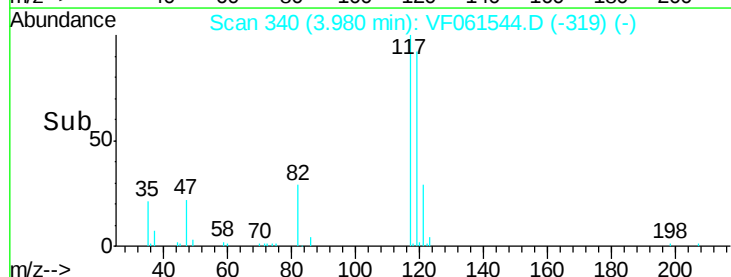
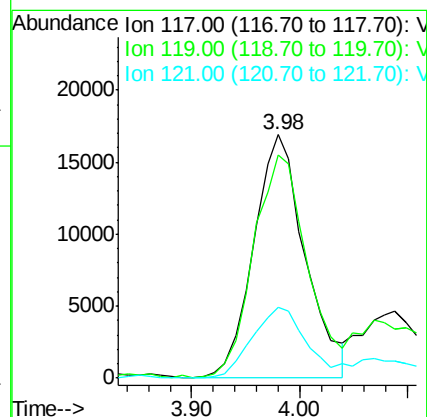
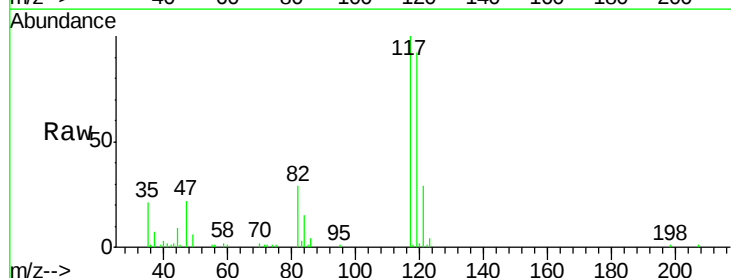
Tgt Ion: 117 Resp: 56058

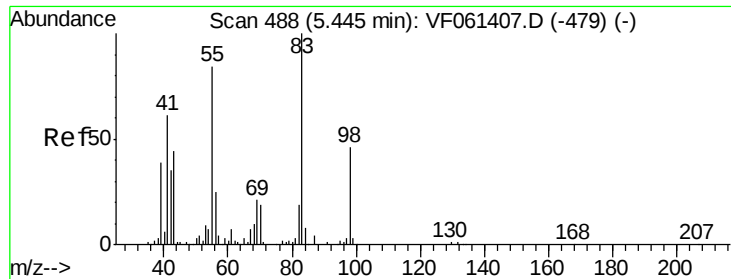
Ion Ratio Lower Upper

117 100

119 91.6 79.0 118.6

121 29.1 27.0 40.6





#39

Methvlcvclohexane

Concen: 16.636 ug/l

RT: 5.45 min Scan# 489

Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VF0207SBS01

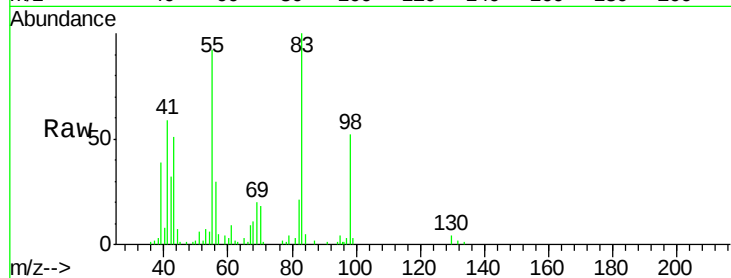
Tot Ion: 83 Resp: 65565

Ion Ratio Lower Upper

83 100

55 92.2 67.4 101.2

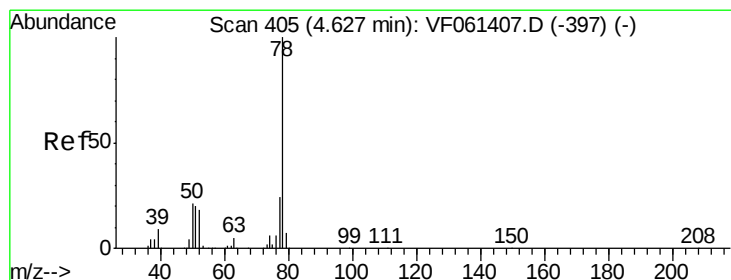
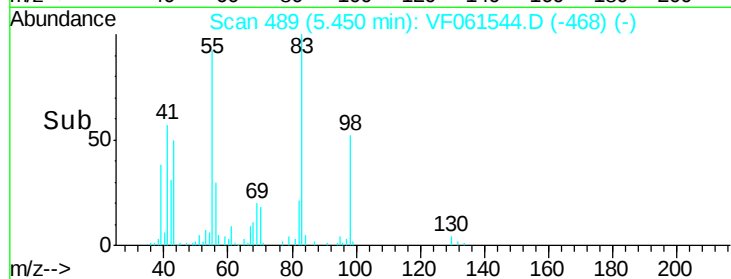
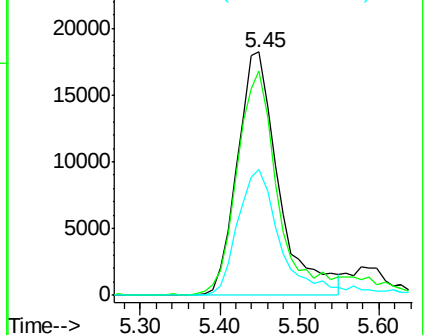
98 51.9 36.7 55.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#40

Benzene

Concen: 18.600 ug/l

RT: 4.62 min Scan# 405

Delta R.T. -0.01 min

Lab File: VF061544.D

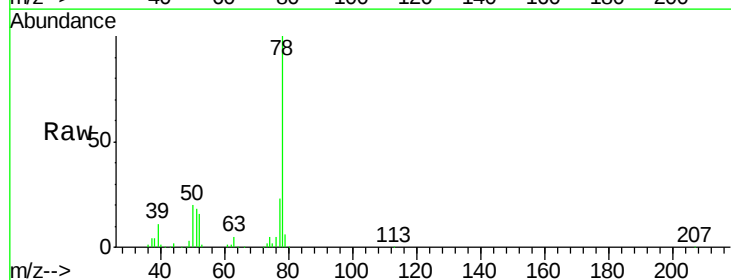
Acq: 7 Feb 2019 14:49

Tgt Ion: 78 Resp: 150520

Ion Ratio Lower Upper

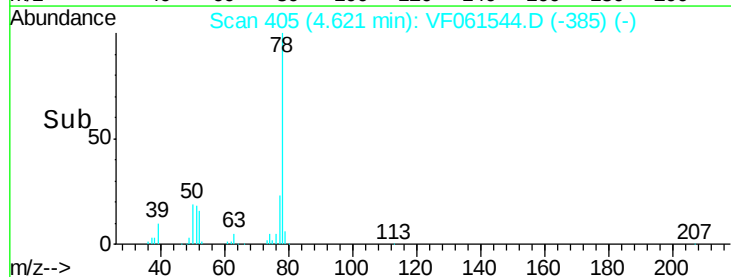
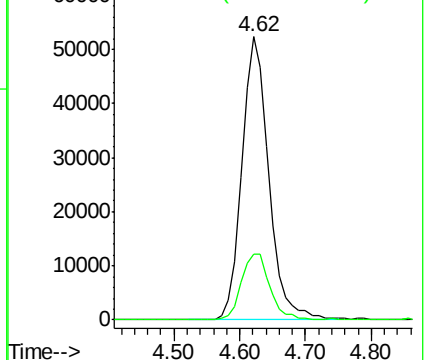
78 100

77 23.4 19.0 28.6



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

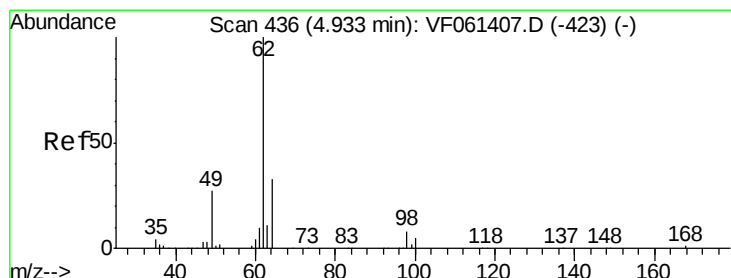
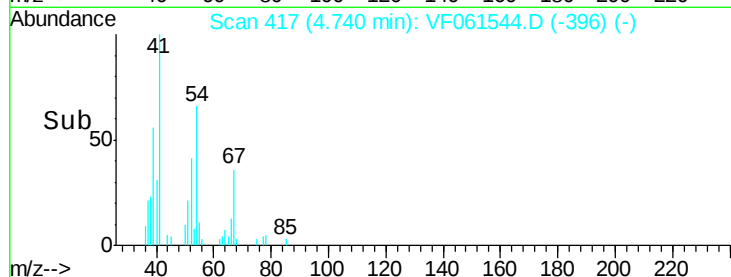
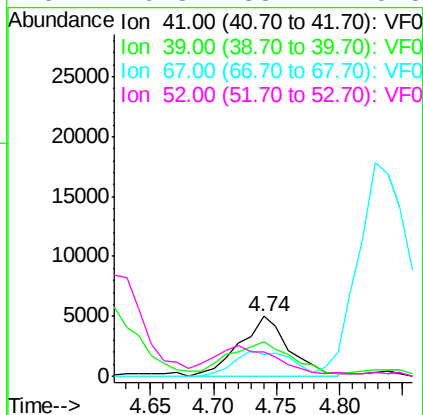
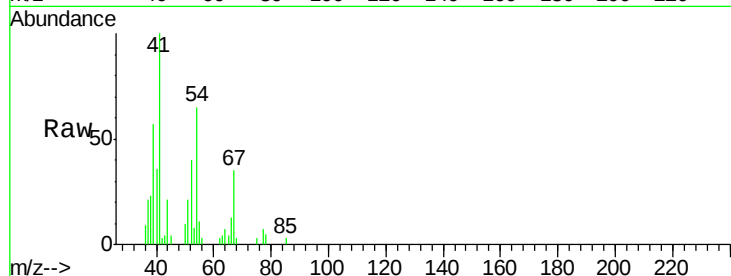




#41
Methacrylonitrile
Concen: 17.559 ug/l
RT: 4.74 min Scan# 417
Delta R.T. 0.00 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

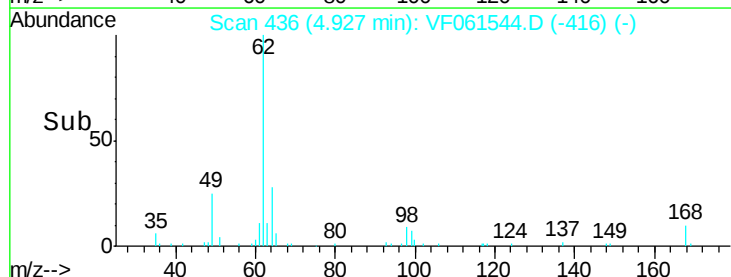
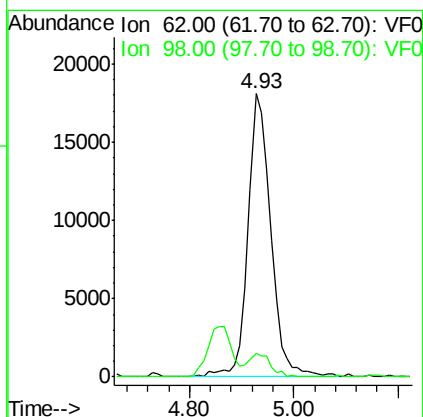
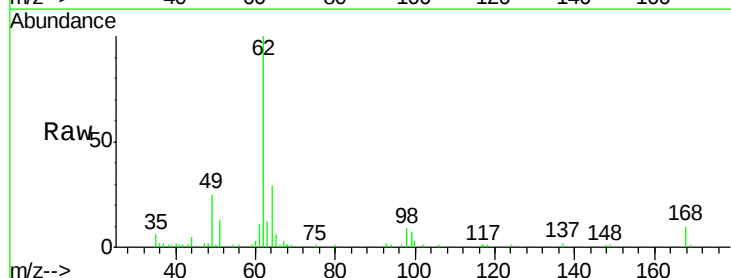
Instrument :
MSVOA_F
ClientSampleId :
VF0207SBS01

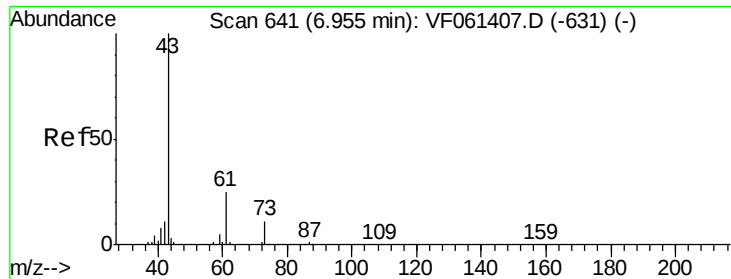
Tot Ion:	41	Resp:	13582
Ion	Ratio	Lower	Upper
41	100		
39	56.5	43.1	64.7
67	35.5	38.8	58.2
52	40.3	33.2	49.8



#42
1,2-Dichloroethane
Concen: 18.542 ug/l
RT: 4.93 min Scan# 436
Delta R.T. -0.01 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

Tgt Ion:	62	Resp:	53469
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.0





#43

Isopropyl Acetate

Concen: 16.945 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.01 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VF0207SBS01

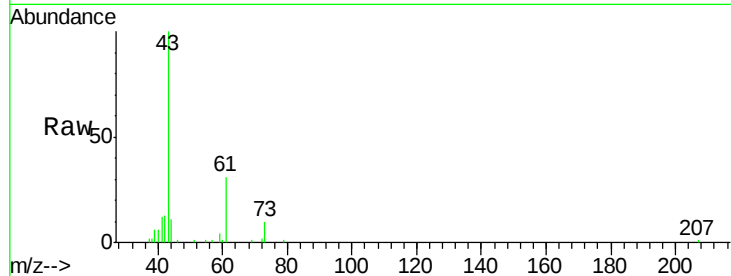
Tot Ion: 43 Resp: 30917

Ion Ratio Lower Upper

43 100

61 30.7 20.3 30.5#

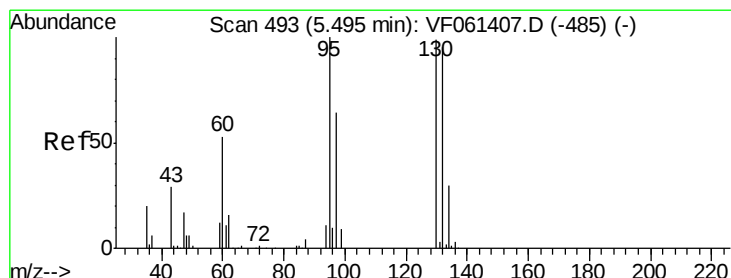
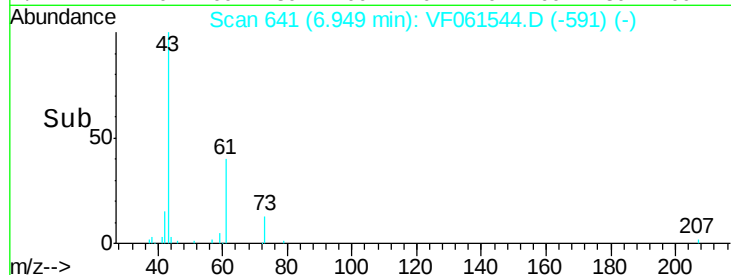
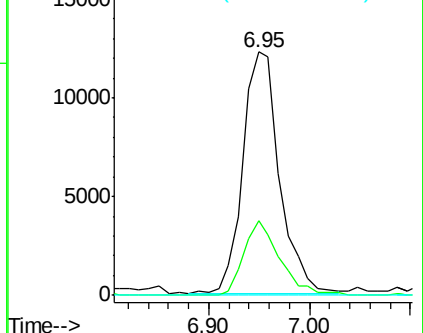
87 0.0 0.5 0.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 18.538 ug/l

RT: 5.50 min Scan# 494

Delta R.T. 0.00 min

Lab File: VF061544.D

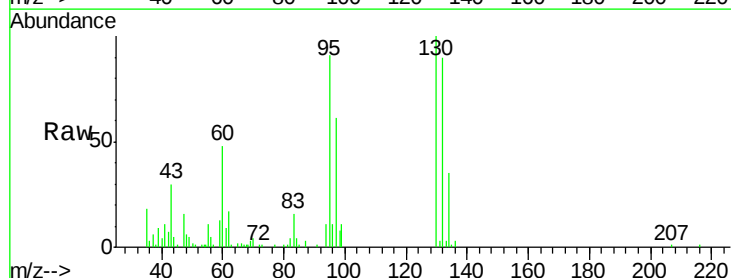
Acq: 7 Feb 2019 14:49

Tgt Ion:130 Resp: 46020

Ion Ratio Lower Upper

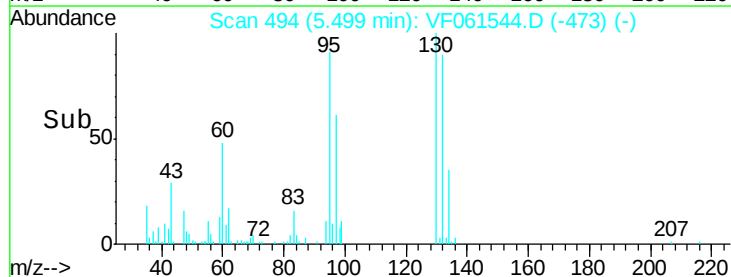
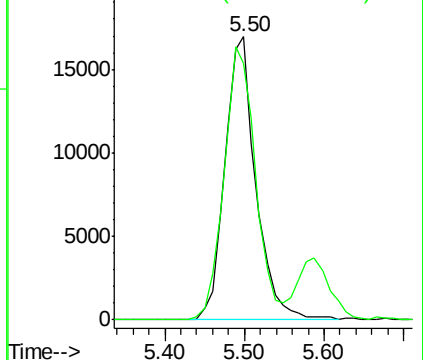
130 100

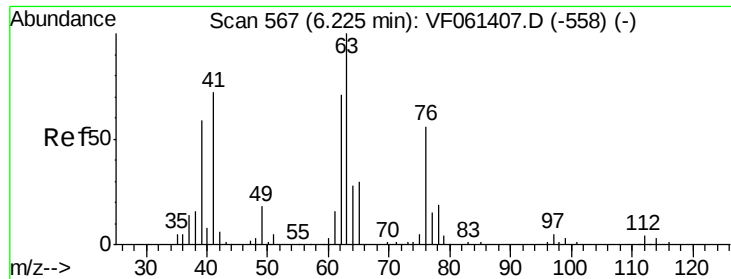
95 90.6 0.0 202.8



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 18.641 ug/l

RT: 6.23 min Scan# 568

Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

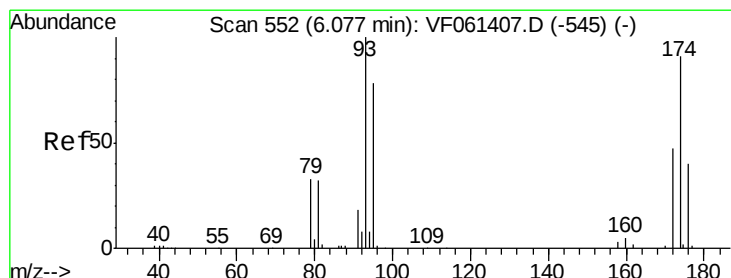
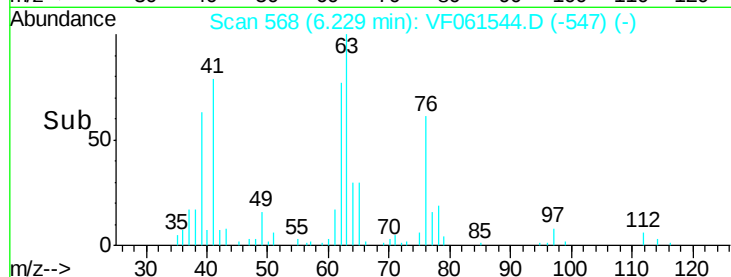
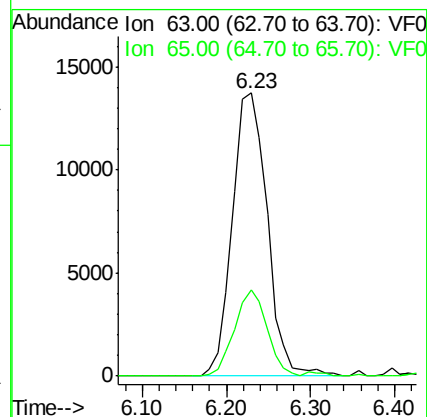
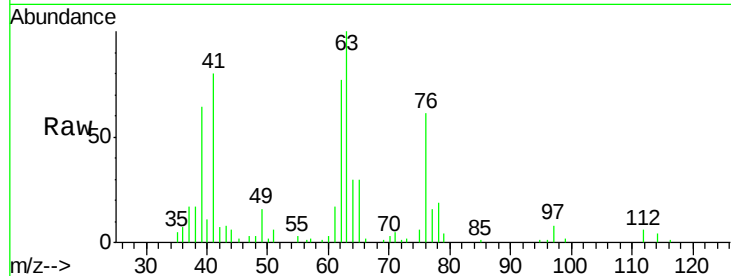
VF0207SBS01

Tot Ion: 63 Resp: 39590

Ion Ratio Lower Upper

63 100

65 30.4 24.4 36.6



#46

Dibromomethane

Concen: 17.409 ug/l

RT: 6.07 min Scan# 552

Delta R.T. -0.01 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

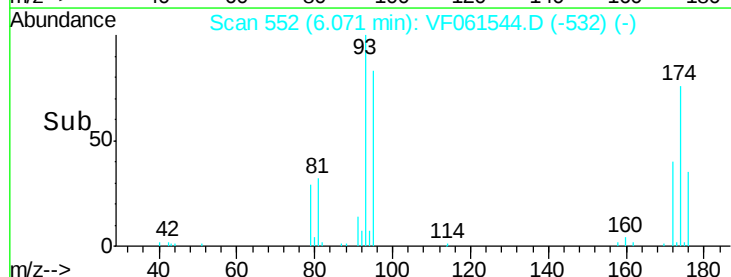
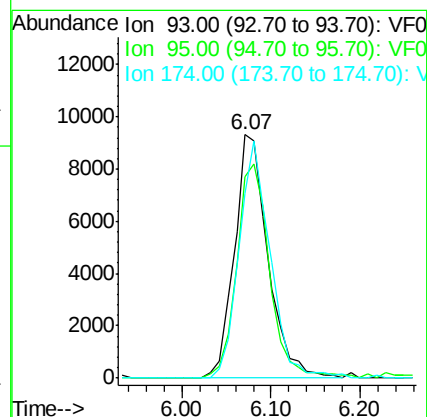
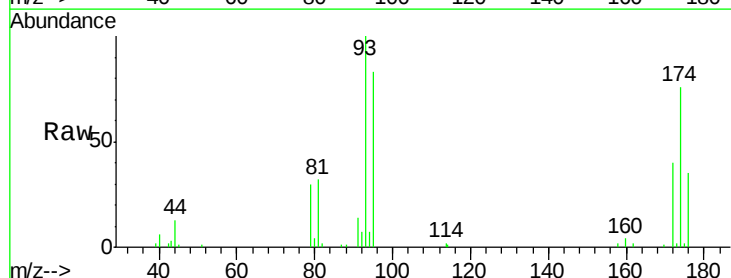
Tgt Ion: 93 Resp: 24586

Ion Ratio Lower Upper

93 100

95 82.8 62.1 93.1

174 76.1 74.6 111.8





#47

Bromodichloromethane

Concen: 17.979 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VF0207SBS01

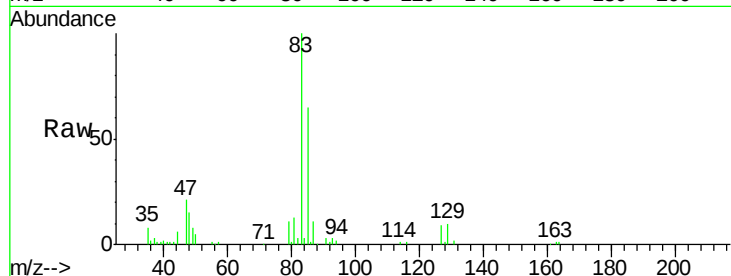
Tot Ion: 83 Resp: 62820

Ion Ratio Lower Upper

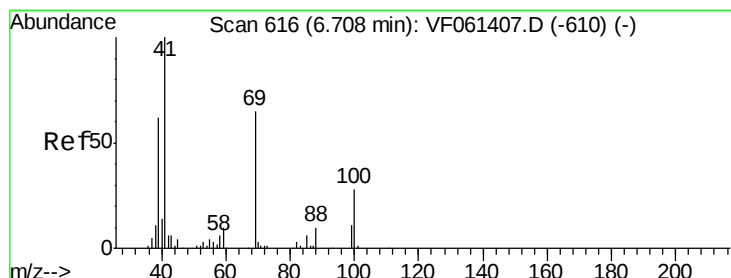
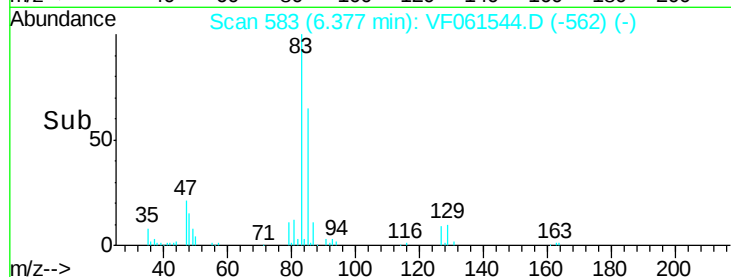
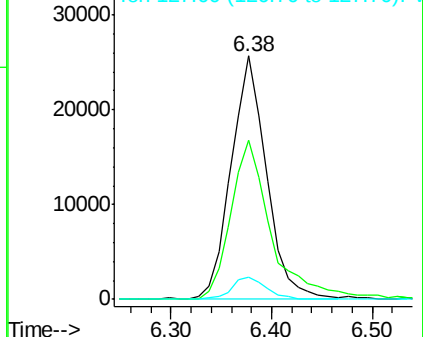
83 100

85 65.3 53.0 79.4

127 9.3 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: 16.050 ug/l

RT: 6.71 min Scan# 617

Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

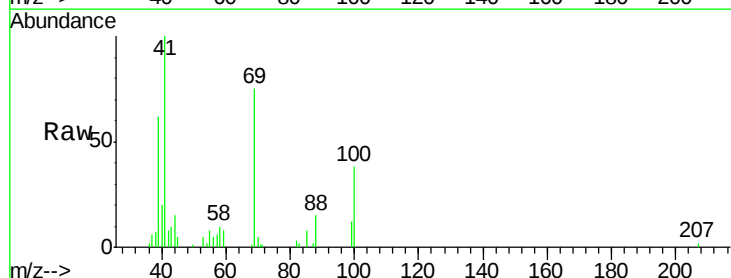
Tgt Ion: 41 Resp: 19664

Ion Ratio Lower Upper

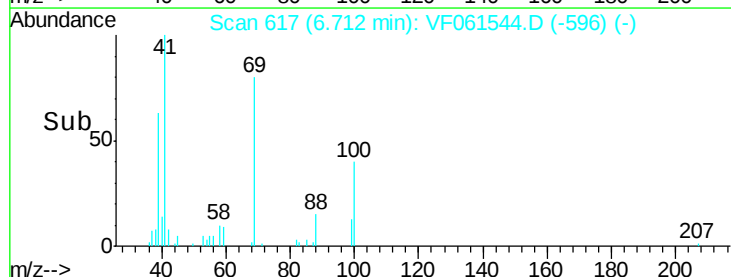
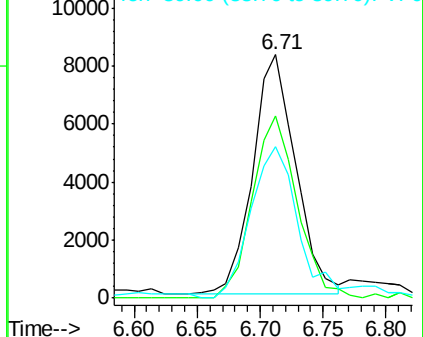
41 100

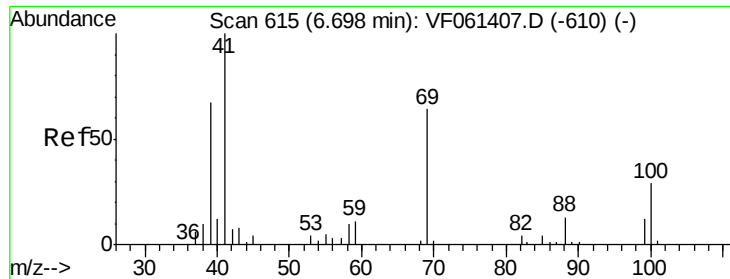
69 74.8 51.7 77.5

39 62.1 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: 347.477 ug/l

RT: 6.70 min Scan# 616

Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VF0207SBS01

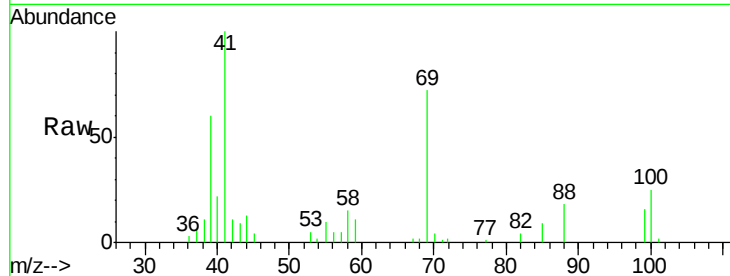
Tot Ion: 88 Resp: 3359

Ion Ratio Lower Upper

88 100

43 53.6 55.5 83.3#

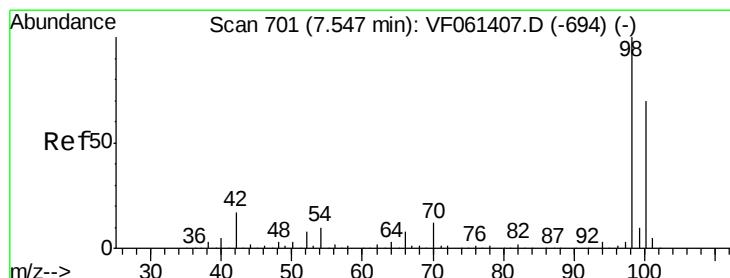
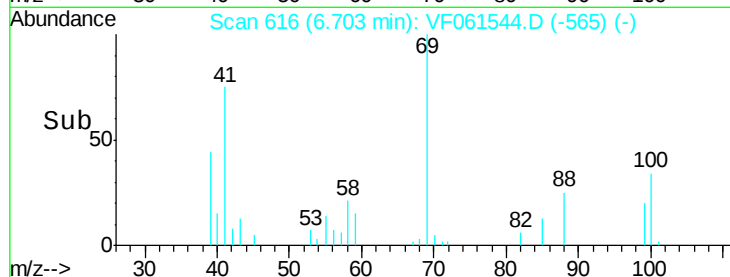
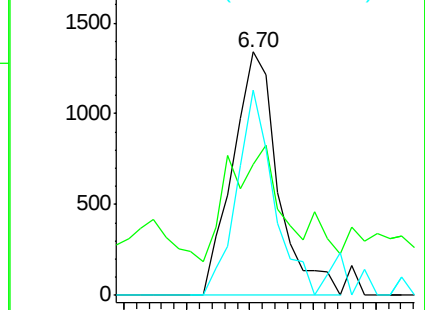
58 84.3 59.9 89.9



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 47.112 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.01 min

Lab File: VF061544.D

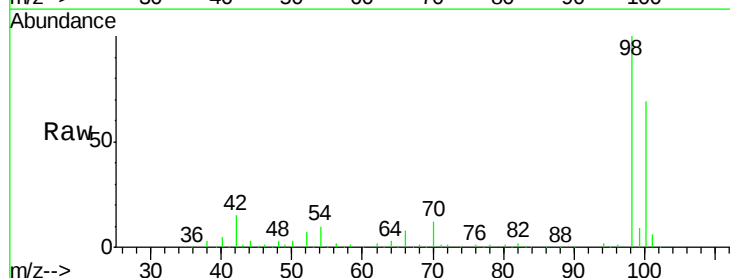
Acq: 7 Feb 2019 14:49

Tgt Ion: 98 Resp: 319475

Ion Ratio Lower Upper

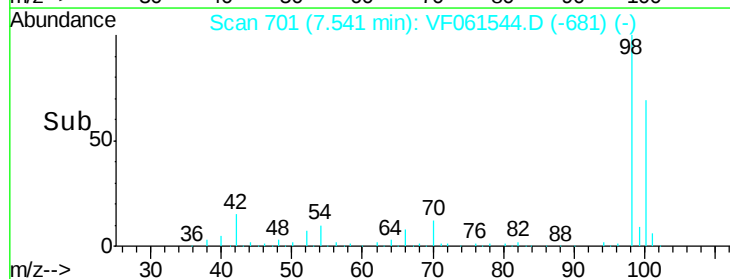
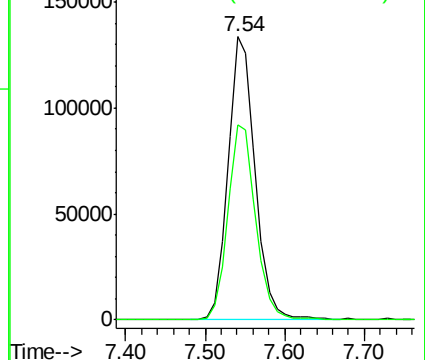
98 100

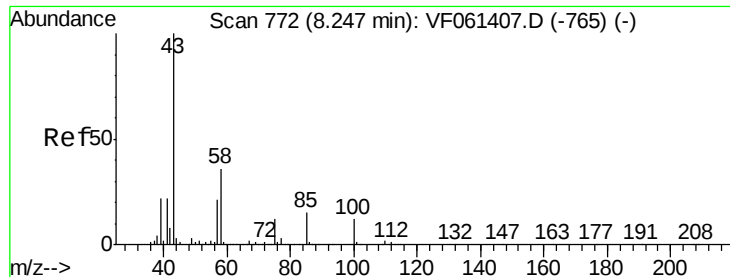
100 68.8 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 92.230 ug/l

RT: 8.25 min Scan# 773

Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

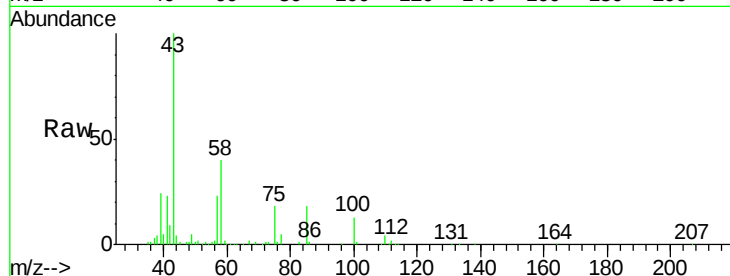
VF0207SBS01

Tot Ion: 43 Resp: 123708

Ion Ratio Lower Upper

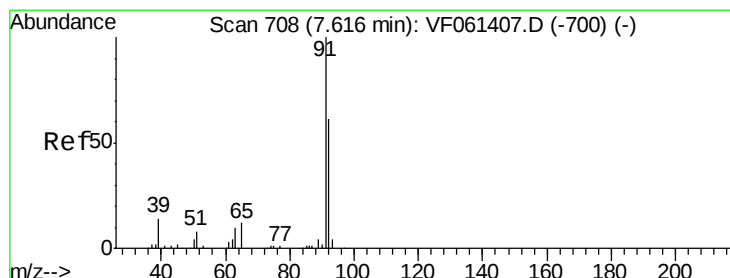
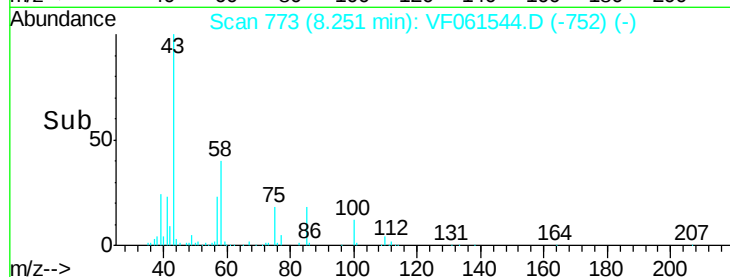
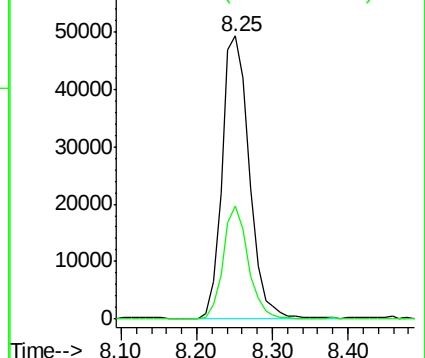
43 100

58 39.9 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 17.692 ug/l

RT: 7.62 min Scan# 709

Delta R.T. 0.00 min

Lab File: VF061544.D

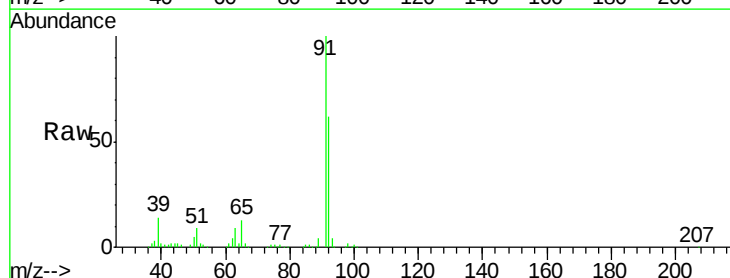
Acq: 7 Feb 2019 14:49

Tgt Ion: 92 Resp: 94279

Ion Ratio Lower Upper

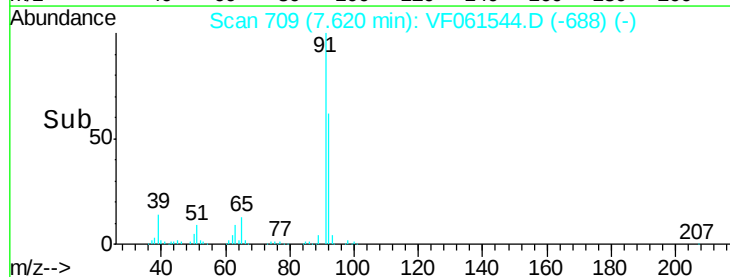
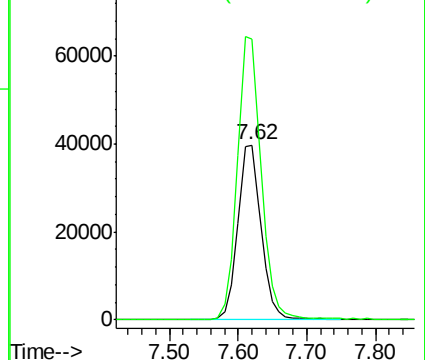
92 100

91 160.5 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

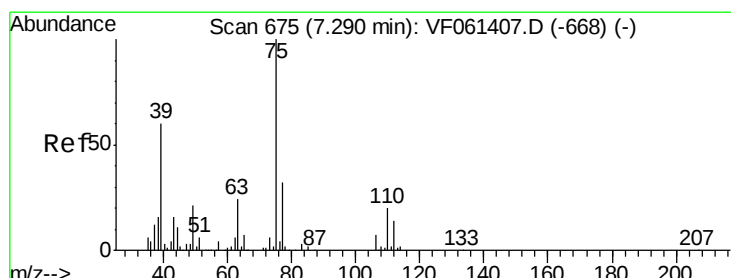
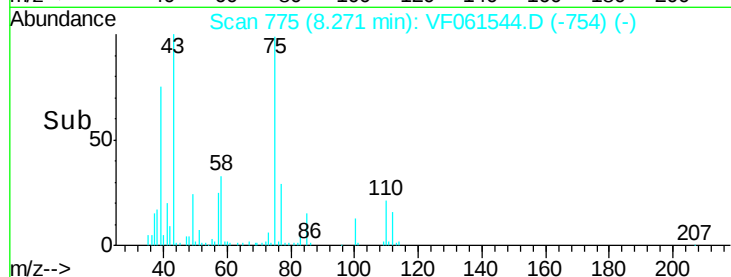
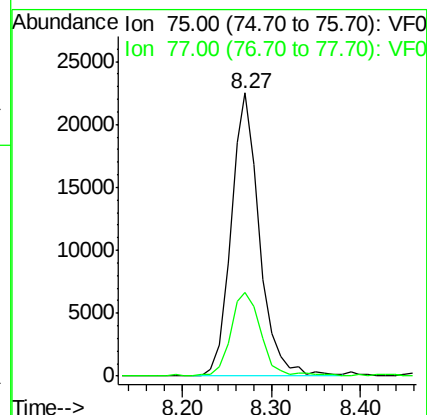
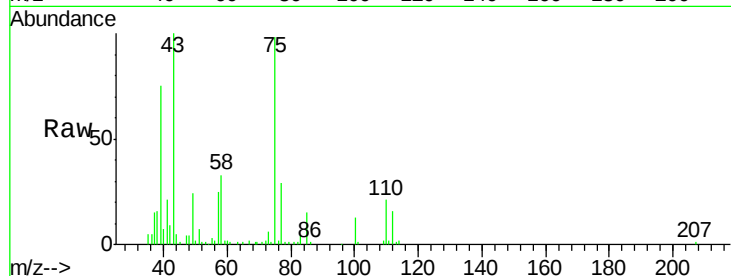




#53
 t-1,3-Dichloropropene
 Concen: 18.115 ug/l
 RT: 8.27 min Scan# 775
 Delta R.T. 0.00 min
 Lab File: VF061544.D
 Acq: 7 Feb 2019 14:49

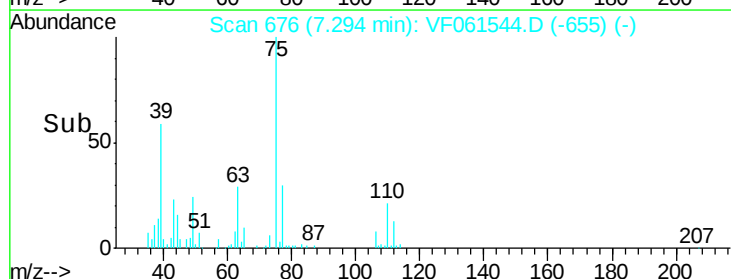
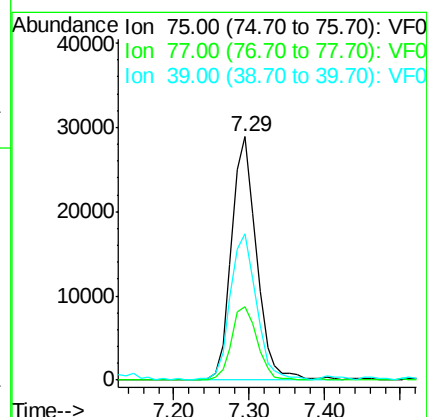
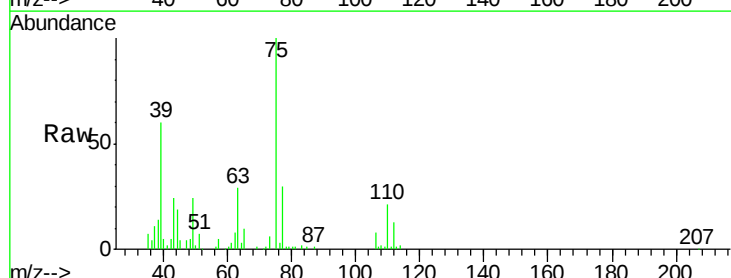
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0207SBS01

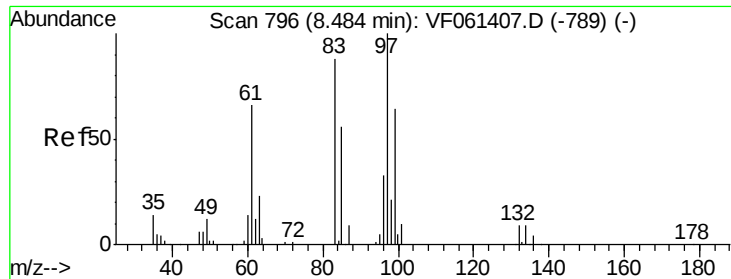
Tot Ion: 75 Resp: 50262
 Ion Ratio Lower Upper
 75 100
 77 29.4 24.4 36.6



#54
 cis-1,3-Dichloropropene
 Concen: 19.148 ug/l
 RT: 7.29 min Scan# 676
 Delta R.T. 0.00 min
 Lab File: VF061544.D
 Acq: 7 Feb 2019 14:49

Tgt Ion: 75 Resp: 66406
 Ion Ratio Lower Upper
 75 100
 77 30.4 25.4 38.0
 39 60.3 47.8 71.8





#55

1,1,2-Trichloroethane

Concen: 18.967 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.01 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VF0207SBS01

Tot Ion: 97 Resp: 28703

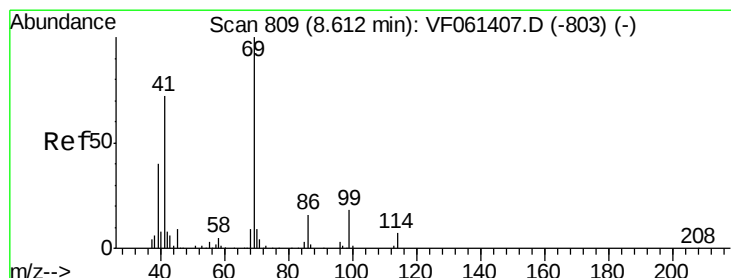
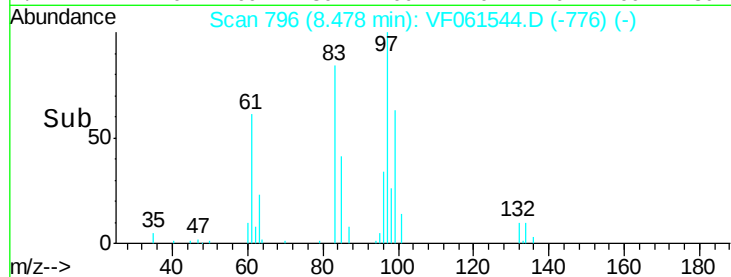
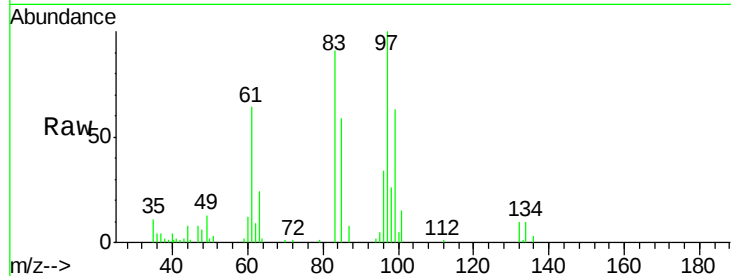
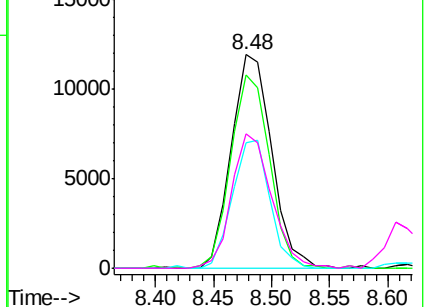
Ion	Ratio	Lower	Upper
97	100		
83	90.8	70.4	105.6
85	58.8	44.7	67.1
99	62.8	50.8	76.2

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



#56

Ethyl methacrylate

Concen: 18.056 ug/l

RT: 8.62 min Scan# 810

Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

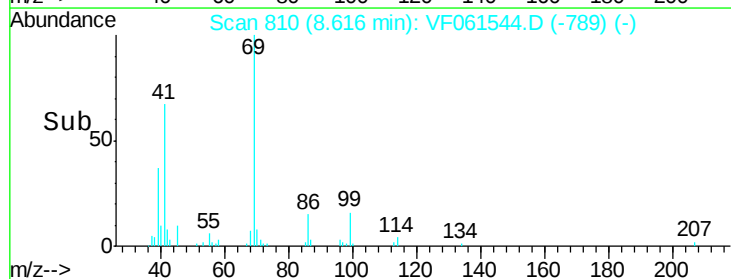
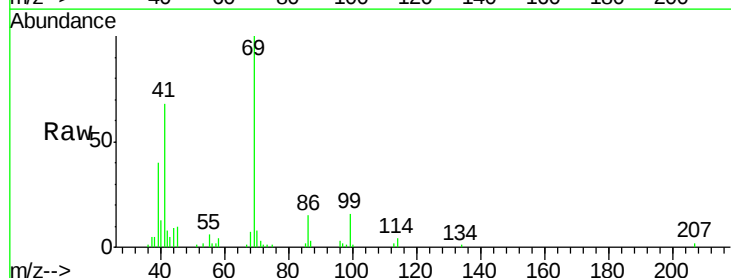
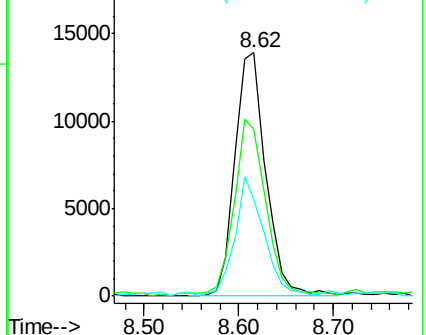
Tgt Ion: 69 Resp: 31790

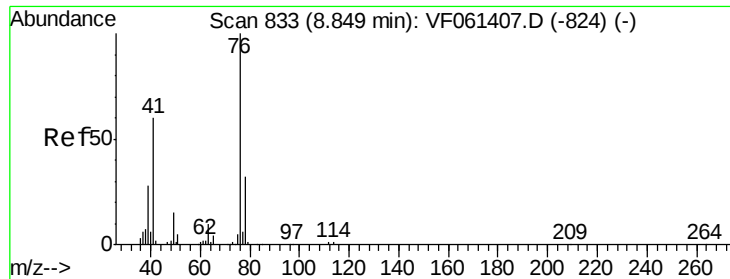
Ion	Ratio	Lower	Upper
69	100		
41	68.5	57.5	86.3
39	39.8	32.0	48.0

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





#57

1,3-Dichloropropane

Concen: 17.085 ug/l

RT: 8.84 min Scan# 833

Delta R.T. -0.01 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

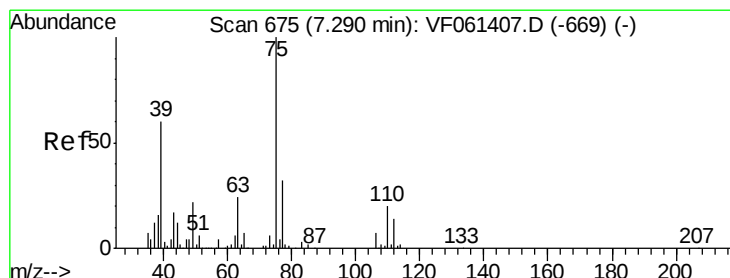
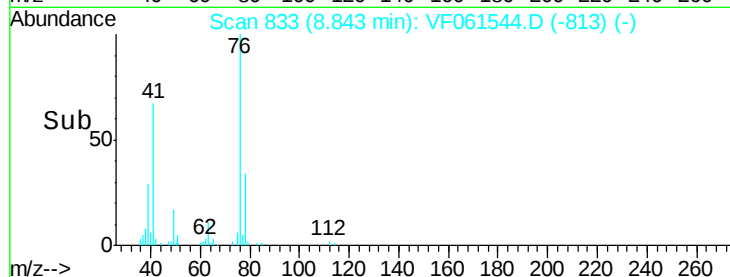
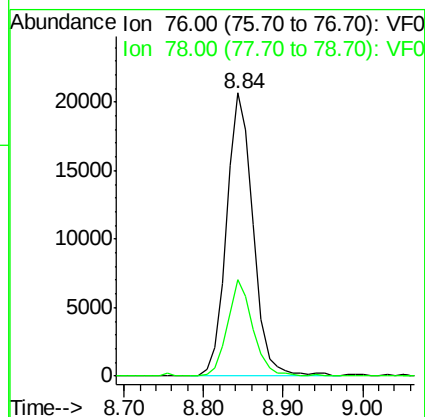
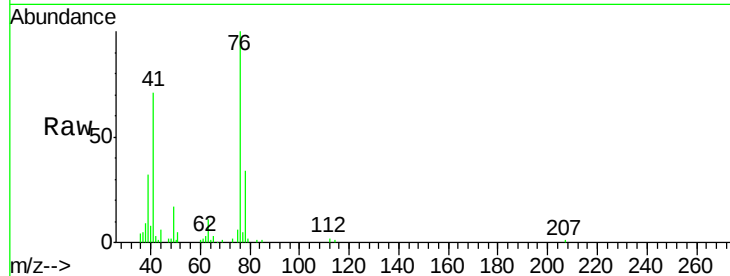
VF0207SBS01

Tot Ion: 76 Resp: 48460

Ion Ratio Lower Upper

76 100

78 33.9 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 136.557 ug/l

RT: 7.28 min Scan# 675

Delta R.T. -0.01 min

Lab File: VF061544.D

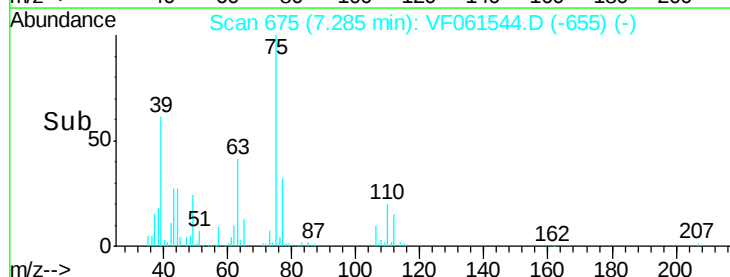
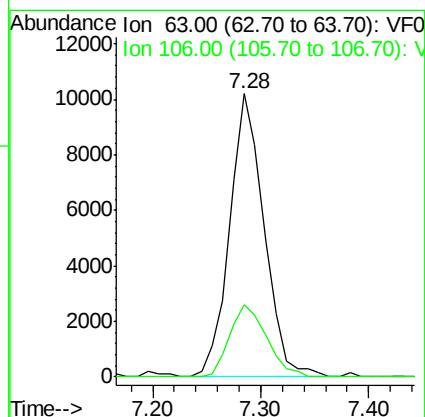
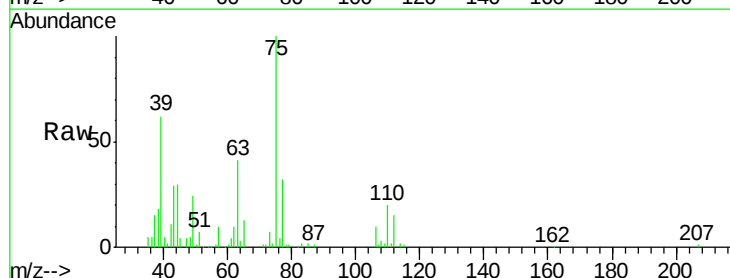
Acq: 7 Feb 2019 14:49

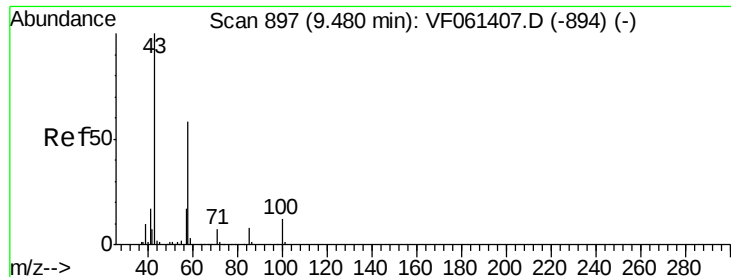
Tgt Ion: 63 Resp: 22621

Ion Ratio Lower Upper

63 100

106 25.7 21.9 32.9

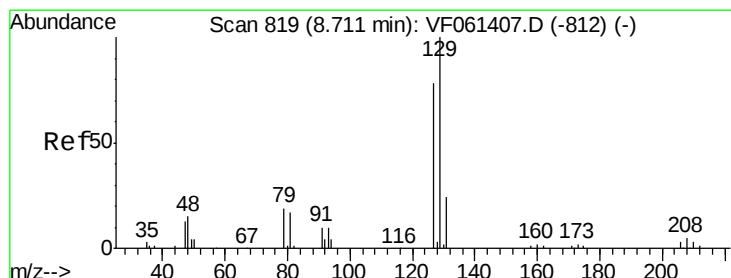
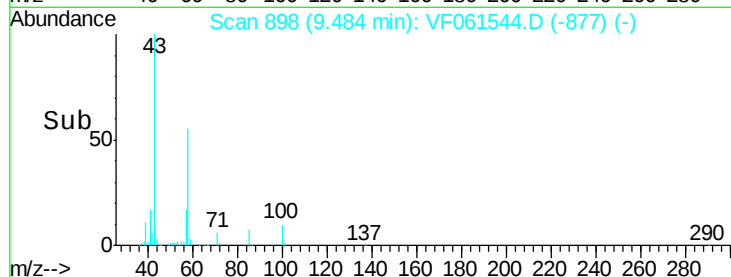
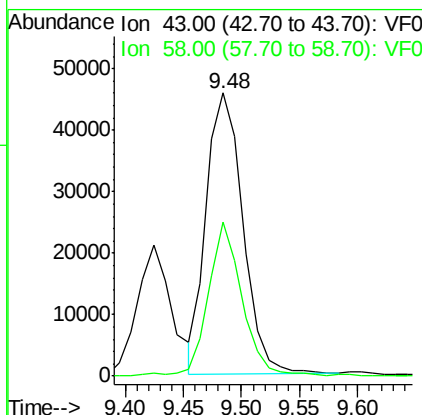
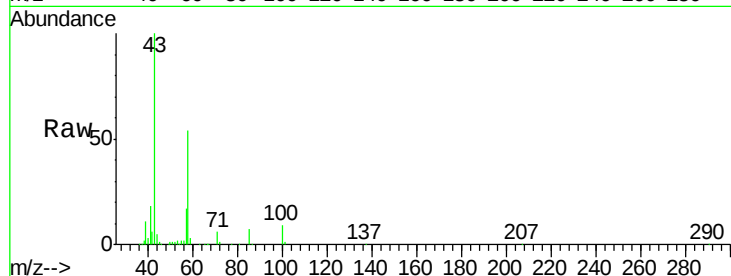




#59
2-Hexanone
Concen: 106.925 ug/l
RT: 9.48 min Scan# 898
Delta R.T. 0.00 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

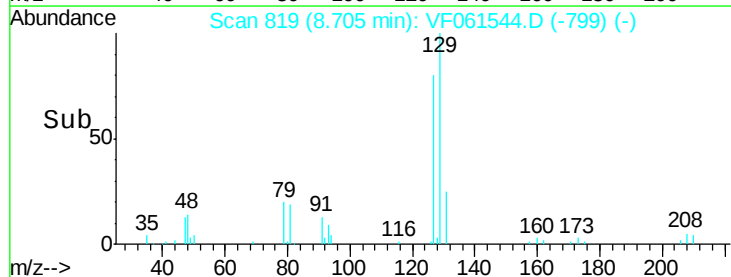
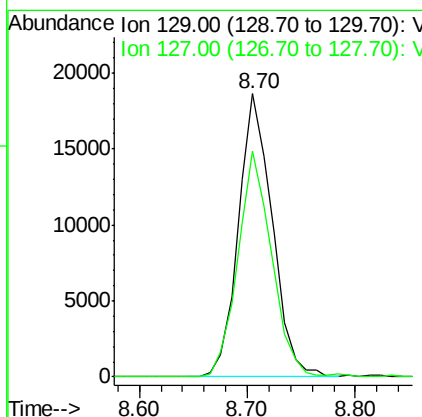
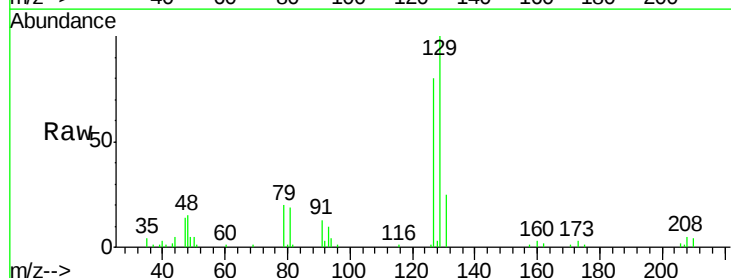
Instrument :
MSVOA_F
ClientSampleId :
VF0207SBS01

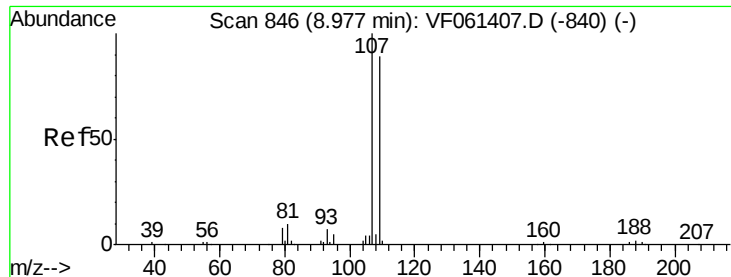
Tot Ion: 43 Resp: 100008
Ion Ratio Lower Upper
43 100
58 54.3 25.9 77.6



#60
Dibromochloromethane
Concen: 18.236 ug/l
RT: 8.70 min Scan# 819
Delta R.T. -0.01 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

Tgt Ion: 129 Resp: 40345
Ion Ratio Lower Upper
129 100
127 79.8 39.1 117.2





#61

1,2-Dibromoethane

Concen: 17.034 ug/l

RT: 8.98 min Scan# 847

Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

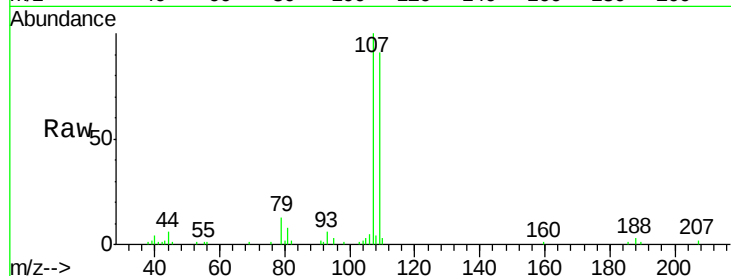
VF0207SBS01

Tot Ion:107 Resp: 29509

Ion Ratio Lower Upper

107 100

109 90.5 70.8 106.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.98

15000

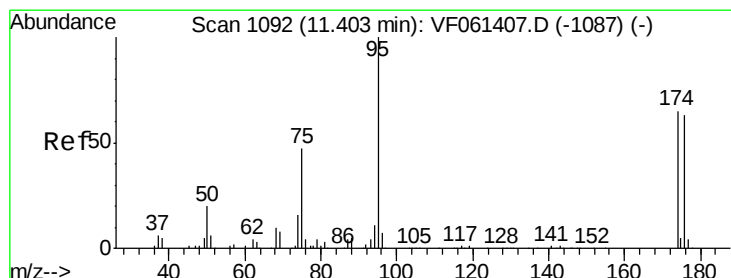
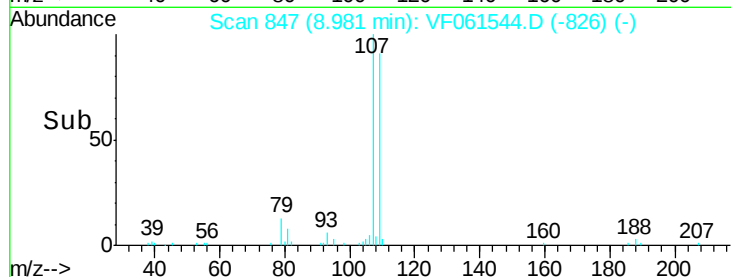
10000

5000

0

Time-->

8.90 9.00 9.10



#62

4-Bromofluorobenzene

Concen: 46.701 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

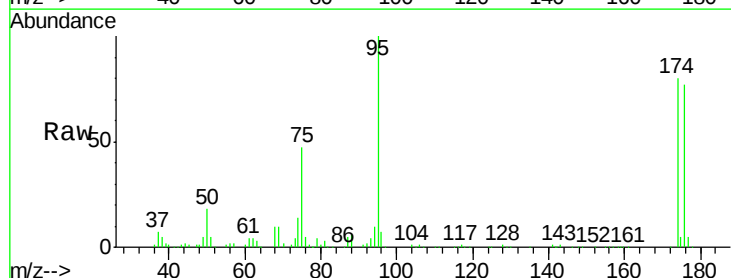
Tgt Ion: 95 Resp: 147963

Ion Ratio Lower Upper

95 100

174 80.2 0.0 130.4

176 77.1 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

11.41

100000

80000

60000

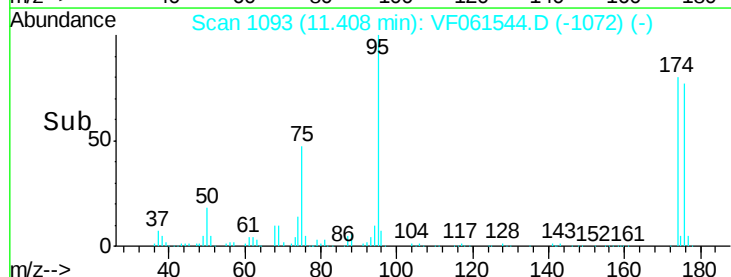
40000

20000

0

Time-->

11.30 11.40 11.50 11.60

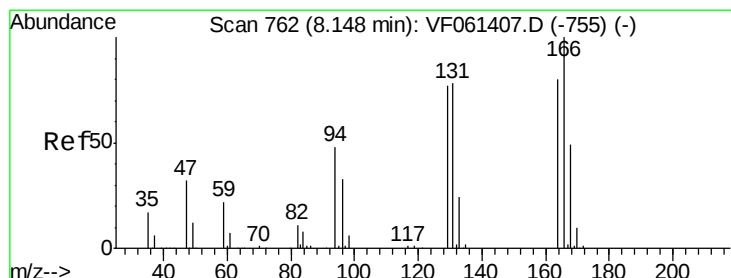
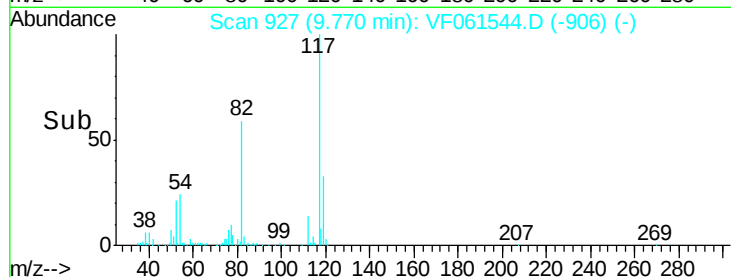
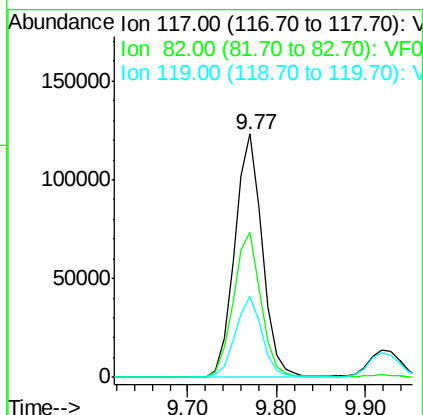
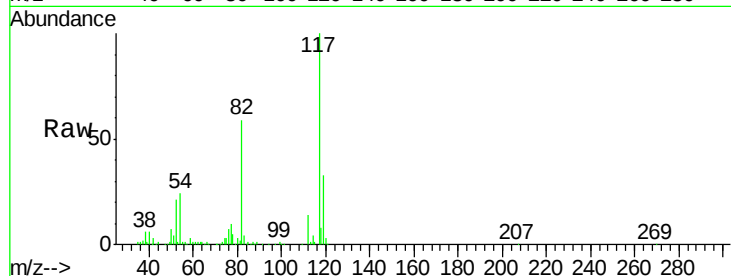




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. 0.00 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

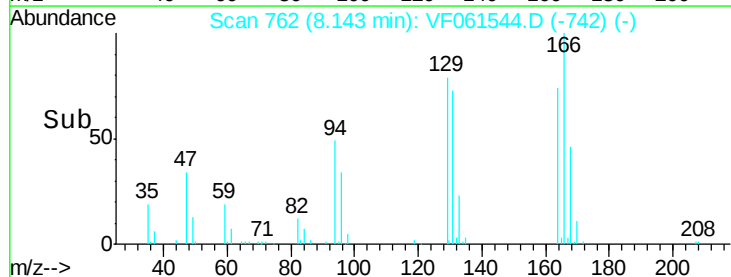
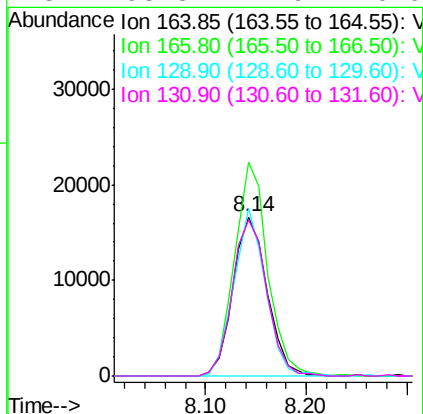
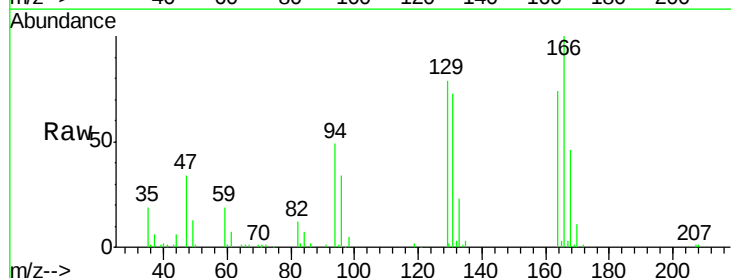
Instrument :
MSVOA_F
ClientSampleId :
VF0207SBS01

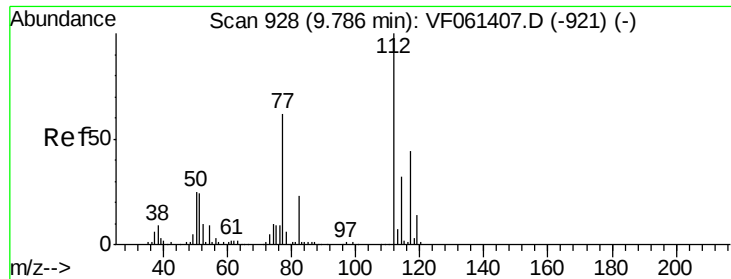
Tot Ion:117 Resp: 267412
Ion Ratio Lower Upper
117 100
82 59.4 46.4 69.6
119 33.1 27.2 40.8



#64
Tetrachloroethene
Concen: 19.464 ug/l
RT: 8.14 min Scan# 762
Delta R.T. -0.01 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

Tgt Ion:164 Resp: 39142
Ion Ratio Lower Upper
164 100
166 134.5 99.6 149.4
129 105.9 76.4 114.6
131 98.3 77.9 116.9

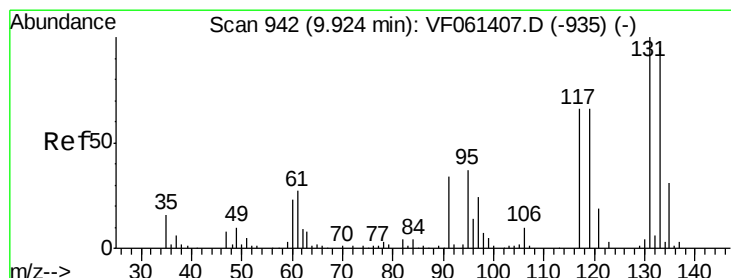
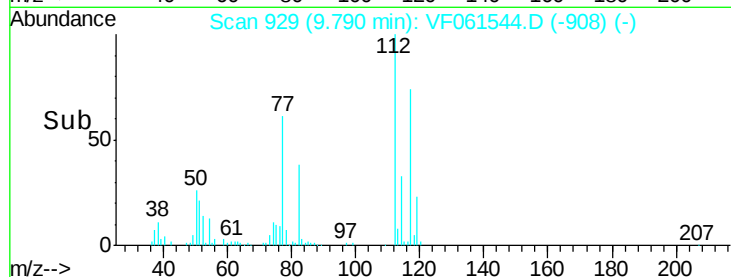
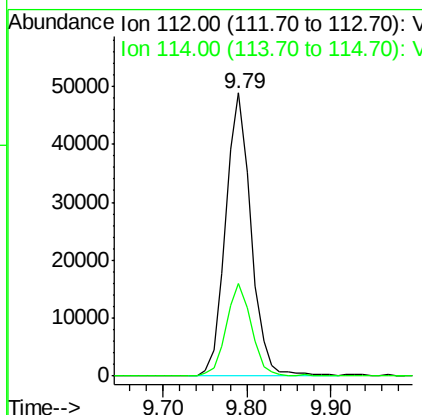
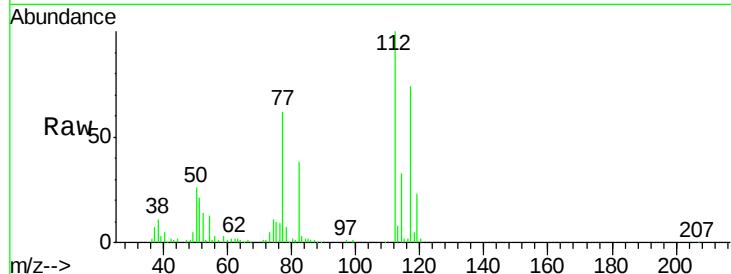




#65
Chlorobenzene
Concen: 18.847 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.00 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

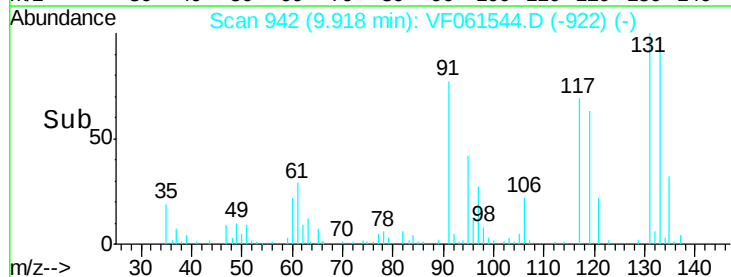
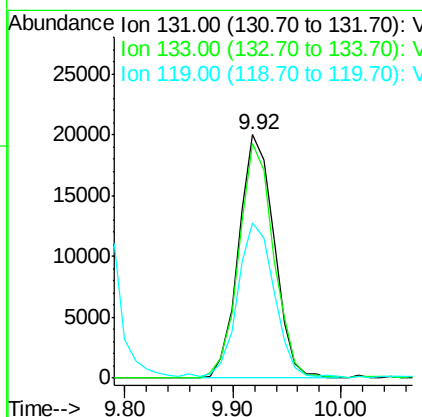
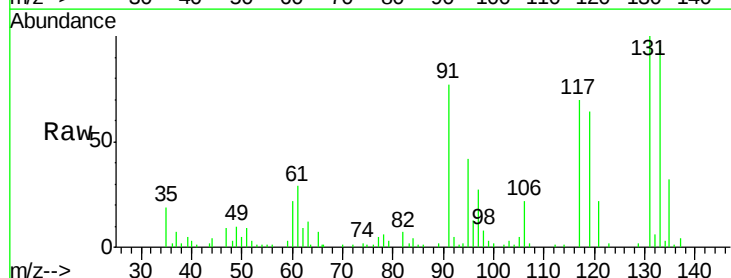
Instrument :
MSVOA_F
ClientSampleId :
VF0207SBS01

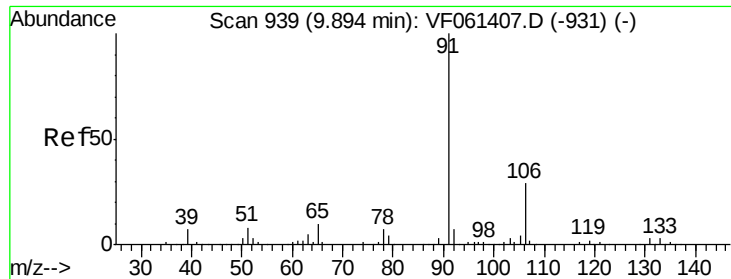
Tot Ion:112 Resp: 102490
Ion Ratio Lower Upper
112 100
114 32.6 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 21.092 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.01 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

Tgt Ion:131 Resp: 45693
Ion Ratio Lower Upper
131 100
133 96.5 47.4 142.2
119 63.7 33.1 99.3





#67

Ethyl Benzene

Concen: 19.795 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.01 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

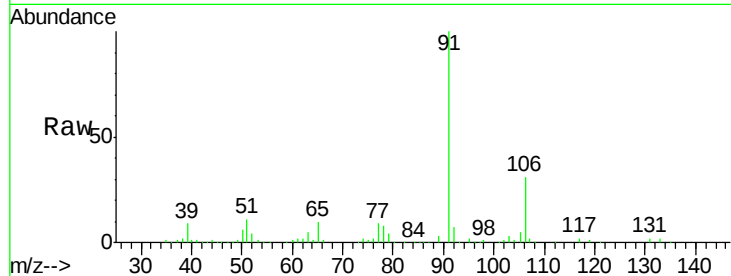
VF0207SBS01

Tot Ion: 91 Resp: 196675

Ion Ratio Lower Upper

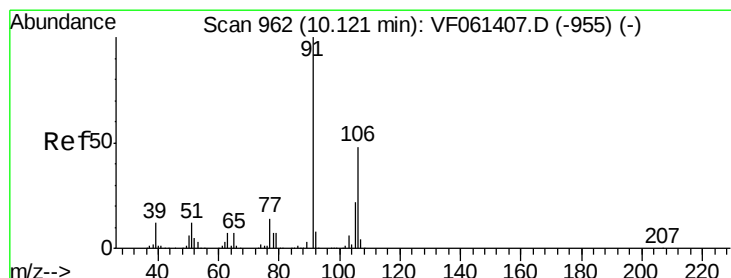
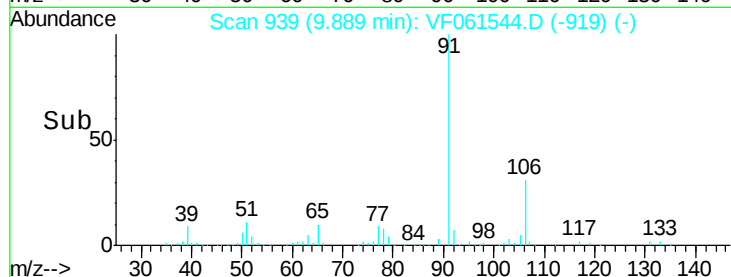
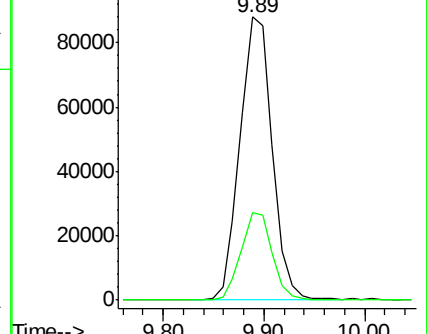
91 100

106 30.9 23.1 34.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 39.418 ug/l

RT: 10.13 min Scan# 963

Delta R.T. 0.00 min

Lab File: VF061544.D

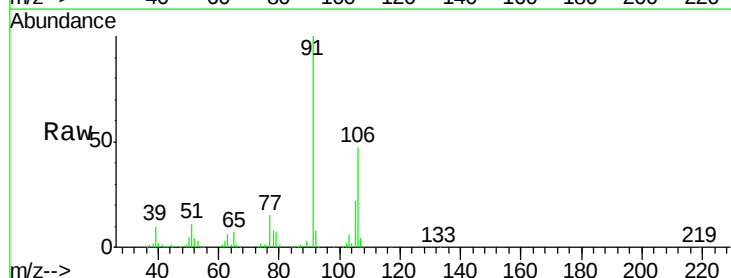
Acq: 7 Feb 2019 14:49

Tgt Ion: 106 Resp: 140858

Ion Ratio Lower Upper

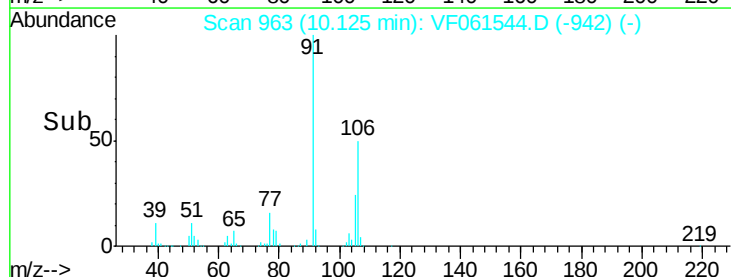
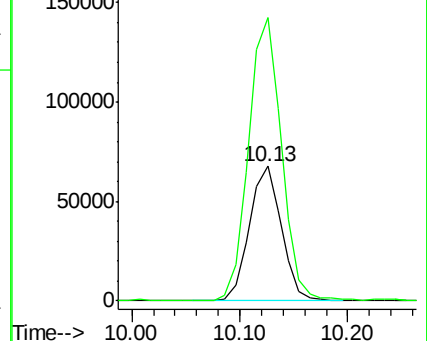
106 100

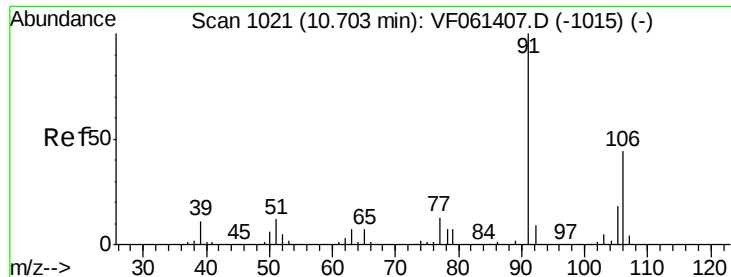
91 210.6 166.2 249.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

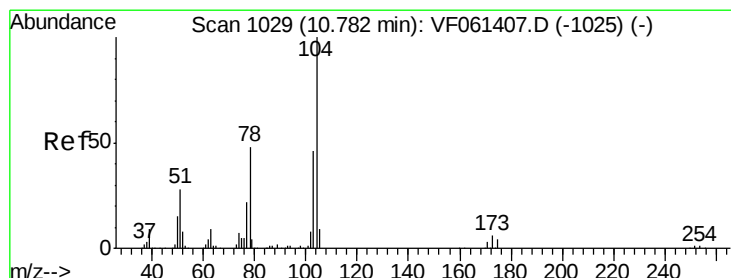
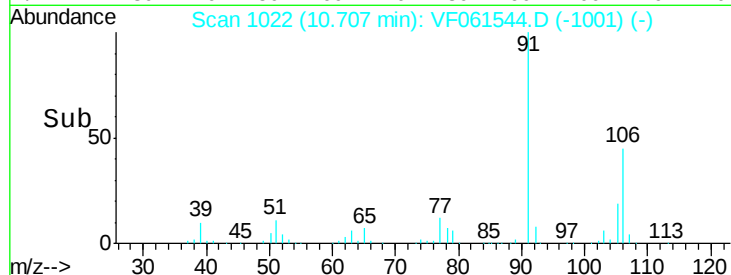
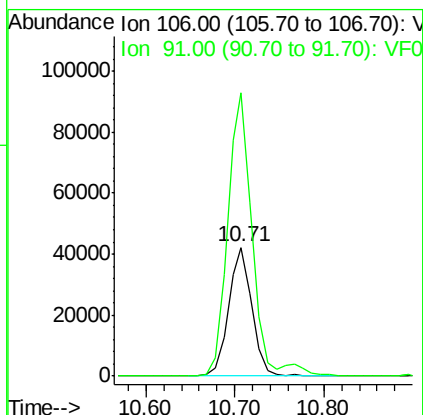
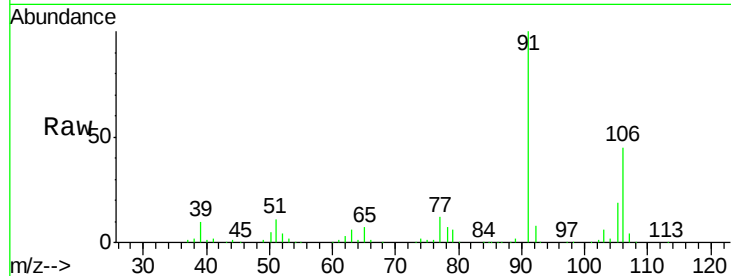




#69
o-Xylene
Concen: 20.172 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. 0.00 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

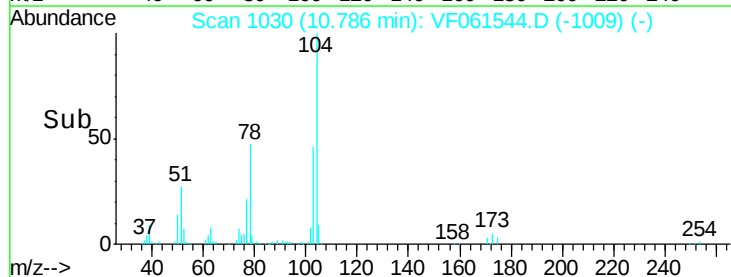
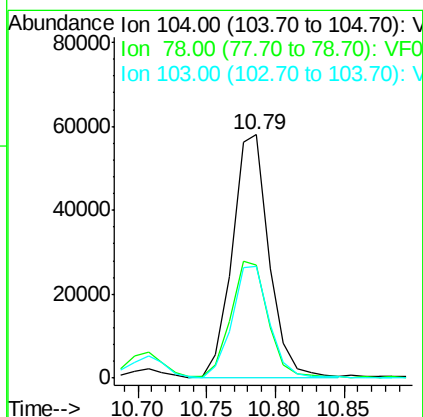
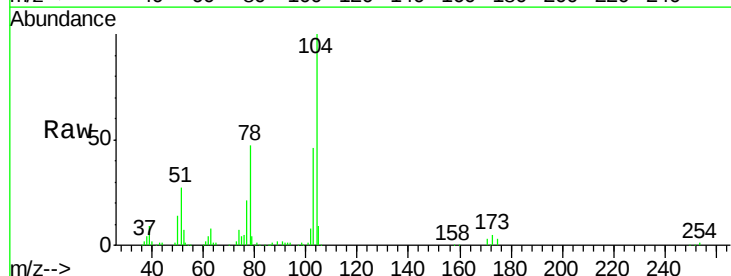
Instrument :
MSVOA_F
ClientSampleId :
VF0207SBS01

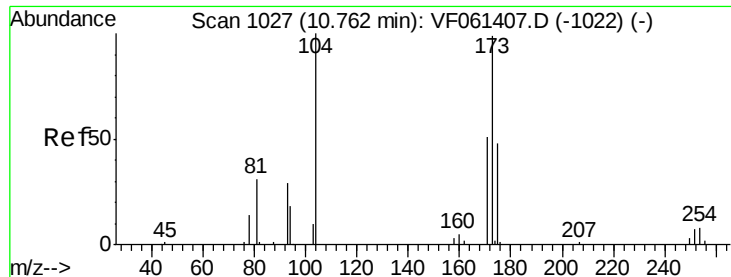
Tot Ion:106 Resp: 78127
Ion Ratio Lower Upper
106 100
91 220.1 113.3 339.8



#70
Styrene
Concen: 20.358 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

Tgt Ion:104 Resp: 107927
Ion Ratio Lower Upper
104 100
78 46.5 38.8 58.2
103 45.8 37.0 55.6

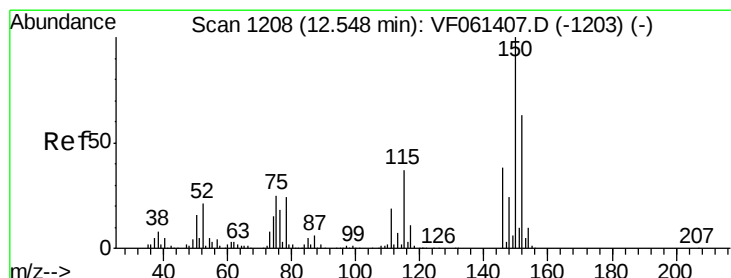
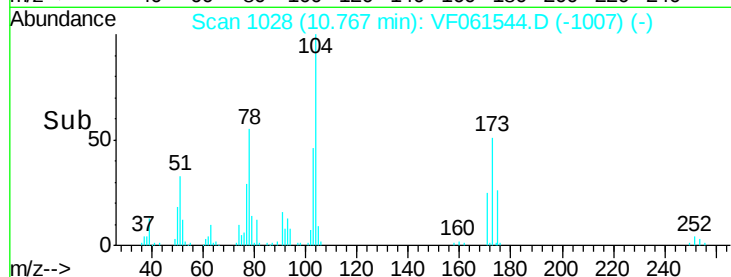
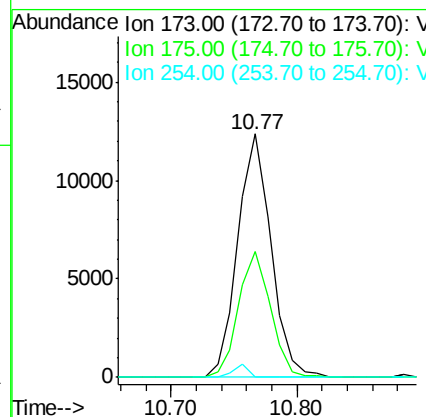
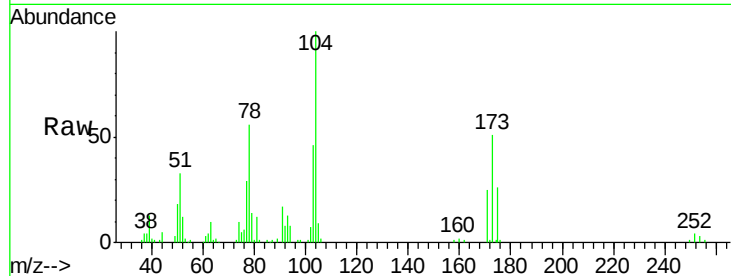




#71
Bromoform
Concen: 23.199 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. 0.00 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

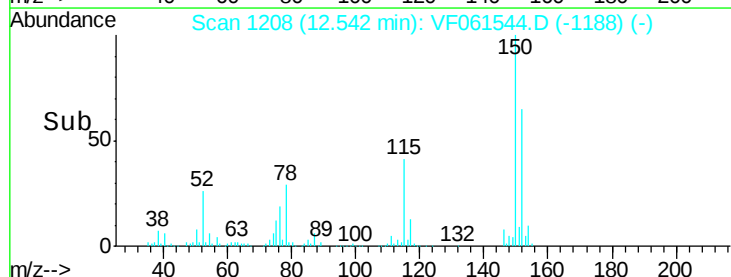
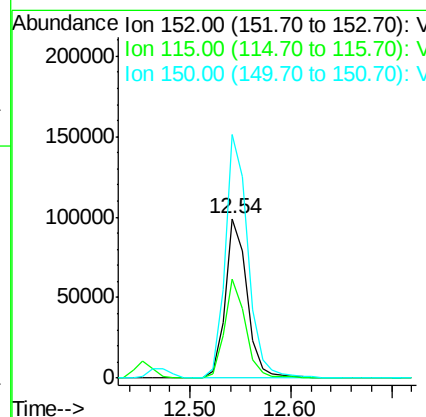
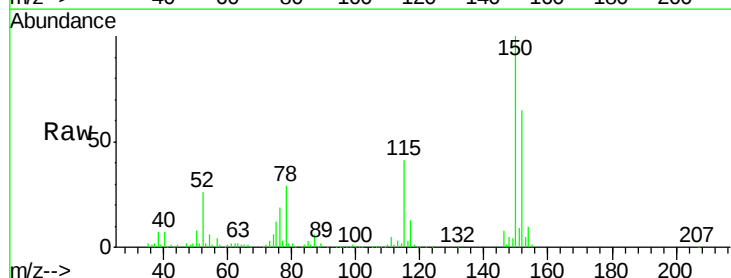
Instrument :
MSVOA_F
ClientSampleId :
VF0207SBS01

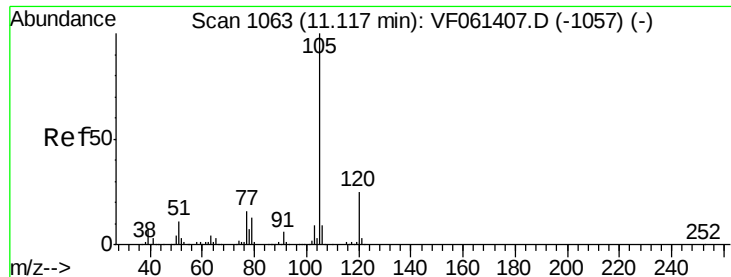
Tot Ion:173 Resp: 22581
Ion Ratio Lower Upper
173 100
175 51.8 24.1 72.4
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

Tgt Ion:152 Resp: 149812
Ion Ratio Lower Upper
152 100
115 62.5 30.0 90.0
150 152.9 0.0 321.4





#73

Isopropylbenzene

Concen: 18.405 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

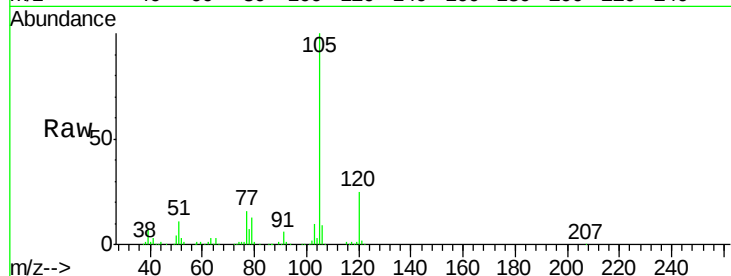
VF0207SBS01

Tot Ion:105 Resp: 224256

Ion Ratio Lower Upper

105 100

120 25.2 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

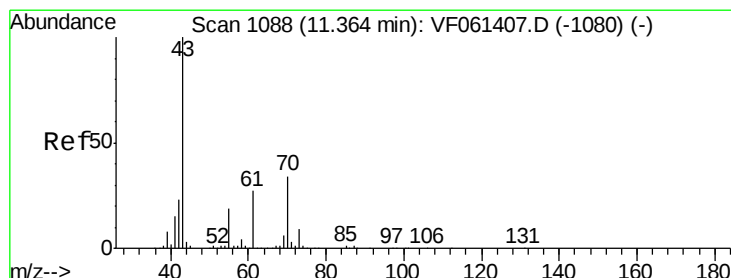
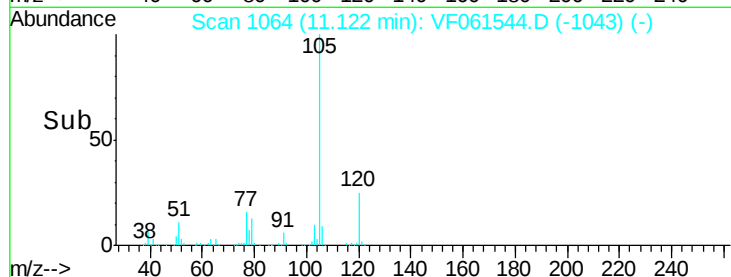
11.12

100000

50000

0

Time--> 11.00 11.10 11.20



#74

N-ethyl acetate

Concen: 20.953 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Tgt Ion: 43 Resp: 60370

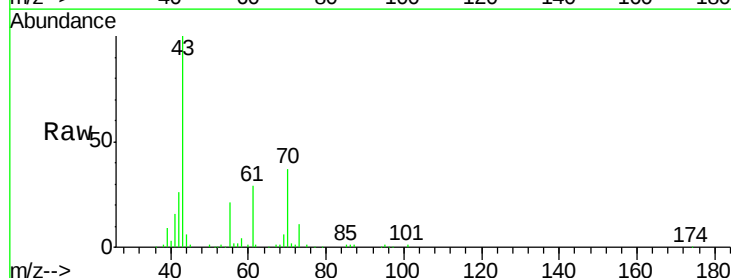
Ion Ratio Lower Upper

43 100

70 37.3 27.6 41.4

55 20.5 15.4 23.2

61 29.2 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

11.37

50000

40000

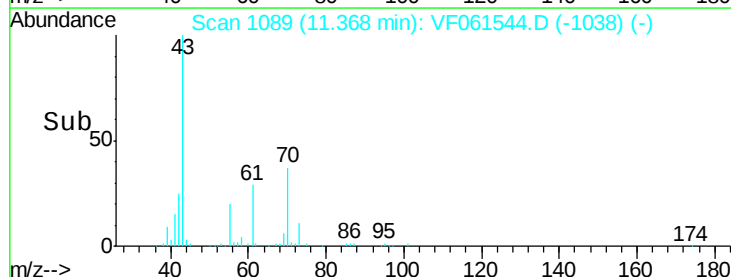
30000

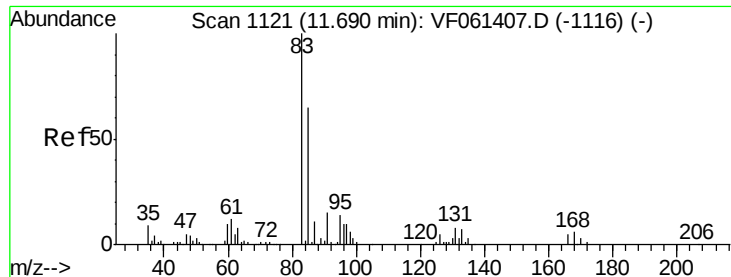
20000

10000

0

Time--> 11.20 11.30 11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 19.423 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VF0207SBS01

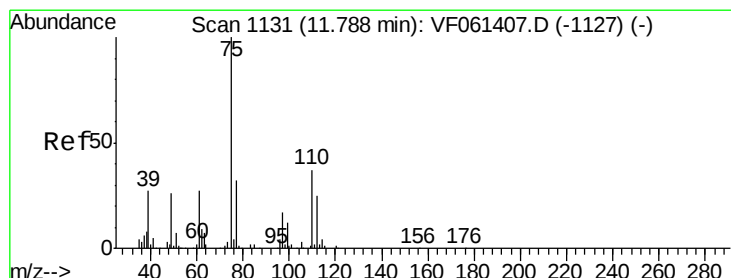
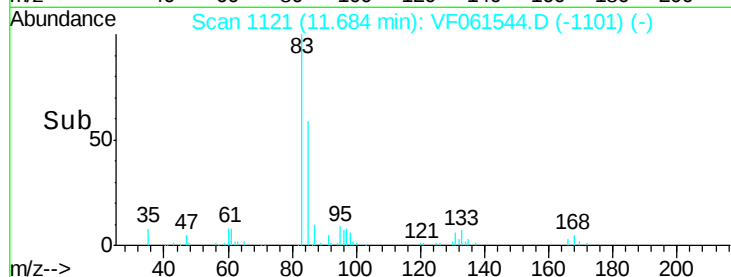
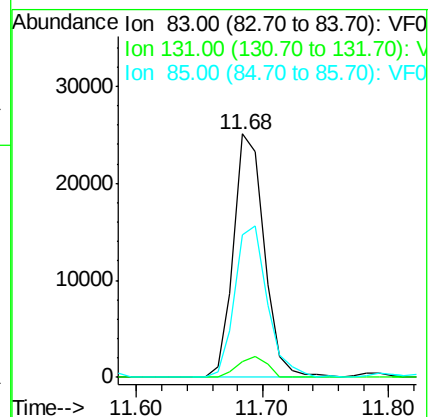
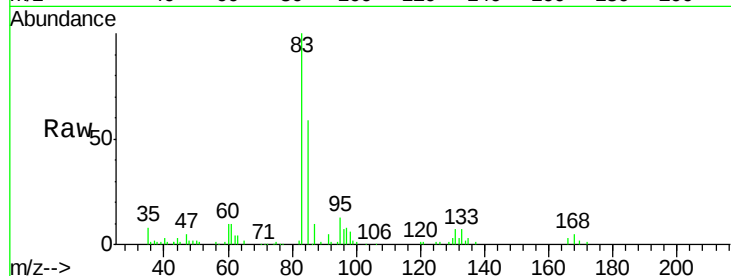
Tot Ion: 83 Resp: 42160

Ion Ratio Lower Upper

83 100

131 6.7 4.0 12.2

85 58.7 32.7 98.1



#76

1,2,3-Trichloropropane

Concen: 18.429 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF061544.D

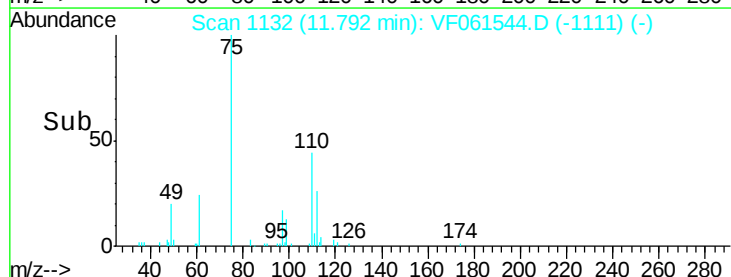
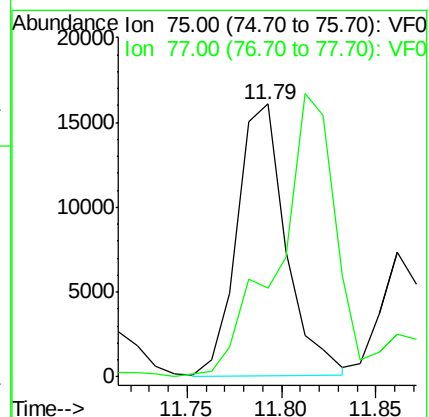
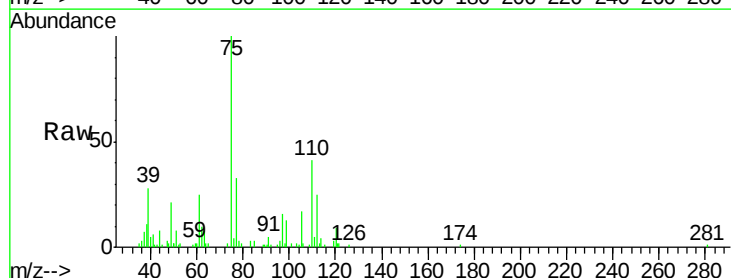
Acq: 7 Feb 2019 14:49

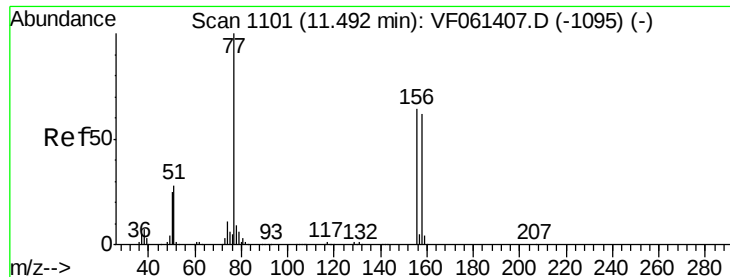
Tgt Ion: 75 Resp: 28743

Ion Ratio Lower Upper

75 100

77 32.5 16.1 48.3





#77

Bromobenzene

Concen: 18.739 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.01 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VF0207SBS01

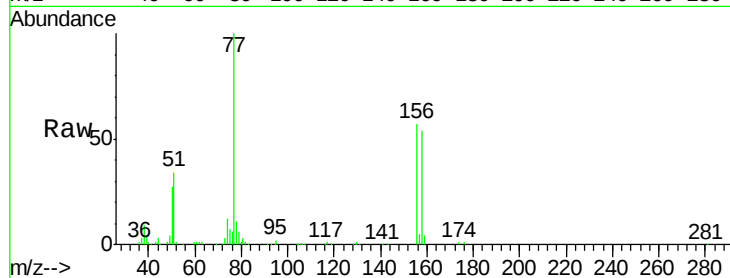
Tot Ion:156 Resp: 48219

Ion Ratio Lower Upper

156 100

77 175.4 78.3 234.9

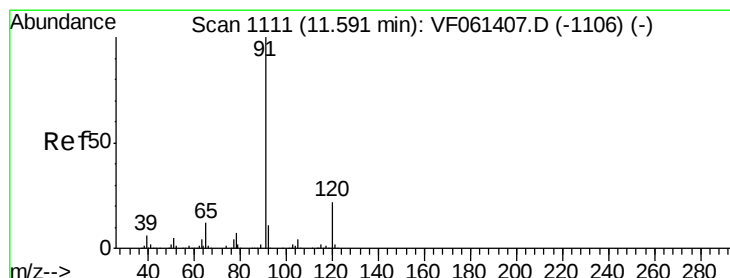
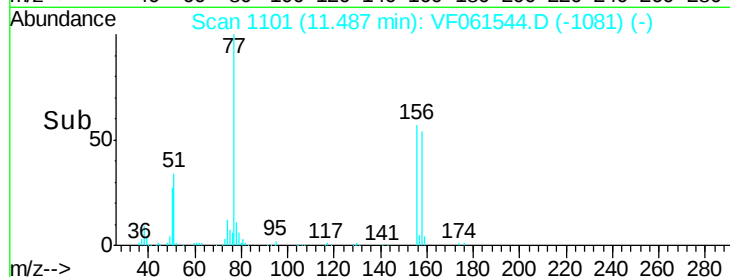
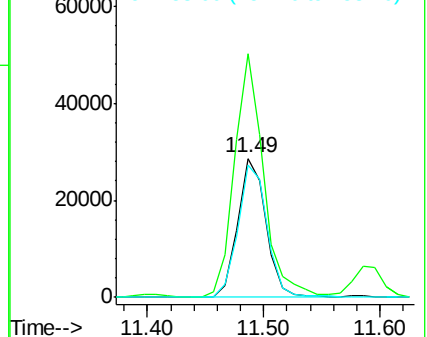
158 95.4 48.9 146.7



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: 17.467 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VF061544.D

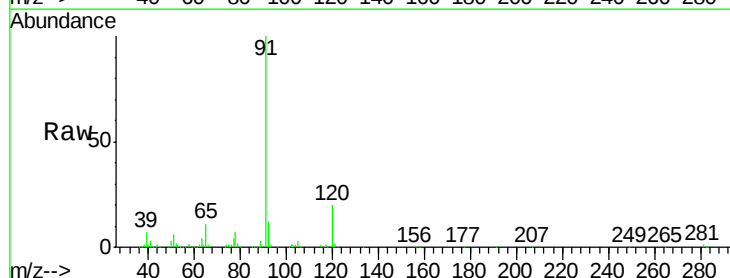
Acq: 7 Feb 2019 14:49

Tgt Ion: 91 Resp: 278535

Ion Ratio Lower Upper

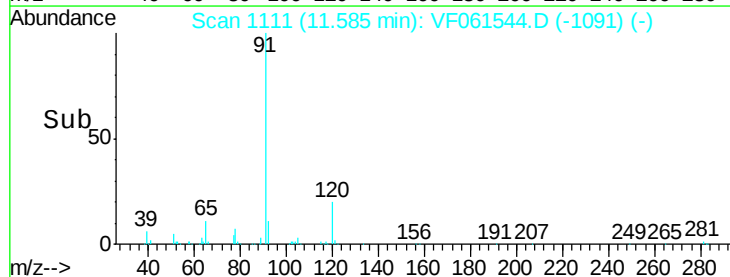
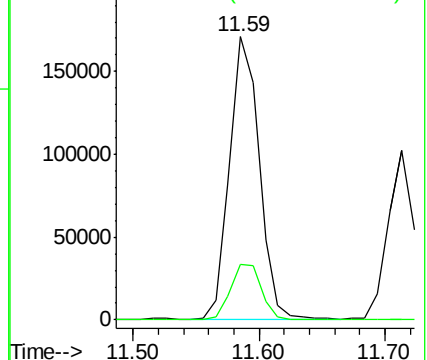
91 100

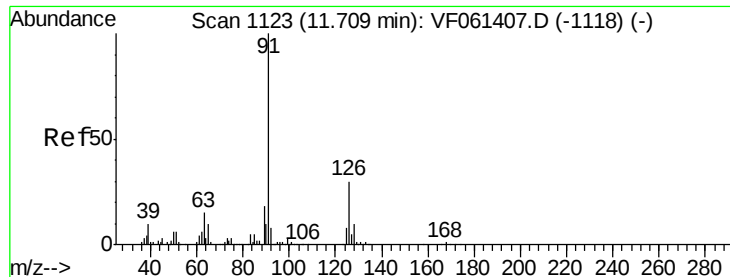
120 19.6 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

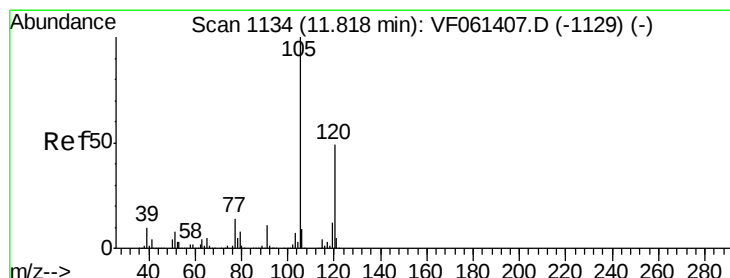
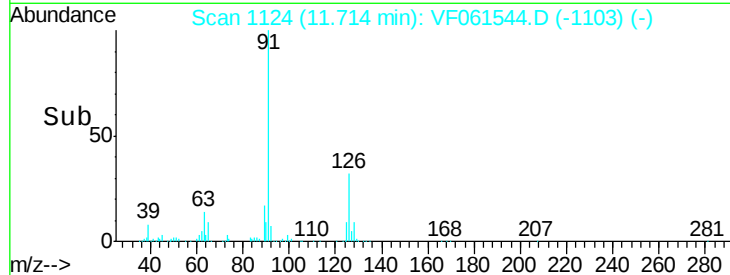
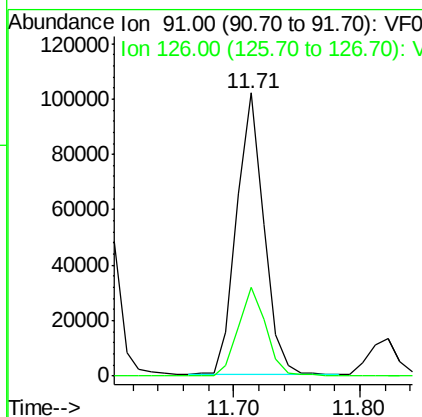
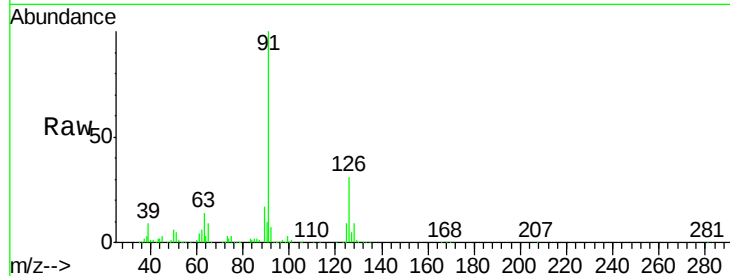




#79
 2-Chlorotoluene
 Concen: 17.947 ug/l
 RT: 11.71 min Scan# 1124
 Delta R.T. 0.00 min
 Lab File: VF061544.D
 Acq: 7 Feb 2019 14:49

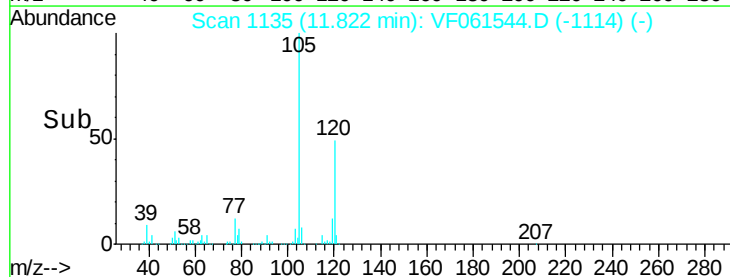
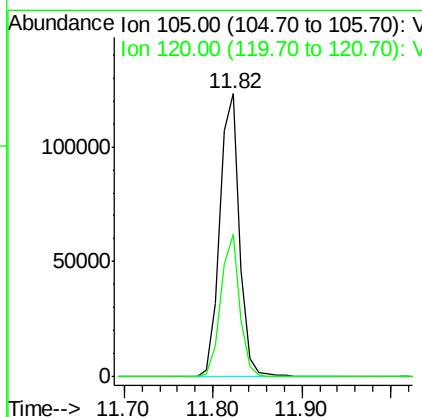
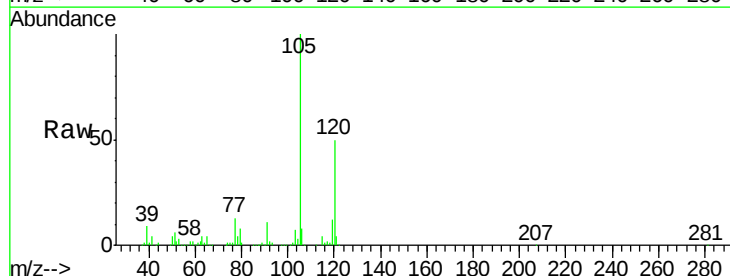
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0207SBS01

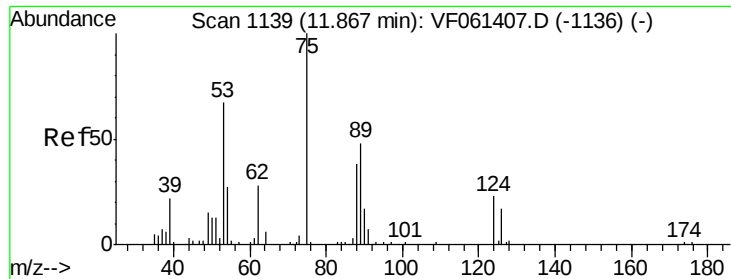
Tot Ion: 91 Resp: 151728
 Ion Ratio Lower Upper
 91 100
 126 31.5 15.0 45.1



#80
 1,3,5-Trimethylbenzene
 Concen: 19.553 ug/l
 RT: 11.82 min Scan# 1135
 Delta R.T. 0.00 min
 Lab File: VF061544.D
 Acq: 7 Feb 2019 14:49

Tgt Ion: 105 Resp: 192268
 Ion Ratio Lower Upper
 105 100
 120 50.2 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 24.648 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

ClientSampled :

VF0207SBS01

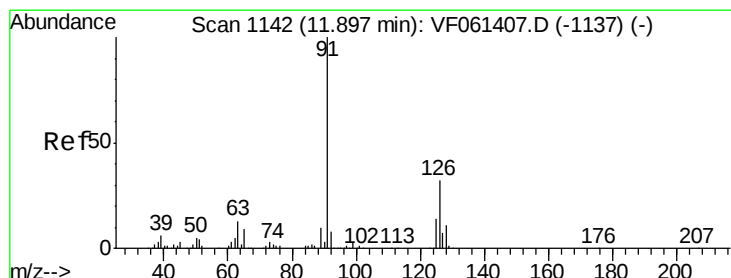
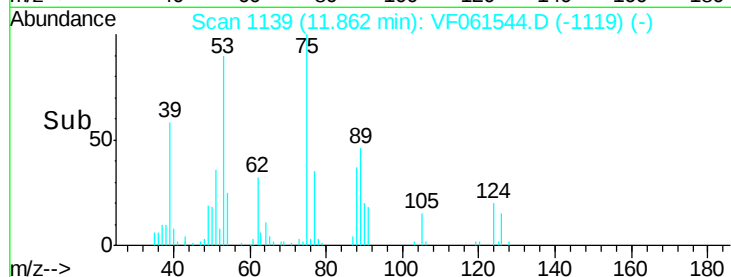
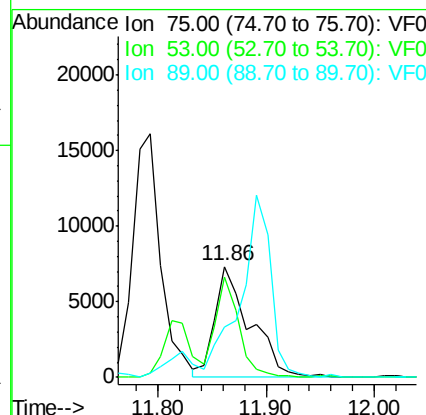
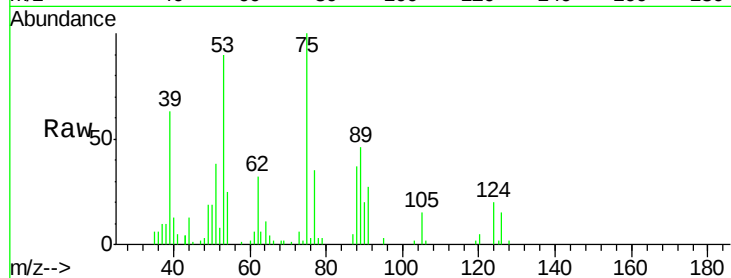
Tot Ion: 75 Resp: 16712

Ion Ratio Lower Upper

75 100

53 90.1 57.8 86.6#

89 45.6 40.7 61.1



#82

4-Chlorotoluene

Concen: 18.354 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF061544.D

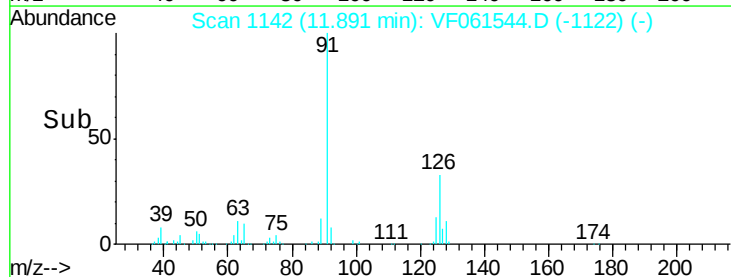
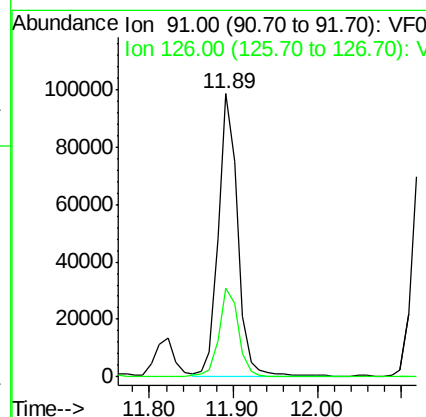
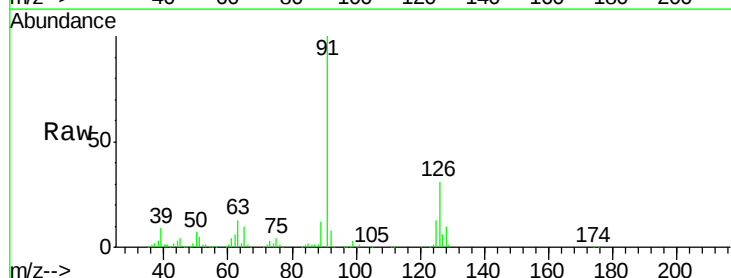
Acq: 7 Feb 2019 14:49

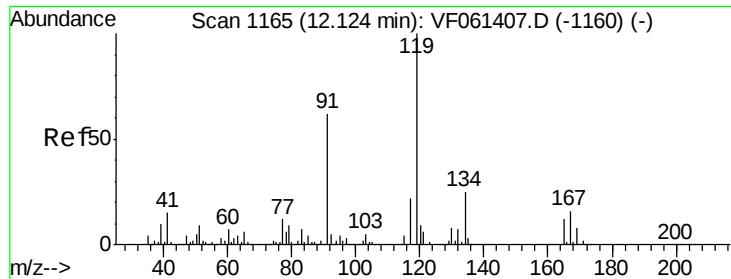
Tgt Ion: 91 Resp: 156581

Ion Ratio Lower Upper

91 100

126 31.4 16.0 47.9

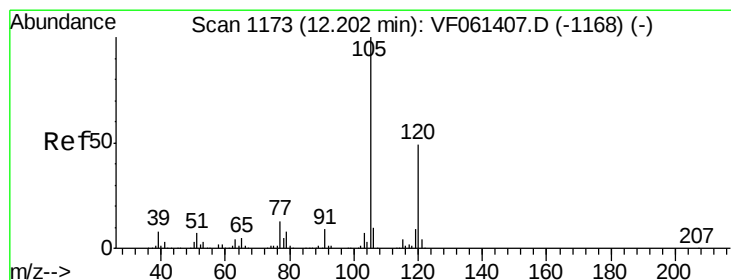
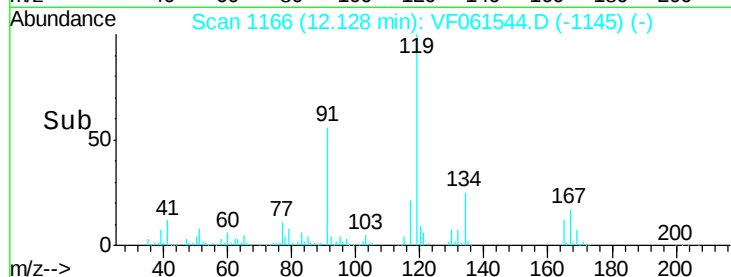
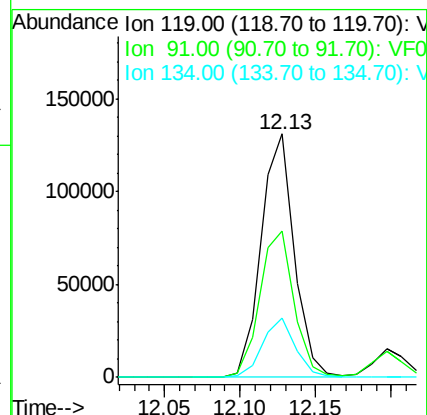
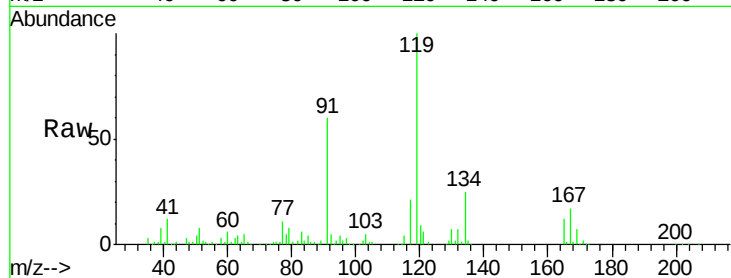




#83
tert-Butylbenzene
Concen: 19.733 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. 0.00 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

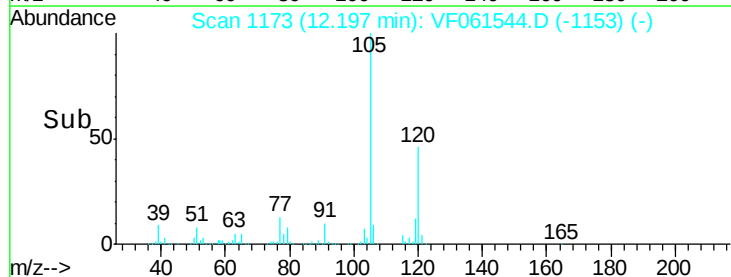
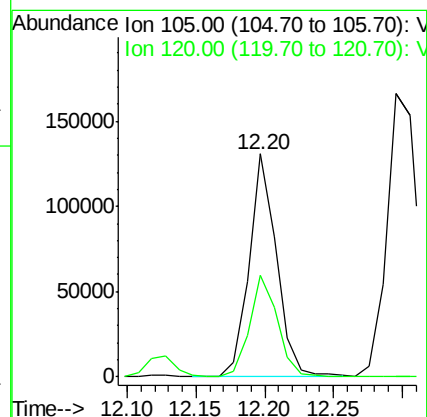
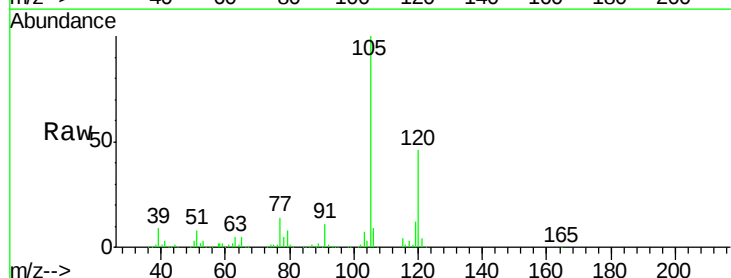
Instrument :
MSVOA_F
ClientSampleId :
VF0207SBS01

Tot Ion:119 Resp: 200834
Ion Ratio Lower Upper
119 100
91 60.2 31.3 93.8
134 24.6 12.4 37.0



#84
1,2,4-Trimethylbenzene
Concen: 17.884 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. -0.01 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

Tgt Ion:105 Resp: 181143
Ion Ratio Lower Upper
105 100
120 45.6 24.9 74.6

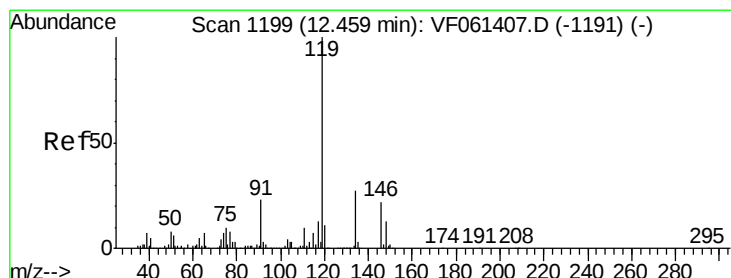
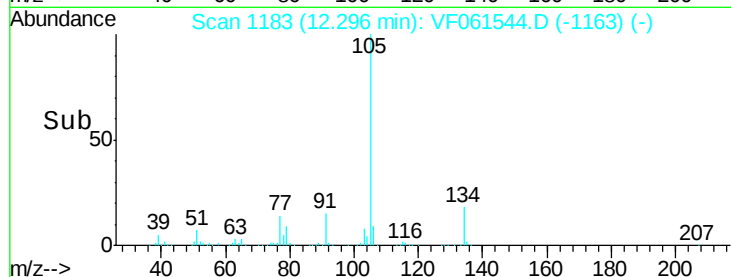
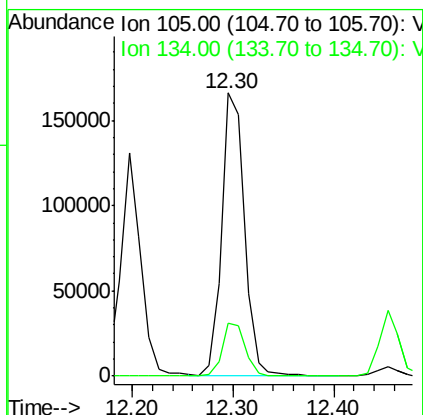
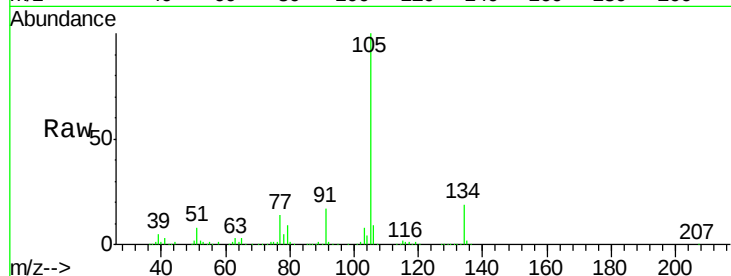




#85
 sec-Butylbenzene
 Concen: 18.906 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: VF061544.D
 Acq: 7 Feb 2019 14:49

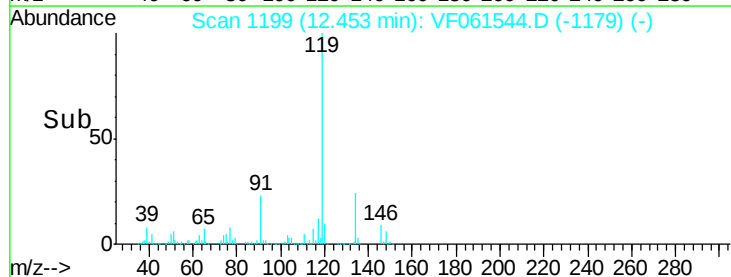
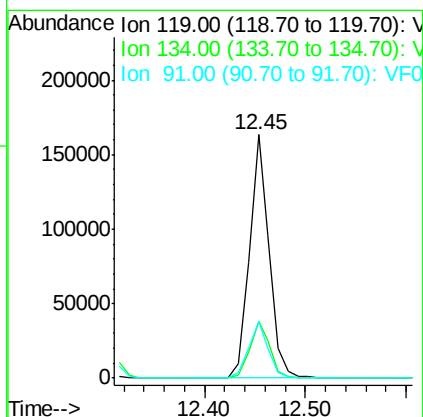
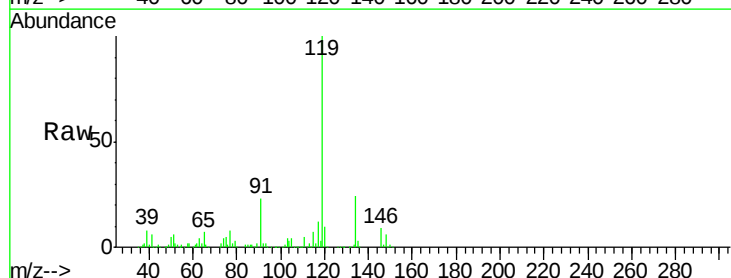
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0207SBS01

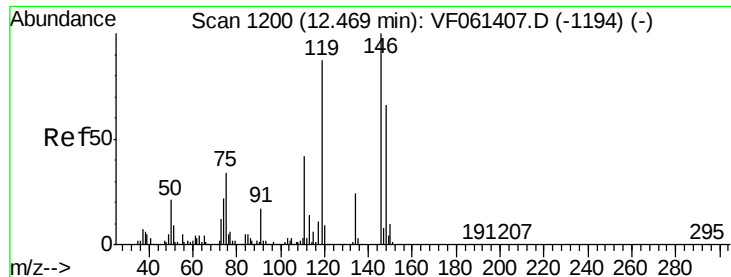
Tot Ion:105 Resp: 261297
 Ion Ratio Lower Upper
 105 100
 134 18.7 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 19.491 ug/l
 RT: 12.45 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: VF061544.D
 Acq: 7 Feb 2019 14:49

Tgt Ion:119 Resp: 221145
 Ion Ratio Lower Upper
 119 100
 134 23.5 13.4 40.2
 91 23.2 11.4 34.2

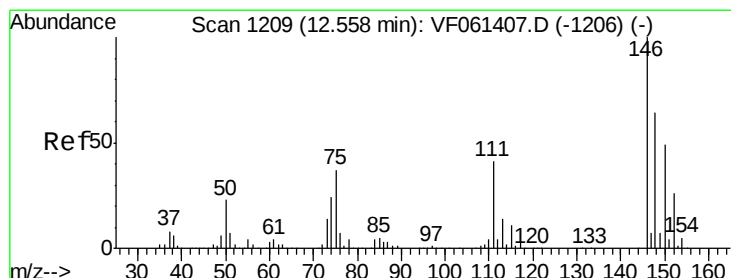
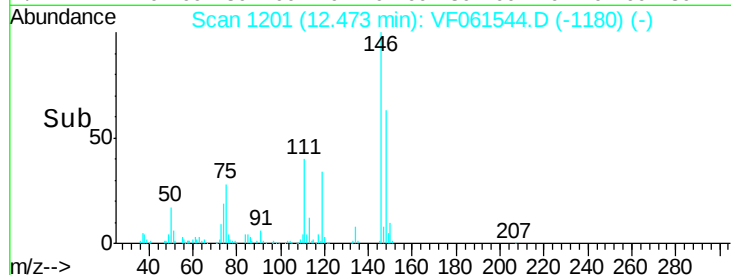
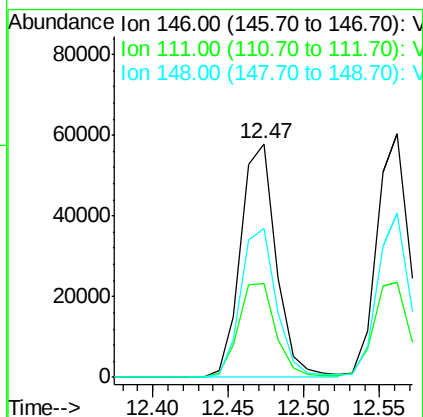
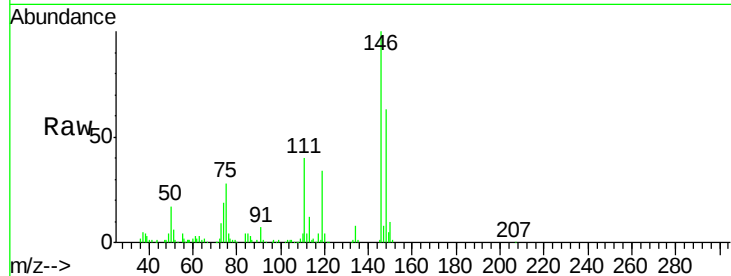




#87
 1,3-Dichlorobenzene
 Concen: 17.564 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VF061544.D
 Acq: 7 Feb 2019 14:49

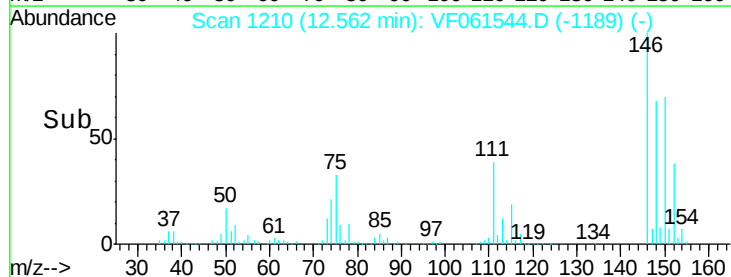
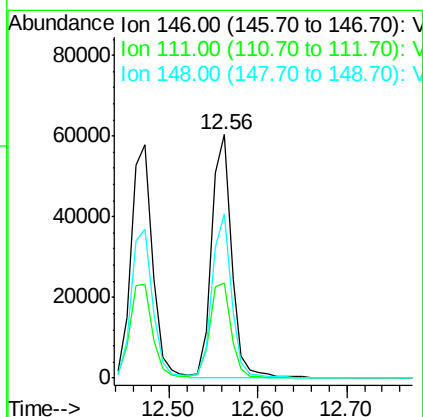
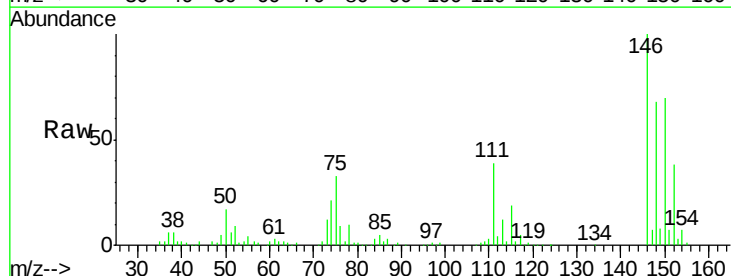
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0207SBS01

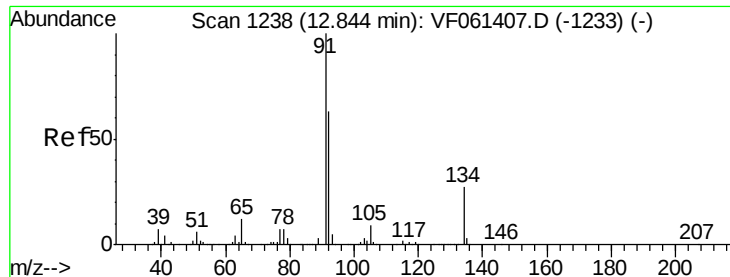
Tot Ion:146 Resp: 95194
 Ion Ratio Lower Upper
 146 100
 111 40.2 21.1 63.4
 148 63.4 32.9 98.6



#88
 1,4-Dichlorobenzene
 Concen: 19.497 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: VF061544.D
 Acq: 7 Feb 2019 14:49

Tgt Ion:146 Resp: 94807
 Ion Ratio Lower Upper
 146 100
 111 39.3 20.8 62.2
 148 67.6 32.1 96.5





#89

n-Butylbenzene

Concen: 19.796 ug/l

RT: 12.84 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VF0207SBS01

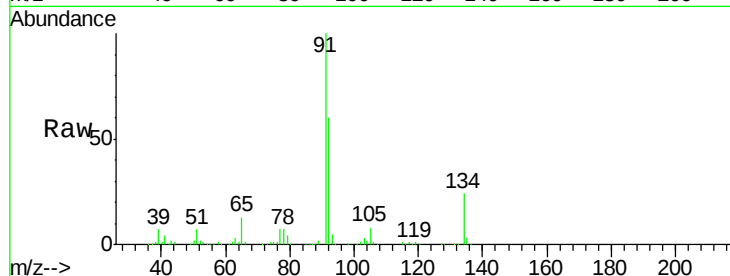
Tot Ion: 91 Resp: 231629

Ion Ratio Lower Upper

91 100

92 59.6 31.6 94.7

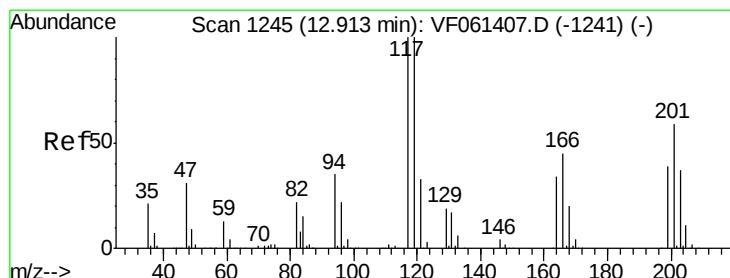
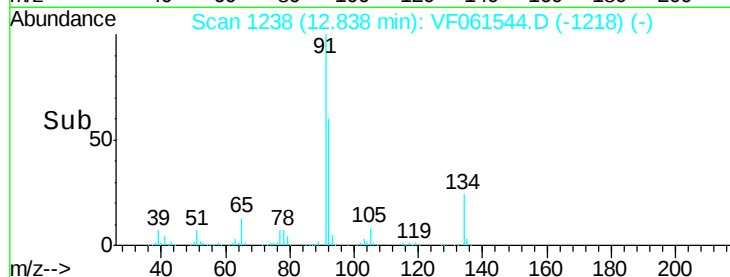
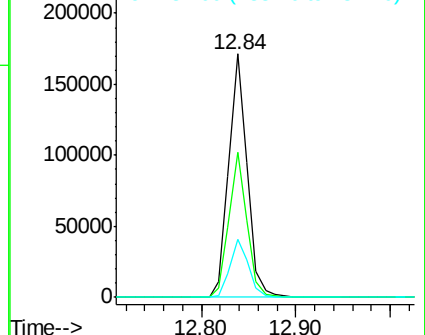
134 23.7 13.6 40.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.877 ug/l

RT: 12.91 min Scan# 1245

Delta R.T. -0.01 min

Lab File: VF061544.D

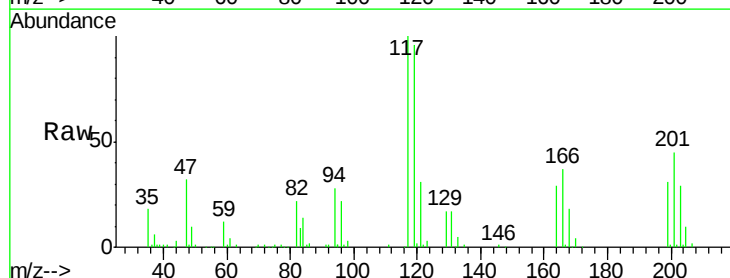
Acq: 7 Feb 2019 14:49

Tgt Ion: 117 Resp: 55834

Ion Ratio Lower Upper

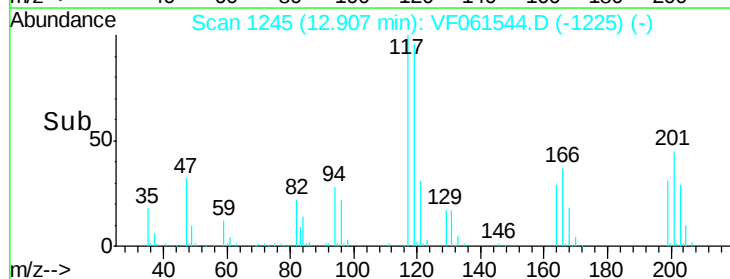
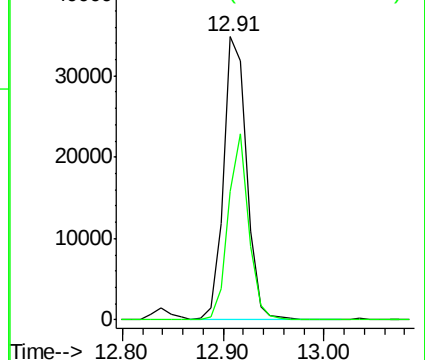
117 100

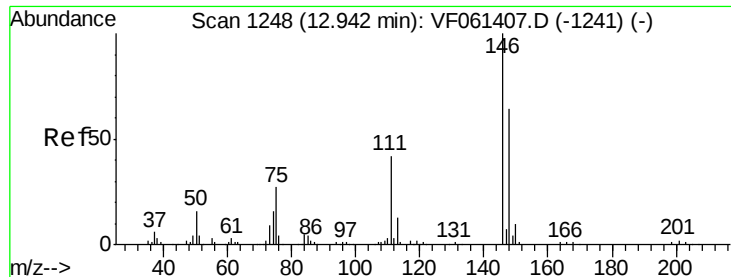
201 46.6 29.3 87.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 18.557 ug/l

RT: 12.94 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VF0207SBS01

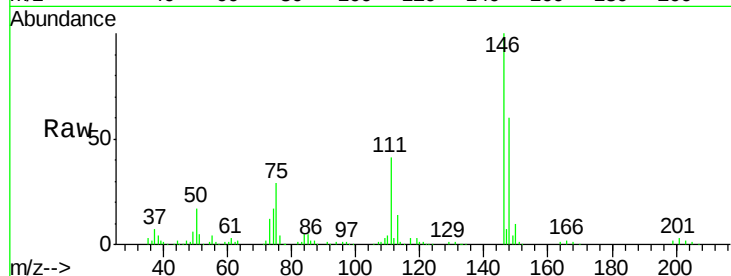
Tot Ion:146 Resp: 89327

Ion Ratio Lower Upper

146 100

111 41.5 21.1 63.3

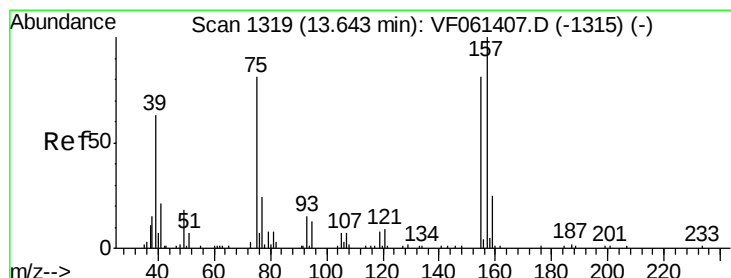
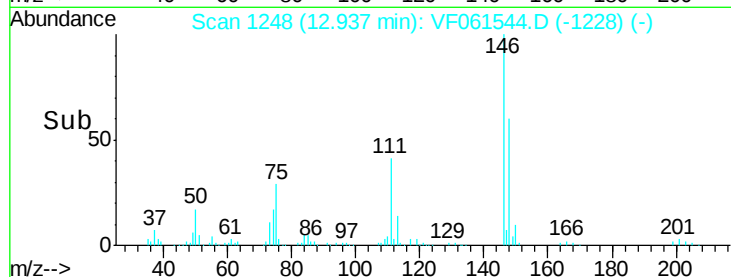
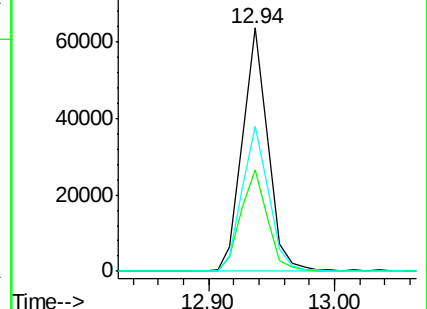
148 59.7 31.9 95.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.704 ug/l

RT: 13.64 min Scan# 1319

Delta R.T. -0.01 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

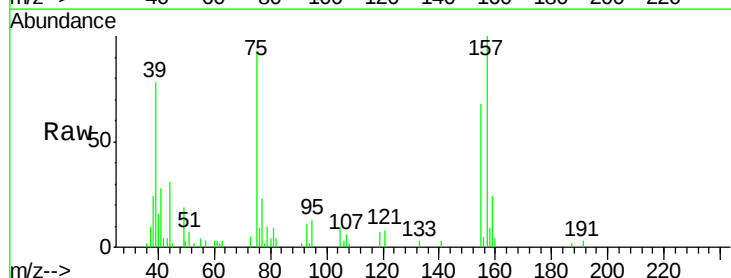
Tgt Ion: 75 Resp: 6816

Ion Ratio Lower Upper

75 100

155 73.9 49.7 149.1

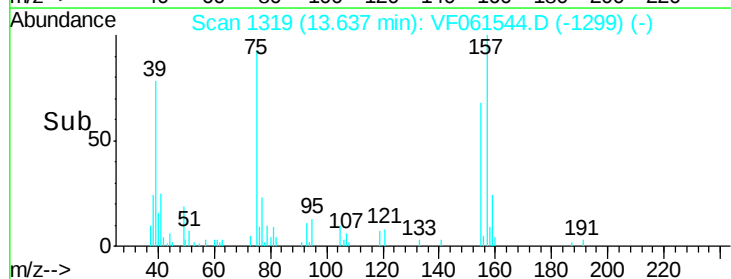
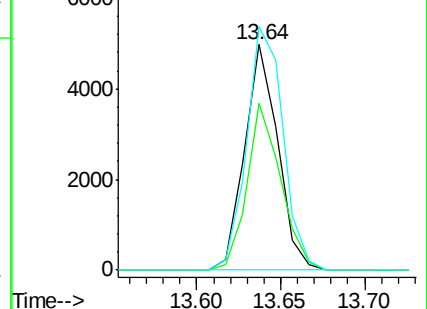
157 108.0 61.4 184.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

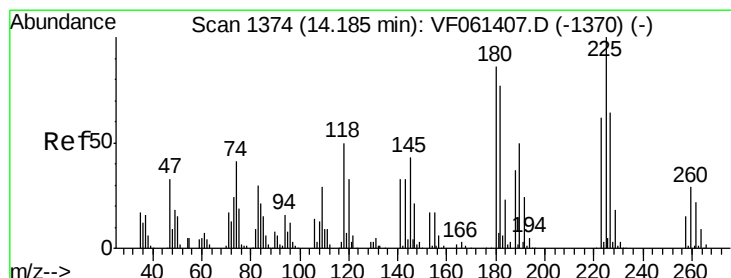
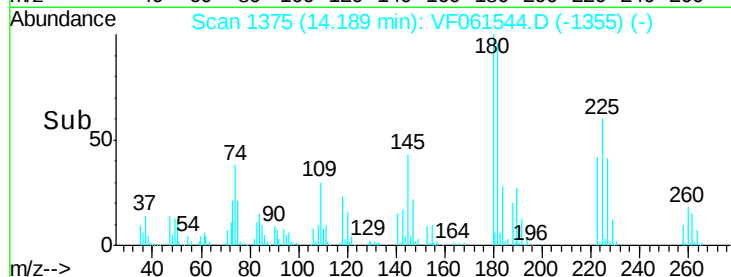
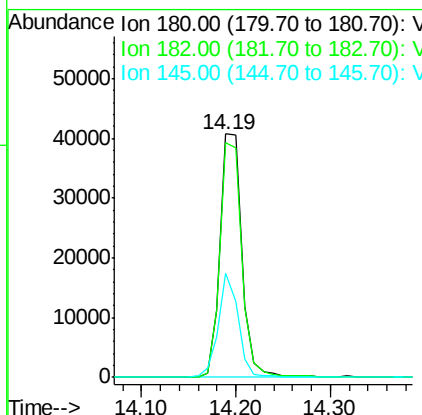
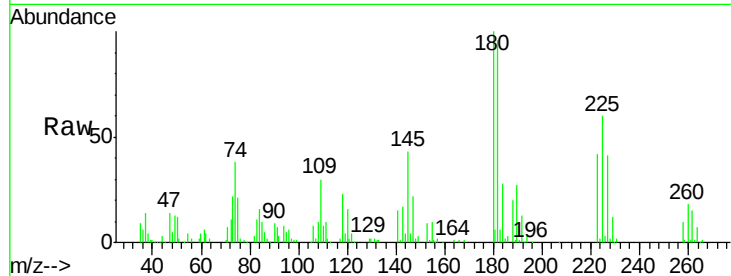




#93
 1,2,4-Trichlorobenzene
 Concen: 19.434 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF061544.D
 Acq: 7 Feb 2019 14:49

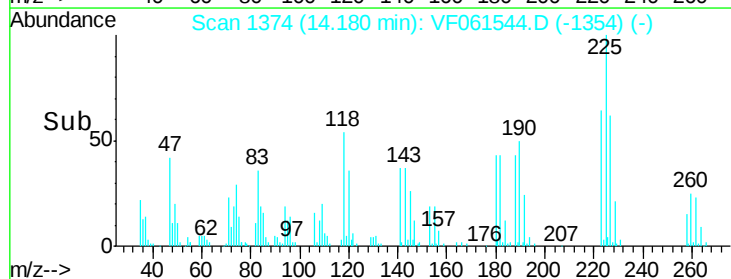
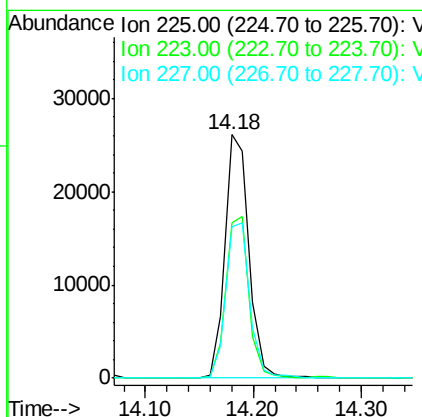
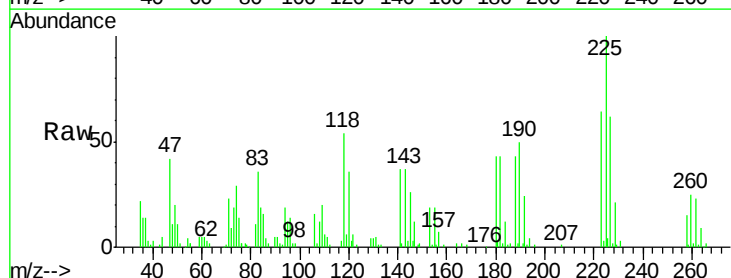
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0207SBS01

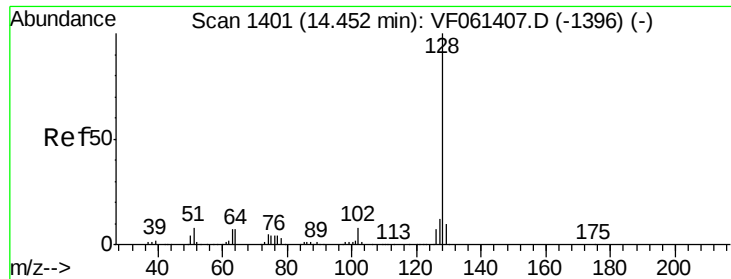
Tot Ion:180 Resp: 65535
 Ion Ratio Lower Upper
 180 100
 182 96.4 48.5 145.6
 145 42.7 17.5 52.6



#94
 Hexachlorobutadiene
 Concen: 19.275 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VF061544.D
 Acq: 7 Feb 2019 14:49

Tgt Ion:225 Resp: 40333
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.1 93.2
 227 62.1 32.2 96.6

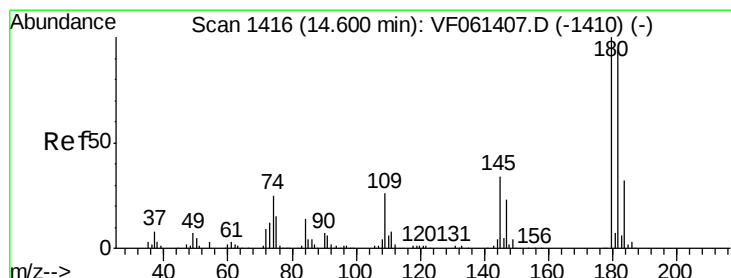
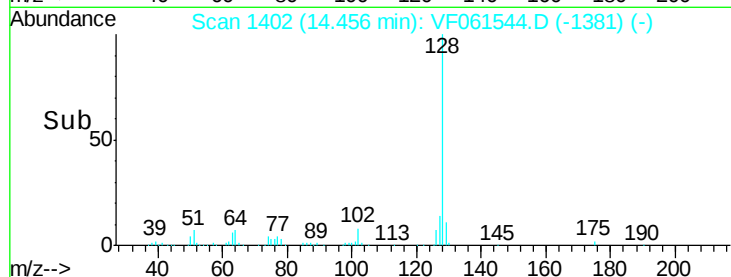
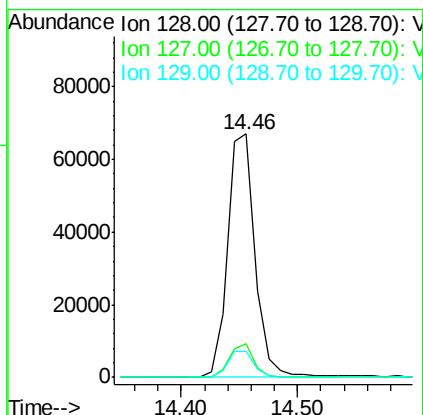
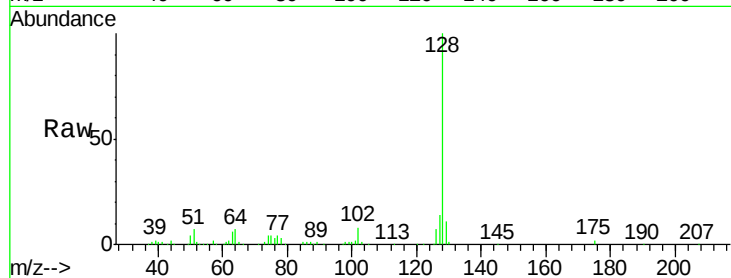




#95
Naphthalene
Concen: 17.020 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. 0.00 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

Instrument :
MSVOA_F
ClientSampleId :
VF0207SBS01

Tot Ion:128 Resp: 109044
Ion Ratio Lower Upper
128 100
127 13.9 9.5 14.3
129 10.9 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 18.023 ug/l
RT: 14.59 min Scan# 1416
Delta R.T. -0.01 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

Tgt Ion:180 Resp: 56262
Ion Ratio Lower Upper
180 100
182 92.8 47.0 141.2
145 36.1 17.1 51.2

