

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021519\
 Data File : VF061652.D
 Acq On : 15 Feb 2019 13:19
 Operator : VA/AP
 Sample : VF0215SBSD01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0215SBSD01

Quant Time: Feb 16 04:04:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.90	168	302225	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.62	114	397527	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.80	117	320412	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	159193	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.87	65	79177	35.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.46%	
35) Dibromofluoromethane	4.14	113	134165	45.45	ug/l	0.02
Spiked Amount	50.000		Recovery	=	90.90%	
50) Toluene-d8	7.57	98	429973	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
62) 4-Bromofluorobenzene	11.43	95	152365	44.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	78490	22.615	ug/l	90
3) Chloromethane	1.09	50	73456	20.172	ug/l	91
4) Vinyl Chloride	1.14	62	71273	21.054	ug/l	94
5) Bromomethane	1.33	94	49849	21.395	ug/l	95
6) Chloroethane	1.40	64	32202	19.302	ug/l	93
7) Trichlorofluoromethane	1.49	101	93011	22.780	ug/l	99
8) Diethyl Ether	1.64	74	12285	11.939	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.84	101	63396	21.523	ug/l	88
10) Methyl Iodide	1.91	142	86481	15.370	ug/l	98
11) Tert butyl alcohol	2.58	59	5867	45.742	ug/l #	73
12) 1,1-Dichloroethene	1.80	96	58519	22.596	ug/l	96
13) Acrolein	2.02	56	10350	64.204	ug/l	98
14) Allyl chloride	2.11	41	74831	23.547	ug/l	94
15) Acrylonitrile	2.95	53	21959	48.266	ug/l	88
16) Acetone	2.25	43	27608	58.060	ug/l	96
17) Carbon Disulfide	1.81	76	180682	22.195	ug/l	100
18) Methyl Acetate	2.35	43	13247	12.366	ug/l	98
19) Methyl tert-butyl Ether	2.44	73	53743	12.142	ug/l	99
20) Methylene Chloride	2.20	84	44346m	15.674	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	53024	18.834	ug/l	96
22) Diisopropyl ether	2.82	45	121159	15.883	ug/l	94
23) Vinyl Acetate	3.21	43	201006	53.948	ug/l	98
24) 1,1-Dichloroethane	2.89	63	88044	19.072	ug/l	100
25) 2-Butanone	4.36	43	64258	61.866	ug/l	91
26) 2,2-Dichloropropane	3.62	77	42386	21.676	ug/l	99
27) cis-1,2-Dichloroethene	3.50	96	64402	17.428	ug/l	93
28) Bromochloromethane	3.74	49	32054	14.471	ug/l	98
29) Tetrahydrofuran	4.10	42	21089	44.672	ug/l	97
30) Chloroform	3.88	83	91453	17.420	ug/l	99
31) Cyclohexane	3.71	56	105874	21.185	ug/l	98
32) 1,1,1-Trichloroethane	4.11	97	66992	19.480	ug/l	93
36) 1,1-Dichloropropene	4.31	75	89207	22.653	ug/l	96
37) Ethyl Acetate	4.13	43	20689	11.311	ug/l #	1
38) Carbon Tetrachloride	4.01	117	68892	25.335	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.48	83	114867	24.664	ug/l	96
40) Benzene	4.65	78	213770	20.753	ug/l	97
41) Methacrylonitrile	4.77	41	11267	12.045	ug/l	98
42) 1,2-Dichloroethane	4.97	62	38394	15.583	ug/l	96
43) Isopropyl Acetate	6.98	43	25076	11.582	ug/l #	96
44) Trichloroethene	5.53	130	73802	22.157	ug/l	96
45) 1,2-Dichloropropane	6.26	63	44285	17.787	ug/l	97
46) Dibromomethane	6.11	93	21094	13.760	ug/l	95
47) Bromodichloromethane	6.41	83	57054	16.995	ug/l	96
48) Methyl methacrylate	6.73	41	14889	11.427	ug/l	90
49) 1,4-Dioxane	6.73	88	3127	255.304	ug/l #	78
51) 4-Methyl-2-Pentanone	8.28	43	85237	55.098	ug/l	96
52) Toluene	7.65	92	126881	20.311	ug/l	97
53) t-1,3-Dichloropropene	8.30	75	43802	15.677	ug/l	96
54) cis-1,3-Dichloropropene	7.32	75	63021	16.934	ug/l	94
55) 1,1,2-Trichloroethane	8.51	97	26141	14.242	ug/l	98
56) Ethyl methacrylate	8.64	69	24943	12.206	ug/l	94
57) 1,3-Dichloropropane	8.87	76	42218	13.781	ug/l	90
58) 2-Chloroethyl Vinyl ether	7.31	63	21359	60.579	ug/l	98
59) 2-Hexanone	9.51	43	60909	56.167	ug/l	100
60) Dibromochloromethane	8.73	129	36579	14.318	ug/l	91
61) 1,2-Dibromoethane	9.01	107	28281	14.206	ug/l	87
64) Tetrachloroethene	8.17	164	60985	23.286	ug/l	95
65) Chlorobenzene	9.82	112	136043	20.924	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.96	131	49994	19.623	ug/l	95
67) Ethyl Benzene	9.92	91	247402	22.881	ug/l	100
68) m/p-Xylenes	10.15	106	187367	45.278	ug/l	97
69) o-Xylene	10.73	106	98701	22.353	ug/l	100
70) Styrene	10.80	104	124622	19.950	ug/l	97
71) Bromoform	10.79	173	18806	13.593	ug/l	99
73) Isopropylbenzene	11.14	105	310896	27.430	ug/l	99
74) N-amyl acetate	11.39	43	35814	13.165	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.71	83	28779	14.173	ug/l	91
76) 1,2,3-Trichloropropane	11.81	75	20533	14.873	ug/l	100
77) Bromobenzene	11.51	156	57902	20.679	ug/l	98
78) n-propylbenzene	11.61	91	354943	27.290	ug/l	99
79) 2-Chlorotoluene	11.73	91	176540	24.236	ug/l	95
80) 1,3,5-Trimethylbenzene	11.84	105	233993	25.831	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.88	75	12162	18.376	ug/l	88
82) 4-Chlorotoluene	11.91	91	173397	22.934	ug/l	95
83) tert-Butylbenzene	12.15	119	263498	26.262	ug/l	96
84) 1,2,4-Trimethylbenzene	12.21	105	220975	24.553	ug/l	95
85) sec-Butylbenzene	12.32	105	354380	27.313	ug/l	99
86) p-Isopropyltoluene	12.47	119	304764	27.988	ug/l	98
87) 1,3-Dichlorobenzene	12.49	146	121510	22.260	ug/l	96
88) 1,4-Dichlorobenzene	12.58	146	111470	21.233	ug/l	99
89) n-Butylbenzene	12.86	91	285864	27.801	ug/l	98
90) Hexachloroethane	12.93	117	65363	25.809	ug/l	95
91) 1,2-Dichlorobenzene	12.95	146	106066	20.428	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	3591	11.154	ug/l	71

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QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration

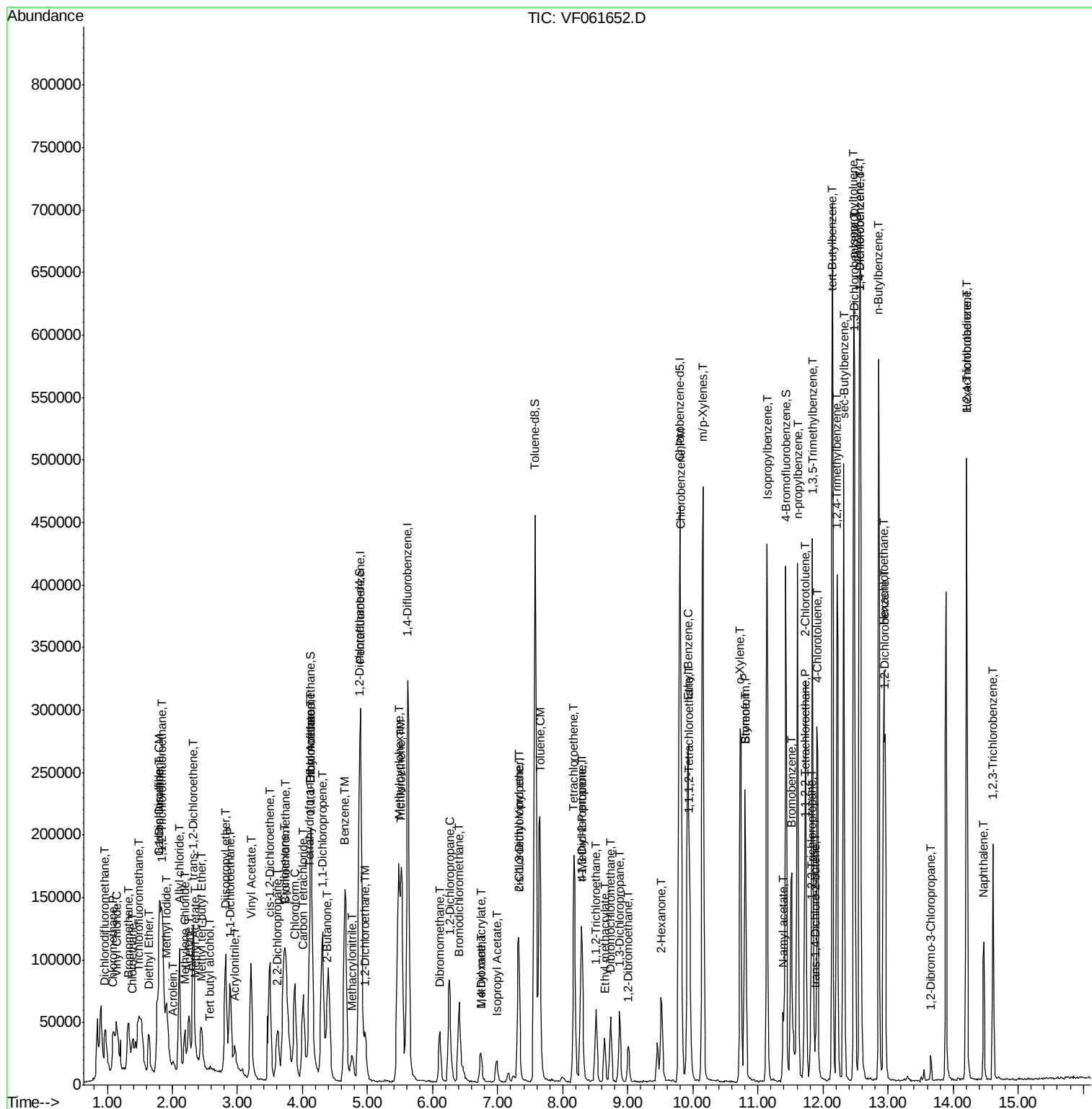
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	72422	19.460	ug/l	98
94) Hexachlorobutadiene	14.21	225	63221	27.506	ug/l	96
95) Naphthalene	14.47	128	88094	13.529	ug/l	98
96) 1,2,3-Trichlorobenzene	14.61	180	60536	17.722	ug/l	96

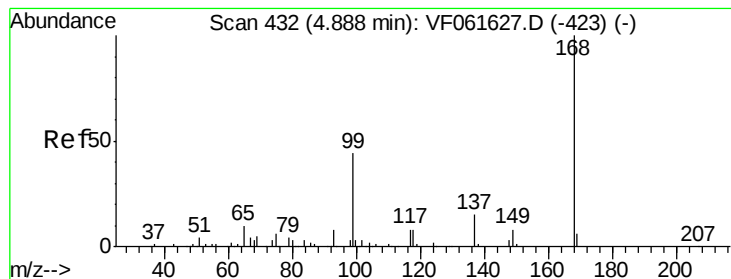
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.90 min Scan# 433

Delta R.T. 0.01 min

Lab File: VF061652.D

Acq: 15 Feb 2019 13:19

Instrument :

MSVOA_F

ClientSampleId :

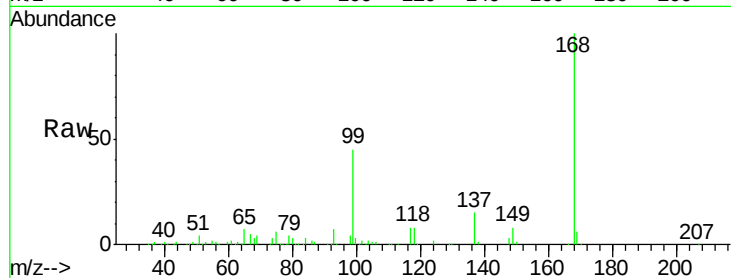
VF0215SBS01

Tot Ion:168 Resp: 302225

Ion Ratio Lower Upper

168 100

99 45.4 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.90

100000

80000

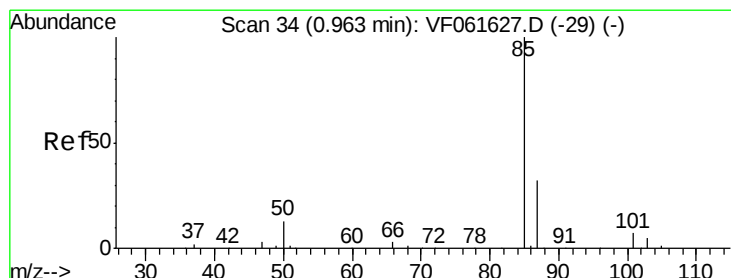
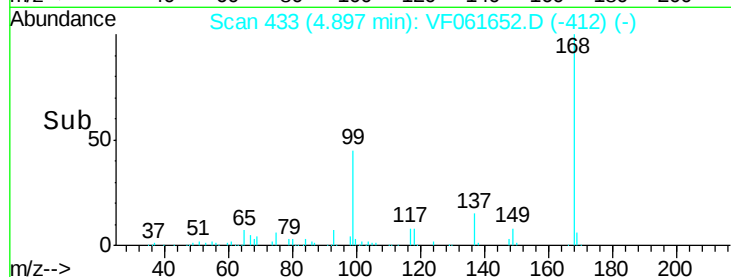
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 22.615 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.00 min

Lab File: VF061652.D

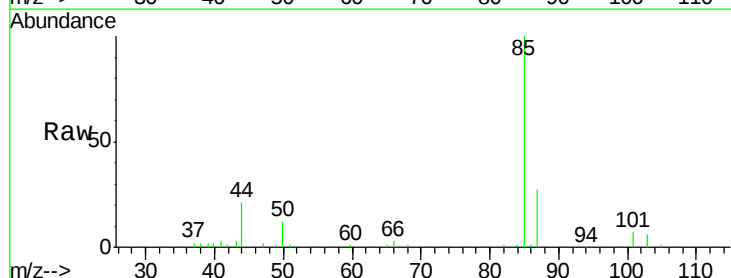
Acq: 15 Feb 2019 13:19

Tgt Ion: 85 Resp: 78490

Ion Ratio Lower Upper

85 100

87 26.7 16.1 48.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

25000

20000

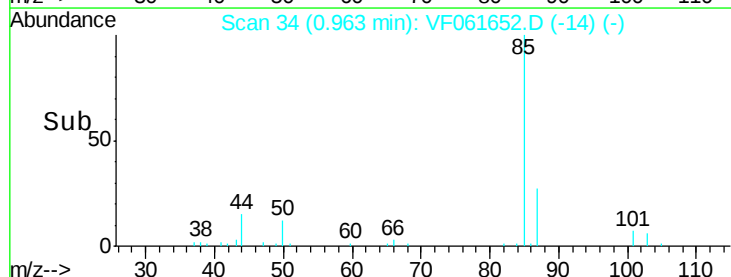
15000

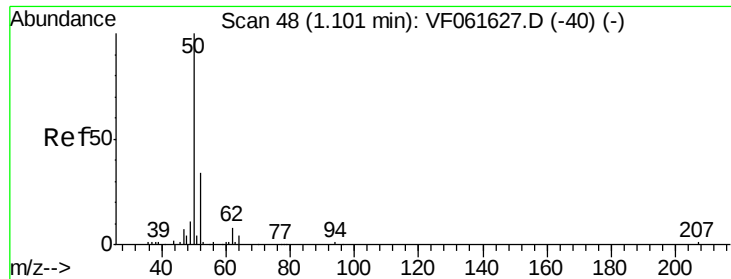
10000

5000

0

Time--> 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 20.172 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061652.D

Acq: 15 Feb 2019 13:19

Instrument :

MSVOA_F

ClientSampleId :

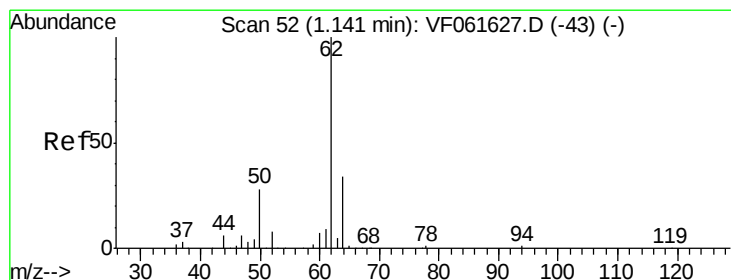
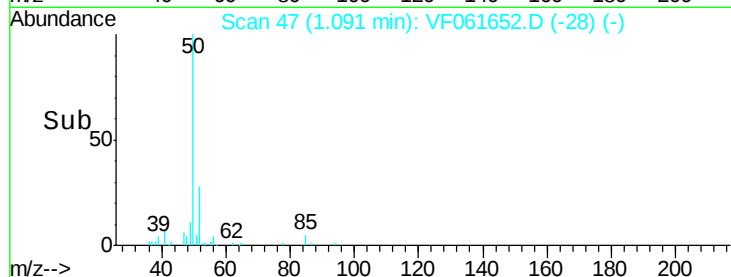
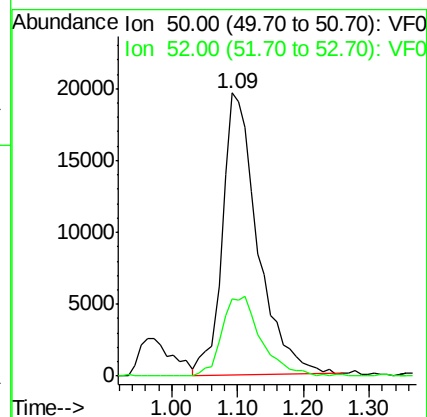
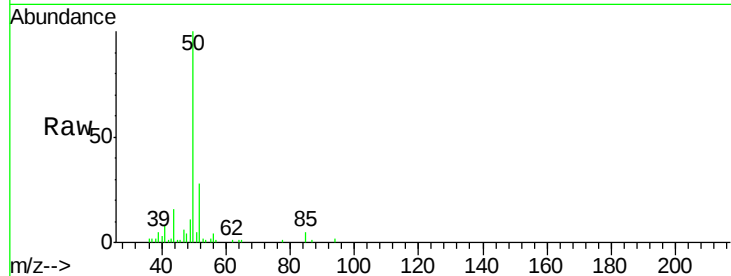
VF0215SBSD01

Tot Ion: 50 Resp: 73456

Ion Ratio Lower Upper

50 100

52 27.5 26.2 39.4



#4

Vinyl Chloride

Concen: 21.054 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.00 min

Lab File: VF061652.D

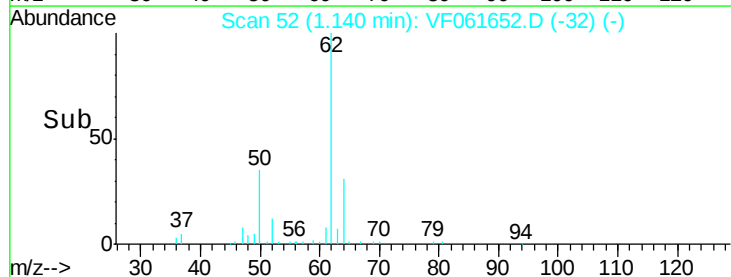
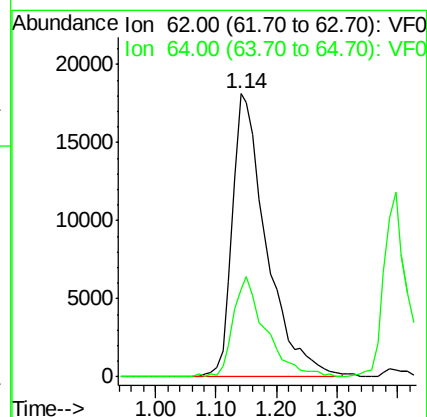
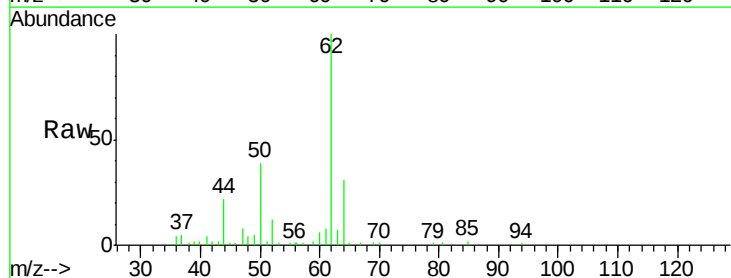
Acq: 15 Feb 2019 13:19

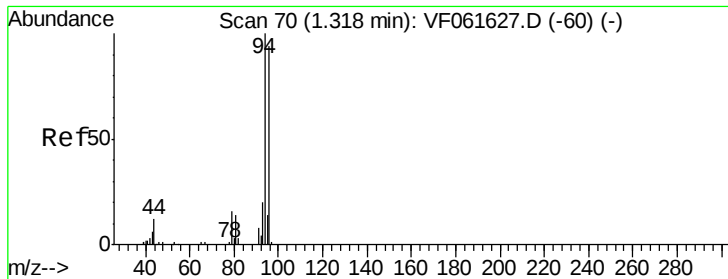
Tgt Ion: 62 Resp: 71273

Ion Ratio Lower Upper

62 100

64 30.8 27.5 41.3





#5

Bromomethane

Concen: 21.395 ug/l

RT: 1.33 min Scan# 71

Delta R.T. 0.01 min

Lab File: VF061652.D

Acq: 15 Feb 2019 13:19

Instrument :

MSVOA_F

ClientSampleId :

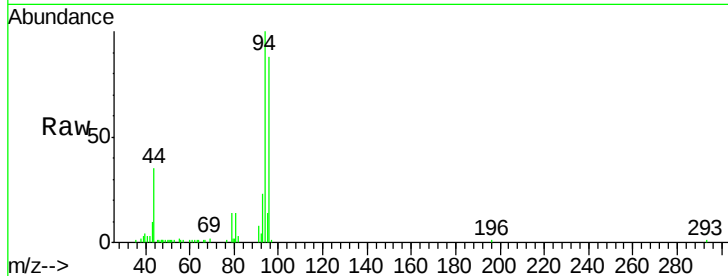
VF0215SBSD01

Tot Ion: 94 Resp: 49849

Ion Ratio Lower Upper

94 100

96 88.5 74.6 112.0



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

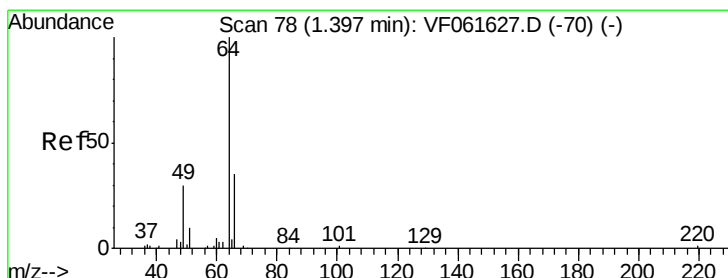
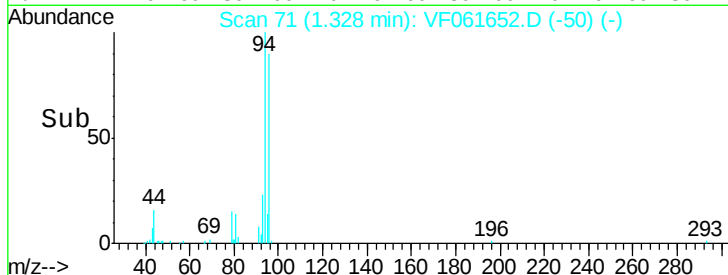
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 19.302 ug/l

RT: 1.40 min Scan# 78

Delta R.T. -0.00 min

Lab File: VF061652.D

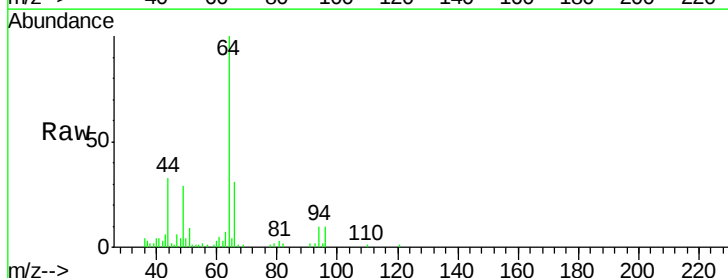
Acq: 15 Feb 2019 13:19

Tgt Ion: 64 Resp: 32202

Ion Ratio Lower Upper

64 100

66 30.8 27.9 41.9



Abundance Ion 64.00 (63.70 to 64.70): VF0

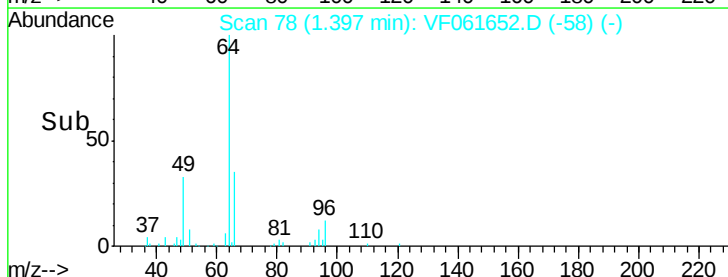
Ion 66.00 (65.70 to 66.70): VF0

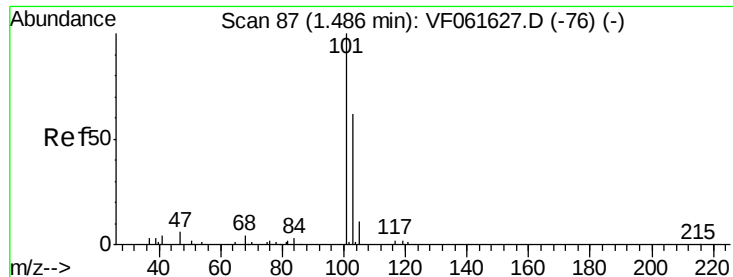
10000

5000

0

Time-->





#7

Trichlorofluoromethane

Concen: 22.780 ug/l

RT: 1.49 min Scan# 87

Delta R.T. -0.00 min

Lab File: VF061652.D

Acq: 15 Feb 2019 13:19

Instrument :

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ClientSampleId :

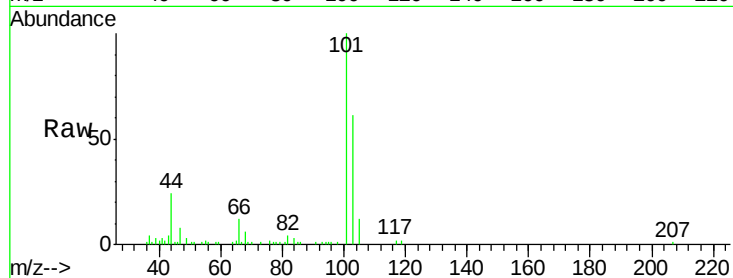
VF0215SBS01

Tot Ion:101 Resp: 93011

Ion Ratio Lower Upper

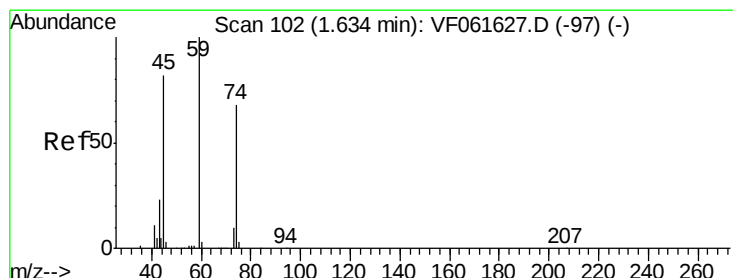
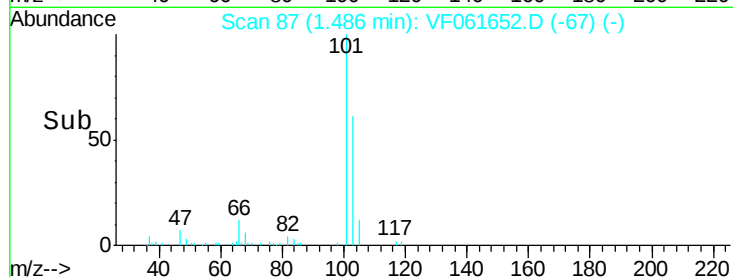
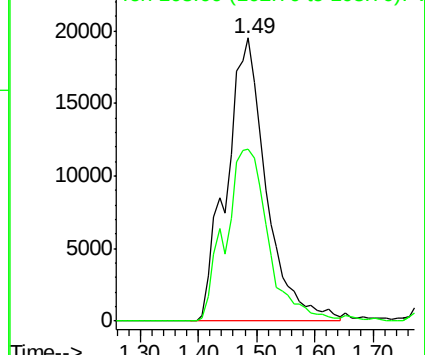
101 100

103 60.7 49.3 73.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 11.939 ug/l

RT: 1.64 min Scan# 103

Delta R.T. 0.01 min

Lab File: VF061652.D

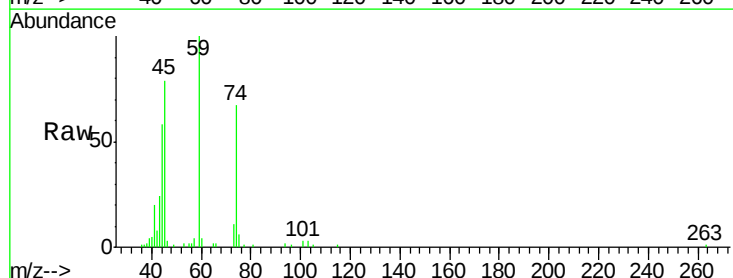
Acq: 15 Feb 2019 13:19

Tgt Ion: 74 Resp: 12285

Ion Ratio Lower Upper

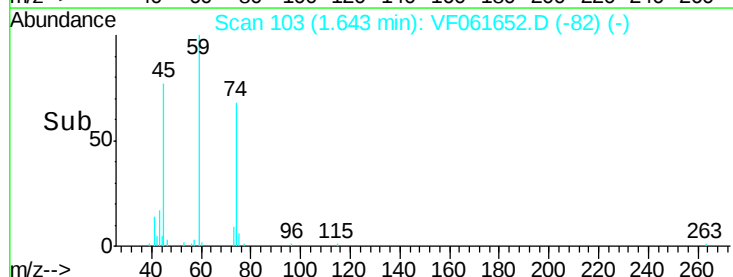
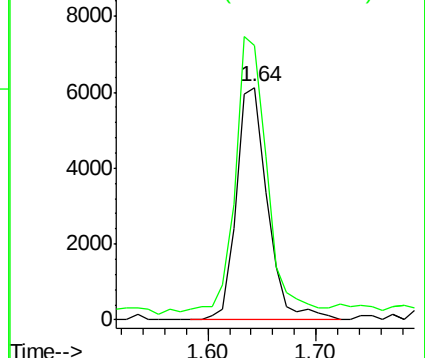
74 100

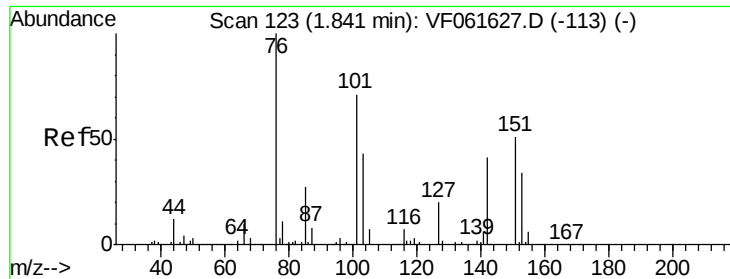
45 118.3 60.8 182.3



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: 21.523 ug/l

RT: 1.84 min Scan# 123

Delta R.T. -0.00 min

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Acq: 15 Feb 2019 13:19

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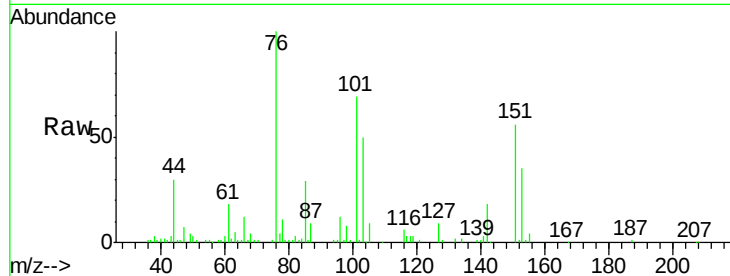
Tot Ion:101 Resp: 63396

Ion Ratio Lower Upper

101 100

85 42.4 29.8 44.6

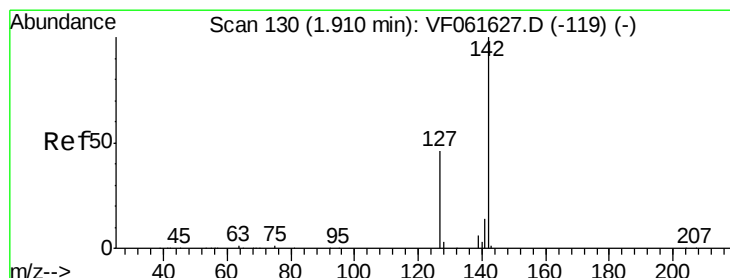
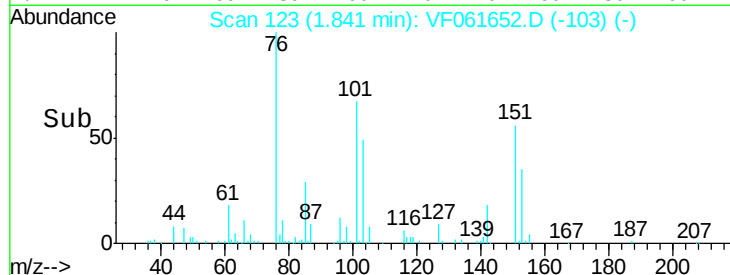
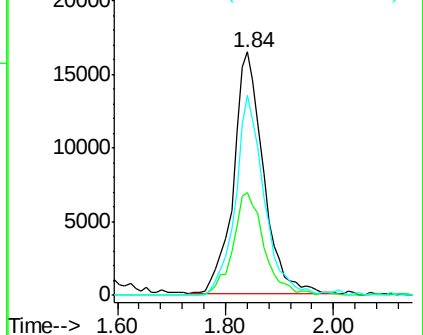
151 82.2 56.3 84.5



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: 15.370 ug/l

RT: 1.91 min Scan# 130

Delta R.T. -0.00 min

Lab File: VF061652.D

Acq: 15 Feb 2019 13:19

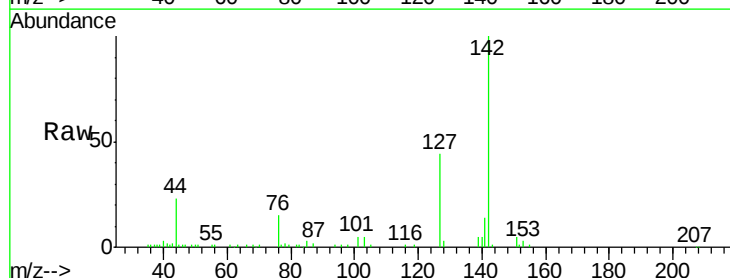
Tgt Ion:142 Resp: 86481

Ion Ratio Lower Upper

142 100

127 44.3 36.6 55.0

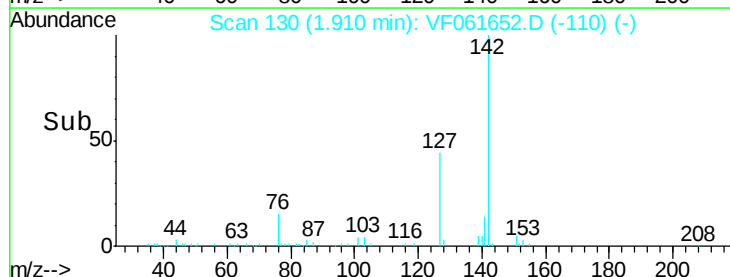
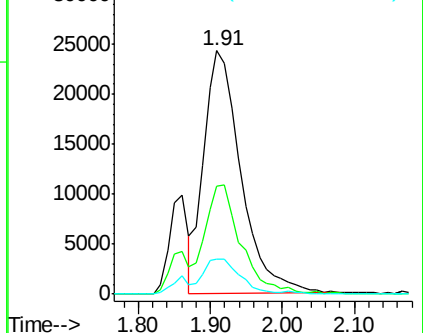
141 14.1 11.0 16.6

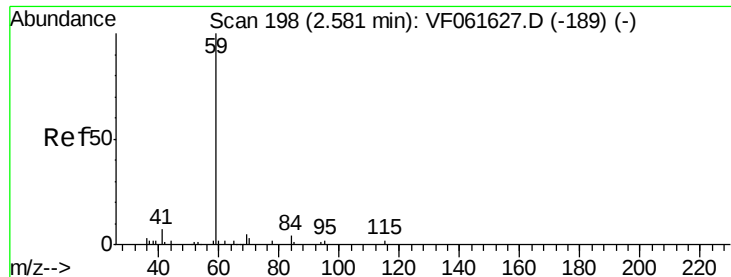


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

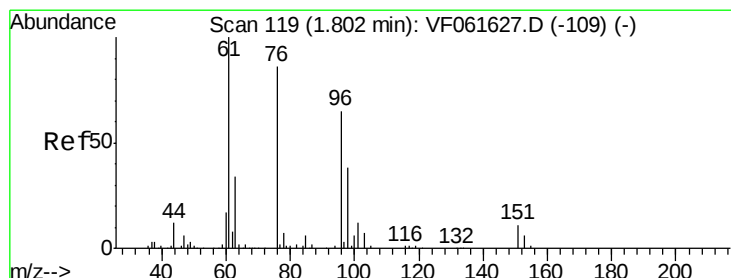
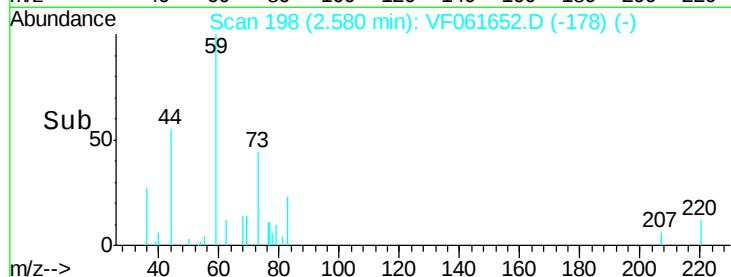
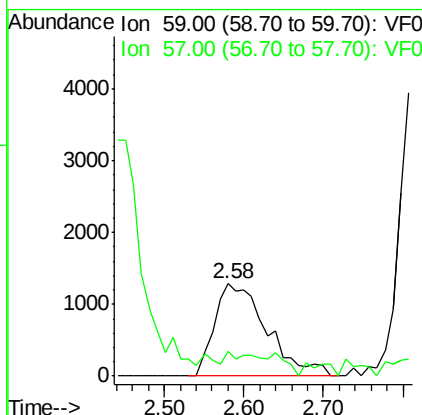
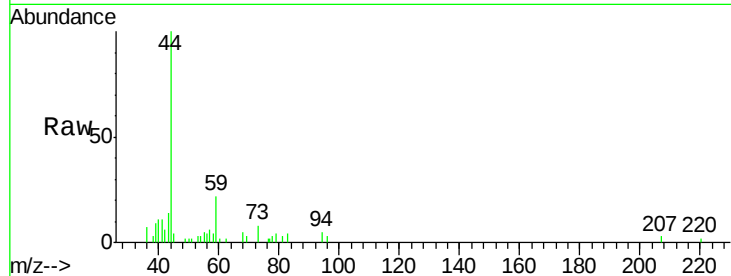




#11
Tert butyl alcohol
Concen: 45.742 ug/l
RT: 2.58 min Scan# 198
Delta R.T. -0.00 min
Lab File: VF061652.D
Acq: 15 Feb 2019 13:19

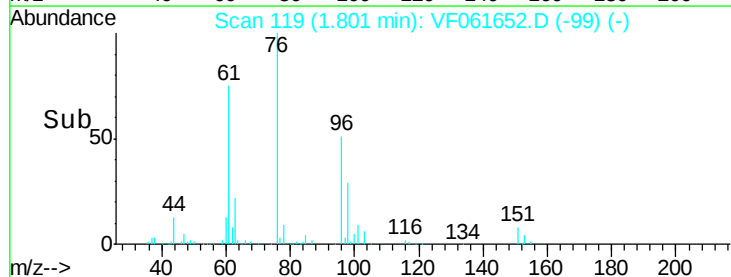
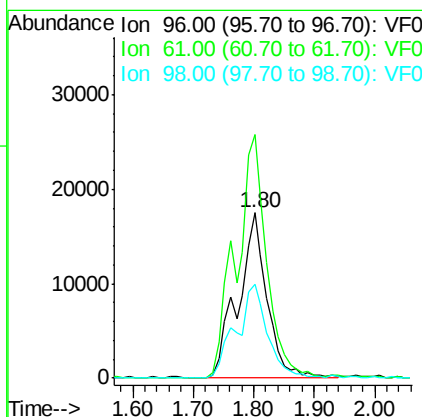
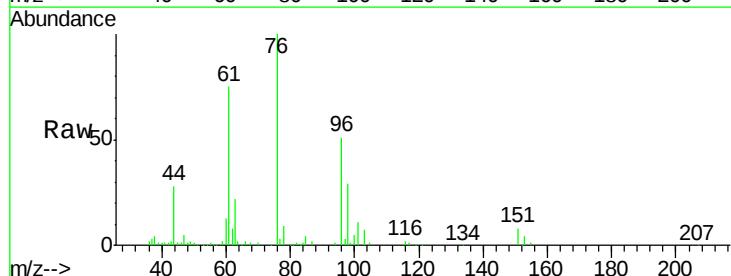
Instrument :
MSVOA_F
ClientSampleId :
VF0215SBS01

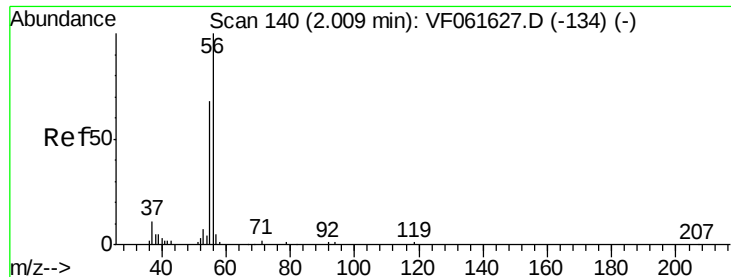
Tot Ion: 59 Resp: 5867
Ion Ratio Lower Upper
59 100
57 27.2 12.5 18.7#



#12
1,1-Dichloroethene
Concen: 22.596 ug/l
RT: 1.80 min Scan# 119
Delta R.T. -0.00 min
Lab File: VF061652.D
Acq: 15 Feb 2019 13:19

Tgt Ion: 96 Resp: 58519
Ion Ratio Lower Upper
96 100
61 147.4 122.6 184.0
98 56.9 47.2 70.8





#13

Acrolein

Concen: 64.204 ug/l

RT: 2.02 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF061652.D

Acq: 15 Feb 2019 13:19

Instrument :

MSVOA_F

ClientSampleId :

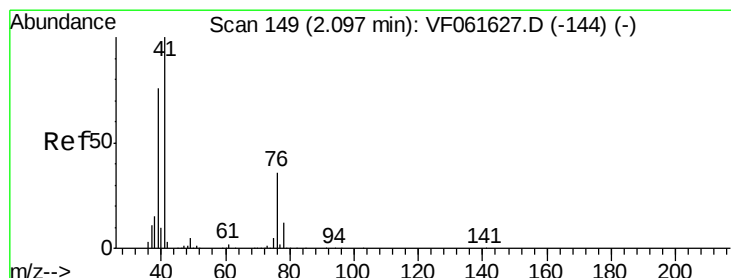
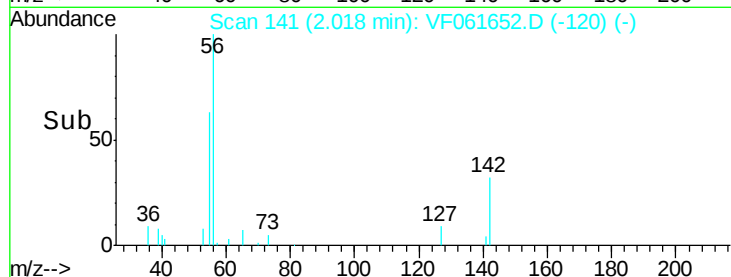
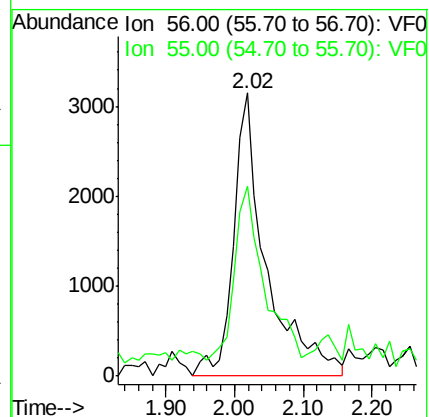
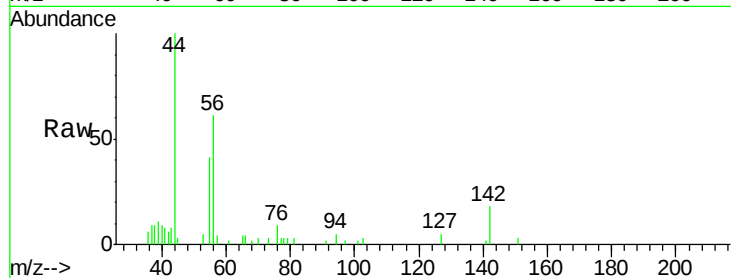
VF0215SBSD01

Tot Ion: 56 Resp: 10350

Ion Ratio Lower Upper

56 100

55 67.2 55.0 82.6



#14

Allyl chloride

Concen: 23.547 ug/l

RT: 2.11 min Scan# 150

Delta R.T. 0.01 min

Lab File: VF061652.D

Acq: 15 Feb 2019 13:19

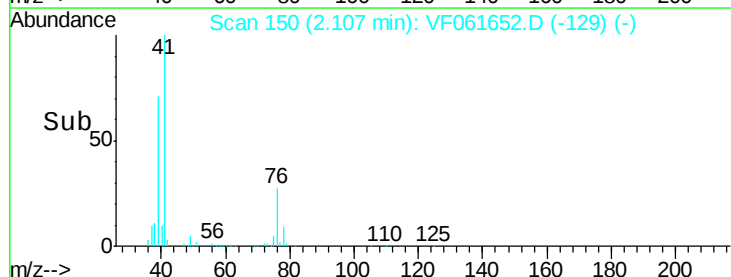
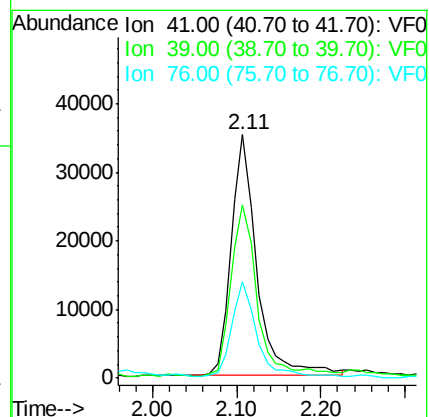
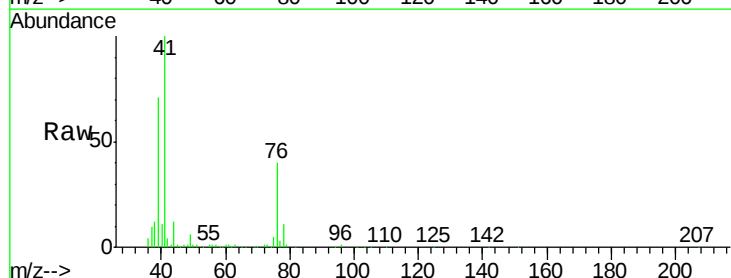
Tgt Ion: 41 Resp: 74831

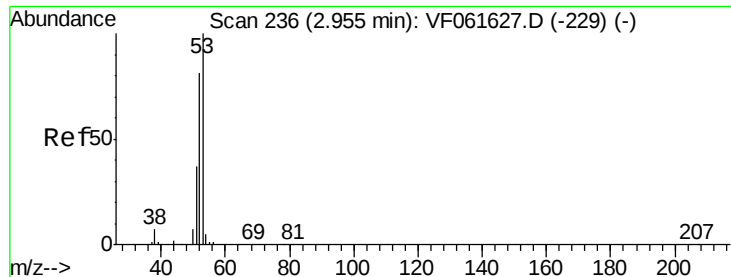
Ion Ratio Lower Upper

41 100

39 71.0 61.6 92.4

76 39.8 30.3 45.5





#15

Acrylonitrile

Concen: 48.266 ug/l

RT: 2.95 min Scan# 236

Delta R.T. -0.00 min

Lab File: VF061652.D

Acq: 15 Feb 2019 13:19

Instrument :

MSVOA_F

ClientSampleId :

VF0215SBS01

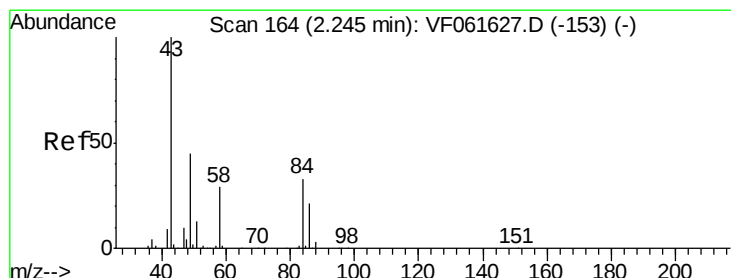
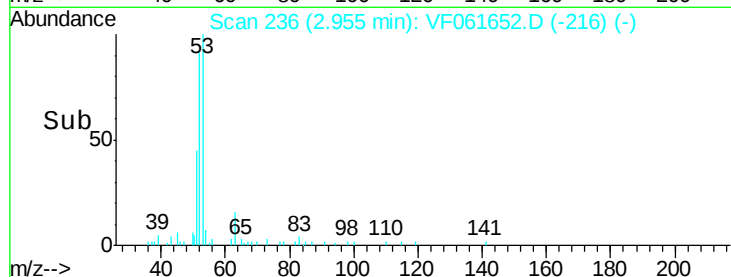
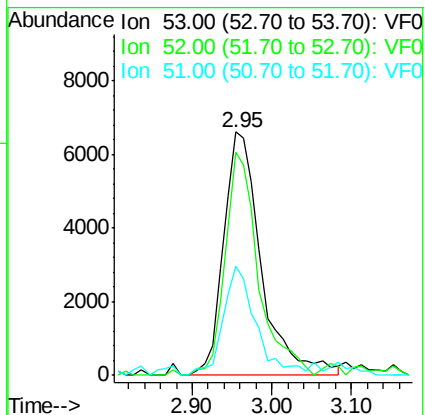
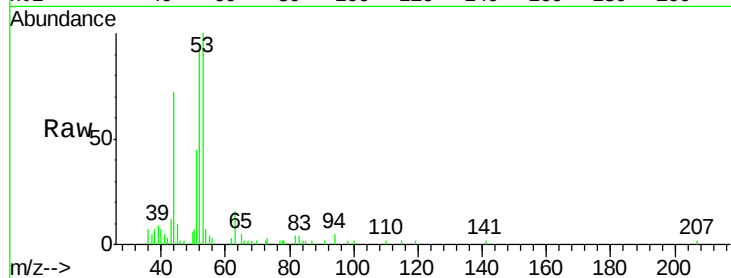
Tot Ion: 53 Resp: 21959

Ion Ratio Lower Upper

53 100

52 91.6 64.6 97.0

51 44.6 29.8 44.8



#16

Acetone

Concen: 58.060 ug/l

RT: 2.25 min Scan# 165

Delta R.T. 0.01 min

Lab File: VF061652.D

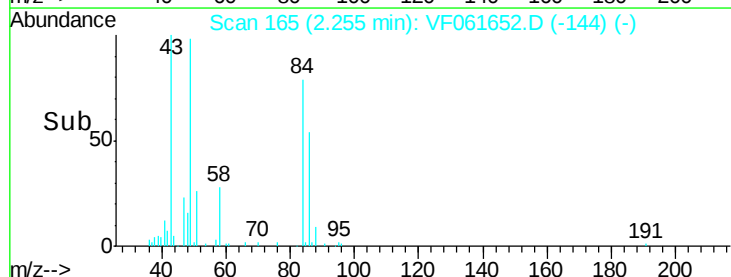
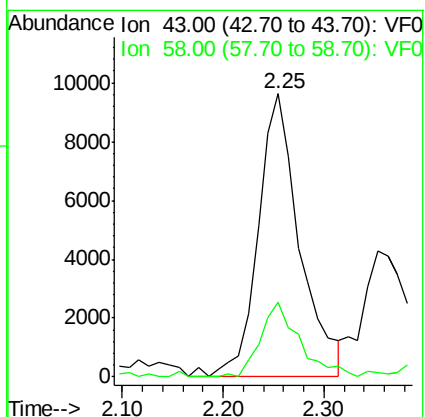
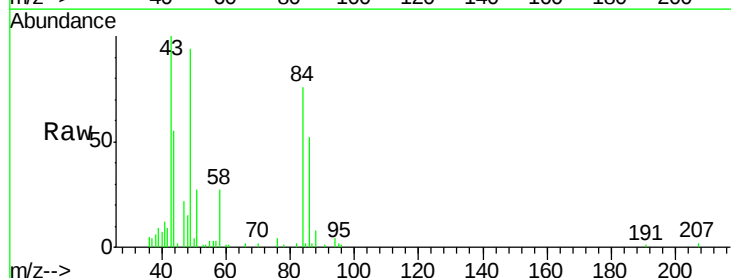
Acq: 15 Feb 2019 13:19

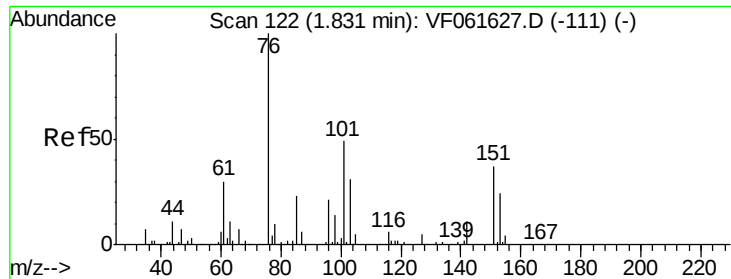
Tgt Ion: 43 Resp: 27608

Ion Ratio Lower Upper

43 100

58 26.6 22.9 34.3





#17

Carbon Disulfide

Concen: 22.195 ug/l

RT: 1.81 min Scan# 120

Delta R.T. -0.02 min

Lab File: VF061652.D

Acq: 15 Feb 2019 13:19

Instrument :

MSVOA_F

ClientSampleId :

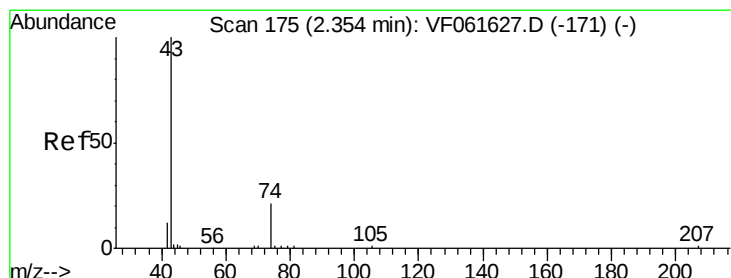
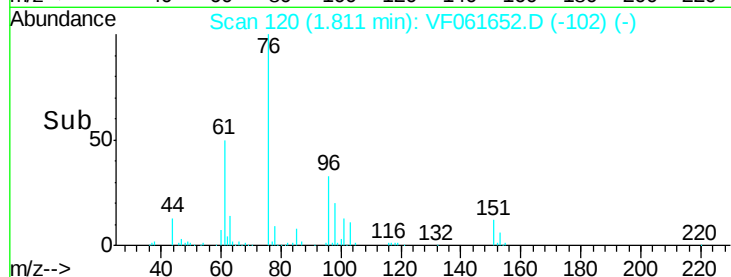
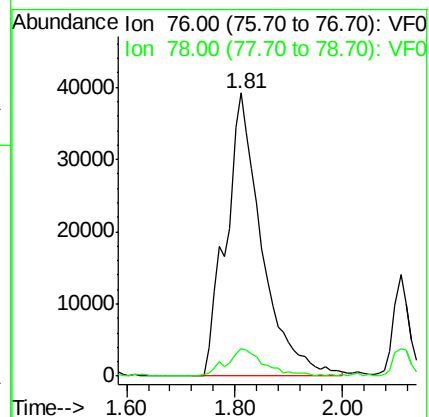
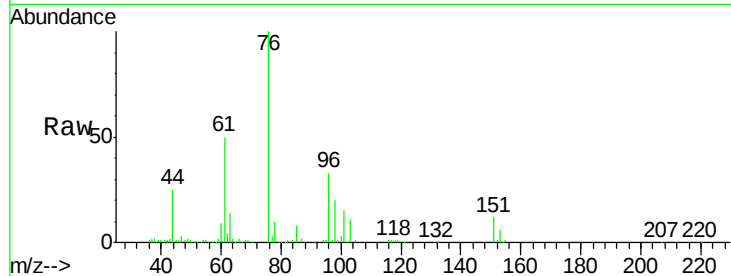
VF0215SBS01

Tot Ion: 76 Resp: 180682

Ion Ratio Lower Upper

76 100

78 9.8 7.9 11.9



#18

Methyl Acetate

Concen: 12.366 ug/l

RT: 2.35 min Scan# 175

Delta R.T. -0.00 min

Lab File: VF061652.D

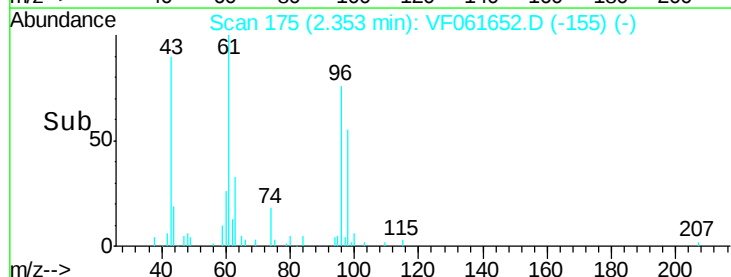
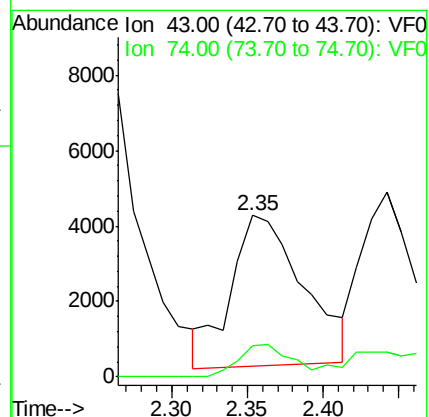
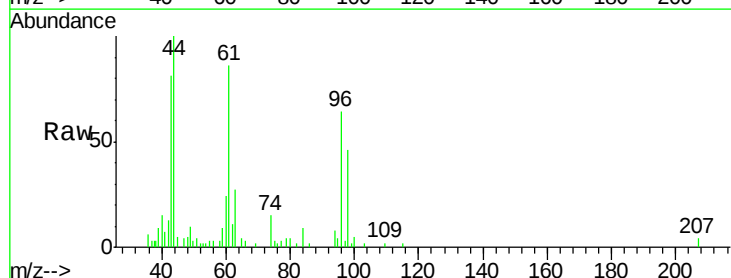
Acq: 15 Feb 2019 13:19

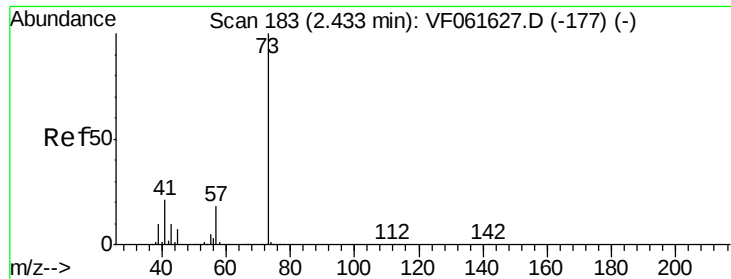
Tgt Ion: 43 Resp: 13247

Ion Ratio Lower Upper

43 100

74 19.0 14.6 21.8

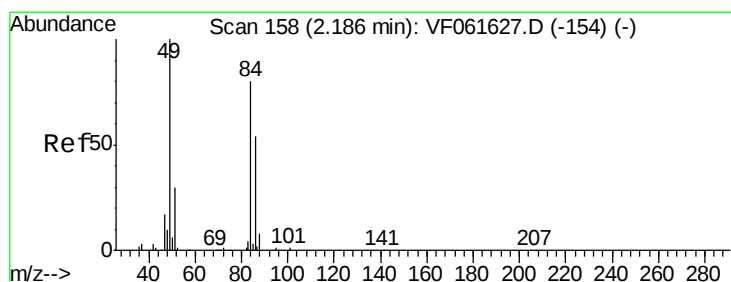
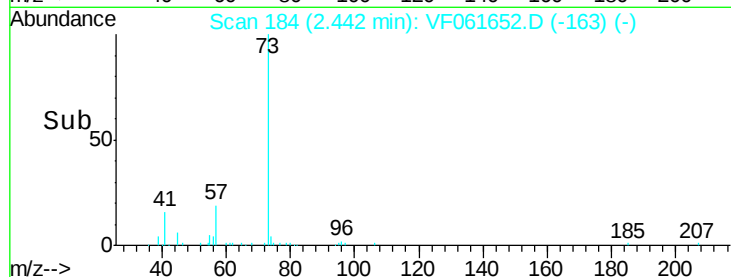
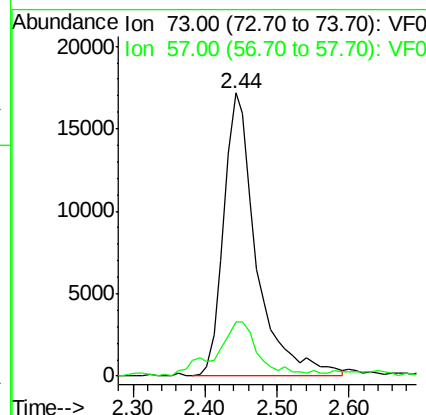
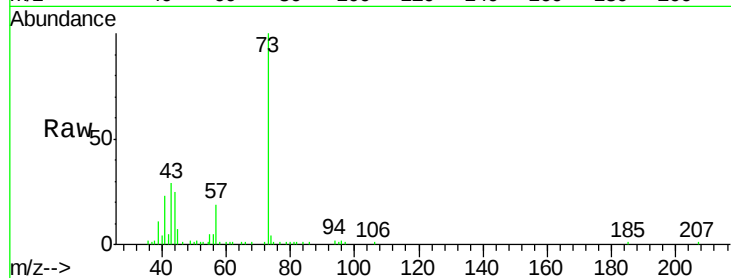




#19
Methvl tert-butvl Ether
Concen: 12.142 ug/l
RT: 2.44 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF061652.D
Acq: 15 Feb 2019 13:19

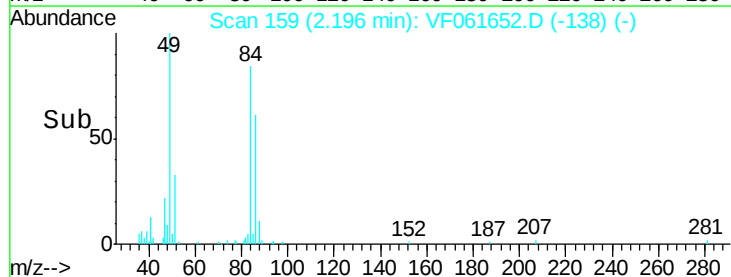
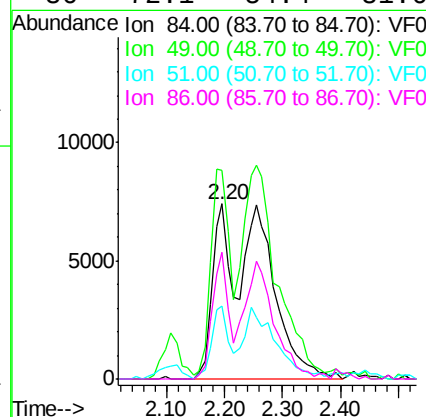
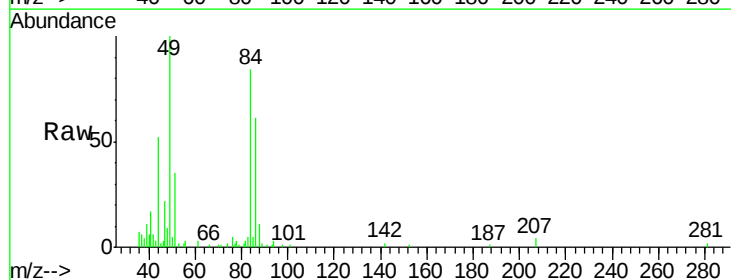
Instrument :
MSVOA_F
ClientSampleId :
VF0215SBS01

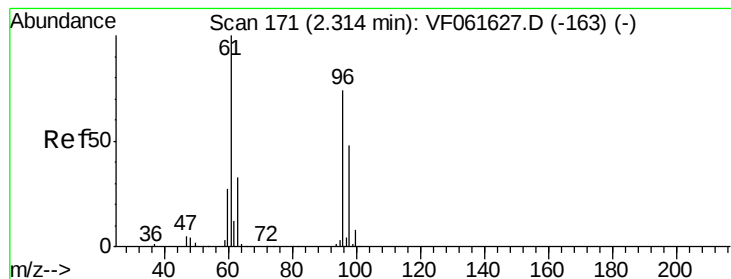
Tot Ion: 73 Resp: 53743
Ion Ratio Lower Upper
73 100
57 19.2 15.8 23.8



#20
Methylene Chloride
Concen: 15.674 ug/l m
RT: 2.20 min Scan# 159
Delta R.T. 0.01 min
Lab File: VF061652.D
Acq: 15 Feb 2019 13:19

Tgt Ion: 84 Resp: 44346
Ion Ratio Lower Upper
84 100
49 119.1 101.8 152.8
51 41.5 31.1 46.7
86 72.1 54.4 81.6





#21

trans-1,2-Dichloroethene

Concen: 18.834 ug/l

RT: 2.32 min Scan# 172

Delta R.T. 0.01 min

Lab File: VF061652.D

Acq: 15 Feb 2019 13:19

Instrument :

MSVOA_F

ClientSampleId :

VF0215SBS01

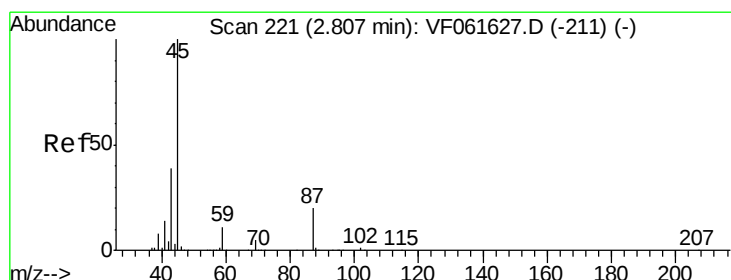
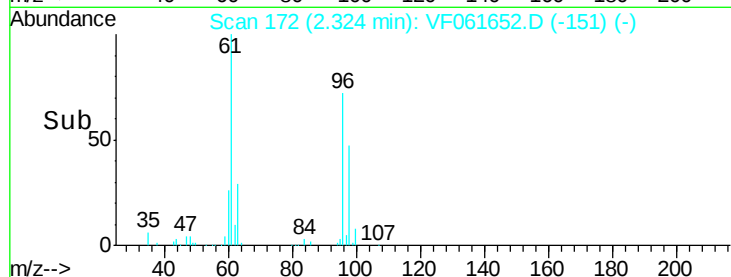
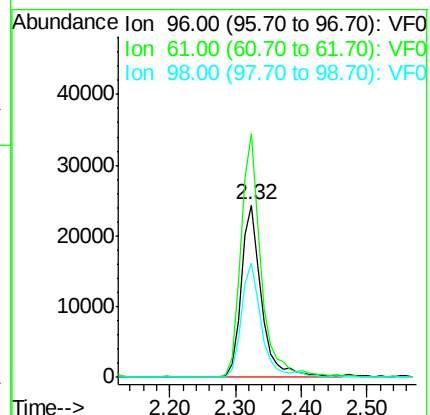
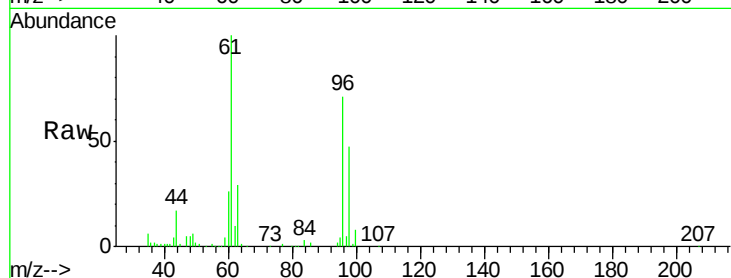
Tot Ion: 96 Resp: 53024

Ion Ratio Lower Upper

96 100

61 141.4 108.2 162.4

98 66.1 52.2 78.2



#22

Diisopropyl ether

Concen: 15.883 ug/l

RT: 2.82 min Scan# 222

Delta R.T. 0.01 min

Lab File: VF061652.D

Acq: 15 Feb 2019 13:19

Tgt Ion: 45 Resp: 121159

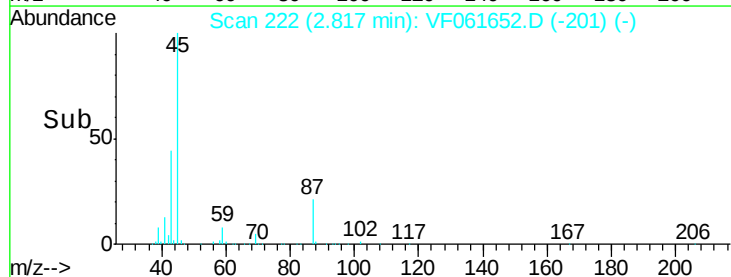
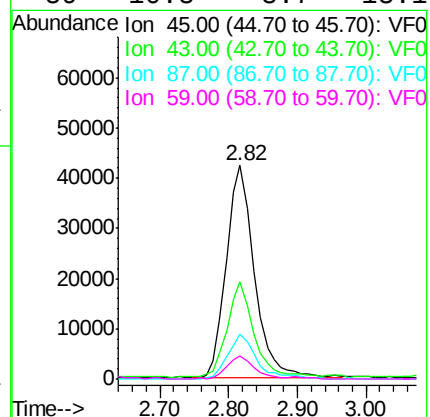
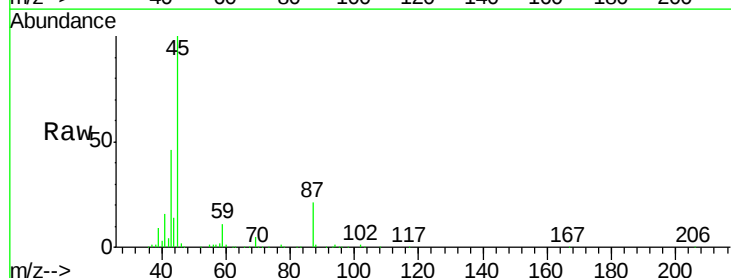
Ion Ratio Lower Upper

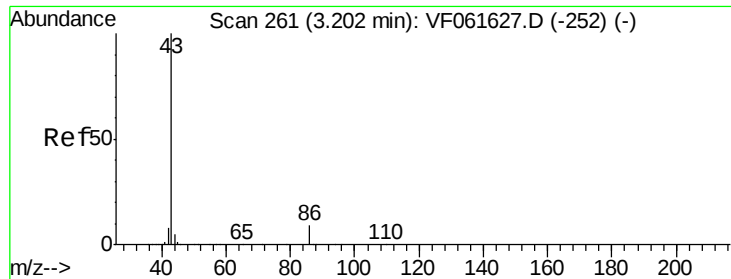
45 100

43 45.6 31.4 47.2

87 21.1 16.3 24.5

59 10.8 8.7 13.1





#23

Vinyl Acetate

Concen: 53.948 ug/l

RT: 3.21 min Scan# 262

Delta R.T. 0.01 min

Lab File: VF061652.D

Acq: 15 Feb 2019 13:19

Instrument :

MSVOA_F

ClientSampleId :

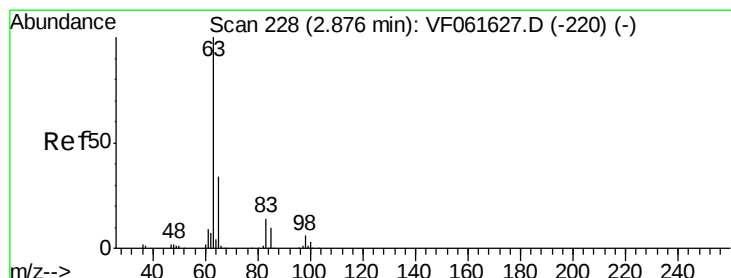
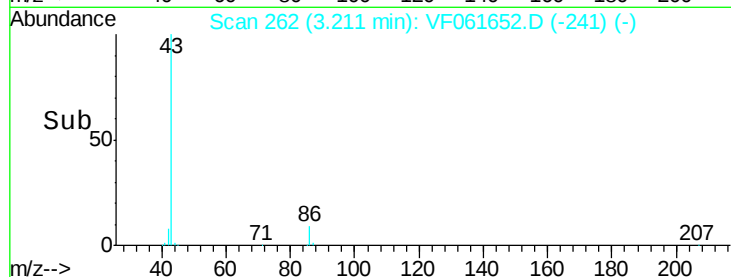
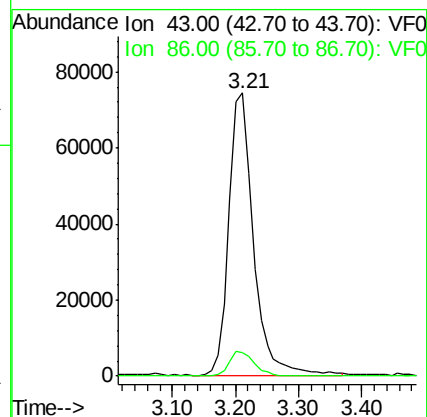
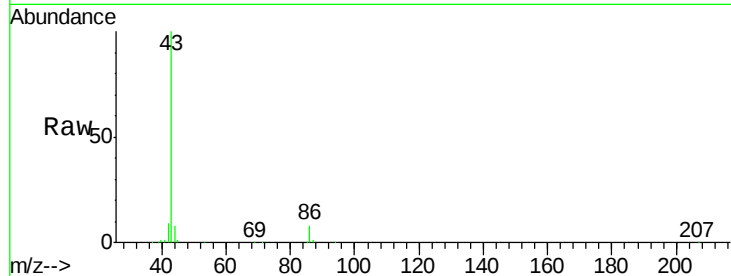
VF0215SBS01

Tot Ion: 43 Resp: 201006

Ion Ratio Lower Upper

43 100

86 8.5 7.5 11.3



#24

1,1-Dichloroethane

Concen: 19.072 ug/l

RT: 2.89 min Scan# 229

Delta R.T. 0.01 min

Lab File: VF061652.D

Acq: 15 Feb 2019 13:19

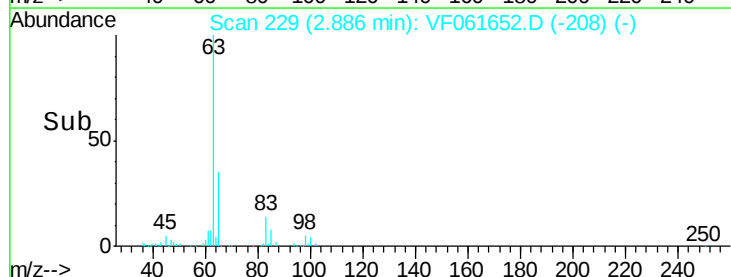
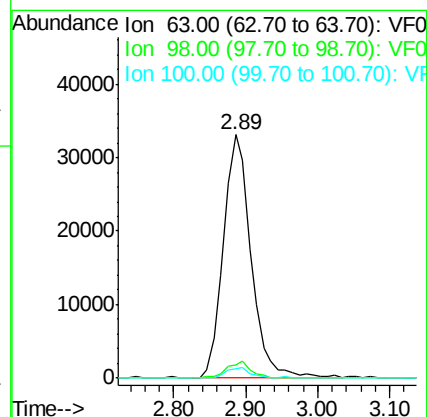
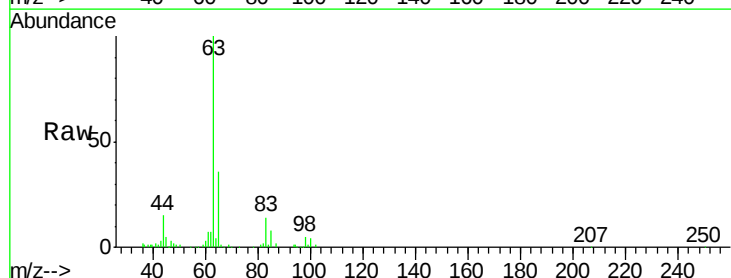
Tgt Ion: 63 Resp: 88044

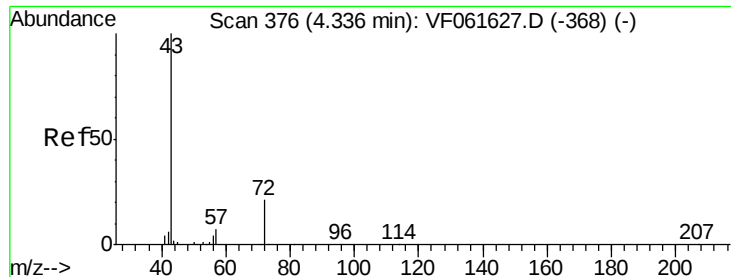
Ion Ratio Lower Upper

63 100

98 5.5 2.8 8.3

100 3.7 1.8 5.4





#25

2-Butanone

Concen: 61.866 ug/l

RT: 4.36 min Scan# 379

Delta R.T. 0.03 min

Lab File: VF061652.D

Acq: 15 Feb 2019 13:19

Instrument :

MSVOA_F

ClientSampleId :

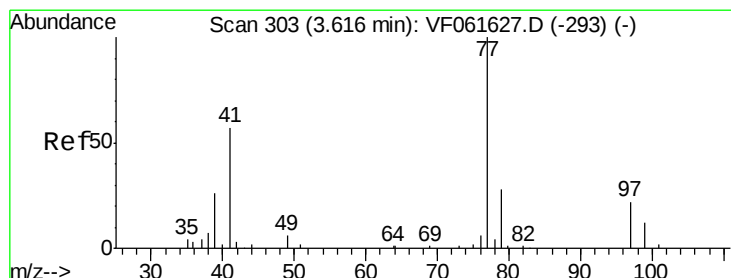
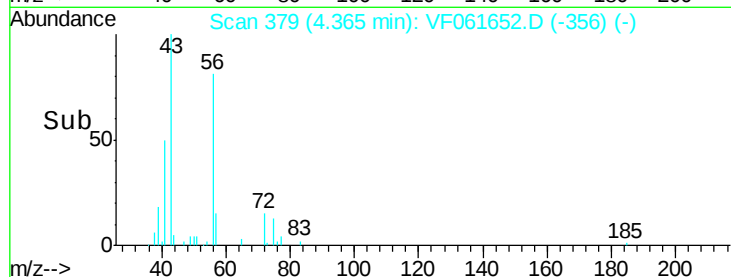
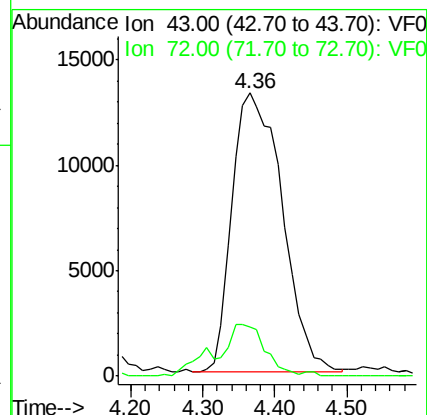
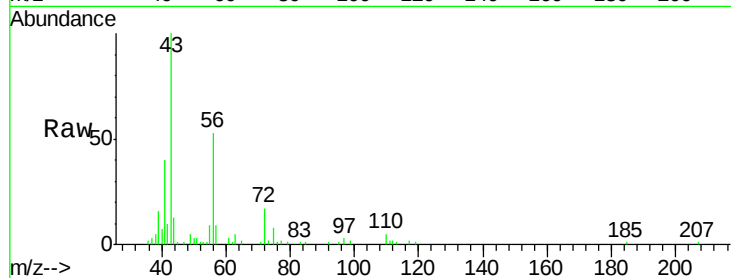
VF0215SBSD01

Tot Ion: 43 Resp: 64258

Ion Ratio Lower Upper

43 100

72 17.4 17.1 25.7



#26

2,2-Dichloropropane

Concen: 21.676 ug/l

RT: 3.62 min Scan# 303

Delta R.T. -0.00 min

Lab File: VF061652.D

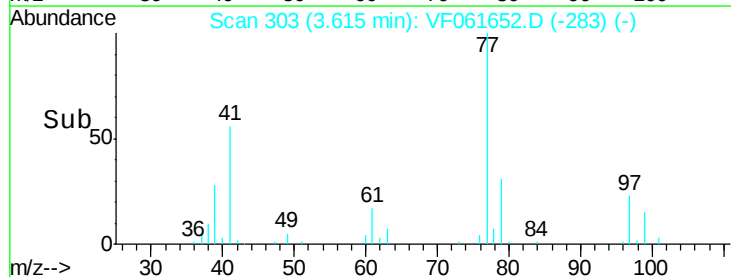
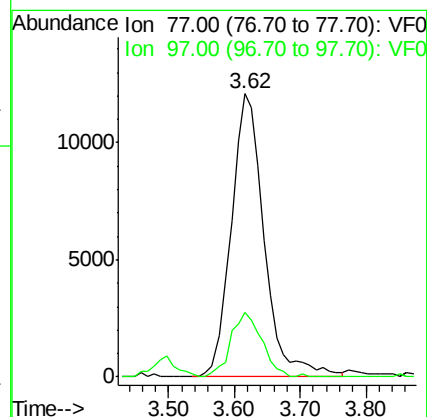
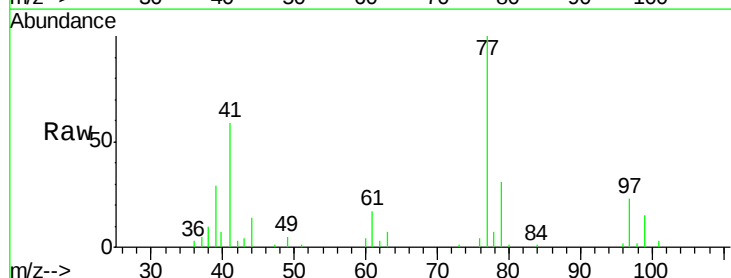
Acq: 15 Feb 2019 13:19

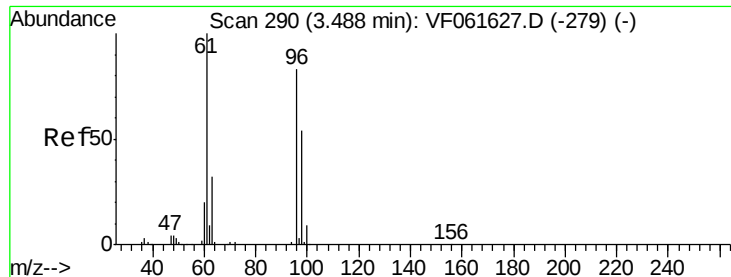
Tgt Ion: 77 Resp: 42386

Ion Ratio Lower Upper

77 100

97 22.7 11.7 35.0



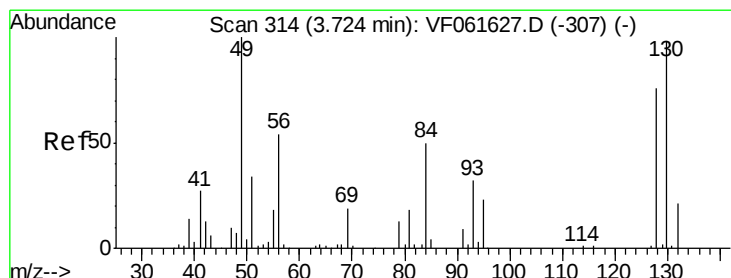
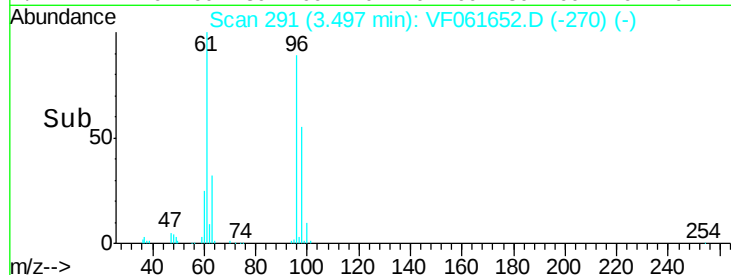
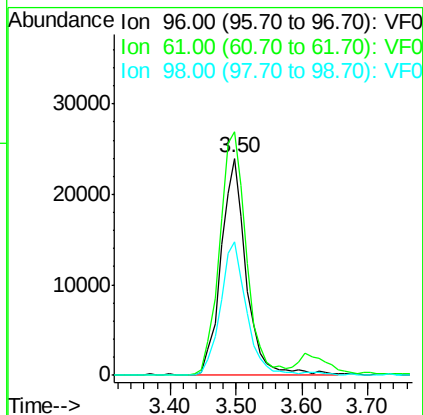
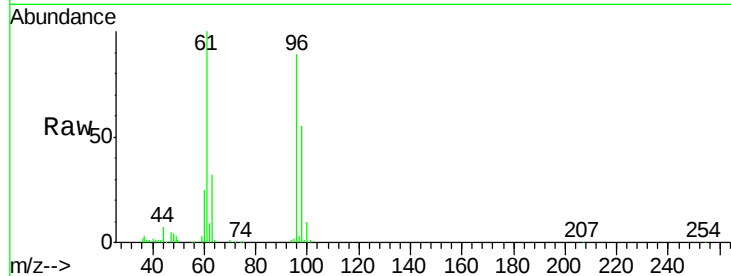


#27

cis-1,2-Dichloroethene
Concen: 17.428 ug/l
RT: 3.50 min Scan# 291
Delta R.T. 0.01 min
Lab File: VF061652.D
Acq: 15 Feb 2019 13:19

Instrument :
MSVOA_F
ClientSampleId :
VF0215SBS01

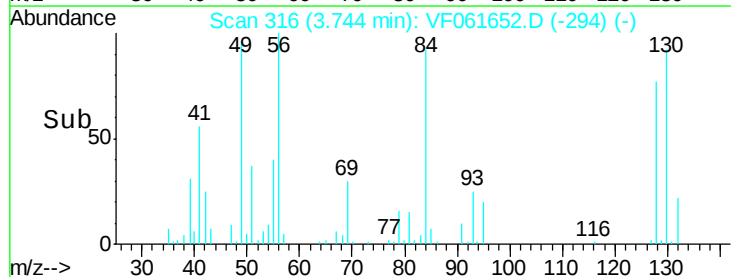
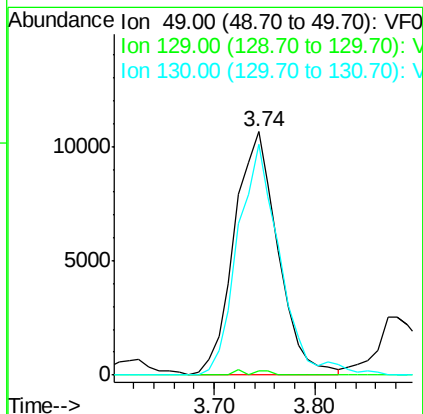
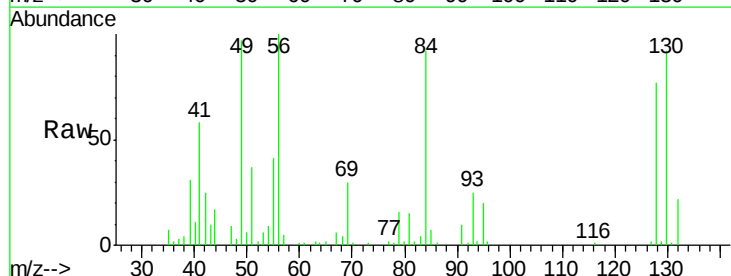
Tot Ion: 96 Resp: 64402
Ion Ratio Lower Upper
96 100
61 112.3 0.0 241.6
98 61.5 0.0 130.2

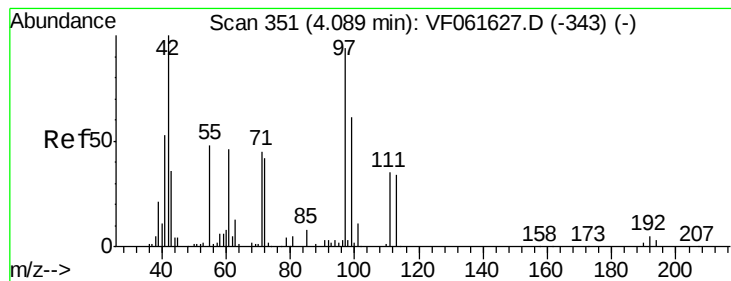


#28

Bromochloromethane
Concen: 14.471 ug/l
RT: 3.74 min Scan# 316
Delta R.T. 0.02 min
Lab File: VF061652.D
Acq: 15 Feb 2019 13:19

Tgt Ion: 49 Resp: 32054
Ion Ratio Lower Upper
49 100
129 2.0 0.0 3.4
130 94.9 77.7 116.5





#29

Tetrahydrofuran

Concen: 44.672 ug/l

RT: 4.10 min Scan# 352

Delta R.T. 0.01 min

Lab File: VF061652.D

Acq: 15 Feb 2019 13:19

Instrument :

MSVOA_F

ClientSampleId :

VF0215SBS01

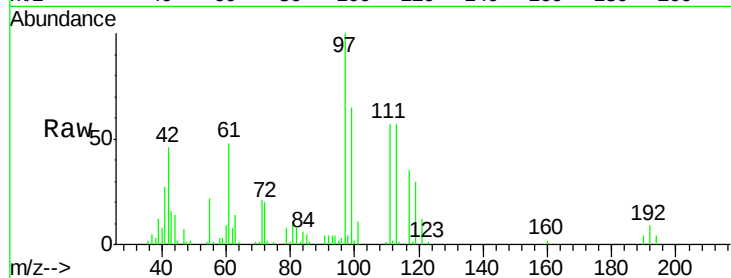
Tot Ion: 42 Resp: 21089

Ion Ratio Lower Upper

42 100

72 44.7 35.2 52.8

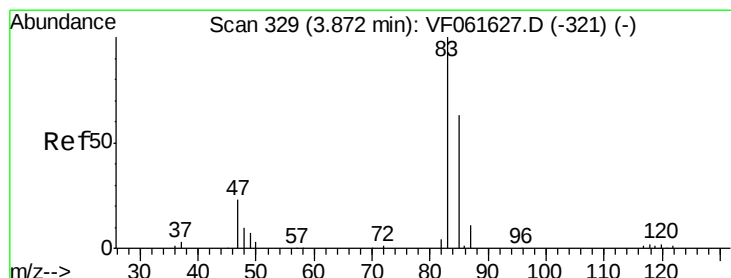
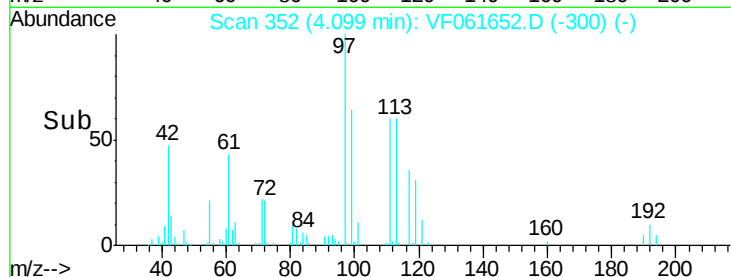
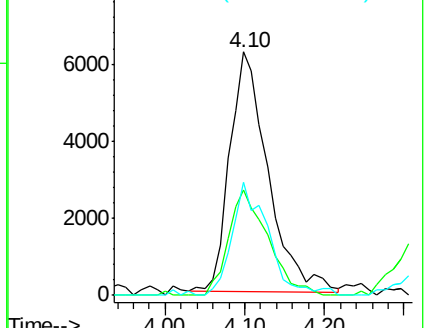
71 43.7 32.9 49.3



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 17.420 ug/l

RT: 3.88 min Scan# 330

Delta R.T. 0.01 min

Lab File: VF061652.D

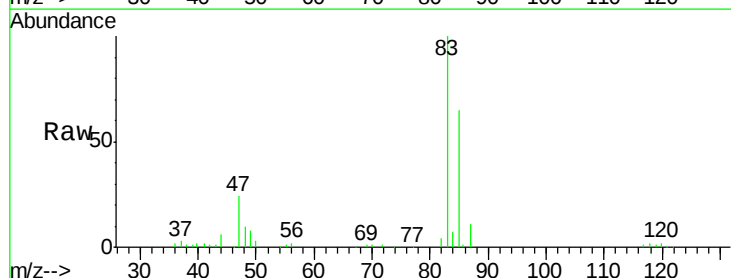
Acq: 15 Feb 2019 13:19

Tgt Ion: 83 Resp: 91453

Ion Ratio Lower Upper

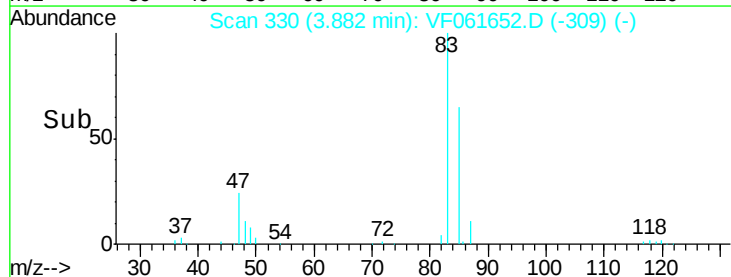
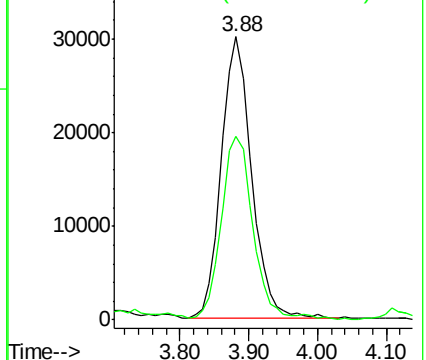
83 100

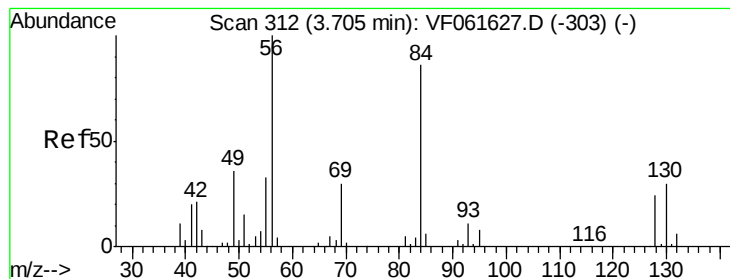
85 64.8 51.1 76.7



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 21.185 ug/l

RT: 3.71 min Scan# 313

Delta R.T. 0.01 min

Lab File: VF061652.D

Acq: 15 Feb 2019 13:19

Instrument :

MSVOA_F

ClientSampleId :

VF0215SBS01

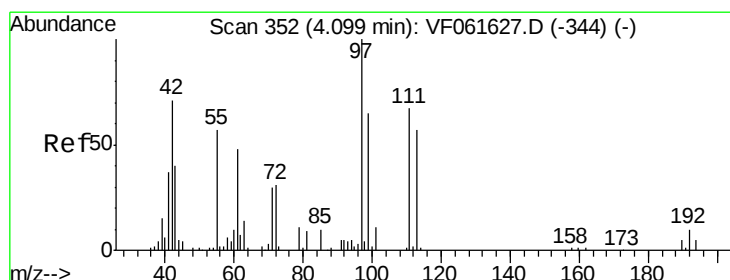
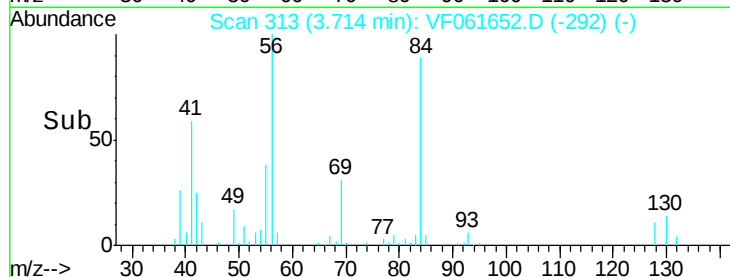
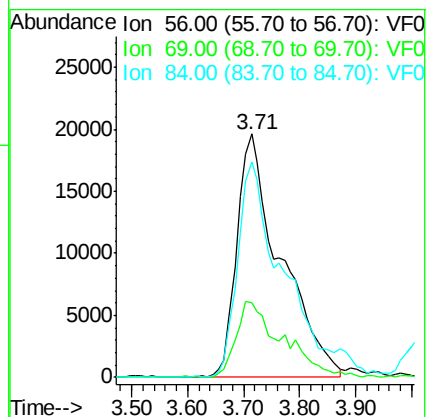
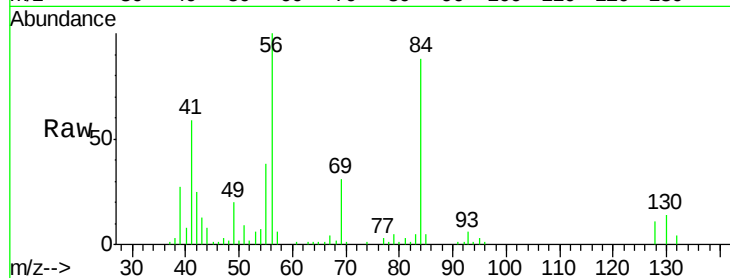
Tot Ion: 56 Resp: 105874

Ion Ratio Lower Upper

56 100

69 30.5 23.8 35.8

84 88.4 68.6 103.0



#32

1,1,1-Trichloroethane

Concen: 19.480 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.01 min

Lab File: VF061652.D

Acq: 15 Feb 2019 13:19

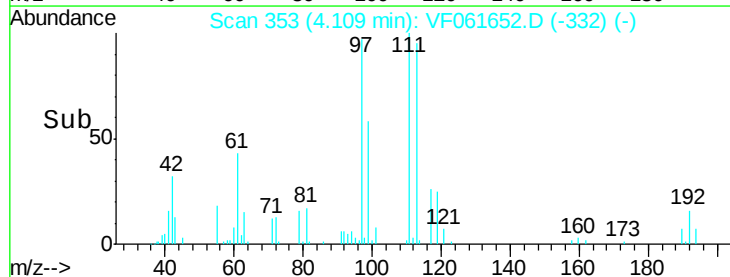
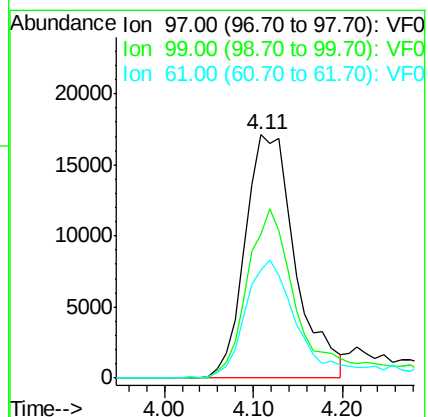
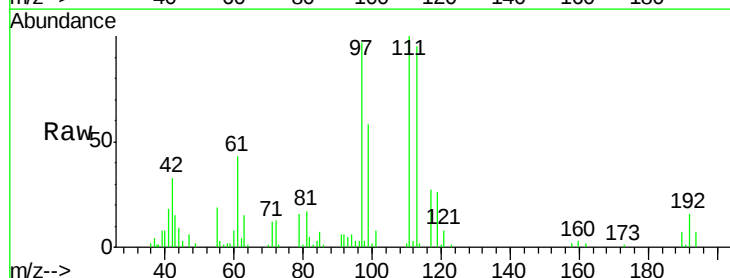
Tgt Ion: 97 Resp: 66992

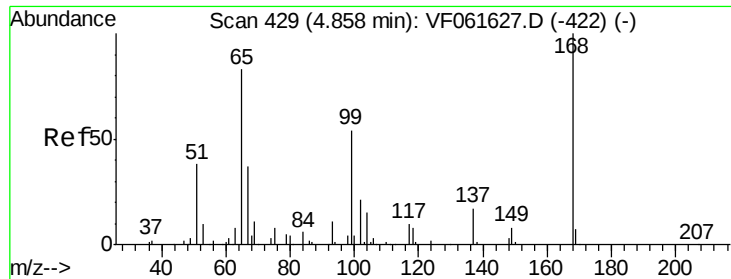
Ion Ratio Lower Upper

97 100

99 59.3 52.2 78.2

61 44.4 39.2 58.8

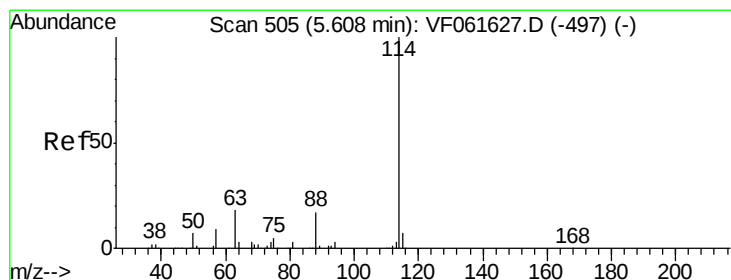
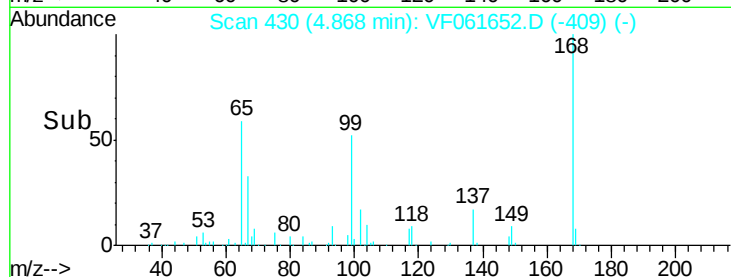
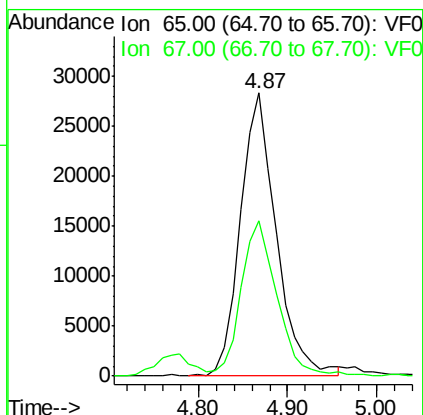
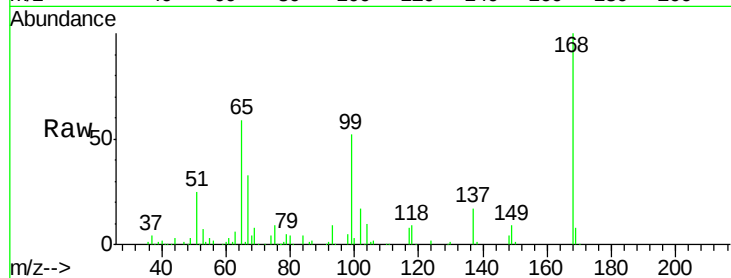




#33
 1,2-Dichloroethane-d4
 Concen: 35.726 ug/l
 RT: 4.87 min Scan# 430
 Delta R.T. 0.01 min
 Lab File: VF061652.D
 Acq: 15 Feb 2019 13:19

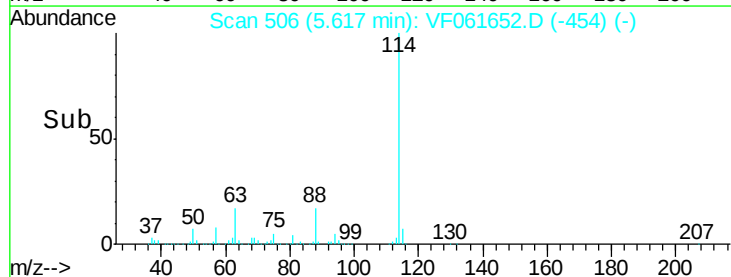
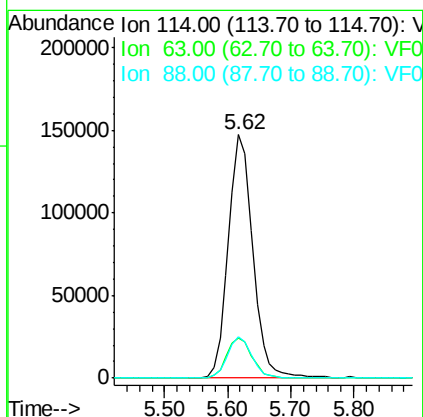
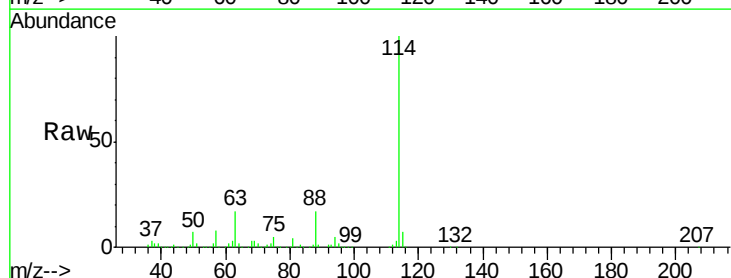
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0215SBS01

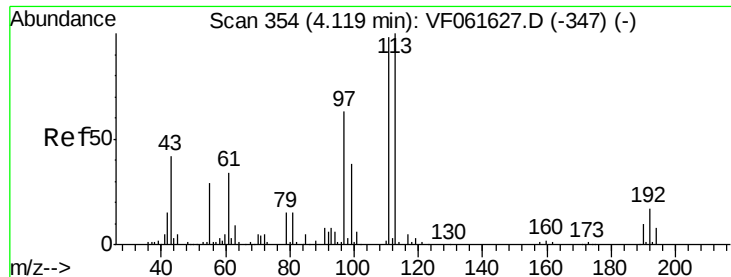
Tot Ion: 65 Resp: 79177
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.62 min Scan# 506
 Delta R.T. 0.01 min
 Lab File: VF061652.D
 Acq: 15 Feb 2019 13:19

Tgt Ion: 114 Resp: 397527
 Ion Ratio Lower Upper
 114 100
 63 16.6 0.0 36.6
 88 17.1 0.0 34.4

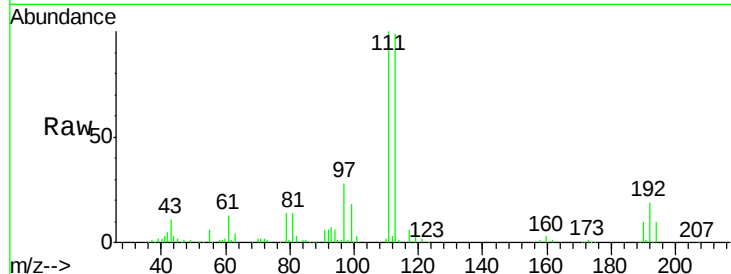




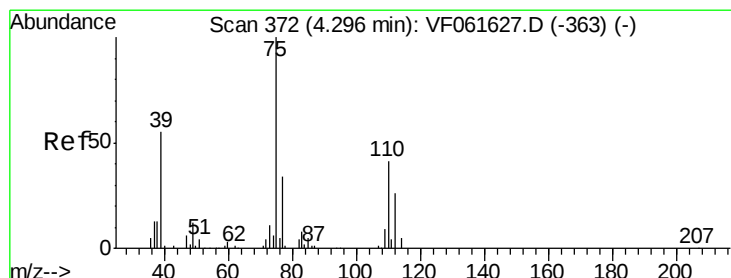
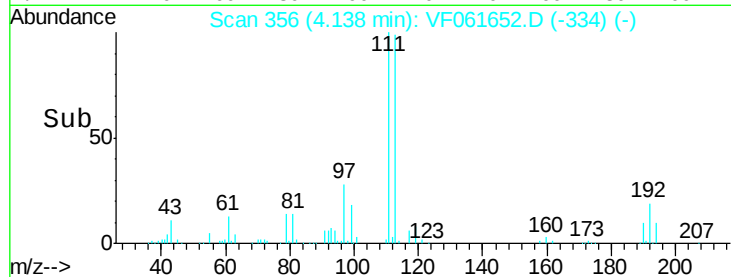
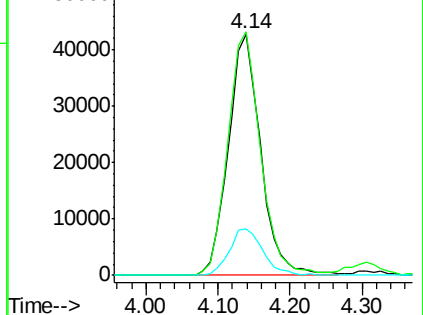
#35
 Dibromofluoromethane
 Concen: 45.448 ug/l
 RT: 4.14 min Scan# 356
 Delta R.T. 0.02 min
 Lab File: VF061652.D
 Acq: 15 Feb 2019 13:19

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0215SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.8	78.8	118.2
192	19.4	13.4	20.0

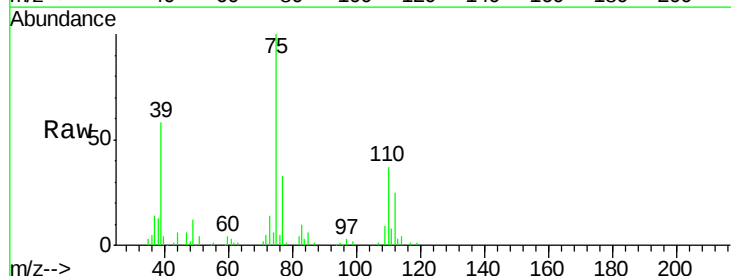


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

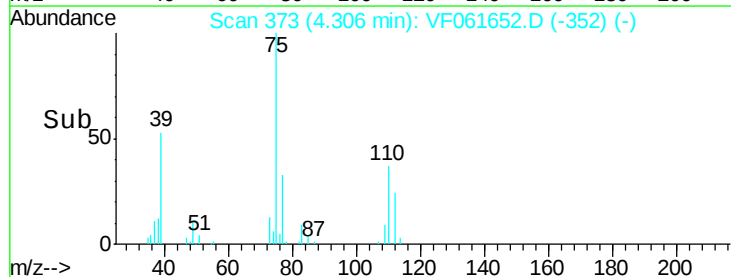
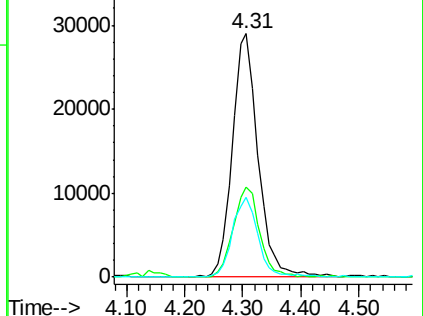


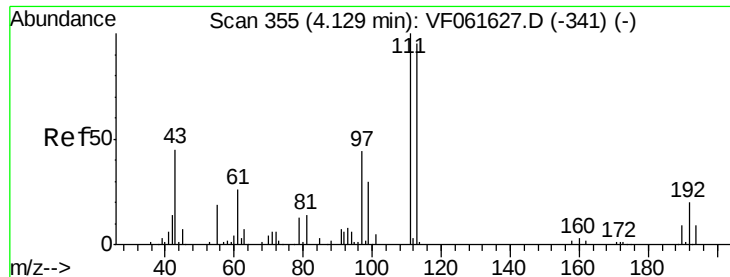
#36
 1,1-Dichloropropene
 Concen: 22.653 ug/l
 RT: 4.31 min Scan# 373
 Delta R.T. 0.01 min
 Lab File: VF061652.D
 Acq: 15 Feb 2019 13:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.0	20.5	61.6
77	32.8	27.0	40.4



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

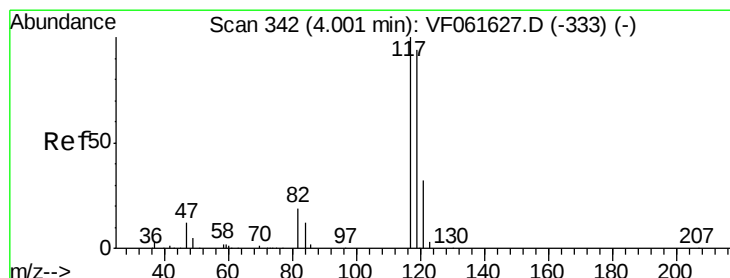
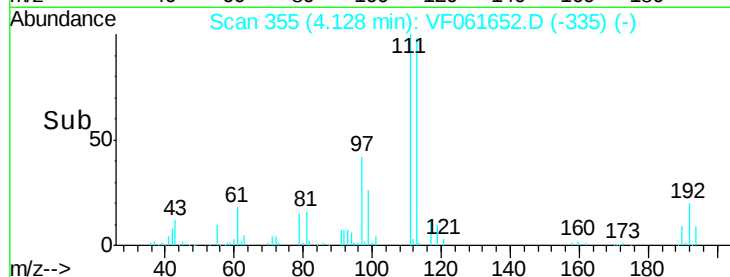
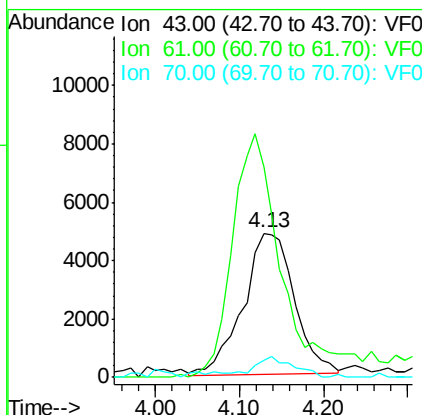
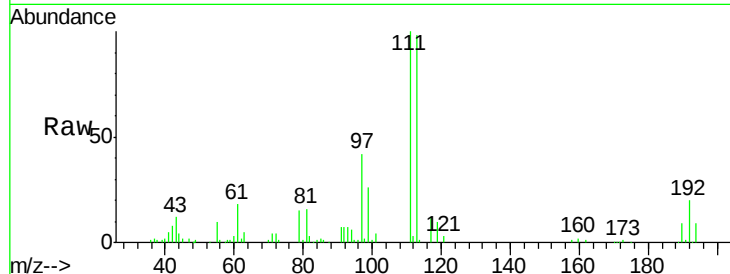




#37
Ethyl Acetate
Concen: 11.311 ug/l
RT: 4.13 min Scan# 355
Delta R.T. -0.00 min
Lab File: VF061652.D
Acq: 15 Feb 2019 13:19

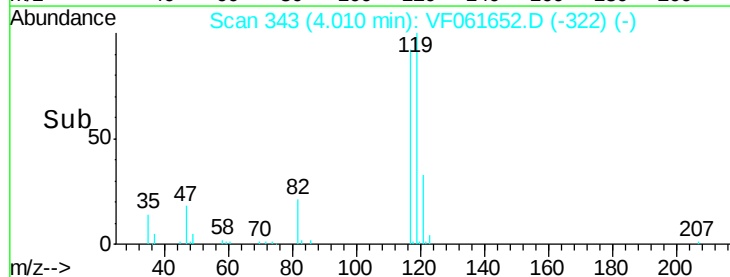
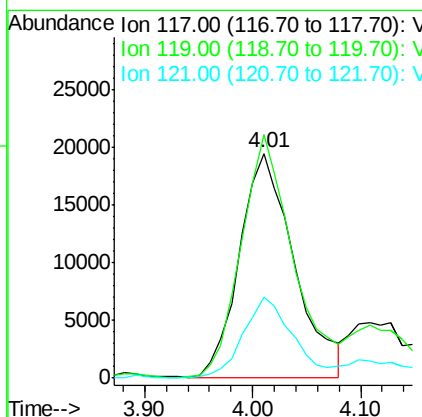
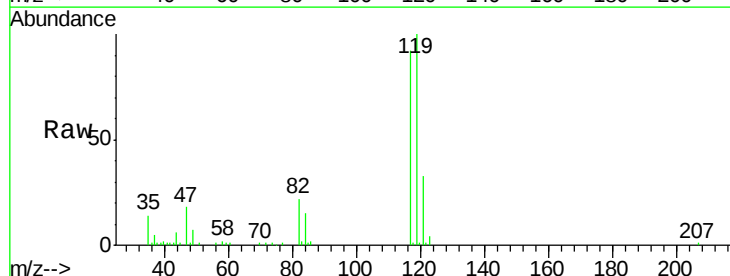
Instrument :
MSVOA_F
ClientSampleId :
VF0215SBS01

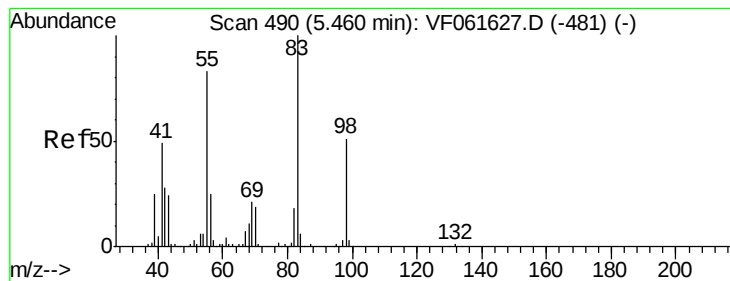
Tot Ion: 43 Resp: 20689
Ion Ratio Lower Upper
43 100
61 145.4 45.7 68.5#
70 11.4 8.5 12.7



#38
Carbon Tetrachloride
Concen: 25.335 ug/l
RT: 4.01 min Scan# 343
Delta R.T. 0.01 min
Lab File: VF061652.D
Acq: 15 Feb 2019 13:19

Tgt Ion: 117 Resp: 68892
Ion Ratio Lower Upper
117 100
119 108.5 75.6 113.4
121 35.9 25.2 37.8





#39

Methvlcvclohexane

Concen: 24.664 ug/l

RT: 5.48 min Scan# 492

Delta R.T. 0.02 min

Lab File: VF061652.D

Acq: 15 Feb 2019 13:19

Instrument :

MSVOA_F

ClientSampleId :

VF0215SBS01

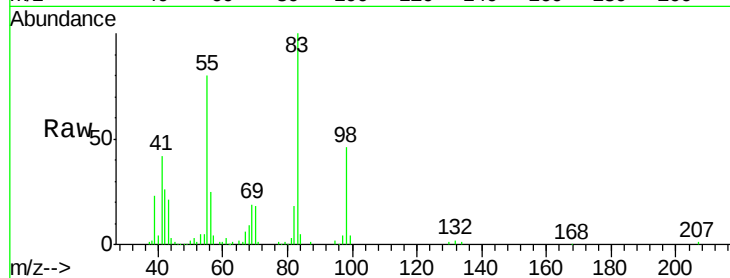
Tot Ion: 83 Resp: 114867

Ion Ratio Lower Upper

83 100

55 79.9 66.6 99.8

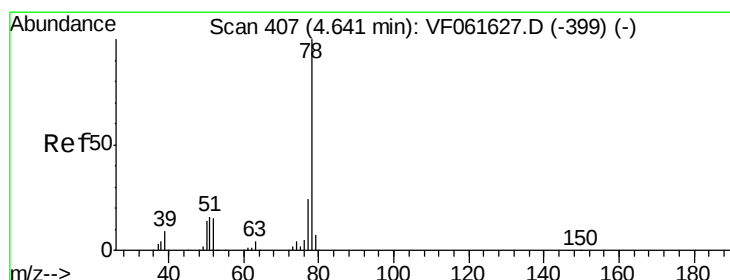
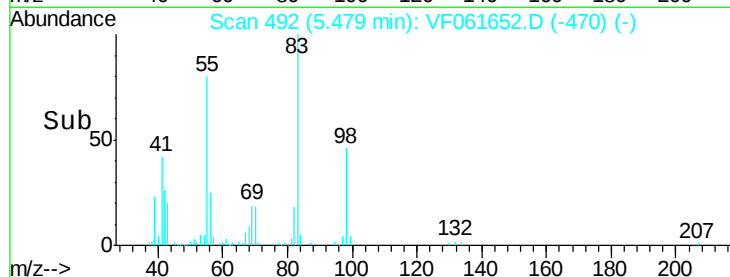
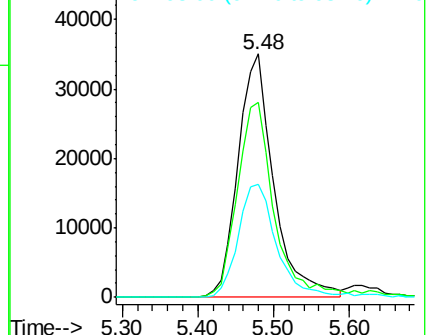
98 46.4 40.4 60.6



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: 20.753 ug/l

RT: 4.65 min Scan# 408

Delta R.T. 0.01 min

Lab File: VF061652.D

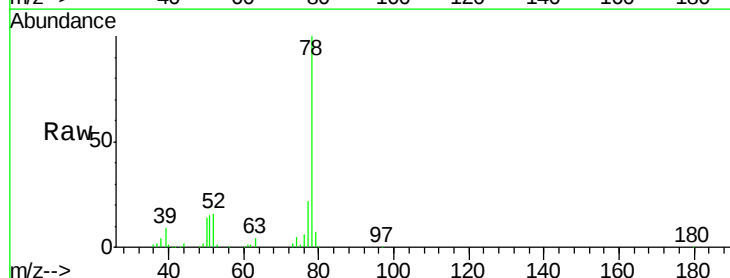
Acq: 15 Feb 2019 13:19

Tgt Ion: 78 Resp: 213770

Ion Ratio Lower Upper

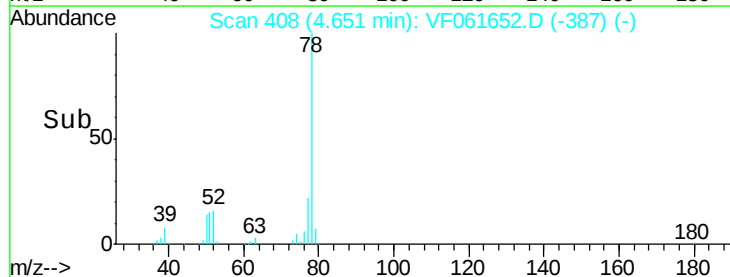
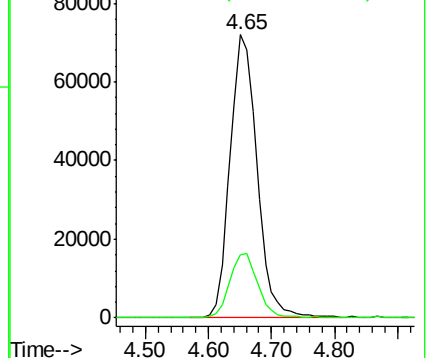
78 100

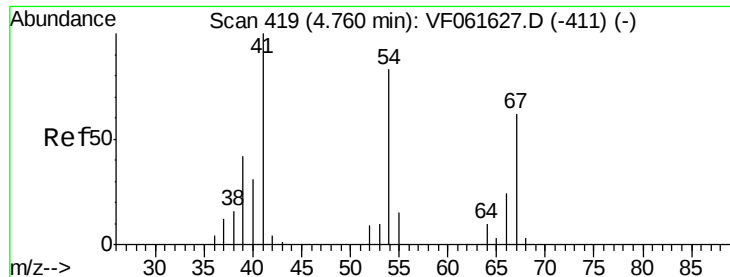
77 22.4 19.0 28.6



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

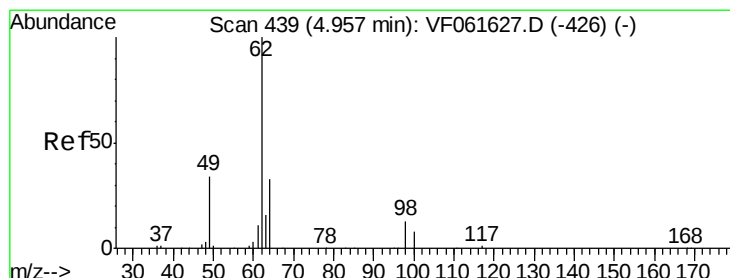
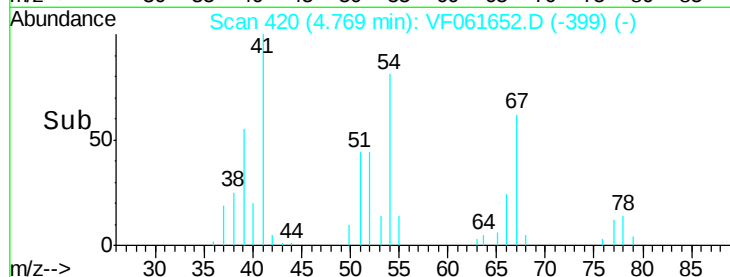
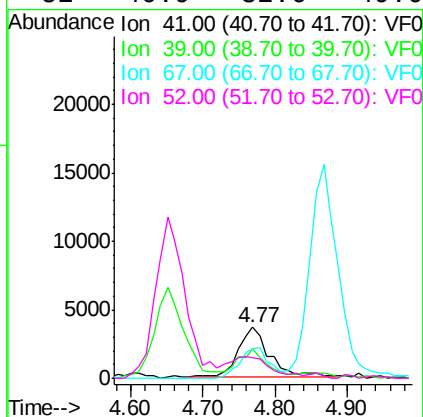
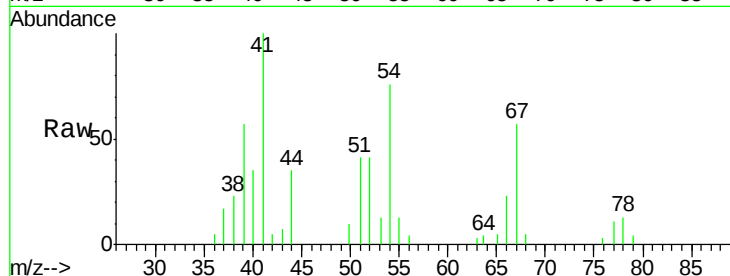




#41
Methacrylonitrile
Concen: 12.045 ug/l
RT: 4.77 min Scan# 420
Delta R.T. 0.01 min
Lab File: VF061652.D
Acq: 15 Feb 2019 13:19

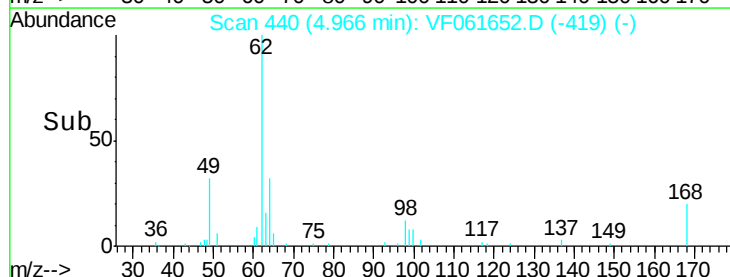
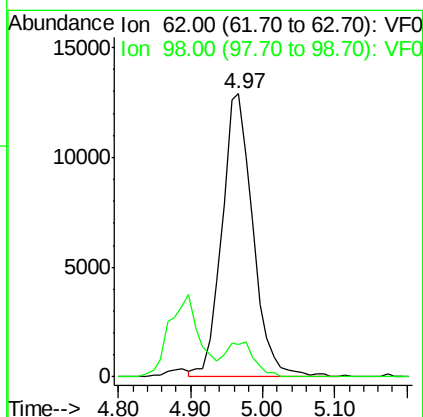
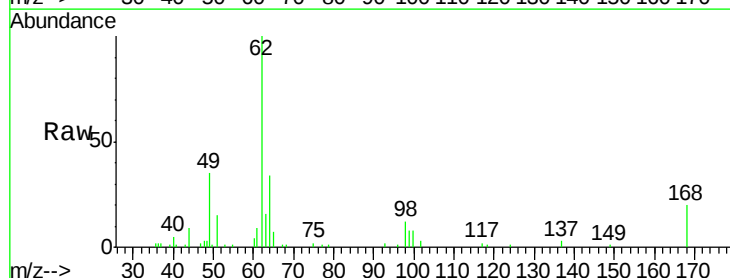
Instrument :
MSVOA_F
ClientSampleId :
VF0215SBS01

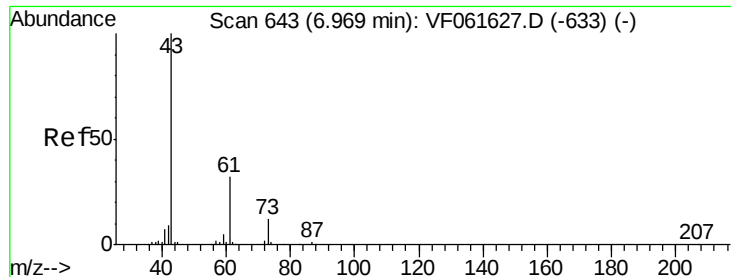
Tot Ion:	41	Resp:	11267
Ion	Ratio	Lower	Upper
41	100		
39	56.8	45.3	67.9
67	57.5	49.3	73.9
52	40.9	32.6	49.0



#42
1,2-Dichloroethane
Concen: 15.583 ug/l
RT: 4.97 min Scan# 440
Delta R.T. 0.01 min
Lab File: VF061652.D
Acq: 15 Feb 2019 13:19

Tgt Ion:	62	Resp:	38394
Ion	Ratio	Lower	Upper
62	100		
98	11.6	0.0	26.0



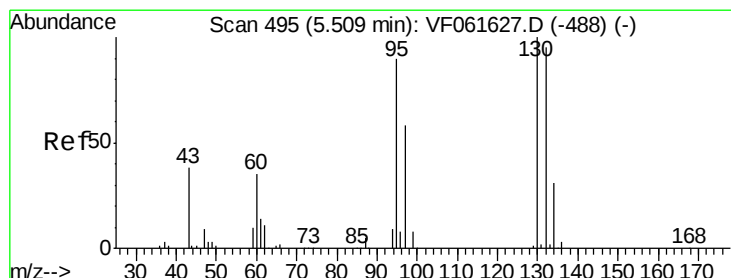
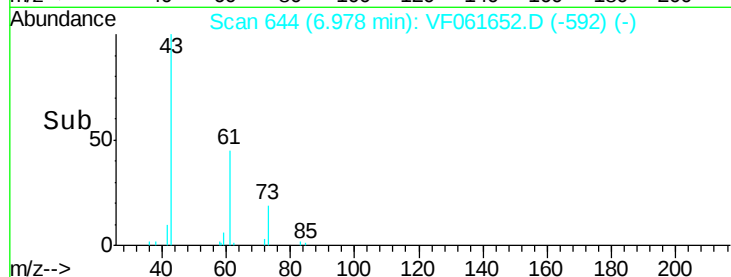
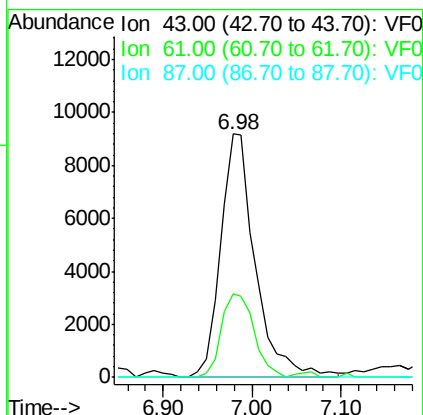
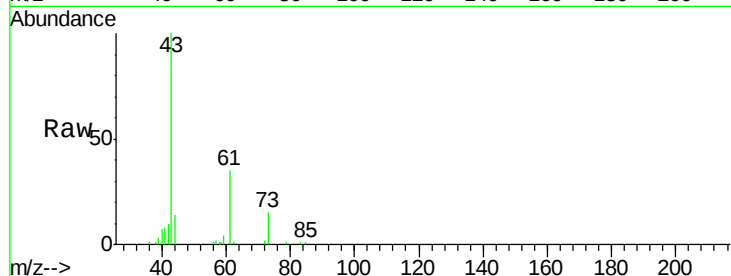


#43

Isopropyl Acetate
 Concen: 11.582 ug/l
 RT: 6.98 min Scan# 644
 Delta R.T. 0.01 min
 Lab File: VF061652.D
 Acq: 15 Feb 2019 13:19

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0215SBS01

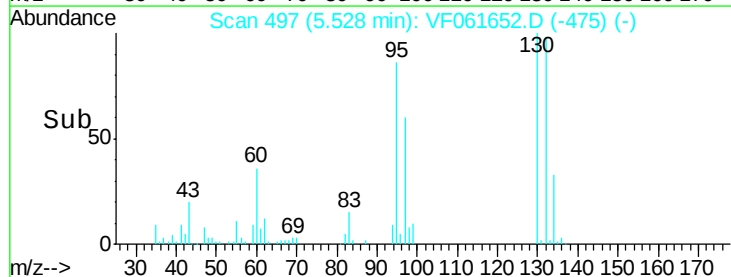
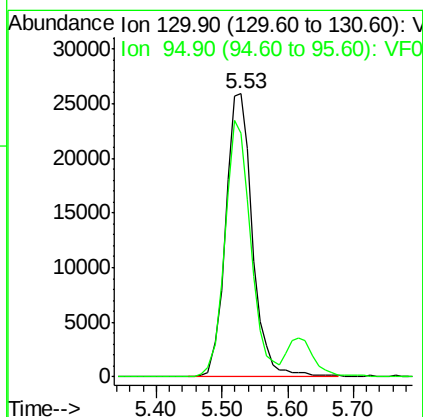
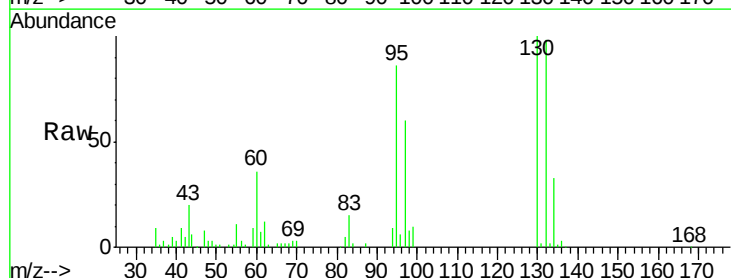
Tot Ion: 43 Resp: 25076
 Ion Ratio Lower Upper
 43 100
 61 34.6 25.8 38.6
 87 0.0 0.4 0.6#

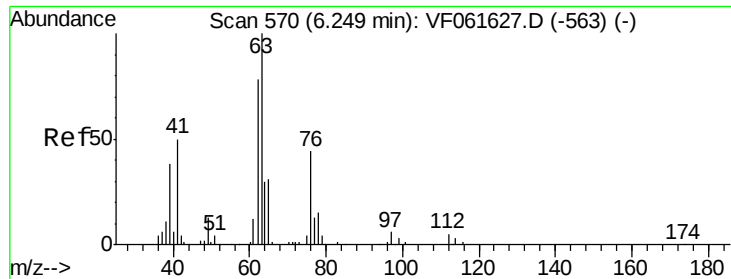


#44

Trichloroethene
 Concen: 22.157 ug/l
 RT: 5.53 min Scan# 497
 Delta R.T. 0.02 min
 Lab File: VF061652.D
 Acq: 15 Feb 2019 13:19

Tgt Ion: 130 Resp: 73802
 Ion Ratio Lower Upper
 130 100
 95 86.2 0.0 179.4





#45

1,2-Dichloropropane

Concen: 17.787 ug/l

RT: 6.26 min Scan# 571

Delta R.T. 0.01 min

Lab File: VF061652.D

Acq: 15 Feb 2019 13:19

Instrument :

MSVOA_F

ClientSampleId :

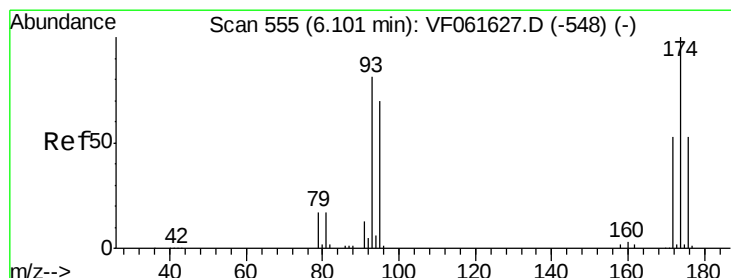
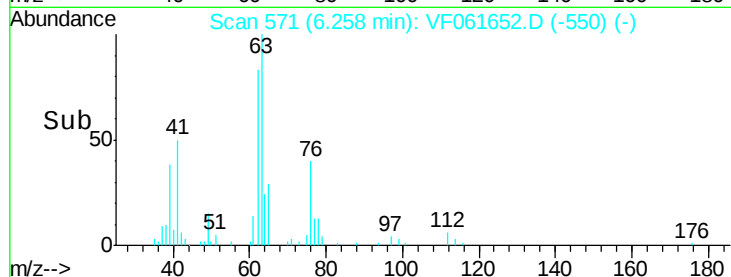
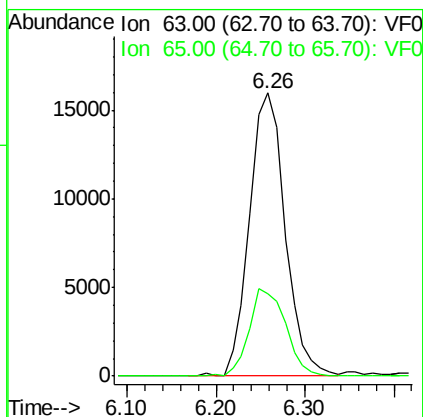
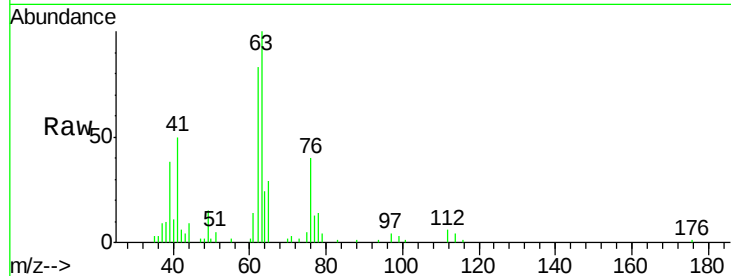
VF0215SBSD01

Tot Ion: 63 Resp: 44285

Ion Ratio Lower Upper

63 100

65 29.2 24.9 37.3



#46

Dibromomethane

Concen: 13.760 ug/l

RT: 6.11 min Scan# 556

Delta R.T. 0.01 min

Lab File: VF061652.D

Acq: 15 Feb 2019 13:19

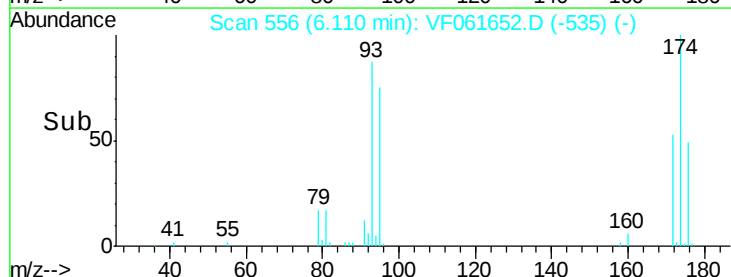
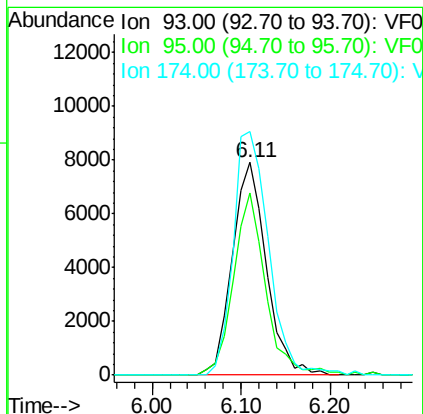
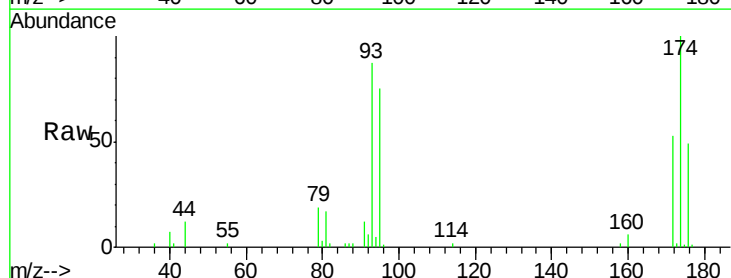
Tgt Ion: 93 Resp: 21094

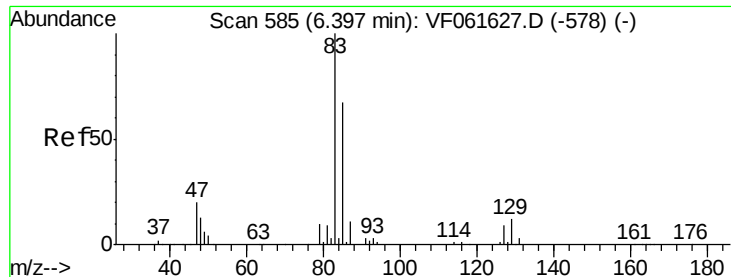
Ion Ratio Lower Upper

93 100

95 85.5 69.0 103.6

174 114.5 99.3 148.9





#47

Bromodichloromethane

Concen: 16.995 ug/l

RT: 6.41 min Scan# 586

Delta R.T. 0.01 min

Lab File: VF061652.D

Acq: 15 Feb 2019 13:19

Instrument :

MSVOA_F

ClientSampleId :

VF0215SBS01

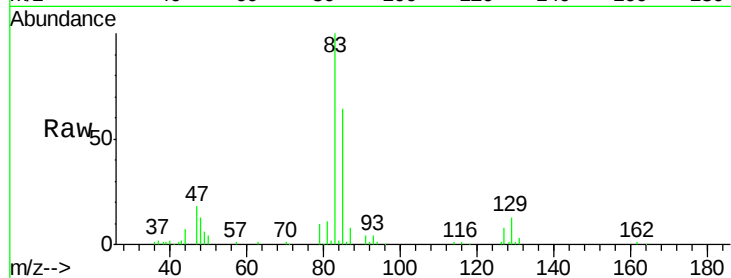
Tot Ion: 83 Resp: 57054

Ion Ratio Lower Upper

83 100

85 63.6 53.4 80.2

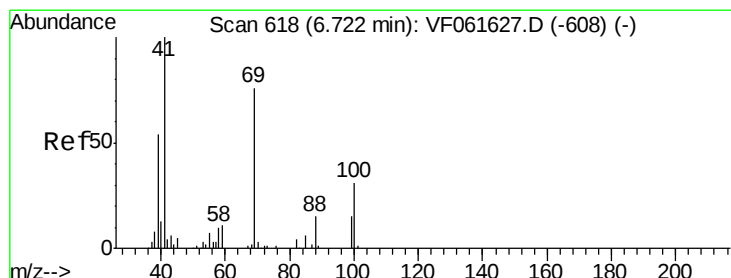
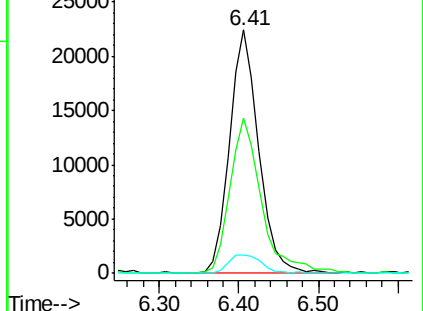
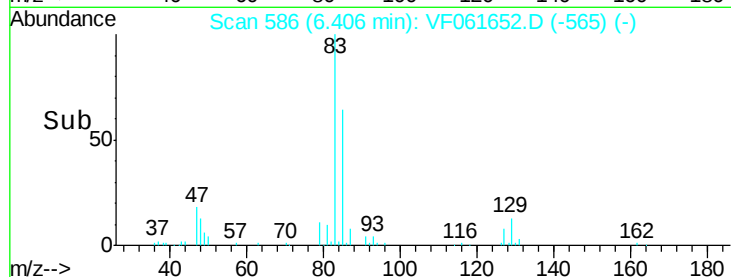
127 7.7 7.5 11.3



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: 11.427 ug/l

RT: 6.73 min Scan# 619

Delta R.T. 0.01 min

Lab File: VF061652.D

Acq: 15 Feb 2019 13:19

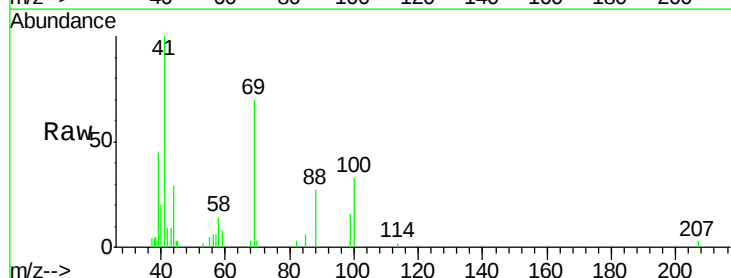
Tgt Ion: 41 Resp: 14889

Ion Ratio Lower Upper

41 100

69 69.7 60.4 90.6

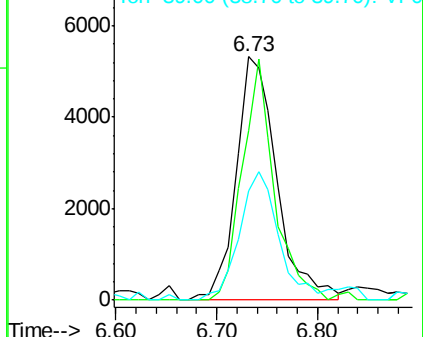
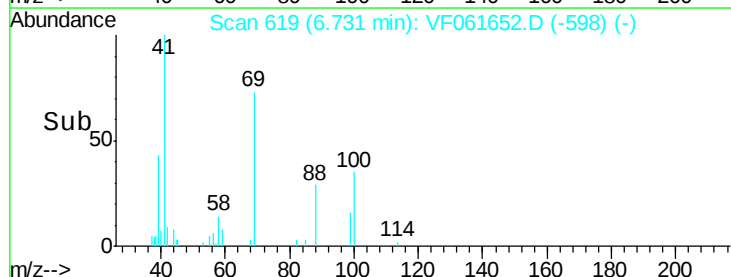
39 45.1 43.7 65.5

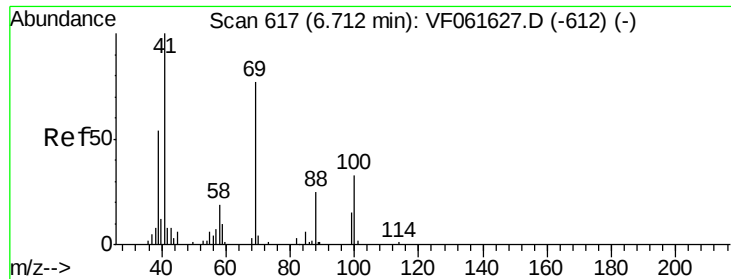


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 255.304 ug/l

RT: 6.73 min Scan# 619

Delta R.T. 0.02 min

Lab File: VF061652.D

Acq: 15 Feb 2019 13:19

Instrument :

MSVOA_F

ClientSampleId :

VF0215SBS01

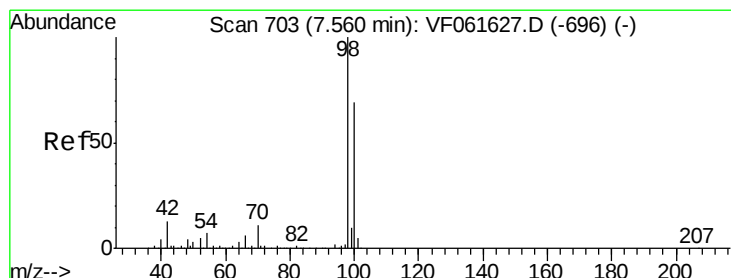
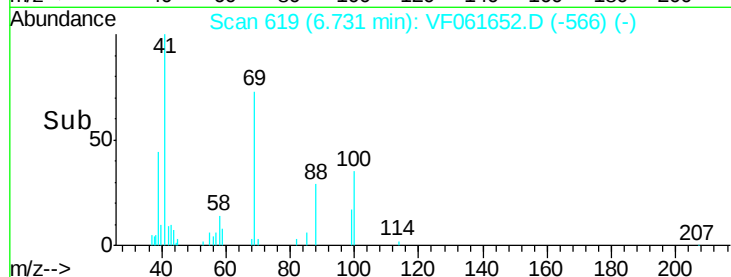
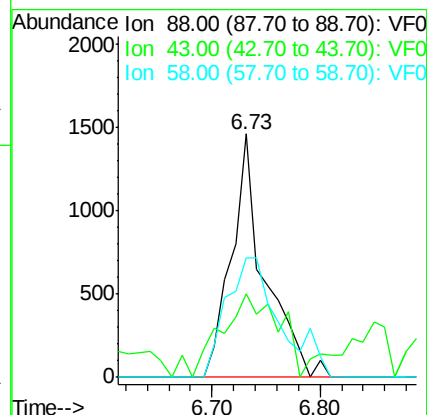
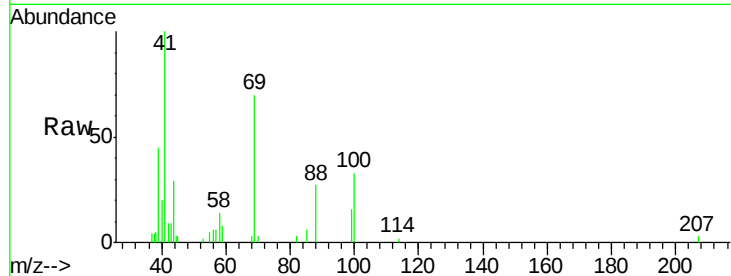
Tot Ion: 88 Resp: 3127

Ion Ratio Lower Upper

88 100

43 34.6 32.3 48.5

58 49.3 59.4 89.2#



#50

Toluene-d8

Concen: 50.666 ug/l

RT: 7.57 min Scan# 704

Delta R.T. 0.01 min

Lab File: VF061652.D

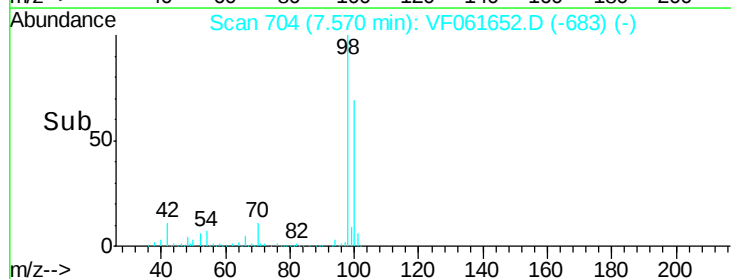
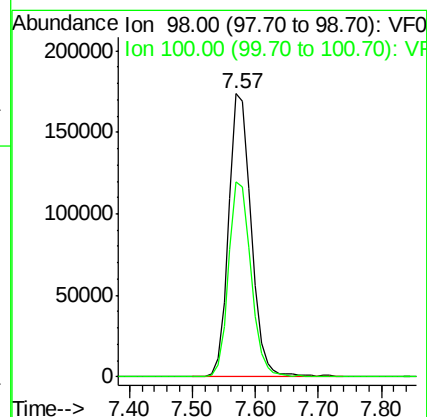
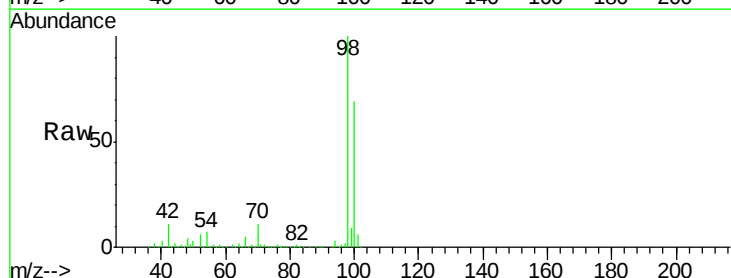
Acq: 15 Feb 2019 13:19

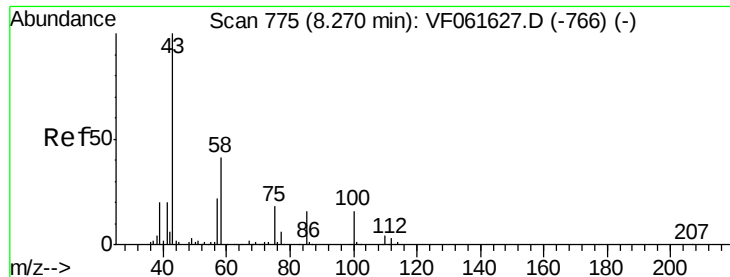
Tgt Ion: 98 Resp: 429973

Ion Ratio Lower Upper

98 100

100 69.1 55.4 83.2





#51

4-Methyl-2-Pentanone

Concen: 55.098 ug/l

RT: 8.28 min Scan# 776

Delta R.T. 0.01 min

Lab File: VF061652.D

Acq: 15 Feb 2019 13:19

Instrument :

MSVOA_F

ClientSampleId :

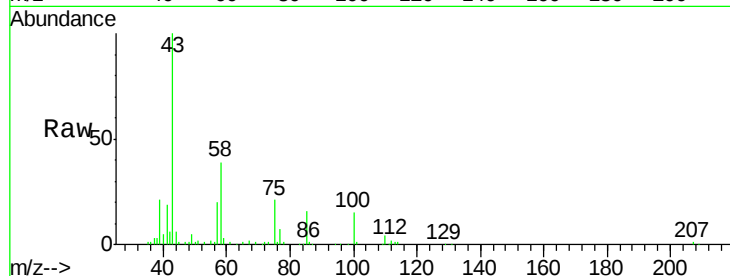
VF0215SBS01

Tot Ion: 43 Resp: 85237

Ion Ratio Lower Upper

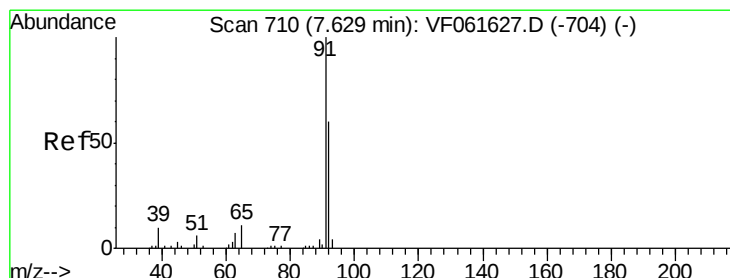
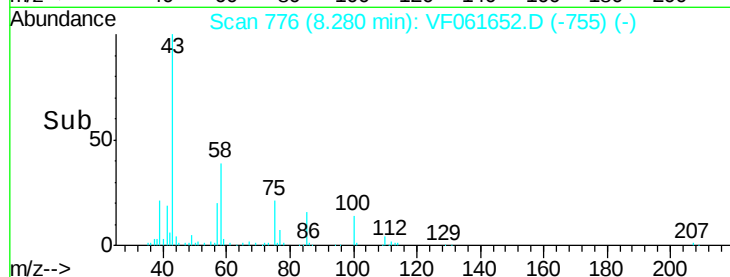
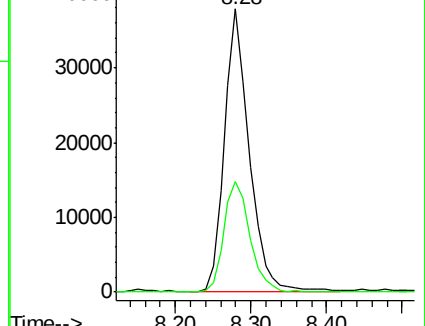
43 100

58 38.9 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 20.311 ug/l

RT: 7.65 min Scan# 712

Delta R.T. 0.02 min

Lab File: VF061652.D

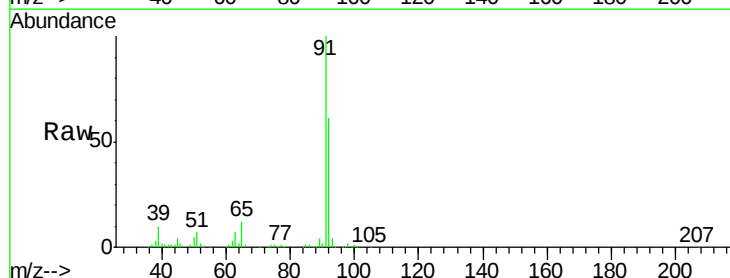
Acq: 15 Feb 2019 13:19

Tgt Ion: 92 Resp: 126881

Ion Ratio Lower Upper

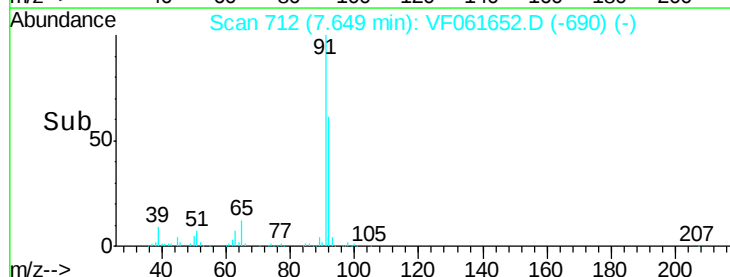
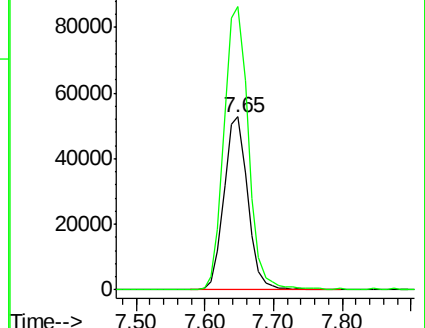
92 100

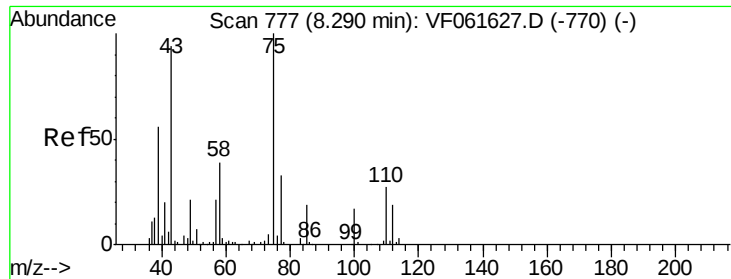
91 163.6 133.9 200.9



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: 15.677 ug/l

RT: 8.30 min Scan# 778

Delta R.T. 0.01 min

Lab File: VF061652.D

Acq: 15 Feb 2019 13:19

Instrument :

MSVOA_F

ClientSampleId :

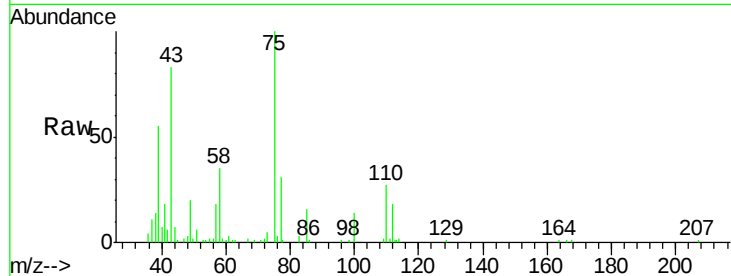
VF0215SBSD01

Tot Ion: 75 Resp: 43802

Ion Ratio Lower Upper

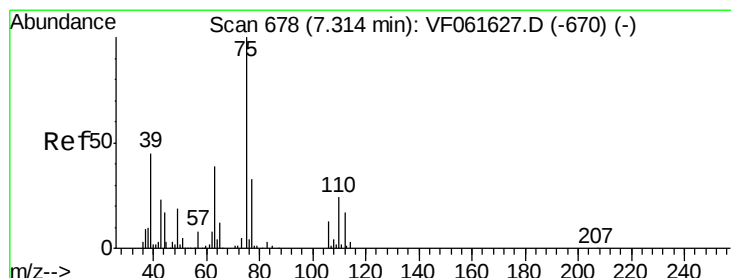
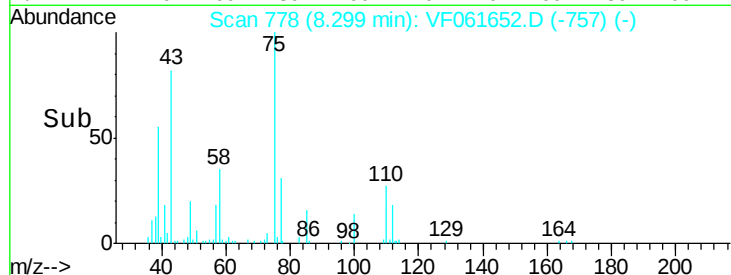
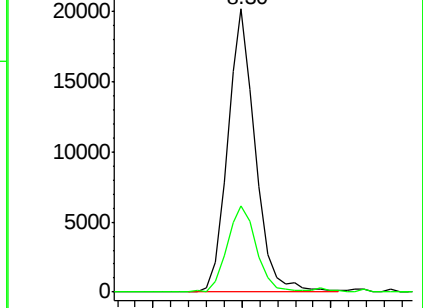
75 100

77 30.5 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 16.934 ug/l

RT: 7.32 min Scan# 679

Delta R.T. 0.01 min

Lab File: VF061652.D

Acq: 15 Feb 2019 13:19

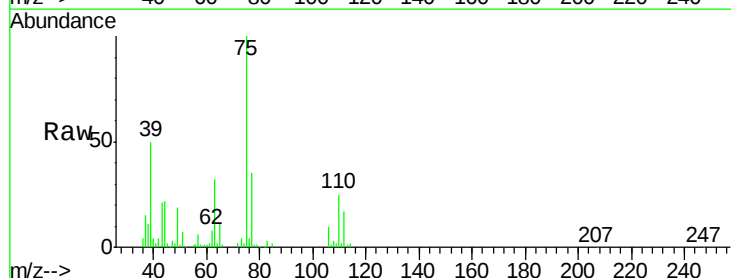
Tgt Ion: 75 Resp: 63021

Ion Ratio Lower Upper

75 100

77 35.4 26.4 39.6

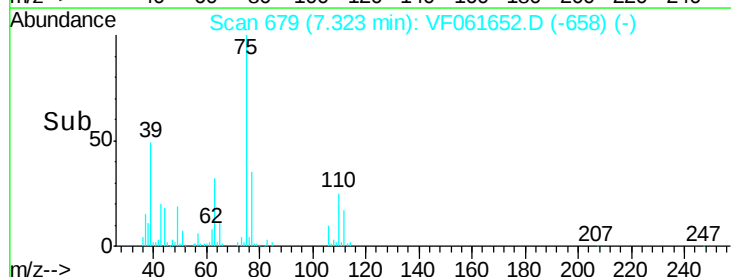
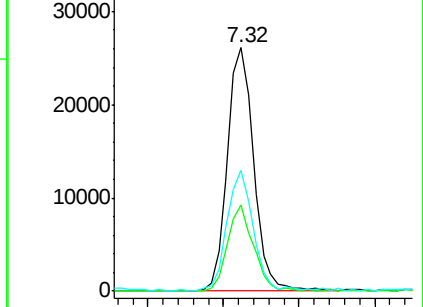
39 49.5 36.0 54.0

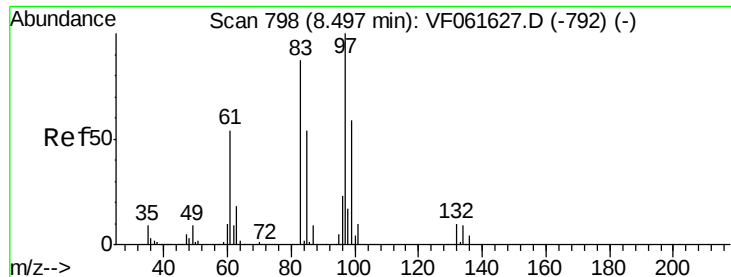


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 14.242 ug/l

RT: 8.51 min Scan# 799

Delta R.T. 0.01 min

Lab File: VF061652.D

Acq: 15 Feb 2019 13:19

Instrument :

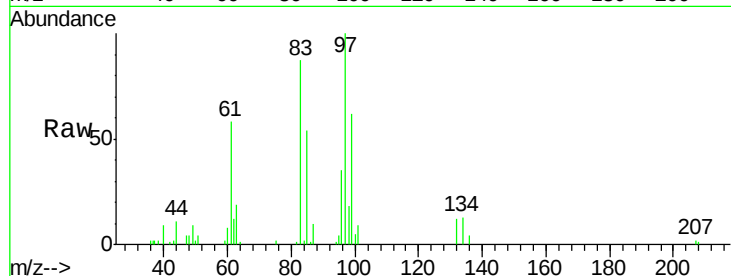
MSVOA_F

ClientSampleId :

VF0215SBS01

Tot Ion: 97 Resp: 26141

Ion	Ratio	Lower	Upper
97	100		
83	87.2	69.2	103.8
85	54.2	43.0	64.4
99	62.0	47.2	70.8

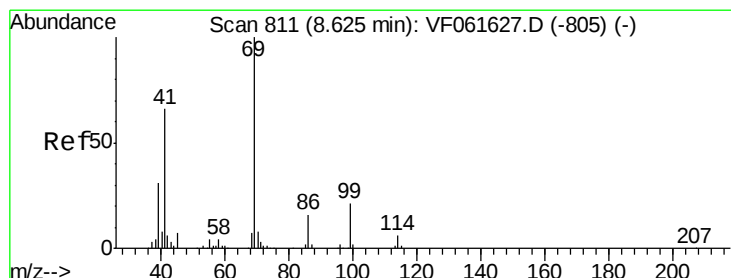
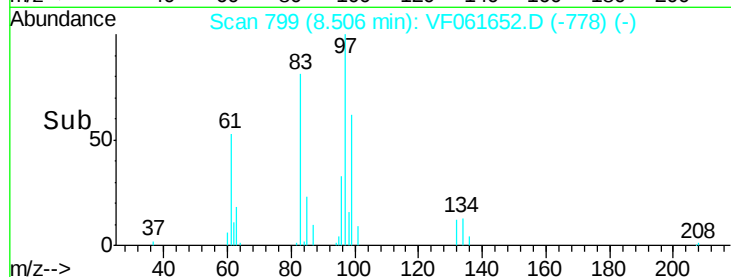


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 12.206 ug/l

RT: 8.64 min Scan# 813

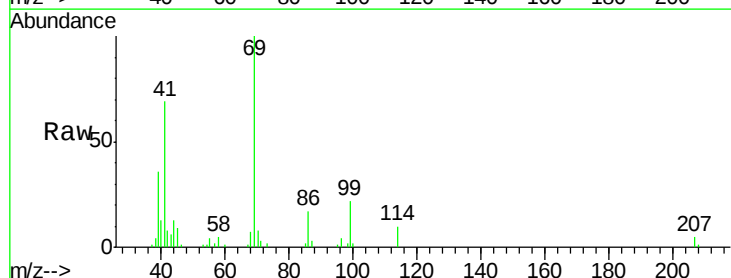
Delta R.T. 0.02 min

Lab File: VF061652.D

Acq: 15 Feb 2019 13:19

Tgt Ion: 69 Resp: 24943

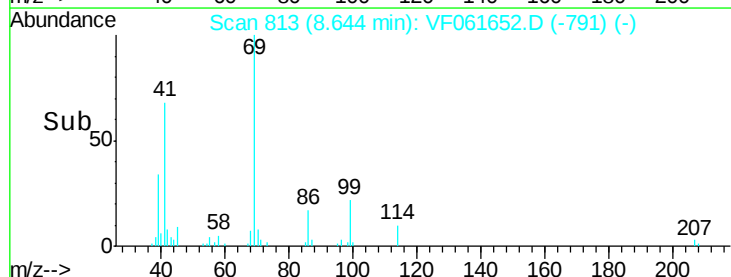
Ion	Ratio	Lower	Upper
69	100		
41	69.3	52.9	79.3
39	35.8	24.5	36.7

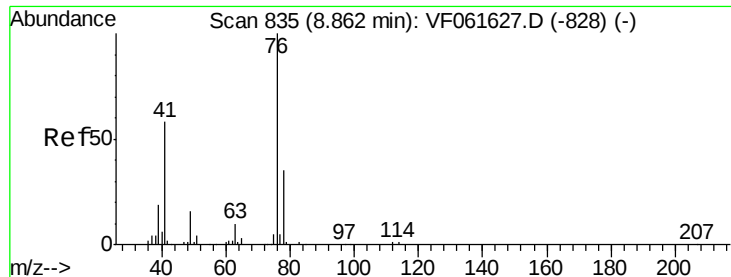


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 13.781 ug/l

RT: 8.87 min Scan# 836

Delta R.T. 0.01 min

Lab File: VF061652.D

Acq: 15 Feb 2019 13:19

Instrument :

MSVOA_F

ClientSampleId :

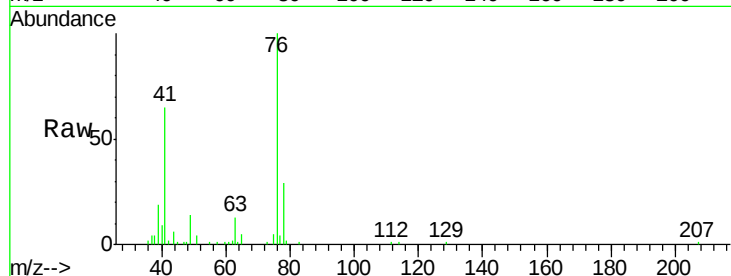
VF0215SBSD01

Tot Ion: 76 Resp: 42218

Ion Ratio Lower Upper

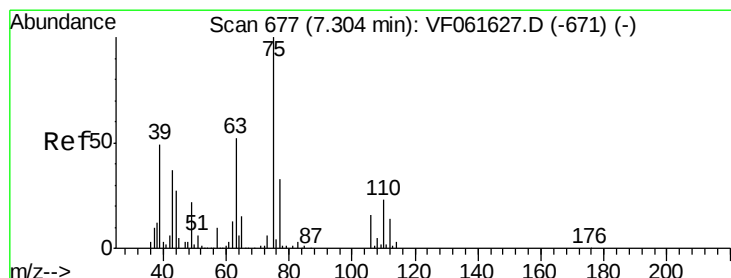
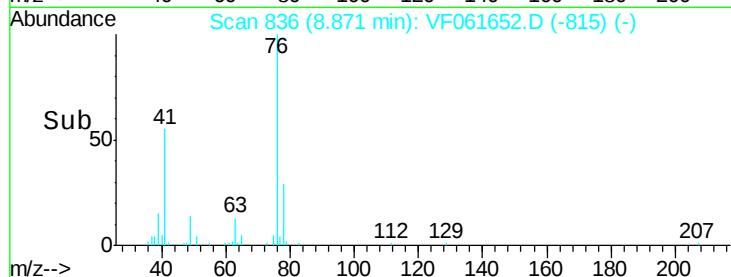
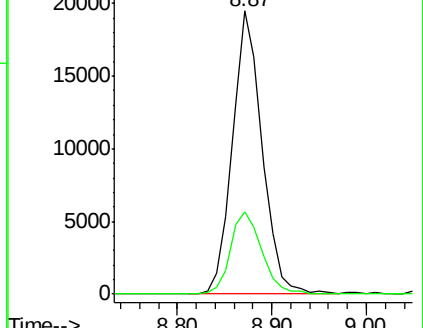
76 100

78 29.2 27.8 41.6



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 60.579 ug/l

RT: 7.31 min Scan# 678

Delta R.T. 0.01 min

Lab File: VF061652.D

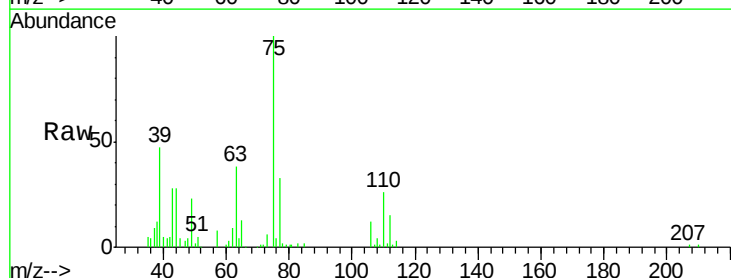
Acq: 15 Feb 2019 13:19

Tgt Ion: 63 Resp: 21359

Ion Ratio Lower Upper

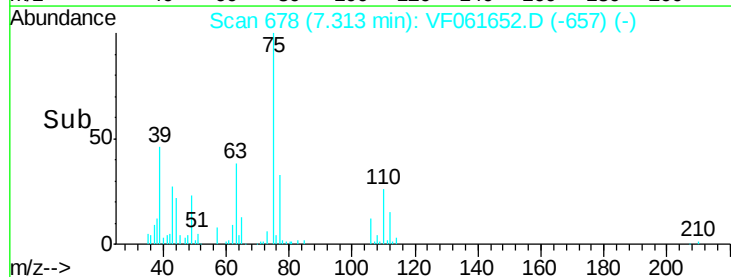
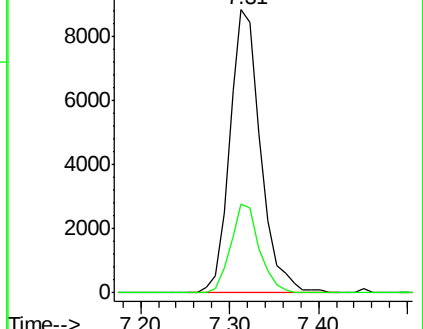
63 100

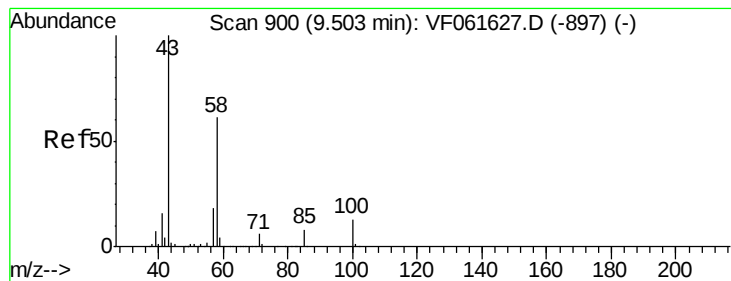
106 31.6 24.6 36.8



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





#59

2-Hexanone

Concen: 56.167 ug/l

RT: 9.51 min Scan# 901

Delta R.T. 0.01 min

Lab File: VF061652.D

Acq: 15 Feb 2019 13:19

Instrument :

MSVOA_F

ClientSampleId :

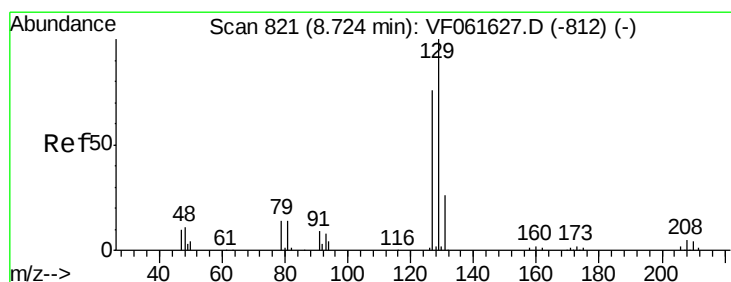
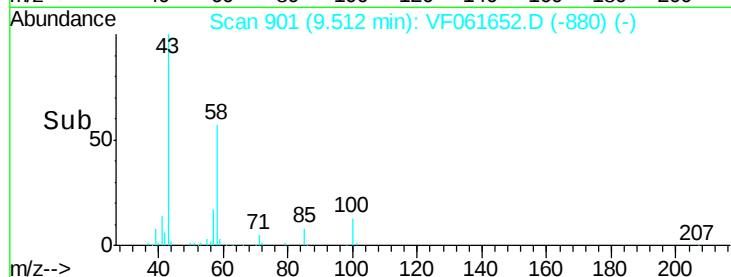
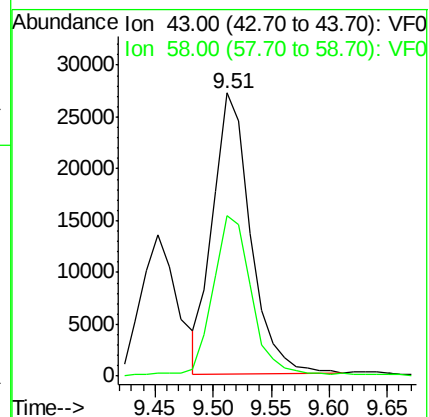
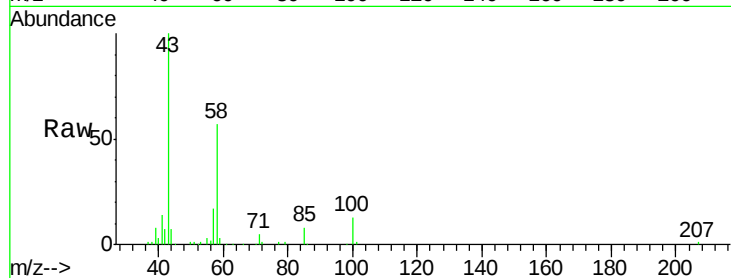
VF0215SBSD01

Tot Ion: 43 Resp: 60909

Ion Ratio Lower Upper

43 100

58 56.8 28.5 85.5



#60

Dibromochloromethane

Concen: 14.318 ug/l

RT: 8.73 min Scan# 822

Delta R.T. 0.01 min

Lab File: VF061652.D

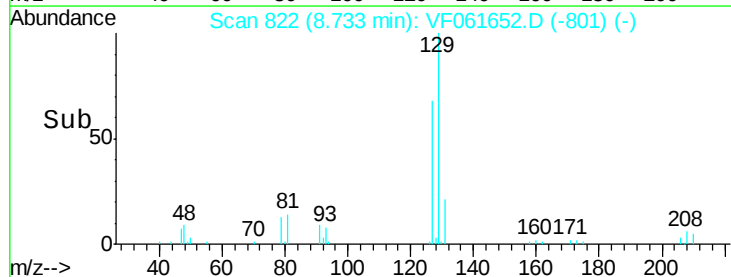
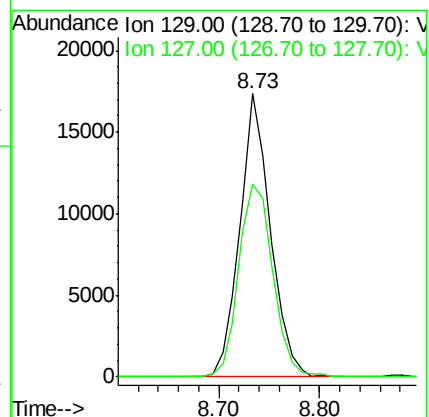
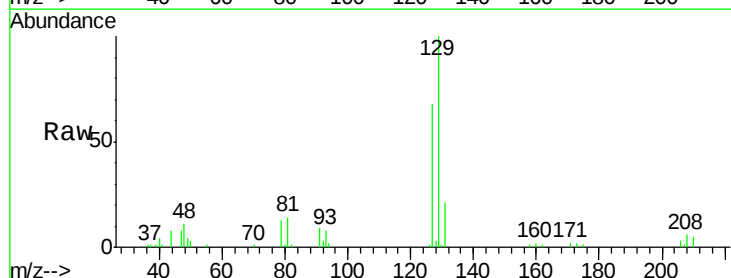
Acq: 15 Feb 2019 13:19

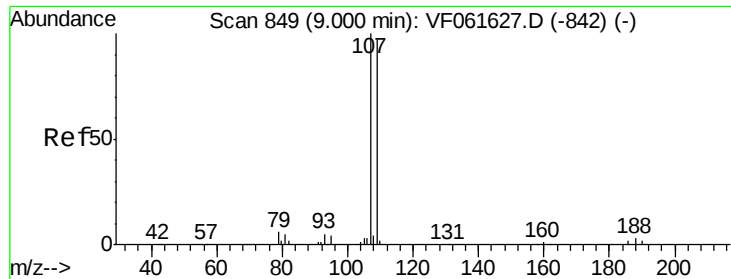
Tgt Ion: 129 Resp: 36579

Ion Ratio Lower Upper

129 100

127 68.2 37.8 113.4





#61

1,2-Dibromoethane

Concen: 14.206 ug/l

RT: 9.01 min Scan# 850

Delta R.T. 0.01 min

Lab File: VF061652.D

Acq: 15 Feb 2019 13:19

Instrument :

MSVOA_F

ClientSampleId :

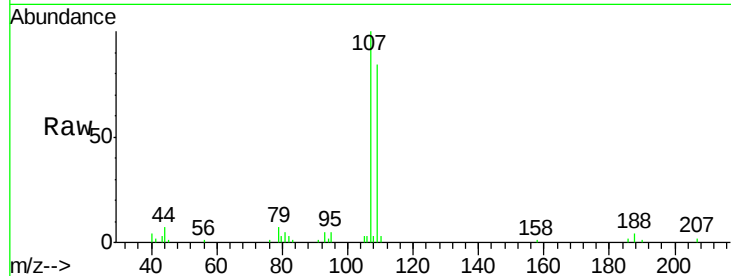
VF0215SBS01

Tot Ion:107 Resp: 28281

Ion Ratio Lower Upper

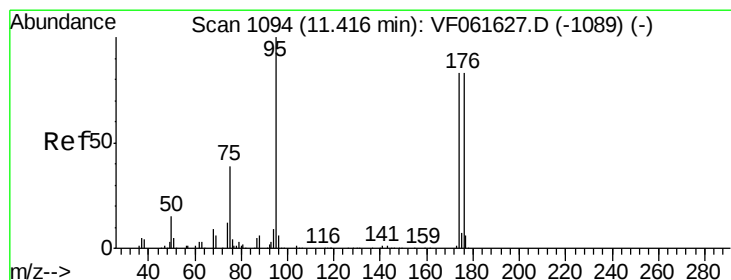
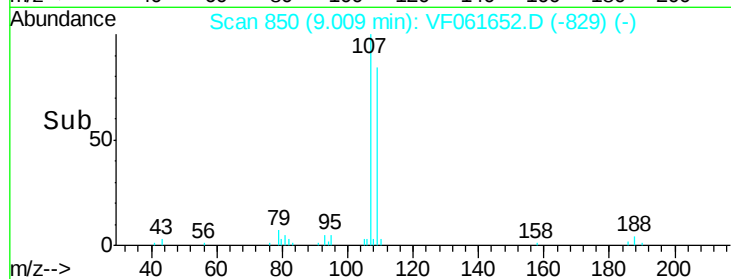
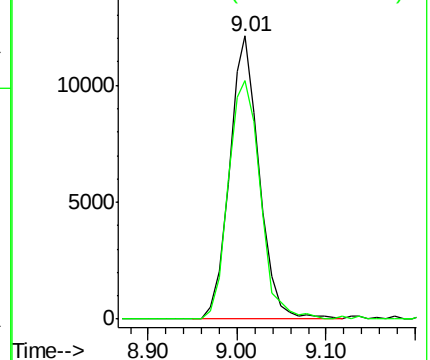
107 100

109 84.4 77.4 116.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 44.373 ug/l

RT: 11.43 min Scan# 1095

Delta R.T. 0.01 min

Lab File: VF061652.D

Acq: 15 Feb 2019 13:19

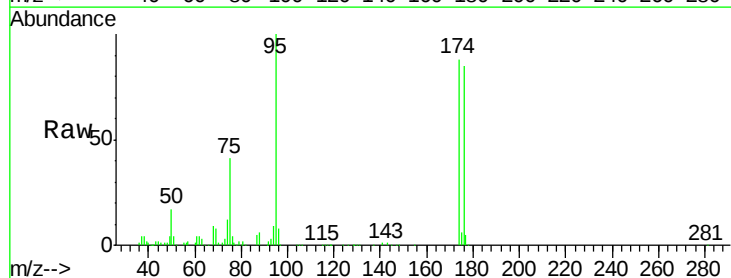
Tgt Ion: 95 Resp: 152365

Ion Ratio Lower Upper

95 100

174 88.1 0.0 165.8

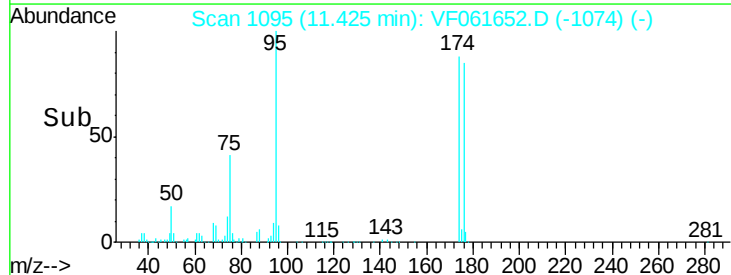
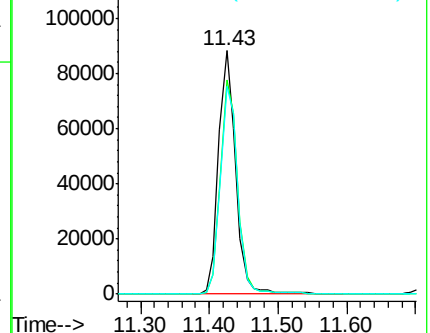
176 85.4 0.0 167.0

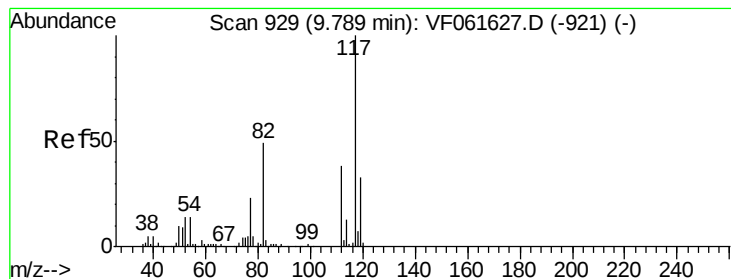


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.80 min Scan# 930

Delta R.T. 0.01 min

Lab File: VF061652.D

Acq: 15 Feb 2019 13:19

Instrument :

MSVOA_F

ClientSampleId :

VF0215SBS01

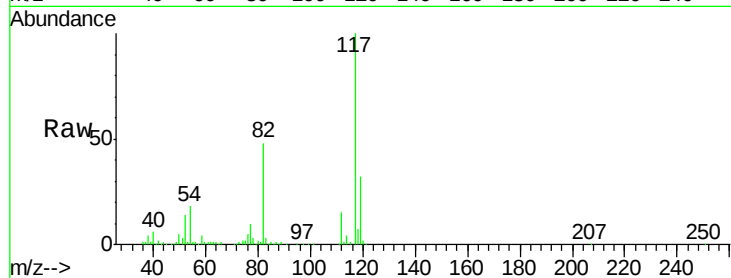
Tot Ion:117 Resp: 320412

Ion Ratio Lower Upper

117 100

82 48.5 39.3 58.9

119 32.4 26.6 40.0

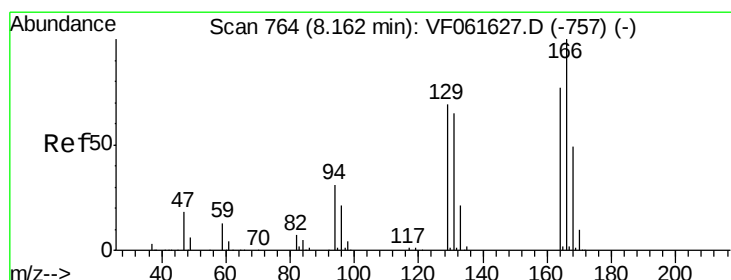
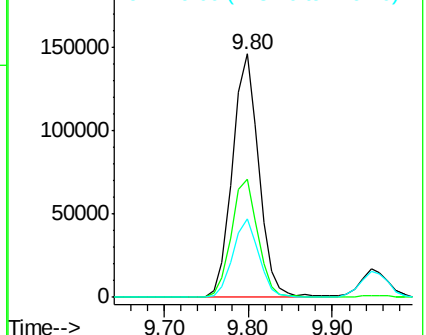
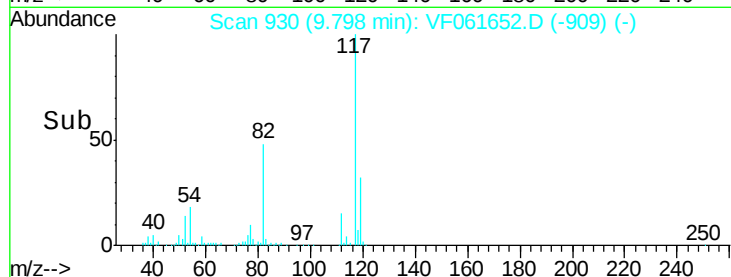


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 23.286 ug/l

RT: 8.17 min Scan# 765

Delta R.T. 0.01 min

Lab File: VF061652.D

Acq: 15 Feb 2019 13:19

Tgt Ion:164 Resp: 60985

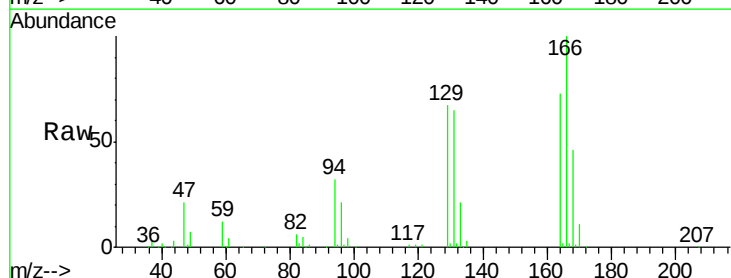
Ion Ratio Lower Upper

164 100

166 136.3 103.9 155.9

129 91.5 71.3 106.9

131 89.0 67.1 100.7



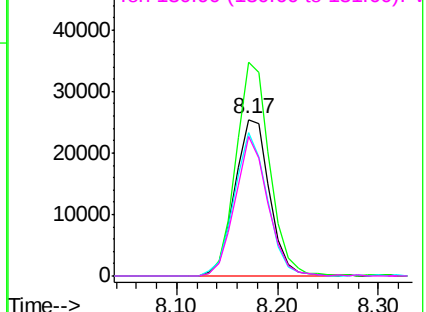
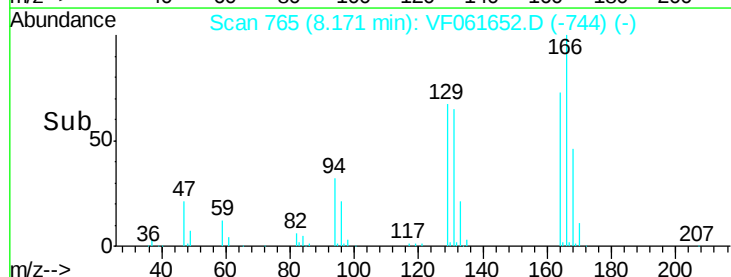
Abundance

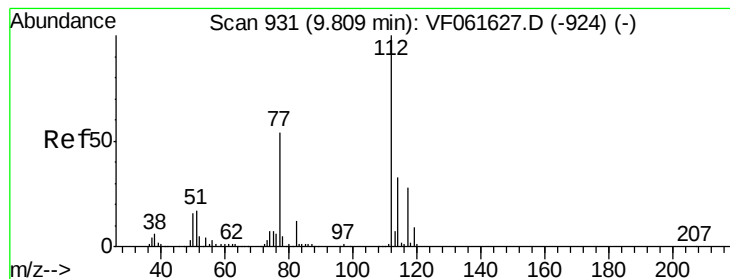
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 20.924 ug/l

RT: 9.82 min Scan# 932

Delta R.T. 0.01 min

Lab File: VF061652.D

Acq: 15 Feb 2019 13:19

Instrument :

MSVOA_F

ClientSampleId :

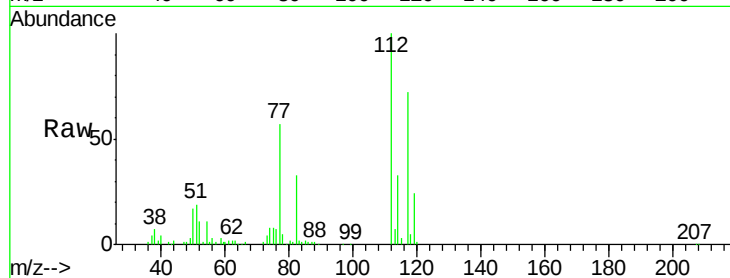
VF0215SBSD01

Tot Ion:112 Resp: 136043

Ion Ratio Lower Upper

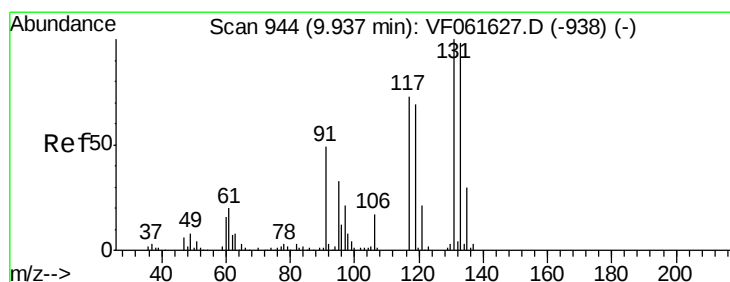
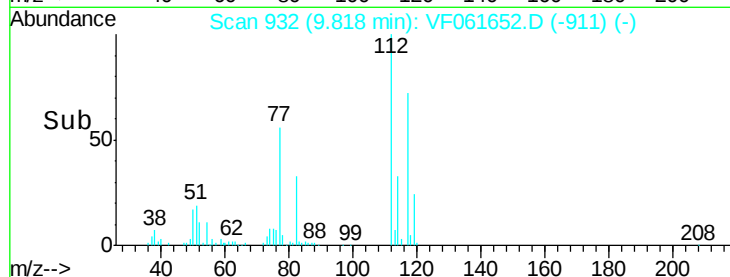
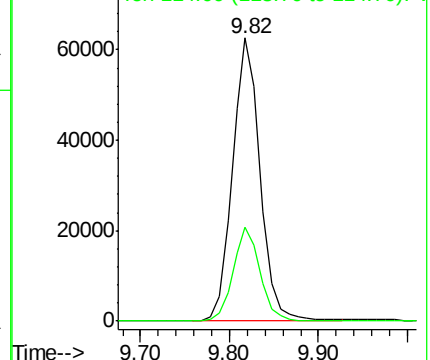
112 100

114 33.1 26.2 39.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.623 ug/l

RT: 9.96 min Scan# 946

Delta R.T. 0.02 min

Lab File: VF061652.D

Acq: 15 Feb 2019 13:19

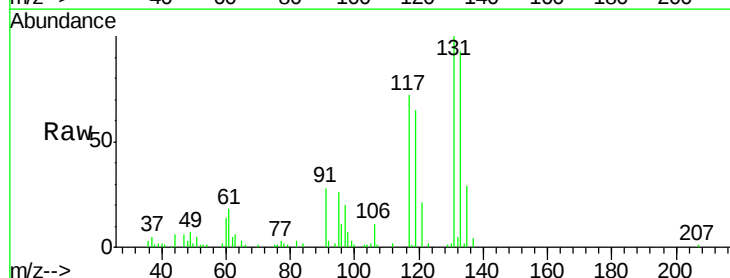
Tgt Ion:131 Resp: 49994

Ion Ratio Lower Upper

131 100

133 92.7 48.9 146.6

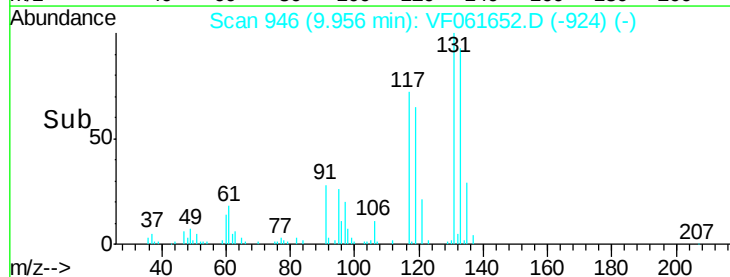
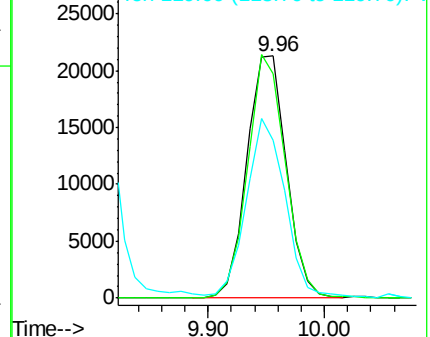
119 65.2 34.8 104.3

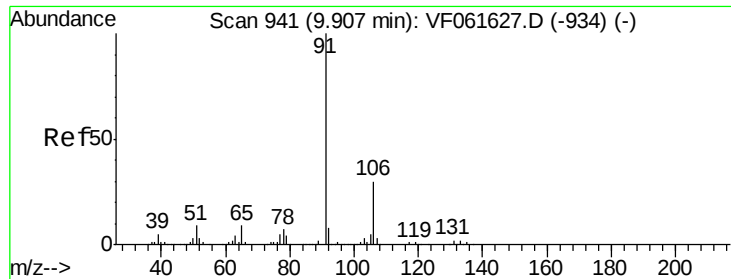


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

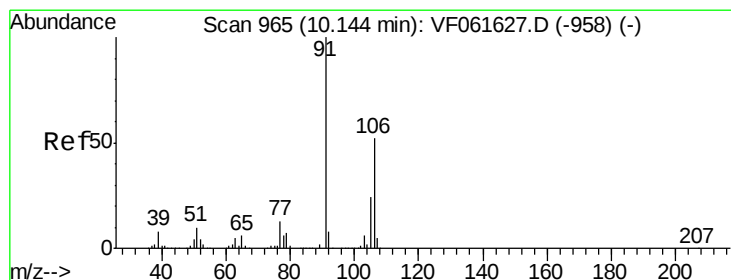
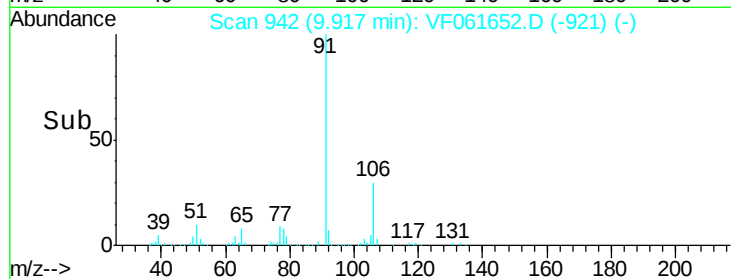
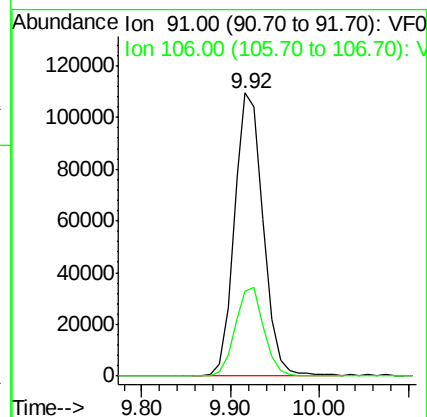
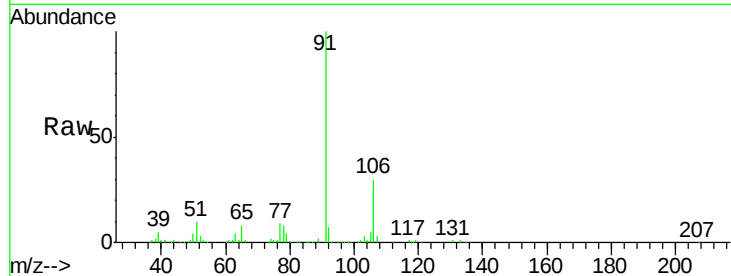




#67
Ethyl Benzene
Concen: 22.881 ug/l
RT: 9.92 min Scan# 942
Delta R.T. 0.01 min
Lab File: VF061652.D
Acq: 15 Feb 2019 13:19

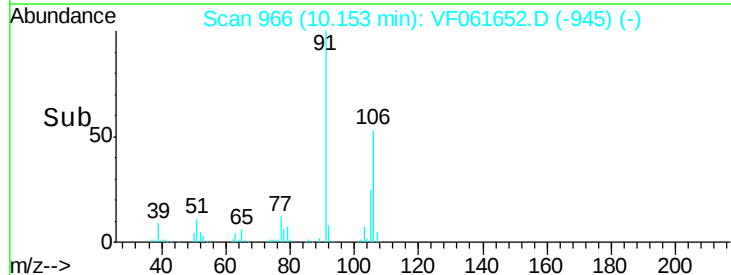
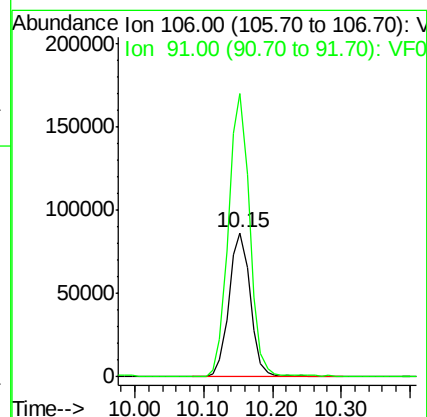
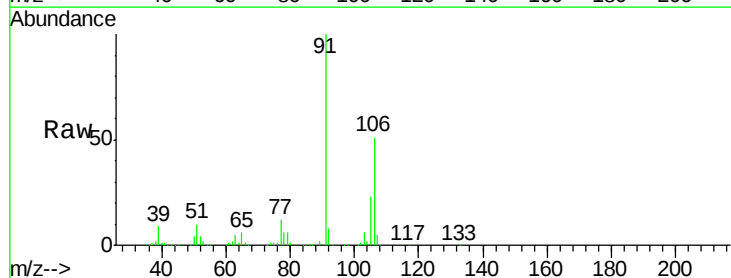
Instrument :
MSVOA_F
ClientSampleId :
VF0215SBSD01

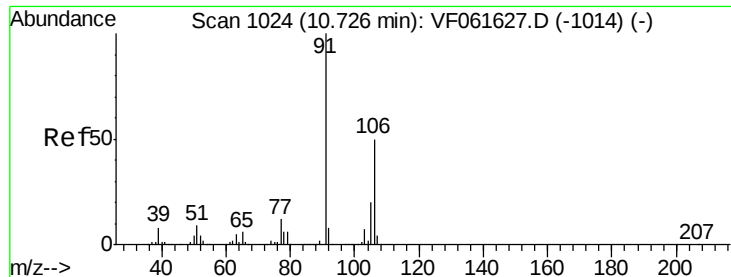
Tot Ion: 91 Resp: 247402
Ion Ratio Lower Upper
91 100
106 30.2 24.1 36.1



#68
m/p-Xylenes
Concen: 45.278 ug/l
RT: 10.15 min Scan# 966
Delta R.T. 0.01 min
Lab File: VF061652.D
Acq: 15 Feb 2019 13:19

Tgt Ion: 106 Resp: 187367
Ion Ratio Lower Upper
106 100
91 196.4 153.0 229.6

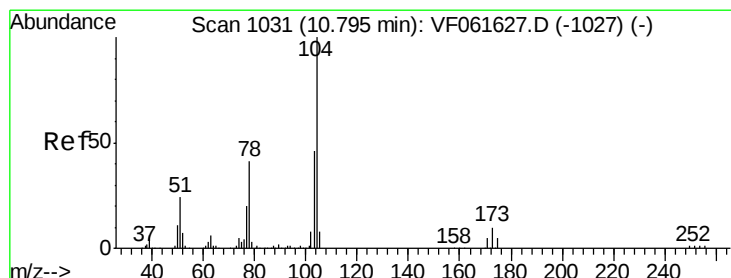
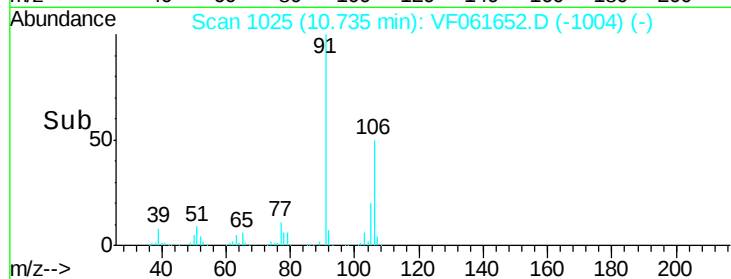
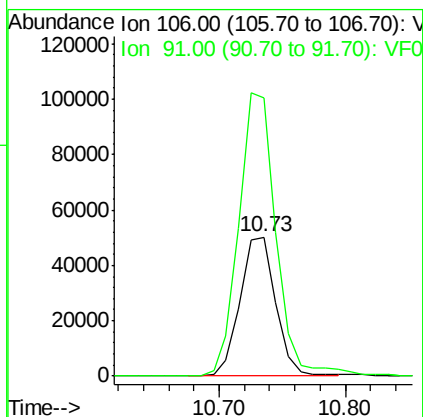
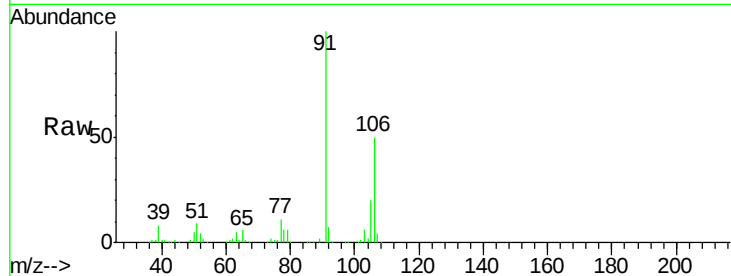




#69
o-Xylene
Concen: 22.353 ug/l
RT: 10.73 min Scan# 1025
Delta R.T. 0.01 min
Lab File: VF061652.D
Acq: 15 Feb 2019 13:19

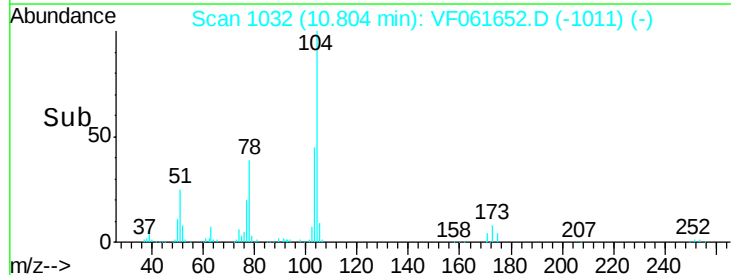
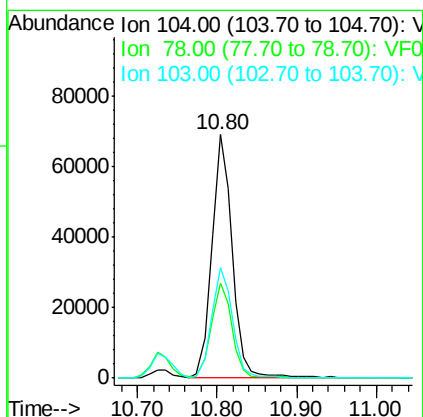
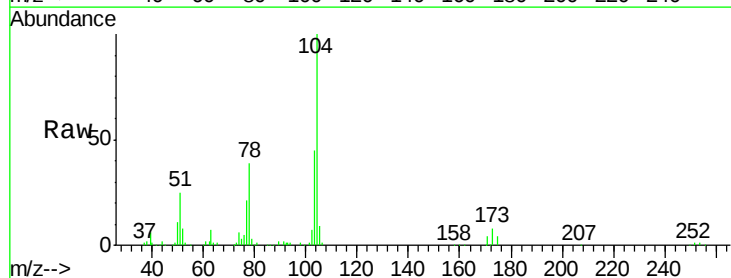
Instrument :
MSVOA_F
ClientSampleId :
VF0215SBS01

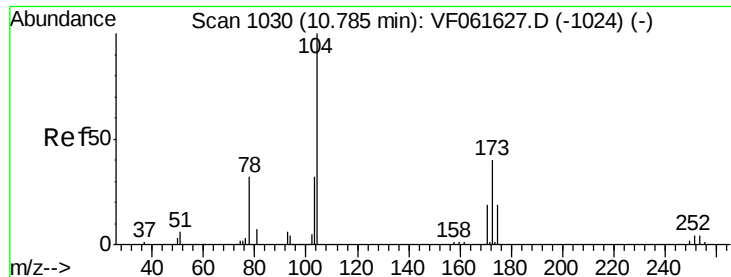
Tot Ion:106 Resp: 98701
Ion Ratio Lower Upper
106 100
91 200.6 100.1 300.1



#70
Styrene
Concen: 19.950 ug/l
RT: 10.80 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VF061652.D
Acq: 15 Feb 2019 13:19

Tgt Ion:104 Resp: 124622
Ion Ratio Lower Upper
104 100
78 39.0 33.2 49.8
103 45.1 37.2 55.8

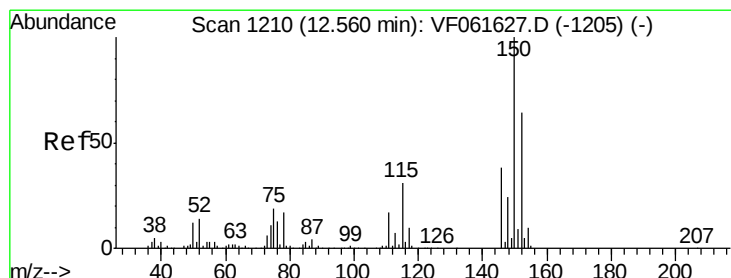
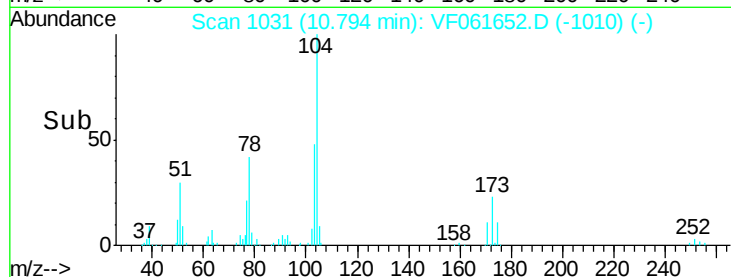
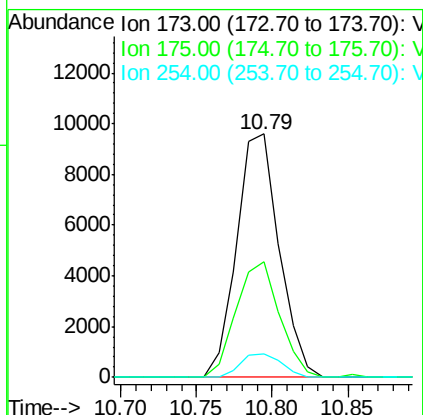
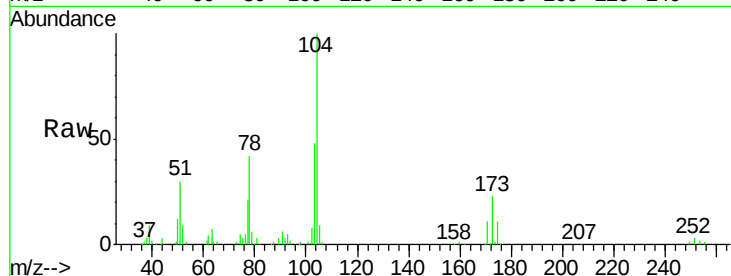




#71
Bromoform
Concen: 13.593 ug/l
RT: 10.79 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VF061652.D
Acq: 15 Feb 2019 13:19

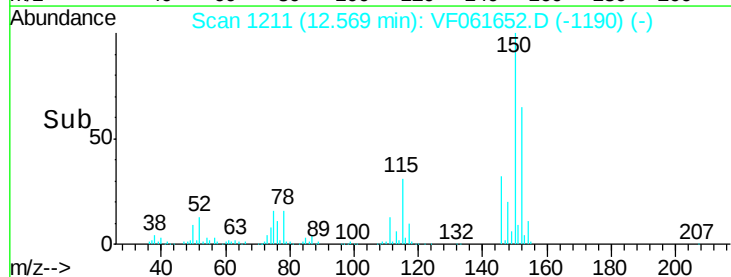
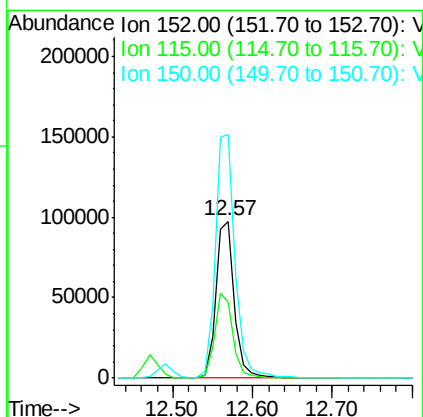
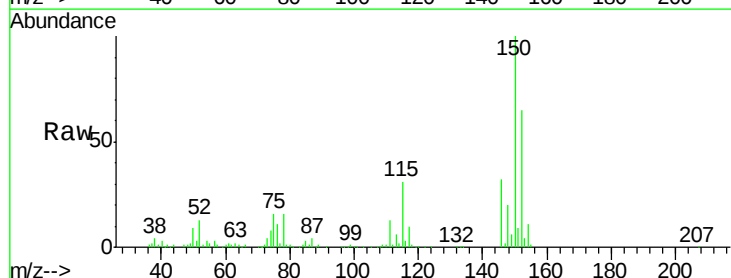
Instrument :
MSVOA_F
ClientSampleId :
VF0215SBSD01

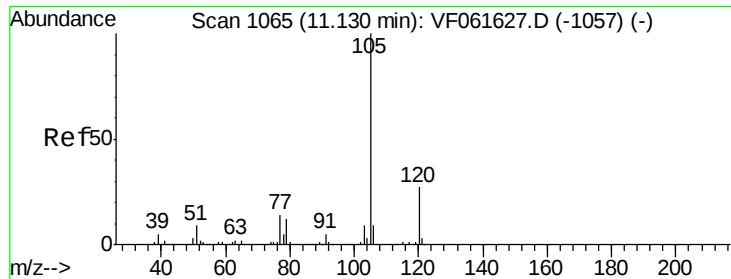
Tot Ion:173 Resp: 18806
Ion Ratio Lower Upper
173 100
175 47.6 24.0 72.0
254 9.8 8.2 12.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.57 min Scan# 1211
Delta R.T. 0.01 min
Lab File: VF061652.D
Acq: 15 Feb 2019 13:19

Tgt Ion:152 Resp: 159193
Ion Ratio Lower Upper
152 100
115 48.5 24.3 72.8
150 154.9 0.0 312.0





#73

Isopropylbenzene

Concen: 27.430 ug/l

RT: 11.14 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VF061652.D

Acq: 15 Feb 2019 13:19

Instrument :

MSVOA_F

ClientSampleId :

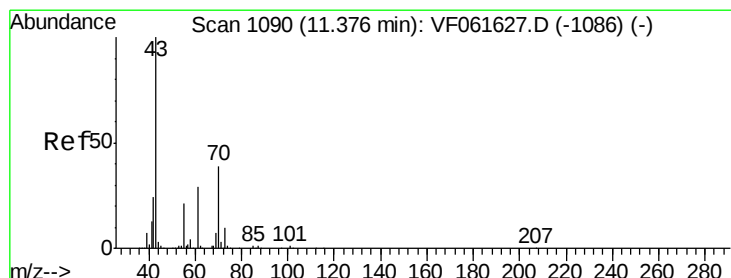
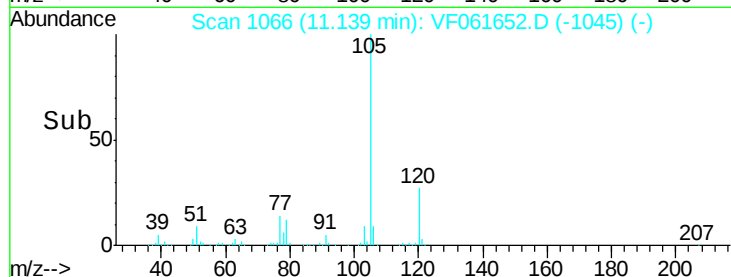
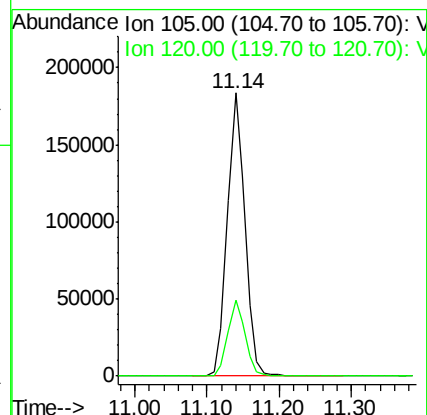
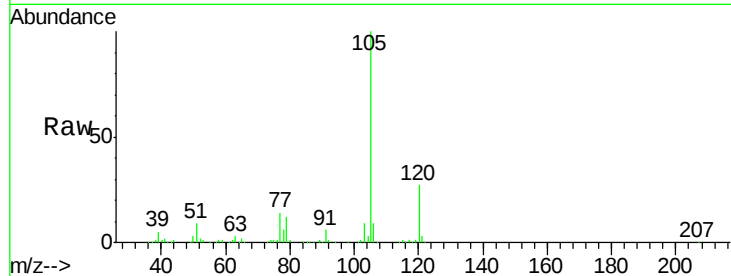
VF0215SBS01

Tot Ion:105 Resp: 310896

Ion Ratio Lower Upper

105 100

120 27.0 13.4 40.1



#74

N-ethyl acetate

Concen: 13.165 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VF061652.D

Acq: 15 Feb 2019 13:19

Tgt Ion: 43 Resp: 35814

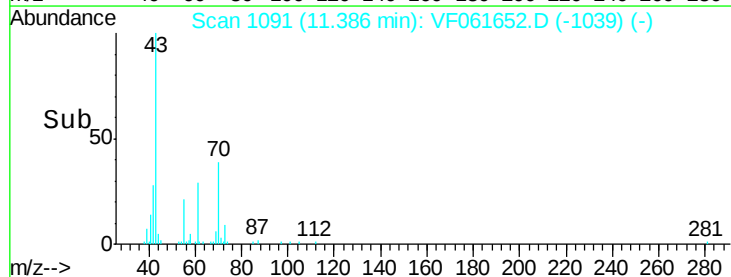
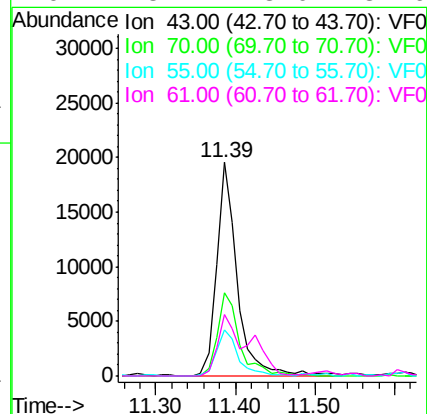
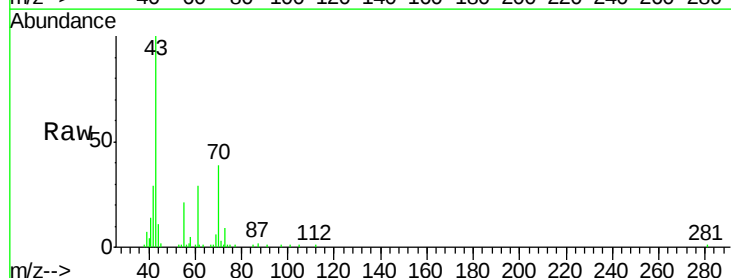
Ion Ratio Lower Upper

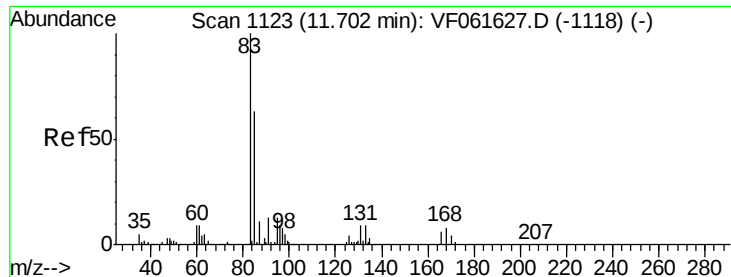
43 100

70 39.1 31.5 47.3

55 21.4 16.7 25.1

61 28.7 23.0 34.6





#75

1,1,2,2-Tetrachloroethane

Concen: 14.173 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VF061652.D

Acq: 15 Feb 2019 13:19

Instrument :

MSVOA_F

ClientSampleId :

VF0215SBS01

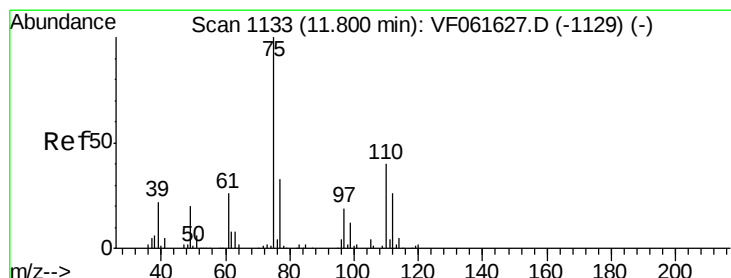
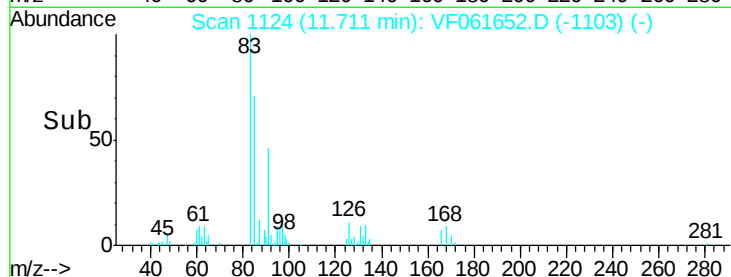
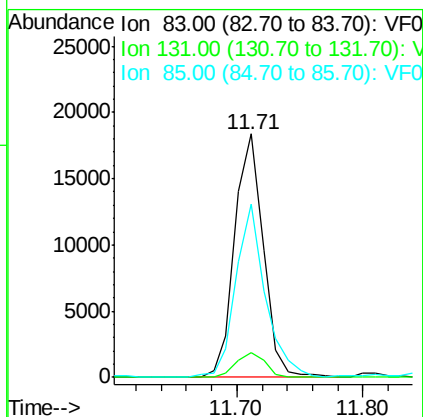
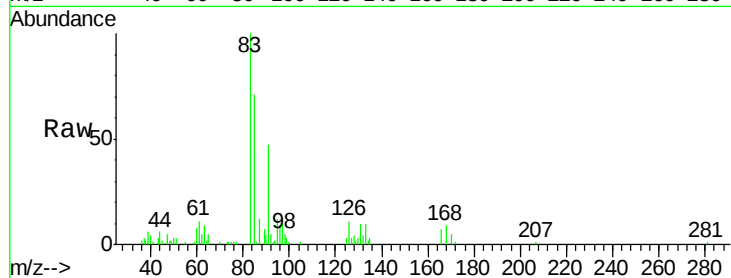
Tot Ion: 83 Resp: 28779

Ion Ratio Lower Upper

83 100

131 10.2 4.4 13.2

85 71.0 31.5 94.5



#76

1,2,3-Trichloropropane

Concen: 14.873 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. 0.01 min

Lab File: VF061652.D

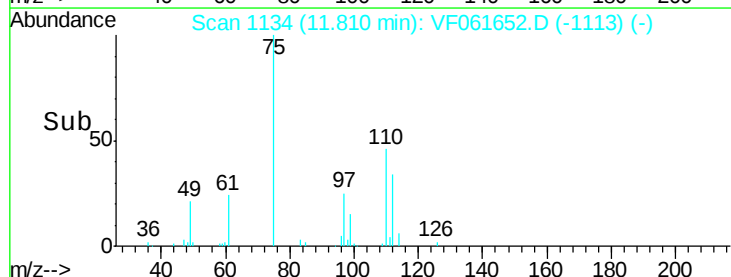
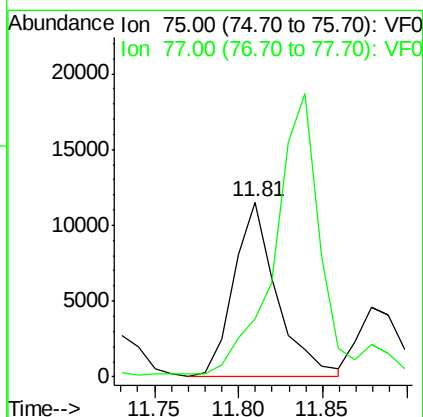
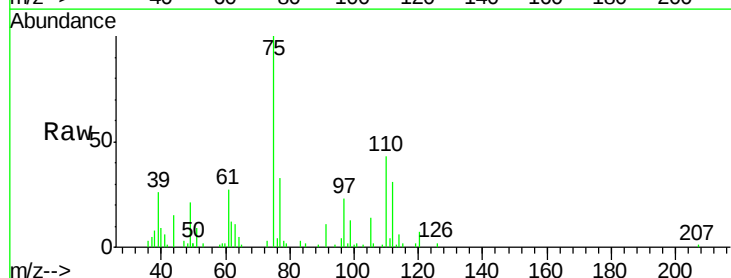
Acq: 15 Feb 2019 13:19

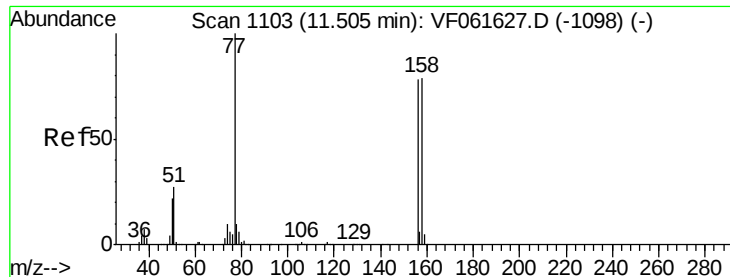
Tgt Ion: 75 Resp: 20533

Ion Ratio Lower Upper

75 100

77 32.9 16.6 49.7





#77

Bromobenzene

Concen: 20.679 ug/l

RT: 11.51 min Scan# 1104

Delta R.T. 0.01 min

Lab File: VF061652.D

Acq: 15 Feb 2019 13:19

Instrument :

MSVOA_F

ClientSampleId :

VF0215SBS01

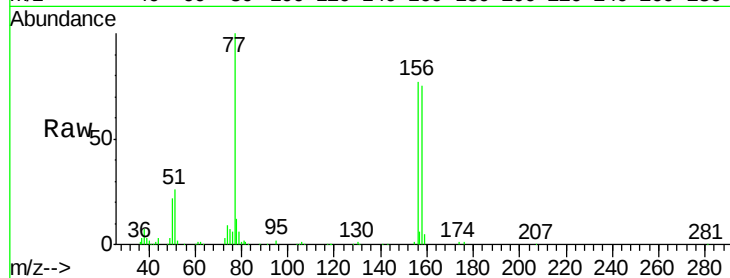
Tot Ion:156 Resp: 57902

Ion Ratio Lower Upper

156 100

77 130.6 64.3 192.7

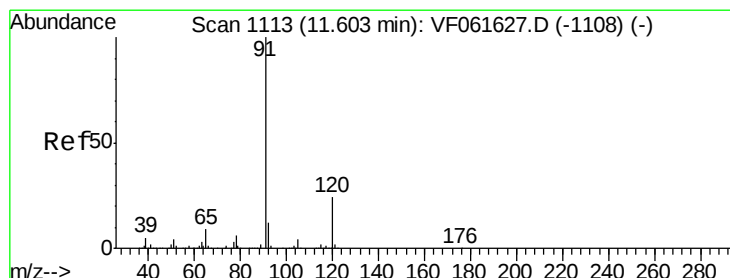
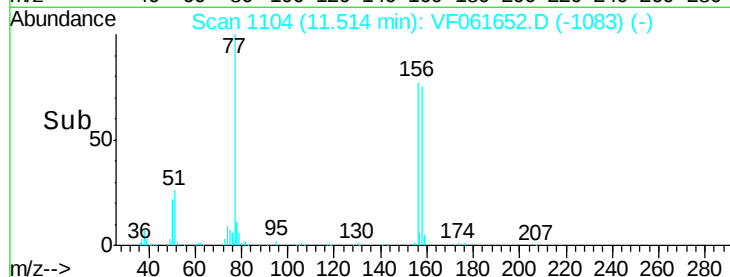
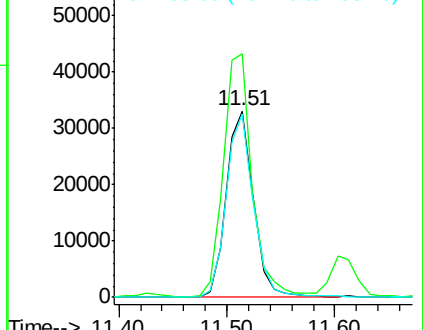
158 98.5 50.9 152.7



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: 27.290 ug/l

RT: 11.61 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VF061652.D

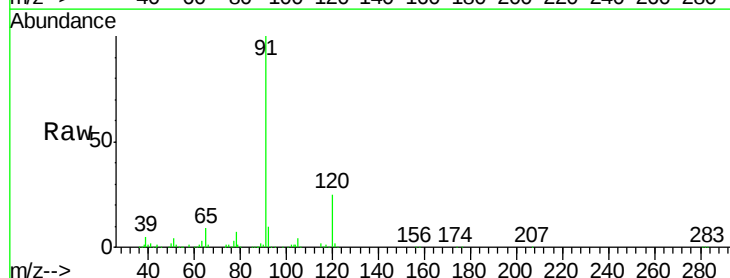
Acq: 15 Feb 2019 13:19

Tgt Ion: 91 Resp: 354943

Ion Ratio Lower Upper

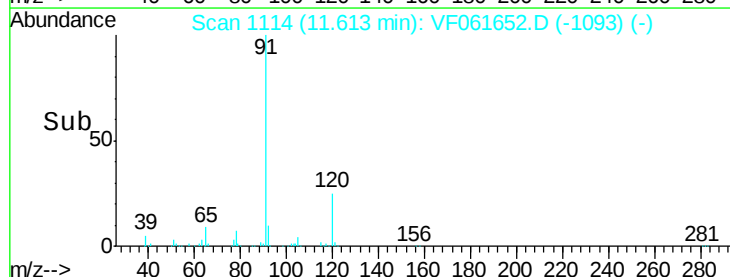
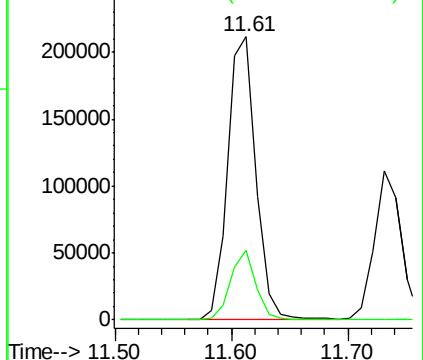
91 100

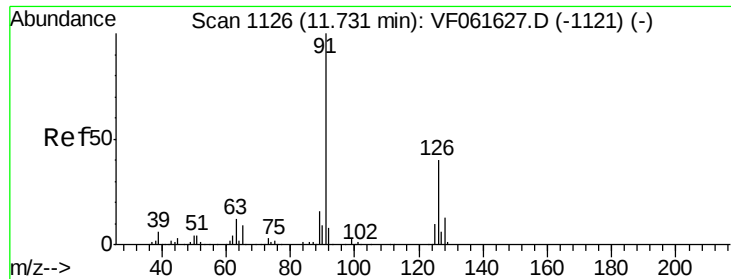
120 24.6 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

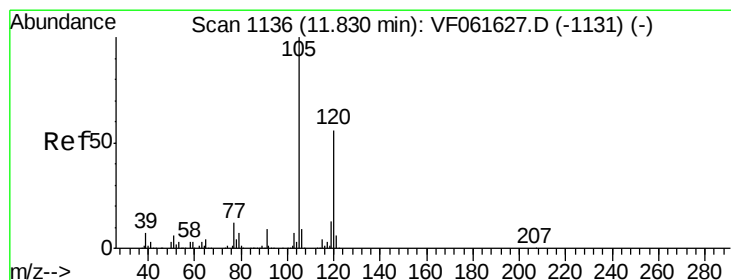
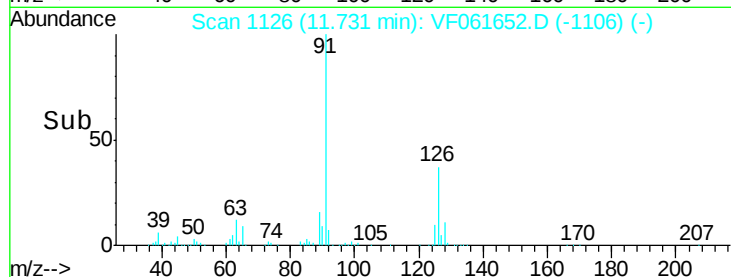
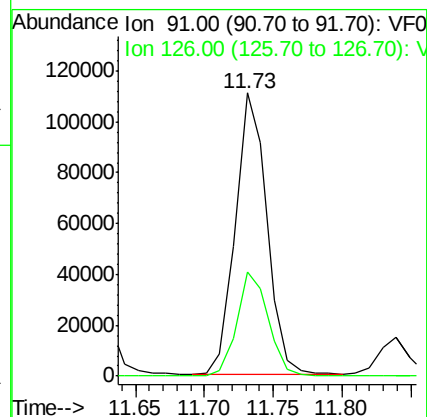
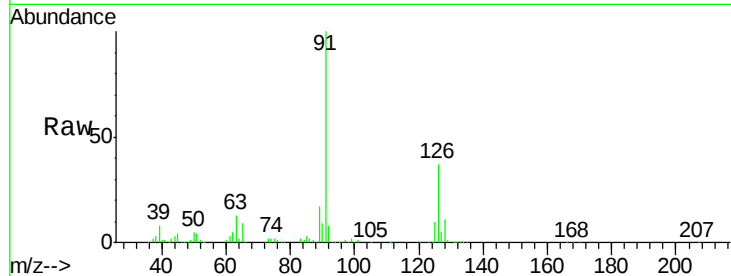




#79
 2-Chlorotoluene
 Concen: 24.236 ug/l
 RT: 11.73 min Scan# 1126
 Delta R.T. -0.00 min
 Lab File: VF061652.D
 Acq: 15 Feb 2019 13:19

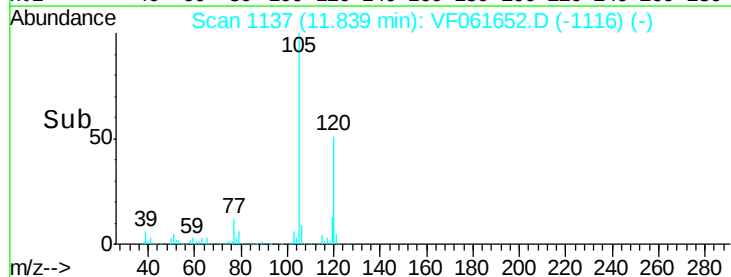
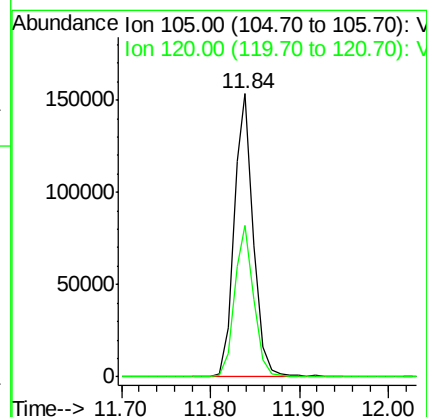
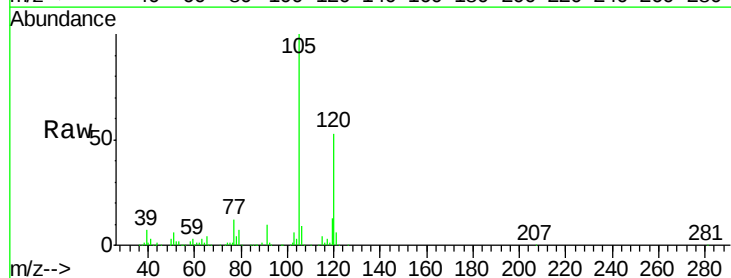
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0215SBSD01

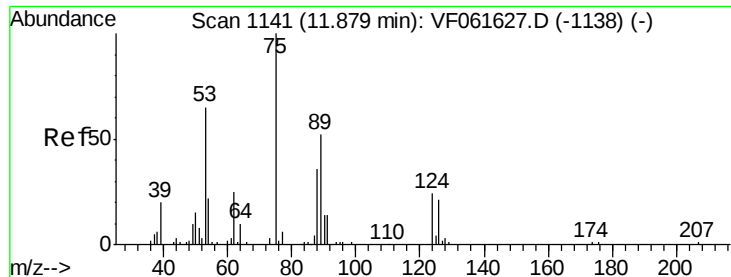
Tot Ion: 91 Resp: 176540
 Ion Ratio Lower Upper
 91 100
 126 36.6 19.8 59.4



#80
 1,3,5-Trimethylbenzene
 Concen: 25.831 ug/l
 RT: 11.84 min Scan# 1137
 Delta R.T. 0.01 min
 Lab File: VF061652.D
 Acq: 15 Feb 2019 13:19

Tgt Ion:105 Resp: 233993
 Ion Ratio Lower Upper
 105 100
 120 53.4 27.9 83.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.376 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF061652.D

Acq: 15 Feb 2019 13:19

Instrument :

MSVOA_F

ClientSampleId :

VF0215SBSD01

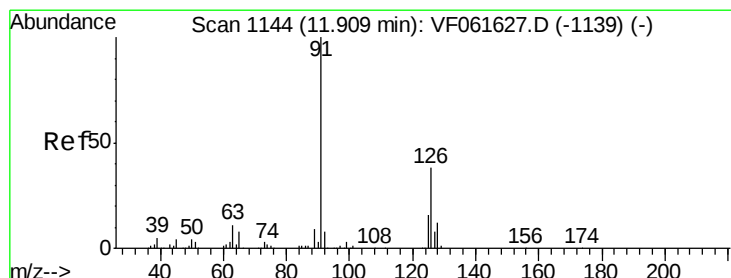
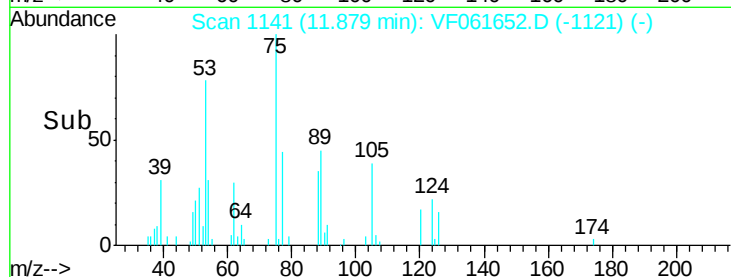
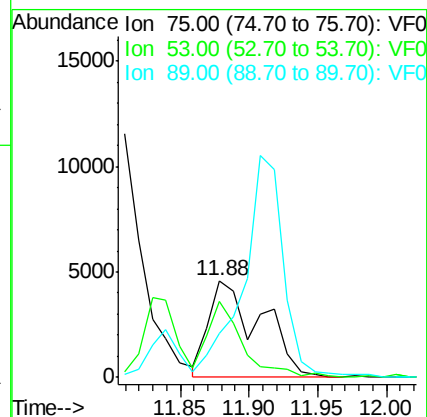
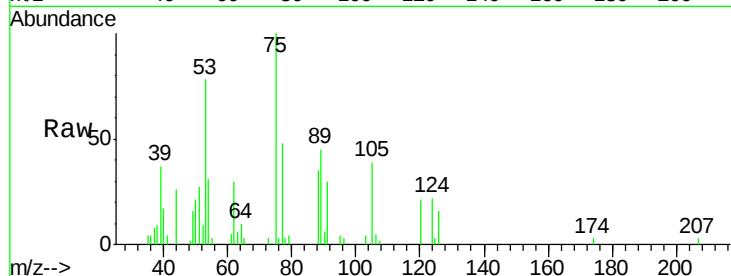
Tot Ion: 75 Resp: 12162

Ion Ratio Lower Upper

75 100

53 78.3 53.7 80.5

89 45.2 41.6 62.4



#82

4-Chlorotoluene

Concen: 22.934 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VF061652.D

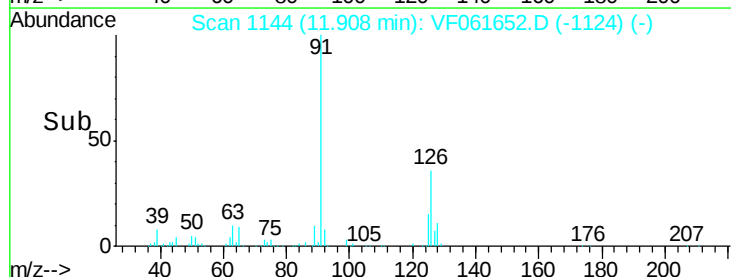
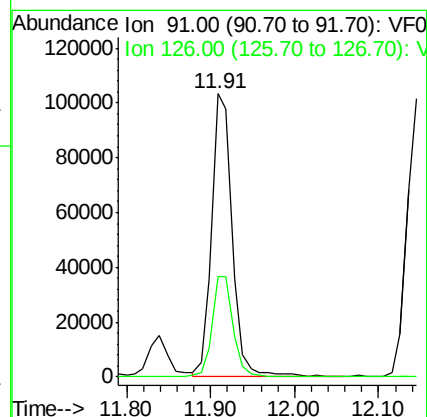
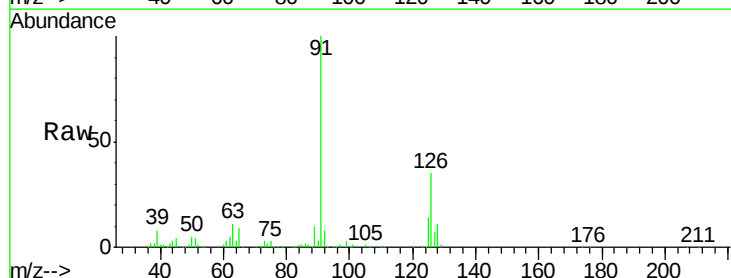
Acq: 15 Feb 2019 13:19

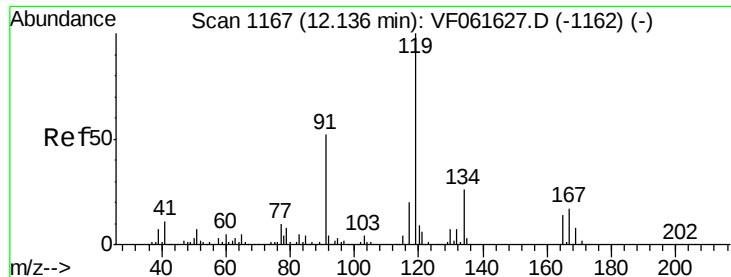
Tgt Ion: 91 Resp: 173397

Ion Ratio Lower Upper

91 100

126 35.3 19.1 57.1

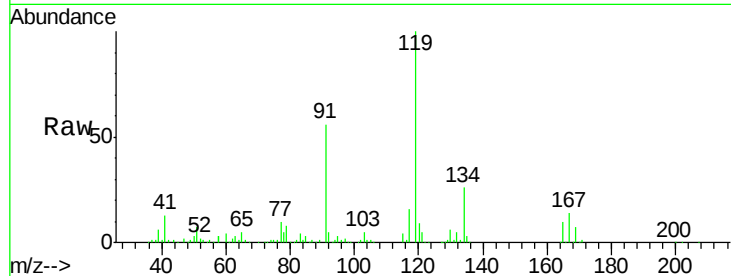




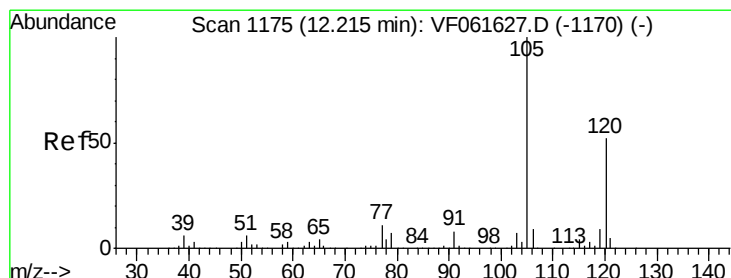
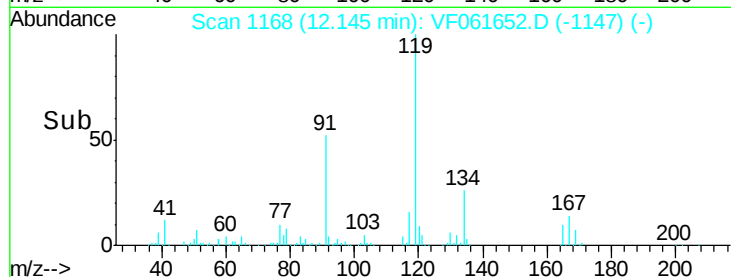
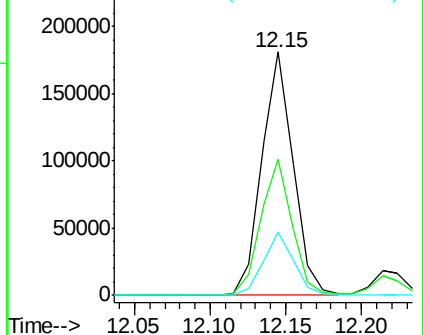
#83
tert-Butylbenzene
Concen: 26.262 ug/l
RT: 12.15 min Scan# 1168
Delta R.T. 0.01 min
Lab File: VF061652.D
Acq: 15 Feb 2019 13:19

Instrument :
MSVOA_F
ClientSampleId :
VF0215SBS01

Tot Ion:119 Resp: 263498
Ion Ratio Lower Upper
119 100
91 56.0 26.3 78.8
134 26.2 12.9 38.7

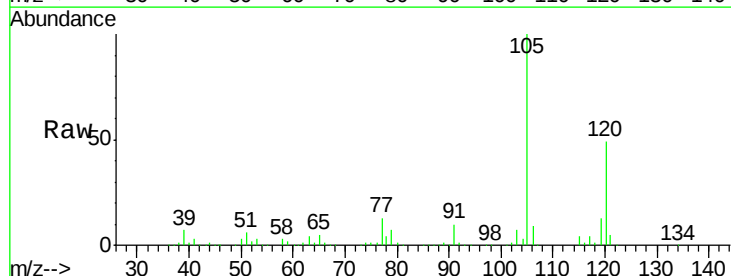


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

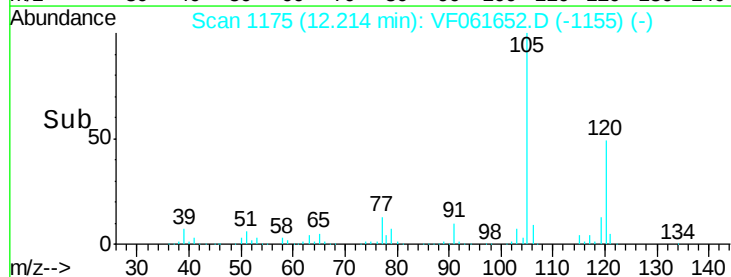
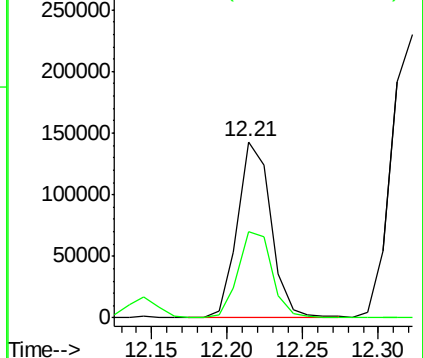


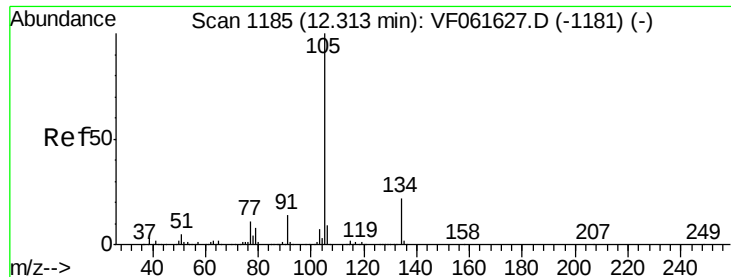
#84
1,2,4-Trimethylbenzene
Concen: 24.553 ug/l
RT: 12.21 min Scan# 1175
Delta R.T. -0.00 min
Lab File: VF061652.D
Acq: 15 Feb 2019 13:19

Tgt Ion:105 Resp: 220975
Ion Ratio Lower Upper
105 100
120 48.9 26.1 78.3



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





#85

sec-Butylbenzene

Concen: 27.313 ug/l

RT: 12.32 min Scan# 1186

Delta R.T. 0.01 min

Lab File: VF061652.D

Acq: 15 Feb 2019 13:19

Instrument :

MSVOA_F

ClientSampled :

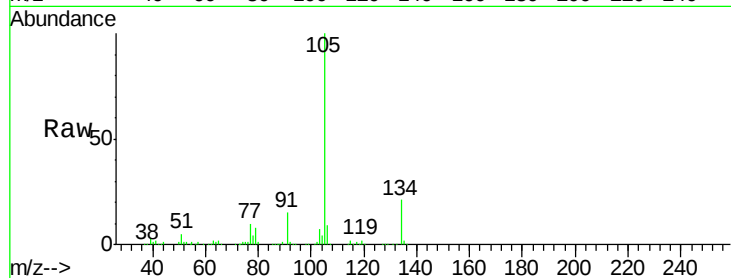
VF0215SBSD01

Tot Ion:105 Resp: 354380

Ion Ratio Lower Upper

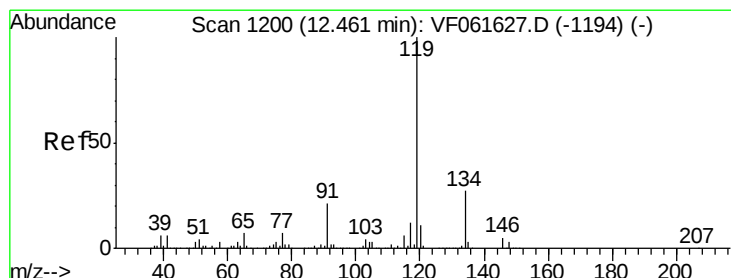
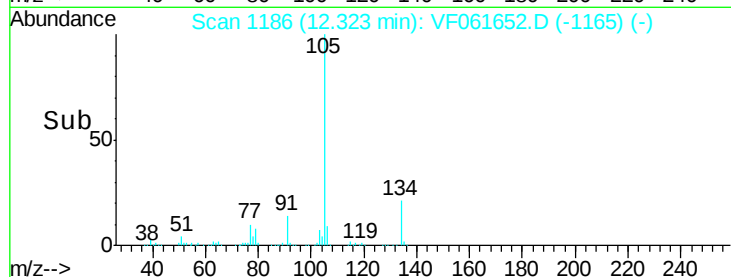
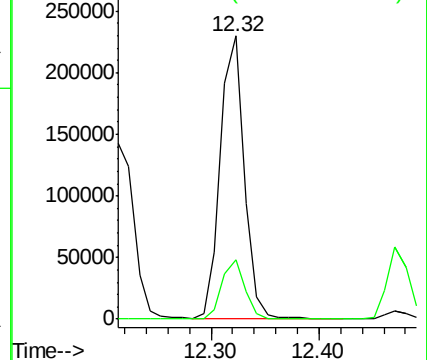
105 100

134 21.2 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 27.988 ug/l

RT: 12.47 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VF061652.D

Acq: 15 Feb 2019 13:19

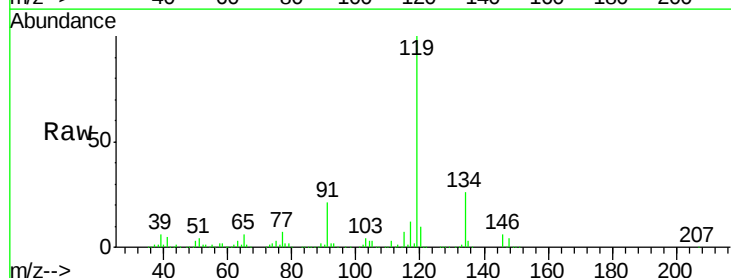
Tgt Ion:119 Resp: 304764

Ion Ratio Lower Upper

119 100

134 26.4 13.7 41.1

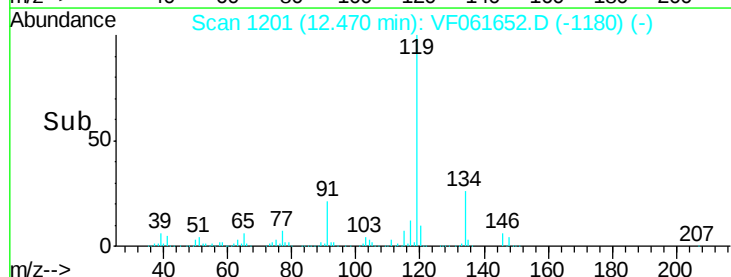
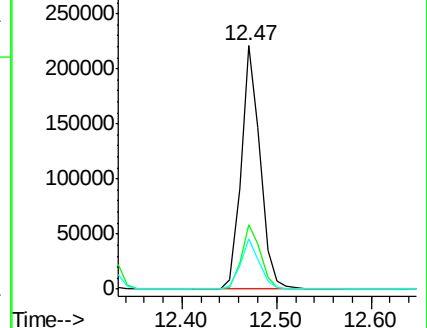
91 20.9 10.8 32.4

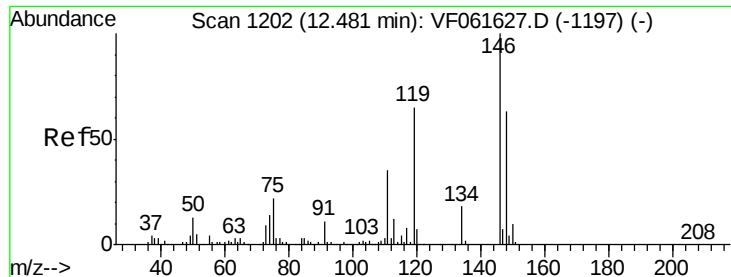


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

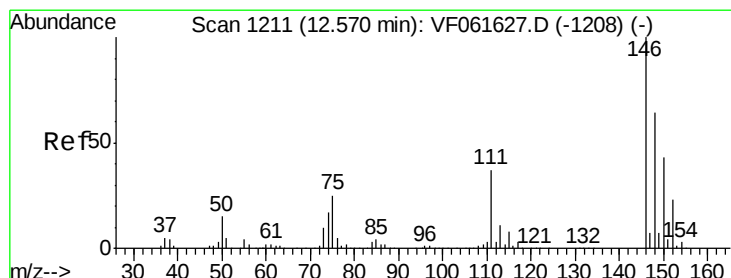
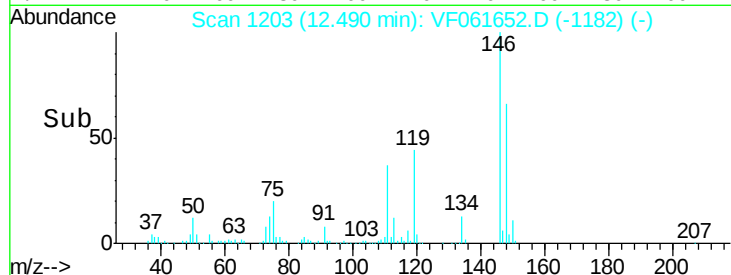
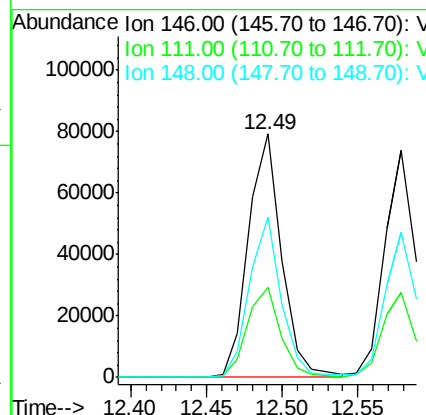
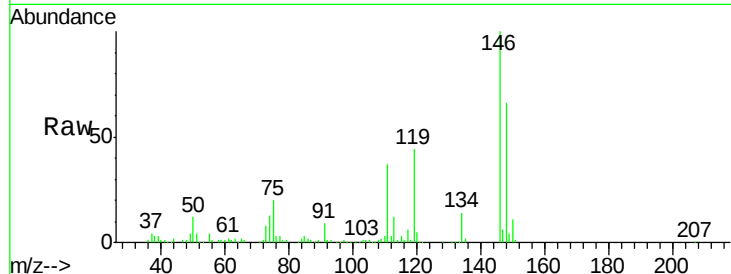




#87
 1,3-Dichlorobenzene
 Concen: 22.260 ug/l
 RT: 12.49 min Scan# 1203
 Delta R.T. 0.01 min
 Lab File: VF061652.D
 Acq: 15 Feb 2019 13:19

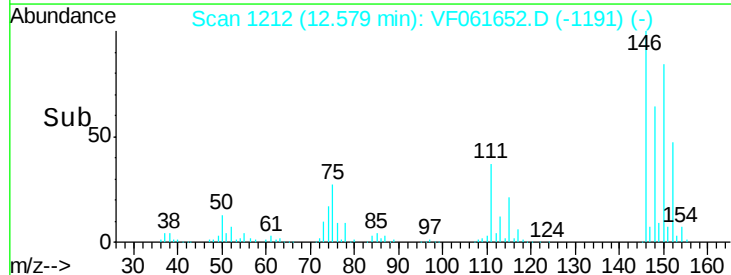
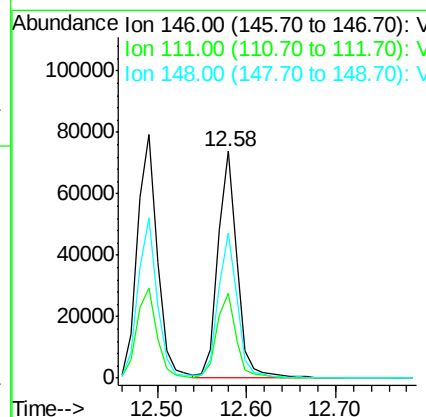
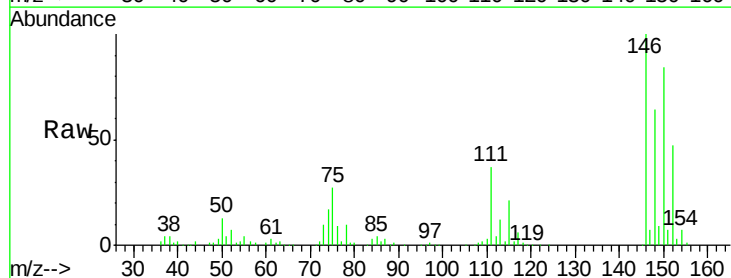
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0215SBS01

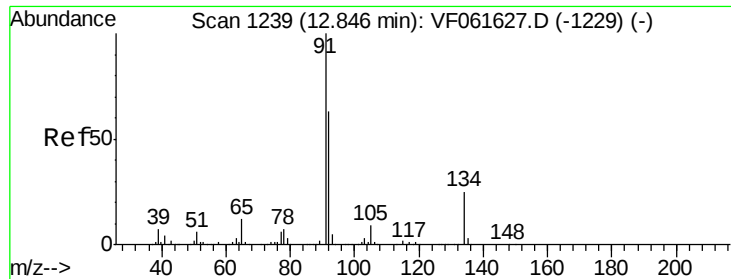
Tot Ion:146 Resp: 121510
 Ion Ratio Lower Upper
 146 100
 111 37.0 17.5 52.6
 148 65.9 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 21.233 ug/l
 RT: 12.58 min Scan# 1212
 Delta R.T. 0.01 min
 Lab File: VF061652.D
 Acq: 15 Feb 2019 13:19

Tgt Ion:146 Resp: 111470
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.4 55.4
 148 64.2 32.2 96.6

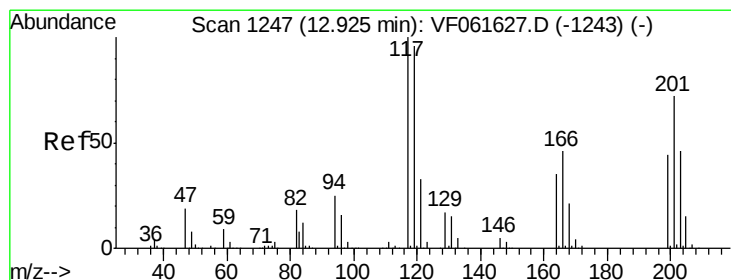
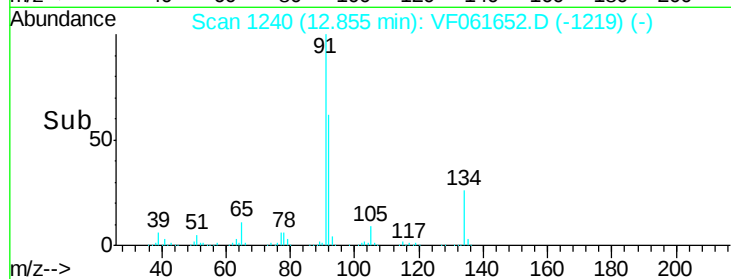
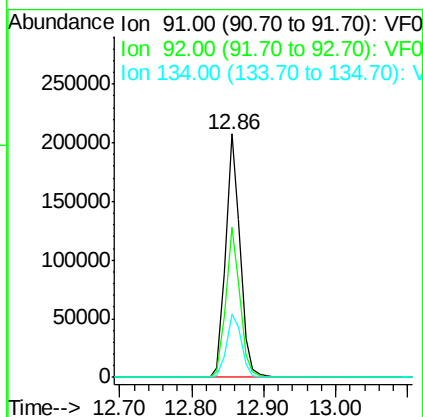
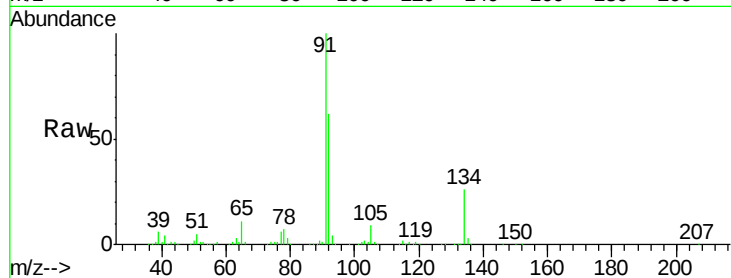




#89
n-Butylbenzene
Concen: 27.801 ug/l
RT: 12.86 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VF061652.D
Acq: 15 Feb 2019 13:19

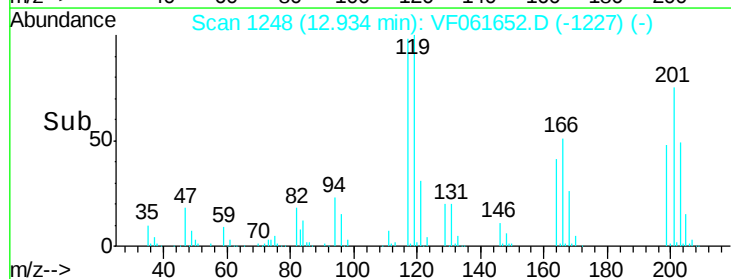
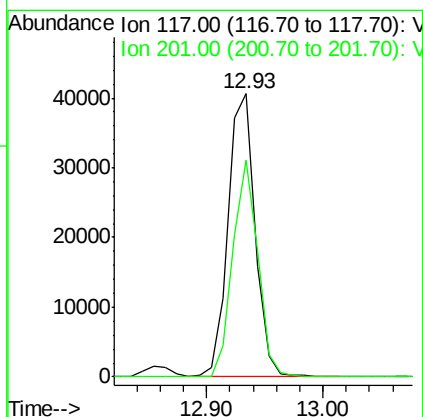
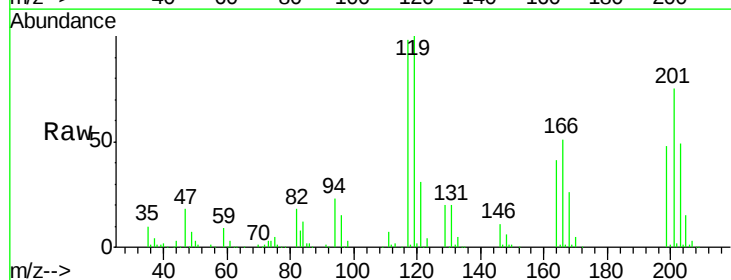
Instrument :
MSVOA_F
ClientSampleId :
VF0215SBS01

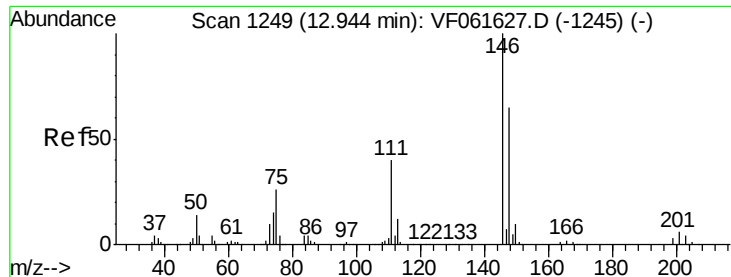
Tot Ion: 91 Resp: 285864
Ion Ratio Lower Upper
91 100
92 61.6 31.4 94.3
134 26.0 12.3 36.9



#90
Hexachloroethane
Concen: 25.809 ug/l
RT: 12.93 min Scan# 1248
Delta R.T. 0.01 min
Lab File: VF061652.D
Acq: 15 Feb 2019 13:19

Tgt Ion: 117 Resp: 65363
Ion Ratio Lower Upper
117 100
201 76.6 36.2 108.6

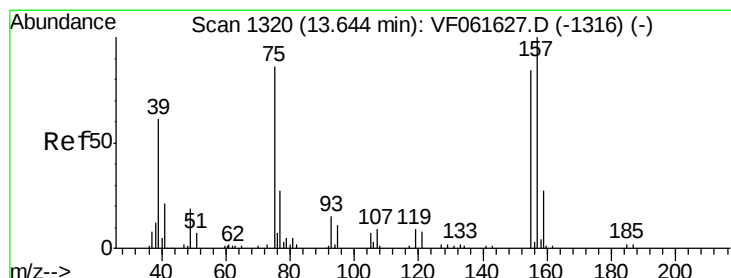
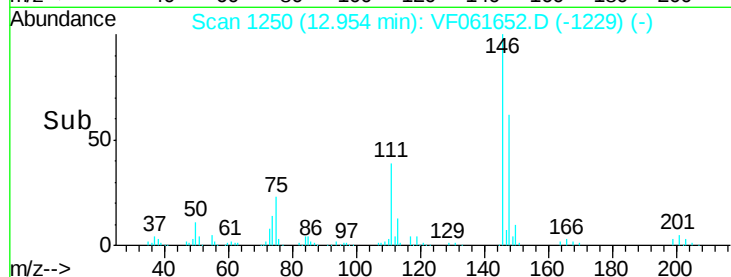
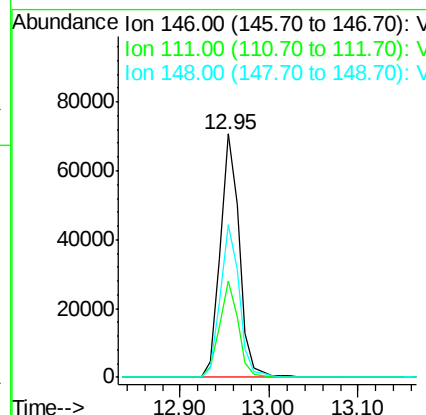
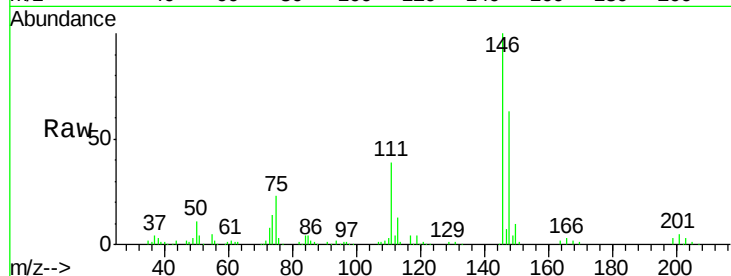




#91
 1,2-Dichlorobenzene
 Concen: 20.428 ug/l
 RT: 12.95 min Scan# 1250
 Delta R.T. 0.01 min
 Lab File: VF061652.D
 Acq: 15 Feb 2019 13:19

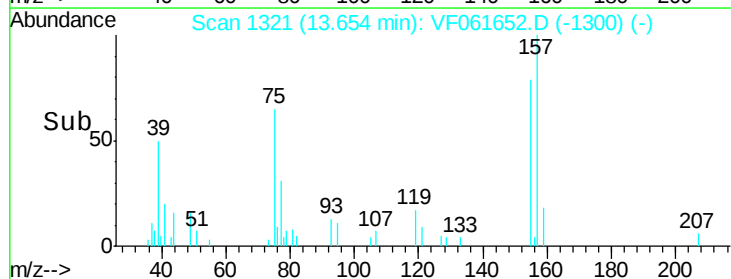
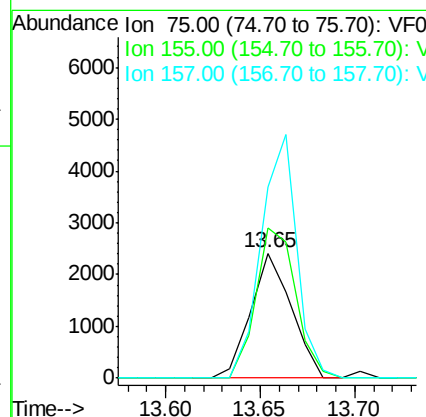
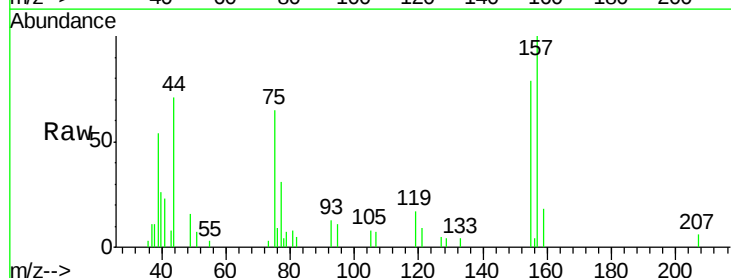
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0215SBS01

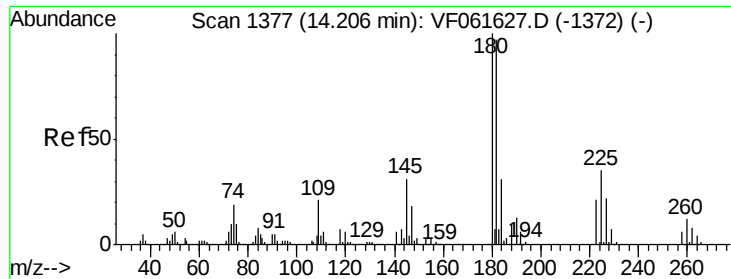
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.2	60.5
148	62.5	32.3	96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 11.154 ug/l
 RT: 13.65 min Scan# 1321
 Delta R.T. 0.01 min
 Lab File: VF061652.D
 Acq: 15 Feb 2019 13:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	120.3	48.9	146.8
157	153.2	58.3	174.8

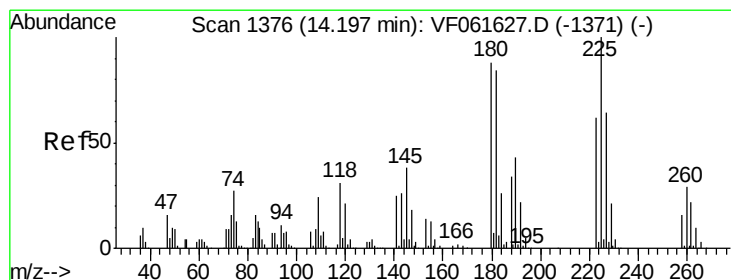
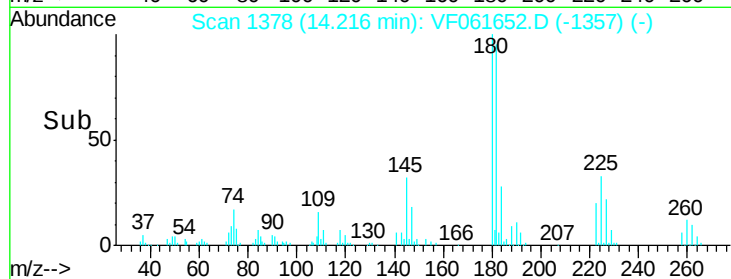
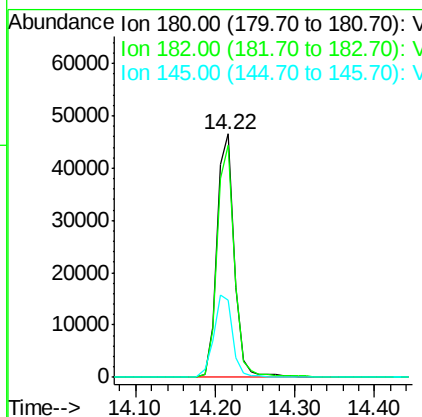
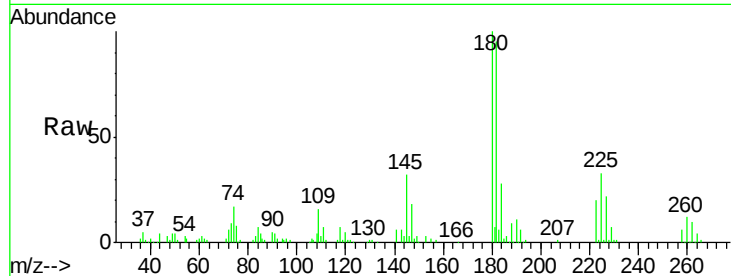




#93
 1,2,4-Trichlorobenzene
 Concen: 19.460 ug/l
 RT: 14.22 min Scan# 1378
 Delta R.T. 0.01 min
 Lab File: VF061652.D
 Acq: 15 Feb 2019 13:19

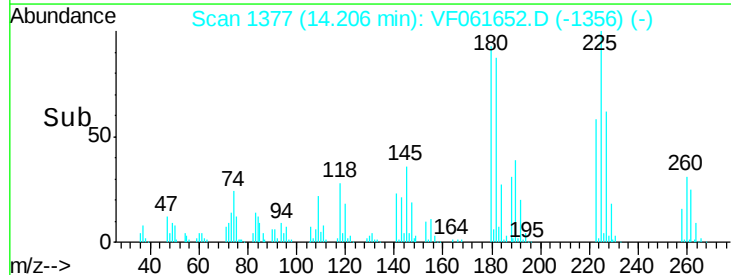
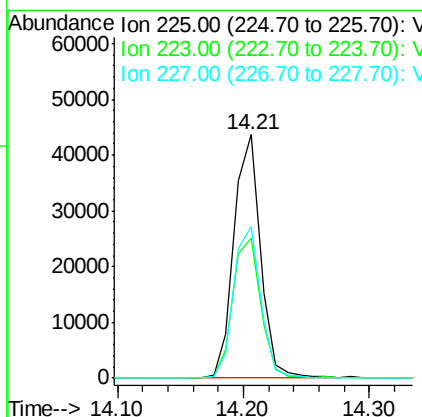
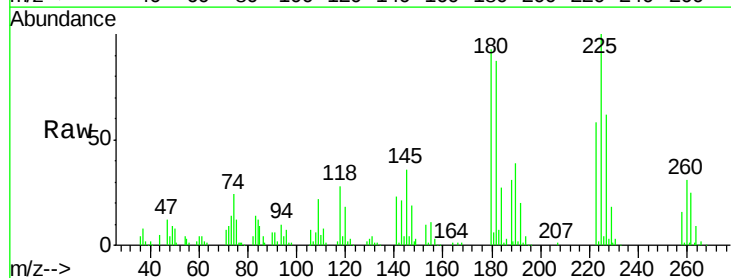
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0215SBSD01

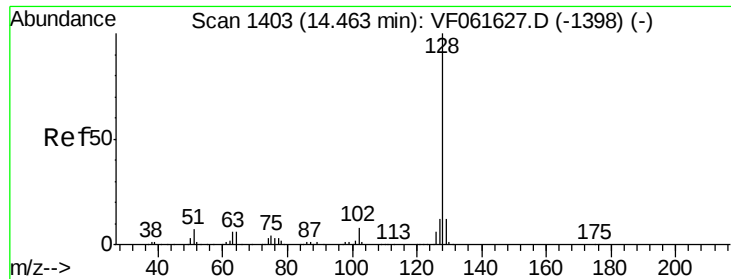
Tot Ion:180 Resp: 72422
 Ion Ratio Lower Upper
 180 100
 182 95.5 48.6 145.9
 145 31.7 15.3 45.9



#94
 Hexachlorobutadiene
 Concen: 27.506 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. 0.01 min
 Lab File: VF061652.D
 Acq: 15 Feb 2019 13:19

Tgt Ion:225 Resp: 63221
 Ion Ratio Lower Upper
 225 100
 223 57.5 30.9 92.7
 227 62.4 32.1 96.3

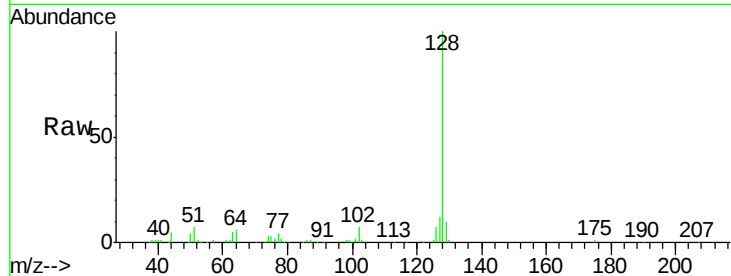




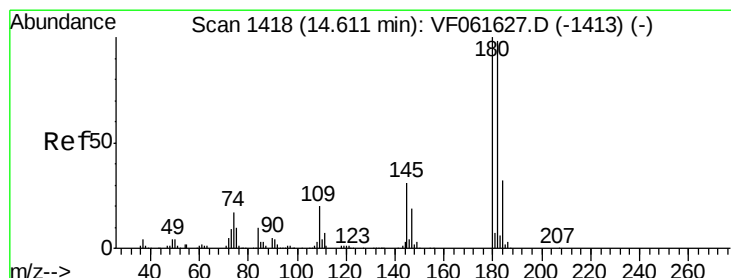
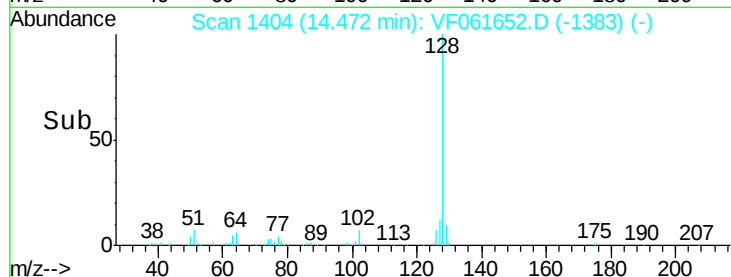
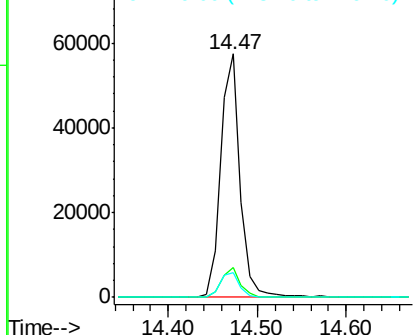
#95
Naphthalene
Concen: 13.529 ug/l
RT: 14.47 min Scan# 1404
Delta R.T. 0.01 min
Lab File: VF061652.D
Acq: 15 Feb 2019 13:19

Instrument :
MSVOA_F
ClientSampleId :
VF0215SBSD01

Tot Ion:128 Resp: 88094
Ion Ratio Lower Upper
128 100
127 12.4 9.8 14.6
129 10.3 9.4 14.2

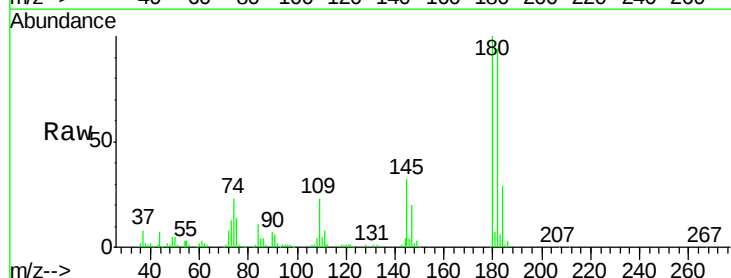


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 17.722 ug/l
RT: 14.61 min Scan# 1418
Delta R.T. -0.00 min
Lab File: VF061652.D
Acq: 15 Feb 2019 13:19

Tgt Ion:180 Resp: 60536
Ion Ratio Lower Upper
180 100
182 93.9 49.0 147.2
145 31.8 15.4 46.1



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

