

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF022219\
 Data File : VF061706.D
 Acq On : 22 Feb 2019 13:51
 Operator : VA/AP
 Sample : VF0222SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0222SBS01

Quant Time: Feb 23 01:39:11 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	4.84	168	339255	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.57	114	529040	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.75	117	425926	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.53	152	239372	50.00	ug/l	-0.03

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	127781	51.36	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	102.72%	
35) Dibromofluoromethane	4.08	113	187544	47.74	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	95.48%	
50) Toluene-d8	7.54	98	538742	47.70	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	95.40%	
62) 4-Bromofluorobenzene	11.40	95	203498	44.53	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	89.06%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	90768	23.298	ug/l	94
3) Chloromethane	1.09	50	93812	22.950	ug/l	94
4) Vinyl Chloride	1.14	62	84875	22.335	ug/l	92
5) Bromomethane	1.31	94	56276	21.517	ug/l	95
6) Chloroethane	1.39	64	43643	23.305	ug/l	100
7) Trichlorofluoromethane	1.47	101	105280	22.970	ug/l	96
8) Diethyl Ether	1.62	74	23987	20.767	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.84	101	72550	21.942	ug/l	94
10) Methyl Iodide	1.90	142	105527	16.708	ug/l	98
11) Tert butyl alcohol	2.56	59	12282	85.304	ug/l #	91
12) 1,1-Dichloroethene	1.79	96	49686	17.091	ug/l	88
13) Acrolein	1.99	56	17005	93.973	ug/l	96
14) Allyl chloride	2.08	41	75167	21.071	ug/l	98
15) Acrylonitrile	2.92	53	44529	87.193	ug/l	97
16) Acetone	2.22	43	55905	104.736	ug/l #	88
17) Carbon Disulfide	1.82	76	148383	16.238	ug/l	98
18) Methyl Acetate	2.33	43	24005	19.963	ug/l	92
19) Methyl tert-butyl Ether	2.42	73	107259	21.589	ug/l	95
20) Methylene Chloride	2.16	84	28309	7.769	ug/l	89
21) trans-1,2-Dichloroethene	2.30	96	69605	22.025	ug/l	99
22) Diisopropyl ether	2.78	45	177247	20.699	ug/l	98
23) Vinyl Acetate	3.17	43	394567	94.339	ug/l	99
24) 1,1-Dichloroethane	2.85	63	112116	21.635	ug/l	99
25) 2-Butanone	4.32	43	114973	98.611	ug/l	96
26) 2,2-Dichloropropane	3.57	77	55099	25.102	ug/l	97
27) cis-1,2-Dichloroethene	3.45	96	89946	21.684	ug/l	96
28) Bromochloromethane	3.69	49	54454	21.901	ug/l	90
29) Tetrahydrofuran	4.04	42	46918	88.537	ug/l	99
30) Chloroform	3.84	83	130810	22.197	ug/l	93
31) Cyclohexane	3.67	56	72353	12.898	ug/l	96
32) 1,1,1-Trichloroethane	4.06	97	75608	19.586	ug/l	94
36) 1,1-Dichloropropene	4.25	75	110960	21.172	ug/l	93
37) Ethyl Acetate	4.09	43	40501	16.638	ug/l #	96
38) Carbon Tetrachloride	3.97	117	74850	20.684	ug/l	91

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 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)
39) Methylcyclohexane	5.43	83	135412	21.847	ug/l	99
40) Benzene	4.61	78	290485	21.191	ug/l	99
41) Methacrylonitrile	4.72	41	19865	15.958	ug/l #	91
42) 1,2-Dichloroethane	4.92	62	65018	19.828	ug/l	89
43) Isopropyl Acetate	6.94	43	46971	16.302	ug/l #	93
44) Trichloroethene	5.48	130	92527	20.873	ug/l	94
45) 1,2-Dichloropropane	6.21	63	70479	21.270	ug/l	93
46) Dibromomethane	6.07	93	39460	19.342	ug/l	96
47) Bromodichloromethane	6.36	83	87796	19.651	ug/l	98
48) Methyl methacrylate	6.70	41	26691	15.393	ug/l #	87
49) 1,4-Dioxane	6.69	88	4710	288.954	ug/l #	79
51) 4-Methyl-2-Pentanone	8.25	43	163809	79.565	ug/l	95
52) Toluene	7.60	92	167000	20.087	ug/l	98
53) t-1,3-Dichloropropene	8.25	75	68029	18.296	ug/l	95
54) cis-1,3-Dichloropropene	7.28	75	96439	19.472	ug/l	98
55) 1,1,2-Trichloroethane	8.47	97	43031	17.616	ug/l	93
56) Ethyl methacrylate	8.60	69	47966	17.637	ug/l	92
57) 1,3-Dichloropropane	8.83	76	69708	17.097	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.28	63	33704	71.830	ug/l	98
59) 2-Hexanone	9.48	43	125458	86.932	ug/l	96
60) Dibromochloromethane	8.70	129	62757	18.459	ug/l	100
61) 1,2-Dibromoethane	8.96	107	47251	17.835	ug/l	100
64) Tetrachloroethene	8.14	164	77046	22.130	ug/l	96
65) Chlorobenzene	9.77	112	180226	20.852	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.91	131	72256	21.335	ug/l	94
67) Ethyl Benzene	9.88	91	304322	21.173	ug/l	98
68) m/p-Xylenes	10.11	106	245796	44.683	ug/l	95
69) o-Xylene	10.70	106	127624	21.743	ug/l	97
70) Styrene	10.77	104	172972	20.831	ug/l	99
71) Bromoform	10.76	173	35096	19.083	ug/l	99
73) Isopropylbenzene	11.10	105	374550	21.977	ug/l	97
74) N-amyl acetate	11.36	43	77216	18.876	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.68	83	55782	18.270	ug/l	98
76) 1,2,3-Trichloropropane	11.78	75	36380	17.525	ug/l	99
77) Bromobenzene	11.48	156	84595	20.092	ug/l	93
78) n-propylbenzene	11.58	91	420219	21.487	ug/l	97
79) 2-Chlorotoluene	11.71	91	241112	22.013	ug/l	95
80) 1,3,5-Trimethylbenzene	11.81	105	300201	22.039	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.85	75	23729	23.843	ug/l	94
82) 4-Chlorotoluene	11.88	91	238280	20.960	ug/l	98
83) tert-Butylbenzene	12.12	119	317645	21.054	ug/l	98
84) 1,2,4-Trimethylbenzene	12.19	105	301873	22.307	ug/l	97
85) sec-Butylbenzene	12.29	105	428968	21.987	ug/l	94
86) p-Isopropyltoluene	12.45	119	367213	22.427	ug/l	98
87) 1,3-Dichlorobenzene	12.47	146	167920	20.458	ug/l	96
88) 1,4-Dichlorobenzene	12.55	146	164361	20.821	ug/l	98
89) n-Butylbenzene	12.83	91	357912	23.149	ug/l	97
90) Hexachloroethane	12.90	117	85260	22.389	ug/l	87
91) 1,2-Dichlorobenzene	12.93	146	162843	20.858	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.63	75	7748	16.005	ug/l	85

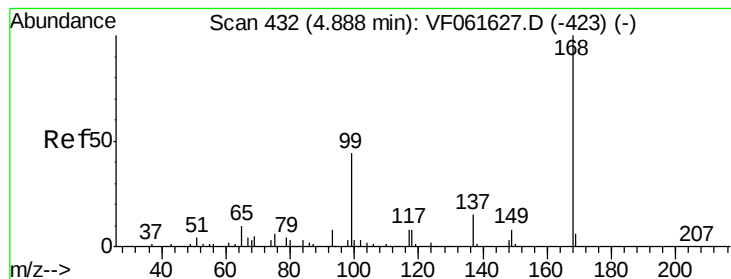
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF022219\
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Operator : VA/AP
Sample : VF0222SBS01
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Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	117512	20.999	ug/l	99
94) Hexachlorobutadiene	14.18	225	78240	22.638	ug/l	96
95) Naphthalene	14.45	128	173048	17.674	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	103098	20.072	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.04 min

Lab File: VF061706.D

Acq: 22 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

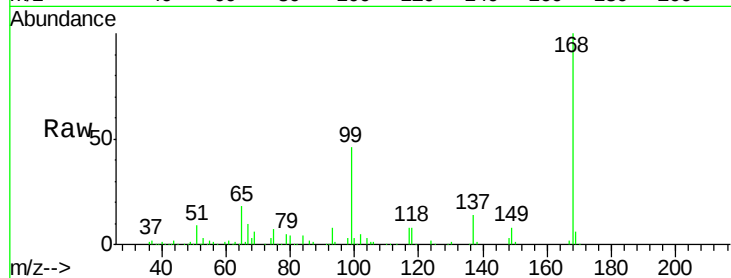
VF0222SBS01

Tot Ion:168 Resp: 339255

Ion Ratio Lower Upper

168 100

99 45.5 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.84

120000

100000

80000

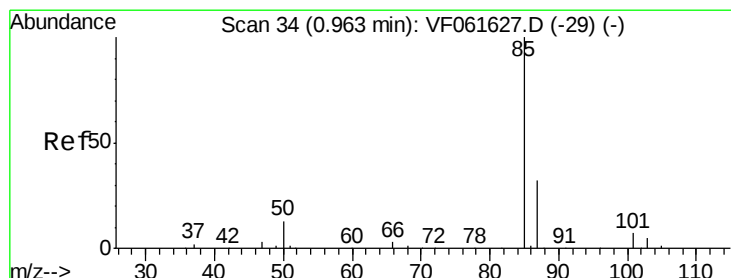
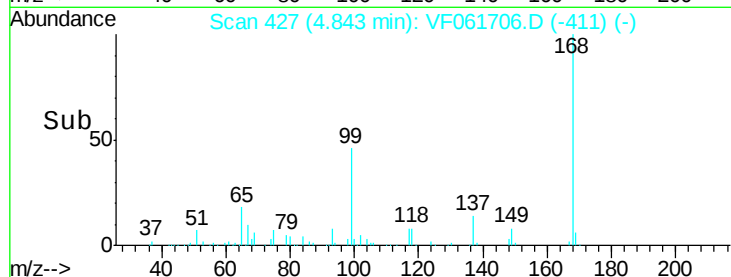
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 23.298 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.01 min

Lab File: VF061706.D

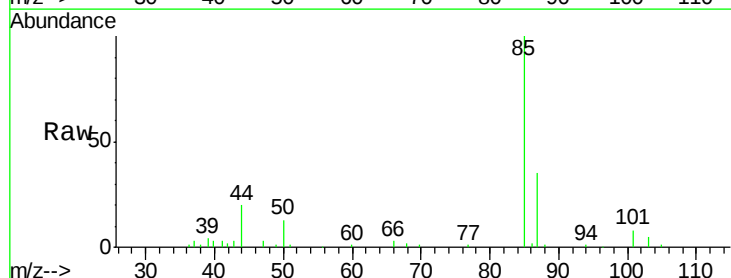
Acq: 22 Feb 2019 13:51

Tgt Ion: 85 Resp: 90768

Ion Ratio Lower Upper

85 100

87 35.3 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

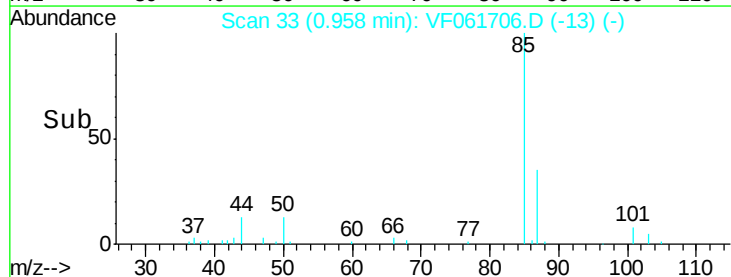
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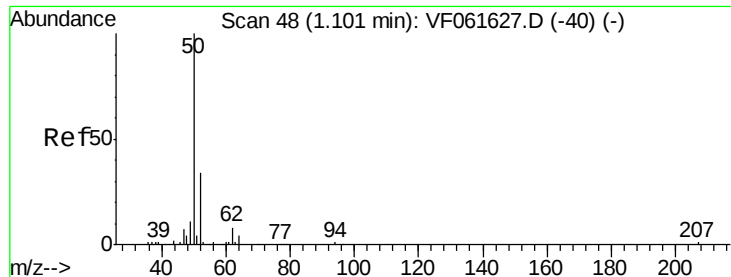
10000

5000

0

Time-->





#3

Chloromethane

Concen: 22.950 ug/l

RT: 1.09 min Scan# 46

Delta R.T. -0.02 min

Lab File: VF061706.D

Acq: 22 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

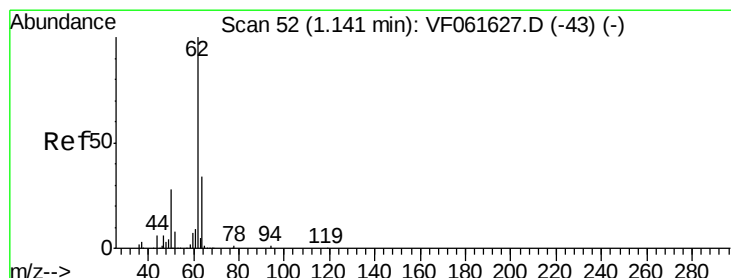
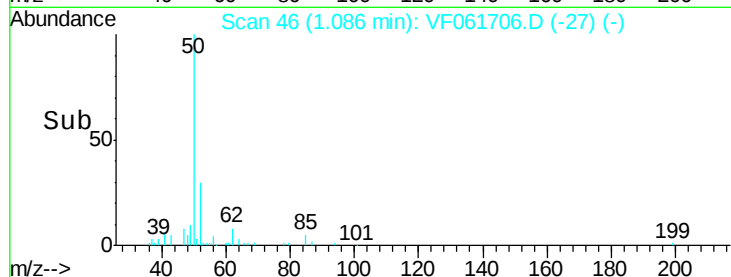
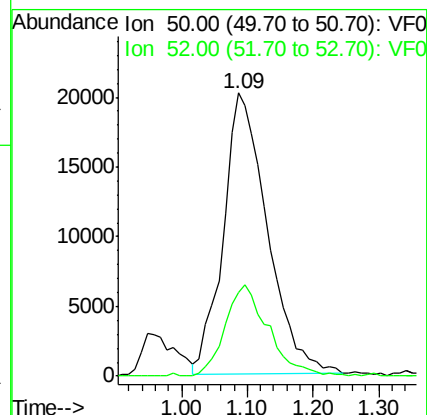
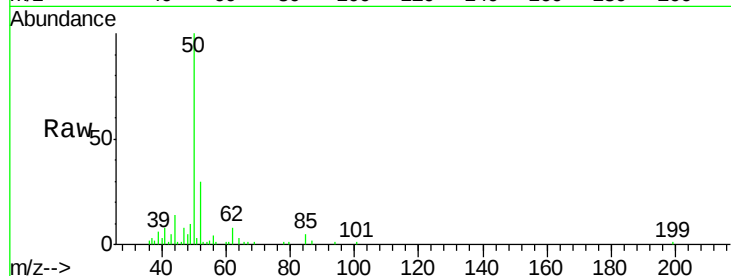
VF0222SBS01

Tot Ion: 50 Resp: 93812

Ion Ratio Lower Upper

50 100

52 29.6 26.2 39.4



#4

Vinyl Chloride

Concen: 22.335 ug/l

RT: 1.14 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF061706.D

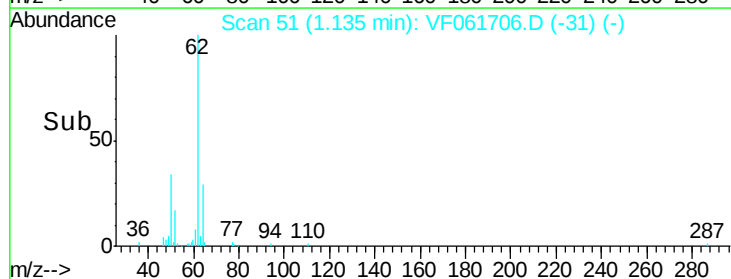
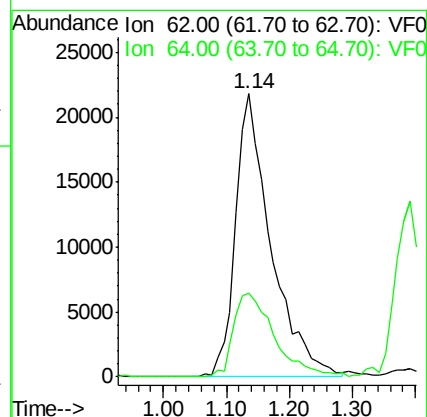
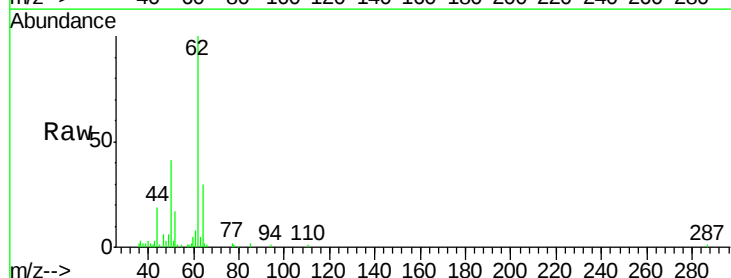
Acq: 22 Feb 2019 13:51

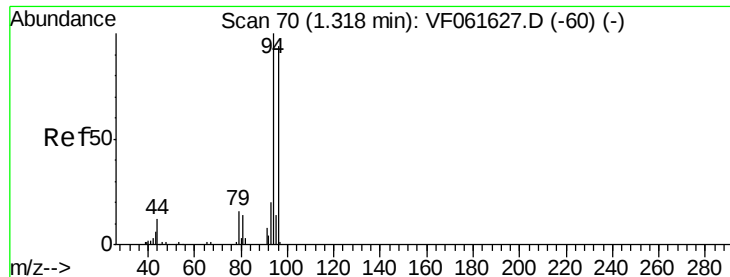
Tgt Ion: 62 Resp: 84875

Ion Ratio Lower Upper

62 100

64 29.8 27.5 41.3





#5

Bromomethane

Concen: 21.517 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.01 min

Lab File: VF061706.D

Acq: 22 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

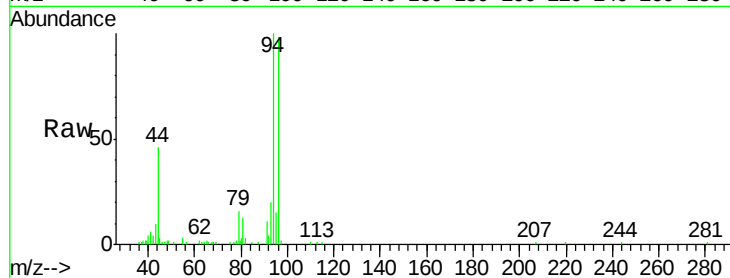
VF0222SBS01

Tot Ion: 94 Resp: 56276

Ion Ratio Lower Upper

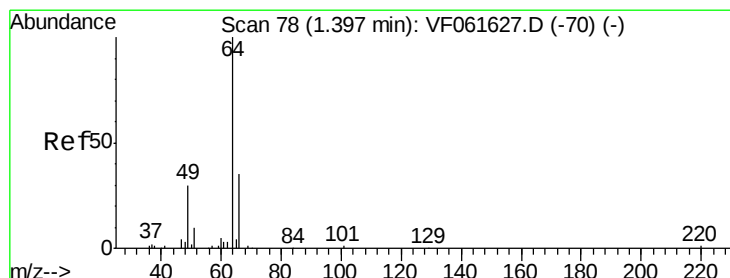
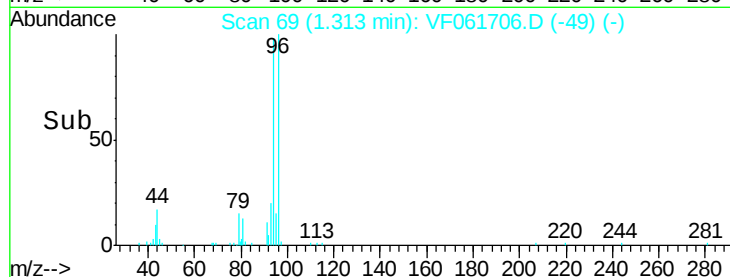
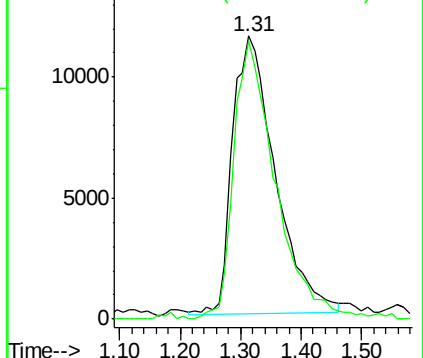
94 100

96 98.3 74.6 112.0



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 23.305 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.01 min

Lab File: VF061706.D

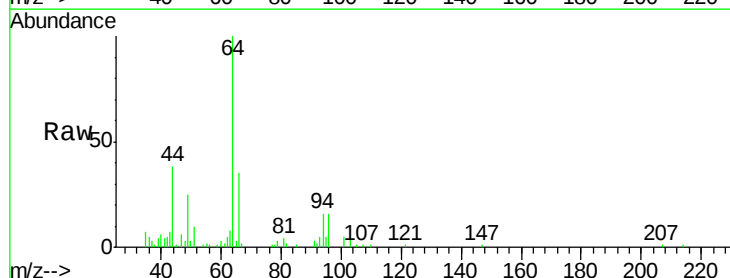
Acq: 22 Feb 2019 13:51

Tgt Ion: 64 Resp: 43643

Ion Ratio Lower Upper

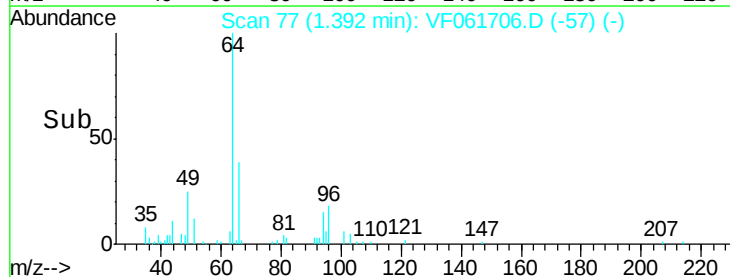
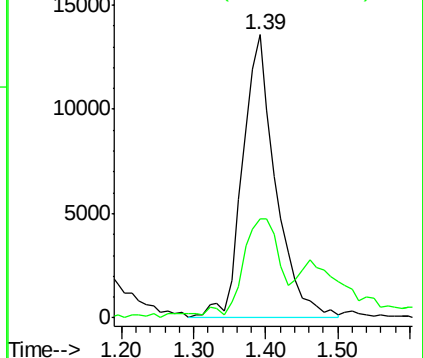
64 100

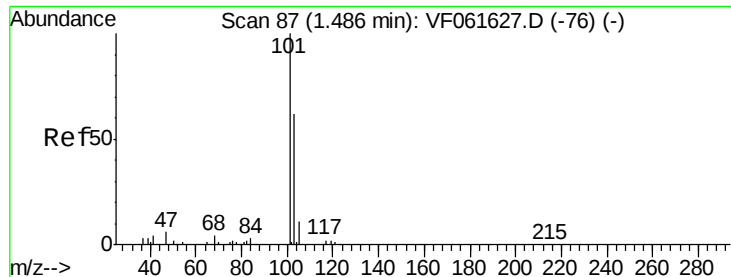
66 35.0 27.9 41.9



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



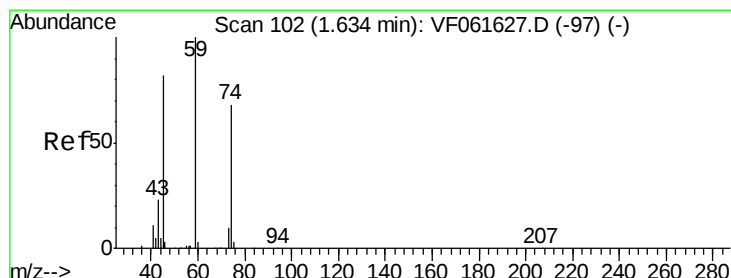
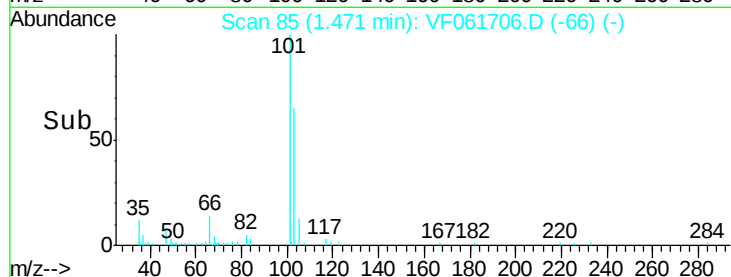
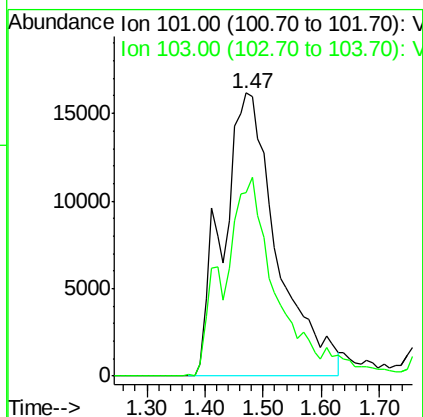
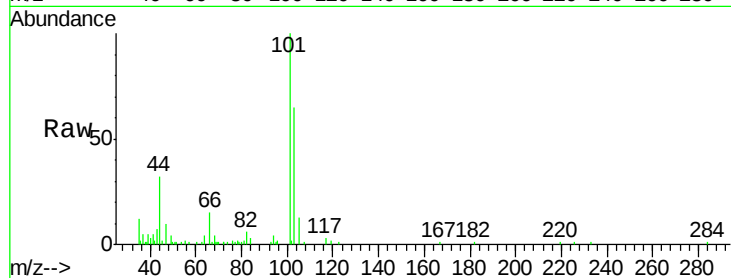


#7

Trichlorofluoromethane
Concen: 22.970 ug/l
RT: 1.47 min Scan# 85
Delta R.T. -0.02 min
Lab File: VF061706.D
Acq: 22 Feb 2019 13:51

Instrument :
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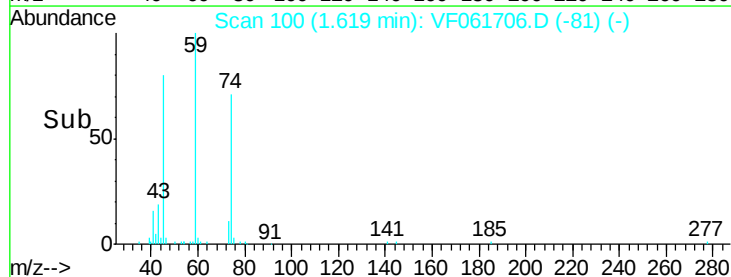
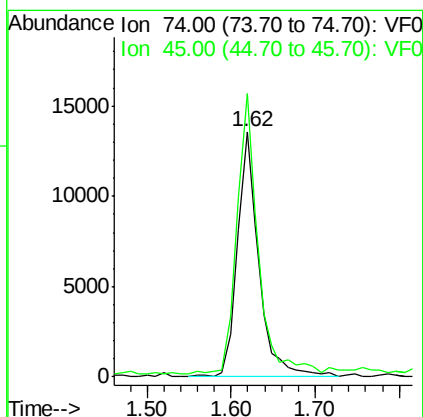
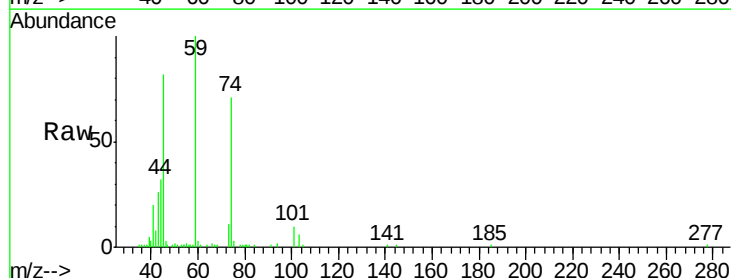
Tot Ion:101 Resp: 105280
Ion Ratio Lower Upper
101 100
103 64.8 49.3 73.9

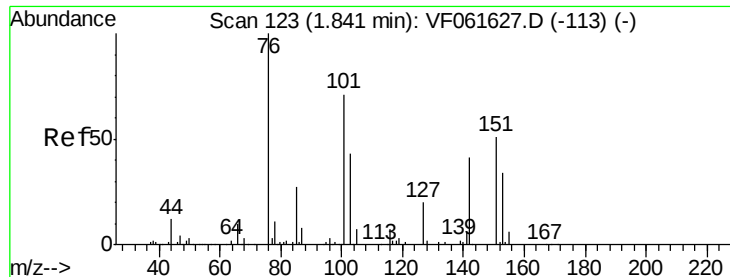


#8

Diethyl Ether
Concen: 20.767 ug/l
RT: 1.62 min Scan# 100
Delta R.T. -0.02 min
Lab File: VF061706.D
Acq: 22 Feb 2019 13:51

Tgt Ion: 74 Resp: 23987
Ion Ratio Lower Upper
74 100
45 115.4 60.8 182.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.942 ug/l

RT: 1.84 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF061706.D

Acq: 22 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

VF0222SBS01

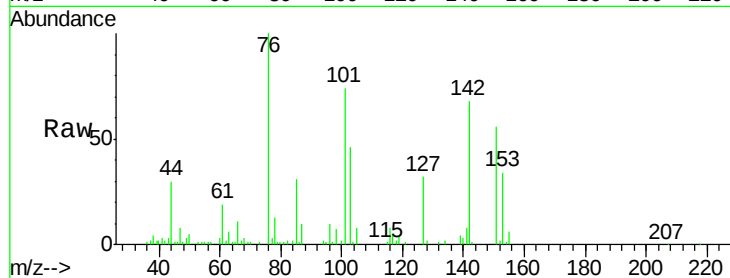
Tot Ion:101 Resp: 72550

Ion Ratio Lower Upper

101 100

85 41.2 29.8 44.6

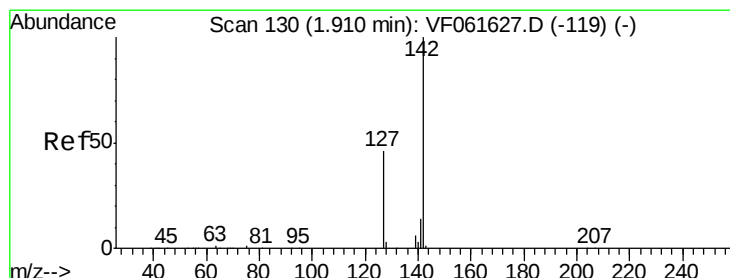
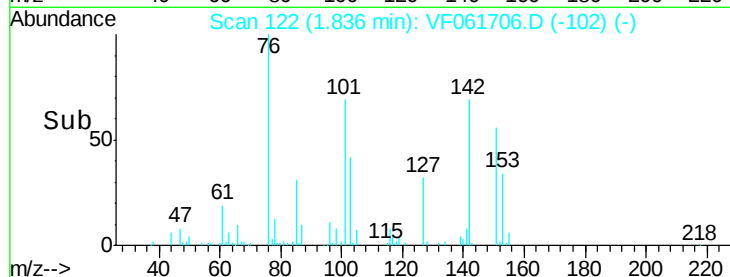
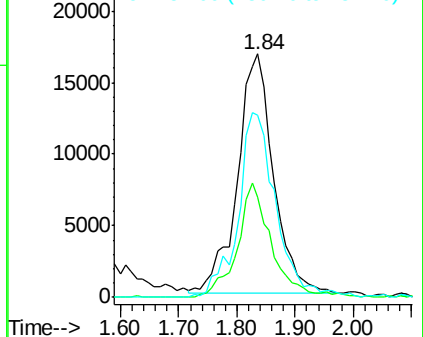
151 74.9 56.3 84.5



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: 16.708 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.01 min

Lab File: VF061706.D

Acq: 22 Feb 2019 13:51

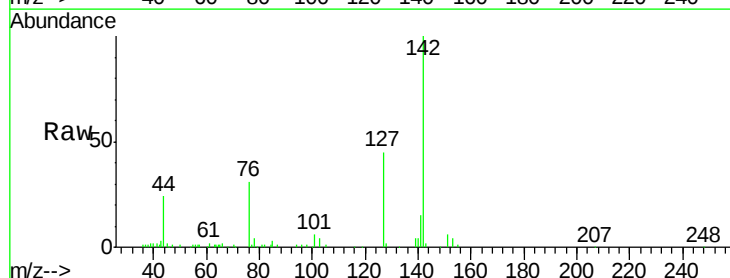
Tgt Ion:142 Resp: 105527

Ion Ratio Lower Upper

142 100

127 45.0 36.6 55.0

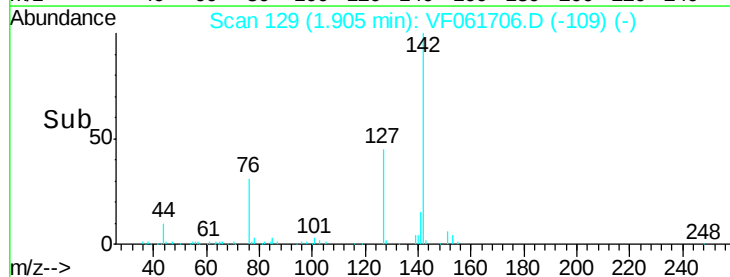
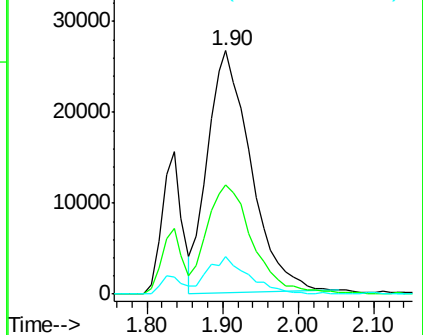
141 15.3 11.0 16.6

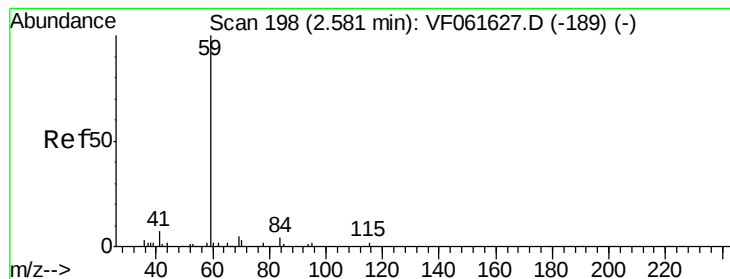


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



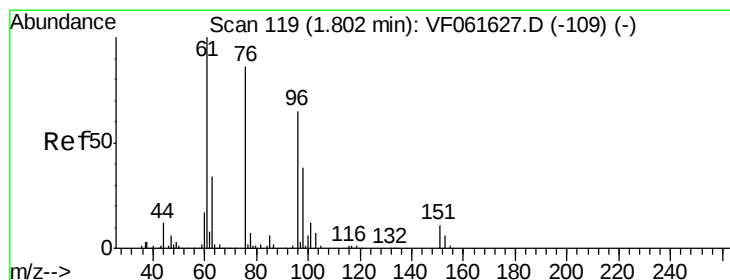
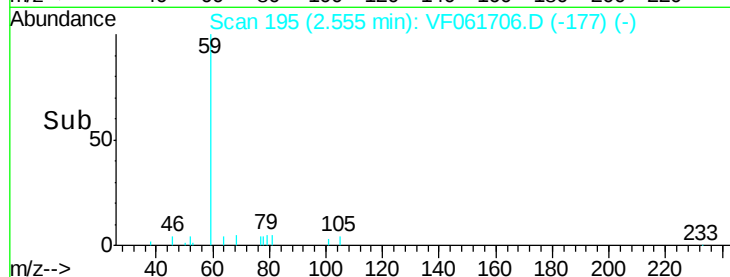
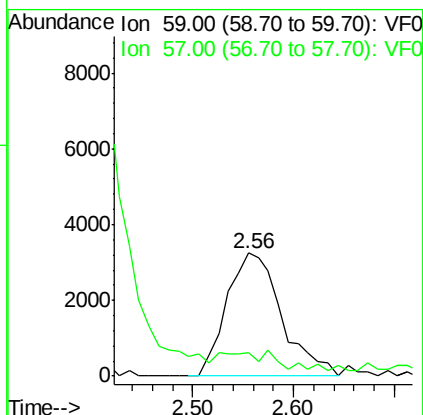
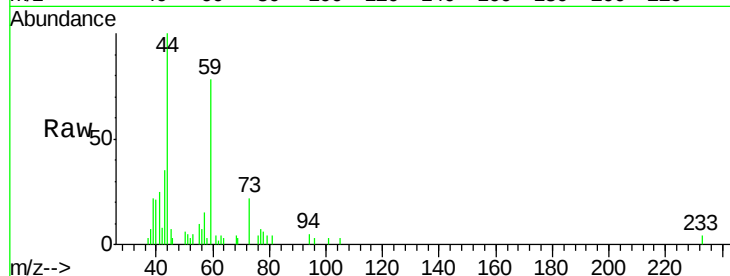


#11

Tert butyl alcohol
Concen: 85.304 ug/l
RT: 2.56 min Scan# 195
Delta R.T. -0.03 min
Lab File: VF061706.D
Acq: 22 Feb 2019 13:51

Instrument :
MSVOA_F
ClientSampleId :
VF0222SBS01

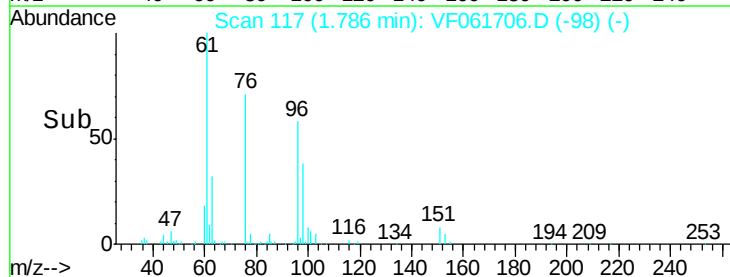
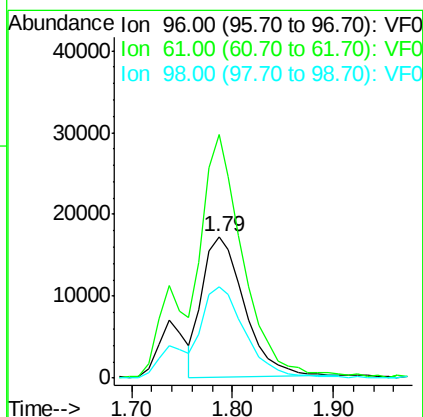
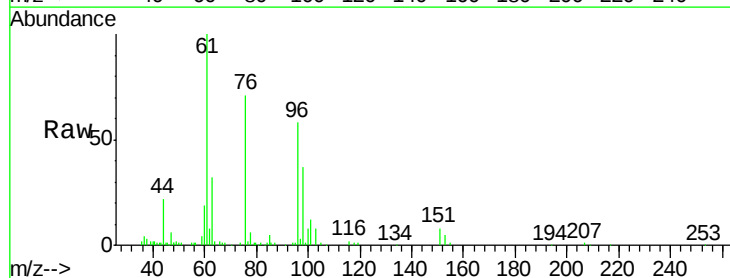
Tot Ion: 59 Resp: 12282
Ion Ratio Lower Upper
59 100
57 19.5 12.5 18.7#

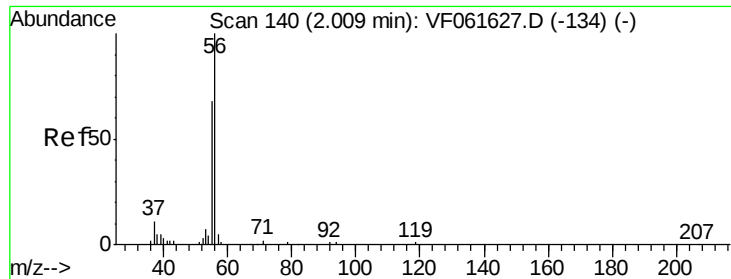


#12

1,1-Dichloroethene
Concen: 17.091 ug/l
RT: 1.79 min Scan# 117
Delta R.T. -0.02 min
Lab File: VF061706.D
Acq: 22 Feb 2019 13:51

Tgt Ion: 96 Resp: 49686
Ion Ratio Lower Upper
96 100
61 171.9 122.6 184.0
98 64.1 47.2 70.8





#13

Acrolein

Concen: 93.973 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF061706.D

Acq: 22 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

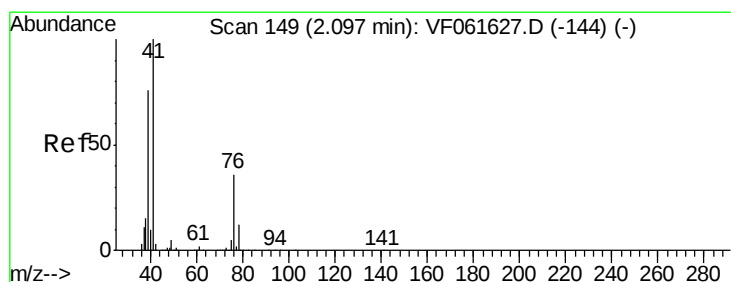
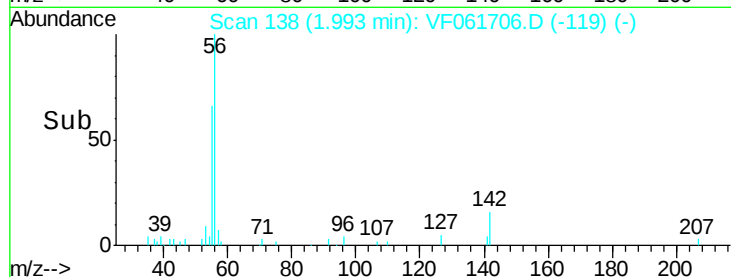
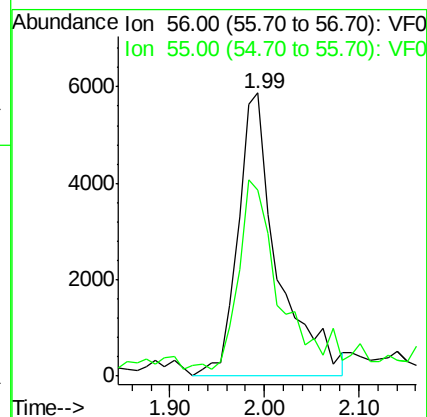
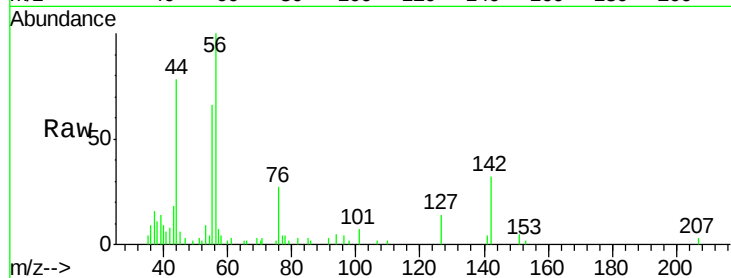
VF0222SBS01

Tot Ion: 56 Resp: 17005

Ion Ratio Lower Upper

56 100

55 65.9 55.0 82.6



#14

Allyl chloride

Concen: 21.071 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.02 min

Lab File: VF061706.D

Acq: 22 Feb 2019 13:51

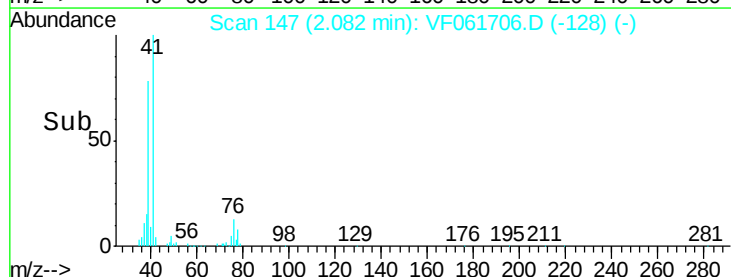
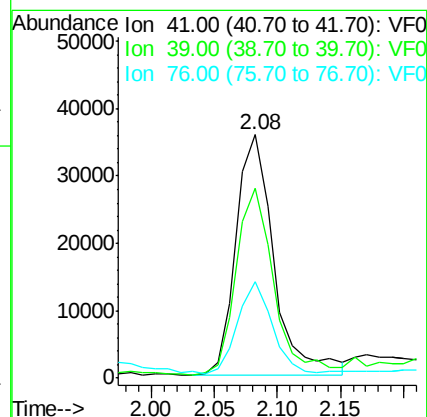
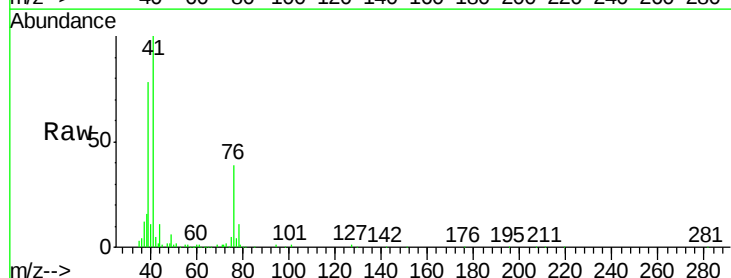
Tgt Ion: 41 Resp: 75167

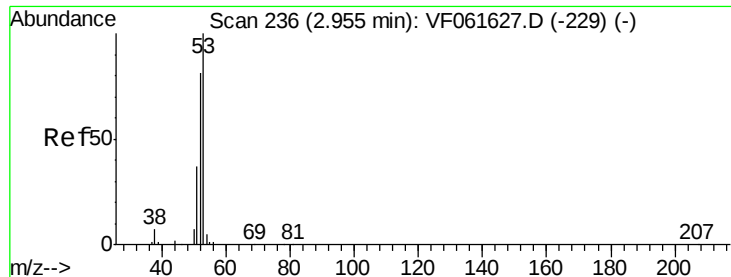
Ion Ratio Lower Upper

41 100

39 78.0 61.6 92.4

76 39.4 30.3 45.5





#15

Acrylonitrile

Concen: 87.193 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.04 min

Lab File: VF061706.D

Acq: 22 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

VF0222SBS01

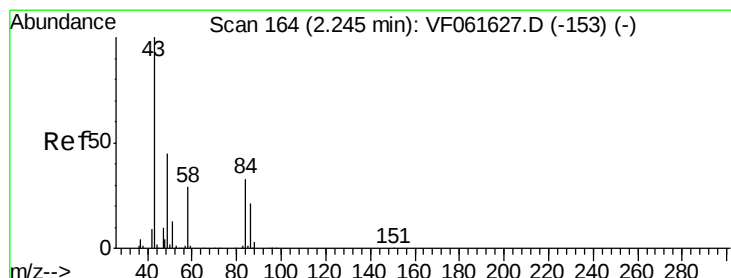
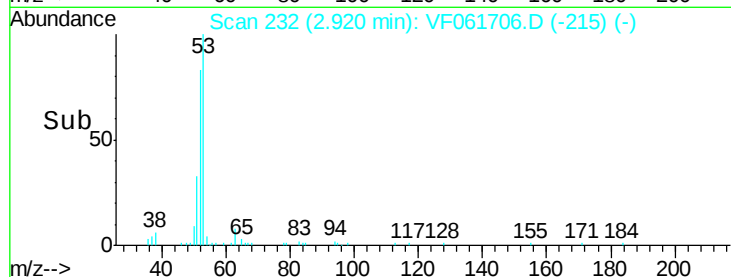
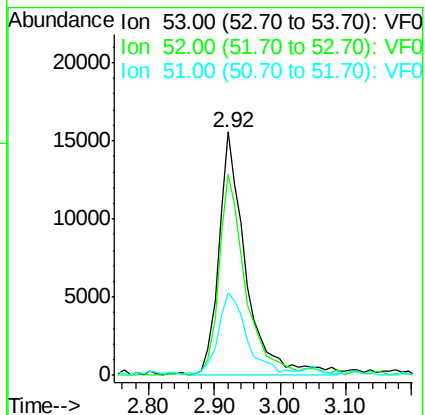
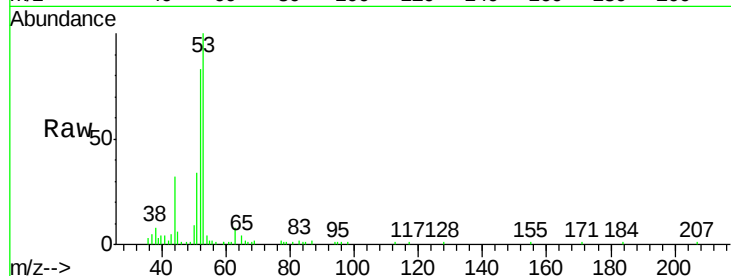
Tot Ion: 53 Resp: 44529

Ion Ratio Lower Upper

53 100

52 82.7 64.6 97.0

51 33.7 29.8 44.8



#16

Acetone

Concen: 104.736 ug/l

RT: 2.22 min Scan# 161

Delta R.T. -0.03 min

Lab File: VF061706.D

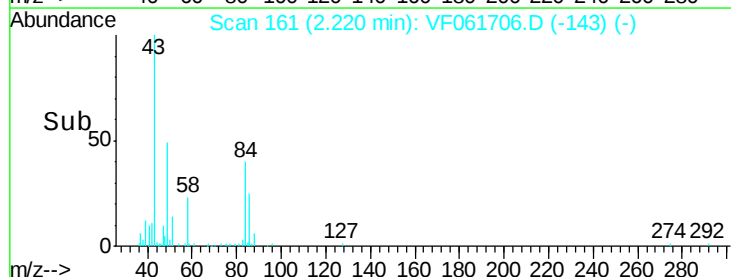
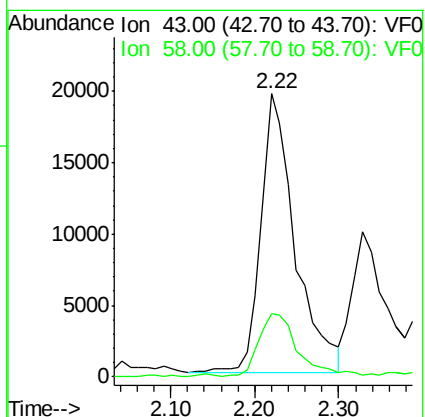
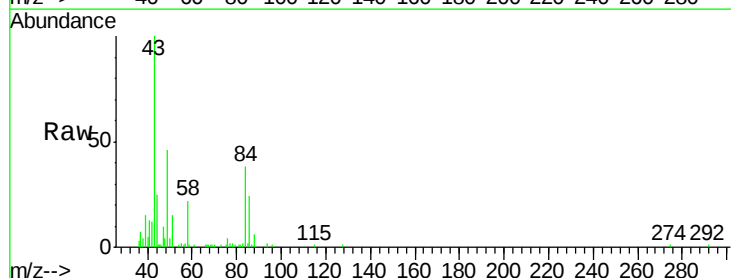
Acq: 22 Feb 2019 13:51

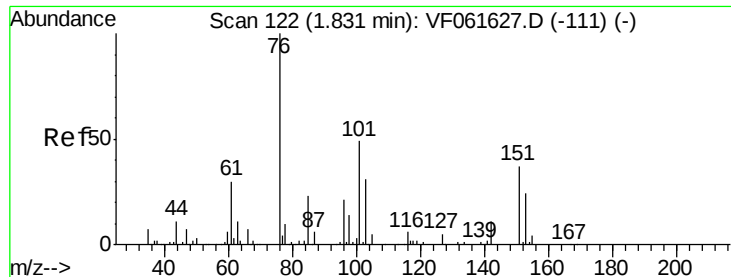
Tgt Ion: 43 Resp: 55905

Ion Ratio Lower Upper

43 100

58 22.2 22.9 34.3#

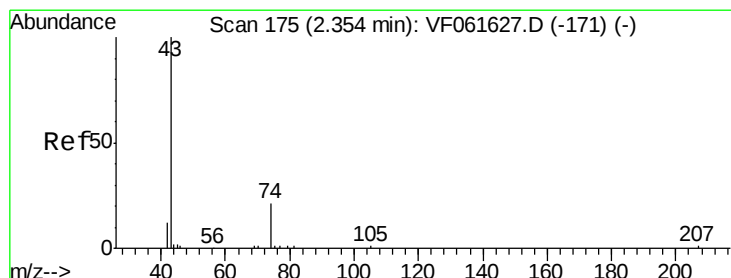
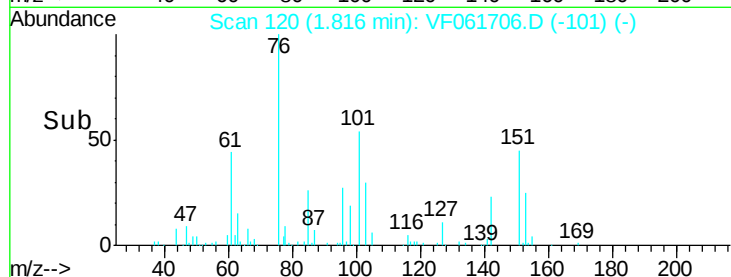
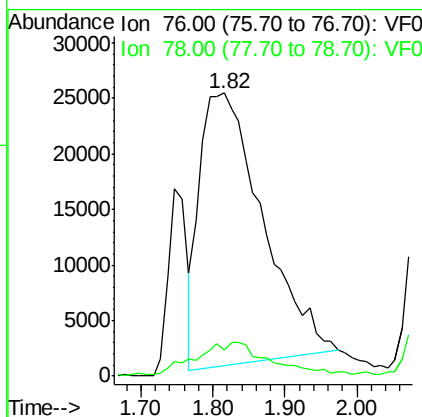
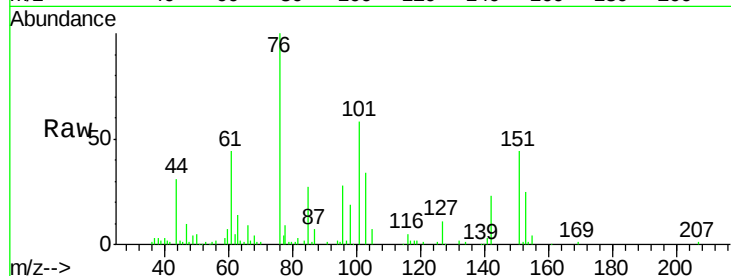




#17
Carbon Disulfide
Concen: 16.238 ug/l
RT: 1.82 min Scan# 120
Delta R.T. -0.02 min
Lab File: VF061706.D
Acq: 22 Feb 2019 13:51

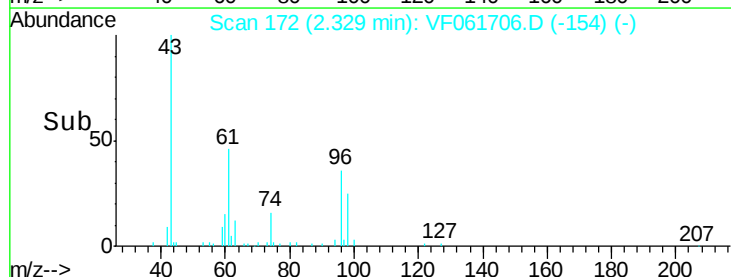
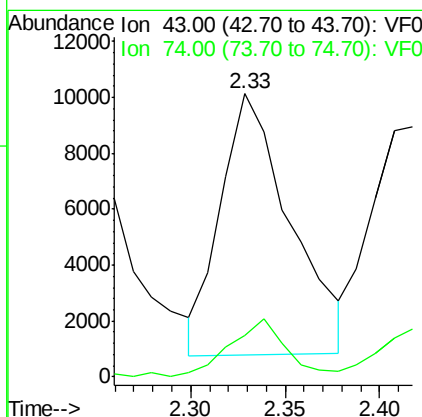
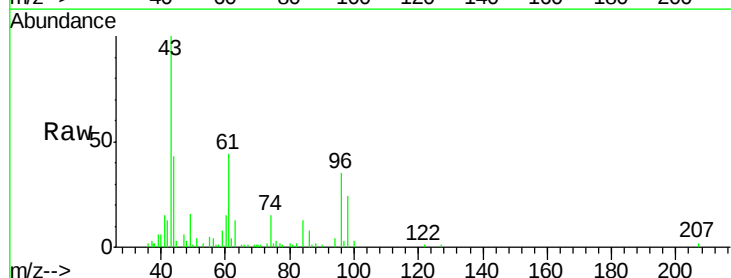
Instrument :
MSVOA_F
ClientSampleId :
VF0222SBS01

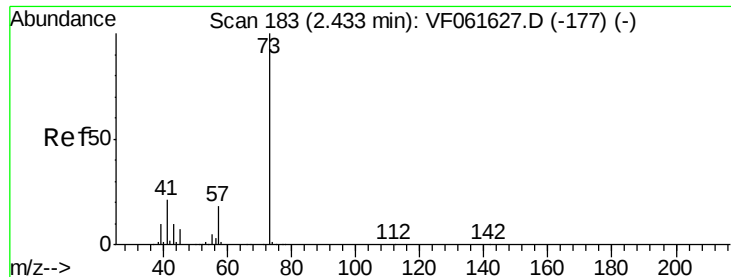
Tot Ion: 76 Resp: 148383
Ion Ratio Lower Upper
76 100
78 9.3 7.9 11.9



#18
Methyl Acetate
Concen: 19.963 ug/l
RT: 2.33 min Scan# 172
Delta R.T. -0.03 min
Lab File: VF061706.D
Acq: 22 Feb 2019 13:51

Tgt Ion: 43 Resp: 24005
Ion Ratio Lower Upper
43 100
74 14.8 14.6 21.8



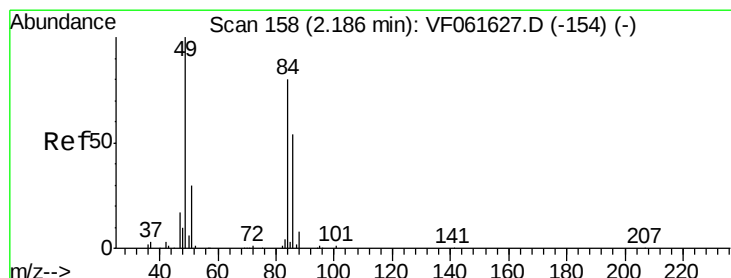
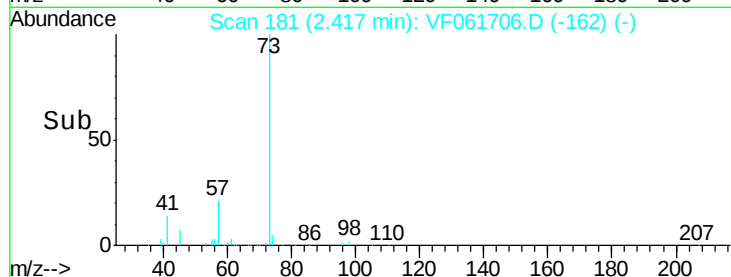
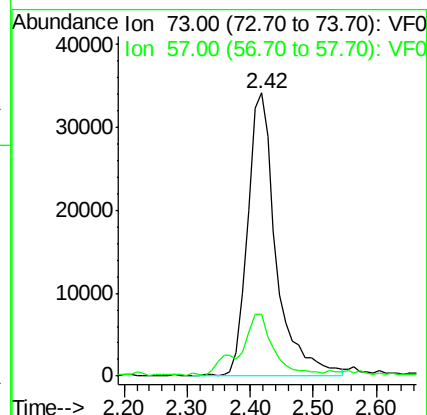
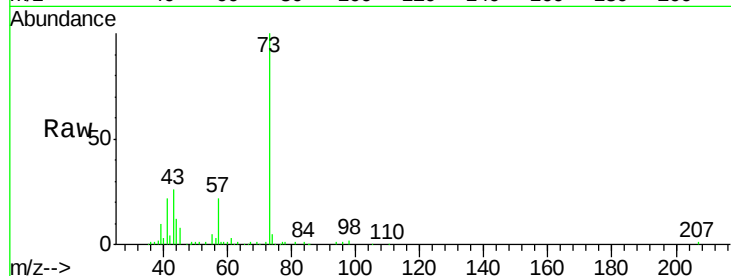


#19

Methyl tert-butyl Ether
 Concen: 21.589 ug/l
 RT: 2.42 min Scan# 181
 Delta R.T. -0.02 min
 Lab File: VF061706.D
 Acq: 22 Feb 2019 13:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0222SBS01

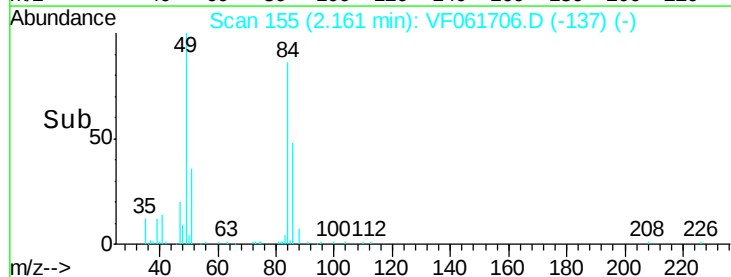
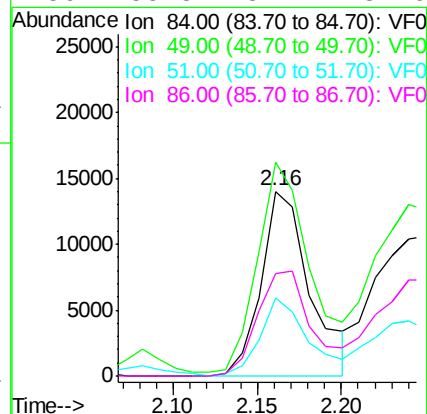
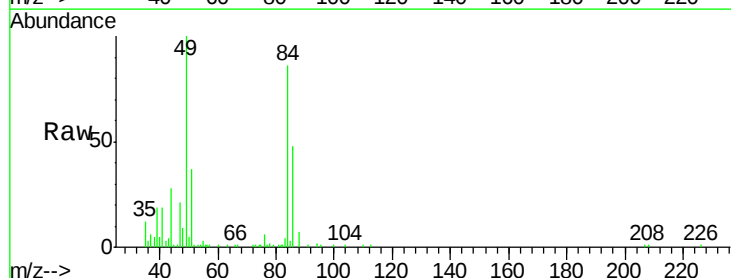
Tot Ion: 73 Resp: 107259
 Ion Ratio Lower Upper
 73 100
 57 21.9 15.8 23.8

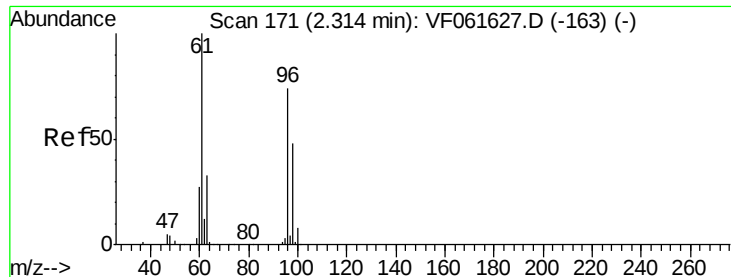


#20

Methylene Chloride
 Concen: 7.769 ug/l
 RT: 2.16 min Scan# 155
 Delta R.T. -0.03 min
 Lab File: VF061706.D
 Acq: 22 Feb 2019 13:51

Tgt Ion: 84 Resp: 28309
 Ion Ratio Lower Upper
 84 100
 49 115.8 101.8 152.8
 51 42.4 31.1 46.7
 86 55.8 54.4 81.6





#21

trans-1,2-Dichloroethene

Concen: 22.025 ug/l

RT: 2.30 min Scan# 169

Delta R.T. -0.02 min

Lab File: VF061706.D

Acq: 22 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

VF0222SBS01

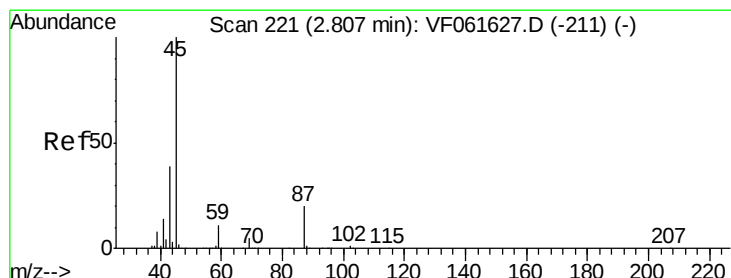
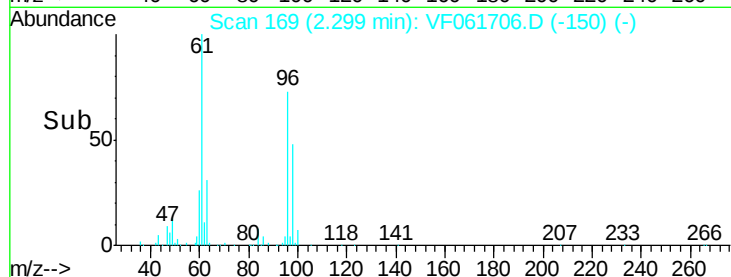
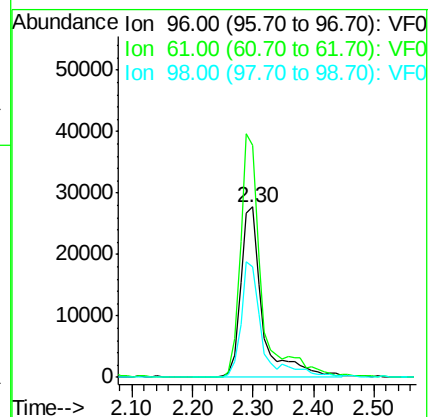
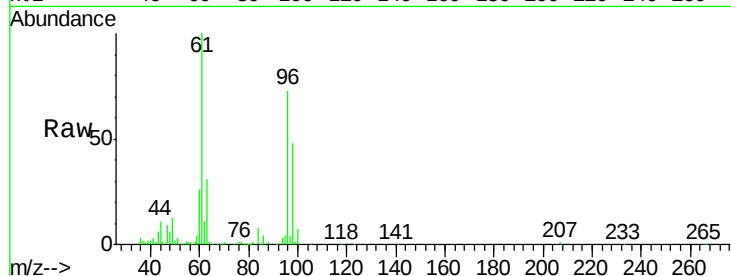
Tot Ion: 96 Resp: 69605

Ion Ratio Lower Upper

96 100

61 136.3 108.2 162.4

98 64.8 52.2 78.2



#22

Diisopropyl ether

Concen: 20.699 ug/l

RT: 2.78 min Scan# 218

Delta R.T. -0.03 min

Lab File: VF061706.D

Acq: 22 Feb 2019 13:51

Tgt Ion: 45 Resp: 177247

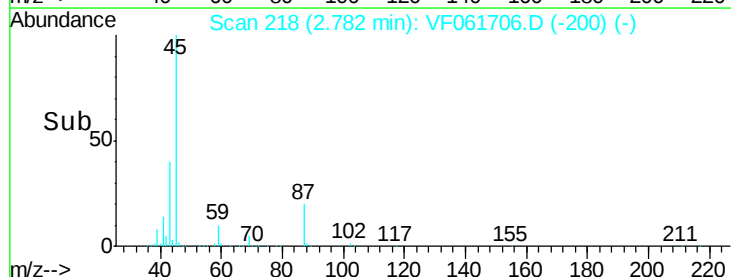
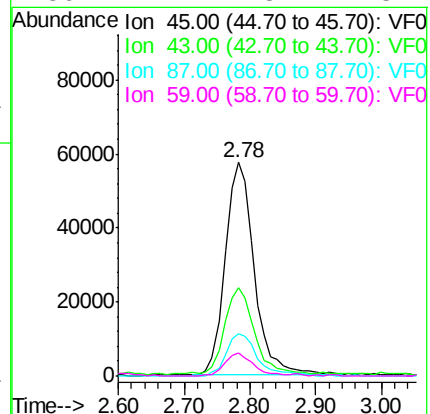
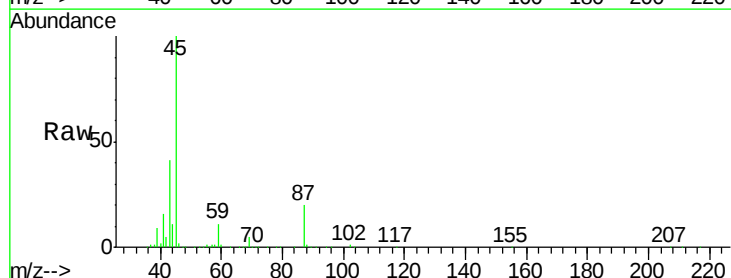
Ion Ratio Lower Upper

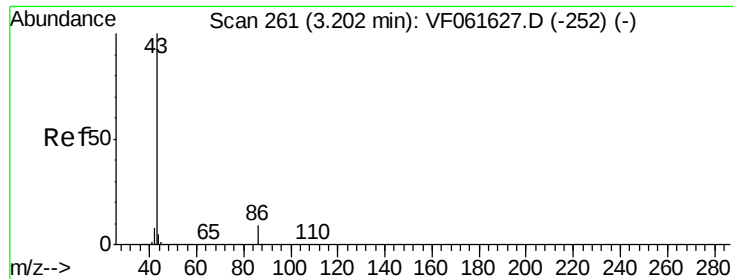
45 100

43 41.4 31.4 47.2

87 19.6 16.3 24.5

59 11.1 8.7 13.1





#23

Vinyl Acetate

Concen: 94.339 ug/l

RT: 3.17 min Scan# 257

Delta R.T. -0.04 min

Lab File: VF061706.D

Acq: 22 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

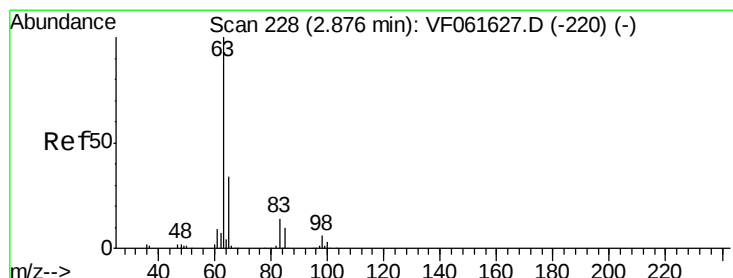
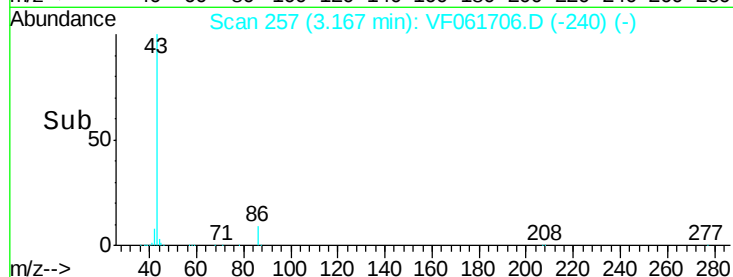
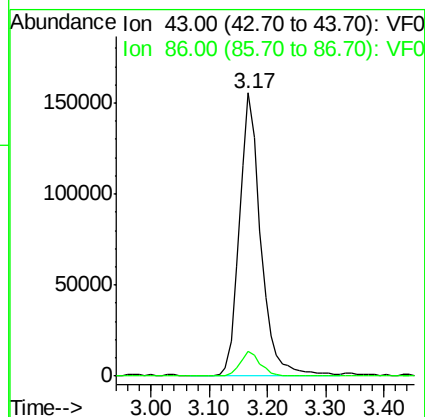
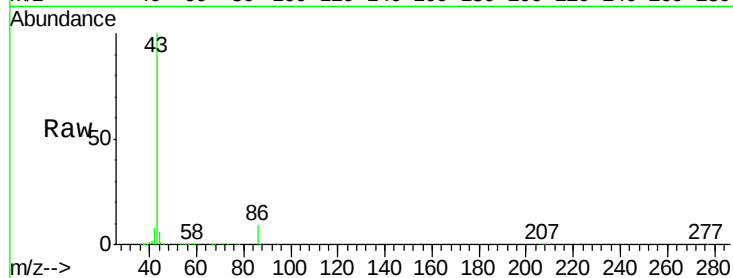
VF0222SBS01

Tot Ion: 43 Resp: 394567

Ion Ratio Lower Upper

43 100

86 8.9 7.5 11.3



#24

1,1-Dichloroethane

Concen: 21.635 ug/l

RT: 2.85 min Scan# 225

Delta R.T. -0.03 min

Lab File: VF061706.D

Acq: 22 Feb 2019 13:51

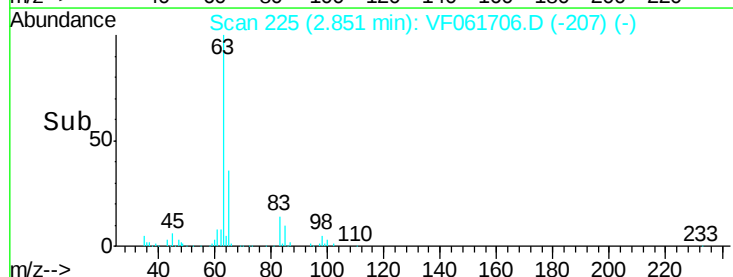
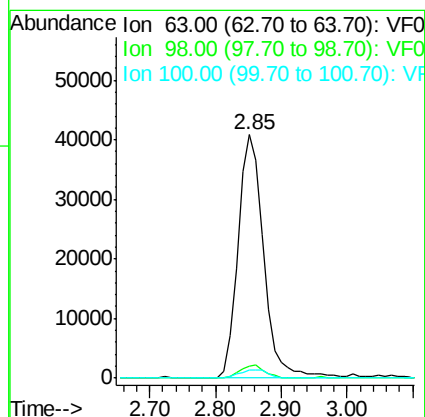
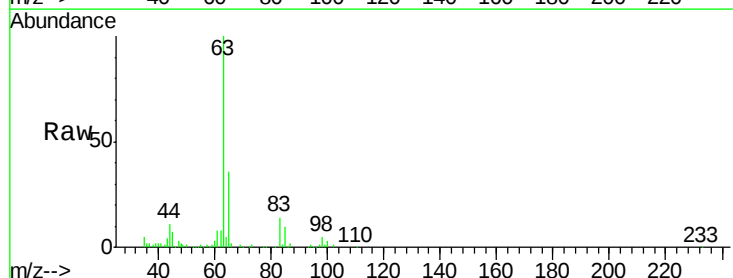
Tgt Ion: 63 Resp: 112116

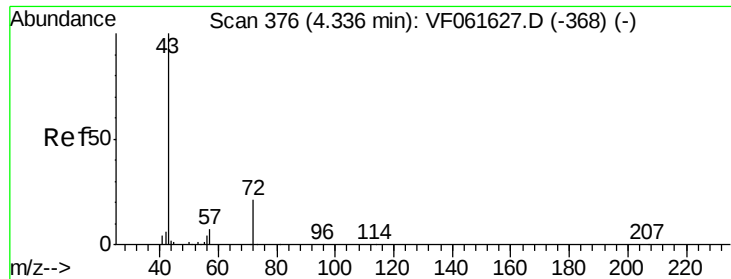
Ion Ratio Lower Upper

63 100

98 5.0 2.8 8.3

100 3.3 1.8 5.4





#25

2-Butanone

Concen: 98.611 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.02 min

Lab File: VF061706.D

Acq: 22 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

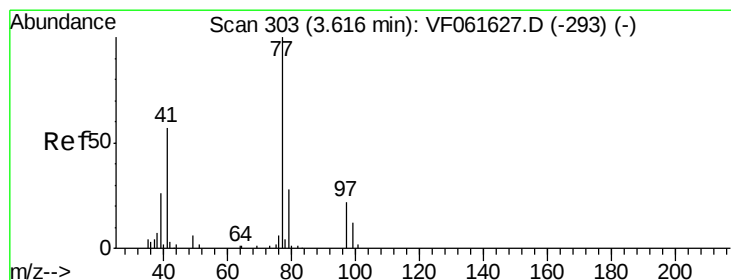
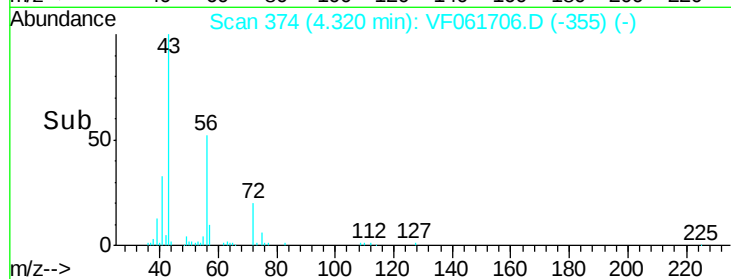
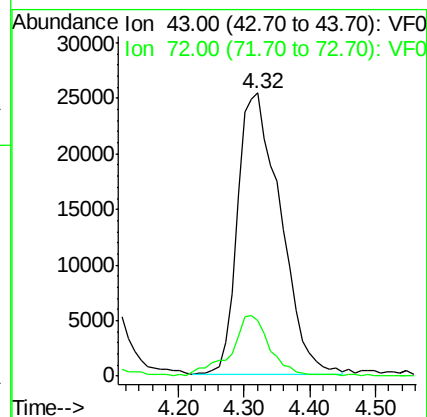
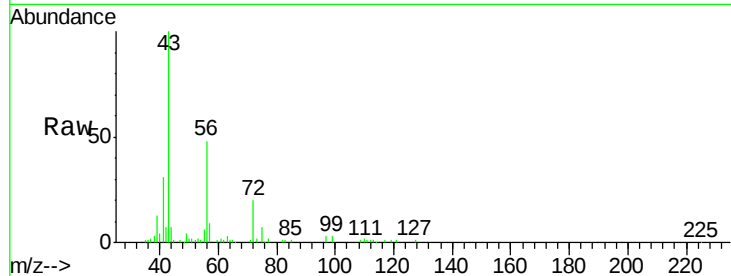
VF0222SBS01

Tot Ion: 43 Resp: 114973

Ion Ratio Lower Upper

43 100

72 19.7 17.1 25.7



#26

2,2-Dichloropropane

Concen: 25.102 ug/l

RT: 3.57 min Scan# 298

Delta R.T. -0.04 min

Lab File: VF061706.D

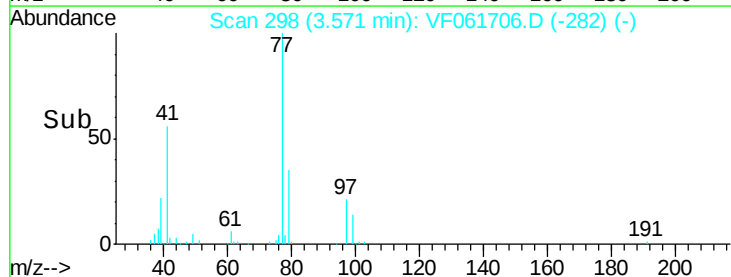
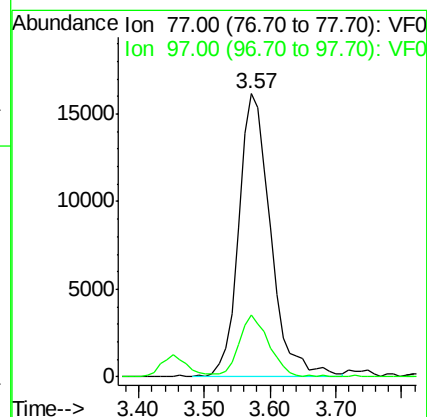
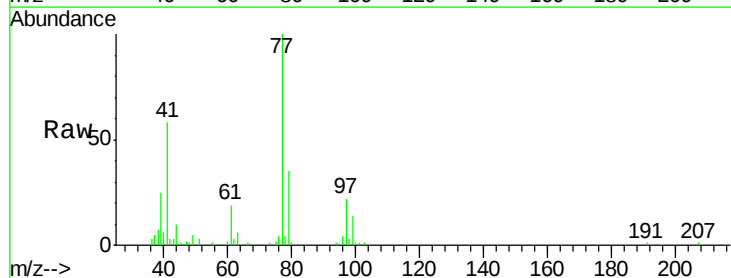
Acq: 22 Feb 2019 13:51

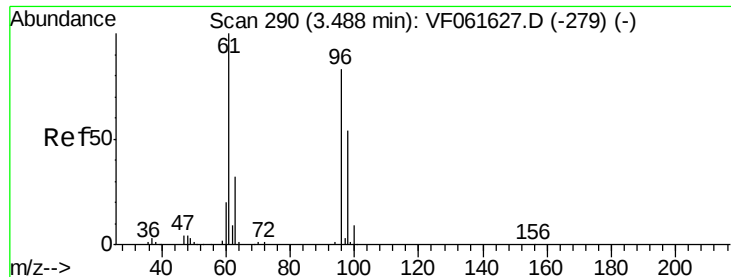
Tgt Ion: 77 Resp: 55099

Ion Ratio Lower Upper

77 100

97 21.8 11.7 35.0



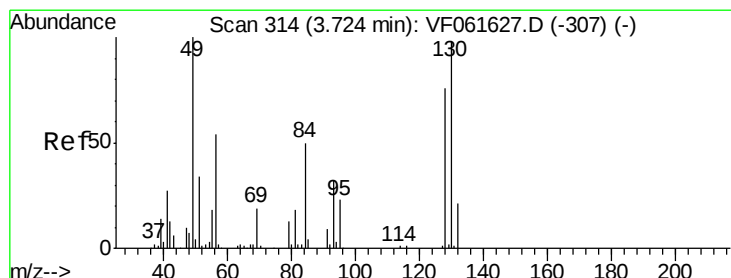
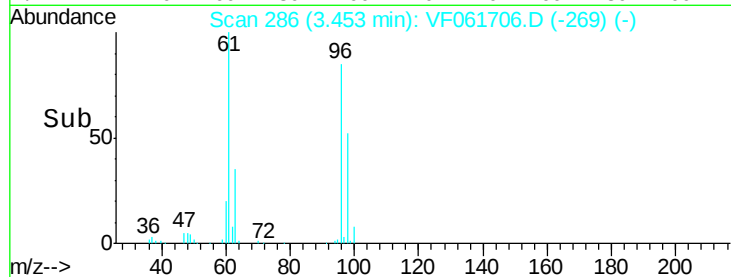
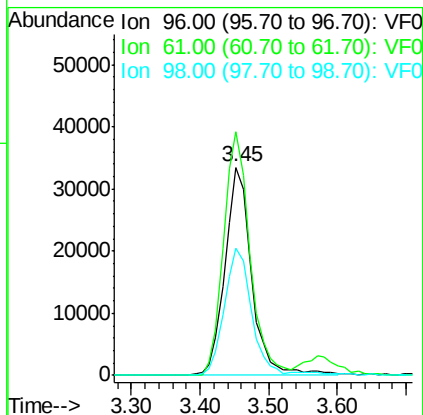
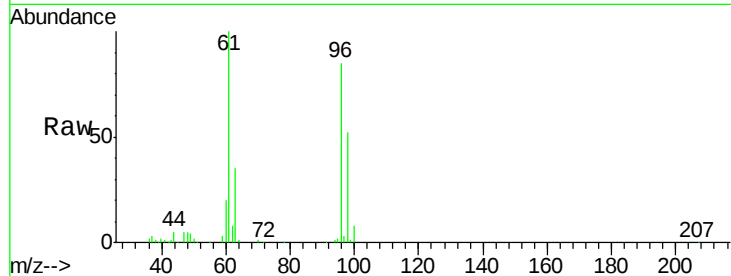


#27

cis-1,2-Dichloroethene
Concen: 21.684 ug/l
RT: 3.45 min Scan# 286
Delta R.T. -0.04 min
Lab File: VF061706.D
Acq: 22 Feb 2019 13:51

Instrument :
MSVOA_F
ClientSampleId :
VF0222SBS01

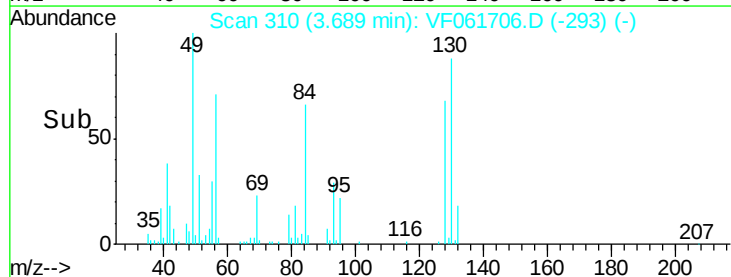
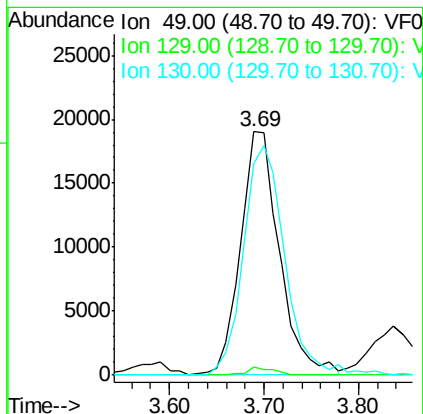
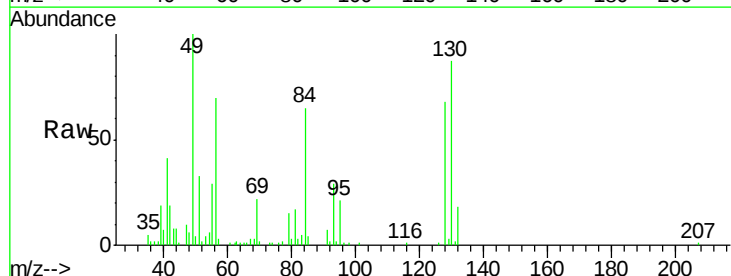
Tot Ion: 96 Resp: 89946
Ion Ratio Lower Upper
96 100
61 117.2 0.0 241.6
98 61.2 0.0 130.2

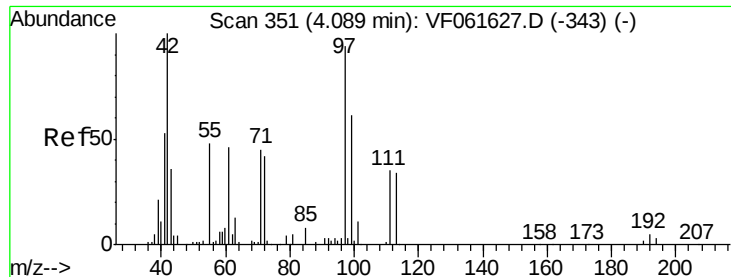


#28

Bromochloromethane
Concen: 21.901 ug/l
RT: 3.69 min Scan# 310
Delta R.T. -0.04 min
Lab File: VF061706.D
Acq: 22 Feb 2019 13:51

Tgt Ion: 49 Resp: 54454
Ion Ratio Lower Upper
49 100
129 3.2 0.0 3.4
130 87.1 77.7 116.5

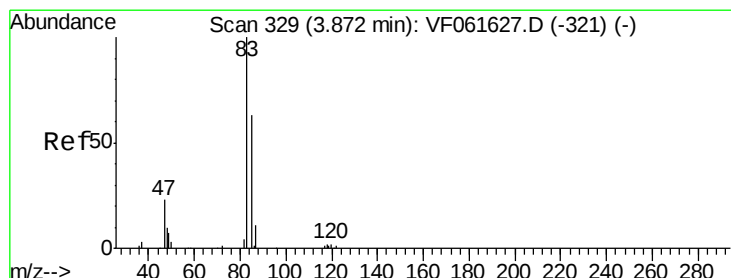
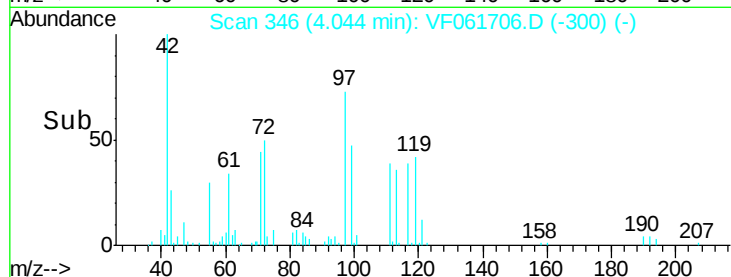
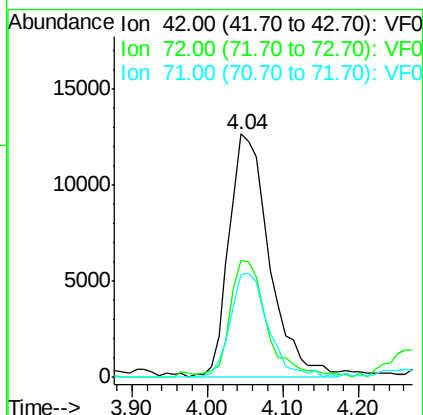
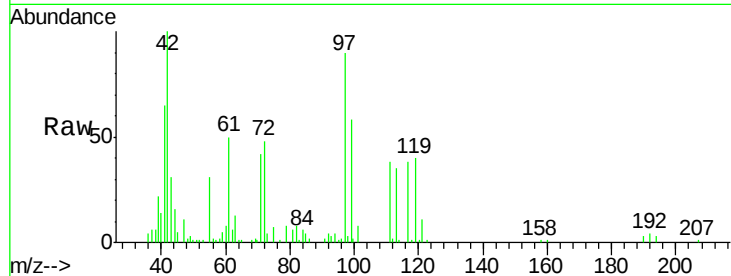




#29
Tetrahydrofuran
Concen: 88.537 ug/l
RT: 4.04 min Scan# 346
Delta R.T. -0.04 min
Lab File: VF061706.D
Acq: 22 Feb 2019 13:51

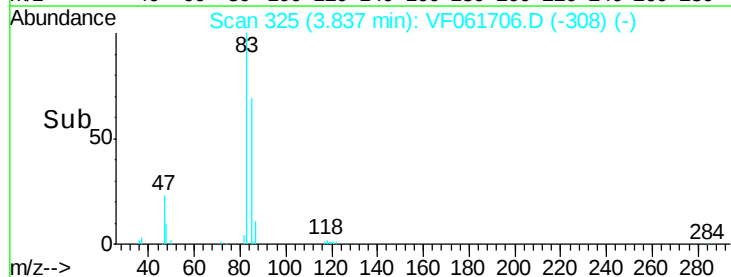
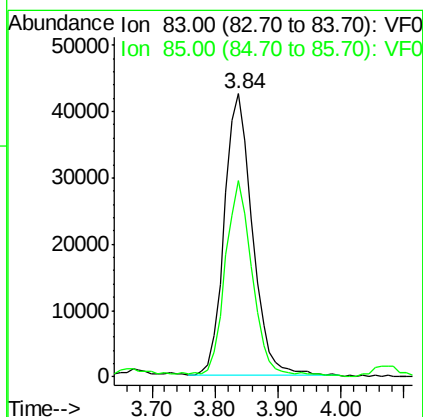
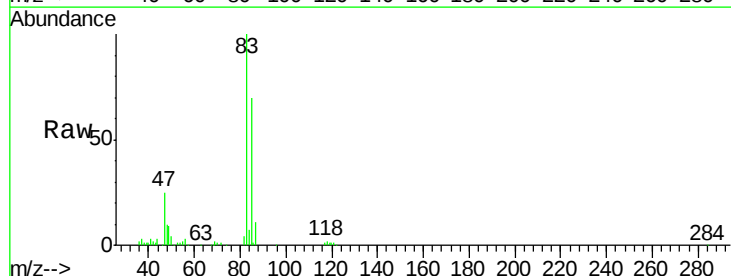
Instrument :
MSVOA_F
ClientSampleId :
VF0222SBS01

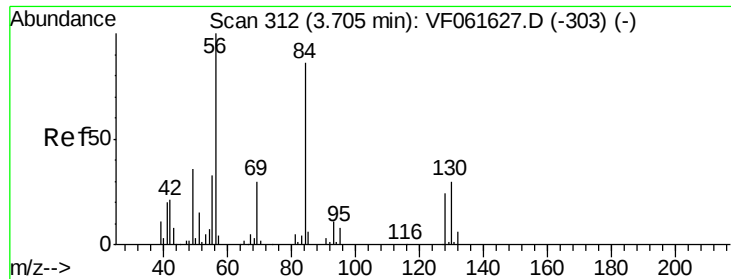
Tot Ion: 42 Resp: 46918
Ion Ratio Lower Upper
42 100
72 43.9 35.2 52.8
71 39.9 32.9 49.3



#30
Chloroform
Concen: 22.197 ug/l
RT: 3.84 min Scan# 325
Delta R.T. -0.04 min
Lab File: VF061706.D
Acq: 22 Feb 2019 13:51

Tgt Ion: 83 Resp: 130810
Ion Ratio Lower Upper
83 100
85 69.6 51.1 76.7

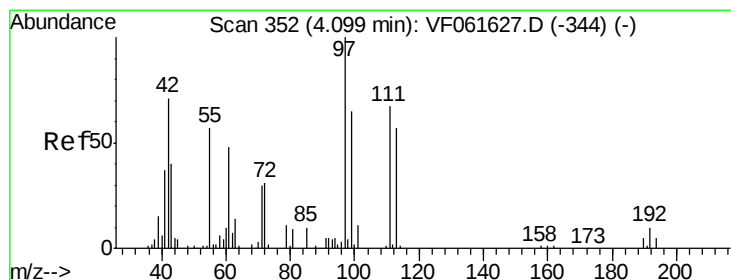
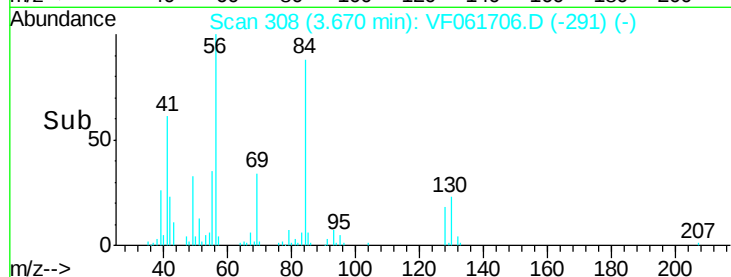
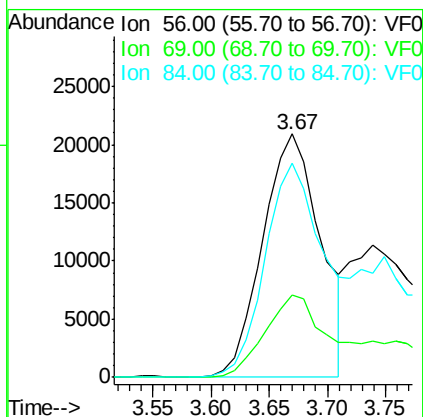
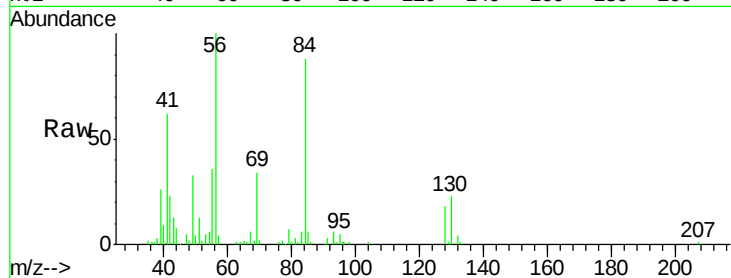




#31
Cyclohexane
Concen: 12.898 ug/l
RT: 3.67 min Scan# 308
Delta R.T. -0.04 min
Lab File: VF061706.D
Acq: 22 Feb 2019 13:51

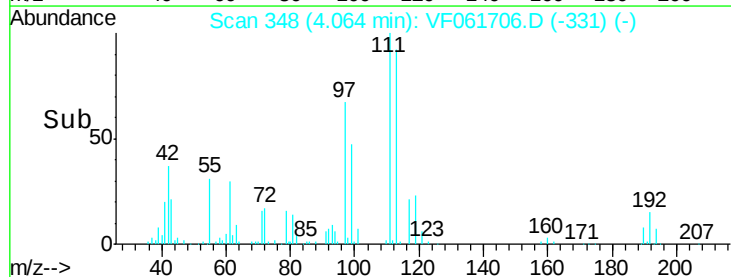
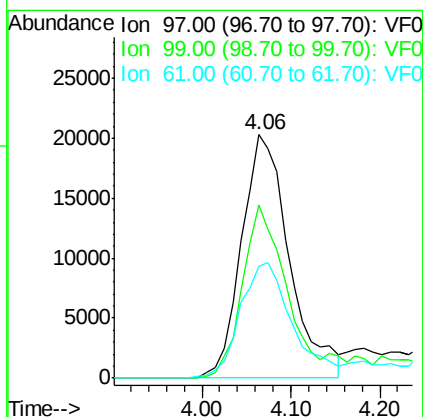
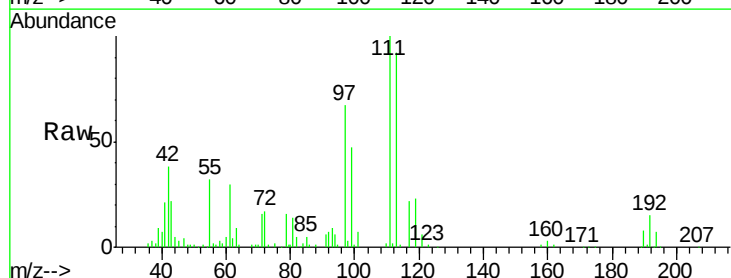
Instrument :
MSVOA_F
ClientSampleId :
VF0222SBS01

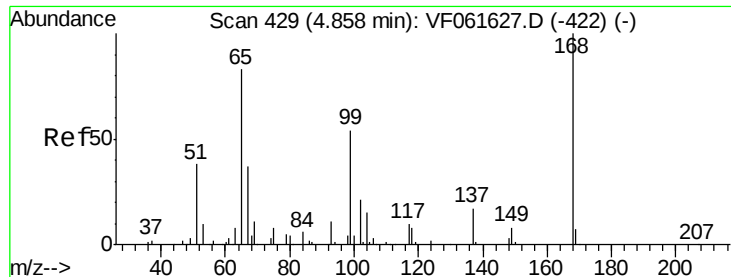
Tot Ion: 56 Resp: 72353
Ion Ratio Lower Upper
56 100
69 33.7 23.8 35.8
84 88.0 68.6 103.0



#32
1,1,1-Trichloroethane
Concen: 19.586 ug/l
RT: 4.06 min Scan# 348
Delta R.T. -0.04 min
Lab File: VF061706.D
Acq: 22 Feb 2019 13:51

Tgt Ion: 97 Resp: 75608
Ion Ratio Lower Upper
97 100
99 71.2 52.2 78.2
61 45.7 39.2 58.8

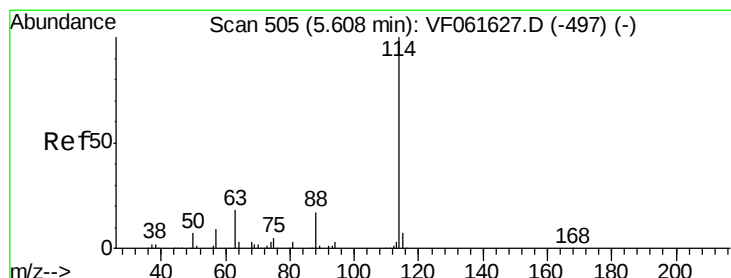
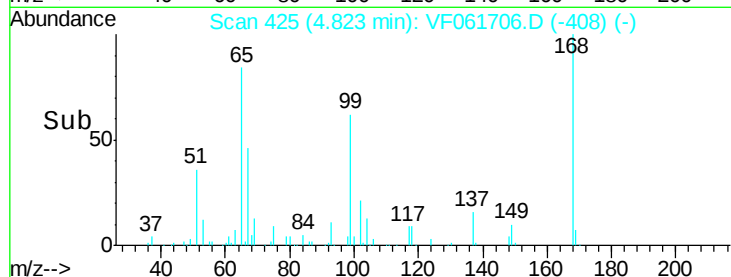
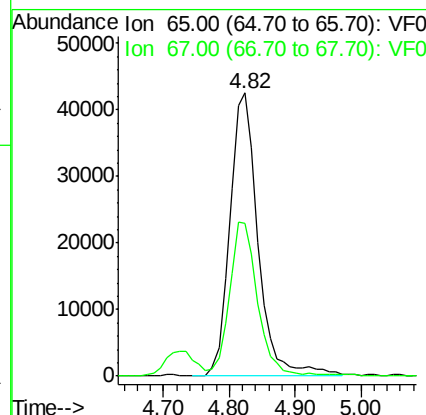
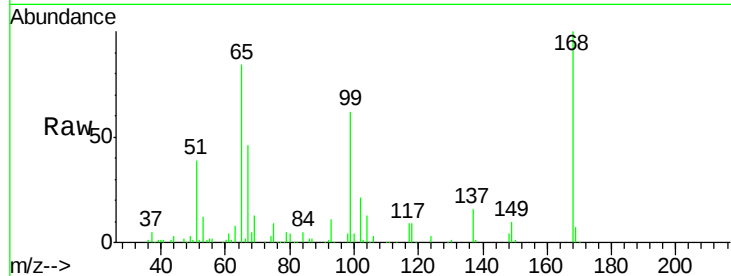




#33
 1,2-Dichloroethane-d4
 Concen: 51.363 ug/l
 RT: 4.82 min Scan# 425
 Delta R.T. -0.04 min
 Lab File: VF061706.D
 Acq: 22 Feb 2019 13:51

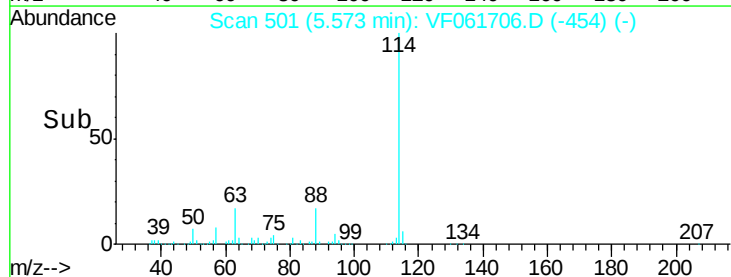
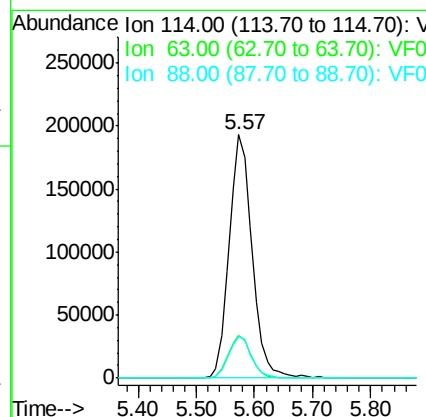
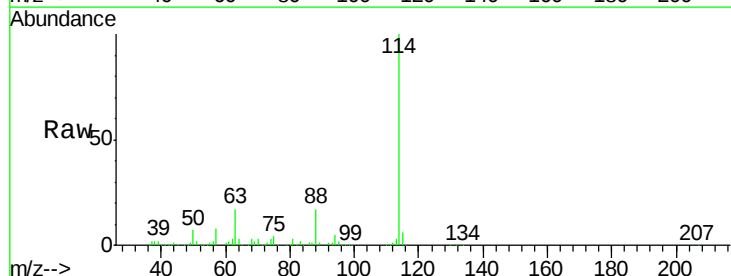
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0222SBS01

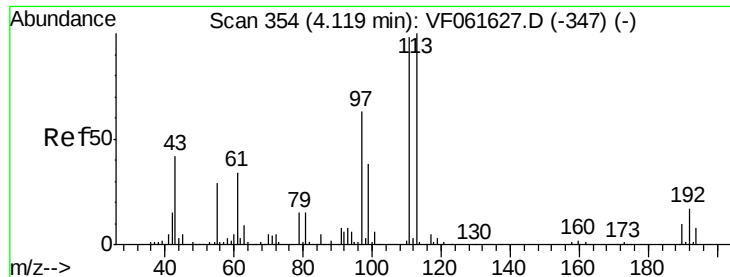
Tot Ion: 65 Resp: 127781
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.57 min Scan# 501
 Delta R.T. -0.04 min
 Lab File: VF061706.D
 Acq: 22 Feb 2019 13:51

Tgt Ion: 114 Resp: 529040
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 36.6
 88 16.8 0.0 34.4





#35

Dibromofluoromethane

Concen: 47.737 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.04 min

Lab File: VF061706.D

Acq: 22 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

VF0222SBS01

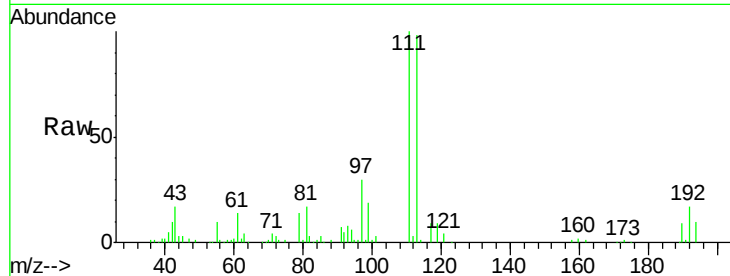
Tot Ion:113 Resp: 187544

Ion Ratio Lower Upper

113 100

111 101.8 78.8 118.2

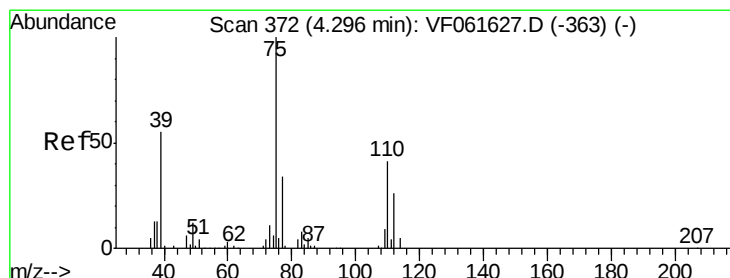
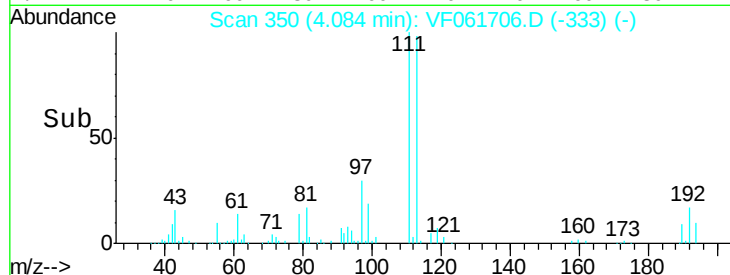
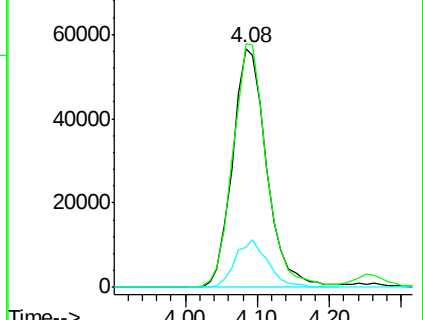
192 17.0 13.4 20.0



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: 21.172 ug/l

RT: 4.25 min Scan# 367

Delta R.T. -0.04 min

Lab File: VF061706.D

Acq: 22 Feb 2019 13:51

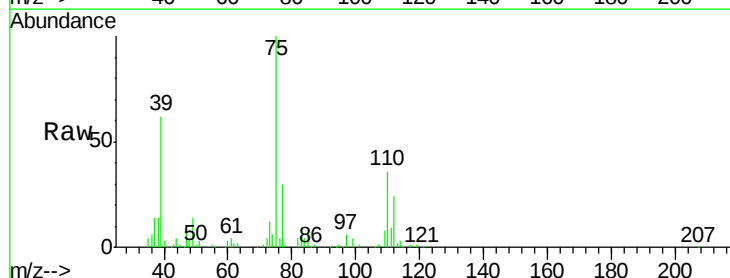
Tgt Ion: 75 Resp: 110960

Ion Ratio Lower Upper

75 100

110 36.3 20.5 61.6

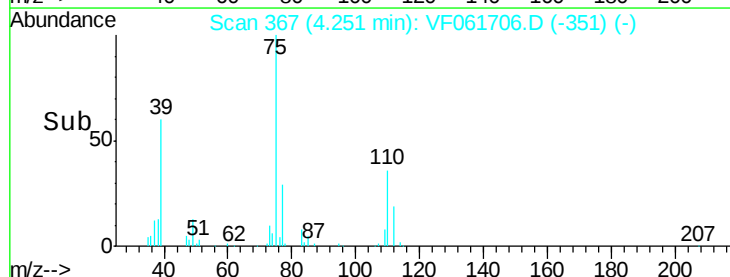
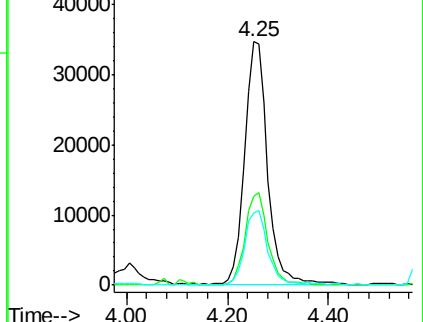
77 29.6 27.0 40.4

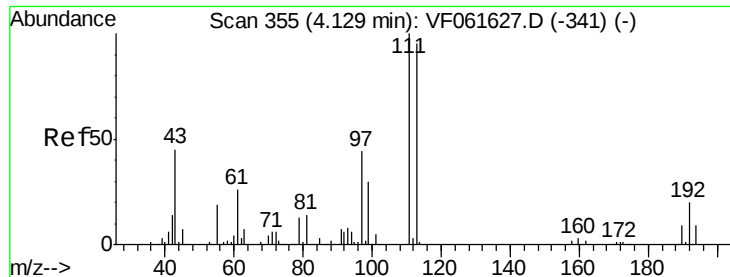


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

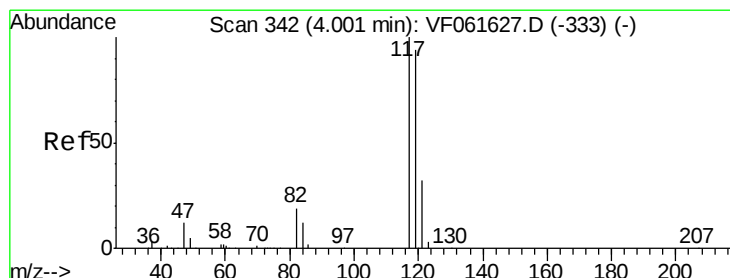
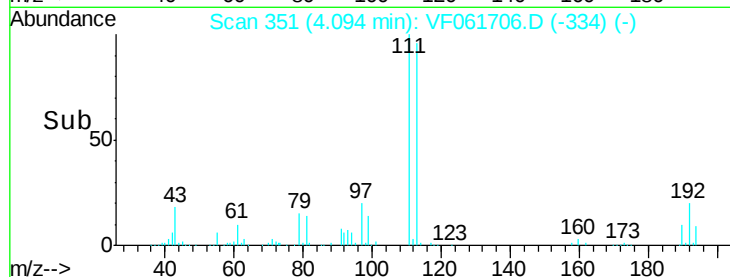
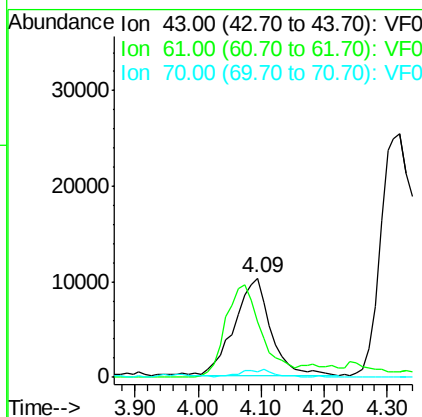
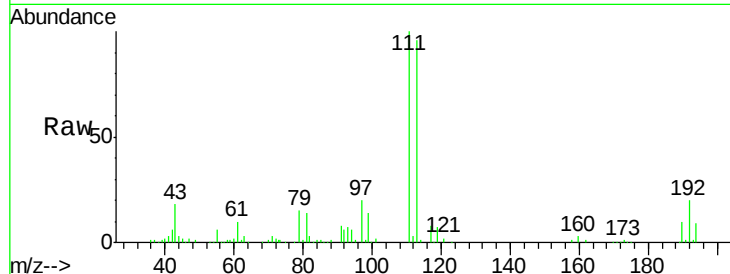




#37
Ethyl Acetate
Concen: 16.638 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.04 min
Lab File: VF061706.D
Acq: 22 Feb 2019 13:51

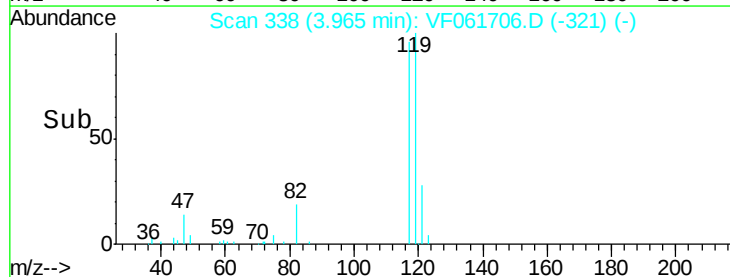
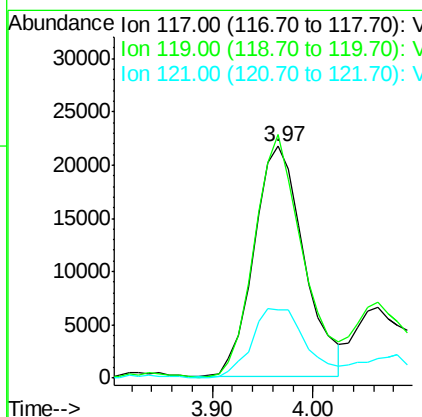
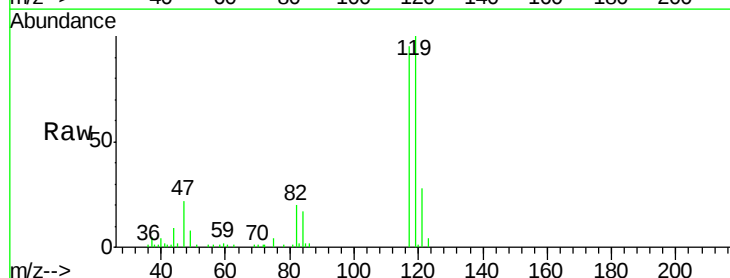
Instrument :
MSVOA_F
ClientSampleId :
VF0222SBS01

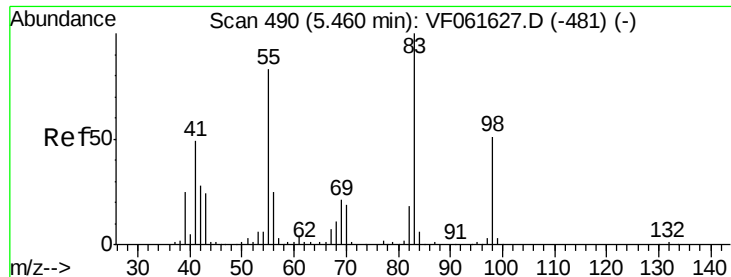
Tot Ion: 43 Resp: 40501
Ion Ratio Lower Upper
43 100
61 55.3 45.7 68.5
70 5.6 8.5 12.7#



#38
Carbon Tetrachloride
Concen: 20.684 ug/l
RT: 3.97 min Scan# 338
Delta R.T. -0.04 min
Lab File: VF061706.D
Acq: 22 Feb 2019 13:51

Tgt Ion: 117 Resp: 74850
Ion Ratio Lower Upper
117 100
119 105.0 75.6 113.4
121 29.6 25.2 37.8

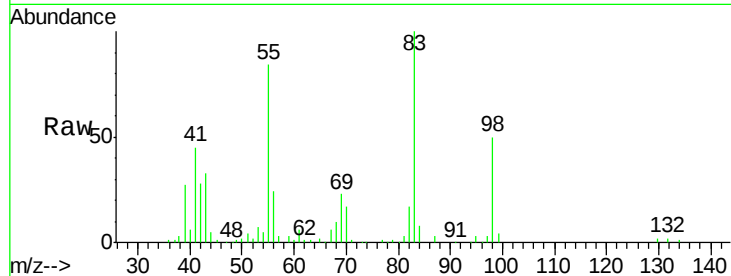




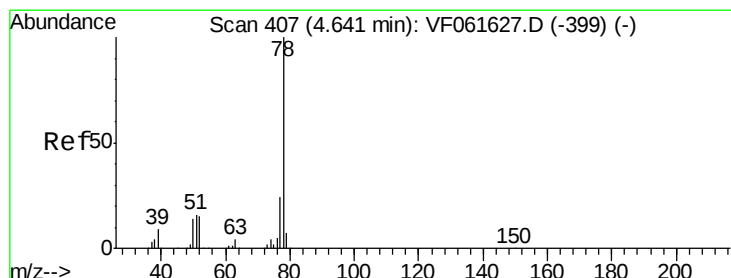
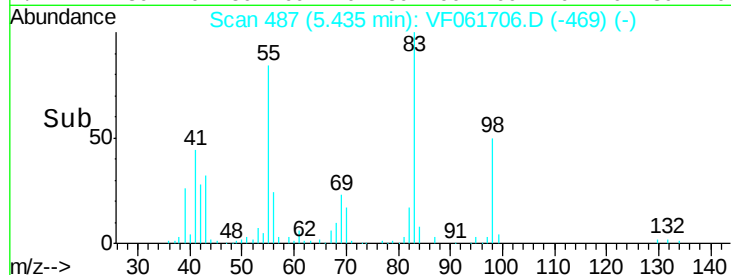
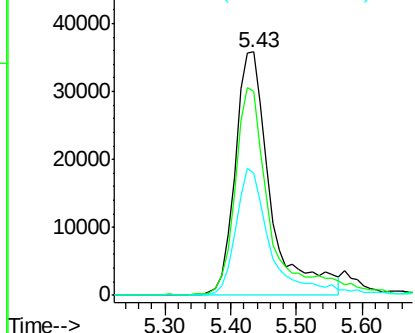
#39
Methvlcvclohexane
Concen: 21.847 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.03 min
Lab File: VF061706.D
Acq: 22 Feb 2019 13:51

Instrument :
MSVOA_F
ClientSampleId :
VF0222SBS01

Tot Ion: 83 Resp: 135412
Ion Ratio Lower Upper
83 100
55 83.9 66.6 99.8
98 50.1 40.4 60.6

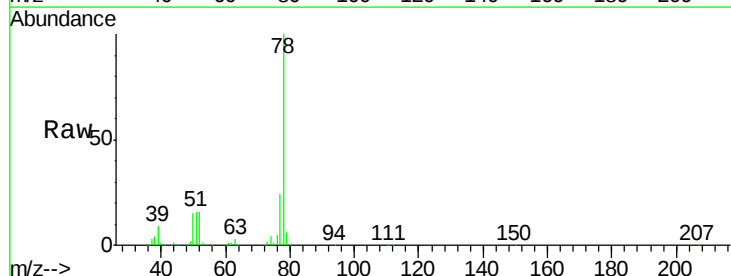


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

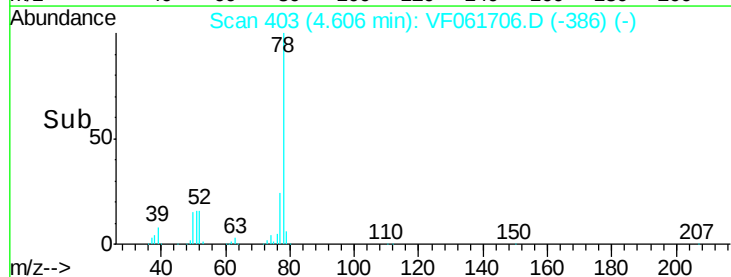
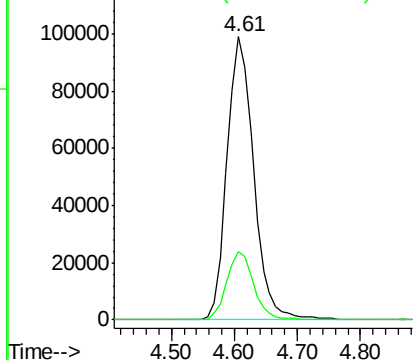


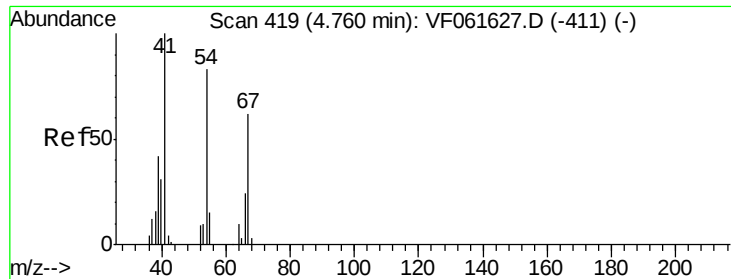
#40
Benzene
Concen: 21.191 ug/l
RT: 4.61 min Scan# 403
Delta R.T. -0.04 min
Lab File: VF061706.D
Acq: 22 Feb 2019 13:51

Tgt Ion: 78 Resp: 290485
Ion Ratio Lower Upper
78 100
77 24.2 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: 15.958 ug/l

RT: 4.72 min Scan# 415

Delta R.T. -0.04 min

Lab File: VF061706.D

Acq: 22 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

VF0222SBS01

Tot Ion: 41 Resp: 19865

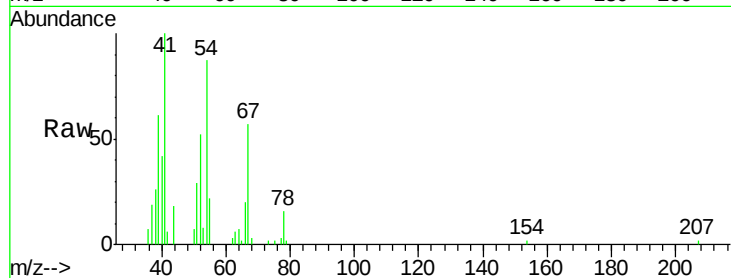
Ion Ratio Lower Upper

41 100

39 60.7 45.3 67.9

67 56.6 49.3 73.9

52 51.6 32.6 49.0#

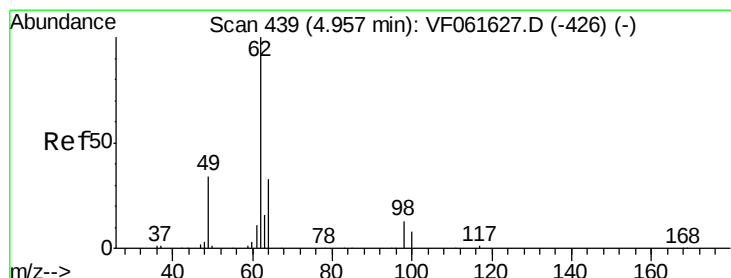
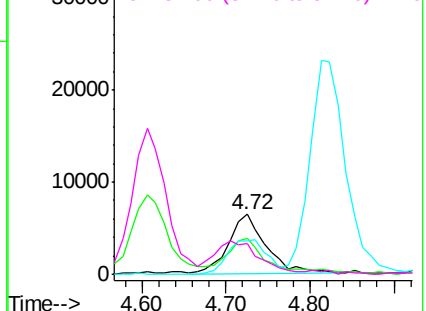
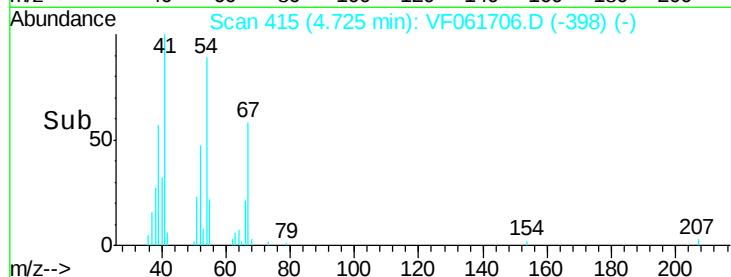


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 19.828 ug/l

RT: 4.92 min Scan# 435

Delta R.T. -0.04 min

Lab File: VF061706.D

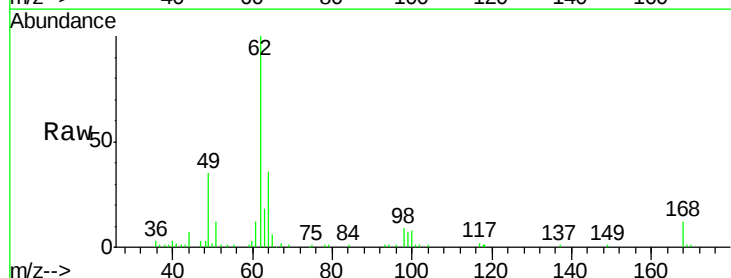
Acq: 22 Feb 2019 13:51

Tgt Ion: 62 Resp: 65018

Ion Ratio Lower Upper

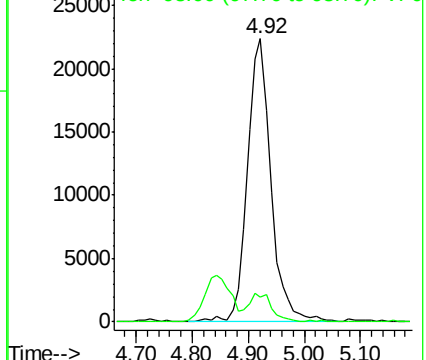
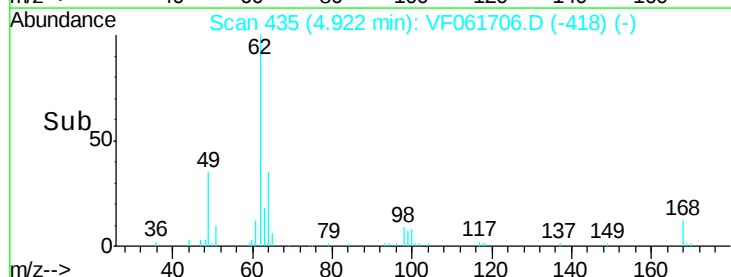
62 100

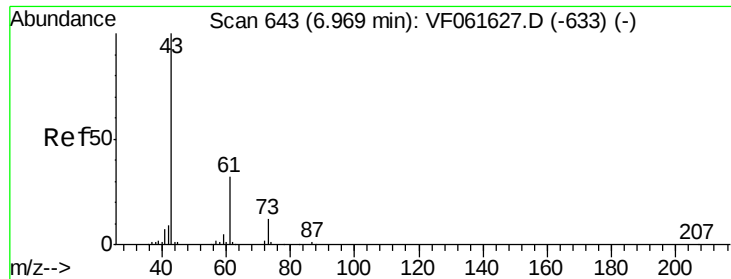
98 8.7 0.0 26.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



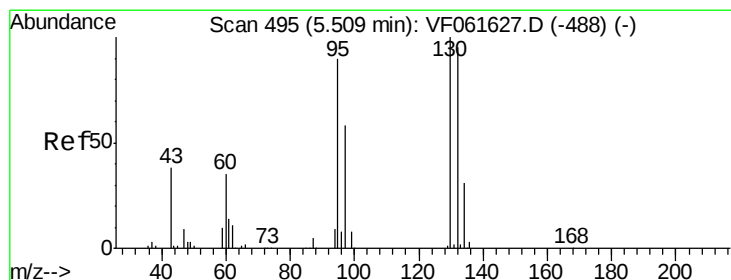
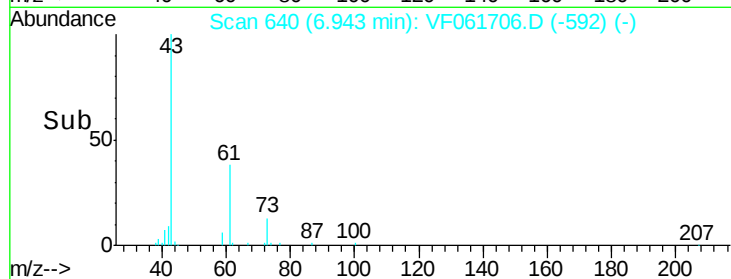
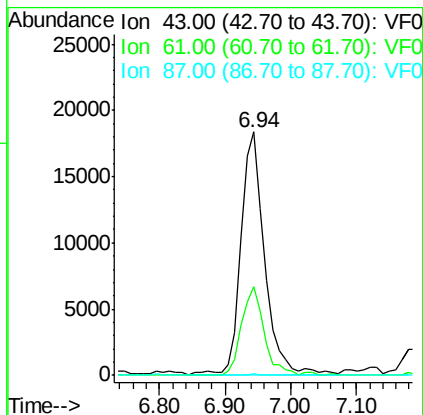
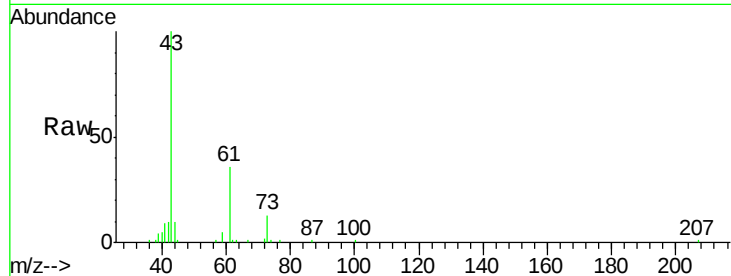


#43

Isopropyl Acetate
 Concen: 16.302 ug/l
 RT: 6.94 min Scan# 640
 Delta R.T. -0.03 min
 Lab File: VF061706.D
 Acq: 22 Feb 2019 13:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0222SBS01

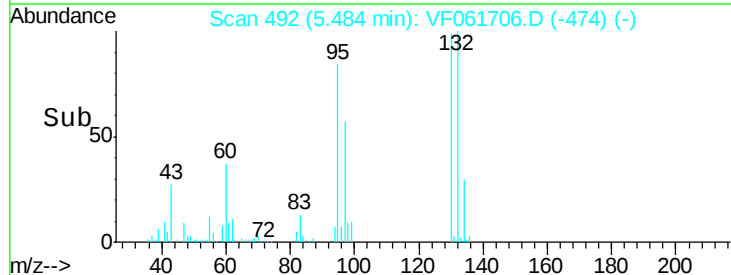
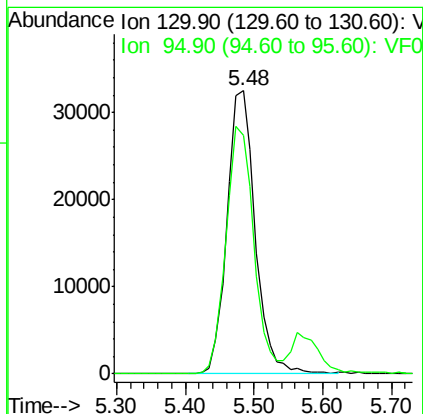
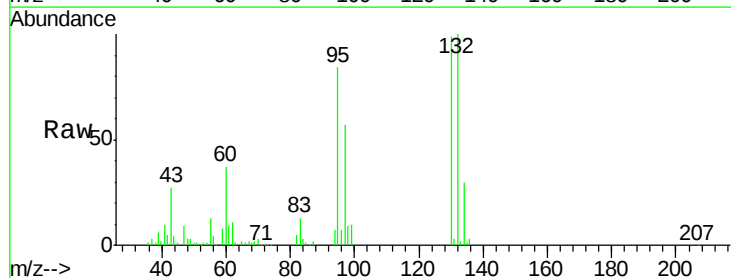
Tot Ion: 43 Resp: 46971
 Ion Ratio Lower Upper
 43 100
 61 36.3 25.8 38.6
 87 0.7 0.4 0.6#

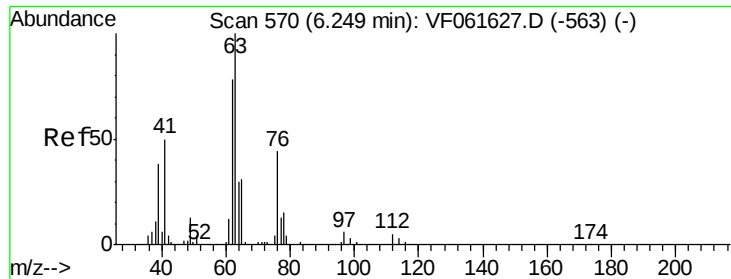


#44

Trichloroethene
 Concen: 20.873 ug/l
 RT: 5.48 min Scan# 492
 Delta R.T. -0.03 min
 Lab File: VF061706.D
 Acq: 22 Feb 2019 13:51

Tgt Ion: 130 Resp: 92527
 Ion Ratio Lower Upper
 130 100
 95 84.5 0.0 179.4





#45

1,2-Dichloropropane

Concen: 21.270 ug/l

RT: 6.21 min Scan# 566

Delta R.T. -0.04 min

Lab File: VF061706.D

Acq: 22 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

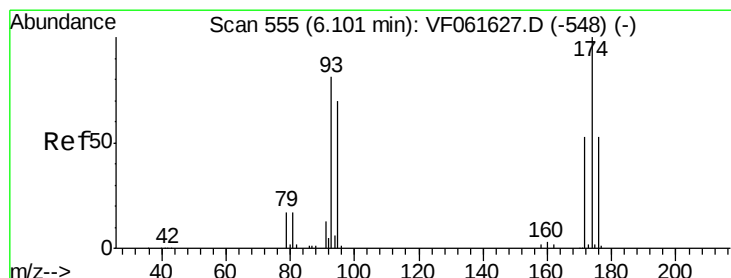
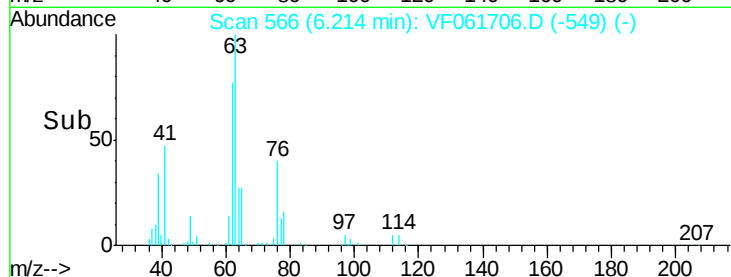
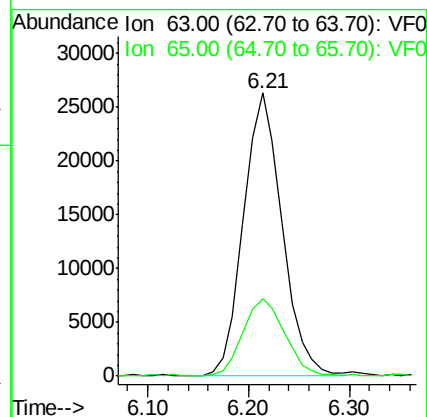
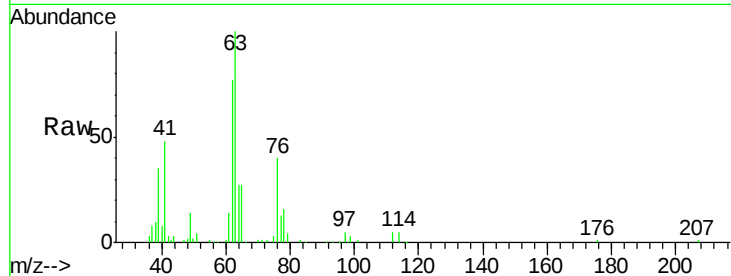
VF0222SBS01

Tot Ion: 63 Resp: 70479

Ion Ratio Lower Upper

63 100

65 27.4 24.9 37.3



#46

Dibromomethane

Concen: 19.342 ug/l

RT: 6.07 min Scan# 551

Delta R.T. -0.04 min

Lab File: VF061706.D

Acq: 22 Feb 2019 13:51

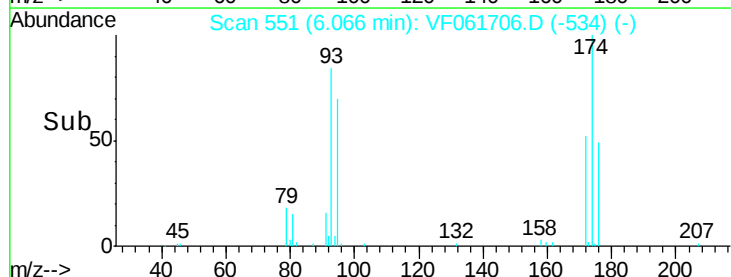
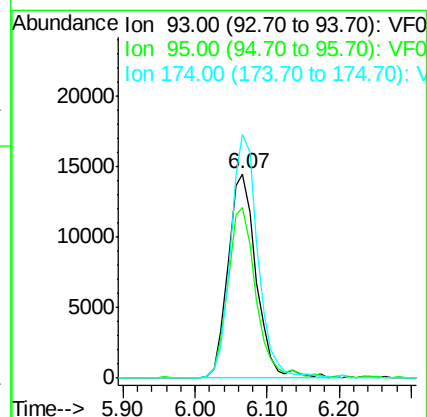
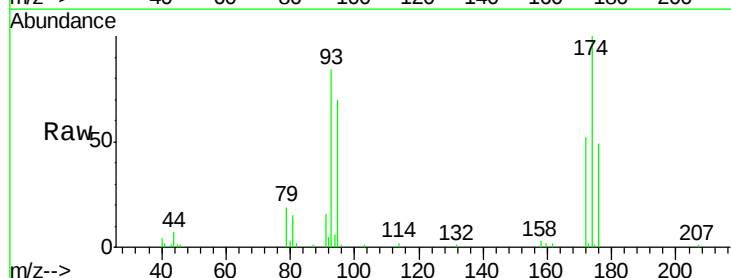
Tgt Ion: 93 Resp: 39460

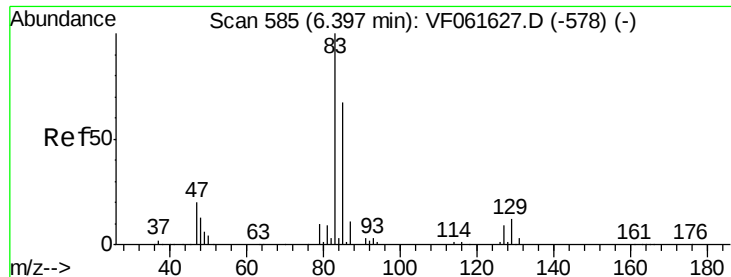
Ion Ratio Lower Upper

93 100

95 83.5 69.0 103.6

174 119.1 99.3 148.9





#47

Bromodichloromethane

Concen: 19.651 ug/l

RT: 6.36 min Scan# 581

Delta R.T. -0.04 min

Lab File: VF061706.D

Acq: 22 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

VF0222SBS01

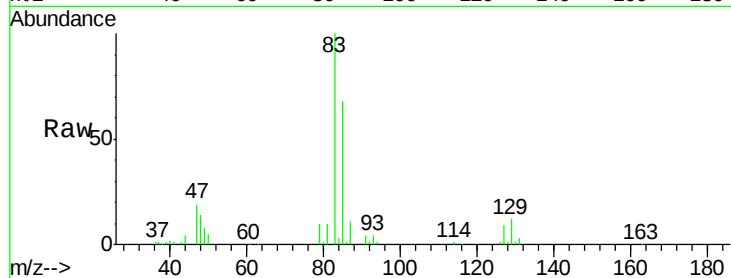
Tot Ion: 83 Resp: 87796

Ion Ratio Lower Upper

83 100

85 68.2 53.4 80.2

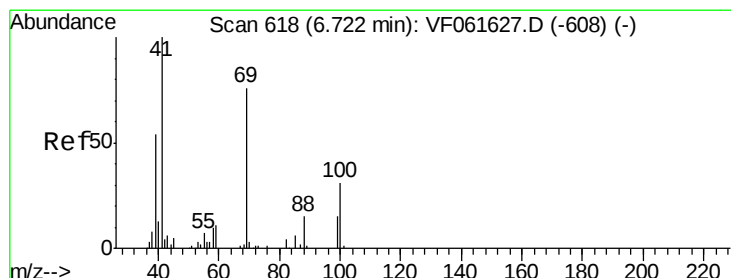
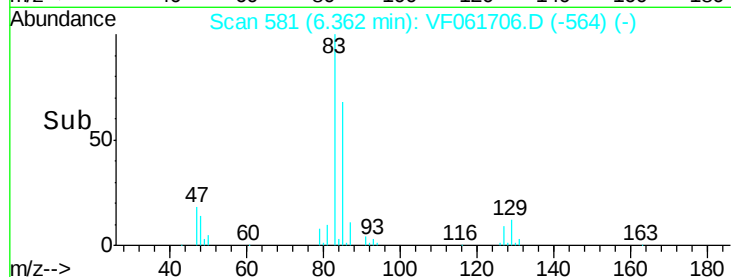
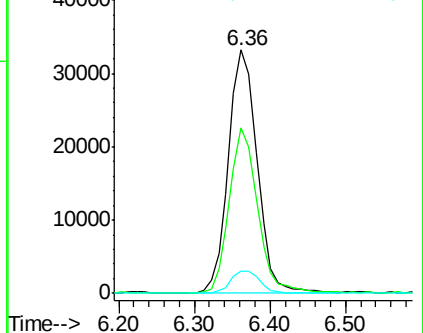
127 9.1 7.5 11.3



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: 15.393 ug/l

RT: 6.70 min Scan# 615

Delta R.T. -0.03 min

Lab File: VF061706.D

Acq: 22 Feb 2019 13:51

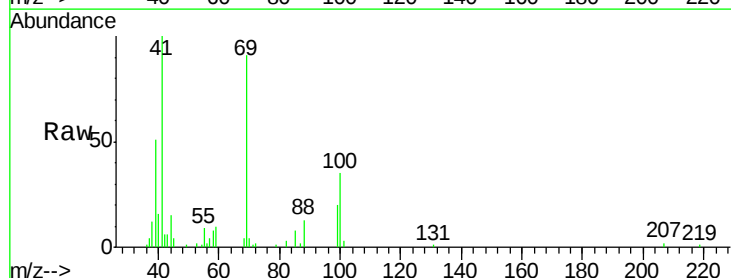
Tgt Ion: 41 Resp: 26691

Ion Ratio Lower Upper

41 100

69 90.8 60.4 90.6#

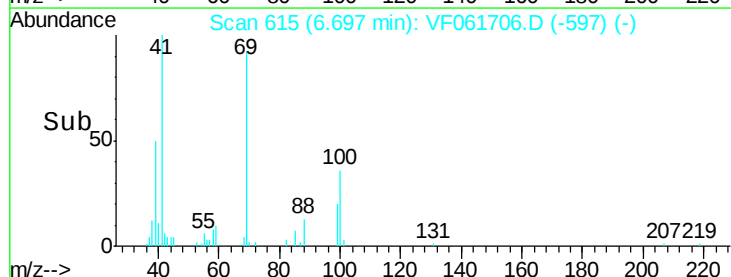
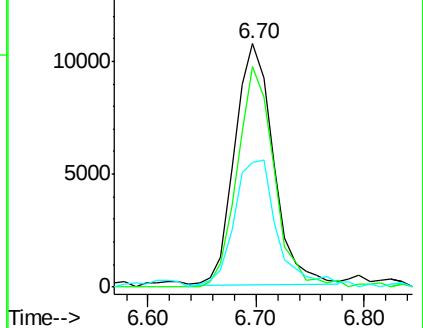
39 50.9 43.7 65.5

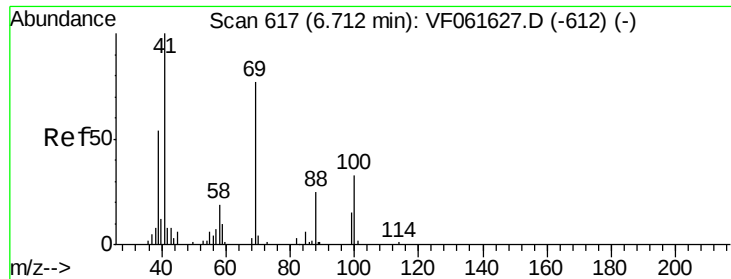


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 288.954 ug/l

RT: 6.69 min Scan# 614

Delta R.T. -0.03 min

Lab File: VF061706.D

Acq: 22 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

VF0222SBS01

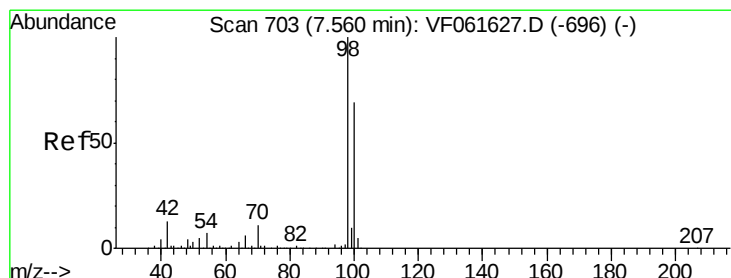
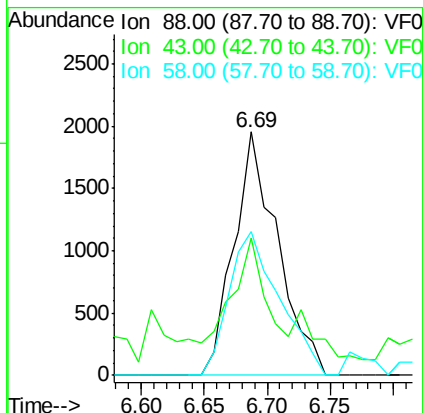
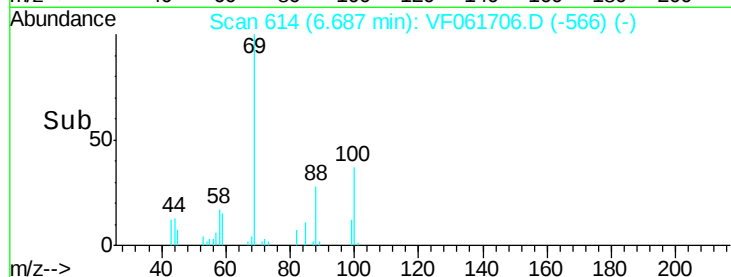
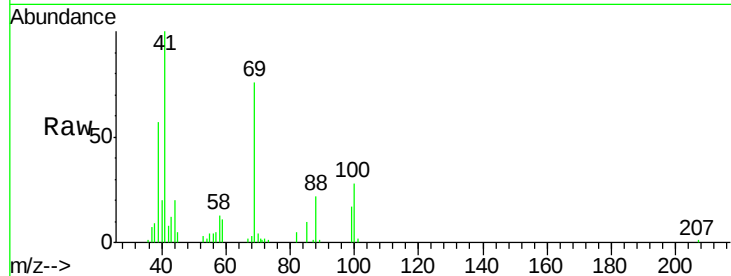
Tot Ion: 88 Resp: 4710

Ion Ratio Lower Upper

88 100

43 56.6 32.3 48.5#

58 58.9 59.4 89.2#



#50

Toluene-d8

Concen: 47.702 ug/l

RT: 7.54 min Scan# 700

Delta R.T. -0.03 min

Lab File: VF061706.D

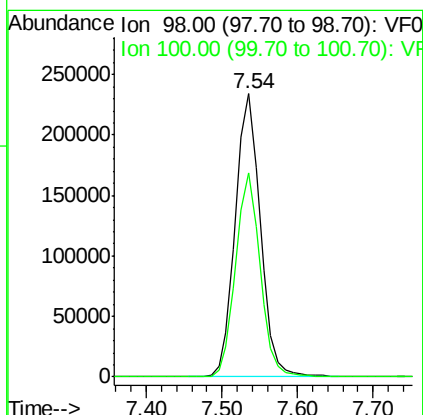
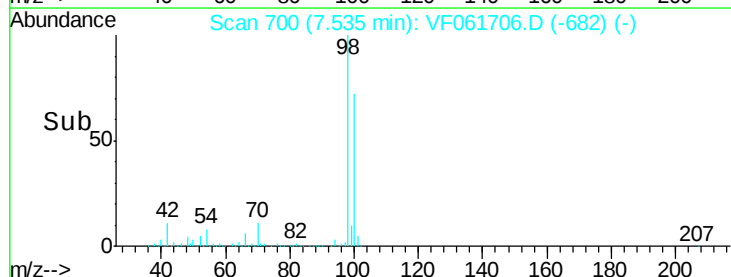
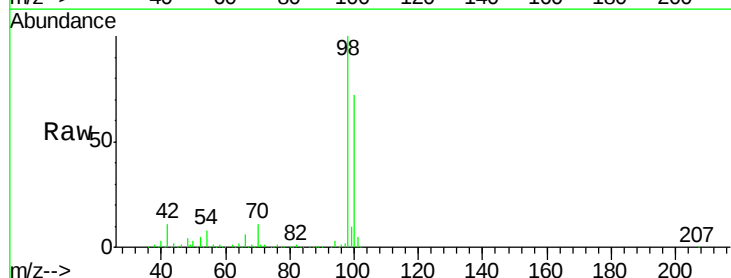
Acq: 22 Feb 2019 13:51

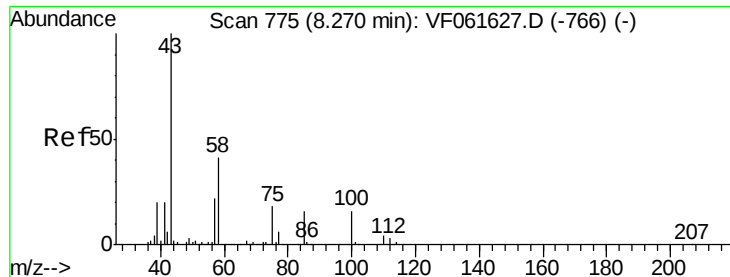
Tgt Ion: 98 Resp: 538742

Ion Ratio Lower Upper

98 100

100 72.1 55.4 83.2





#51

4-Methyl-2-Pentanone

Concen: 79.565 ug/l

RT: 8.25 min Scan# 772

Delta R.T. -0.03 min

Lab File: VF061706.D

Acq: 22 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

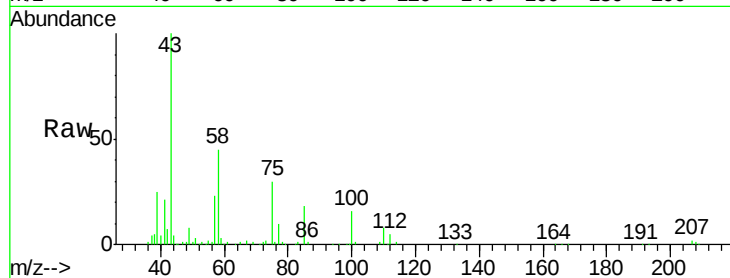
VF0222SBS01

Tot Ion: 43 Resp: 163809

Ion Ratio Lower Upper

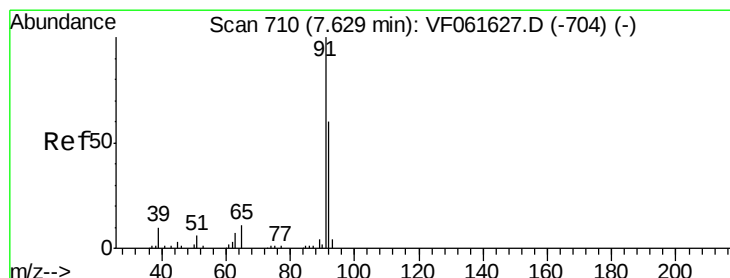
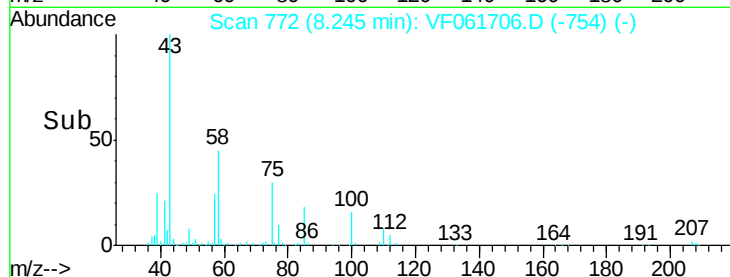
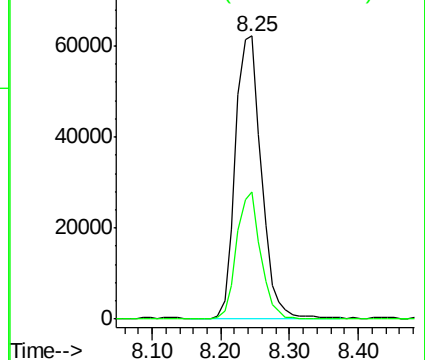
43 100

58 44.8 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: 20.087 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.03 min

Lab File: VF061706.D

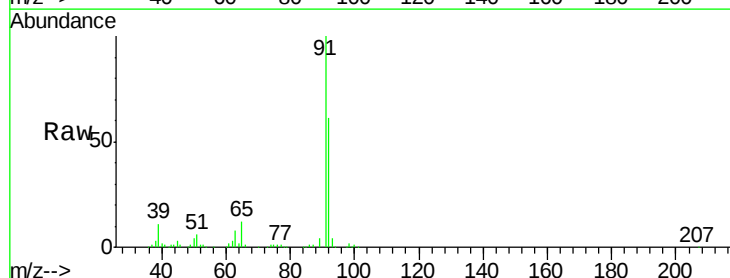
Acq: 22 Feb 2019 13:51

Tgt Ion: 92 Resp: 167000

Ion Ratio Lower Upper

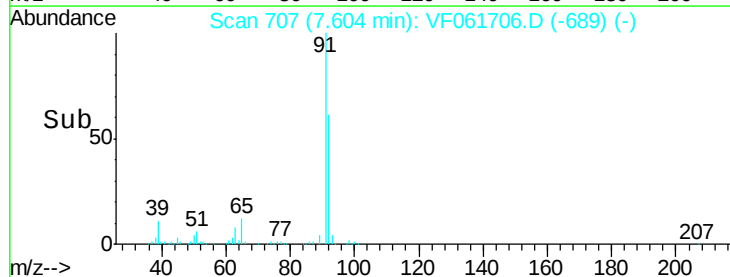
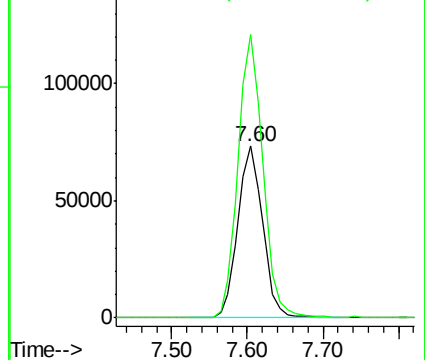
92 100

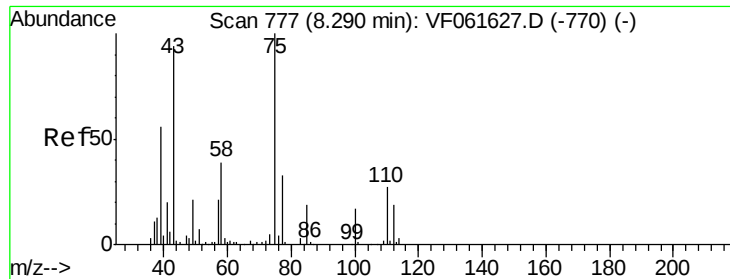
91 164.6 133.9 200.9



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: 18.296 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.04 min

Lab File: VF061706.D

Acq: 22 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

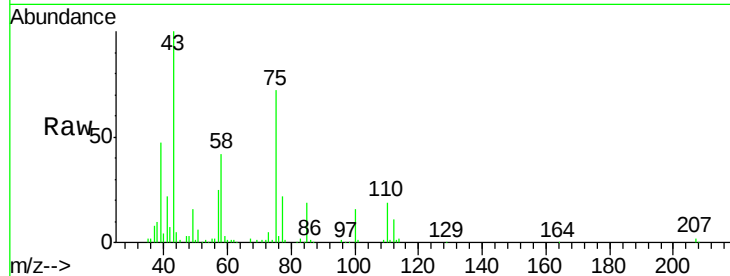
VF0222SBS01

Tot Ion: 75 Resp: 68029

Ion Ratio Lower Upper

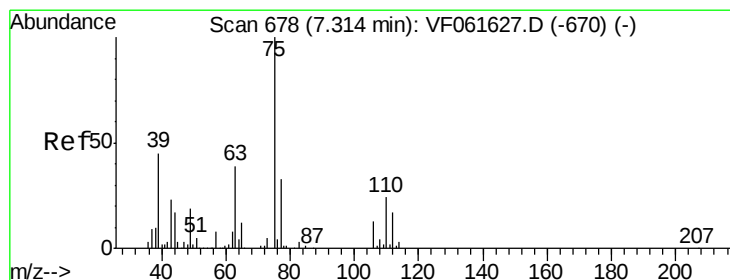
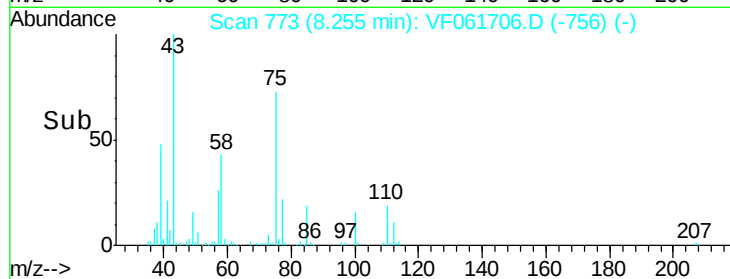
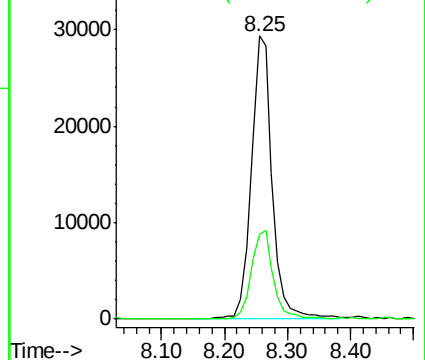
75 100

77 30.1 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: 19.472 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.04 min

Lab File: VF061706.D

Acq: 22 Feb 2019 13:51

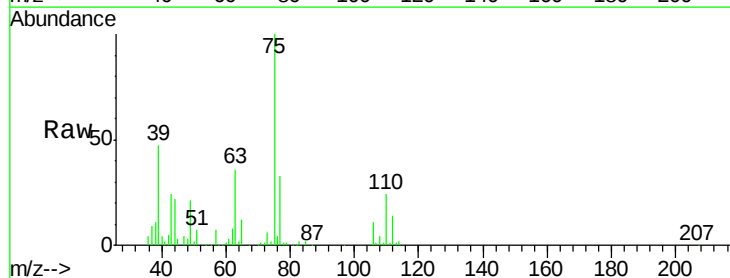
Tgt Ion: 75 Resp: 96439

Ion Ratio Lower Upper

75 100

77 32.7 26.4 39.6

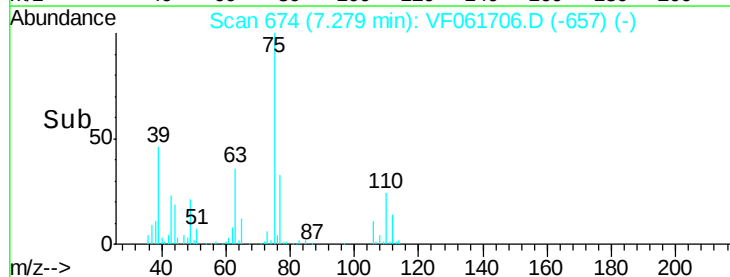
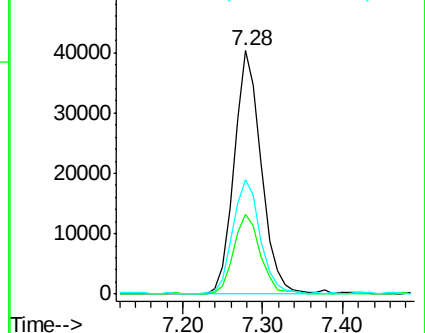
39 46.8 36.0 54.0

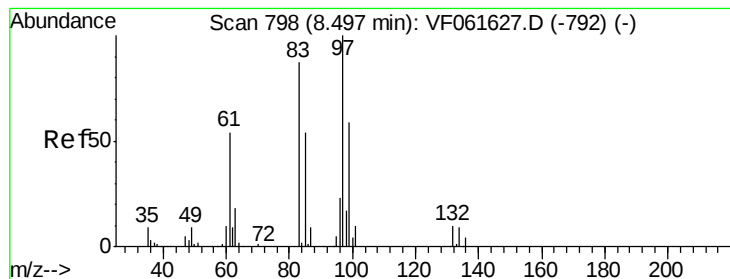


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 17.616 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.03 min

Lab File: VF061706.D

Acq: 22 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

VF0222SBS01

Tot Ion: 97 Resp: 43031

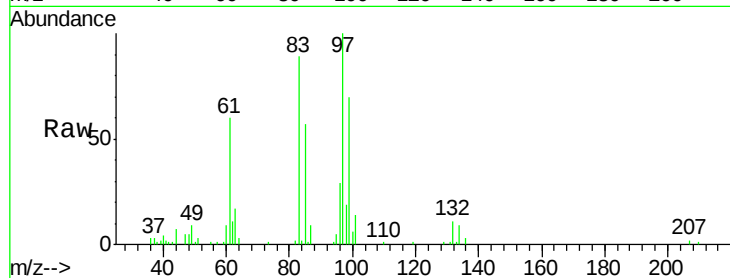
Ion Ratio Lower Upper

97 100

83 88.5 69.2 103.8

85 57.3 43.0 64.4

99 70.0 47.2 70.8

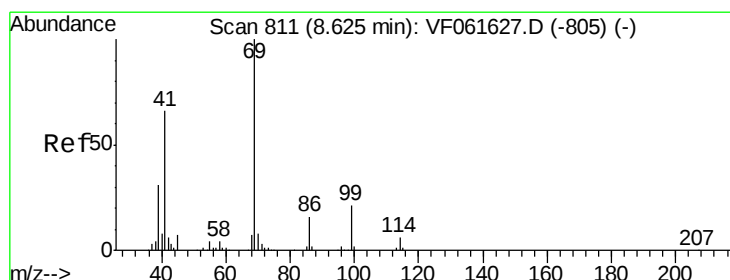
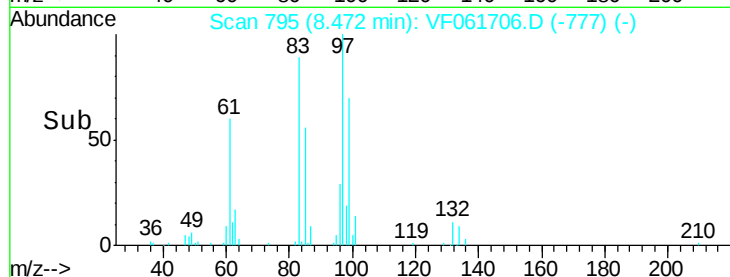
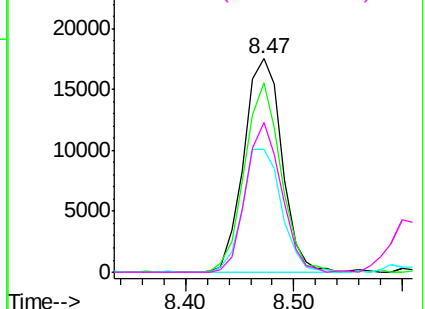


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 17.637 ug/l

RT: 8.60 min Scan# 808

Delta R.T. -0.03 min

Lab File: VF061706.D

Acq: 22 Feb 2019 13:51

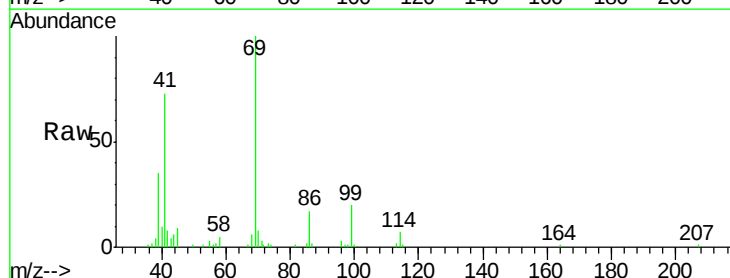
Tgt Ion: 69 Resp: 47966

Ion Ratio Lower Upper

69 100

41 72.5 52.9 79.3

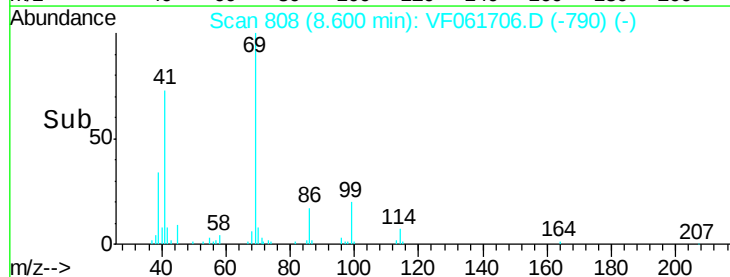
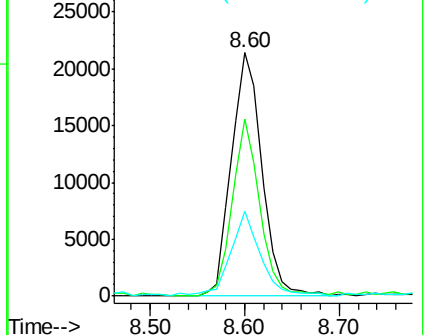
39 34.7 24.5 36.7

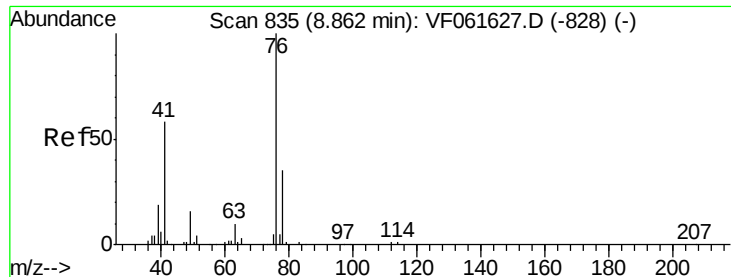


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 17.097 ug/l

RT: 8.83 min Scan# 831

Delta R.T. -0.04 min

Lab File: VF061706.D

Acq: 22 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

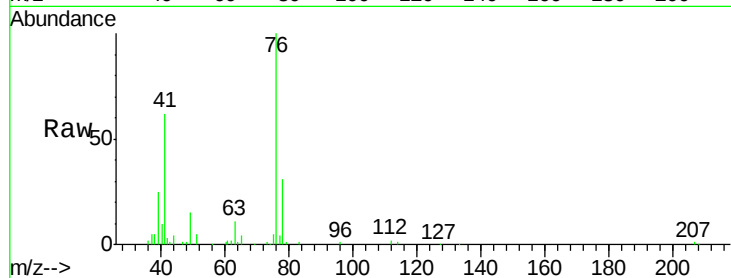
VF0222SBS01

Tot Ion: 76 Resp: 69708

Ion Ratio Lower Upper

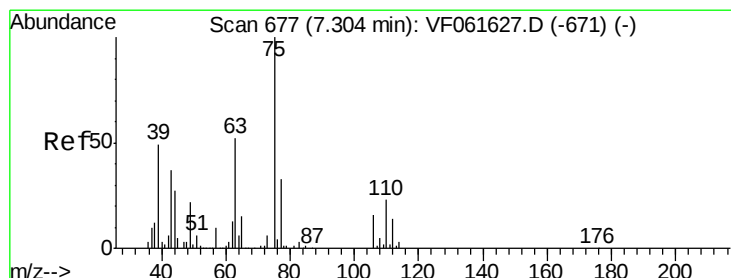
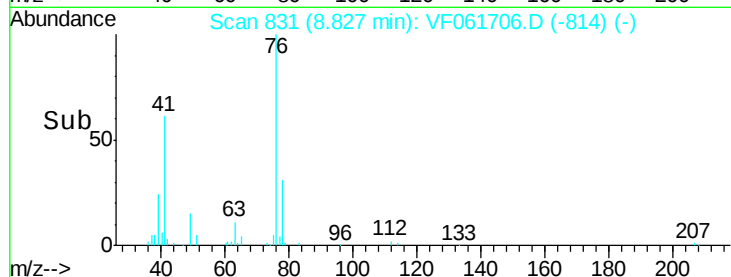
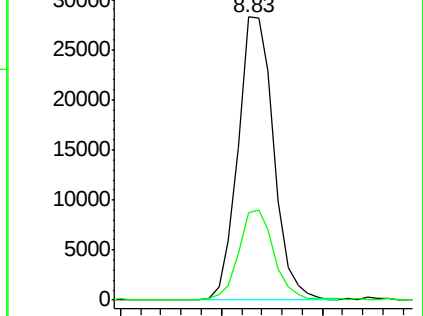
76 100

78 31.1 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: 71.830 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.03 min

Lab File: VF061706.D

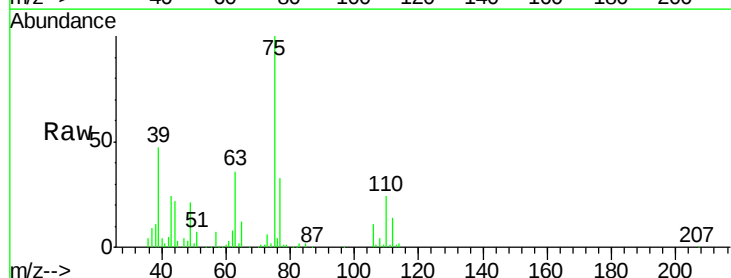
Acq: 22 Feb 2019 13:51

Tgt Ion: 63 Resp: 33704

Ion Ratio Lower Upper

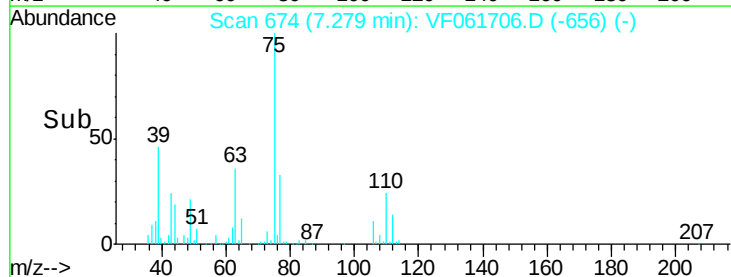
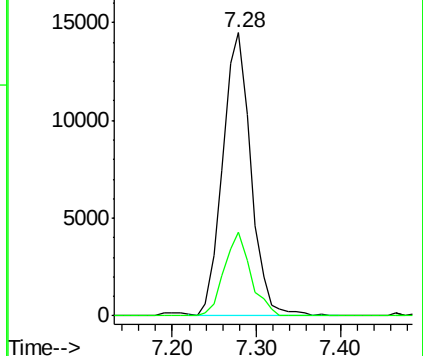
63 100

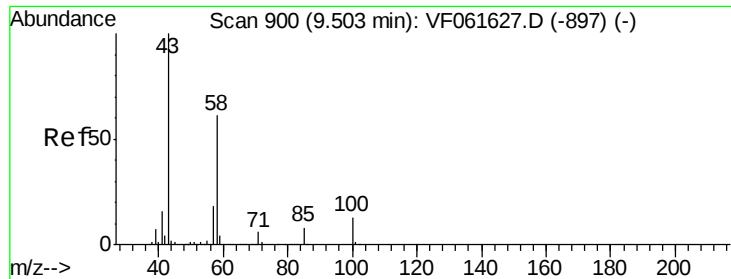
106 29.4 24.6 36.8



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

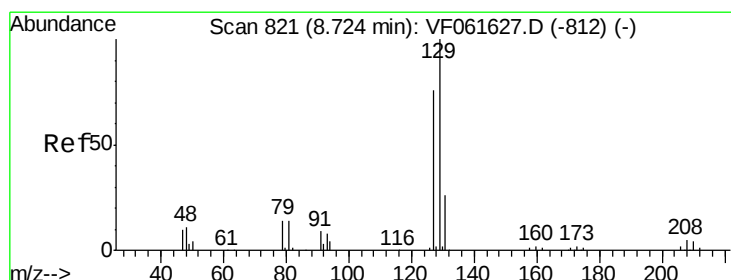
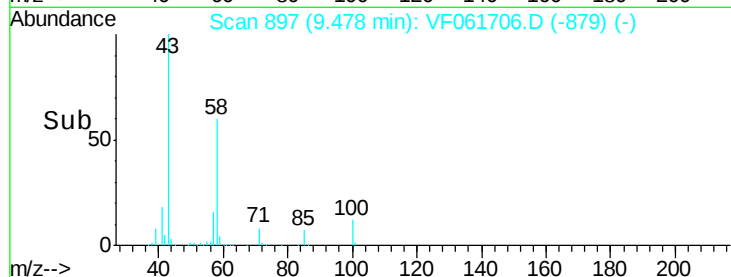
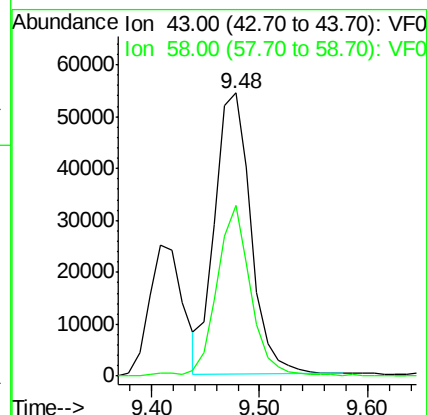
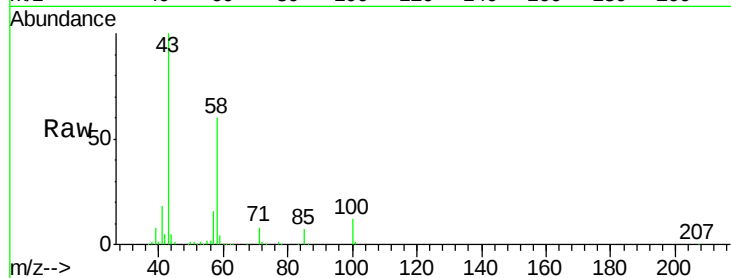




#59
2-Hexanone
Concen: 86.932 ug/l
RT: 9.48 min Scan# 897
Delta R.T. -0.03 min
Lab File: VF061706.D
Acq: 22 Feb 2019 13:51

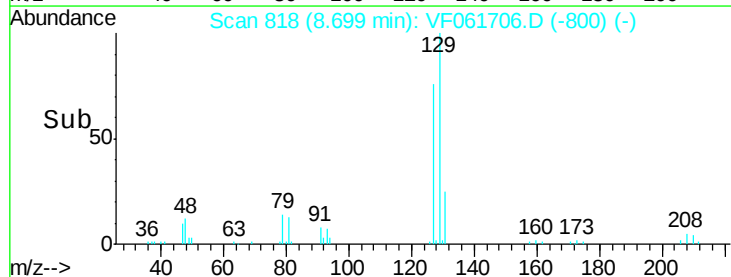
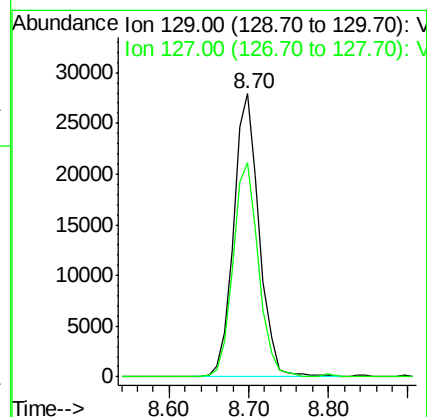
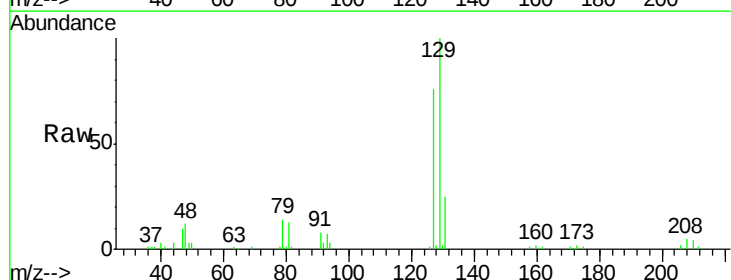
Instrument :
MSVOA_F
ClientSampleId :
VF0222SBS01

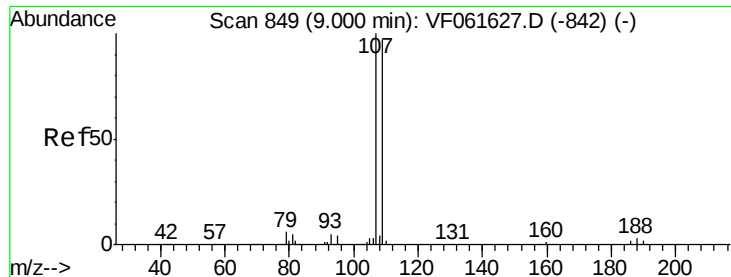
Tot Ion: 43 Resp: 125458
Ion Ratio Lower Upper
43 100
58 60.2 28.5 85.5



#60
Dibromochloromethane
Concen: 18.459 ug/l
RT: 8.70 min Scan# 818
Delta R.T. -0.03 min
Lab File: VF061706.D
Acq: 22 Feb 2019 13:51

Tgt Ion: 129 Resp: 62757
Ion Ratio Lower Upper
129 100
127 75.9 37.8 113.4





#61

1,2-Dibromoethane

Concen: 17.835 ug/l

RT: 8.96 min Scan# 845

Delta R.T. -0.04 min

Lab File: VF061706.D

Acq: 22 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

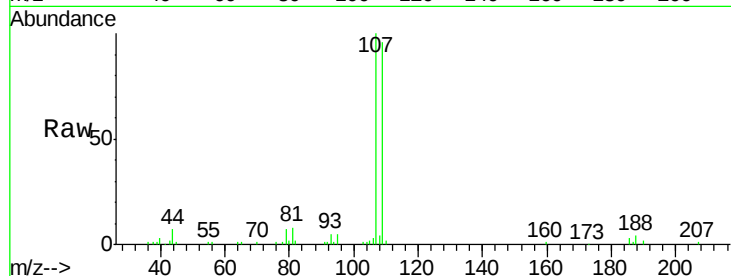
VF0222SBS01

Tot Ion:107 Resp: 47251

Ion Ratio Lower Upper

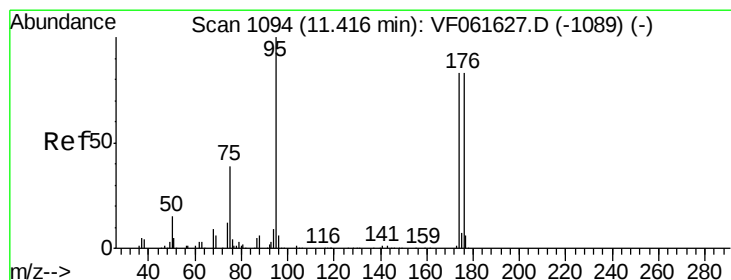
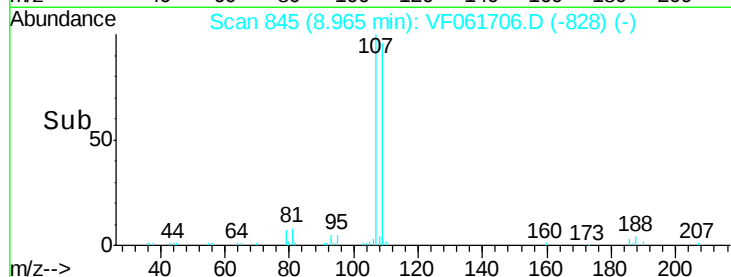
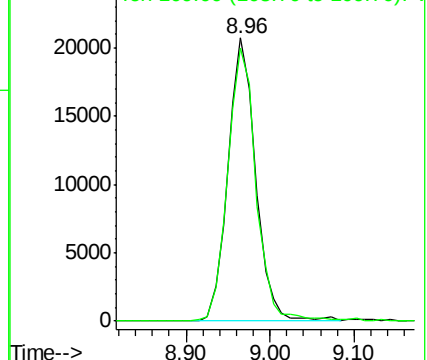
107 100

109 96.4 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: 44.532 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061706.D

Acq: 22 Feb 2019 13:51

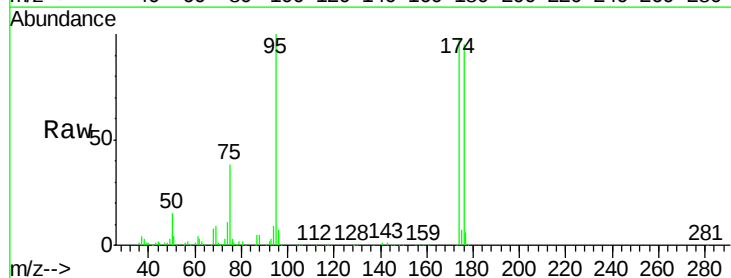
Tgt Ion: 95 Resp: 203498

Ion Ratio Lower Upper

95 100

174 97.7 0.0 165.8

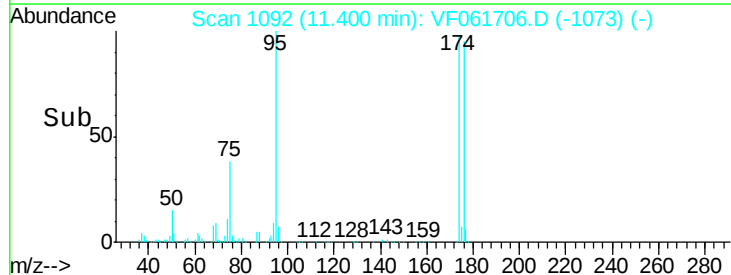
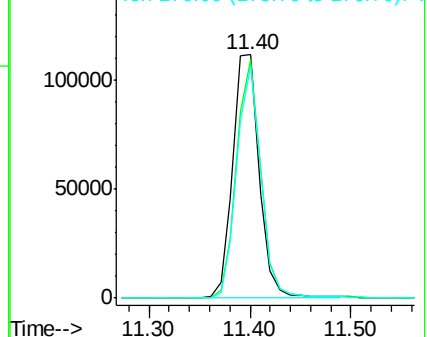
176 95.3 0.0 167.0

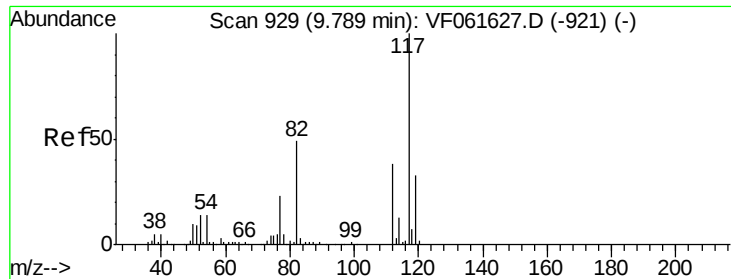


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

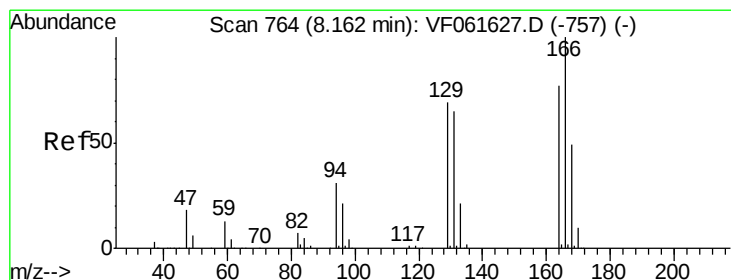
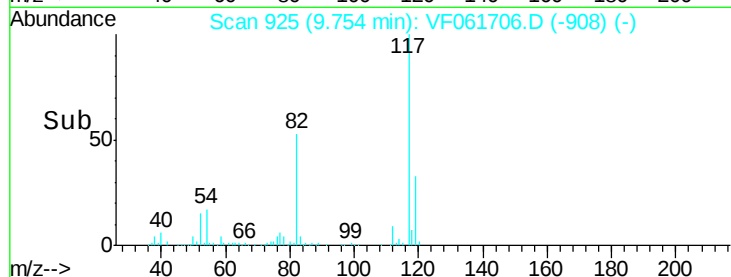
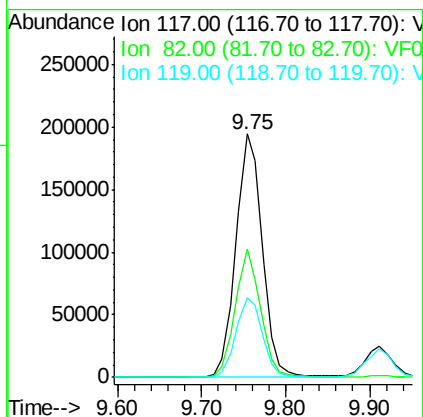
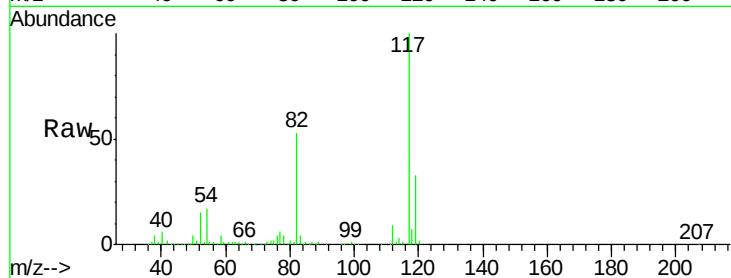




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.04 min
Lab File: VF061706.D
Acq: 22 Feb 2019 13:51

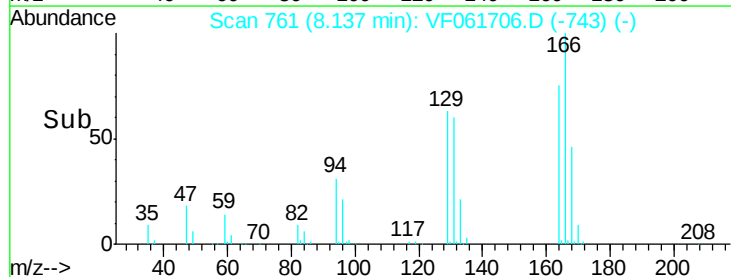
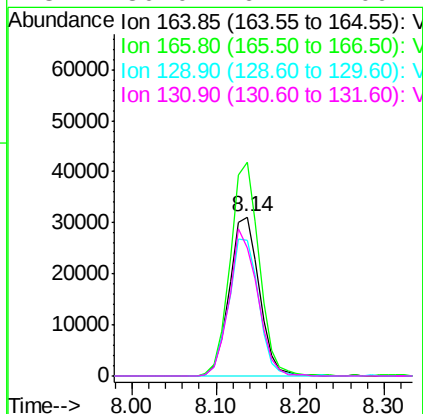
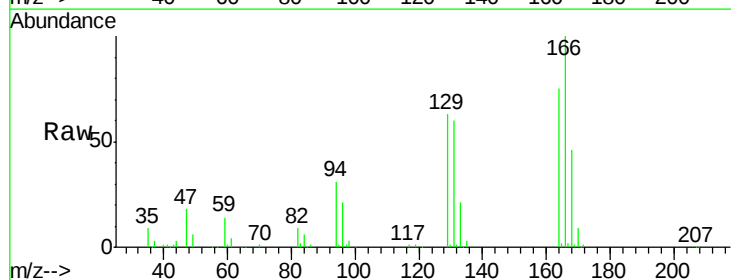
Instrument :
MSVOA_F
ClientSampleId :
VF0222SBS01

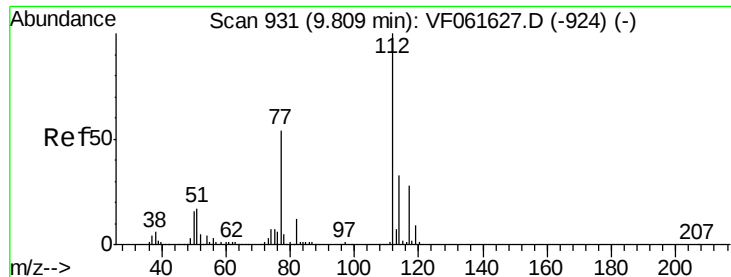
Tot Ion:117 Resp: 425926
Ion Ratio Lower Upper
117 100
82 52.7 39.3 58.9
119 33.0 26.6 40.0



#64
Tetrachloroethene
Concen: 22.130 ug/l
RT: 8.14 min Scan# 761
Delta R.T. -0.03 min
Lab File: VF061706.D
Acq: 22 Feb 2019 13:51

Tgt Ion:164 Resp: 77046
Ion Ratio Lower Upper
164 100
166 134.1 103.9 155.9
129 85.0 71.3 106.9
131 80.0 67.1 100.7

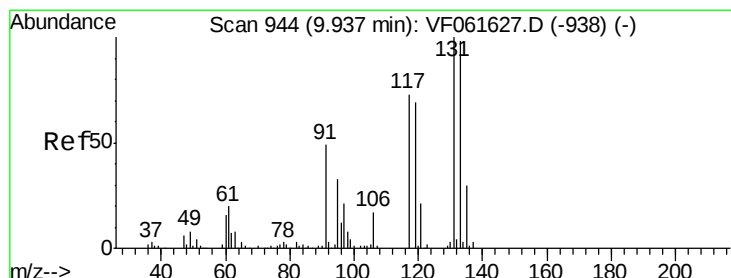
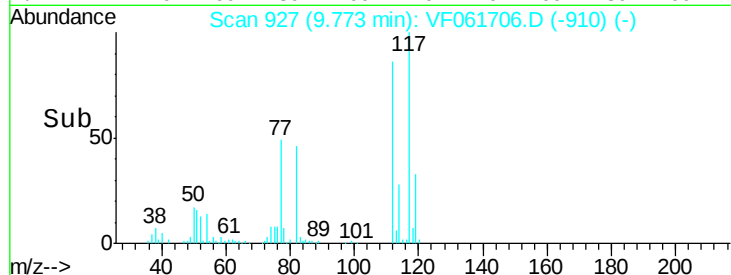
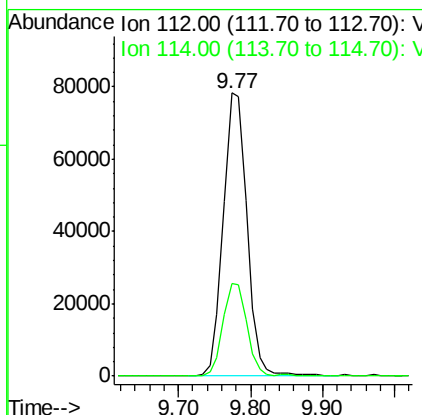
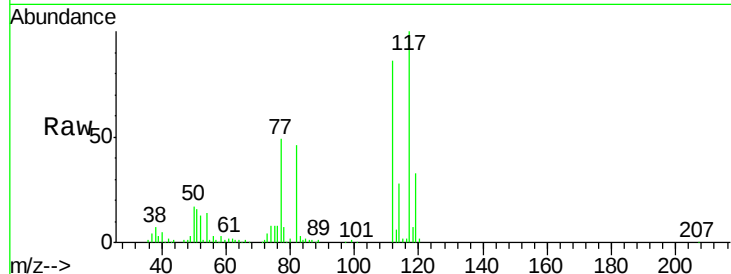




#65
Chlorobenzene
Concen: 20.852 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.04 min
Lab File: VF061706.D
Acq: 22 Feb 2019 13:51

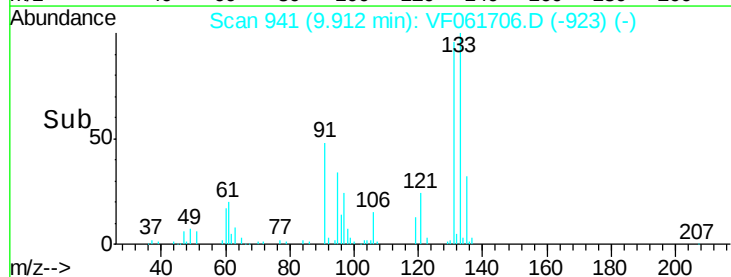
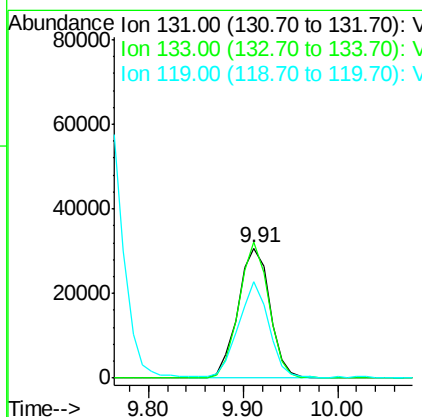
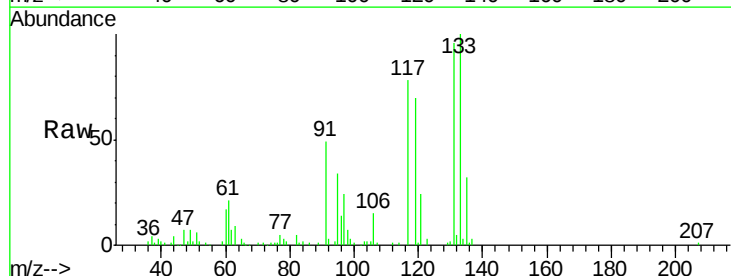
Instrument :
MSVOA_F
ClientSampleId :
VF0222SBS01

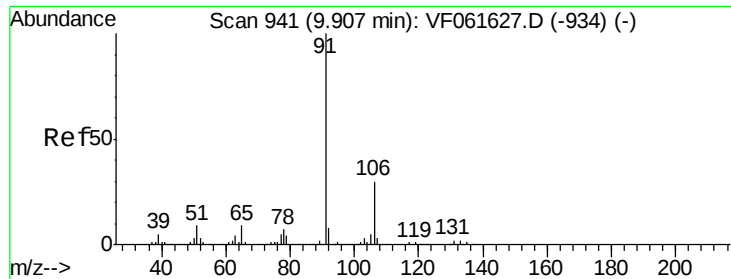
Tot Ion:112 Resp: 180226
Ion Ratio Lower Upper
112 100
114 32.5 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.335 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.03 min
Lab File: VF061706.D
Acq: 22 Feb 2019 13:51

Tgt Ion:131 Resp: 72256
Ion Ratio Lower Upper
131 100
133 104.5 48.9 146.6
119 73.7 34.8 104.3





#67

Ethyl Benzene

Concen: 21.173 ug/l

RT: 9.88 min Scan# 938

Delta R.T. -0.03 min

Lab File: VF061706.D

Acq: 22 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

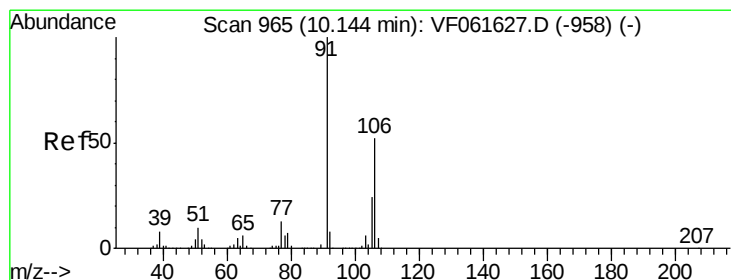
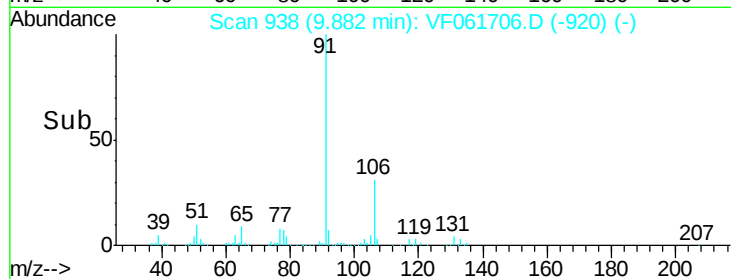
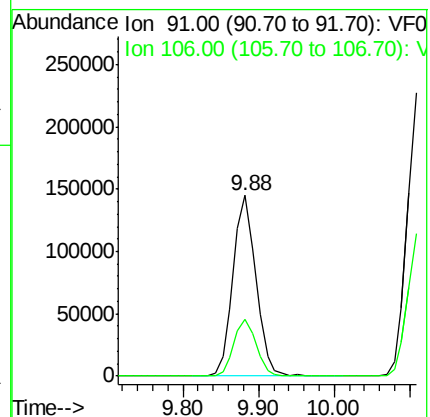
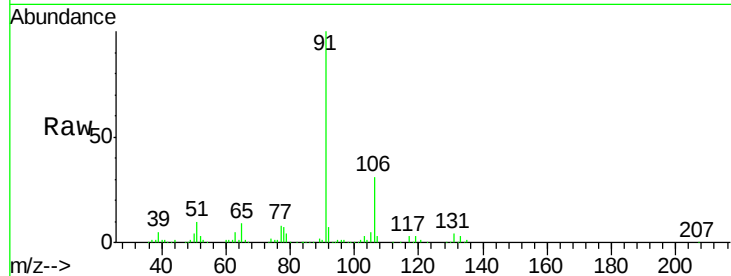
VF0222SBS01

Tot Ion: 91 Resp: 304322

Ion Ratio Lower Upper

91 100

106 31.2 24.1 36.1



#68

m/p-Xylenes

Concen: 44.683 ug/l

RT: 10.11 min Scan# 961

Delta R.T. -0.04 min

Lab File: VF061706.D

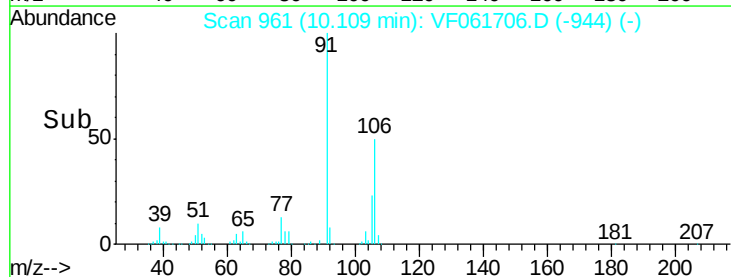
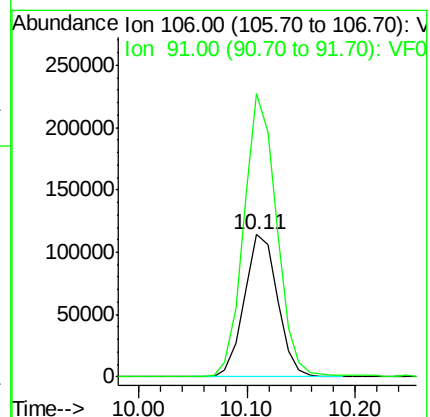
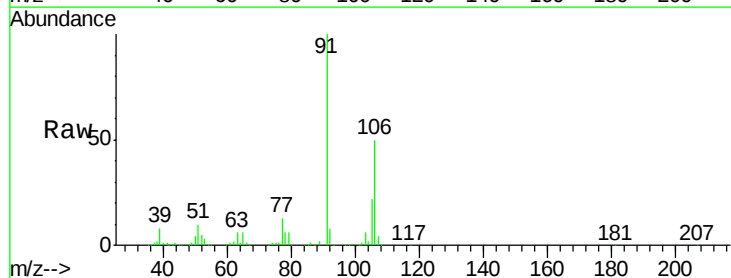
Acq: 22 Feb 2019 13:51

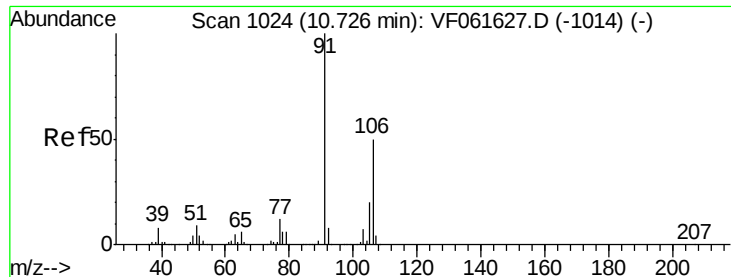
Tgt Ion: 106 Resp: 245796

Ion Ratio Lower Upper

106 100

91 198.8 153.0 229.6

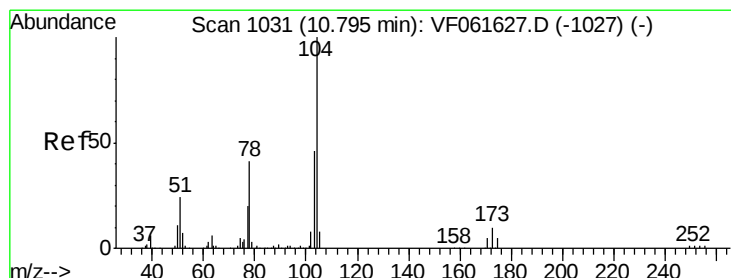
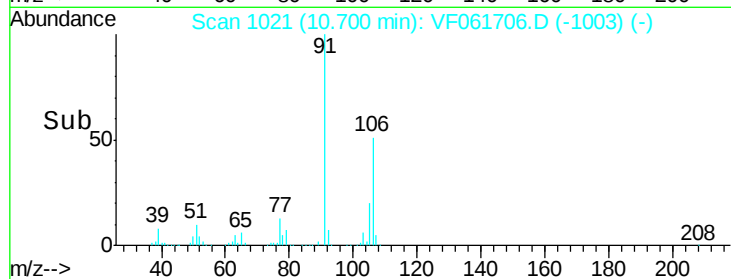
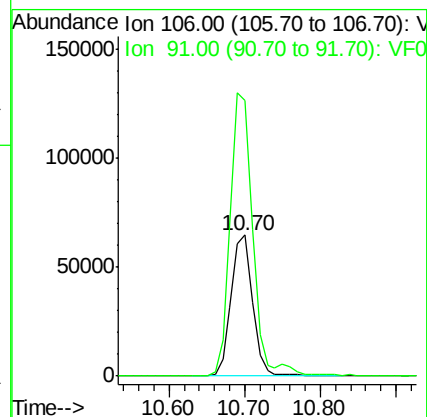
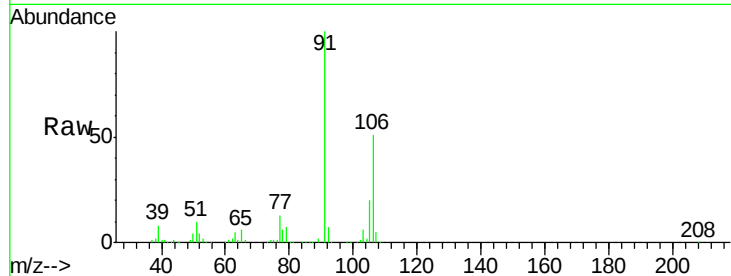




#69
o-Xylene
Concen: 21.743 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.03 min
Lab File: VF061706.D
Acq: 22 Feb 2019 13:51

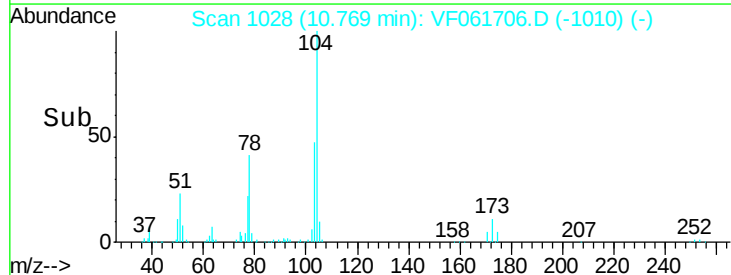
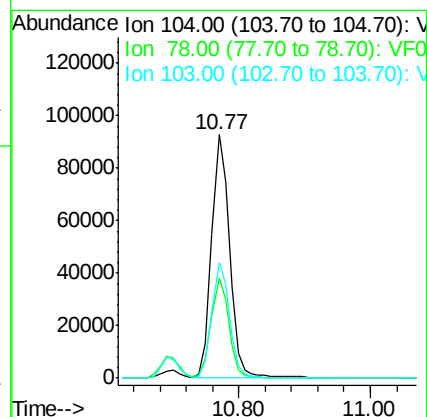
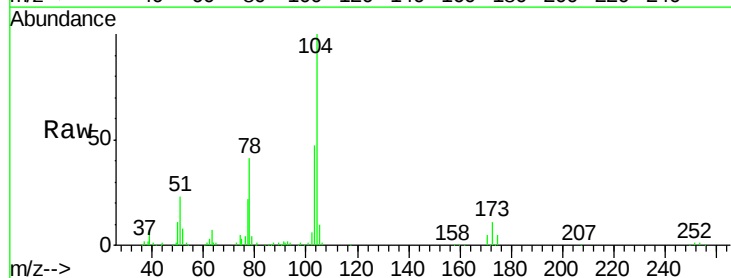
Instrument :
MSVOA_F
ClientSampleId :
VF0222SBS01

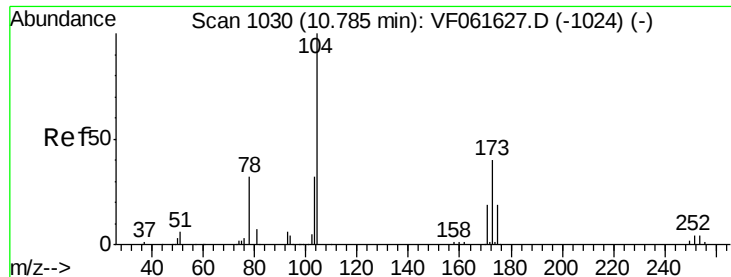
Tot Ion:106 Resp: 127624
Ion Ratio Lower Upper
106 100
91 195.8 100.1 300.1



#70
Styrene
Concen: 20.831 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.03 min
Lab File: VF061706.D
Acq: 22 Feb 2019 13:51

Tgt Ion:104 Resp: 172972
Ion Ratio Lower Upper
104 100
78 41.2 33.2 49.8
103 47.3 37.2 55.8





#71

Bromoform

Concen: 19.083 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.03 min

Lab File: VF061706.D

Acq: 22 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

VF0222SBS01

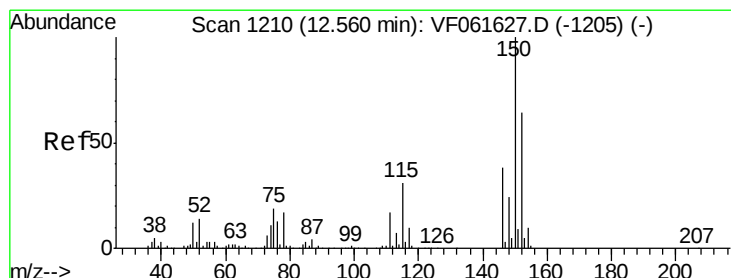
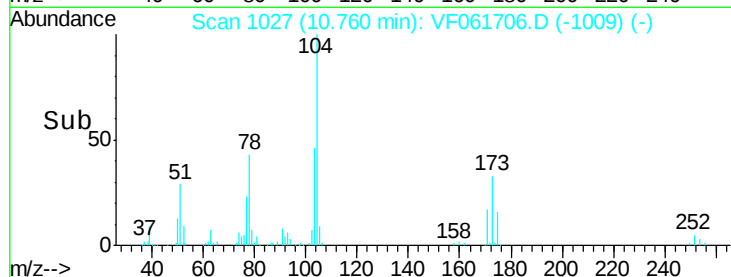
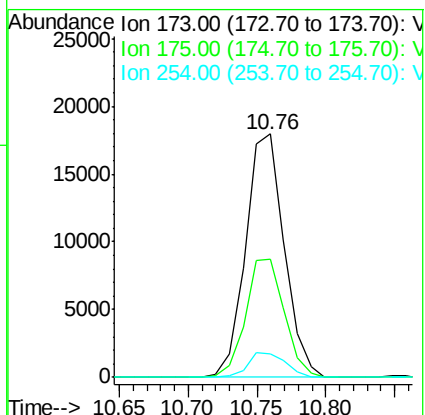
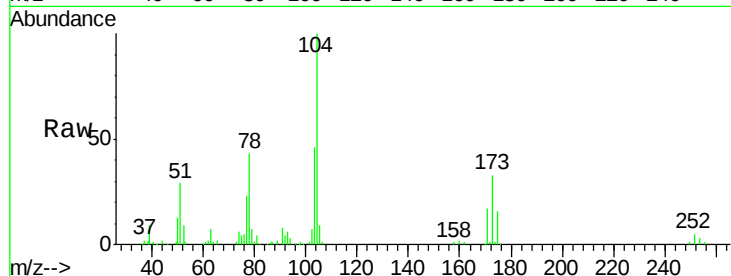
Tot Ion:173 Resp: 35096

Ion Ratio Lower Upper

173 100

175 48.6 24.0 72.0

254 9.9 8.2 12.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.53 min Scan# 1207

Delta R.T. -0.03 min

Lab File: VF061706.D

Acq: 22 Feb 2019 13:51

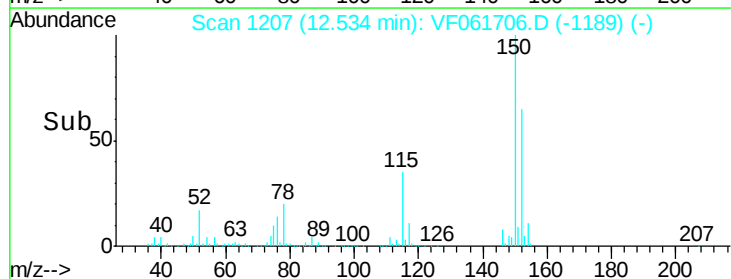
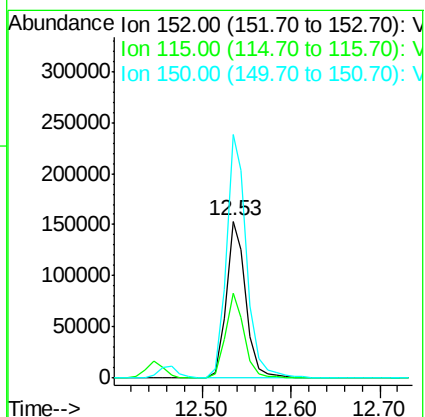
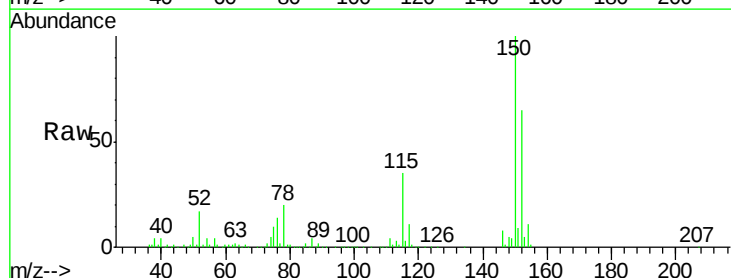
Tgt Ion:152 Resp: 239372

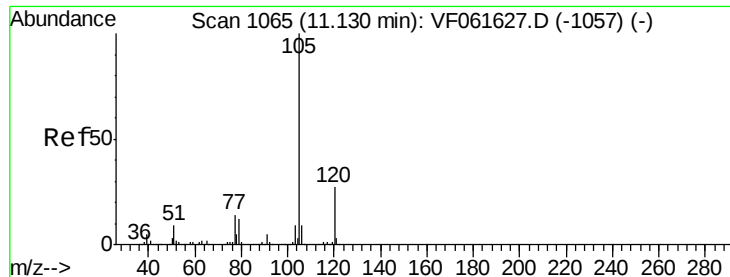
Ion Ratio Lower Upper

152 100

115 54.2 24.3 72.8

150 154.9 0.0 312.0





#73

Isopropylbenzene

Concen: 21.977 ug/l

RT: 11.10 min Scan# 1062

Delta R.T. -0.03 min

Lab File: VF061706.D

Acq: 22 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

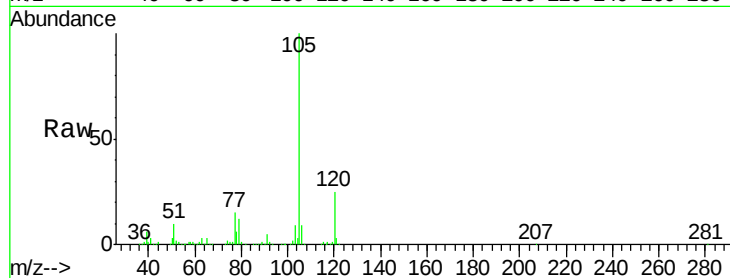
VF0222SBS01

Tot Ion:105 Resp: 374550

Ion Ratio Lower Upper

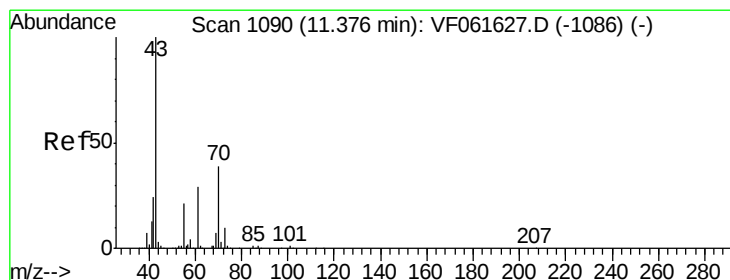
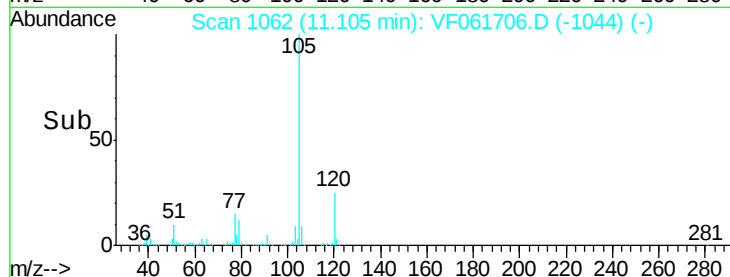
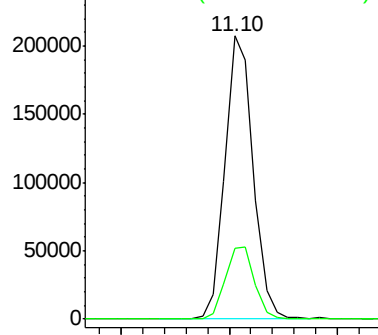
105 100

120 24.9 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.876 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.02 min

Lab File: VF061706.D

Acq: 22 Feb 2019 13:51

Tgt Ion: 43 Resp: 77216

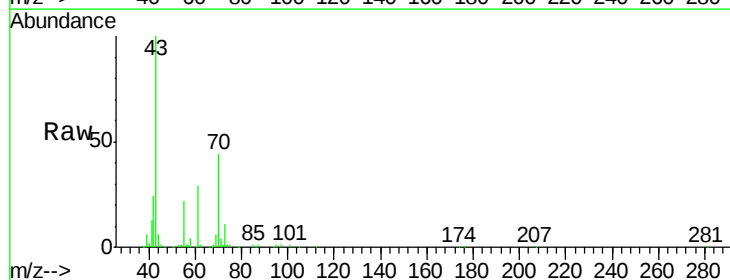
Ion Ratio Lower Upper

43 100

70 43.9 31.5 47.3

55 22.5 16.7 25.1

61 28.7 23.0 34.6

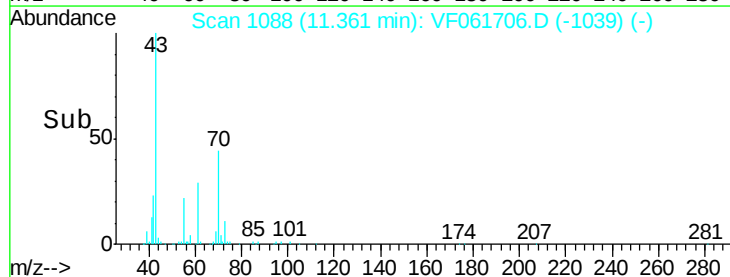
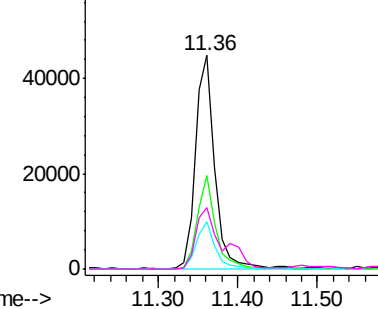


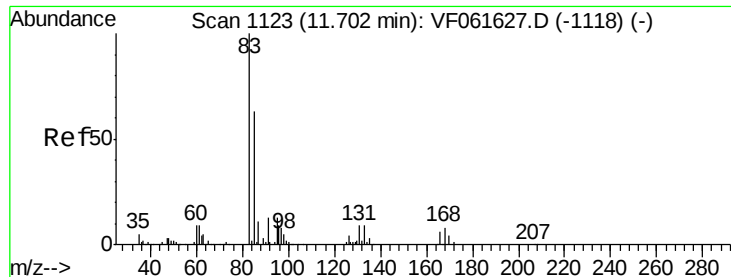
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.270 ug/l

RT: 11.68 min Scan# 1120

Delta R.T. -0.03 min

Lab File: VF061706.D

Acq: 22 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

VF0222SBS01

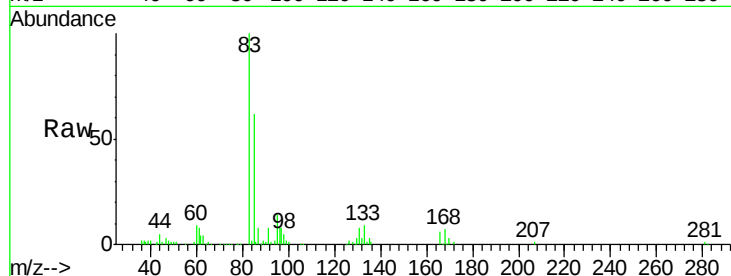
Tot Ion: 83 Resp: 55782

Ion Ratio Lower Upper

83 100

131 7.7 4.4 13.2

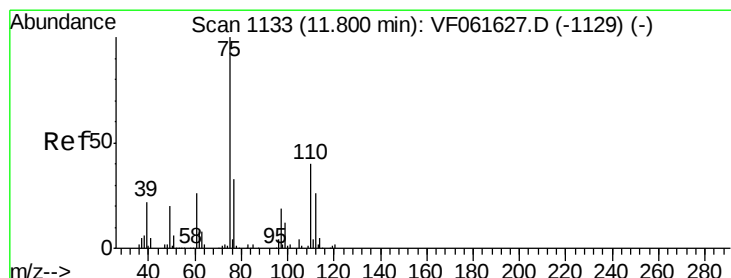
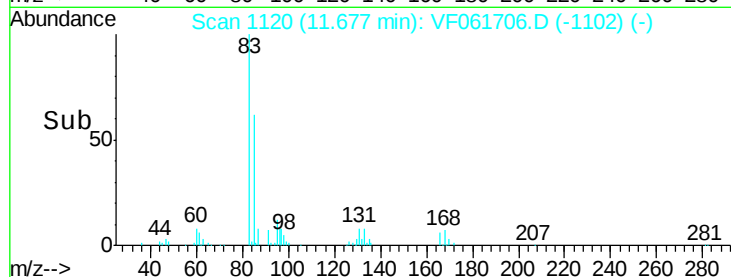
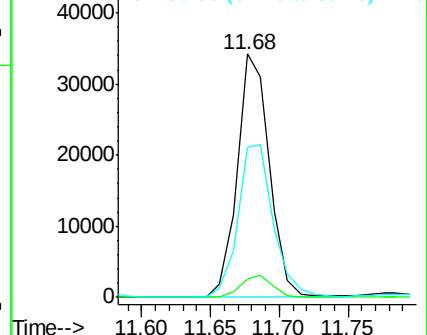
85 61.5 31.5 94.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 17.525 ug/l

RT: 11.78 min Scan# 1130

Delta R.T. -0.03 min

Lab File: VF061706.D

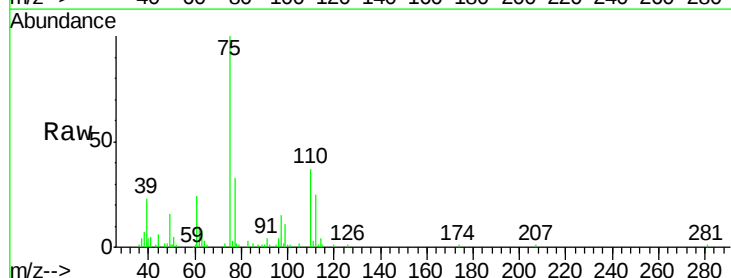
Acq: 22 Feb 2019 13:51

Tgt Ion: 75 Resp: 36380

Ion Ratio Lower Upper

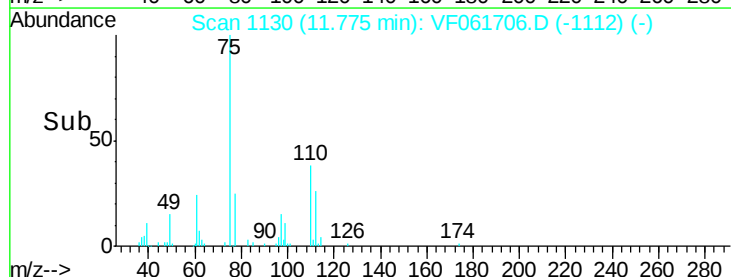
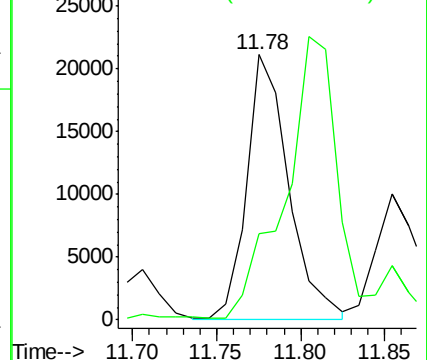
75 100

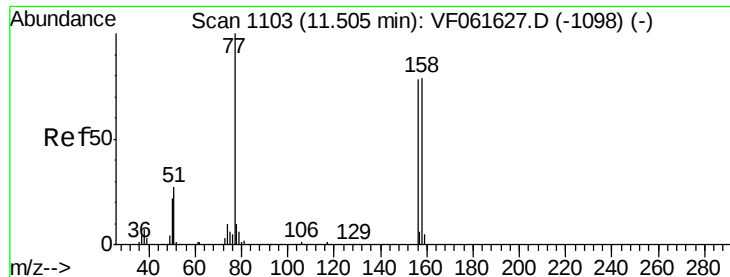
77 32.8 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 20.092 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.03 min

Lab File: VF061706.D

Acq: 22 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

VF0222SBS01

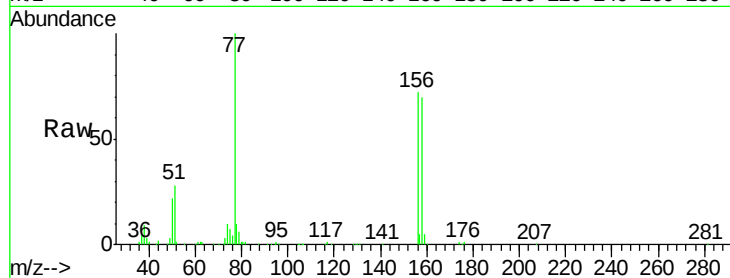
Tot Ion:156 Resp: 84595

Ion Ratio Lower Upper

156 100

77 138.7 64.3 192.7

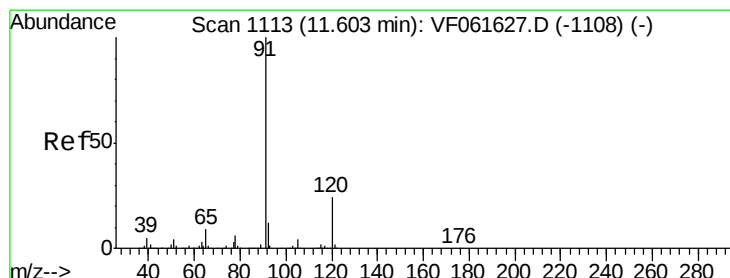
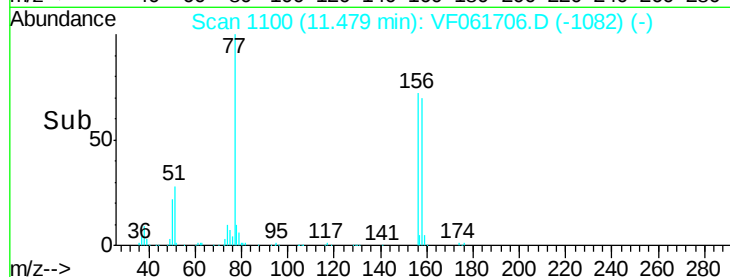
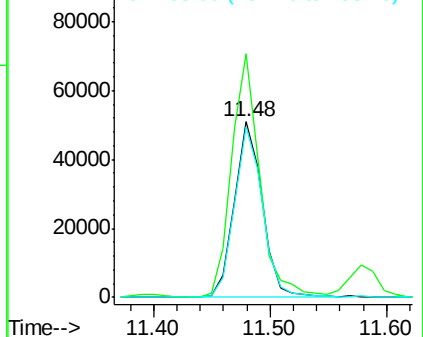
158 96.9 50.9 152.7



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: 21.487 ug/l

RT: 11.58 min Scan# 1110

Delta R.T. -0.03 min

Lab File: VF061706.D

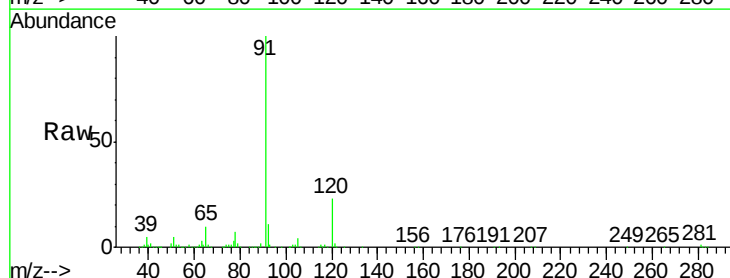
Acq: 22 Feb 2019 13:51

Tgt Ion: 91 Resp: 420219

Ion Ratio Lower Upper

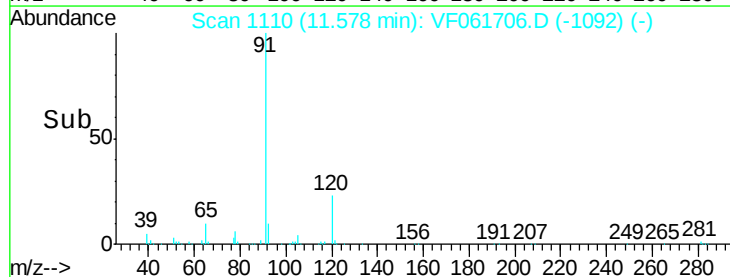
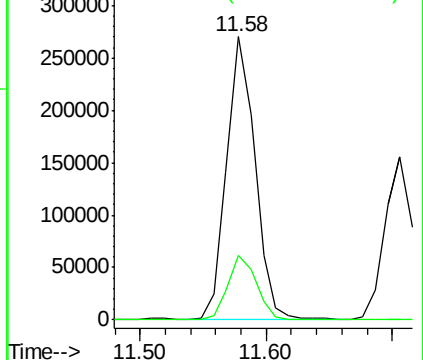
91 100

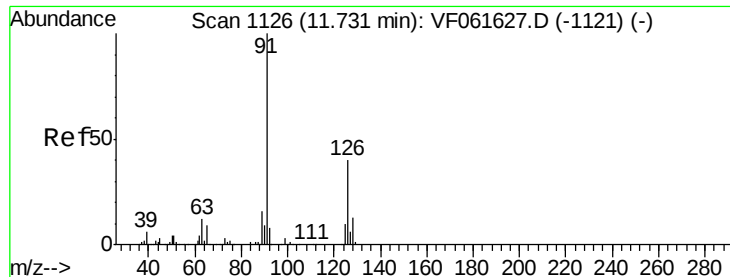
120 23.0 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

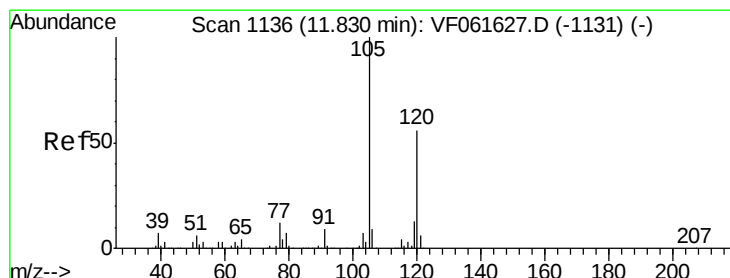
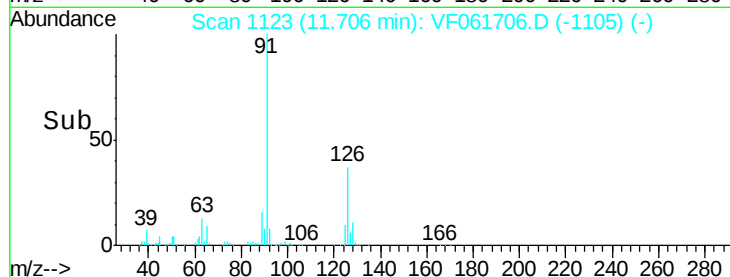
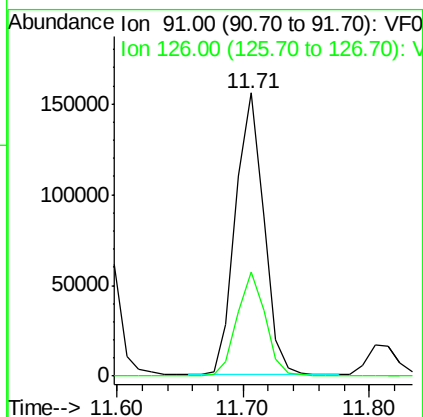
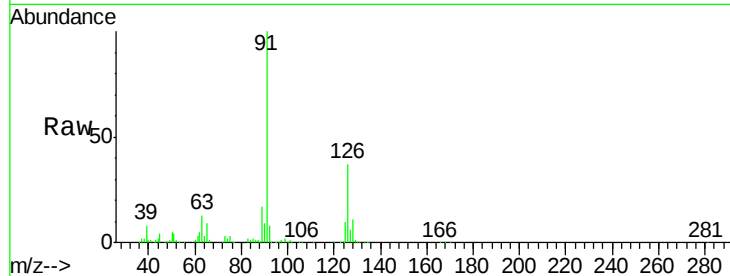




#79
 2-Chlorotoluene
 Concen: 22.013 ug/l
 RT: 11.71 min Scan# 1123
 Delta R.T. -0.03 min
 Lab File: VF061706.D
 Acq: 22 Feb 2019 13:51

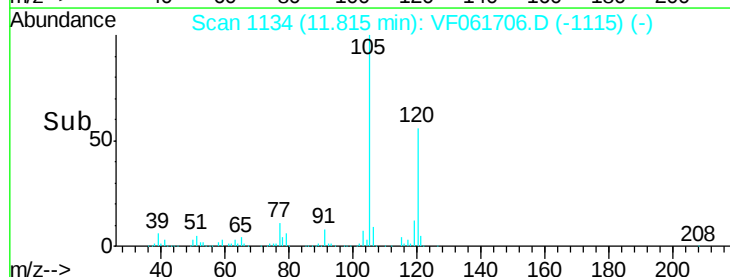
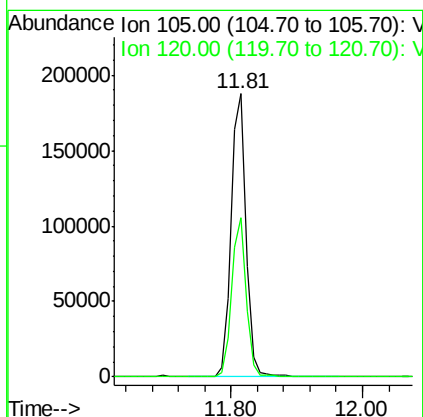
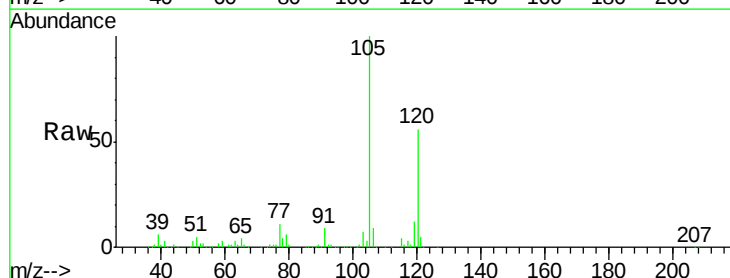
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0222SBS01

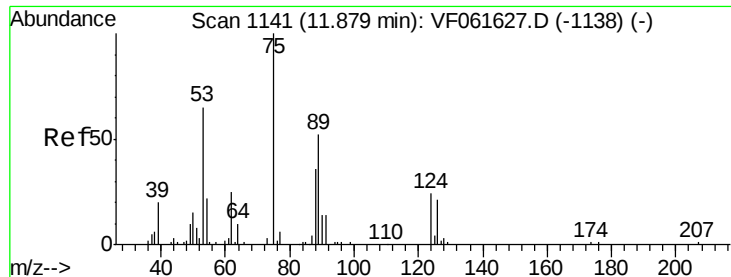
Tot Ion: 91 Resp: 241112
 Ion Ratio Lower Upper
 91 100
 126 36.7 19.8 59.4



#80
 1,3,5-Trimethylbenzene
 Concen: 22.039 ug/l
 RT: 11.81 min Scan# 1134
 Delta R.T. -0.02 min
 Lab File: VF061706.D
 Acq: 22 Feb 2019 13:51

Tgt Ion: 105 Resp: 300201
 Ion Ratio Lower Upper
 105 100
 120 56.2 27.9 83.6





#81

trans-1,4-Dichloro-2-butene

Concen: 23.843 ug/l

RT: 11.85 min Scan# 1138

Delta R.T. -0.03 min

Lab File: VF061706.D

Acq: 22 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampled :

VF0222SBS01

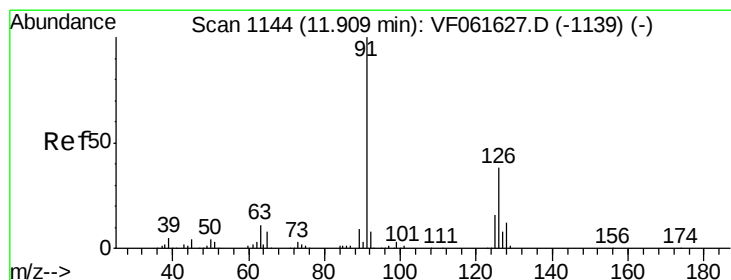
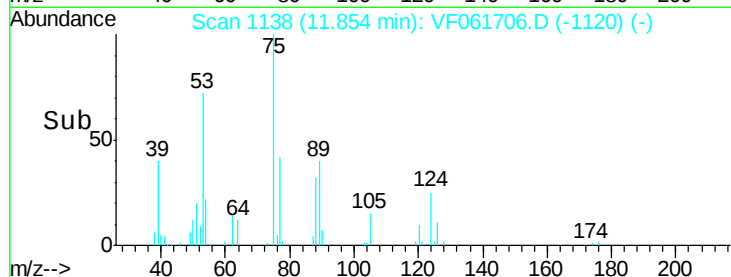
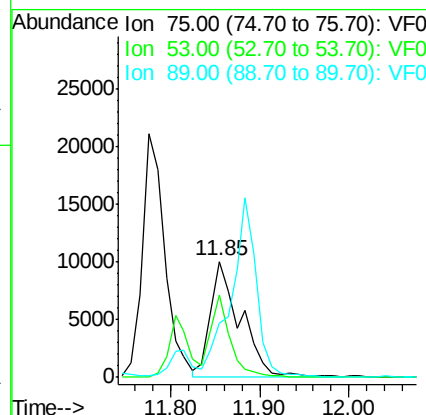
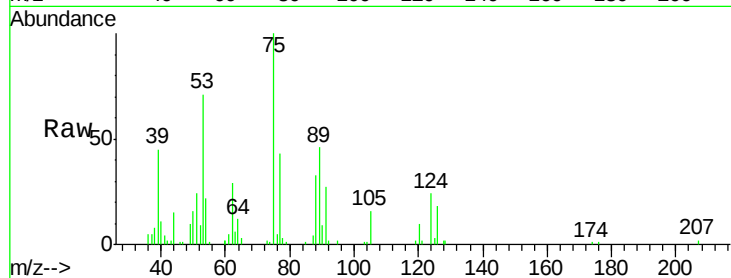
Tot Ion: 75 Resp: 23729

Ion Ratio Lower Upper

75 100

53 70.8 53.7 80.5

89 46.3 41.6 62.4



#82

4-Chlorotoluene

Concen: 20.960 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.03 min

Lab File: VF061706.D

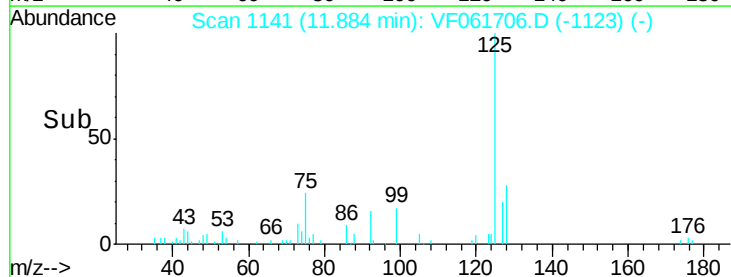
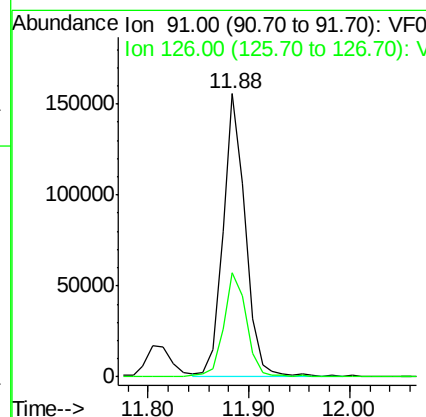
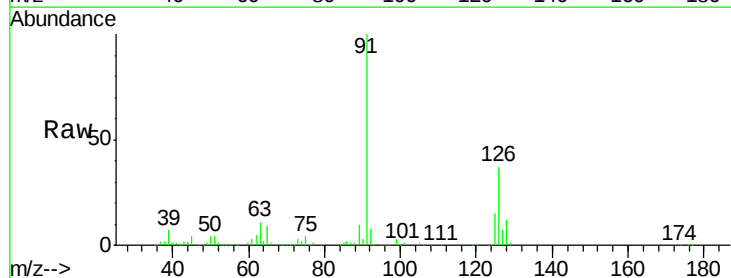
Acq: 22 Feb 2019 13:51

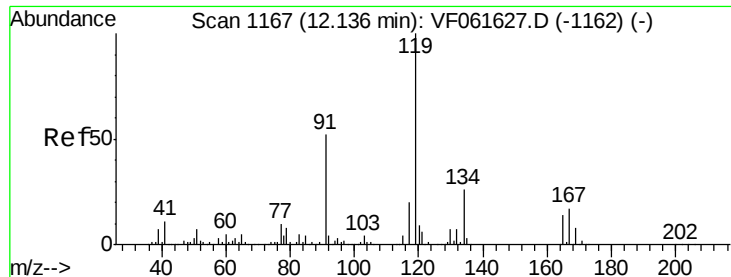
Tgt Ion: 91 Resp: 238280

Ion Ratio Lower Upper

91 100

126 36.8 19.1 57.1

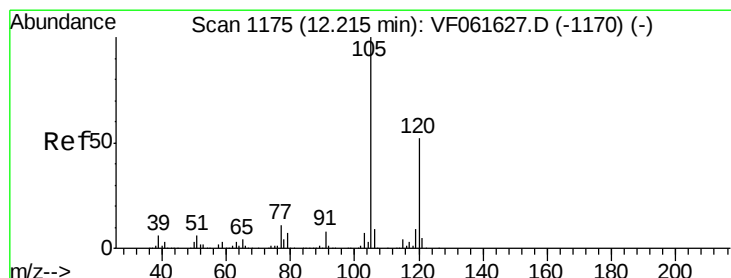
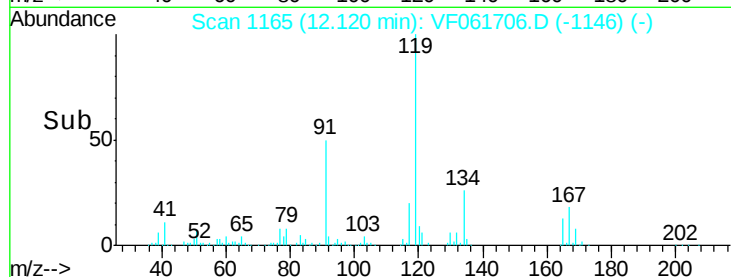
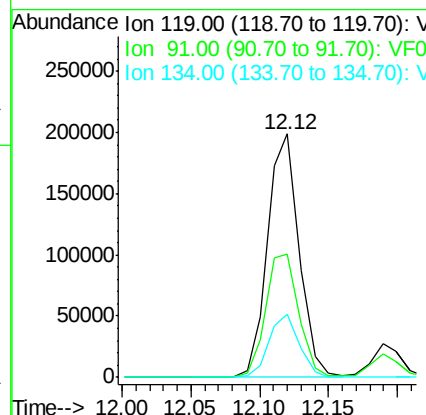
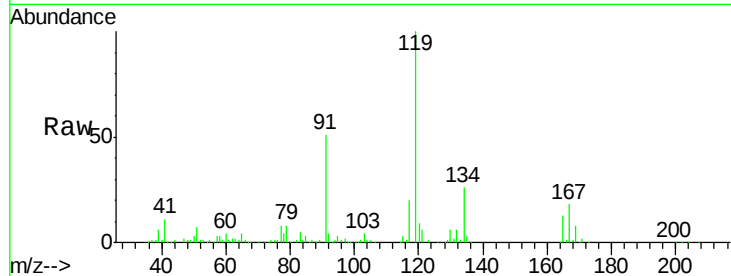




#83
 tert-Butylbenzene
 Concen: 21.054 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. -0.02 min
 Lab File: VF061706.D
 Acq: 22 Feb 2019 13:51

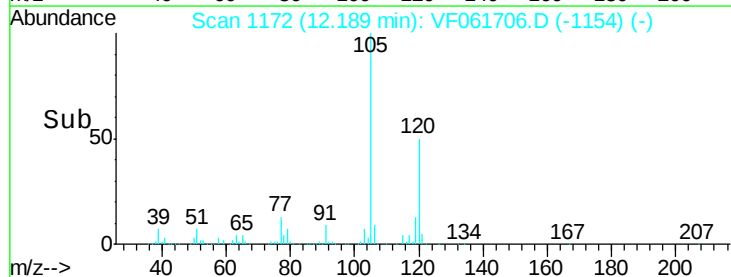
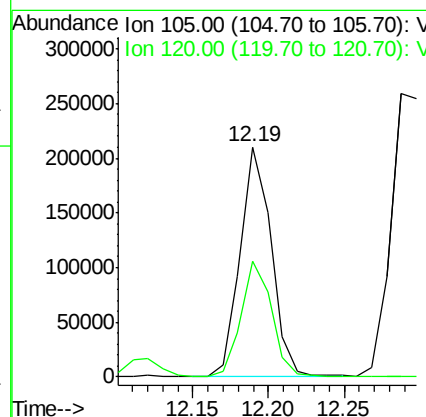
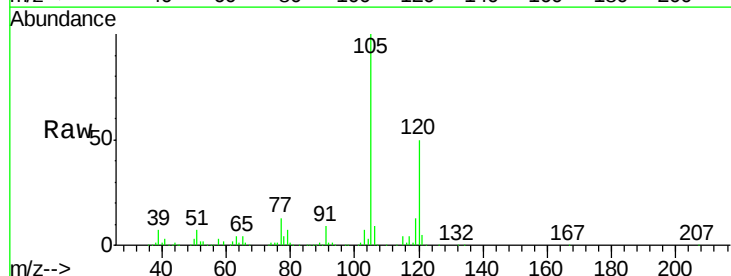
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0222SBS01

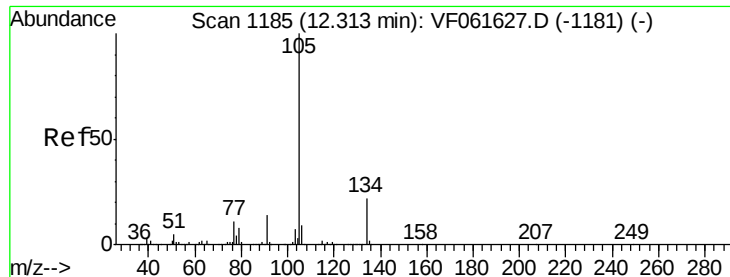
Tot Ion:119 Resp: 317645
 Ion Ratio Lower Upper
 119 100
 91 50.9 26.3 78.8
 134 25.9 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 22.307 ug/l
 RT: 12.19 min Scan# 1172
 Delta R.T. -0.03 min
 Lab File: VF061706.D
 Acq: 22 Feb 2019 13:51

Tgt Ion:105 Resp: 301873
 Ion Ratio Lower Upper
 105 100
 120 50.2 26.1 78.3





#85

sec-Butylbenzene

Concen: 21.987 ug/l

RT: 12.29 min Scan# 1182

Delta R.T. -0.03 min

Lab File: VF061706.D

Acq: 22 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

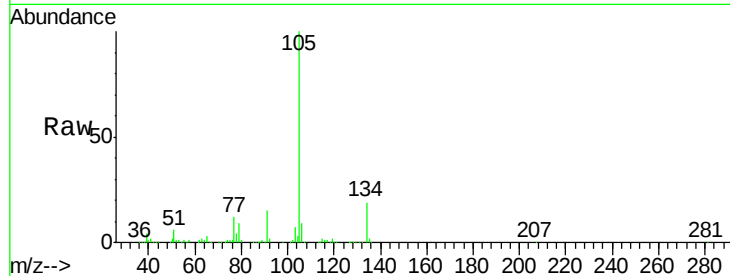
VF0222SBS01

Tot Ion:105 Resp: 428968

Ion Ratio Lower Upper

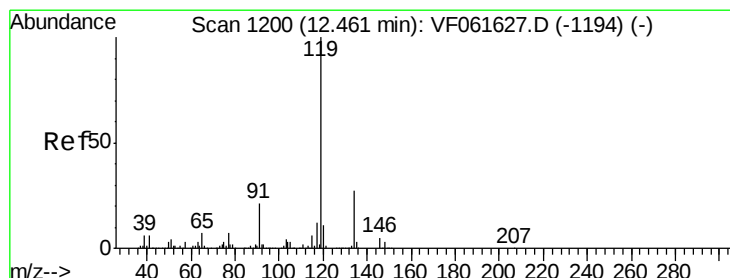
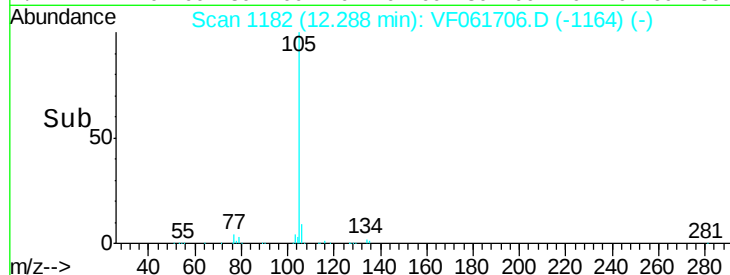
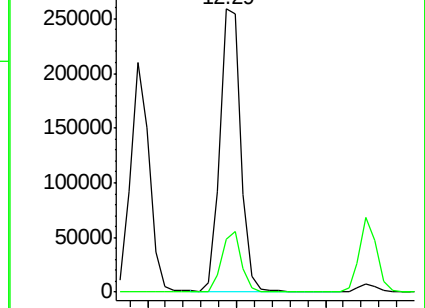
105 100

134 18.8 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: 22.427 ug/l

RT: 12.45 min Scan# 1198

Delta R.T. -0.02 min

Lab File: VF061706.D

Acq: 22 Feb 2019 13:51

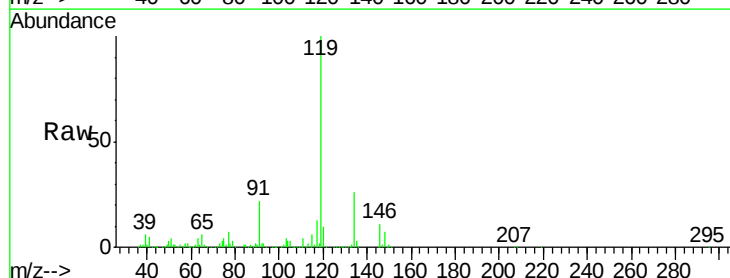
Tgt Ion:119 Resp: 367213

Ion Ratio Lower Upper

119 100

134 25.9 13.7 41.1

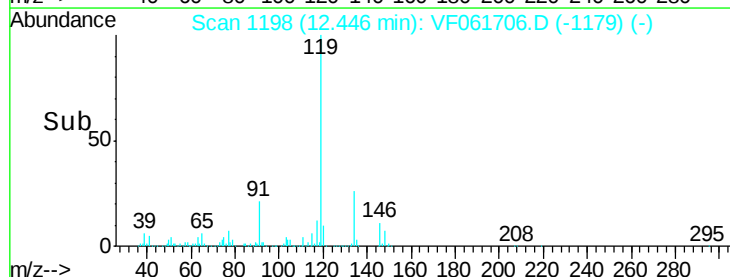
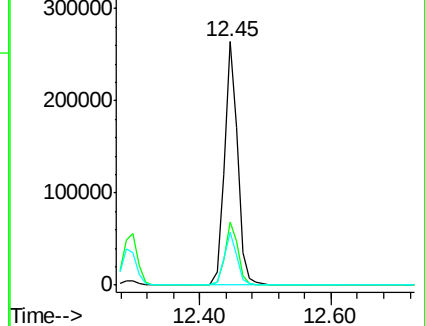
91 21.5 10.8 32.4

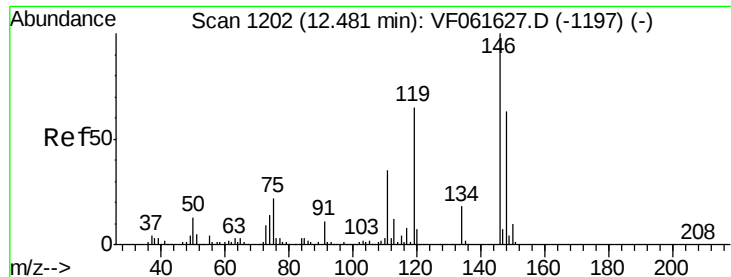


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

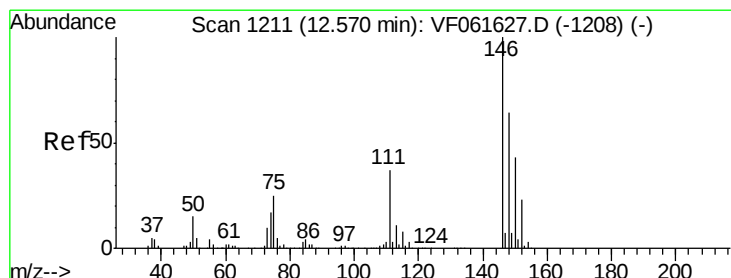
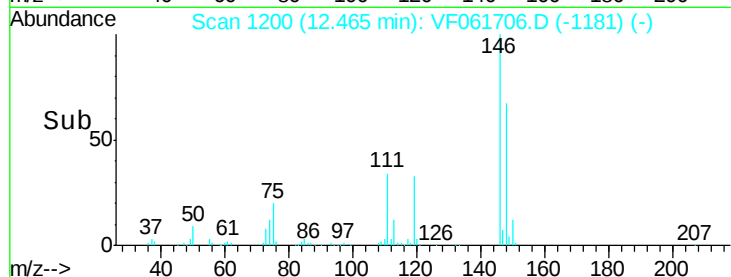
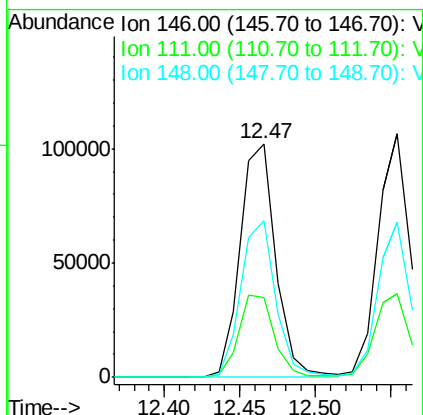
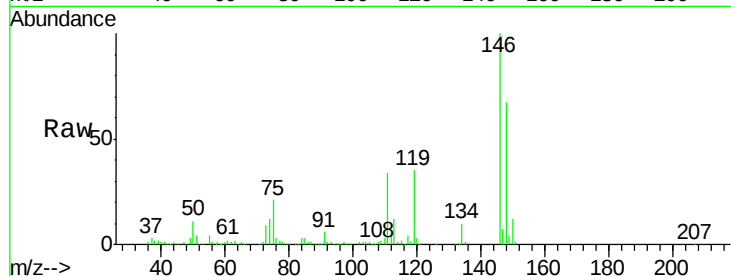




#87
 1,3-Dichlorobenzene
 Concen: 20.458 ug/l
 RT: 12.47 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VF061706.D
 Acq: 22 Feb 2019 13:51

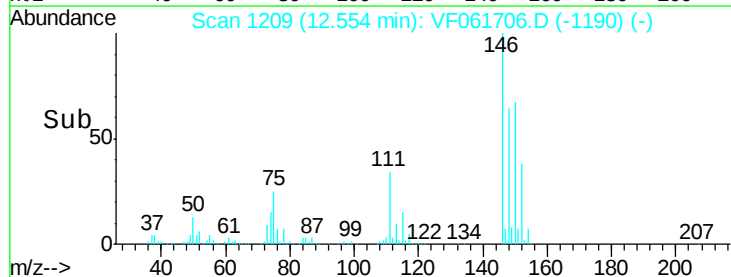
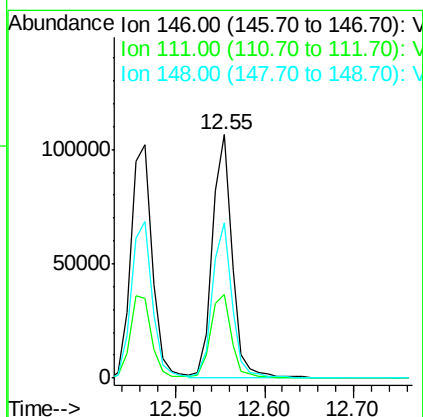
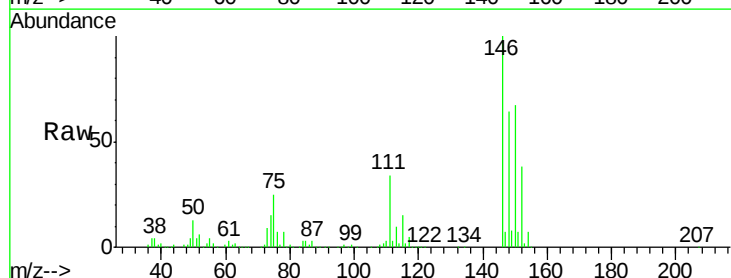
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0222SBS01

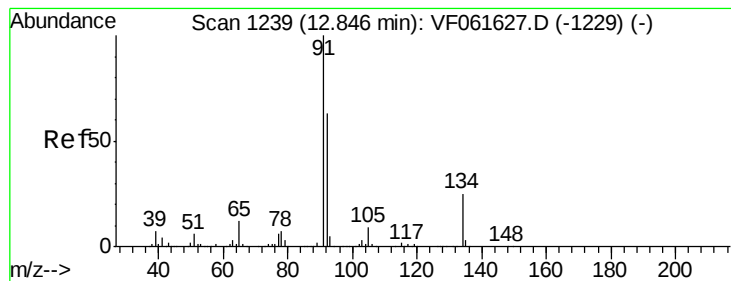
Tot Ion:146 Resp: 167920
 Ion Ratio Lower Upper
 146 100
 111 34.0 17.5 52.6
 148 66.8 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 20.821 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.02 min
 Lab File: VF061706.D
 Acq: 22 Feb 2019 13:51

Tgt Ion:146 Resp: 164361
 Ion Ratio Lower Upper
 146 100
 111 34.3 18.4 55.4
 148 63.8 32.2 96.6





#89

n-Butylbenzene

Concen: 23.149 ug/l

RT: 12.83 min Scan# 1237

Delta R.T. -0.02 min

Lab File: VF061706.D

Acq: 22 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

VF0222SBS01

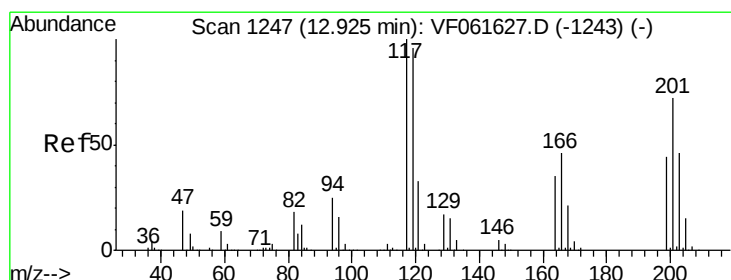
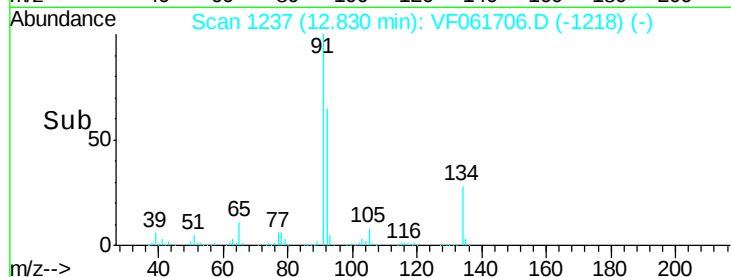
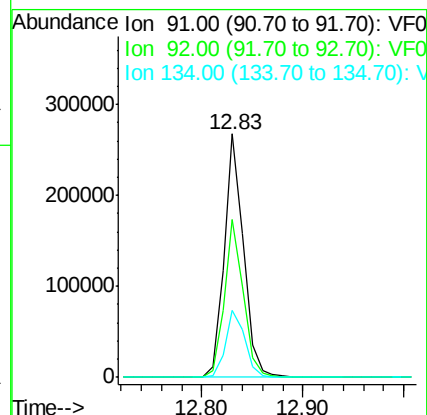
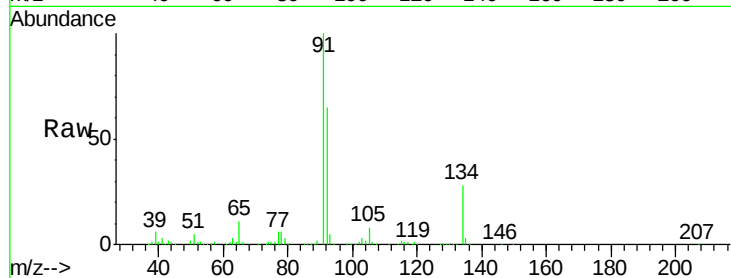
Tot Ion: 91 Resp: 357912

Ion Ratio Lower Upper

91 100

92 64.7 31.4 94.3

134 27.6 12.3 36.9



#90

Hexachloroethane

Concen: 22.389 ug/l

RT: 12.90 min Scan# 1244

Delta R.T. -0.03 min

Lab File: VF061706.D

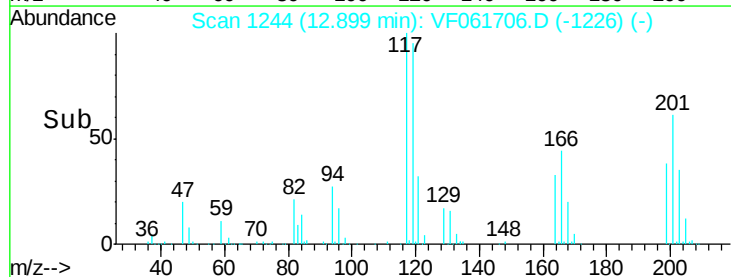
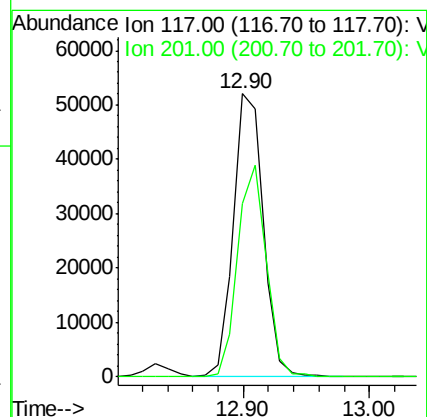
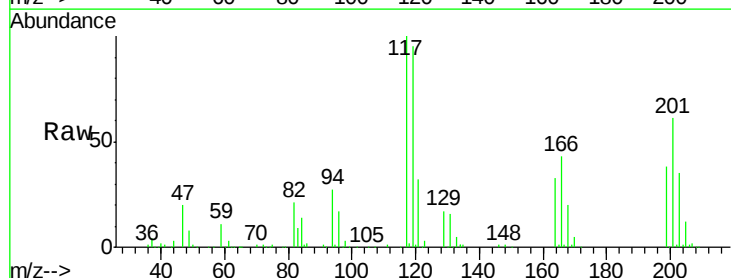
Acq: 22 Feb 2019 13:51

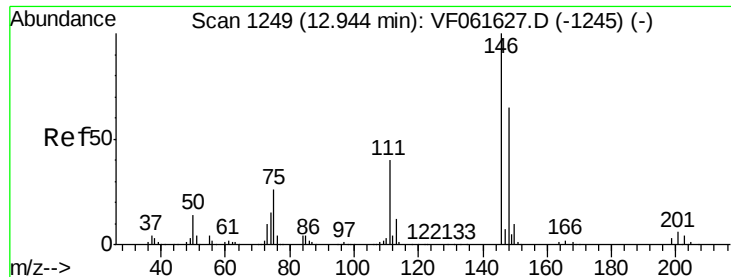
Tgt Ion: 117 Resp: 85260

Ion Ratio Lower Upper

117 100

201 61.2 36.2 108.6

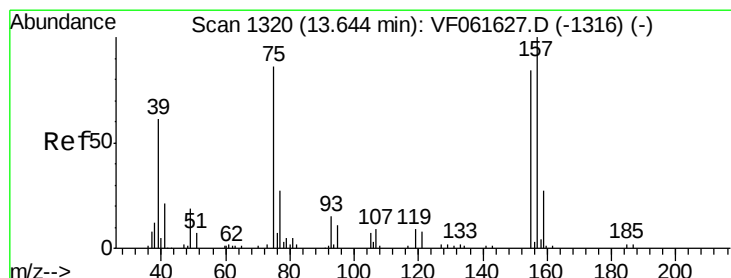
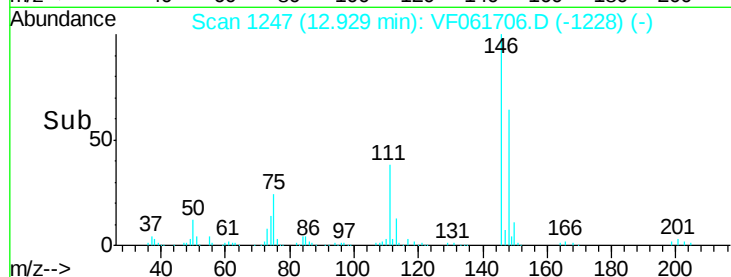
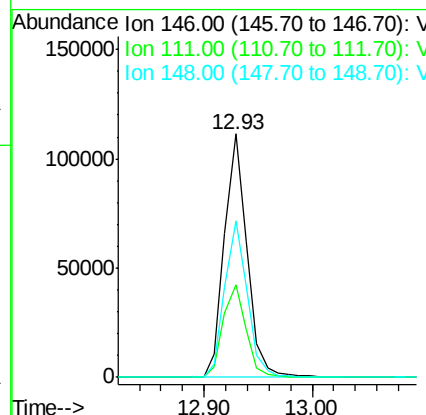
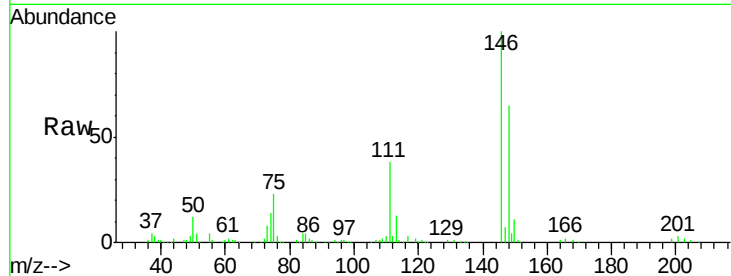




#91
 1,2-Dichlorobenzene
 Concen: 20.858 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.02 min
 Lab File: VF061706.D
 Acq: 22 Feb 2019 13:51

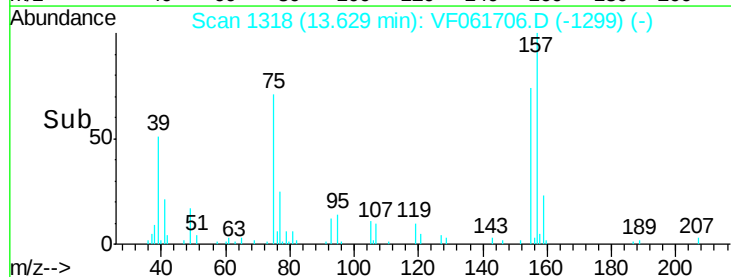
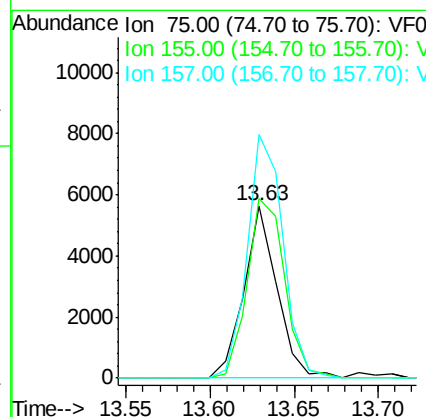
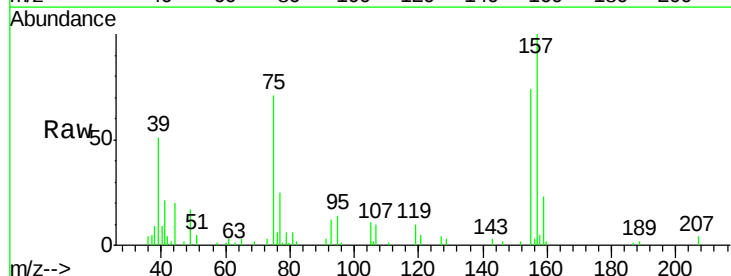
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0222SBS01

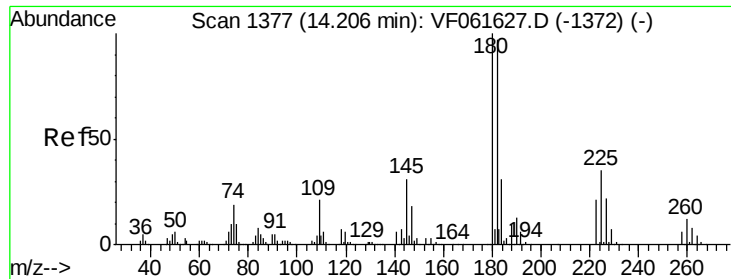
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	20.2	60.5
148	64.5	32.3	96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.005 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.02 min
 Lab File: VF061706.D
 Acq: 22 Feb 2019 13:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.3	48.9	146.8
157	141.2	58.3	174.8

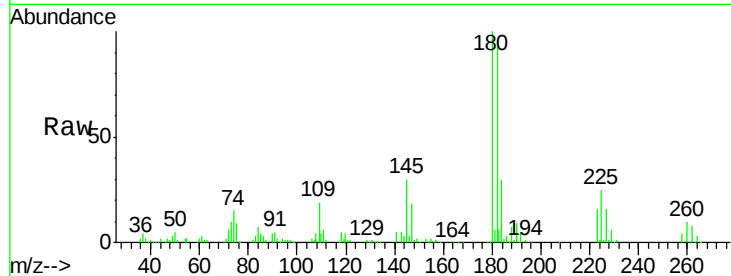




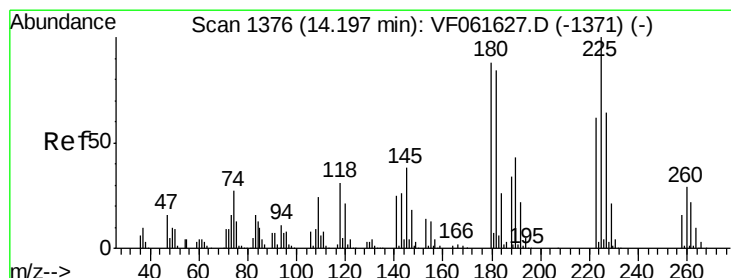
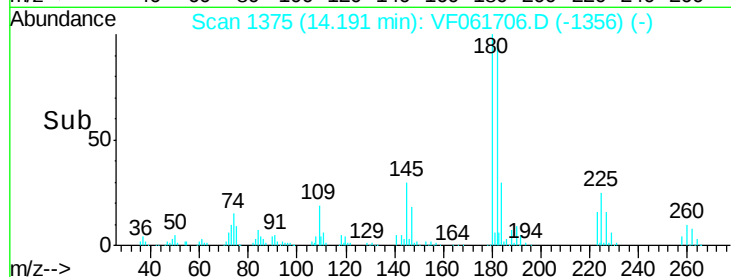
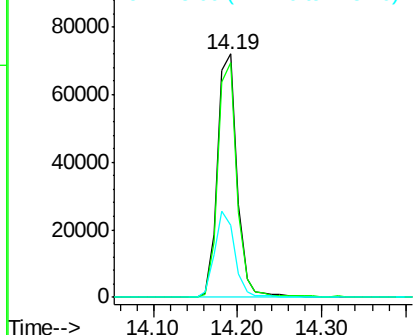
#93
 1,2,4-Trichlorobenzene
 Concen: 20.999 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VF061706.D
 Acq: 22 Feb 2019 13:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0222SBS01

Tot Ion:180 Resp: 117512
 Ion Ratio Lower Upper
 180 100
 182 96.3 48.6 145.9
 145 29.8 15.3 45.9

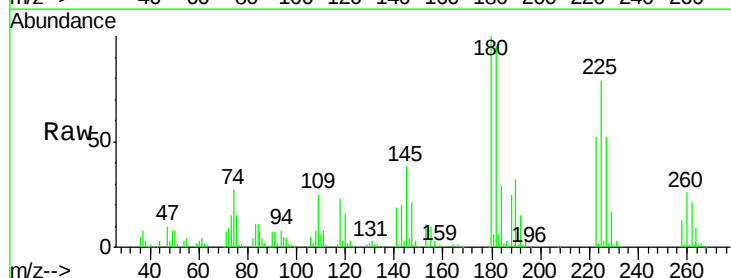


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

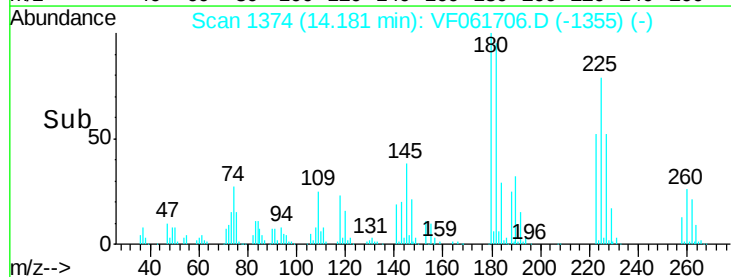
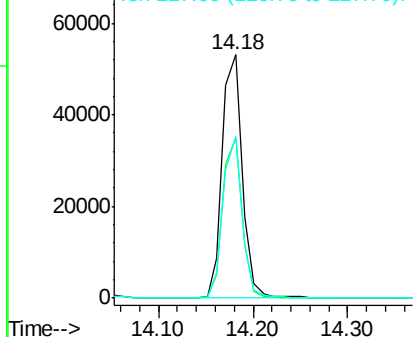


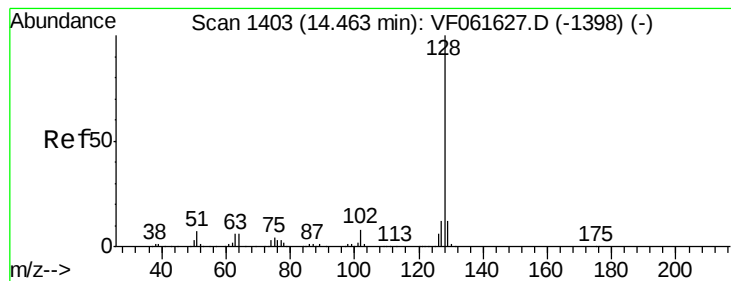
#94
 Hexachlorobutadiene
 Concen: 22.638 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.02 min
 Lab File: VF061706.D
 Acq: 22 Feb 2019 13:51

Tgt Ion:225 Resp: 78240
 Ion Ratio Lower Upper
 225 100
 223 65.7 30.9 92.7
 227 66.2 32.1 96.3



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





#95

Naphthalene

Concen: 17.674 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. -0.02 min

Lab File: VF061706.D

Acq: 22 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

VF0222SBS01

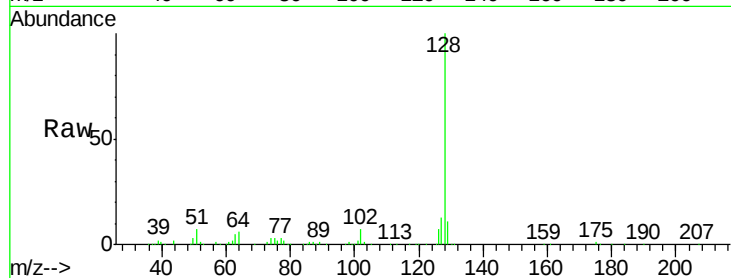
Tot Ion:128 Resp: 173048

Ion Ratio Lower Upper

128 100

127 13.1 9.8 14.6

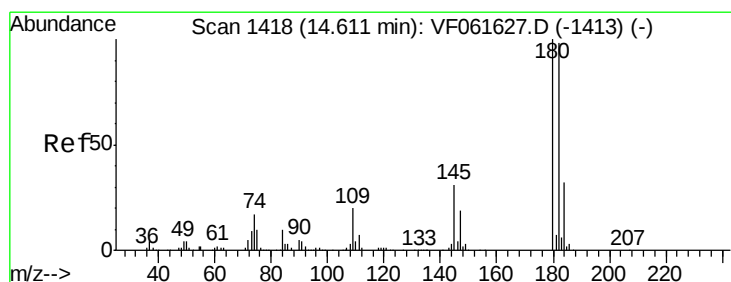
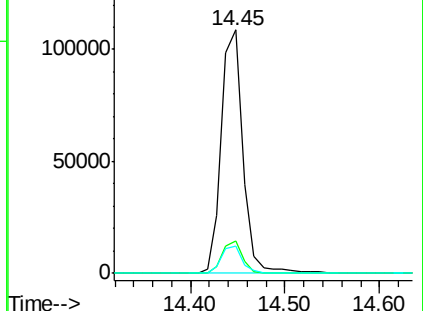
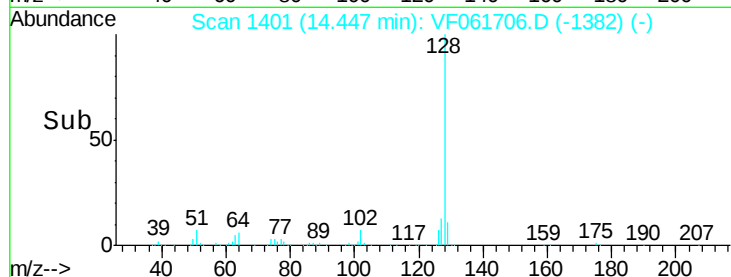
129 11.1 9.4 14.2



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: 20.072 ug/l

RT: 14.59 min Scan# 1415

Delta R.T. -0.03 min

Lab File: VF061706.D

Acq: 22 Feb 2019 13:51

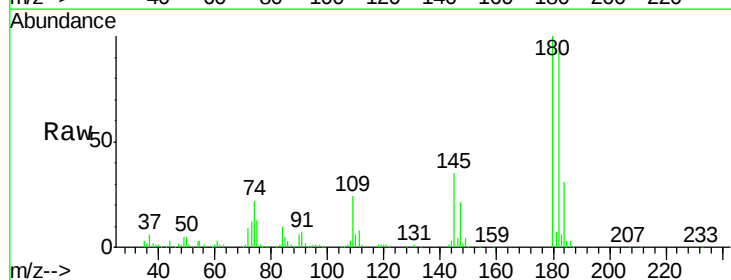
Tgt Ion:180 Resp: 103098

Ion Ratio Lower Upper

180 100

182 92.7 49.0 147.2

145 34.6 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

