

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022219\
 Data File : VF061707.D
 Acq On : 22 Feb 2019 14:20
 Operator : VA/AP
 Sample : VF0222SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0222SBSD01

Quant Time: Feb 23 01:43:15 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	4.85	168	348335	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.58	114	508048	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	445368	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	246252	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	148840	58.27	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	116.54%	
35) Dibromofluoromethane	4.09	113	210772	55.87	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	111.74%	
50) Toluene-d8	7.53	98	587968	54.21	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	108.42%	
62) 4-Bromofluorobenzene	11.40	95	233027	53.10	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	106.20%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	95836	23.957	ug/l	97
3) Chloromethane	1.09	50	91565	21.816	ug/l	96
4) Vinyl Chloride	1.13	62	83442	21.386	ug/l	96
5) Bromomethane	1.32	94	55901	20.817	ug/l	82
6) Chloroethane	1.39	64	40749	21.192	ug/l	93
7) Trichlorofluoromethane	1.48	101	72565	15.420	ug/l	90
8) Diethyl Ether	1.62	74	24360	20.540	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.83	101	70291	20.705	ug/l	93
10) Methyl Iodide	1.91	142	109809	16.932	ug/l	97
11) Tert butyl alcohol	2.56	59	15270	103.293	ug/l	99
12) 1,1-Dichloroethene	1.79	96	63200	21.173	ug/l	88
13) Acrolein	2.00	56	18741	100.867	ug/l	92
14) Allyl chloride	2.09	41	68945	18.823	ug/l	98
15) Acrylonitrile	2.94	53	48553	92.594	ug/l	99
16) Acetone	2.24	43	60875	111.074	ug/l	95
17) Carbon Disulfide	1.82	76	148137	15.789	ug/l	98
18) Methyl Acetate	2.33	43	27795	22.513	ug/l	99
19) Methyl tert-butyl Ether	2.42	73	115998	22.739	ug/l	99
20) Methylene Chloride	2.17	84	21925	5.208	ug/l	97
21) trans-1,2-Dichloroethene	2.29	96	54684	16.853	ug/l	97
22) Diisopropyl ether	2.79	45	194020	22.067	ug/l	93
23) Vinyl Acetate	3.17	43	449853	104.754	ug/l	98
24) 1,1-Dichloroethane	2.86	63	112450	21.134	ug/l	99
25) 2-Butanone	4.32	43	120481	100.641	ug/l	93
26) 2,2-Dichloropropane	3.58	77	52731	23.397	ug/l	93
27) cis-1,2-Dichloroethene	3.46	96	91891	21.576	ug/l	99
28) Bromochloromethane	3.69	49	53734	21.048	ug/l	98
29) Tetrahydrofuran	4.06	42	62037	114.016	ug/l	97
30) Chloroform	3.84	83	135080	22.324	ug/l	100
31) Cyclohexane	3.67	56	70941	12.316	ug/l	98
32) 1,1,1-Trichloroethane	4.07	97	74742	18.857	ug/l	95
36) 1,1-Dichloropropene	4.26	75	108730	21.604	ug/l	95
37) Ethyl Acetate	4.09	43	51208	21.906	ug/l #	89
38) Carbon Tetrachloride	3.96	117	76678	22.064	ug/l	98

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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	5.44	83	132675	22.290	ug/l	99
40) Benzene	4.61	78	295367	22.437	ug/l	99
41) Methacrylonitrile	4.73	41	25217	21.094	ug/l	95
42) 1,2-Dichloroethane	4.92	62	72274	22.952	ug/l	94
43) Isopropyl Acetate	6.94	43	57159	20.657	ug/l	98
44) Trichloroethene	5.48	130	95846	22.515	ug/l	99
45) 1,2-Dichloropropane	6.22	63	68346	21.479	ug/l	99
46) Dibromomethane	6.06	93	39043	19.928	ug/l	89
47) Bromodichloromethane	6.37	83	90098	21.000	ug/l	98
48) Methyl methacrylate	6.70	41	31682	19.026	ug/l	96
49) 1,4-Dioxane	6.69	88	5447	347.976	ug/l #	84
51) 4-Methyl-2-Pentanone	8.24	43	202430	102.386	ug/l	96
52) Toluene	7.61	92	168356	21.087	ug/l	98
53) t-1,3-Dichloropropene	8.26	75	77355	21.664	ug/l	95
54) cis-1,3-Dichloropropene	7.28	75	104374	21.945	ug/l	98
55) 1,1,2-Trichloroethane	8.48	97	47535	20.264	ug/l	95
56) Ethyl methacrylate	8.61	69	53702	20.563	ug/l	94
57) 1,3-Dichloropropane	8.83	76	81007	20.690	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.27	63	43226	95.929	ug/l	91
59) 2-Hexanone	9.47	43	145311	104.849	ug/l	98
60) Dibromochloromethane	8.69	129	67217	20.587	ug/l	98
61) 1,2-Dibromoethane	8.97	107	51632	20.293	ug/l	98
64) Tetrachloroethene	8.13	164	82156	22.568	ug/l	97
65) Chlorobenzene	9.78	112	190671	21.098	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.91	131	77520	21.890	ug/l	96
67) Ethyl Benzene	9.88	91	324735	21.607	ug/l	98
68) m/p-Xylenes	10.11	106	247752	43.073	ug/l	97
69) o-Xylene	10.70	106	129849	21.156	ug/l	91
70) Styrene	10.77	104	178168	20.520	ug/l	98
71) Bromoform	10.75	173	37590	19.547	ug/l	96
73) Isopropylbenzene	11.11	105	389518	22.217	ug/l	98
74) N-amyl acetate	11.36	43	91433	21.727	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.68	83	63246	20.135	ug/l	97
76) 1,2,3-Trichloropropane	11.78	75	43625	20.428	ug/l	95
77) Bromobenzene	11.48	156	94948	21.921	ug/l	95
78) n-propylbenzene	11.58	91	432562	21.500	ug/l	98
79) 2-Chlorotoluene	11.70	91	247442	21.960	ug/l	93
80) 1,3,5-Trimethylbenzene	11.81	105	309757	22.105	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.86	75	26464	25.849	ug/l	95
82) 4-Chlorotoluene	11.89	91	245664	21.005	ug/l	99
83) tert-Butylbenzene	12.12	119	349019	22.487	ug/l	99
84) 1,2,4-Trimethylbenzene	12.19	105	309457	22.229	ug/l	99
85) sec-Butylbenzene	12.29	105	442558	22.050	ug/l	98
86) p-Isopropyltoluene	12.45	119	372194	22.096	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	179886	21.303	ug/l	98
88) 1,4-Dichlorobenzene	12.55	146	174284	21.461	ug/l	99
89) n-Butylbenzene	12.84	91	363857	22.876	ug/l	95
90) Hexachloroethane	12.90	117	85660	21.866	ug/l	95
91) 1,2-Dichlorobenzene	12.92	146	166041	20.673	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	10195	20.472	ug/l #	57

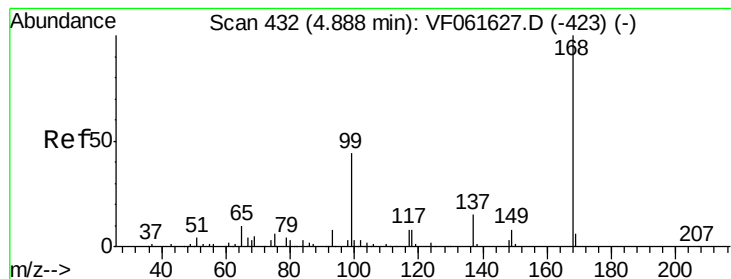
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF022219\
Data File : VF061707.D
Acq On : 22 Feb 2019 14:20
Operator : VA/AP
Sample : VF0222SBSD01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0222SBSD01

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Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	14.19	180	128708	22.357	ug/l	99
94) Hexachlorobutadiene	14.18	225	82033	23.073	ug/l	97
95) Naphthalene	14.44	128	208946	20.744	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	114911	21.747	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.04 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

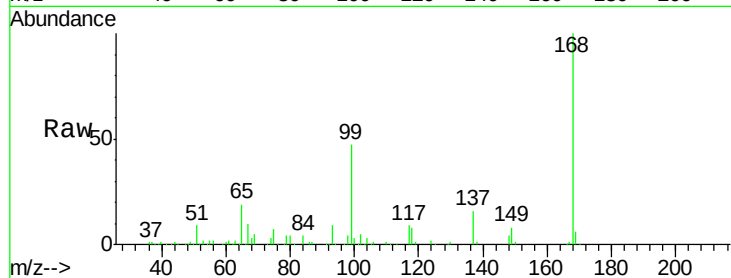
VF0222SBSD01

Tot Ion:168 Resp: 348335

Ion Ratio Lower Upper

168 100

99 46.5 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

120000

100000

80000

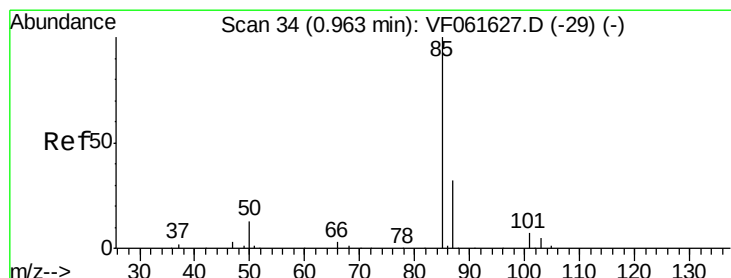
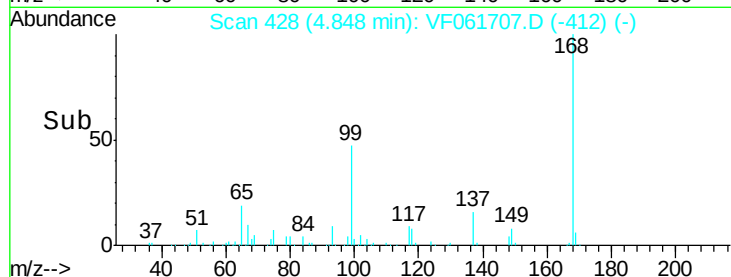
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 23.957 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.00 min

Lab File: VF061707.D

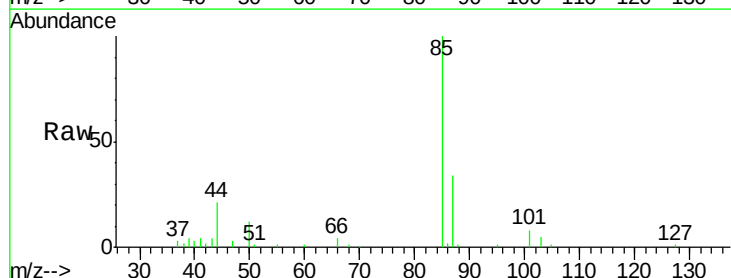
Acq: 22 Feb 2019 14:20

Tgt Ion: 85 Resp: 95836

Ion Ratio Lower Upper

85 100

87 33.9 16.1 48.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

25000

20000

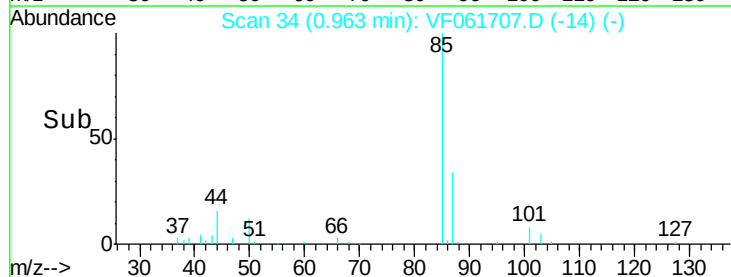
15000

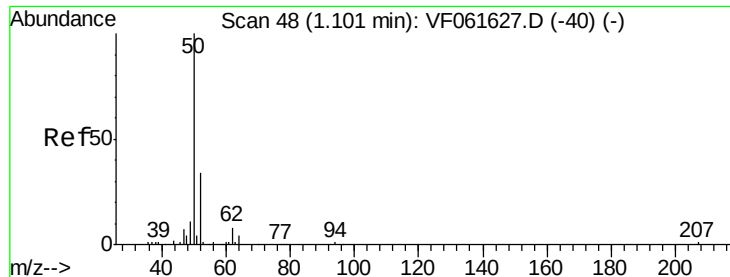
10000

5000

0

Time-->





#3

Chloromethane

Concen: 21.816 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

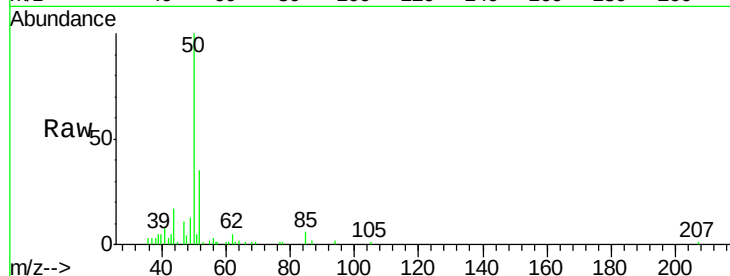
VF0222SBS01

Tot Ion: 50 Resp: 91565

Ion Ratio Lower Upper

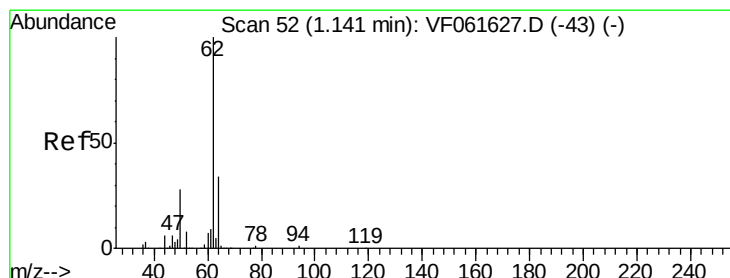
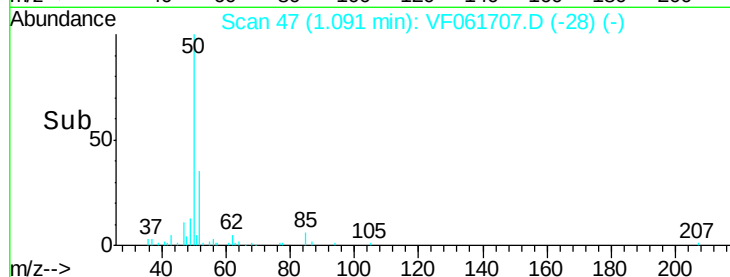
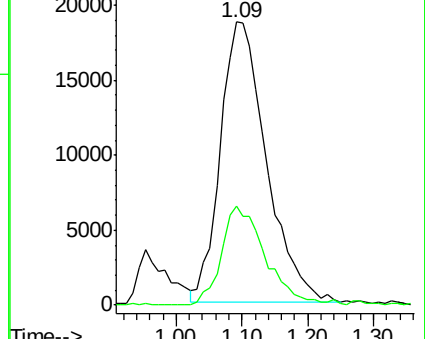
50 100

52 35.1 26.2 39.4



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 21.386 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF061707.D

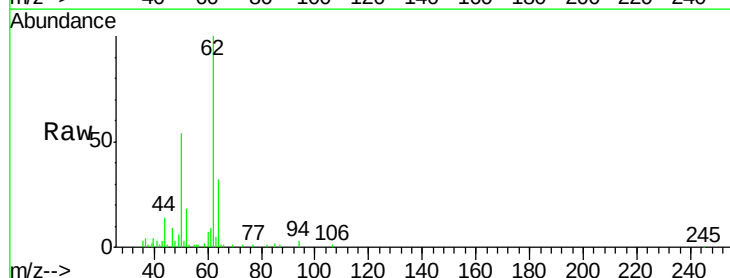
Acq: 22 Feb 2019 14:20

Tgt Ion: 62 Resp: 83442

Ion Ratio Lower Upper

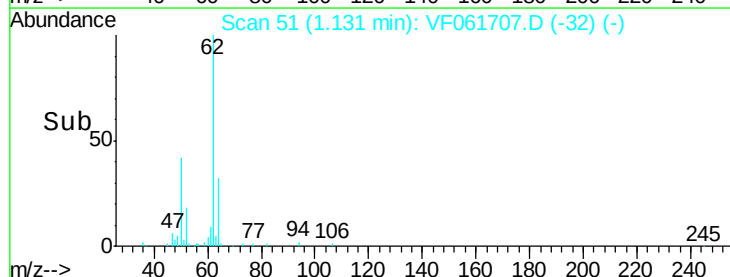
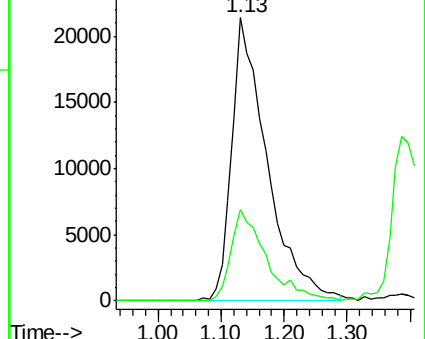
62 100

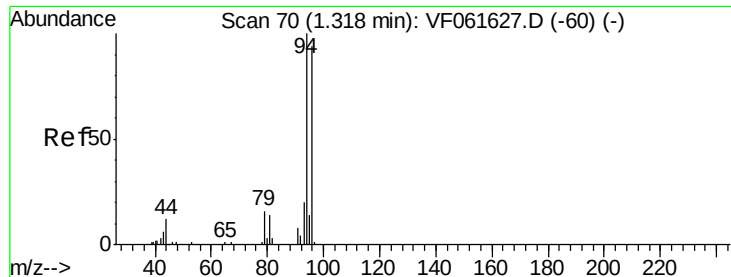
64 32.1 27.5 41.3



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 20.817 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

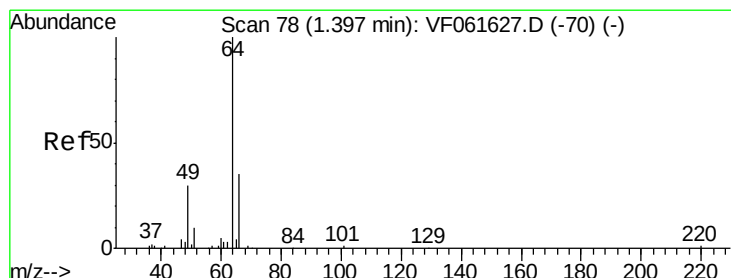
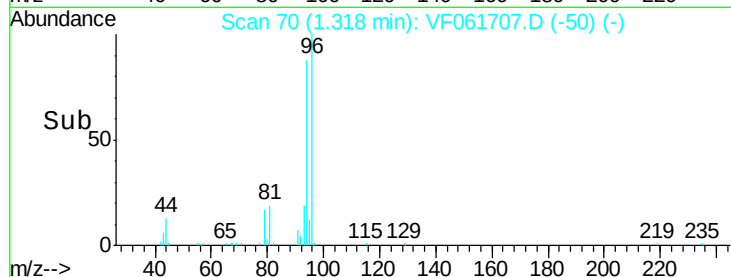
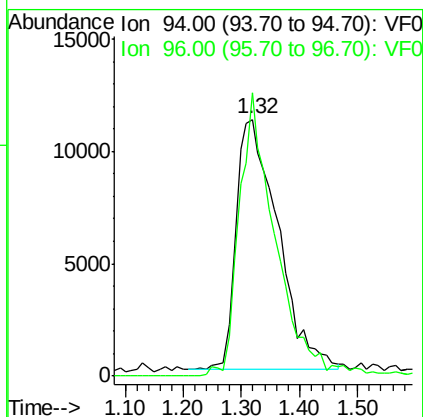
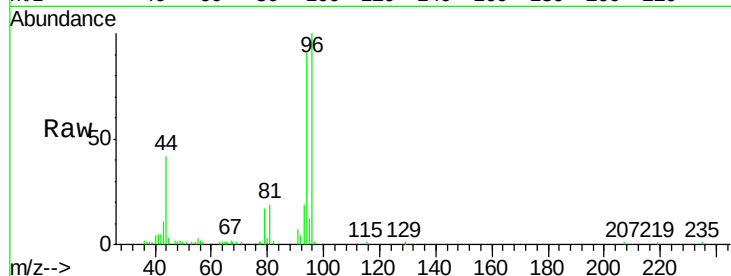
VF0222SBSD01

Tot Ion: 94 Resp: 55901

Ion Ratio Lower Upper

94 100

96 110.3 74.6 112.0



#6

Chloroethane

Concen: 21.192 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.01 min

Lab File: VF061707.D

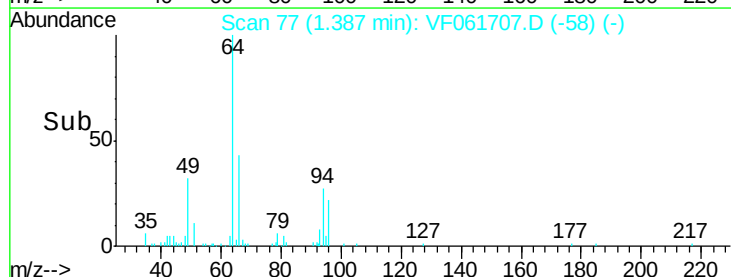
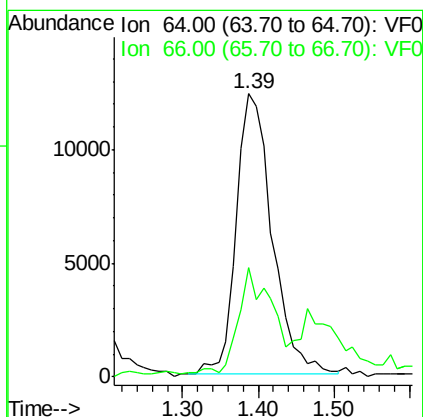
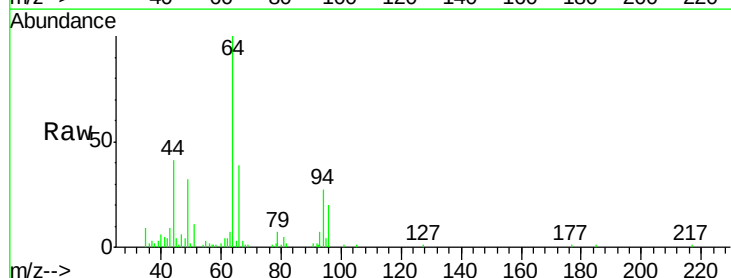
Acq: 22 Feb 2019 14:20

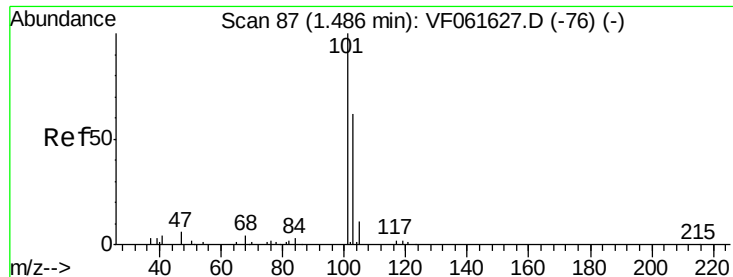
Tgt Ion: 64 Resp: 40749

Ion Ratio Lower Upper

64 100

66 38.8 27.9 41.9





#7

Trichlorofluoromethane

Concen: 15.420 ug/l

RT: 1.48 min Scan# 86

Delta R.T. -0.01 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

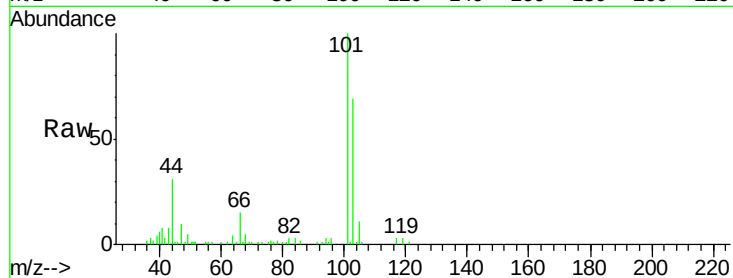
VF0222SBSD01

Tot Ion:101 Resp: 72565

Ion Ratio Lower Upper

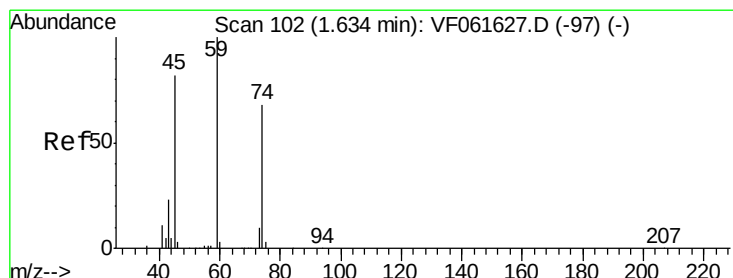
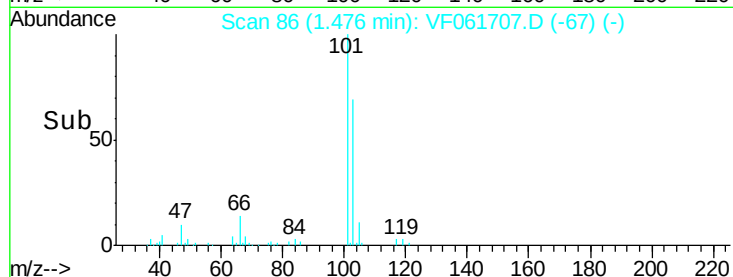
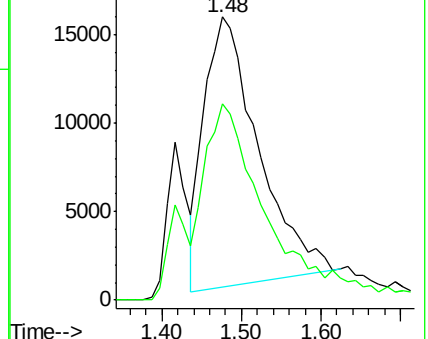
101 100

103 69.4 49.3 73.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 20.540 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.01 min

Lab File: VF061707.D

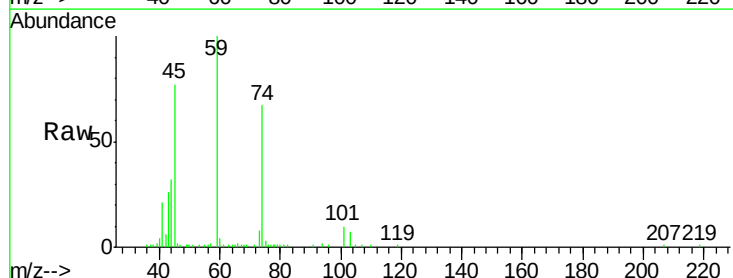
Acq: 22 Feb 2019 14:20

Tgt Ion: 74 Resp: 24360

Ion Ratio Lower Upper

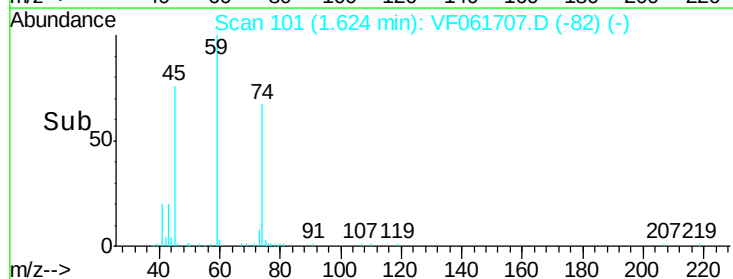
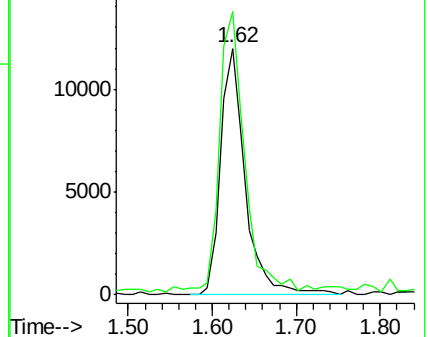
74 100

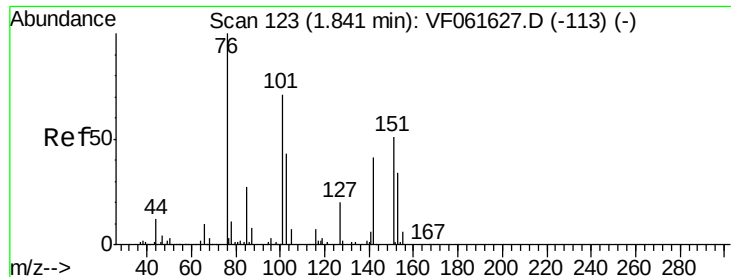
45 114.8 60.8 182.3



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.705 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

VF0222SBS01

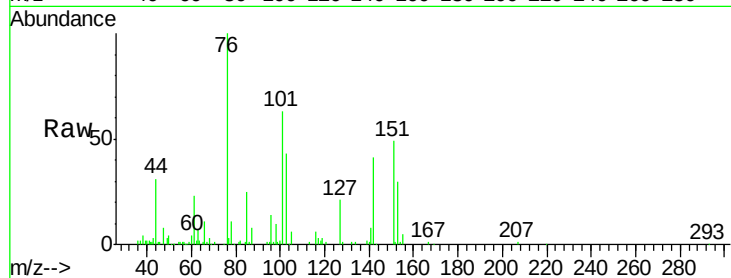
Tot Ion:101 Resp: 70291

Ion Ratio Lower Upper

101 100

85 39.8 29.8 44.6

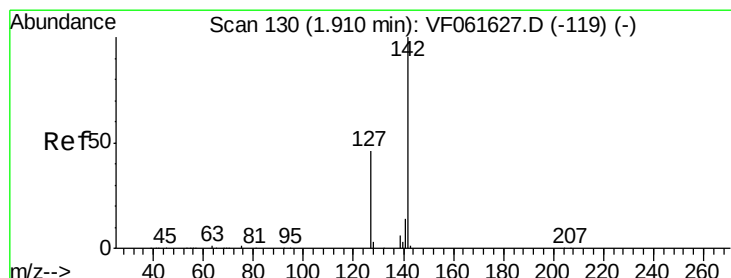
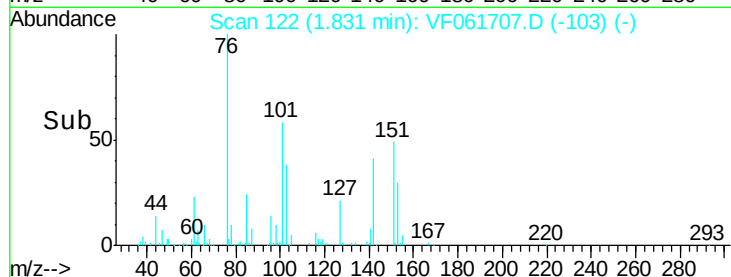
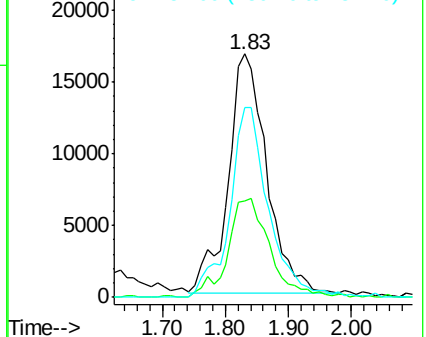
151 77.7 56.3 84.5



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: 16.932 ug/l

RT: 1.91 min Scan# 130

Delta R.T. -0.00 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

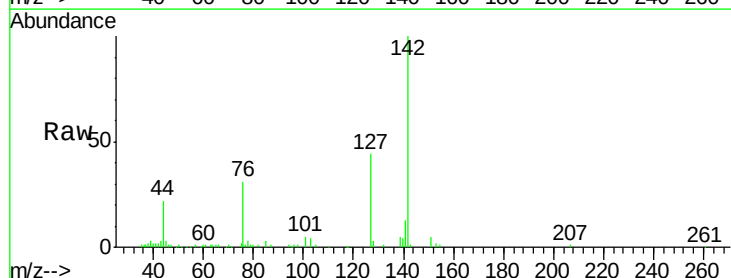
Tgt Ion:142 Resp: 109809

Ion Ratio Lower Upper

142 100

127 43.7 36.6 55.0

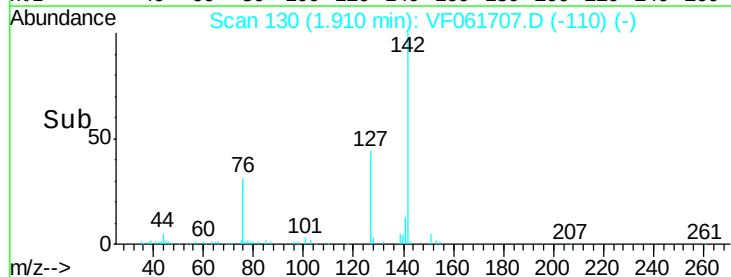
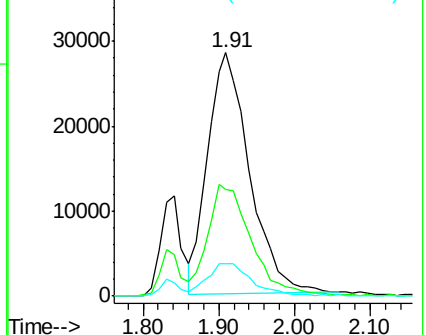
141 13.3 11.0 16.6

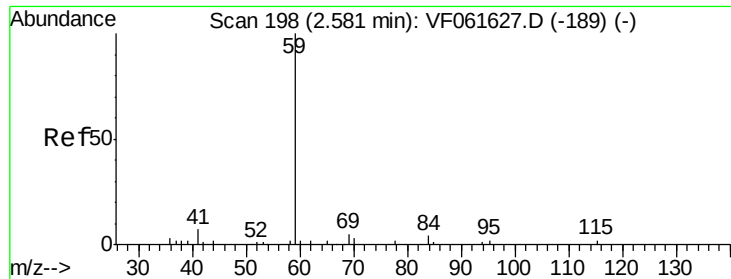


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

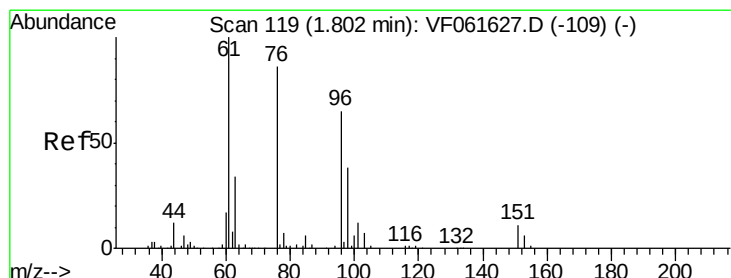
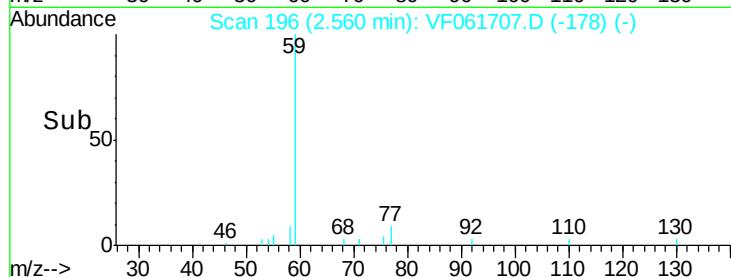
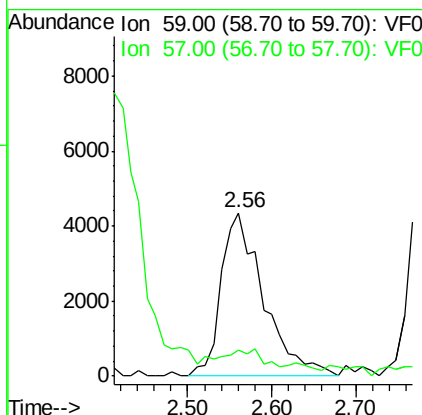
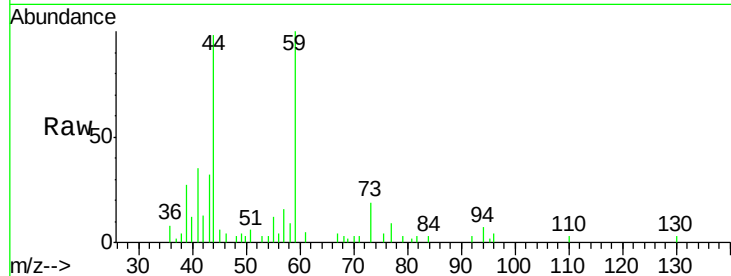




#11
Tert butyl alcohol
Concen: 103.293 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.02 min
Lab File: VF061707.D
Acq: 22 Feb 2019 14:20

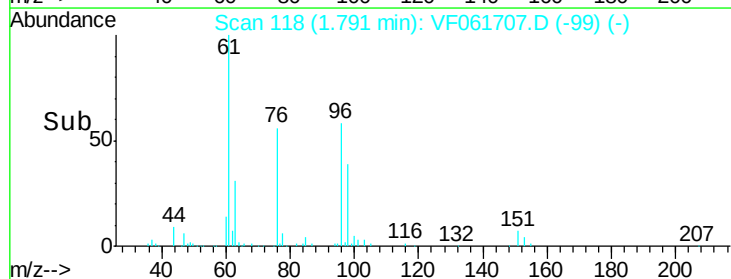
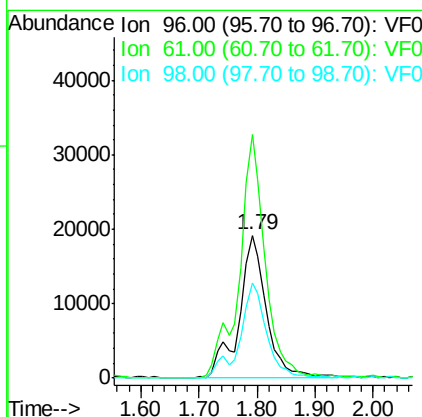
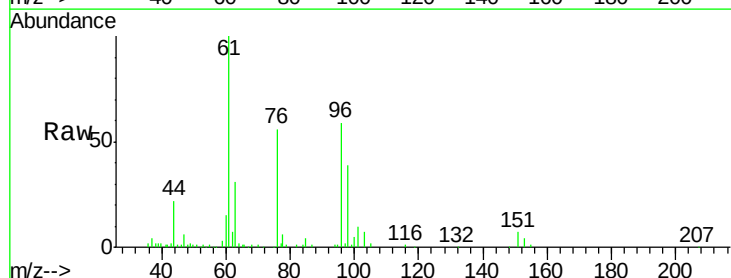
Instrument :
MSVOA_F
ClientSampleId :
VF0222SBSD01

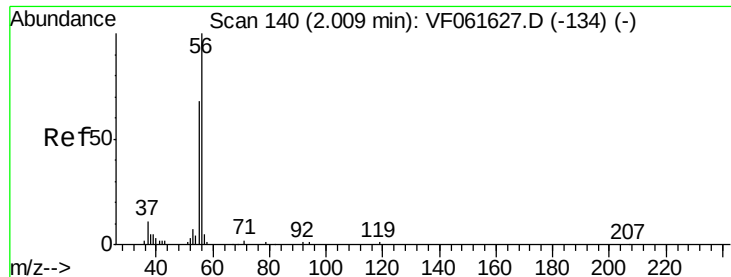
Tot Ion: 59 Resp: 15270
Ion Ratio Lower Upper
59 100
57 16.2 12.5 18.7



#12
1,1-Dichloroethene
Concen: 21.173 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF061707.D
Acq: 22 Feb 2019 14:20

Tgt Ion: 96 Resp: 63200
Ion Ratio Lower Upper
96 100
61 170.7 122.6 184.0
98 66.3 47.2 70.8

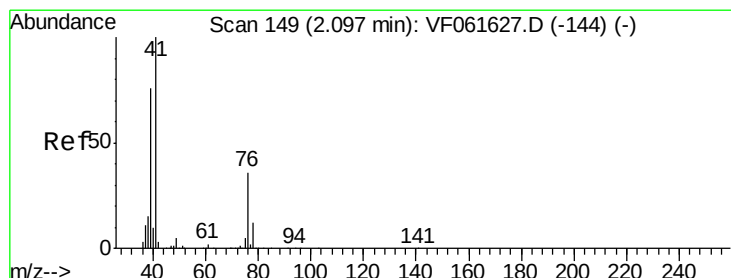
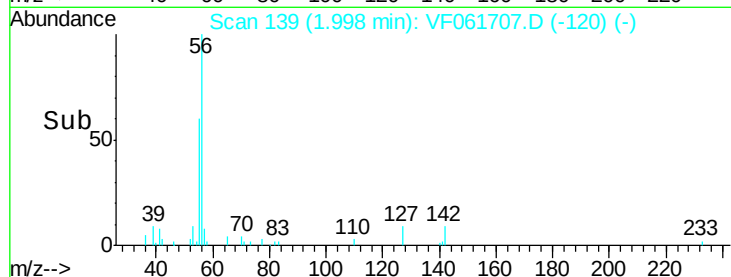
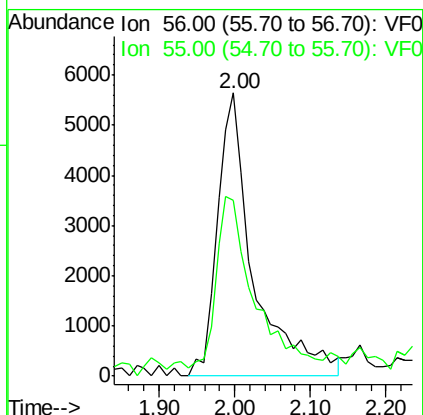
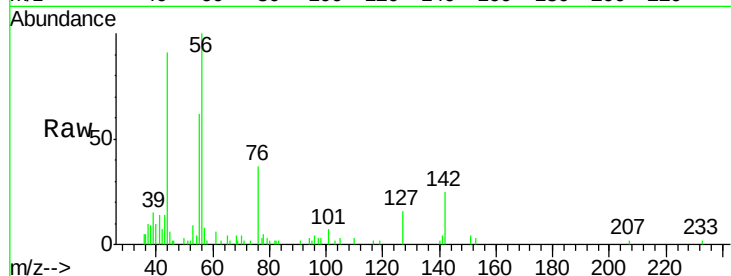




#13
Acrolein
Concen: 100.867 ug/l
RT: 2.00 min Scan# 139
Delta R.T. -0.01 min
Lab File: VF061707.D
Acq: 22 Feb 2019 14:20

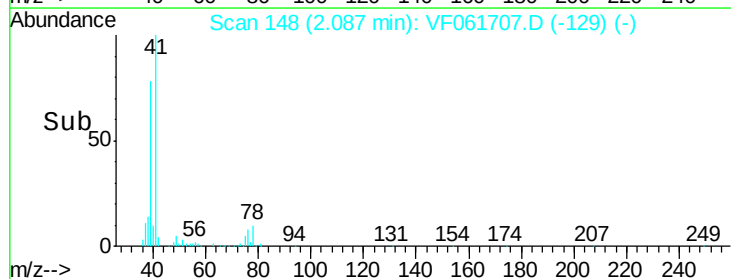
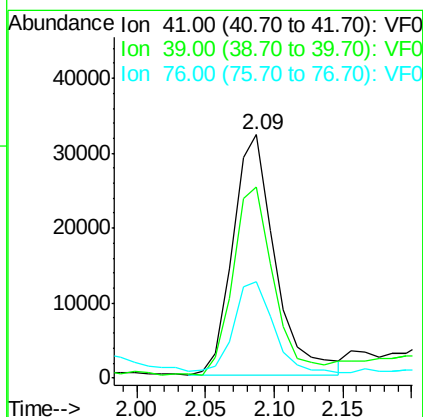
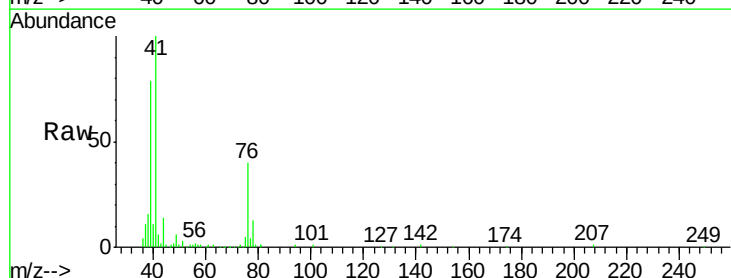
Instrument :
MSVOA_F
ClientSampleId :
VF0222SBS01

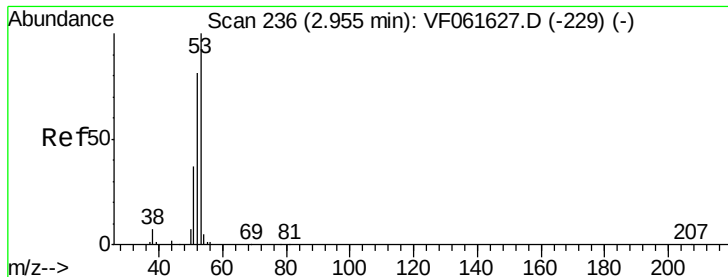
Tot Ion: 56 Resp: 18741
Ion Ratio Lower Upper
56 100
55 62.2 55.0 82.6



#14
Allyl chloride
Concen: 18.823 ug/l
RT: 2.09 min Scan# 148
Delta R.T. -0.01 min
Lab File: VF061707.D
Acq: 22 Feb 2019 14:20

Tgt Ion: 41 Resp: 68945
Ion Ratio Lower Upper
41 100
39 78.5 61.6 92.4
76 39.7 30.3 45.5





#15

Acrylonitrile

Concen: 92.594 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.02 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

VF0222SBS01

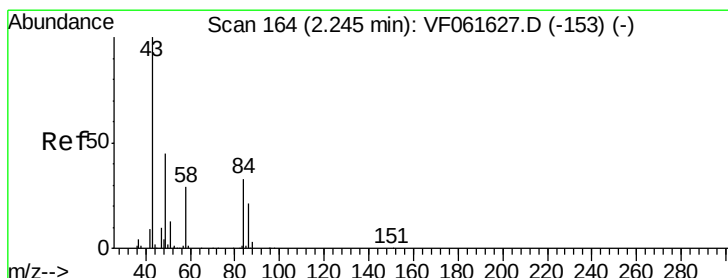
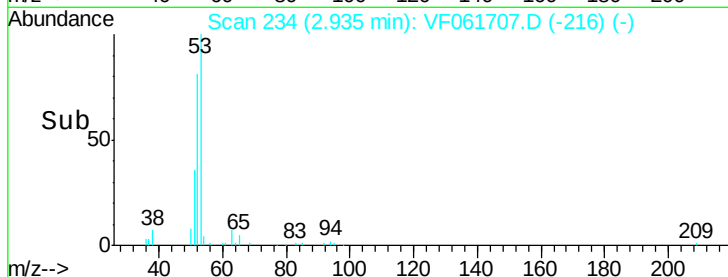
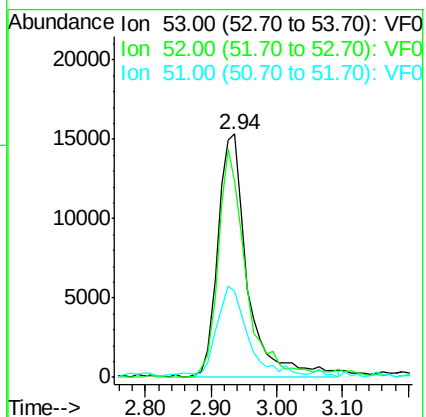
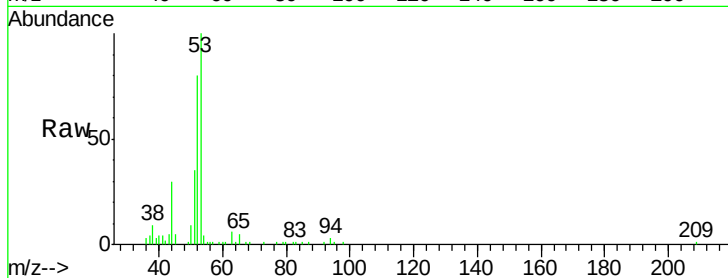
Tot Ion: 53 Resp: 48553

Ion Ratio Lower Upper

53 100

52 80.4 64.6 97.0

51 35.3 29.8 44.8



#16

Acetone

Concen: 111.074 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.01 min

Lab File: VF061707.D

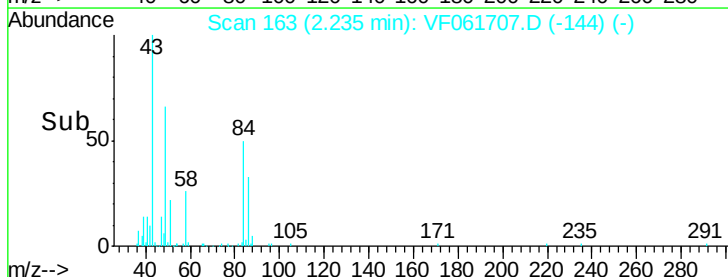
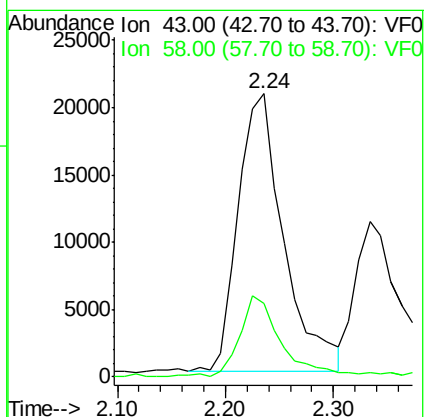
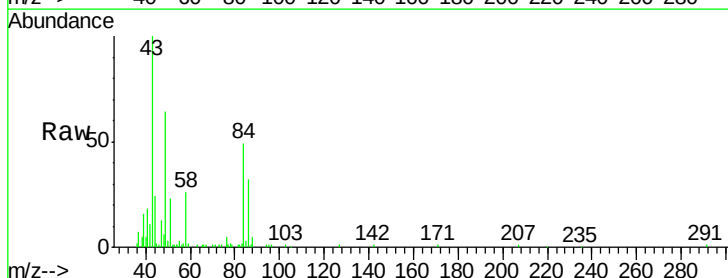
Acq: 22 Feb 2019 14:20

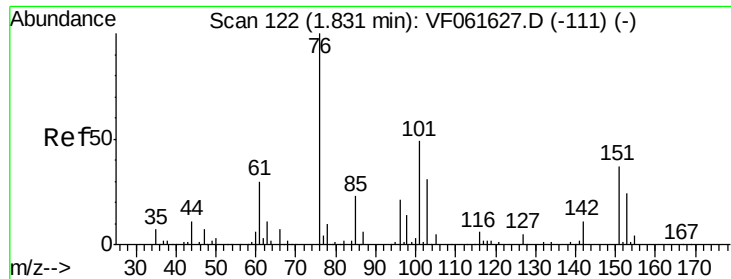
Tgt Ion: 43 Resp: 60875

Ion Ratio Lower Upper

43 100

58 26.2 22.9 34.3

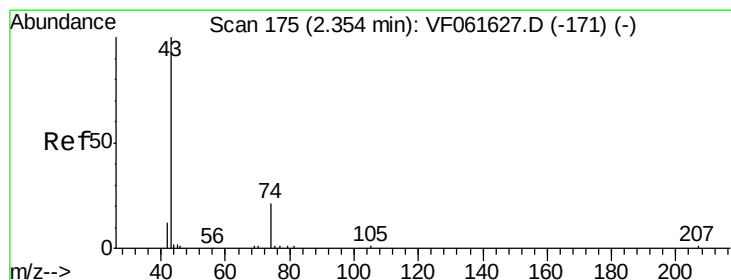
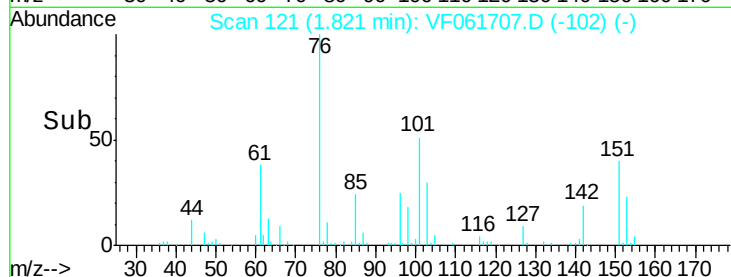
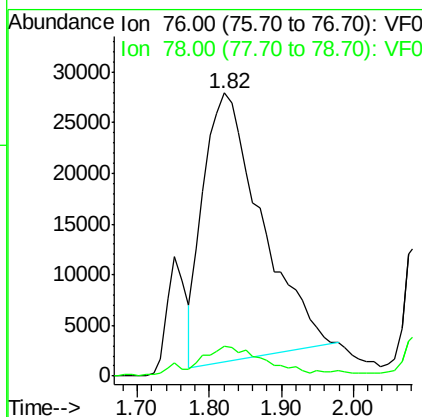
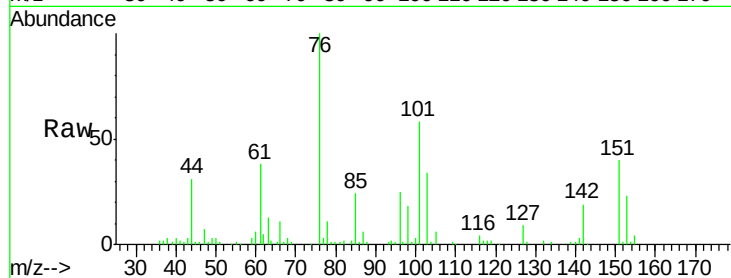




#17
Carbon Disulfide
Concen: 15.789 ug/l
RT: 1.82 min Scan# 121
Delta R.T. -0.01 min
Lab File: VF061707.D
Acq: 22 Feb 2019 14:20

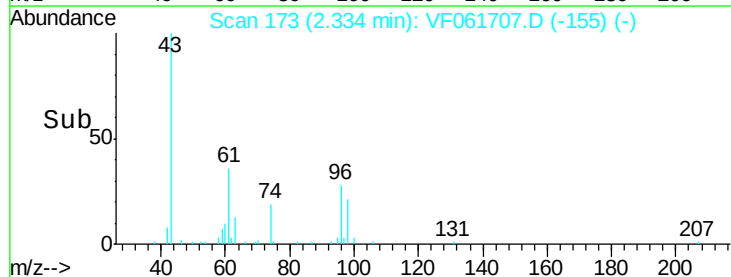
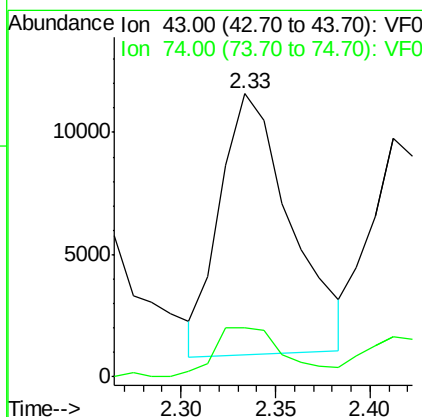
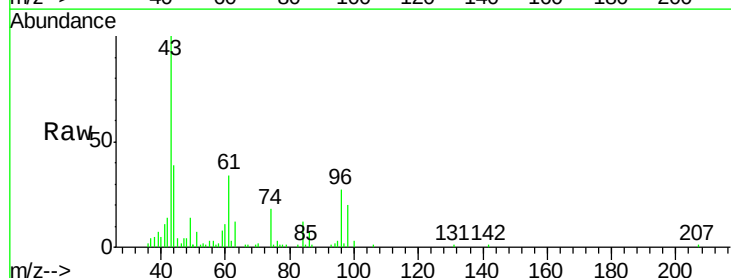
Instrument :
MSVOA_F
ClientSampleId :
VF0222SBSD01

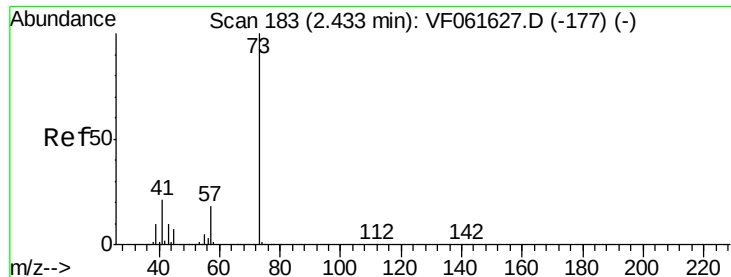
Tot Ion: 76 Resp: 148137
Ion Ratio Lower Upper
76 100
78 10.7 7.9 11.9



#18
Methyl Acetate
Concen: 22.513 ug/l
RT: 2.33 min Scan# 173
Delta R.T. -0.02 min
Lab File: VF061707.D
Acq: 22 Feb 2019 14:20

Tgt Ion: 43 Resp: 27795
Ion Ratio Lower Upper
43 100
74 17.6 14.6 21.8

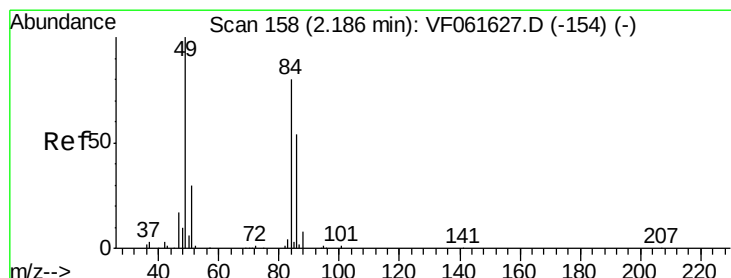
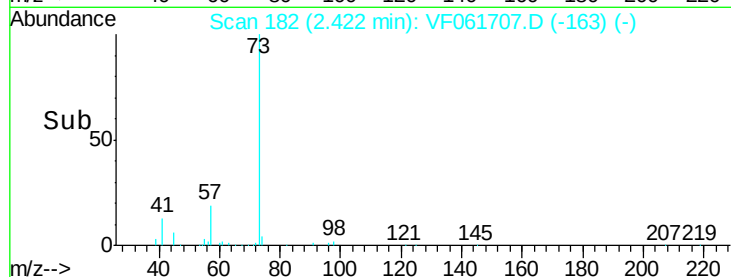
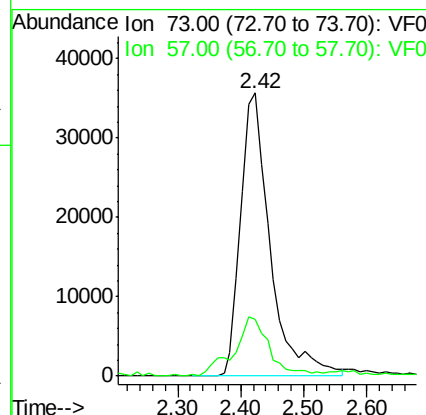
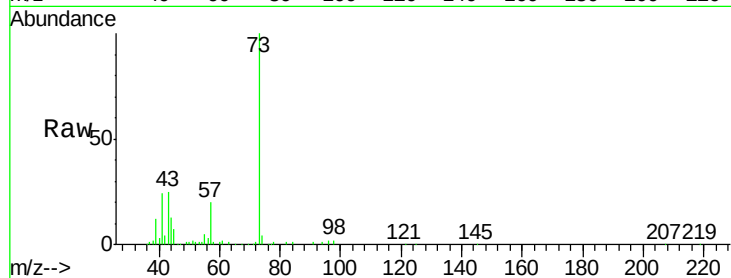




#19
Methyl tert-butyl Ether
Concen: 22.739 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF061707.D
Acq: 22 Feb 2019 14:20

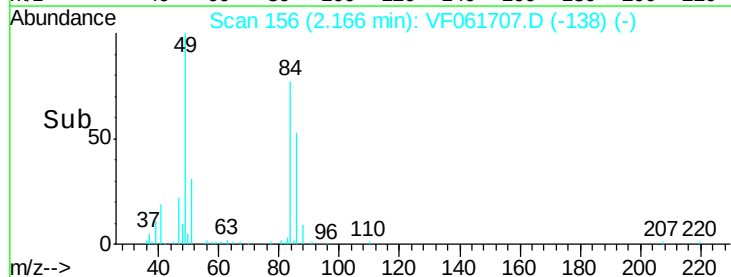
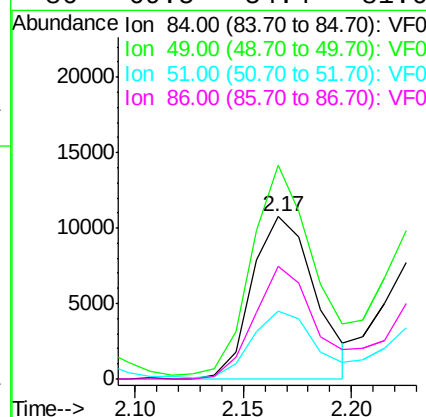
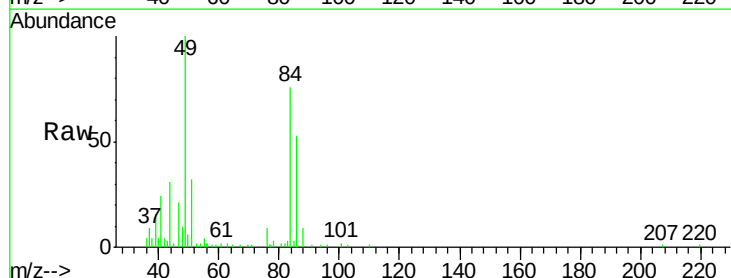
Instrument :
MSVOA_F
ClientSampleId :
VF0222SBS01

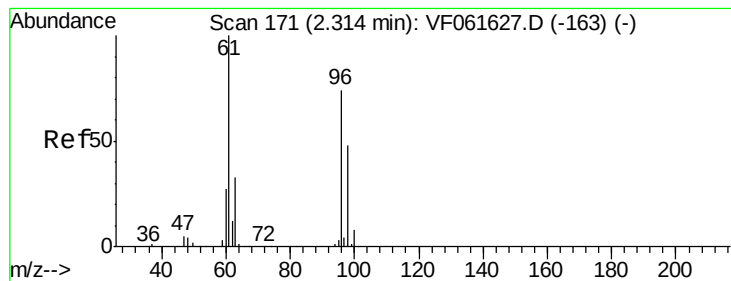
Tot Ion: 73 Resp: 115998
Ion Ratio Lower Upper
73 100
57 20.1 15.8 23.8



#20
Methylene Chloride
Concen: 5.208 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.02 min
Lab File: VF061707.D
Acq: 22 Feb 2019 14:20

Tgt Ion: 84 Resp: 21925
Ion Ratio Lower Upper
84 100
49 131.5 101.8 152.8
51 41.6 31.1 46.7
86 69.5 54.4 81.6





#21

trans-1,2-Dichloroethene

Concen: 16.853 ug/l

RT: 2.29 min Scan# 169

Delta R.T. -0.02 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

VF0222SBSD01

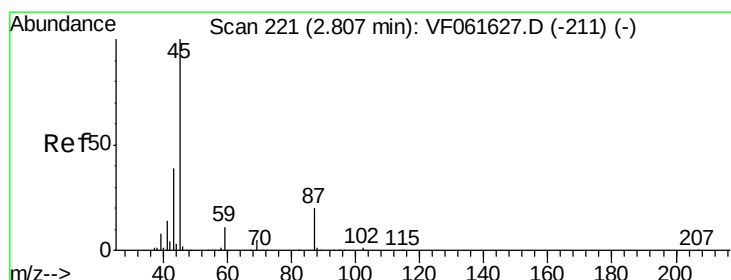
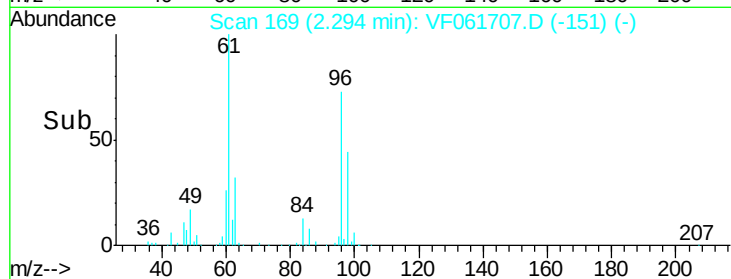
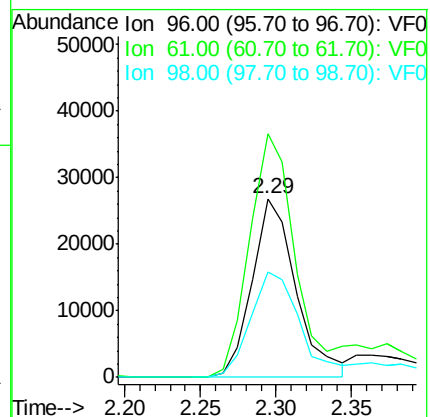
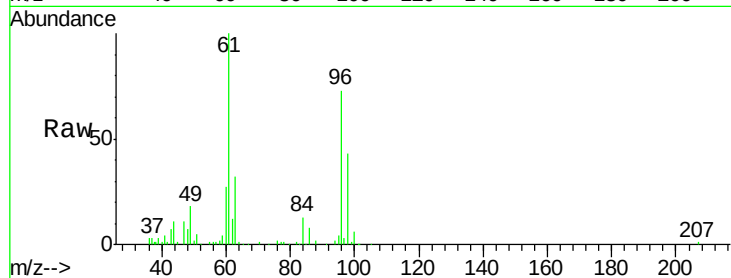
Tot Ion: 96 Resp: 54684

Ion Ratio Lower Upper

96 100

61 136.3 108.2 162.4

98 59.2 52.2 78.2



#22

Diisopropyl ether

Concen: 22.067 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.02 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

Tgt Ion: 45 Resp: 194020

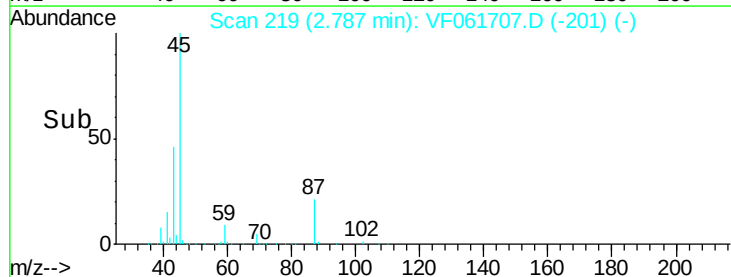
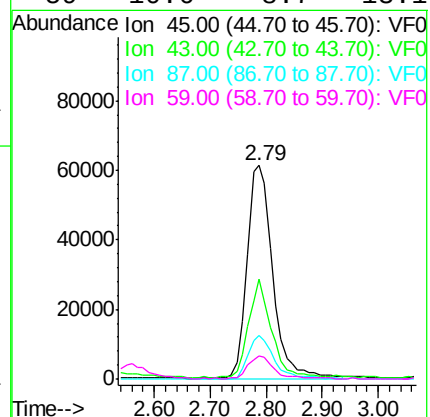
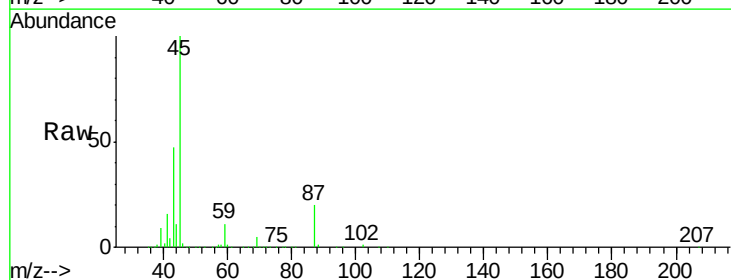
Ion Ratio Lower Upper

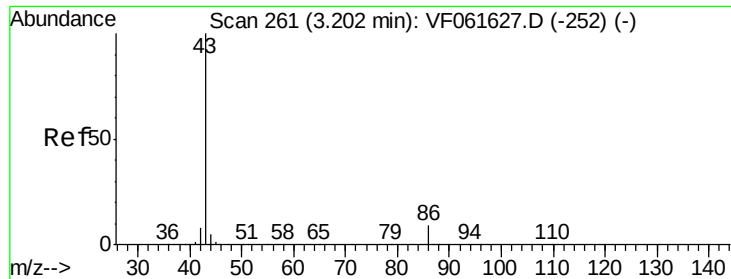
45 100

43 46.8 31.4 47.2

87 20.4 16.3 24.5

59 10.6 8.7 13.1





#23

Vinyl Acetate

Concen: 104.754 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.03 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

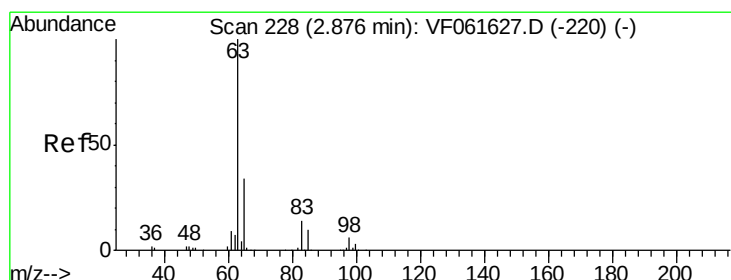
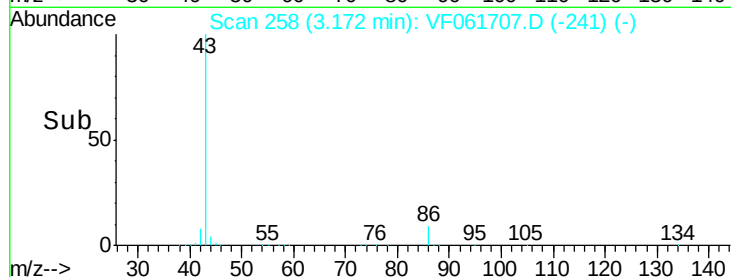
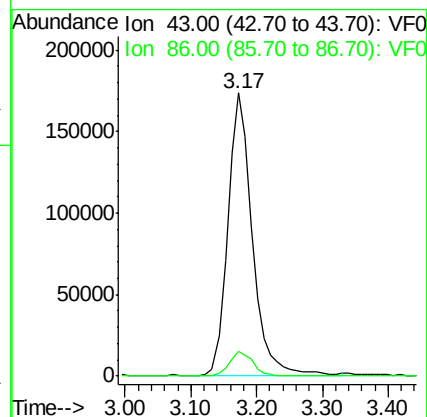
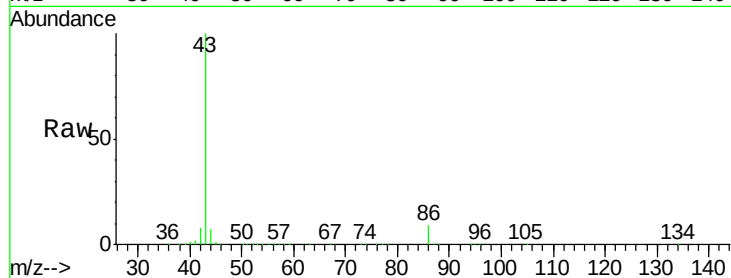
VF0222SBSD01

Tot Ion: 43 Resp: 449853

Ion Ratio Lower Upper

43 100

86 8.6 7.5 11.3



#24

1,1-Dichloroethane

Concen: 21.134 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.02 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

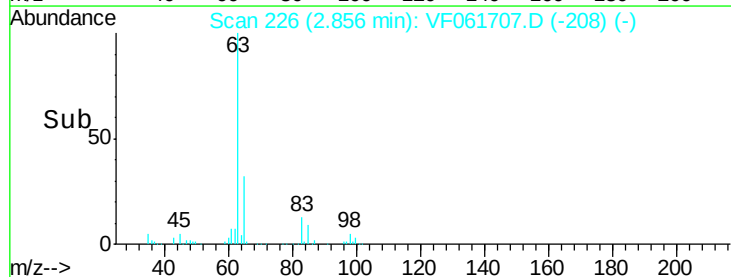
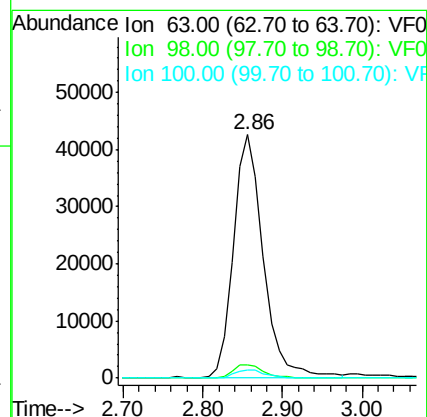
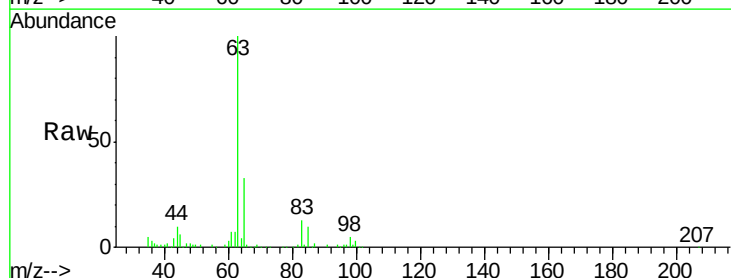
Tgt Ion: 63 Resp: 112450

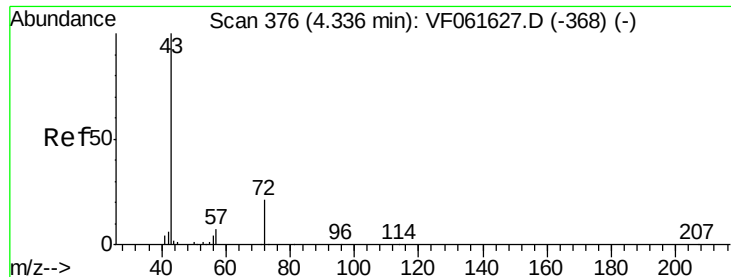
Ion Ratio Lower Upper

63 100

98 5.3 2.8 8.3

100 3.5 1.8 5.4





#25

2-Butanone

Concen: 100.641 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.02 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

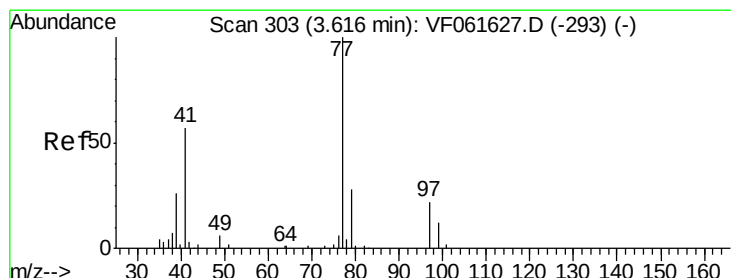
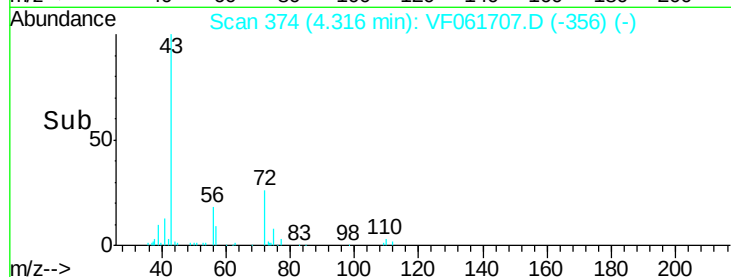
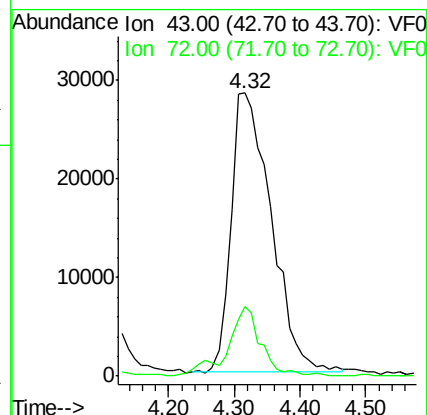
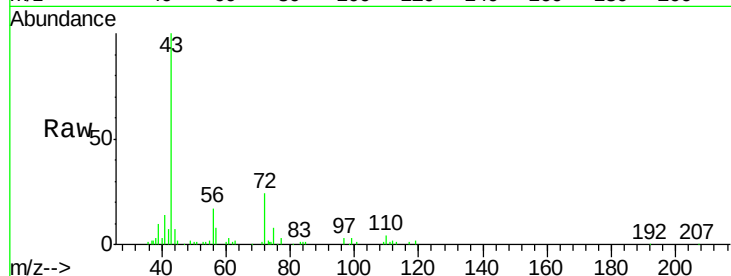
VF0222SBSD01

Tot Ion: 43 Resp: 120481

Ion Ratio Lower Upper

43 100

72 24.5 17.1 25.7



#26

2,2-Dichloropropane

Concen: 23.397 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.04 min

Lab File: VF061707.D

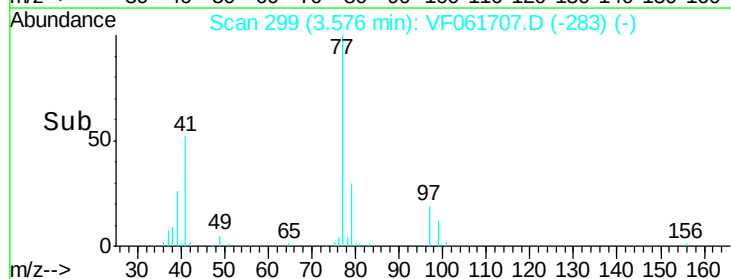
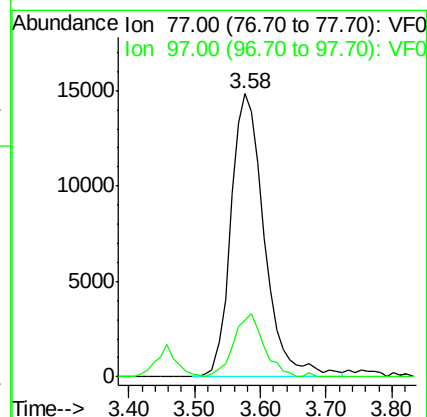
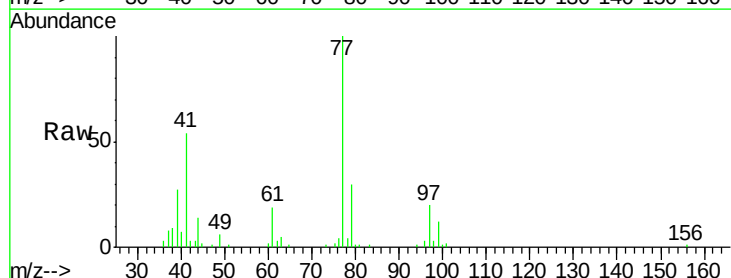
Acq: 22 Feb 2019 14:20

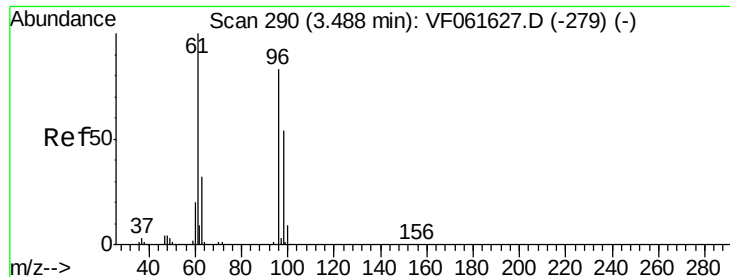
Tgt Ion: 77 Resp: 52731

Ion Ratio Lower Upper

77 100

97 19.9 11.7 35.0



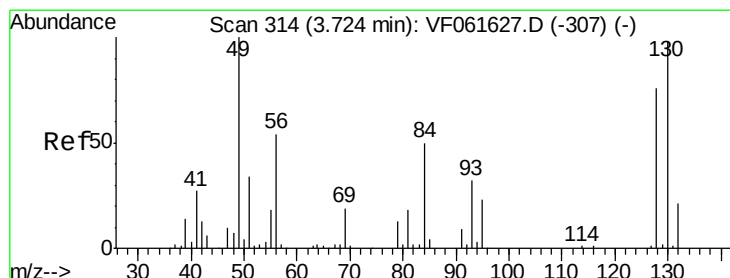
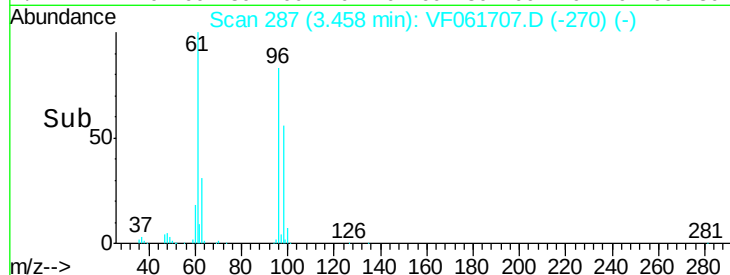
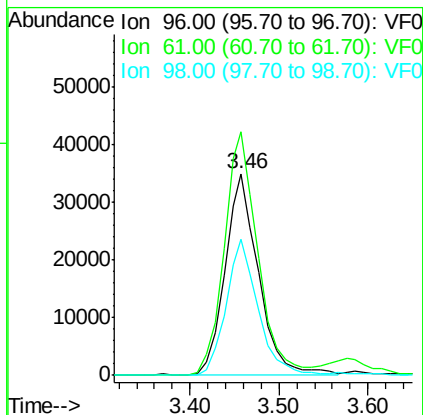
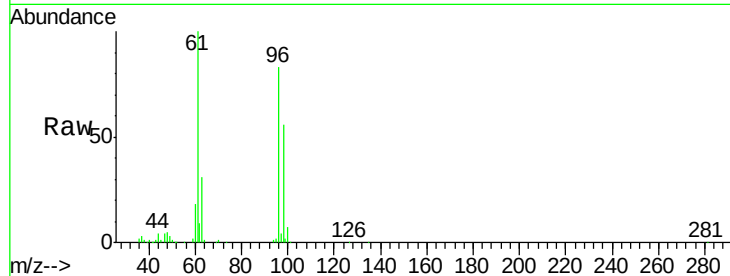


#27

cis-1,2-Dichloroethene
Concen: 21.576 ug/l
RT: 3.46 min Scan# 287
Delta R.T. -0.03 min
Lab File: VF061707.D
Acq: 22 Feb 2019 14:20

Instrument :
MSVOA_F
ClientSampleId :
VF0222SBS01

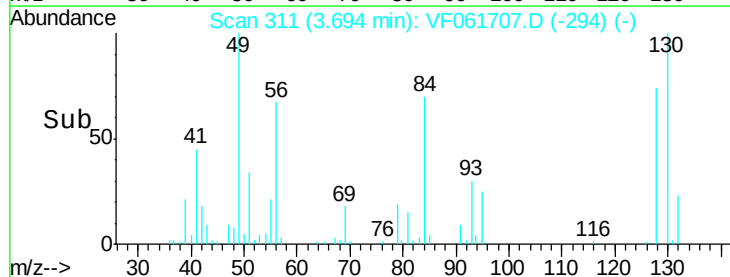
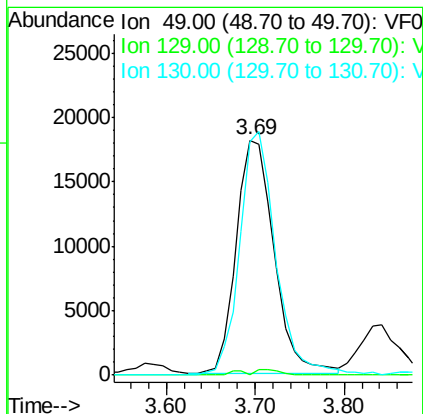
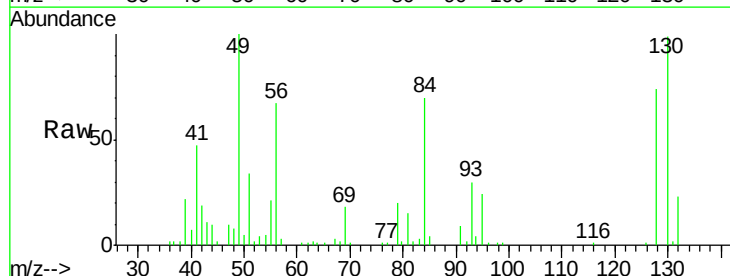
Tot Ion	Ratio	Lower	Upper
96	100		
61	120.7	0.0	241.6
98	67.4	0.0	130.2

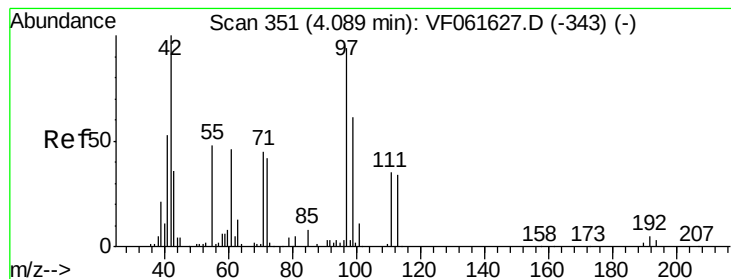


#28

Bromochloromethane
Concen: 21.048 ug/l
RT: 3.69 min Scan# 311
Delta R.T. -0.03 min
Lab File: VF061707.D
Acq: 22 Feb 2019 14:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	99.5	77.7	116.5





#29

Tetrahydrofuran

Concen: 114.016 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.03 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

VF0222SBS01

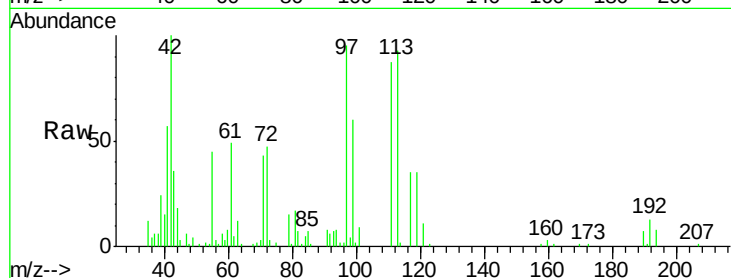
Tot Ion: 42 Resp: 62037

Ion Ratio Lower Upper

42 100

72 42.3 35.2 52.8

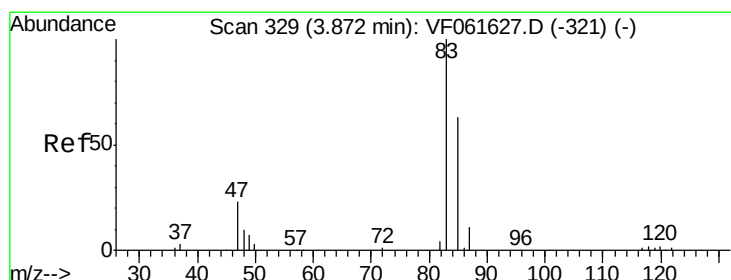
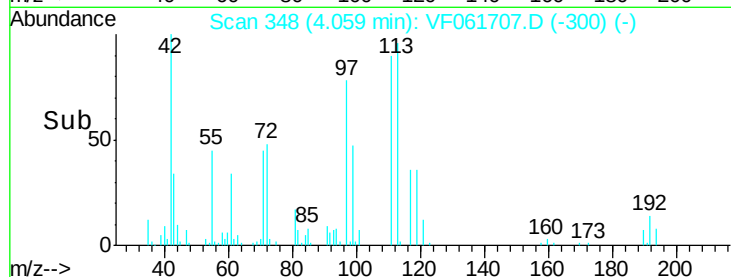
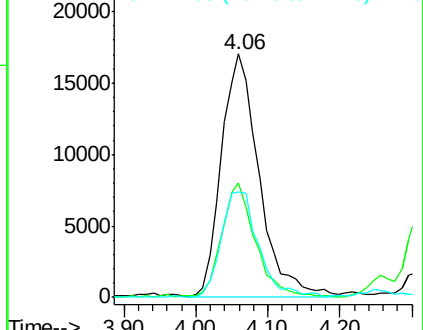
71 42.8 32.9 49.3



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 22.324 ug/l

RT: 3.84 min Scan# 326

Delta R.T. -0.03 min

Lab File: VF061707.D

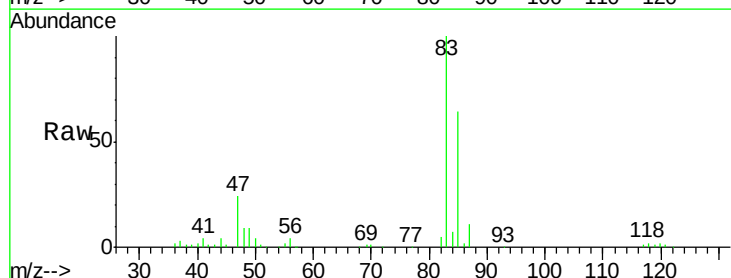
Acq: 22 Feb 2019 14:20

Tgt Ion: 83 Resp: 135080

Ion Ratio Lower Upper

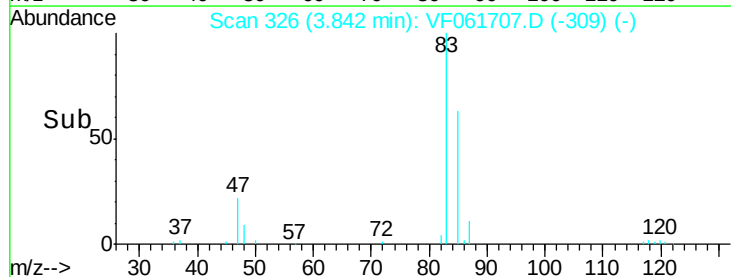
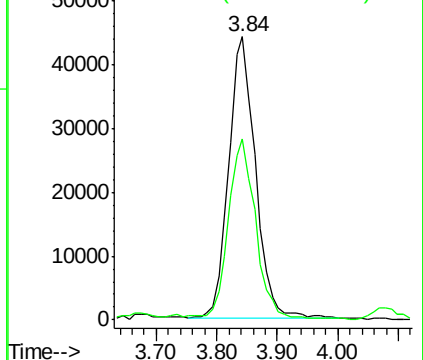
83 100

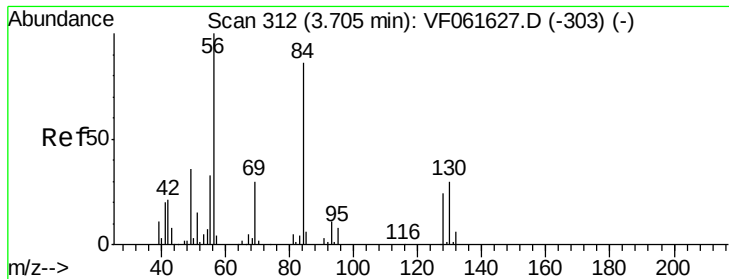
85 63.7 51.1 76.7



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

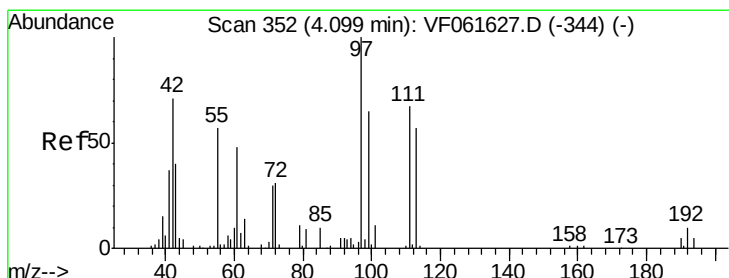
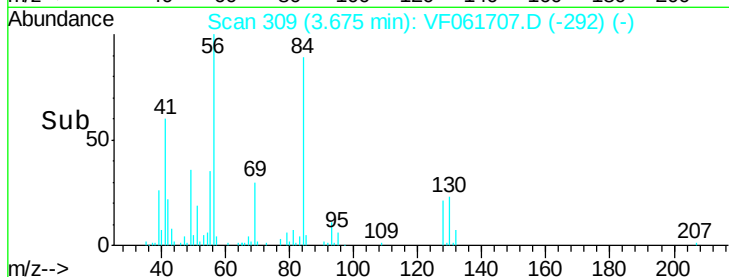
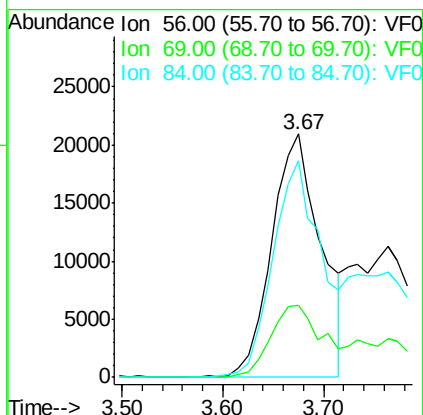
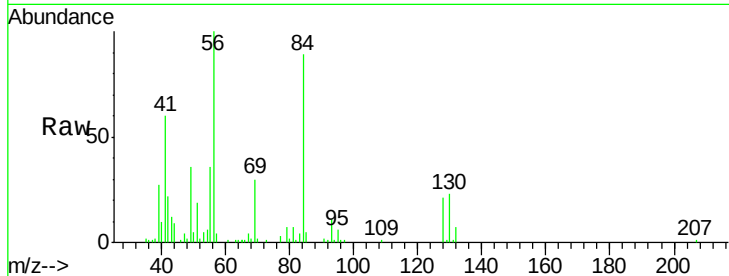




#31
Cyclohexane
Concen: 12.316 ug/l
RT: 3.67 min Scan# 309
Delta R.T. -0.03 min
Lab File: VF061707.D
Acq: 22 Feb 2019 14:20

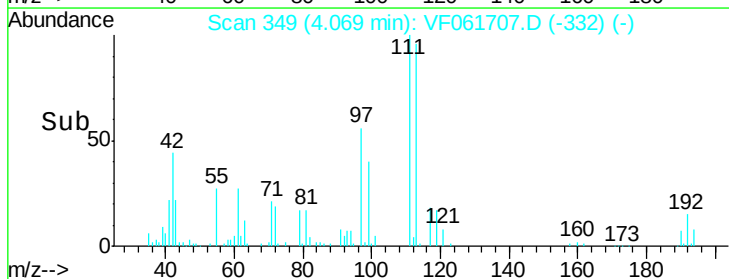
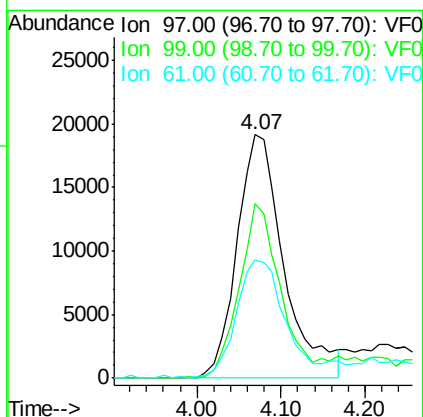
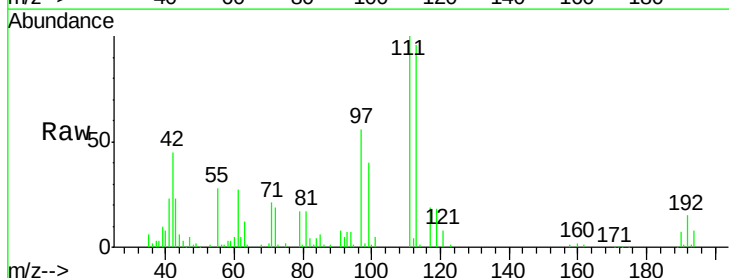
Instrument :
MSVOA_F
ClientSampleId :
VF0222SBS01

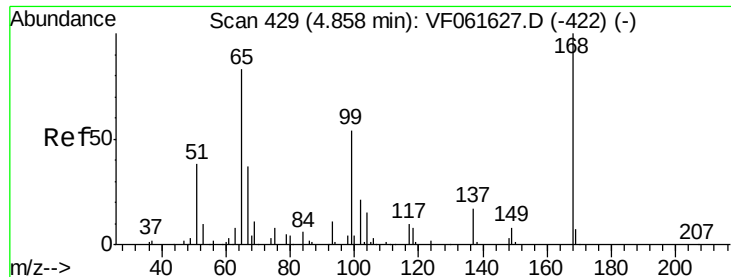
Tot Ion: 56 Resp: 70941
Ion Ratio Lower Upper
56 100
69 29.8 23.8 35.8
84 88.8 68.6 103.0



#32
1,1,1-Trichloroethane
Concen: 18.857 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.03 min
Lab File: VF061707.D
Acq: 22 Feb 2019 14:20

Tgt Ion: 97 Resp: 74742
Ion Ratio Lower Upper
97 100
99 71.6 52.2 78.2
61 48.8 39.2 58.8

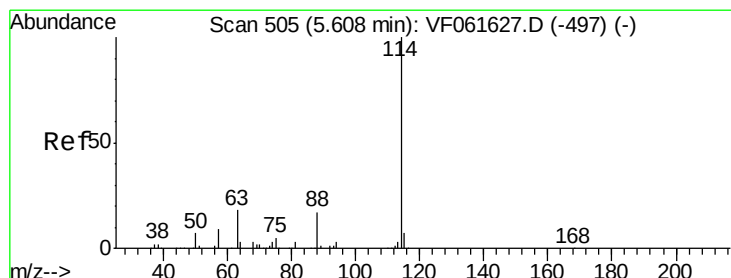
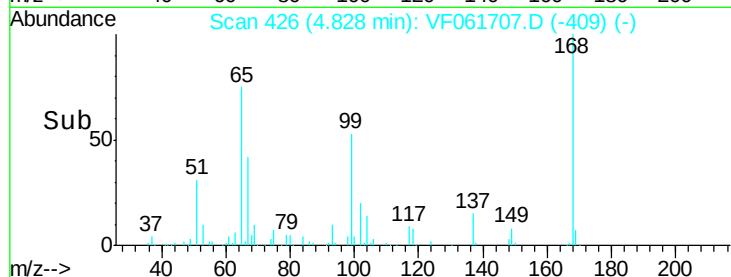
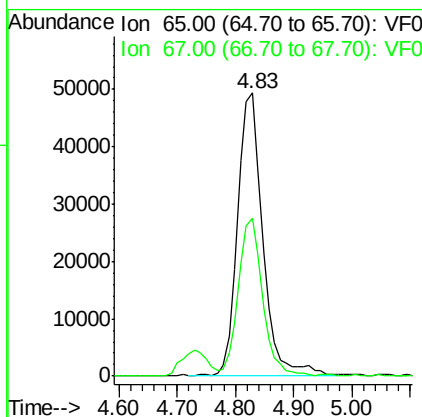
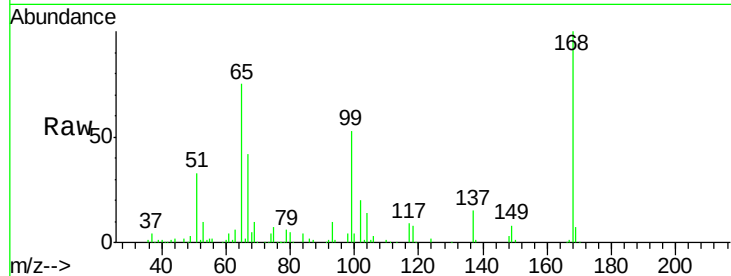




#33
 1,2-Dichloroethane-d4
 Concen: 58.268 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.03 min
 Lab File: VF061707.D
 Acq: 22 Feb 2019 14:20

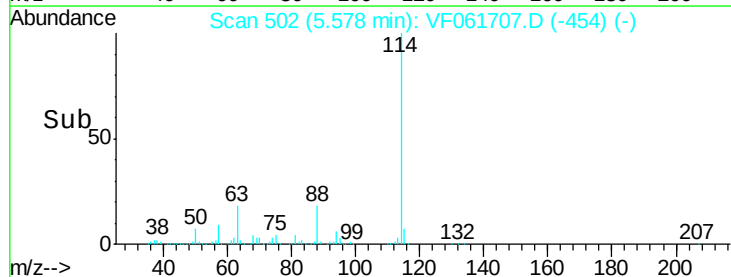
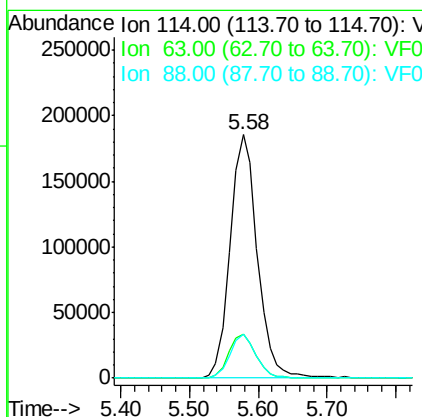
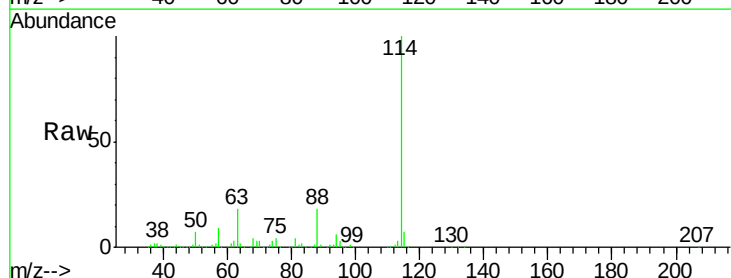
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0222SBSD01

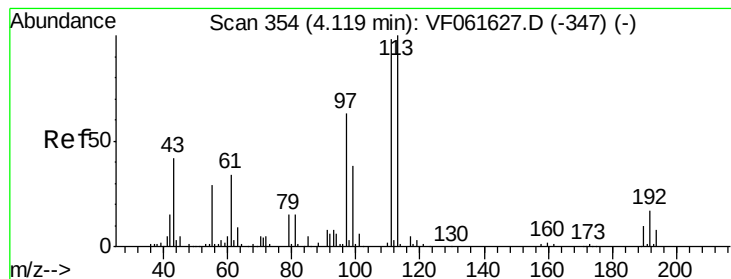
Tot Ion: 65 Resp: 148840
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.03 min
 Lab File: VF061707.D
 Acq: 22 Feb 2019 14:20

Tgt Ion: 114 Resp: 508048
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 36.6
 88 17.9 0.0 34.4





#35

Dibromofluoromethane

Concen: 55.866 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.03 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

VF0222SBSD01

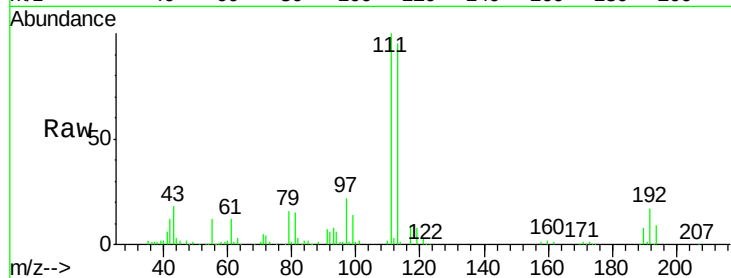
Tot Ion:113 Resp: 210772

Ion Ratio Lower Upper

113 100

111 105.3 78.8 118.2

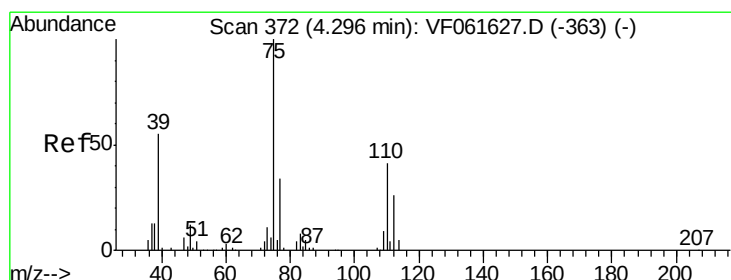
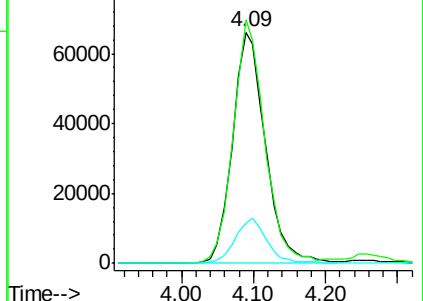
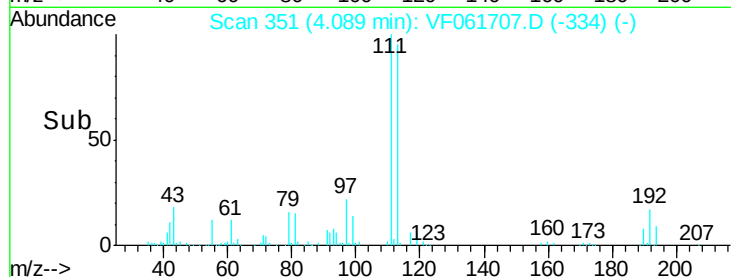
192 17.4 13.4 20.0



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 21.604 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.04 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

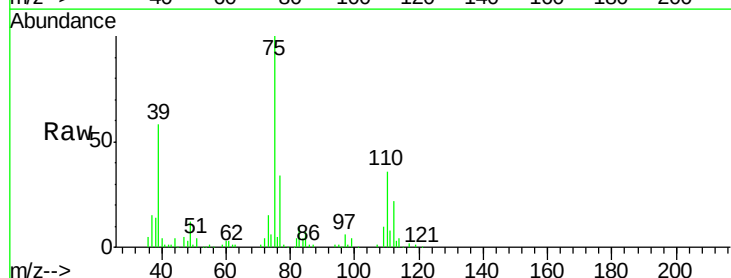
Tgt Ion: 75 Resp: 108730

Ion Ratio Lower Upper

75 100

110 36.0 20.5 61.6

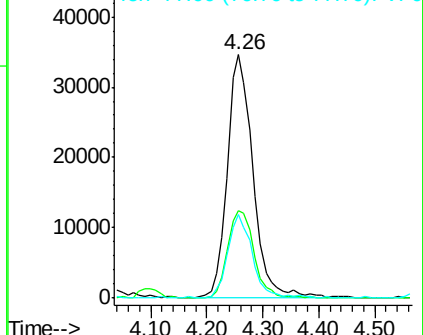
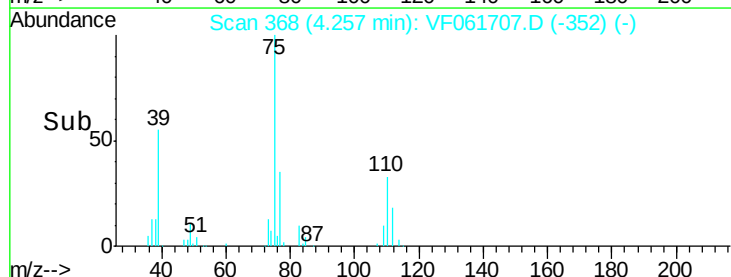
77 34.3 27.0 40.4

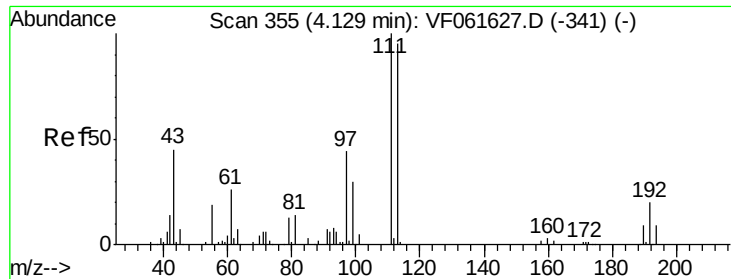


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

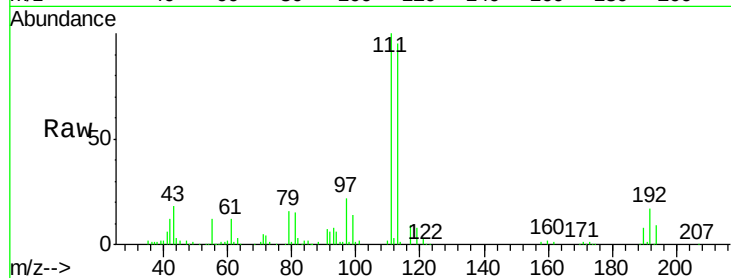




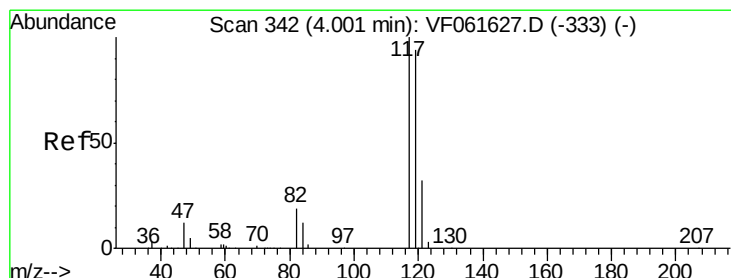
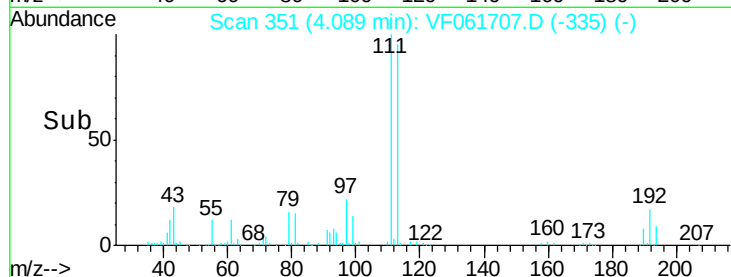
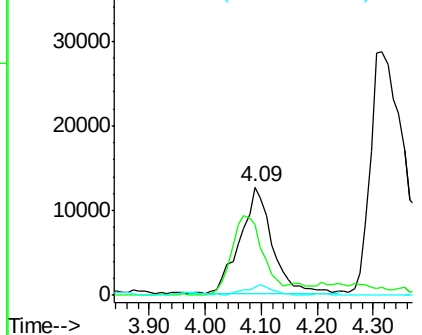
#37
Ethyl Acetate
Concen: 21.906 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.04 min
Lab File: VF061707.D
Acq: 22 Feb 2019 14:20

Instrument :
MSVOA_F
ClientSampleId :
VF0222SBSD01

Tot Ion: 43 Resp: 51208
Ion Ratio Lower Upper
43 100
61 65.8 45.7 68.5
70 7.5 8.5 12.7#

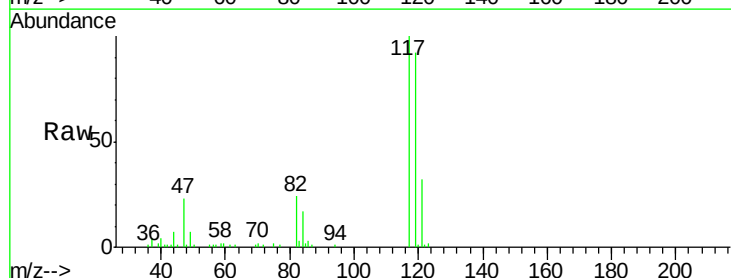


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

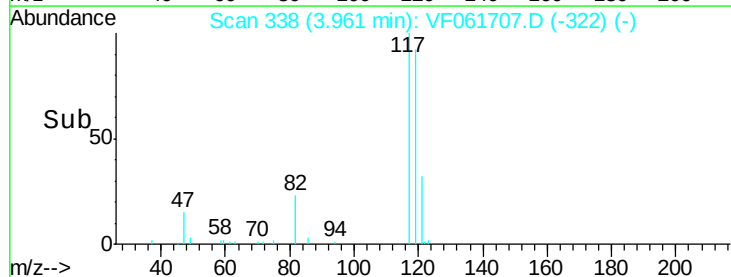
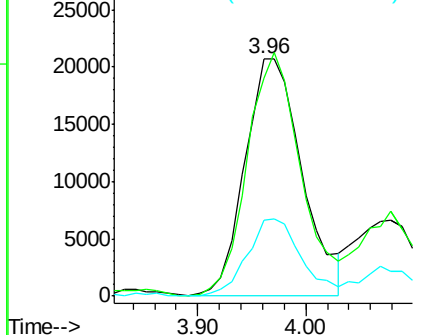


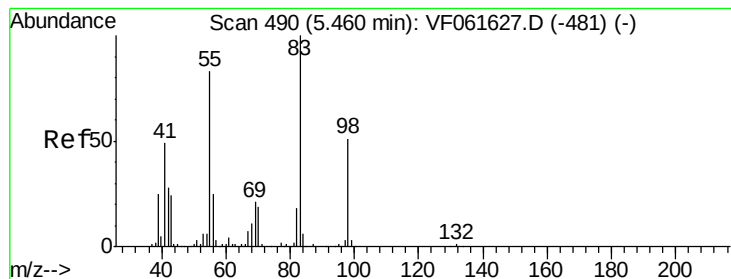
#38
Carbon Tetrachloride
Concen: 22.064 ug/l
RT: 3.96 min Scan# 338
Delta R.T. -0.04 min
Lab File: VF061707.D
Acq: 22 Feb 2019 14:20

Tgt Ion: 117 Resp: 76678
Ion Ratio Lower Upper
117 100
119 91.7 75.6 113.4
121 31.9 25.2 37.8



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





#39

Methylvlcyclohexane

Concen: 22.290 ug/l

RT: 5.44 min Scan# 488

Delta R.T. -0.02 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

VF0222SBS01

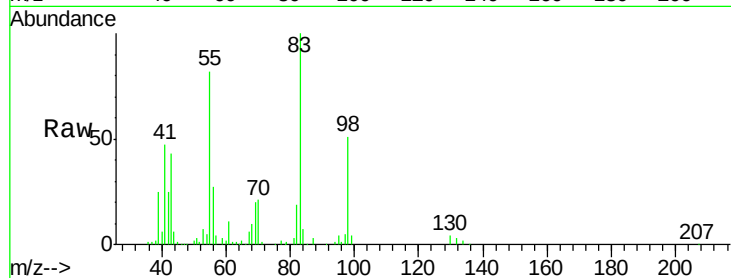
Tot Ion: 83 Resp: 132675

Ion Ratio Lower Upper

83 100

55 82.3 66.6 99.8

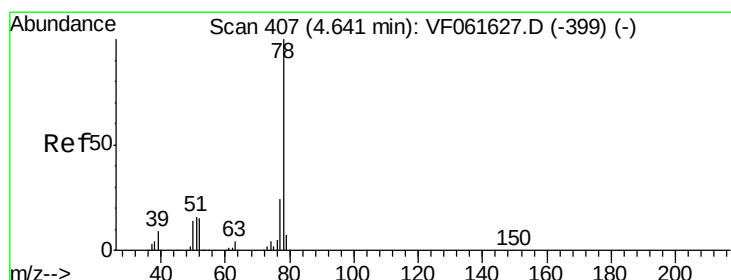
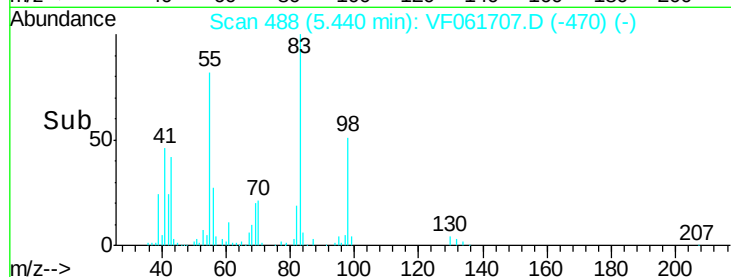
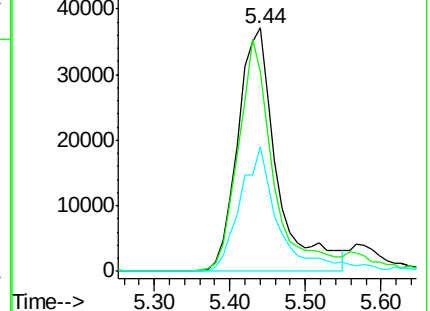
98 51.3 40.4 60.6



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: 22.437 ug/l

RT: 4.61 min Scan# 404

Delta R.T. -0.03 min

Lab File: VF061707.D

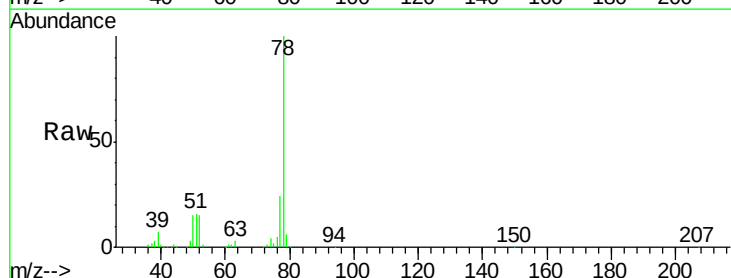
Acq: 22 Feb 2019 14:20

Tgt Ion: 78 Resp: 295367

Ion Ratio Lower Upper

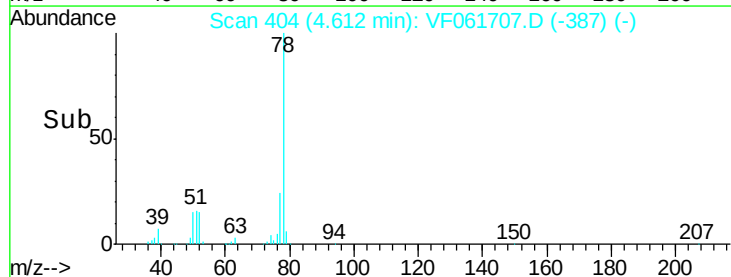
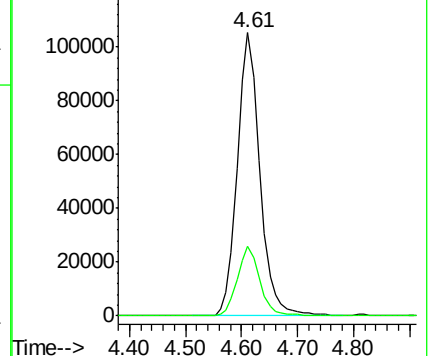
78 100

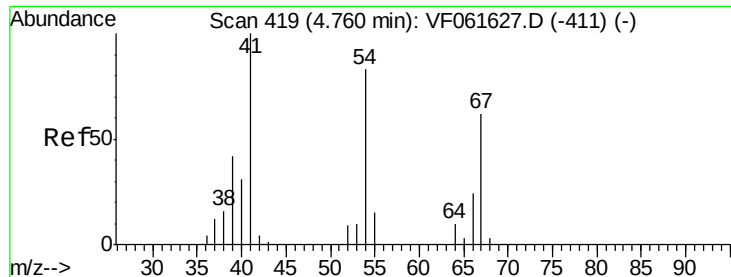
77 24.5 19.0 28.6



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 21.094 ug/l

RT: 4.73 min Scan# 416

Delta R.T. -0.03 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

VF0222SBSD01

Tot Ion: 41 Resp: 25217

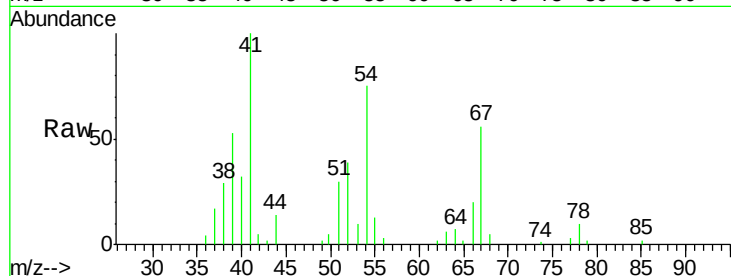
Ion Ratio Lower Upper

41 100

39 52.7 45.3 67.9

67 56.1 49.3 73.9

52 39.0 32.6 49.0

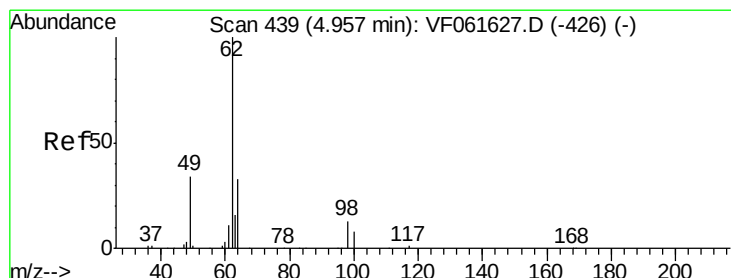
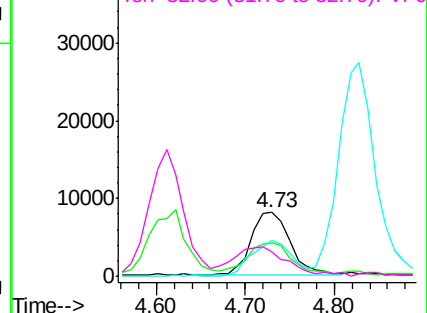
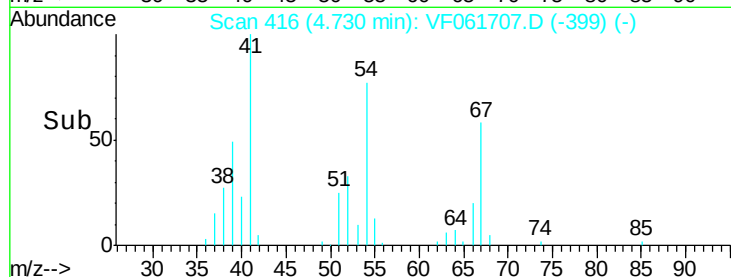


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 22.952 ug/l

RT: 4.92 min Scan# 435

Delta R.T. -0.04 min

Lab File: VF061707.D

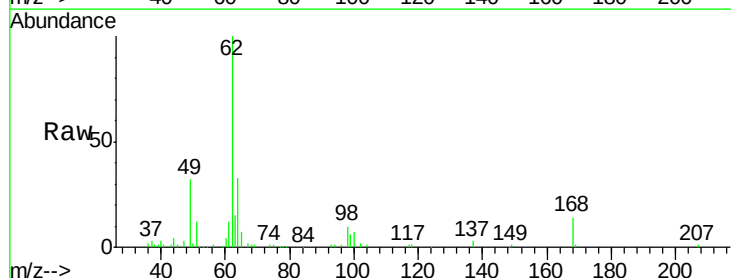
Acq: 22 Feb 2019 14:20

Tgt Ion: 62 Resp: 72274

Ion Ratio Lower Upper

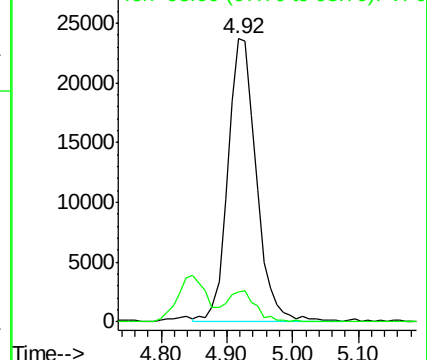
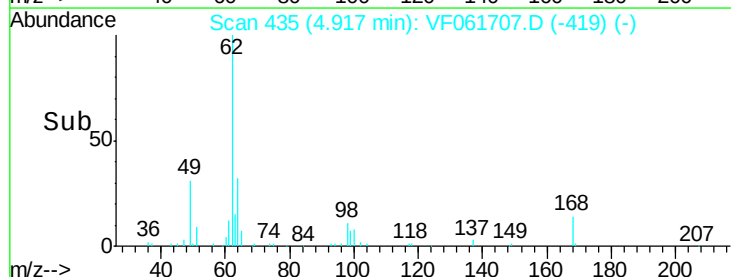
62 100

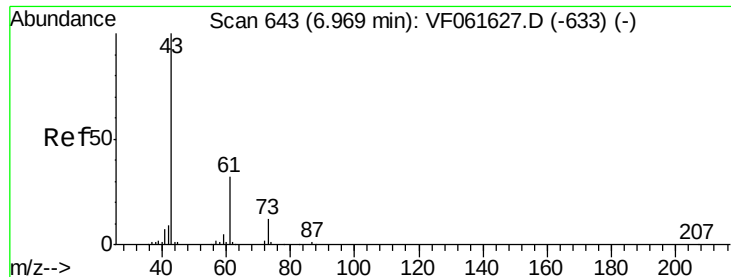
98 10.5 0.0 26.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 20.657 ug/l

RT: 6.94 min Scan# 640

Delta R.T. -0.03 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

VF0222SBS01

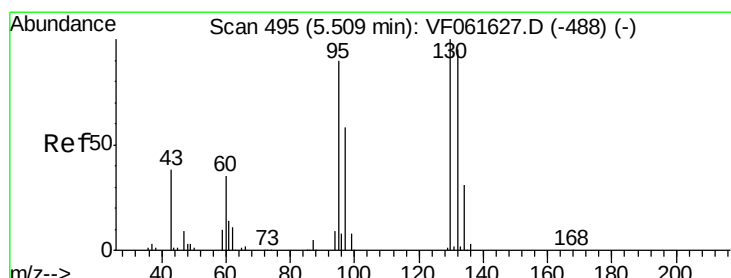
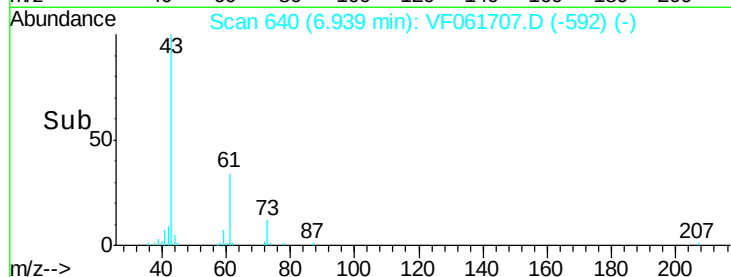
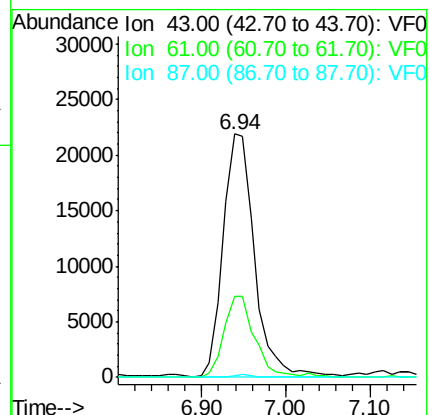
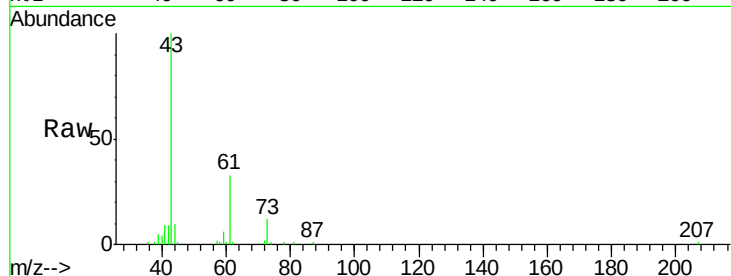
Tot Ion: 43 Resp: 57159

Ion Ratio Lower Upper

43 100

61 33.5 25.8 38.6

87 0.5 0.4 0.6



#44

Trichloroethene

Concen: 22.515 ug/l

RT: 5.48 min Scan# 492

Delta R.T. -0.03 min

Lab File: VF061707.D

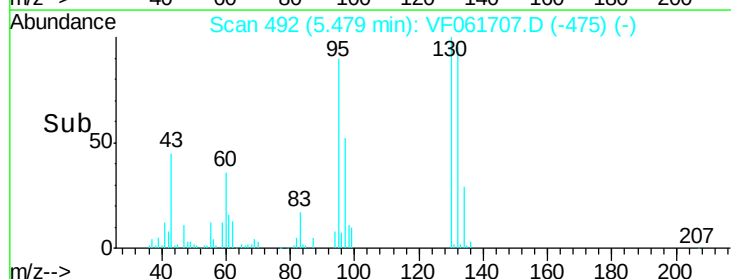
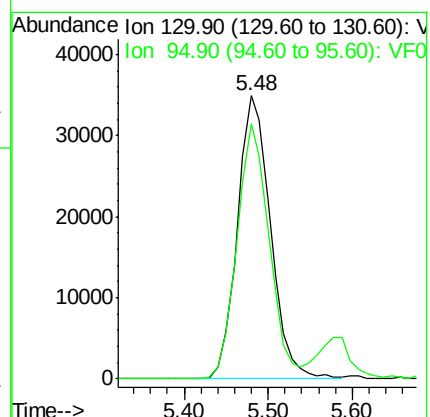
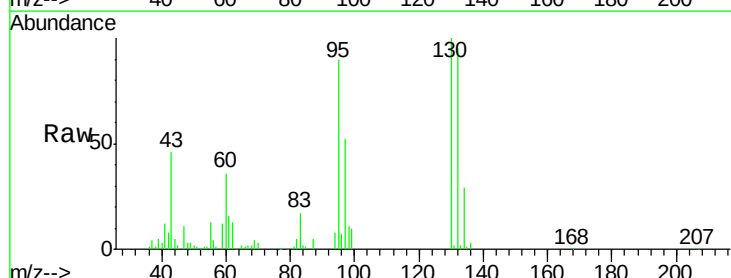
Acq: 22 Feb 2019 14:20

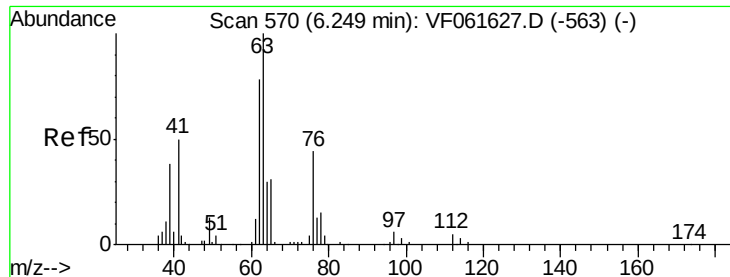
Tgt Ion: 130 Resp: 95846

Ion Ratio Lower Upper

130 100

95 90.3 0.0 179.4





#45

1,2-Dichloropropane

Concen: 21.479 ug/l

RT: 6.22 min Scan# 567

Delta R.T. -0.03 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

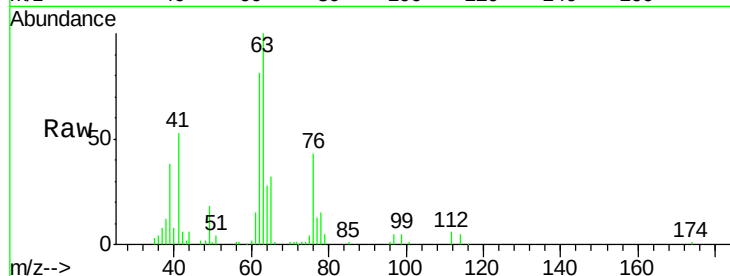
VF0222SBSD01

Tot Ion: 63 Resp: 68346

Ion Ratio Lower Upper

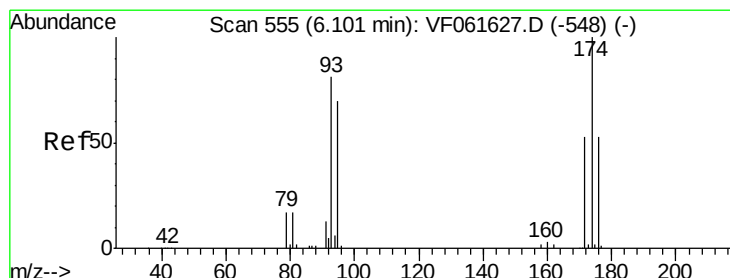
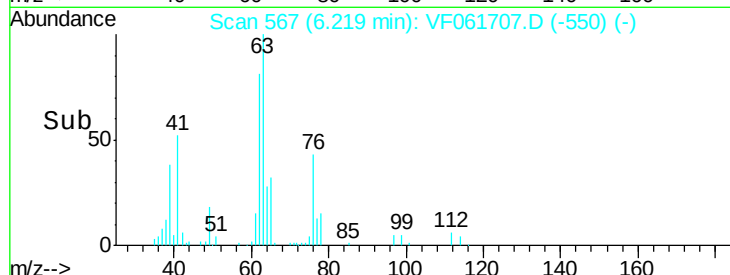
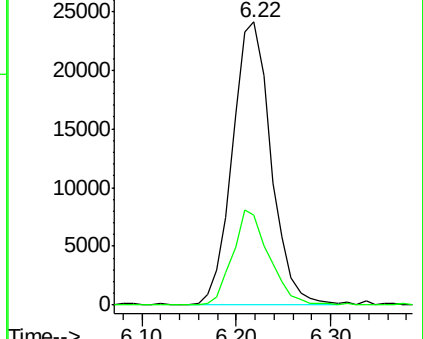
63 100

65 31.6 24.9 37.3



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 19.928 ug/l

RT: 6.06 min Scan# 551

Delta R.T. -0.04 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

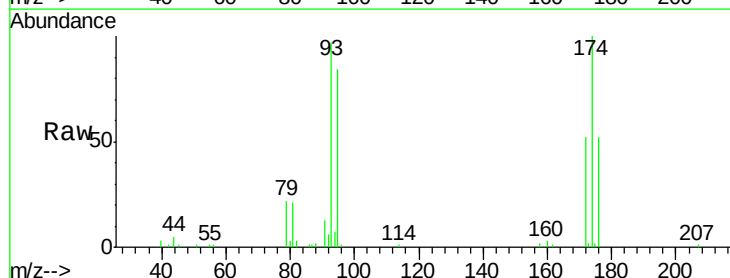
Tgt Ion: 93 Resp: 39043

Ion Ratio Lower Upper

93 100

95 86.7 69.0 103.6

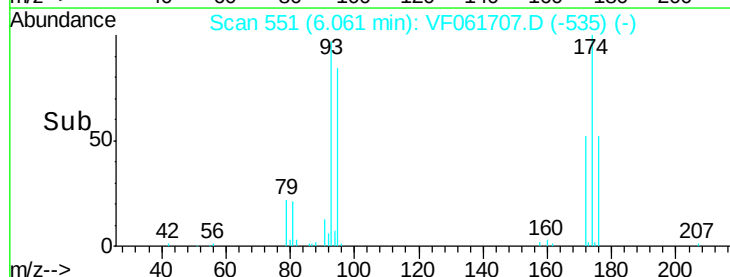
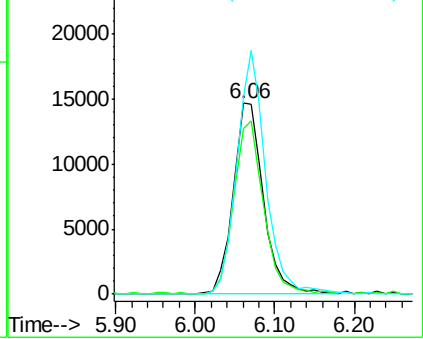
174 103.3 99.3 148.9

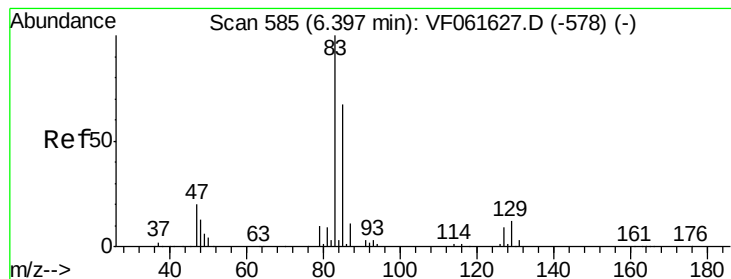


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 21.000 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.03 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

VF0222SBS01

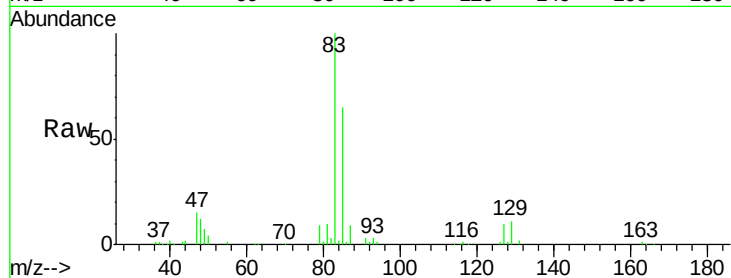
Tot Ion: 83 Resp: 90098

Ion Ratio Lower Upper

83 100

85 65.4 53.4 80.2

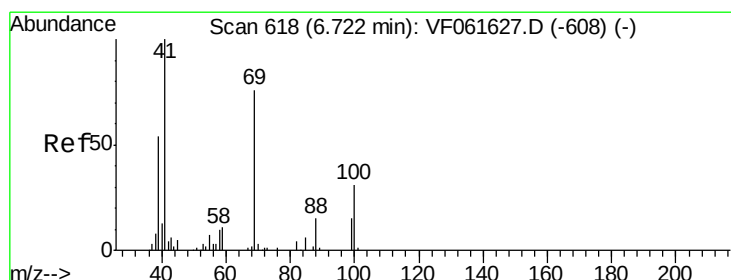
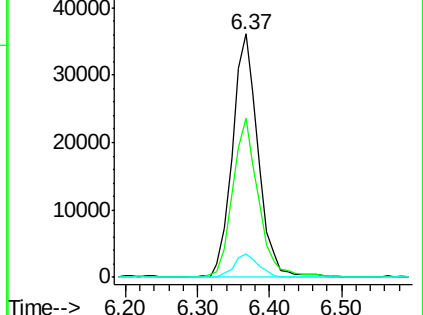
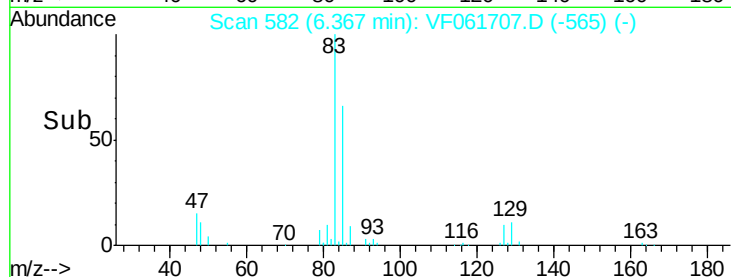
127 9.9 7.5 11.3



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: 19.026 ug/l

RT: 6.70 min Scan# 616

Delta R.T. -0.02 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

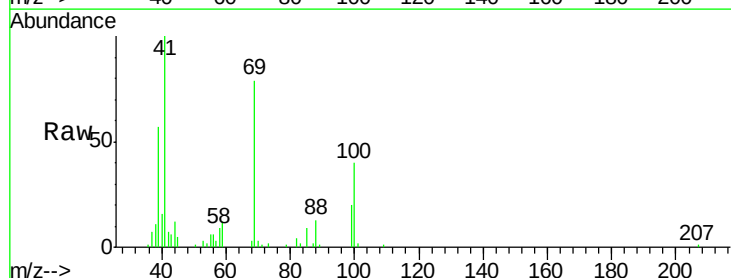
Tgt Ion: 41 Resp: 31682

Ion Ratio Lower Upper

41 100

69 78.7 60.4 90.6

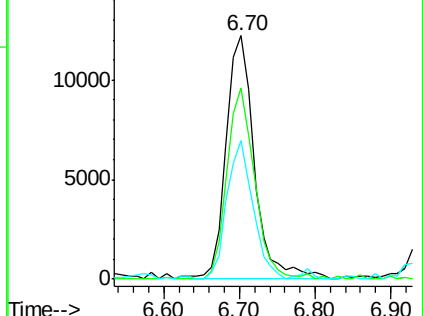
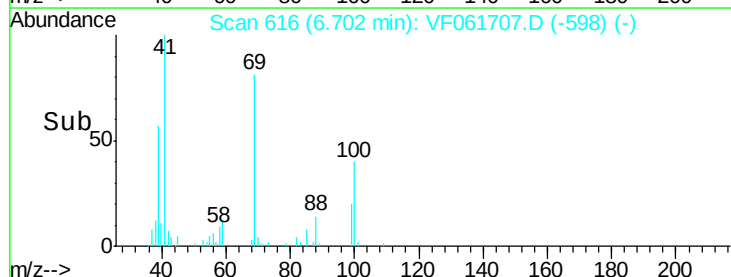
39 56.9 43.7 65.5

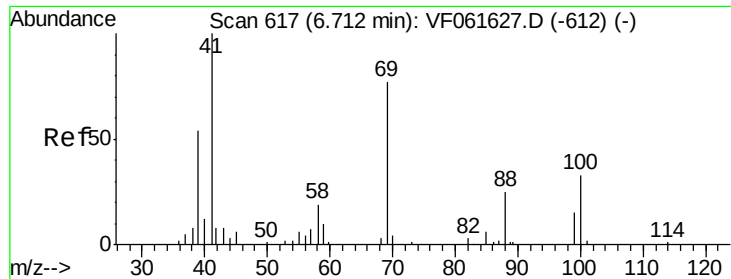


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 347.976 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.02 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

VF0222SBS01

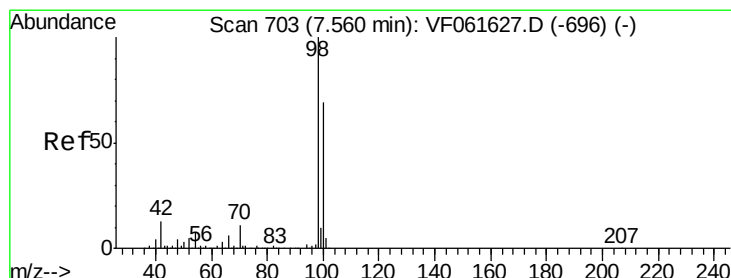
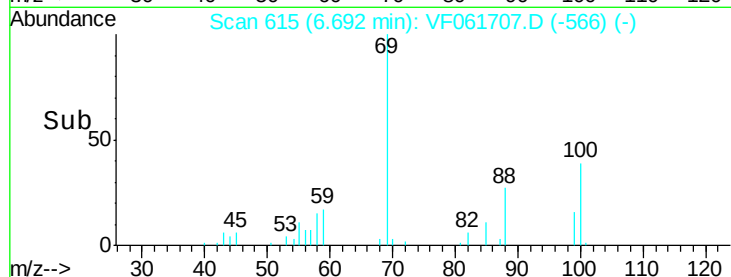
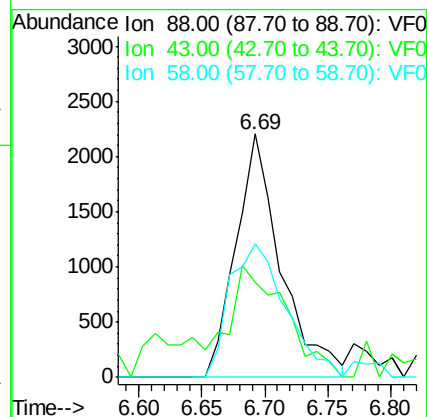
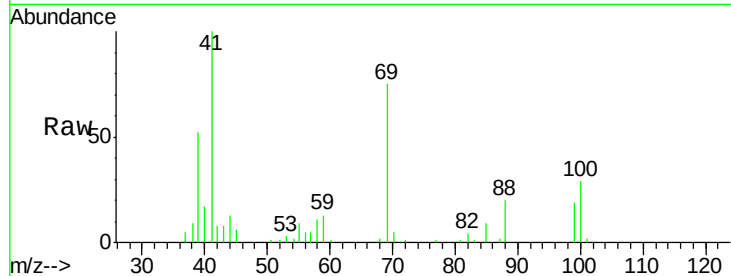
Tot Ion: 88 Resp: 5447

Ion Ratio Lower Upper

88 100

43 39.1 32.3 48.5

58 54.9 59.4 89.2#



#50

Toluene-d8

Concen: 54.212 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.03 min

Lab File: VF061707.D

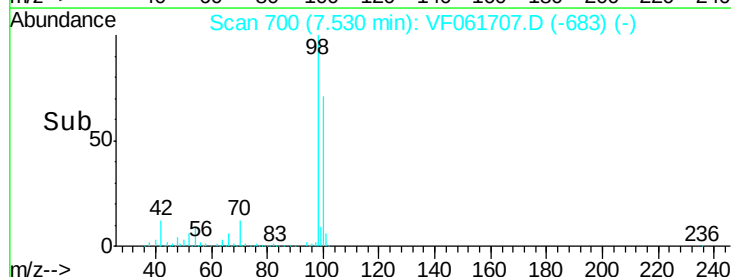
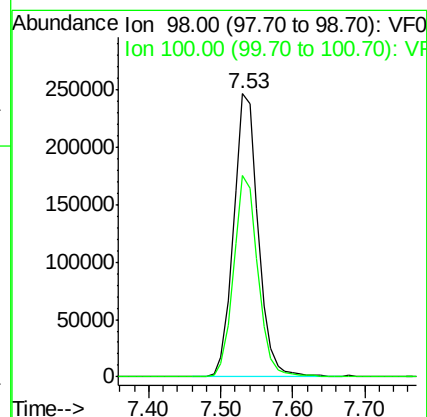
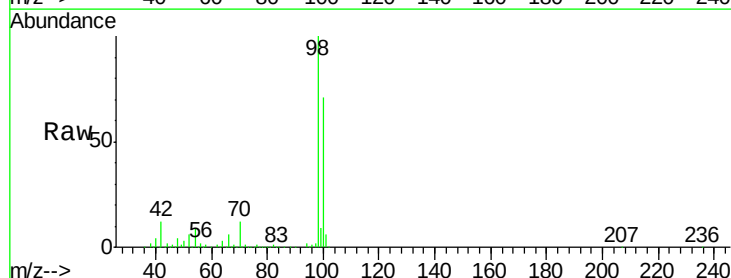
Acq: 22 Feb 2019 14:20

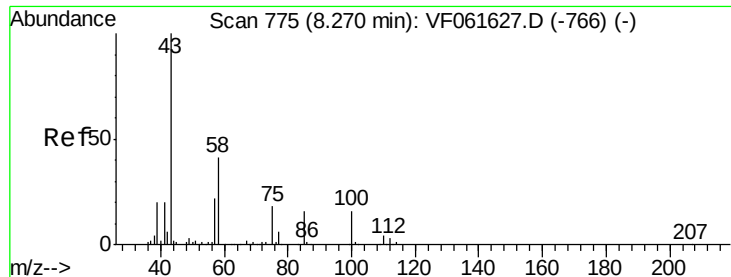
Tgt Ion: 98 Resp: 587968

Ion Ratio Lower Upper

98 100

100 71.1 55.4 83.2





#51

4-Methyl-2-Pentanone

Concen: 102.386 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.03 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

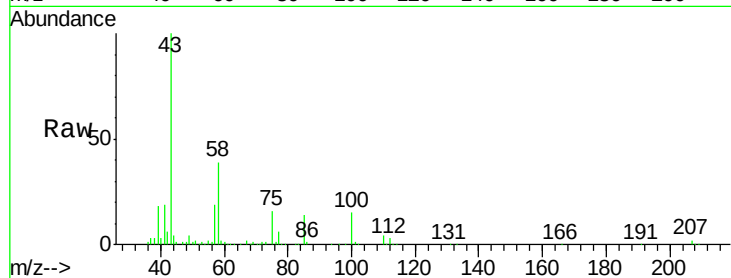
VF0222SBS01

Tot Ion: 43 Resp: 202430

Ion Ratio Lower Upper

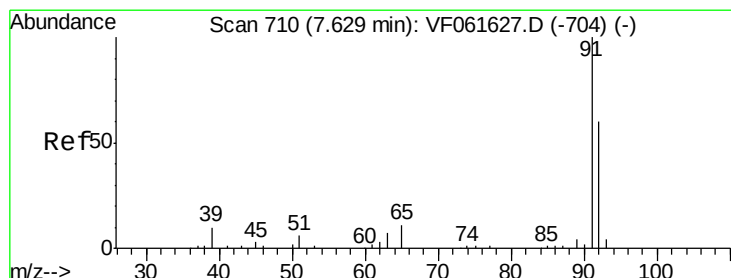
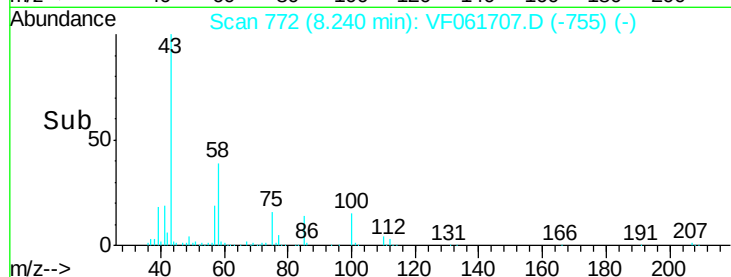
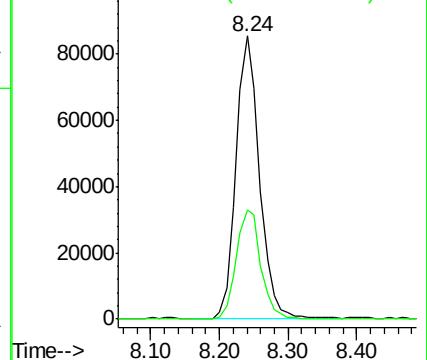
43 100

58 38.7 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: 21.087 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.02 min

Lab File: VF061707.D

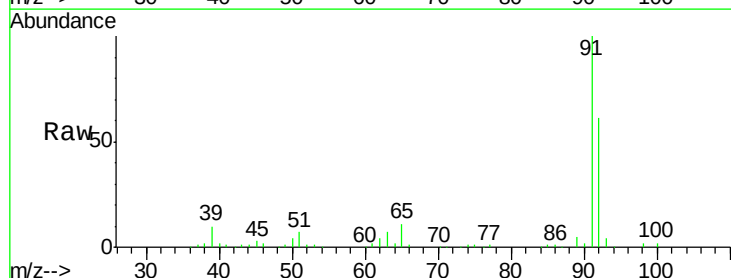
Acq: 22 Feb 2019 14:20

Tgt Ion: 92 Resp: 168356

Ion Ratio Lower Upper

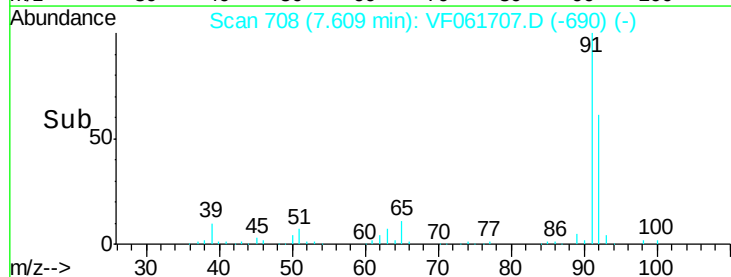
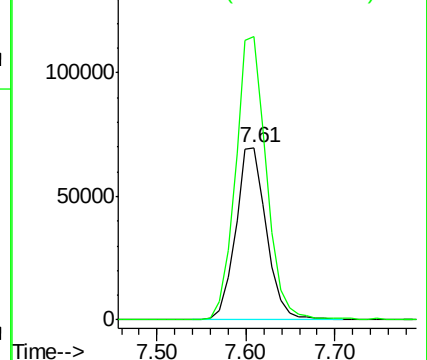
92 100

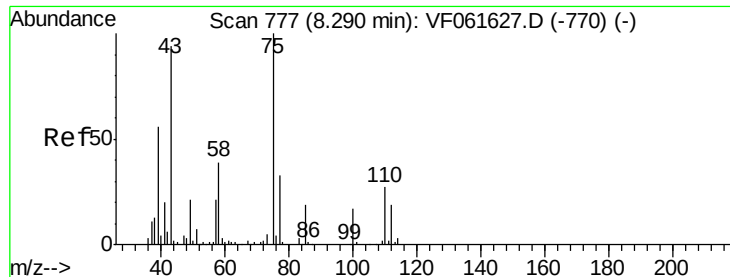
91 164.1 133.9 200.9



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: 21.664 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.03 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

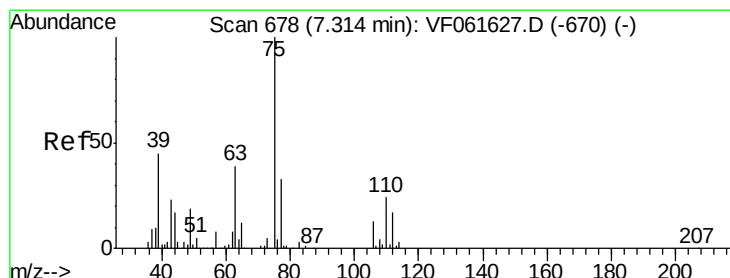
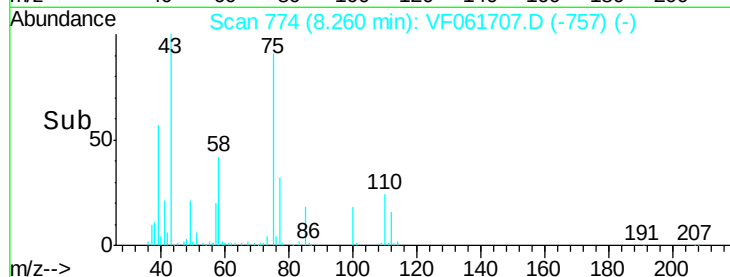
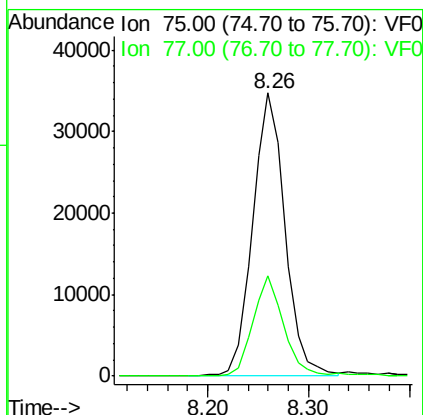
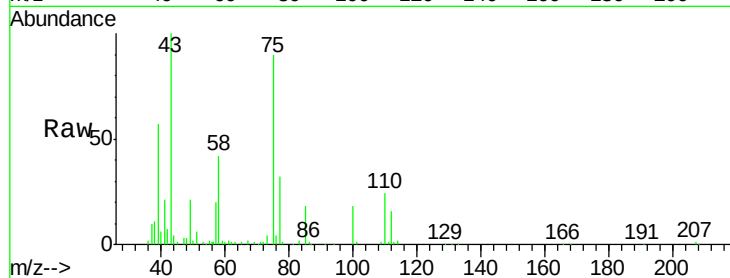
VF0222SBS01

Tot Ion: 75 Resp: 77355

Ion Ratio Lower Upper

75 100

77 35.6 26.2 39.2



#54

cis-1,3-Dichloropropene

Concen: 21.945 ug/l

RT: 7.28 min Scan# 675

Delta R.T. -0.03 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

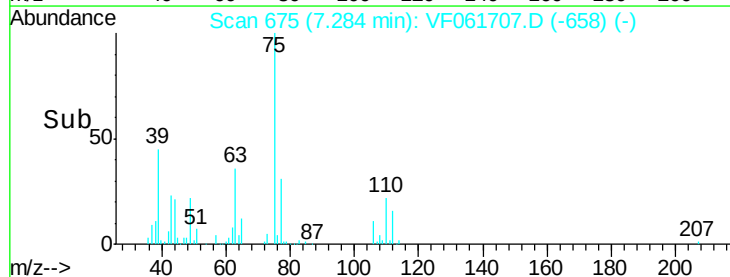
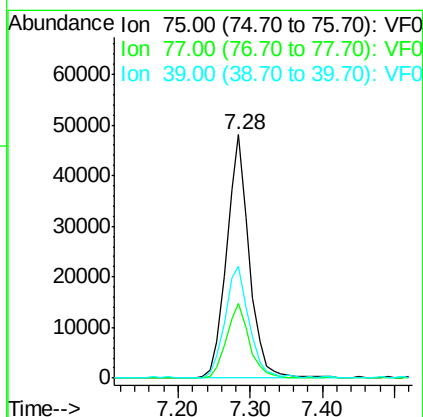
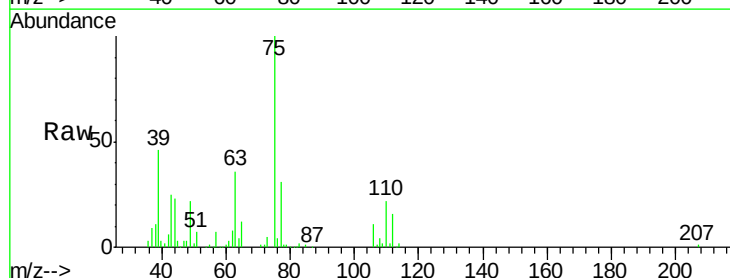
Tgt Ion: 75 Resp: 104374

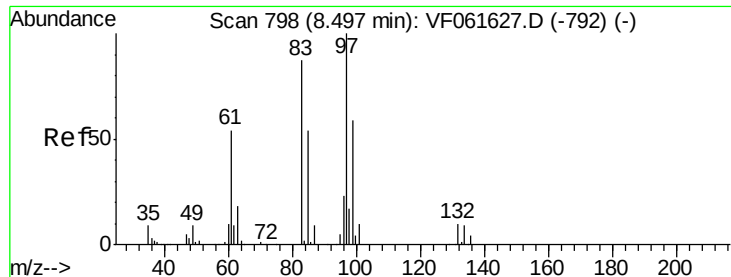
Ion Ratio Lower Upper

75 100

77 30.7 26.4 39.6

39 45.7 36.0 54.0





#55

1,1,2-Trichloroethane

Concen: 20.264 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.02 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

VF0222SBSD01

Tot Ion: 97 Resp: 47535

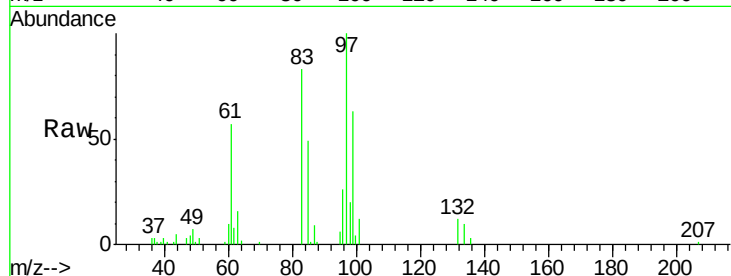
Ion Ratio Lower Upper

97 100

83 82.8 69.2 103.8

85 48.6 43.0 64.4

99 63.2 47.2 70.8

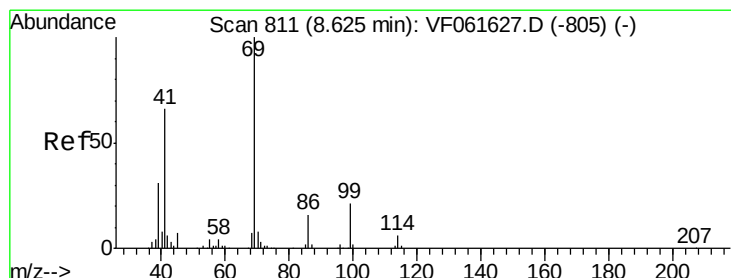
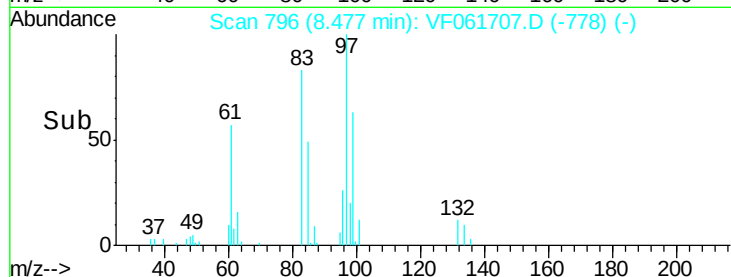
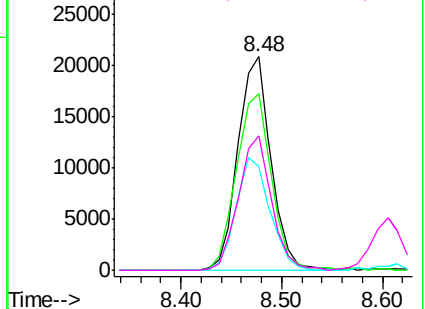


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 20.563 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.02 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

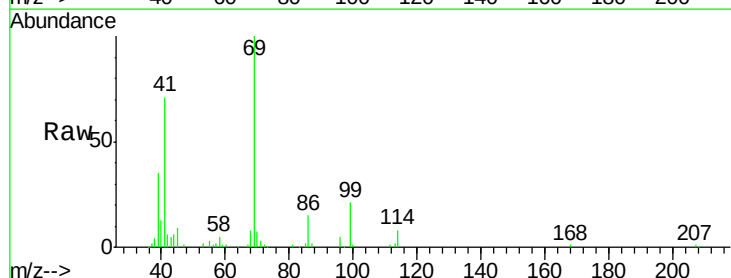
Tgt Ion: 69 Resp: 53702

Ion Ratio Lower Upper

69 100

41 70.5 52.9 79.3

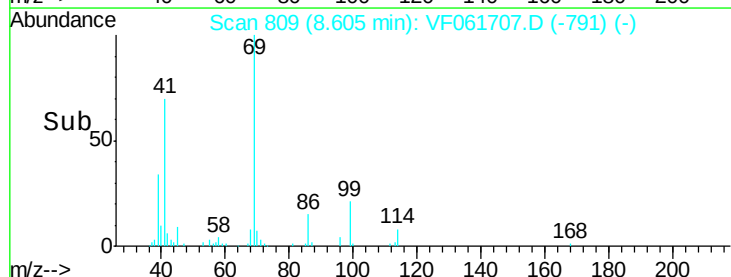
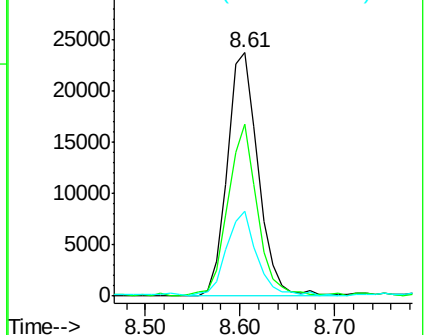
39 34.8 24.5 36.7

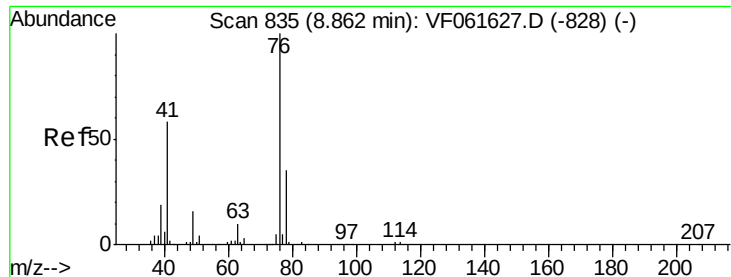


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 20.690 ug/l

RT: 8.83 min Scan# 832

Delta R.T. -0.03 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

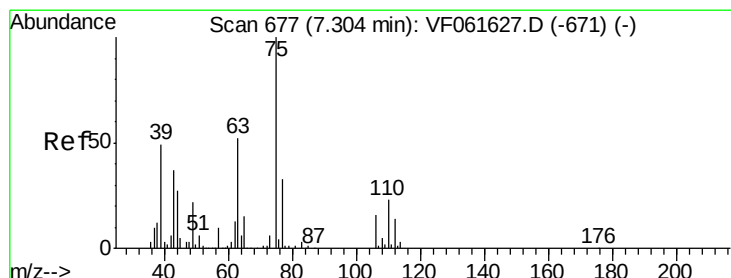
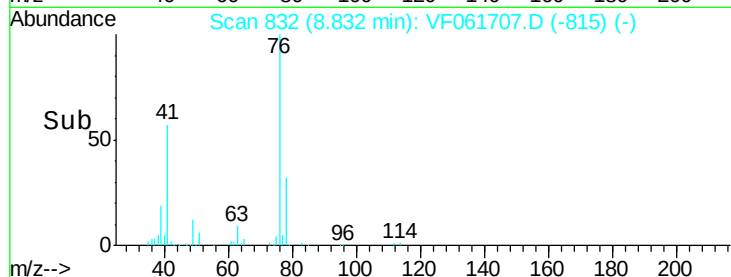
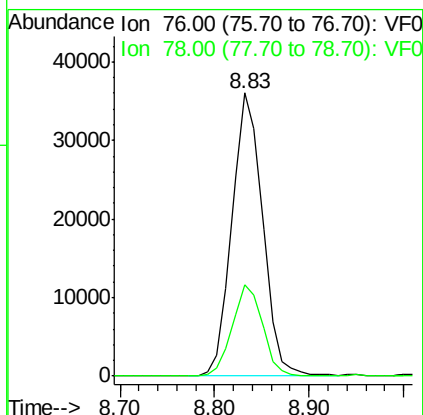
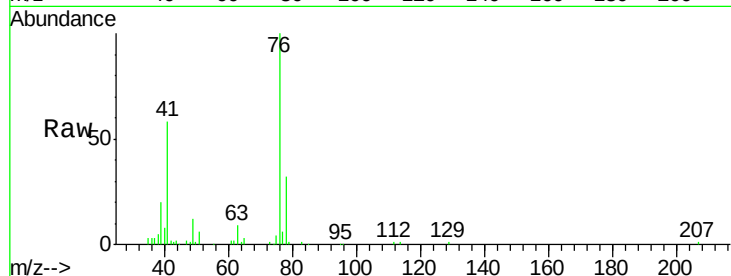
VF0222SBSD01

Tot Ion: 76 Resp: 81007

Ion Ratio Lower Upper

76 100

78 32.3 27.8 41.6



#58

2-Chloroethyl Vinyl ether

Concen: 95.929 ug/l

RT: 7.27 min Scan# 674

Delta R.T. -0.03 min

Lab File: VF061707.D

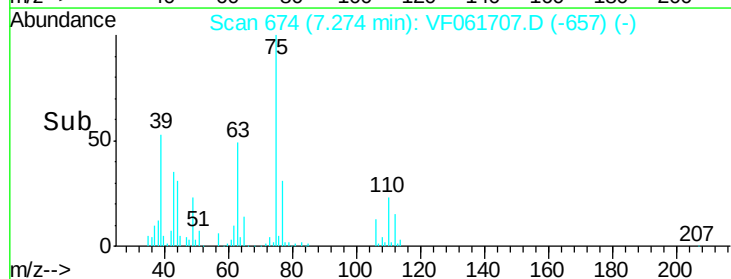
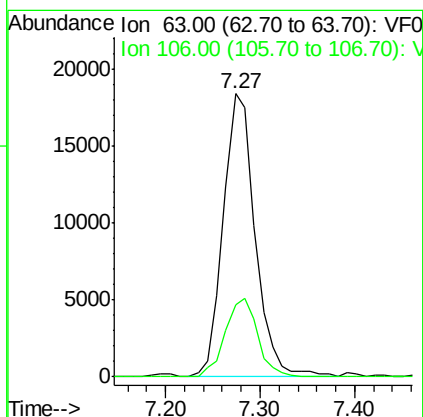
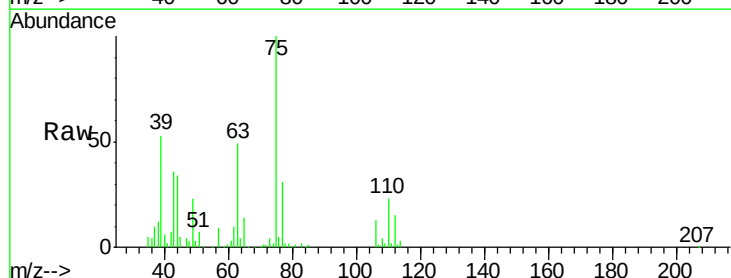
Acq: 22 Feb 2019 14:20

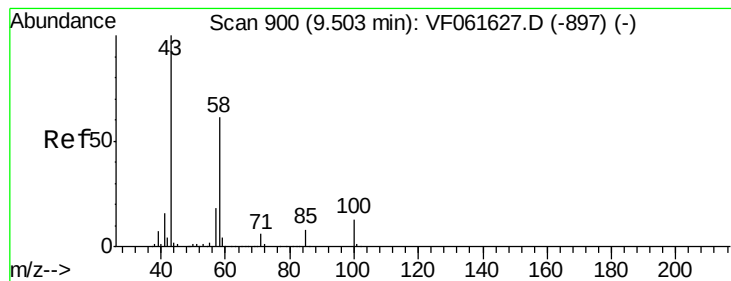
Tgt Ion: 63 Resp: 43226

Ion Ratio Lower Upper

63 100

106 25.5 24.6 36.8





#59

2-Hexanone

Concen: 104.849 ug/l

RT: 9.47 min Scan# 897

Delta R.T. -0.03 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

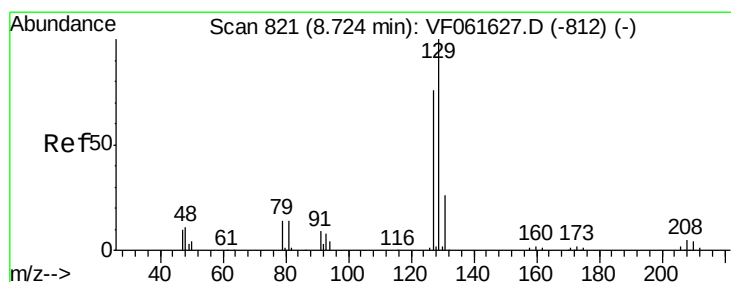
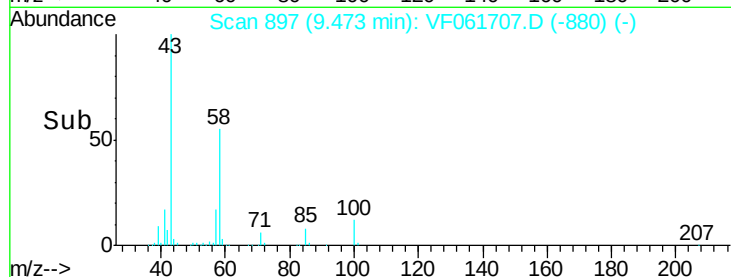
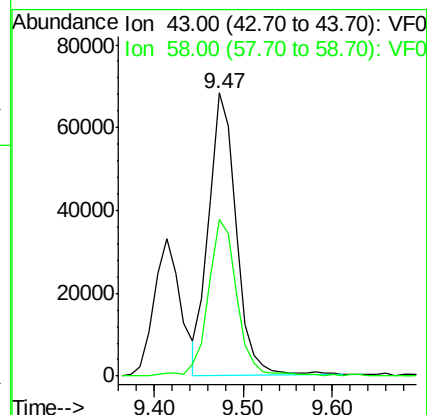
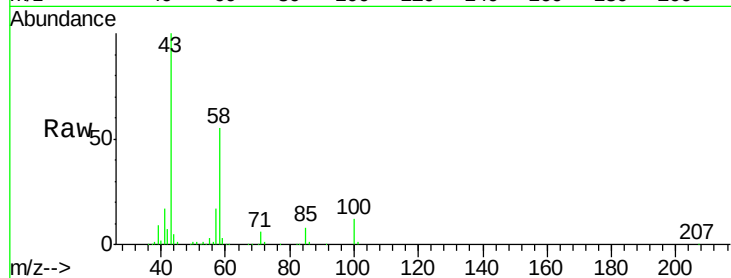
VF0222SBSD01

Tot Ion: 43 Resp: 145311

Ion Ratio Lower Upper

43 100

58 55.4 28.5 85.5



#60

Dibromochloromethane

Concen: 20.587 ug/l

RT: 8.69 min Scan# 818

Delta R.T. -0.03 min

Lab File: VF061707.D

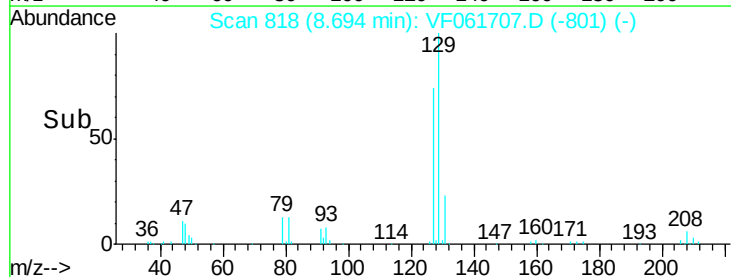
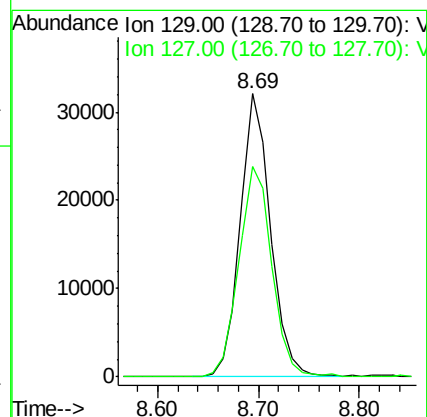
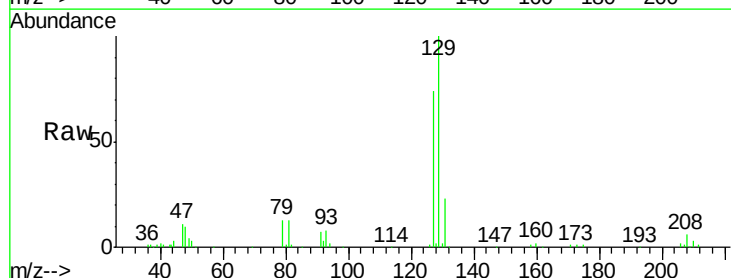
Acq: 22 Feb 2019 14:20

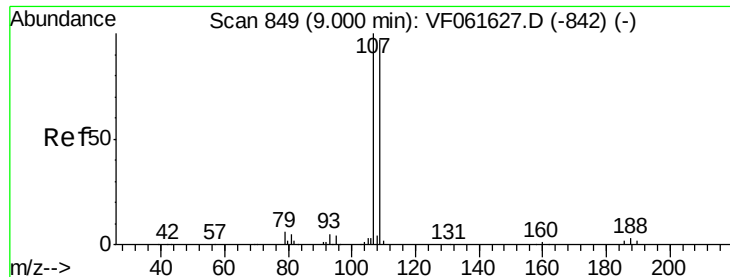
Tgt Ion: 129 Resp: 67217

Ion Ratio Lower Upper

129 100

127 74.2 37.8 113.4





#61

1,2-Dibromoethane

Concen: 20.293 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.03 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

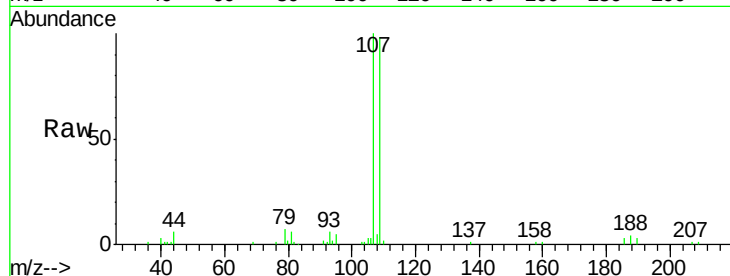
VF0222SBSD01

Tot Ion:107 Resp: 51632

Ion Ratio Lower Upper

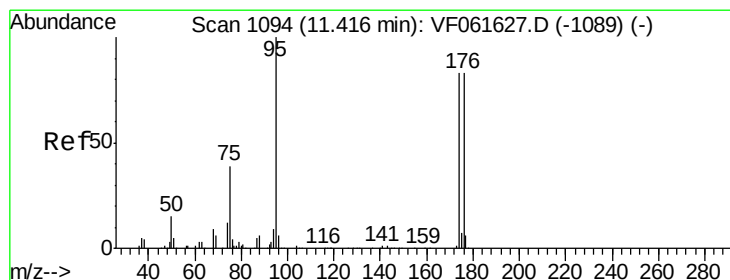
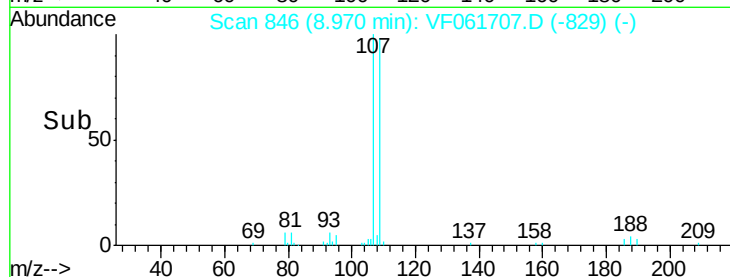
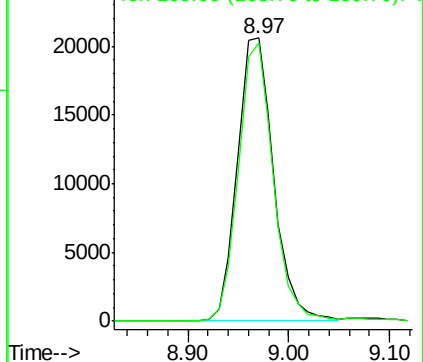
107 100

109 98.4 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: 53.101 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

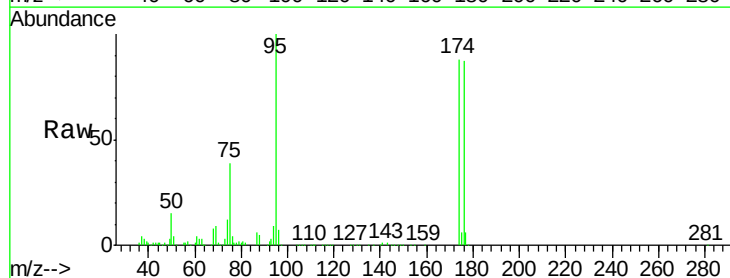
Tgt Ion: 95 Resp: 233027

Ion Ratio Lower Upper

95 100

174 88.3 0.0 165.8

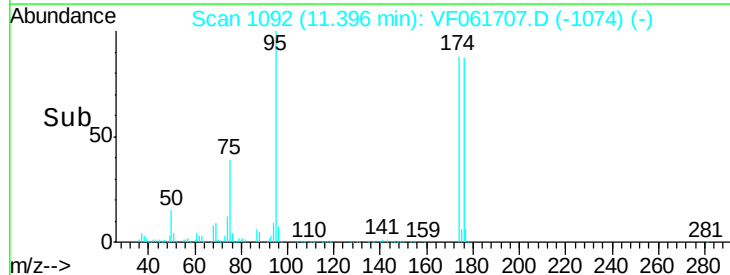
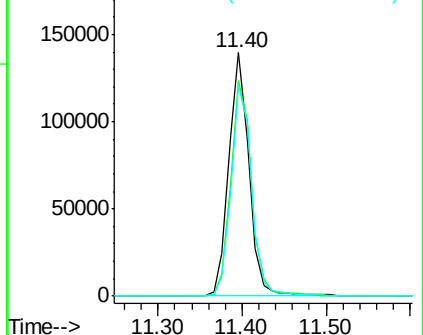
176 86.5 0.0 167.0

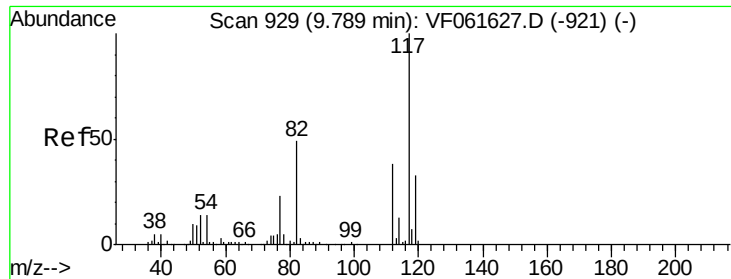


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

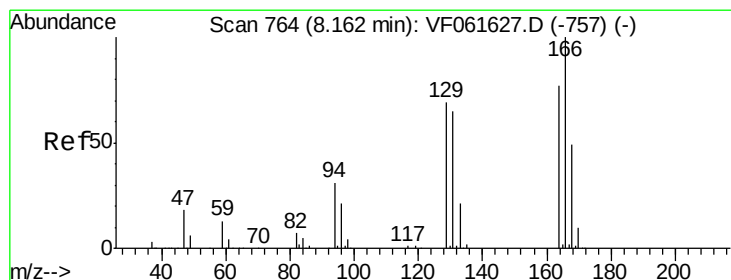
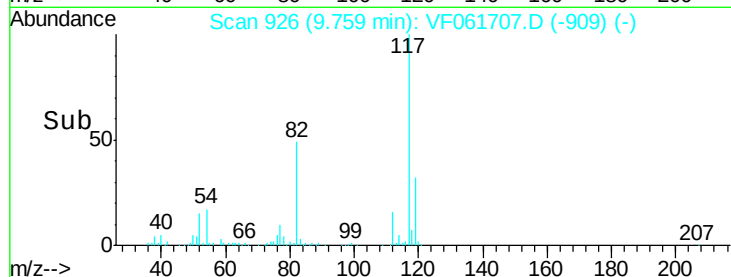
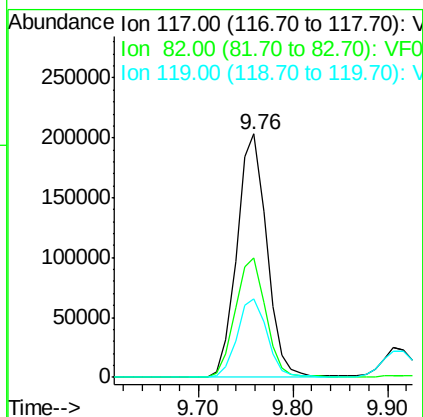
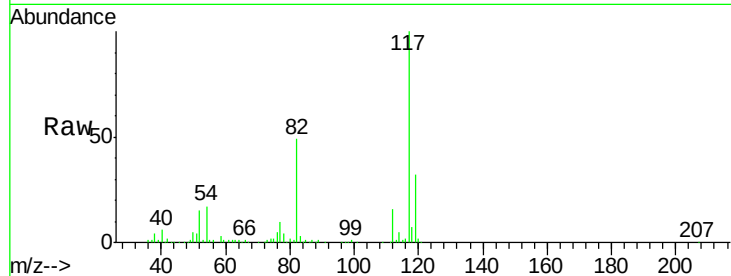




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.03 min
Lab File: VF061707.D
Acq: 22 Feb 2019 14:20

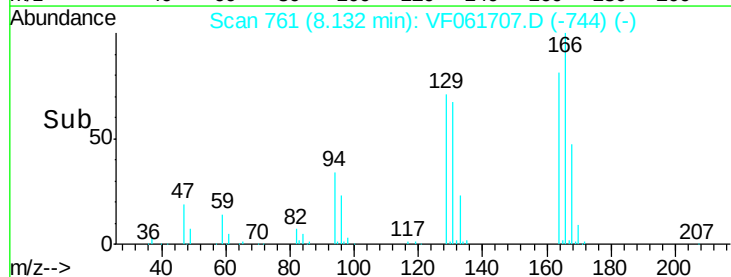
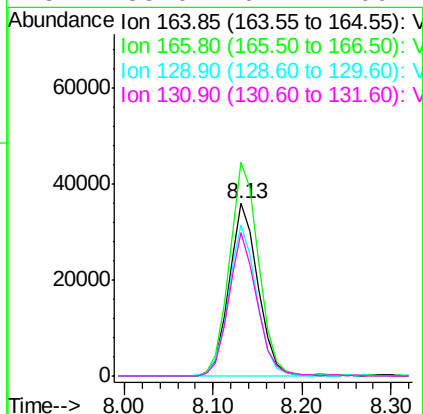
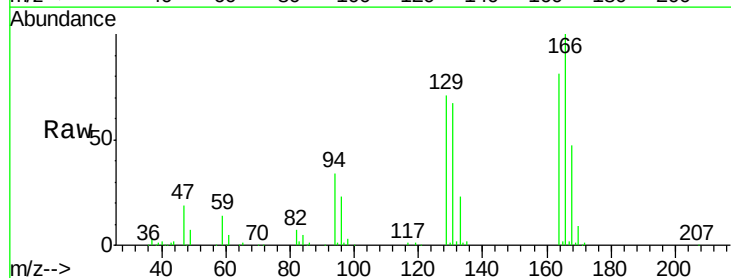
Instrument :
MSVOA_F
ClientSampleId :
VF0222SBS01

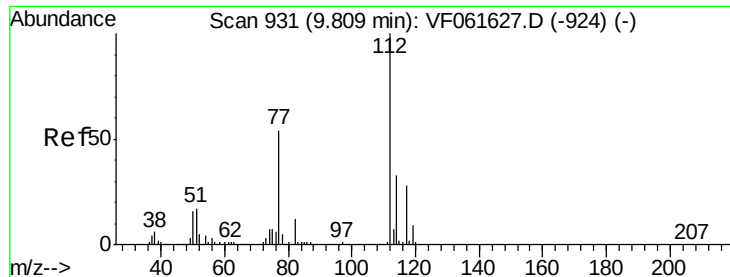
Tot Ion:117 Resp: 445368
Ion Ratio Lower Upper
117 100
82 49.2 39.3 58.9
119 32.4 26.6 40.0



#64
Tetrachloroethene
Concen: 22.568 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.03 min
Lab File: VF061707.D
Acq: 22 Feb 2019 14:20

Tgt Ion:164 Resp: 82156
Ion Ratio Lower Upper
164 100
166 123.7 103.9 155.9
129 87.4 71.3 106.9
131 83.0 67.1 100.7

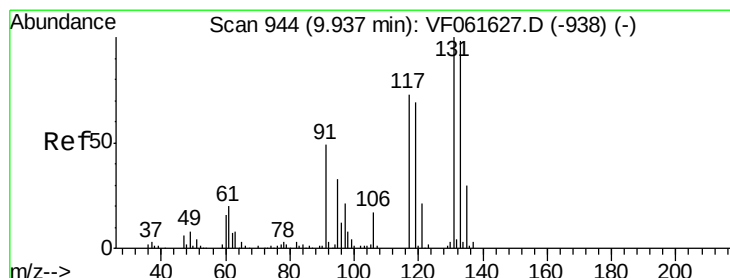
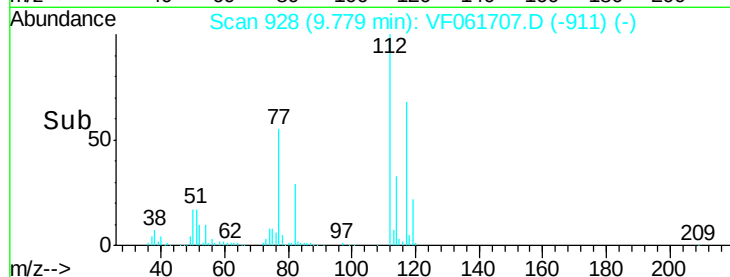
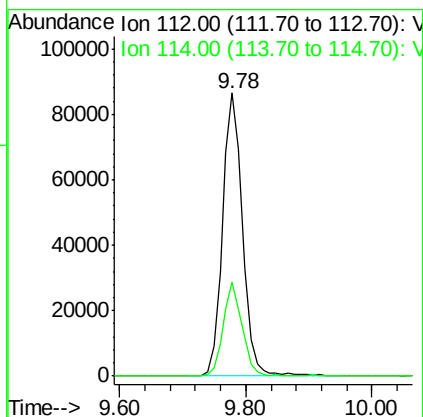
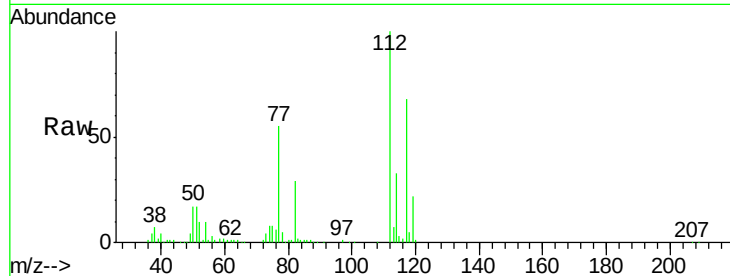




#65
Chlorobenzene
Concen: 21.098 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.03 min
Lab File: VF061707.D
Acq: 22 Feb 2019 14:20

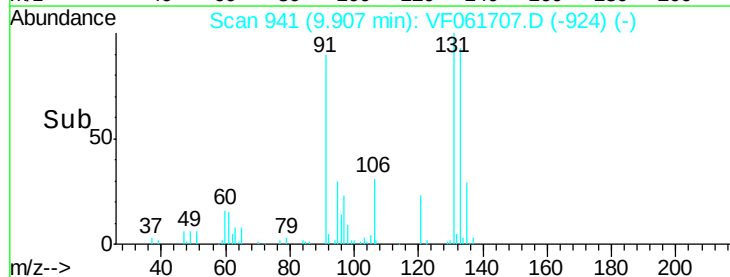
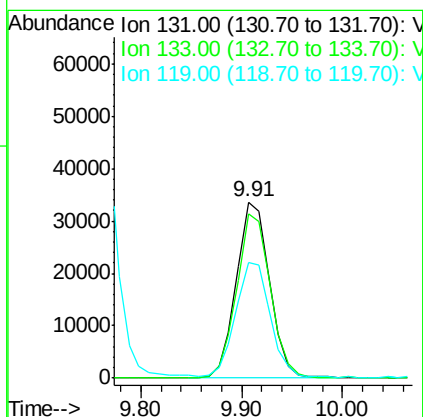
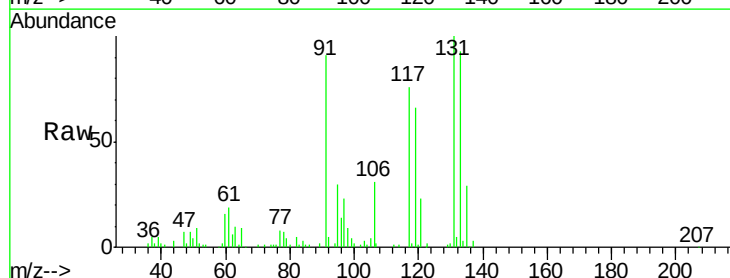
Instrument :
MSVOA_F
ClientSampleId :
VF0222SBSD01

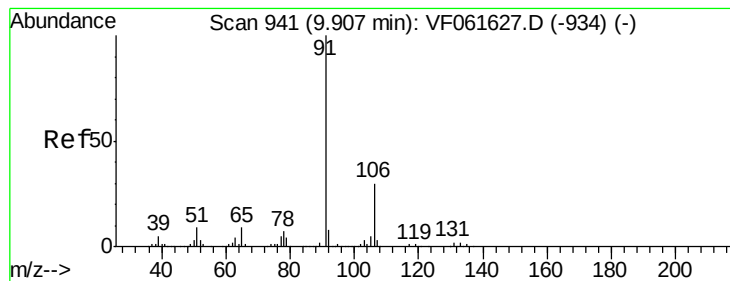
Tot Ion:112 Resp: 190671
Ion Ratio Lower Upper
112 100
114 33.1 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.890 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.03 min
Lab File: VF061707.D
Acq: 22 Feb 2019 14:20

Tgt Ion:131 Resp: 77520
Ion Ratio Lower Upper
131 100
133 93.4 48.9 146.6
119 65.8 34.8 104.3





#67

Ethyl Benzene

Concen: 21.607 ug/l

RT: 9.88 min Scan# 938

Delta R.T. -0.03 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

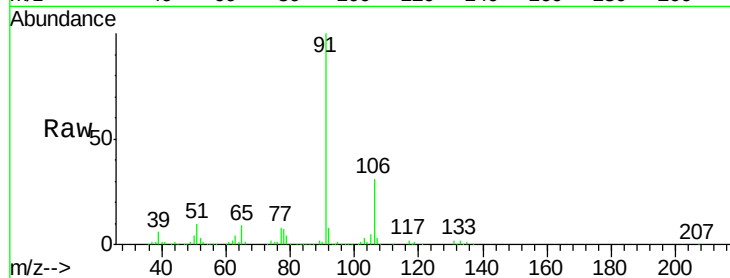
VF0222SBSD01

Tot Ion: 91 Resp: 324735

Ion Ratio Lower Upper

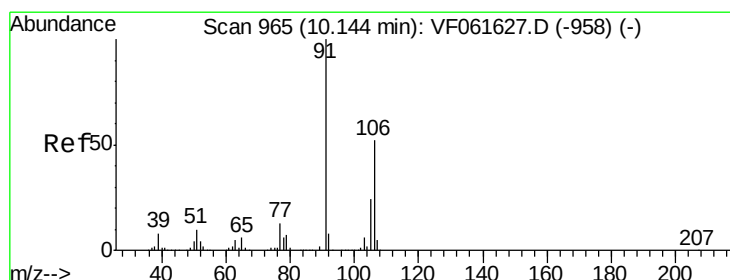
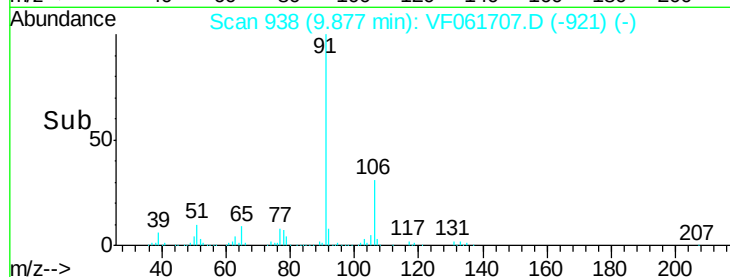
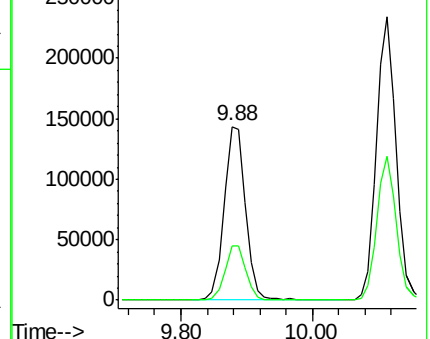
91 100

106 31.4 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 43.073 ug/l

RT: 10.11 min Scan# 962

Delta R.T. -0.03 min

Lab File: VF061707.D

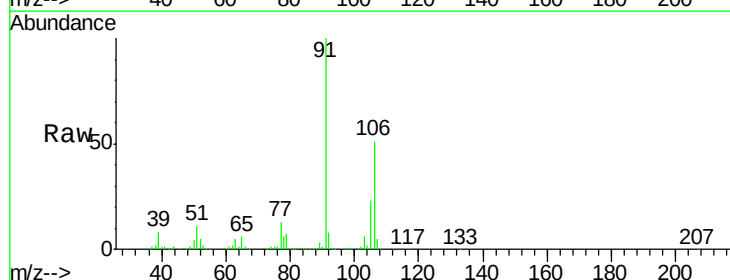
Acq: 22 Feb 2019 14:20

Tgt Ion: 106 Resp: 247752

Ion Ratio Lower Upper

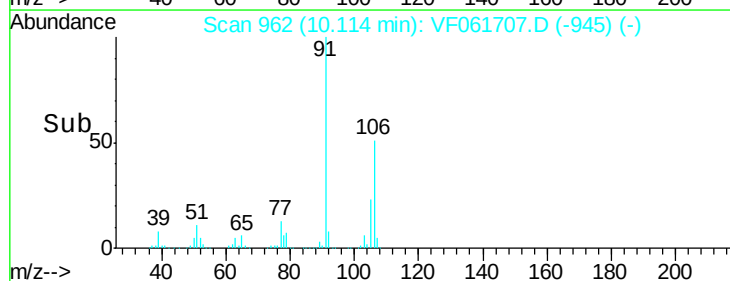
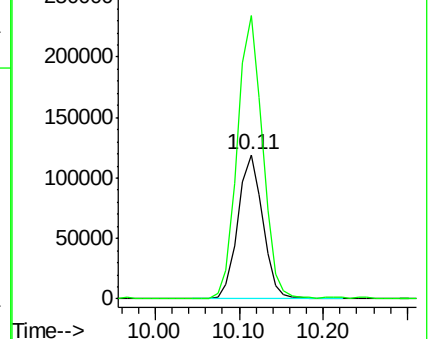
106 100

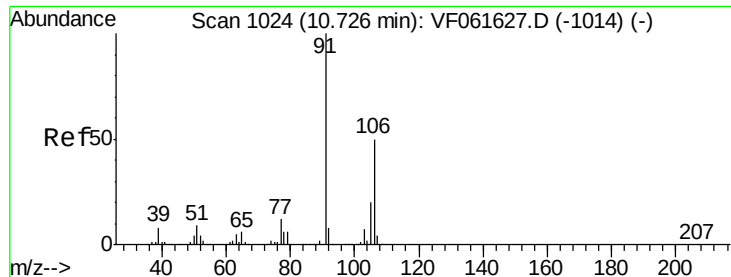
91 196.0 153.0 229.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

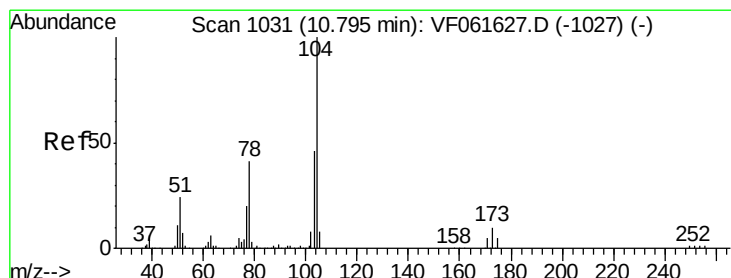
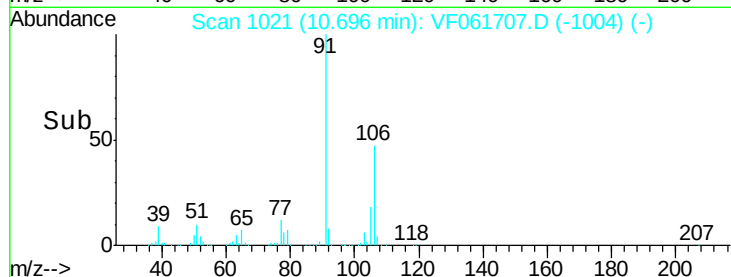
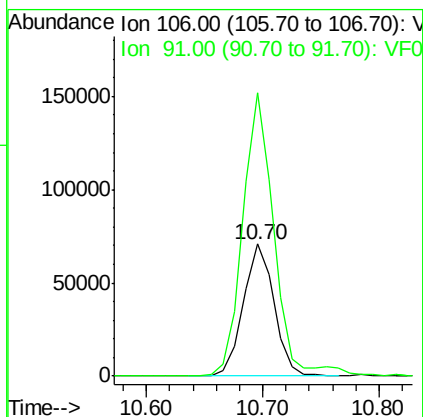
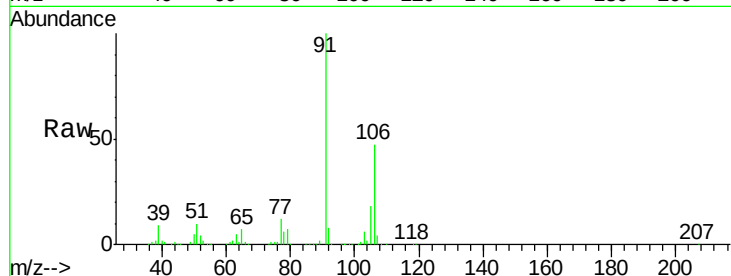




#69
o-Xylene
Concen: 21.156 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.03 min
Lab File: VF061707.D
Acq: 22 Feb 2019 14:20

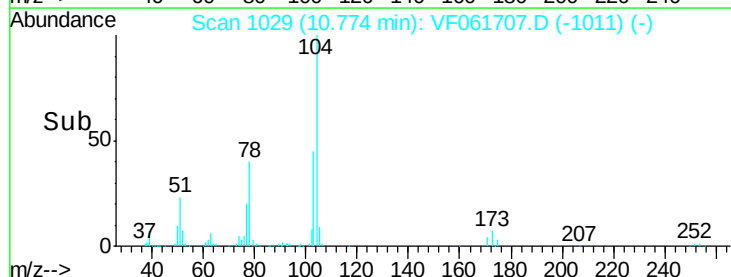
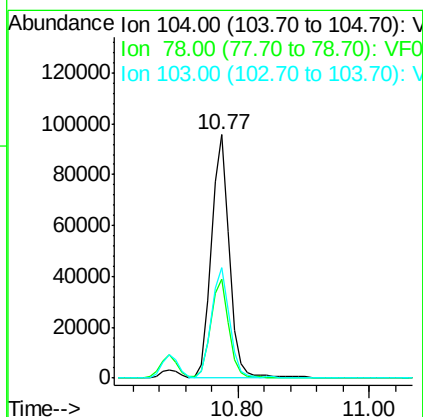
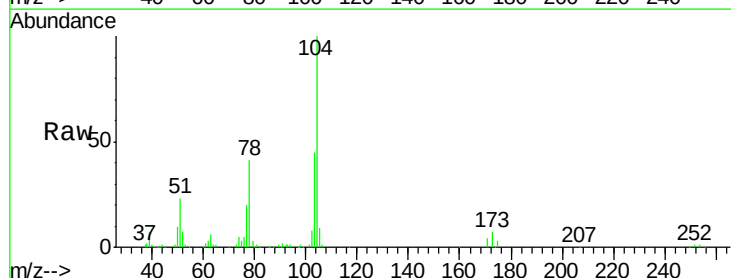
Instrument :
MSVOA_F
ClientSampleId :
VF0222SBSD01

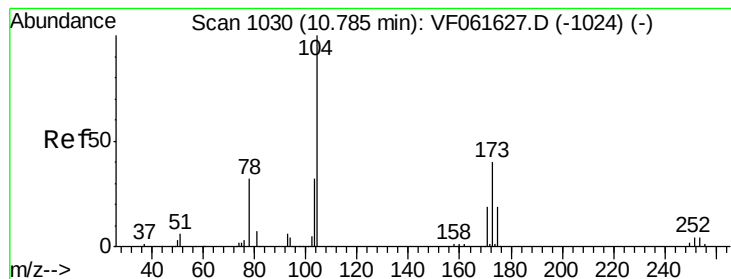
Tot Ion:106 Resp: 129849
Ion Ratio Lower Upper
106 100
91 214.3 100.1 300.1



#70
Styrene
Concen: 20.520 ug/l
RT: 10.77 min Scan# 1029
Delta R.T. -0.02 min
Lab File: VF061707.D
Acq: 22 Feb 2019 14:20

Tgt Ion:104 Resp: 178168
Ion Ratio Lower Upper
104 100
78 40.5 33.2 49.8
103 45.4 37.2 55.8





#71

Bromoform

Concen: 19.547 ug/l

RT: 10.75 min Scan# 1027

Delta R.T. -0.03 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

VF0222SBS01

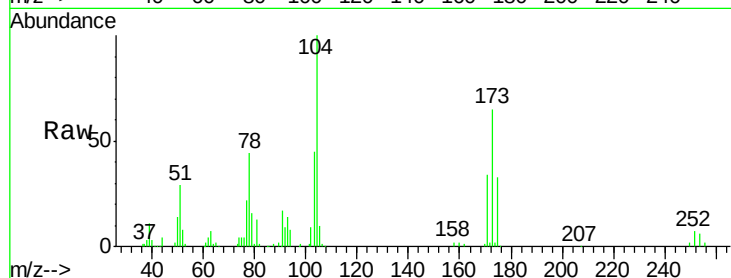
Tot Ion:173 Resp: 37590

Ion Ratio Lower Upper

173 100

175 50.3 24.0 72.0

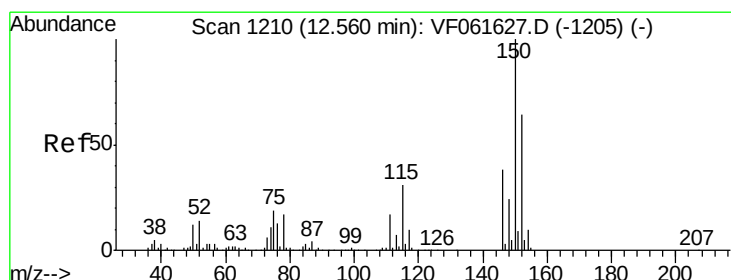
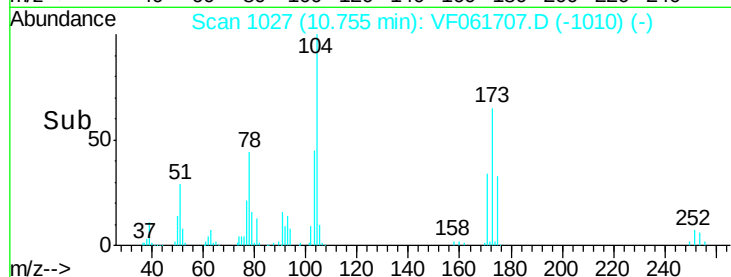
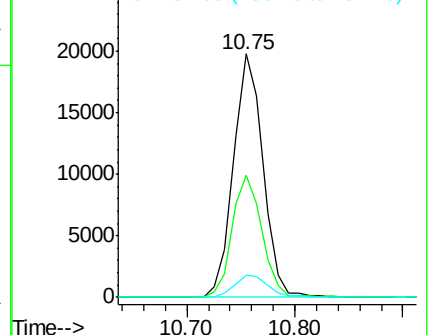
254 8.9 8.2 12.2



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.02 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

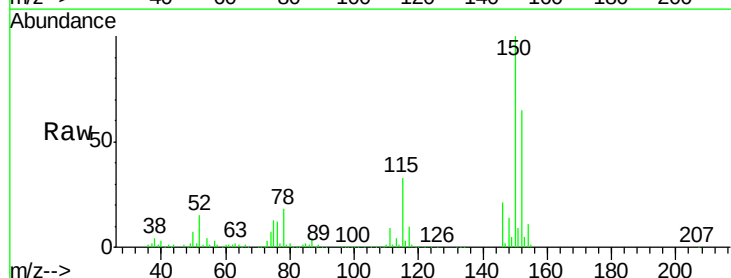
Tgt Ion:152 Resp: 246252

Ion Ratio Lower Upper

152 100

115 51.0 24.3 72.8

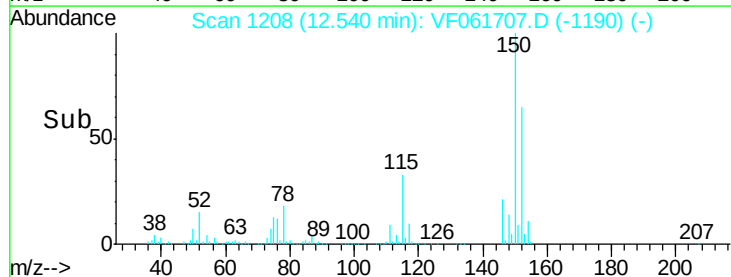
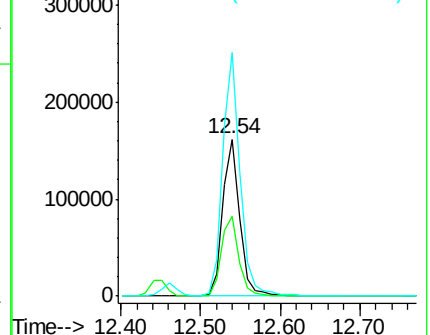
150 155.0 0.0 312.0

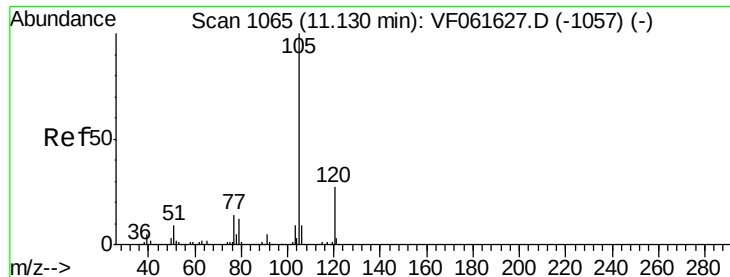


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.217 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.02 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

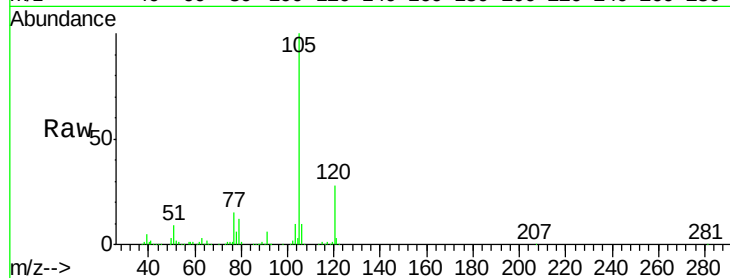
VF0222SBS01

Tot Ion:105 Resp: 389518

Ion Ratio Lower Upper

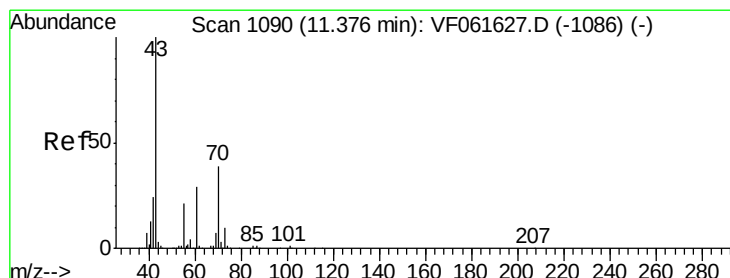
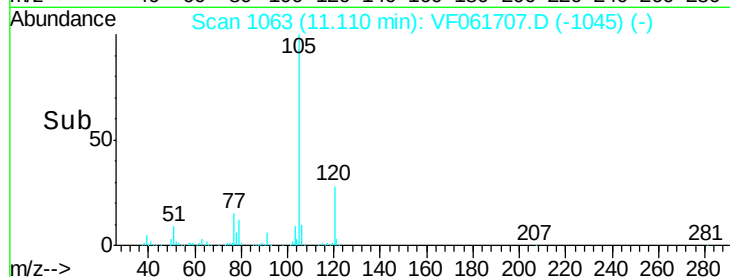
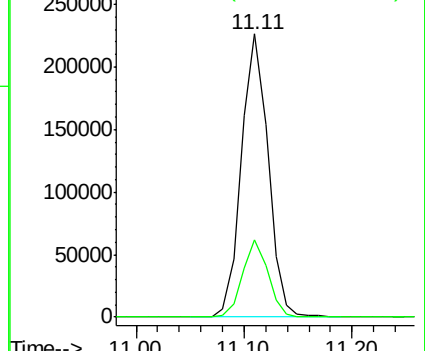
105 100

120 27.5 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: 21.727 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.02 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

Tgt Ion: 43 Resp: 91433

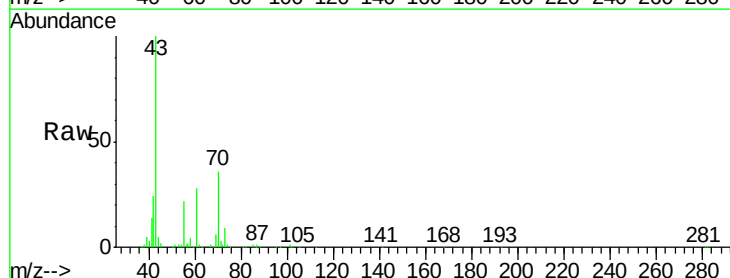
Ion Ratio Lower Upper

43 100

70 36.0 31.5 47.3

55 22.1 16.7 25.1

61 28.2 23.0 34.6

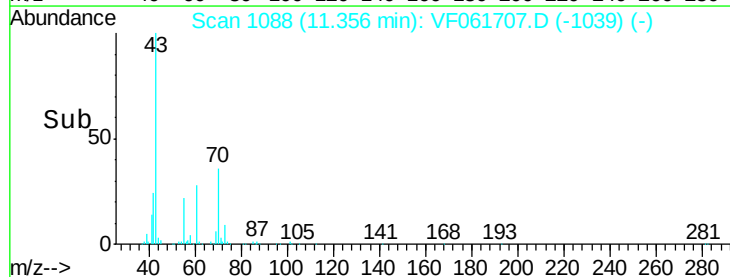
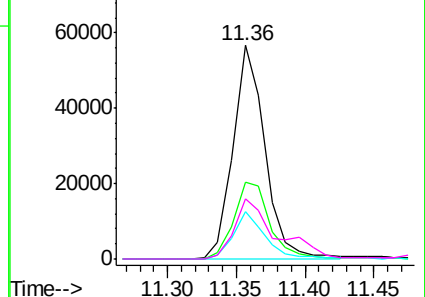


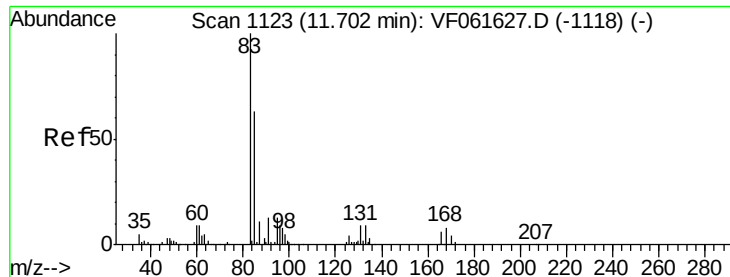
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 20.135 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

VF0222SBSD01

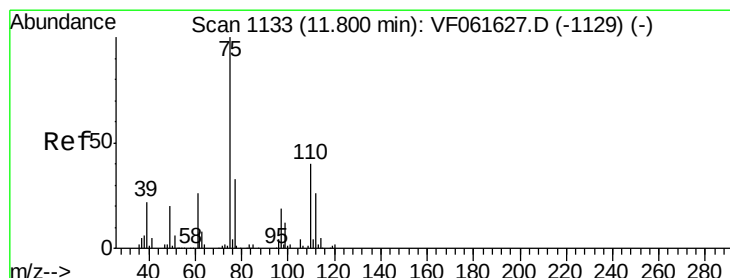
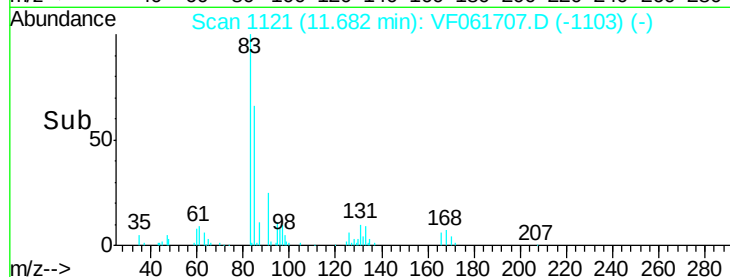
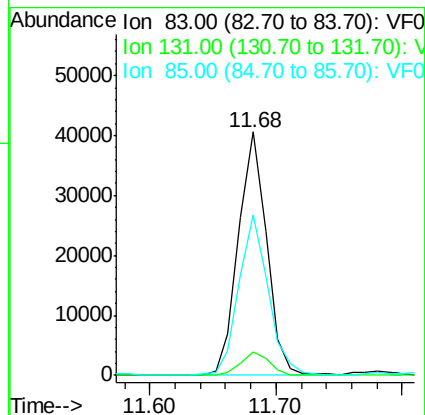
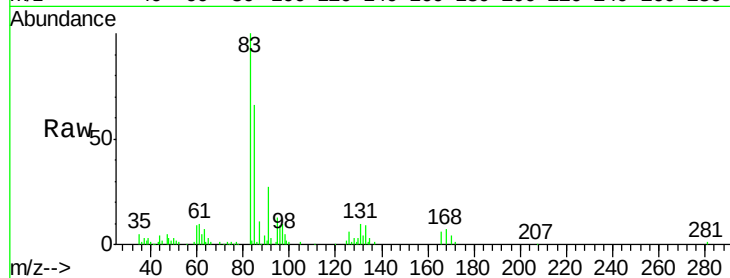
Tot Ion: 83 Resp: 63246

Ion Ratio Lower Upper

83 100

131 9.7 4.4 13.2

85 65.8 31.5 94.5



#76

1,2,3-Trichloropropane

Concen: 20.428 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.02 min

Lab File: VF061707.D

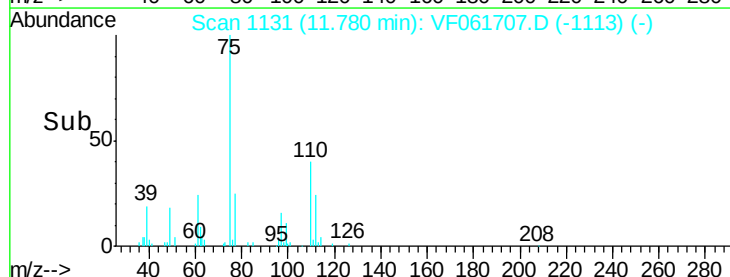
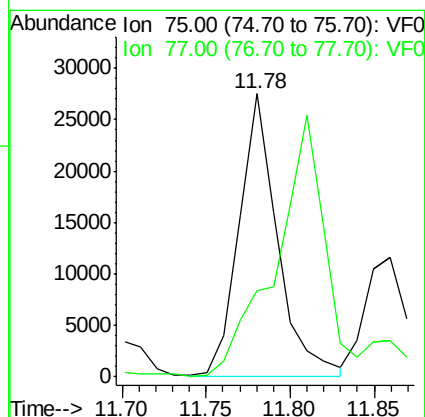
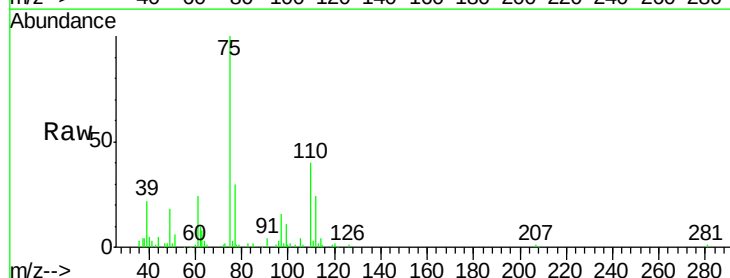
Acq: 22 Feb 2019 14:20

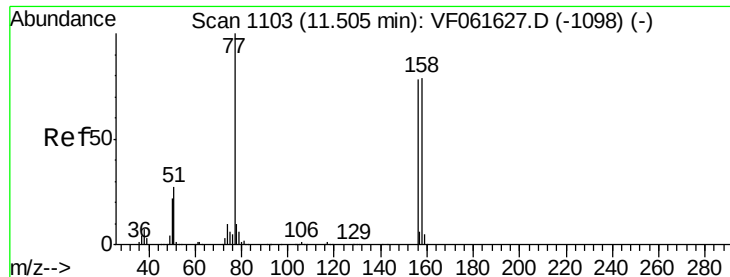
Tgt Ion: 75 Resp: 43625

Ion Ratio Lower Upper

75 100

77 30.3 16.6 49.7





#77

Bromobenzene

Concen: 21.921 ug/l

RT: 11.48 min Scan# 1101

Delta R.T. -0.02 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

VF0222SBS01

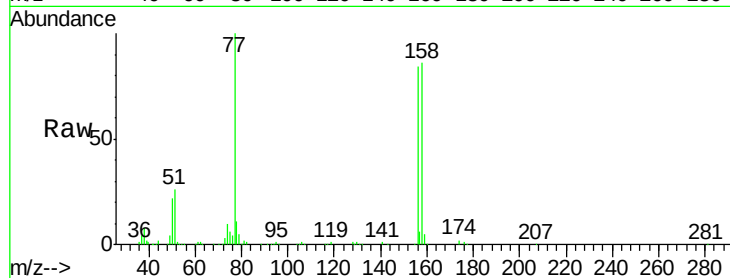
Tot Ion:156 Resp: 94948

Ion Ratio Lower Upper

156 100

77 119.3 64.3 192.7

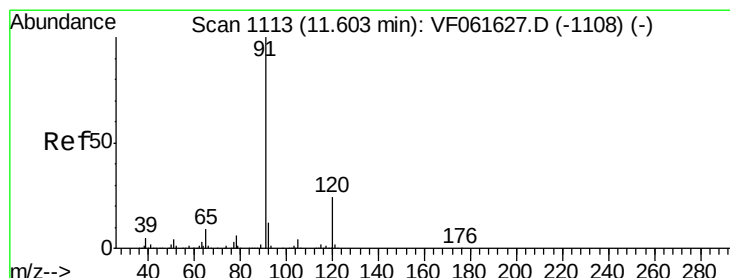
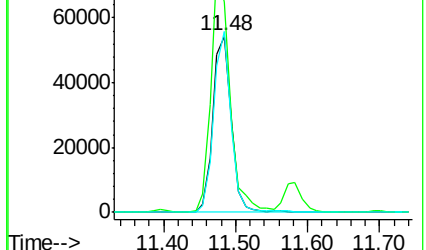
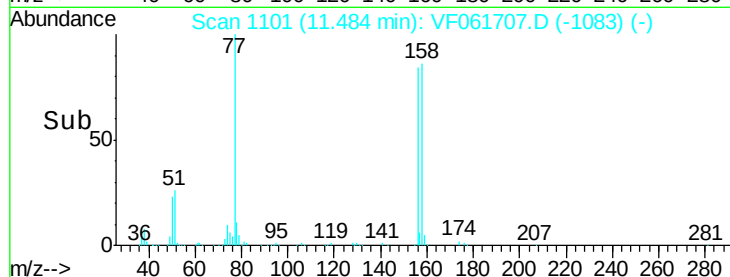
158 102.5 50.9 152.7



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 21.500 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF061707.D

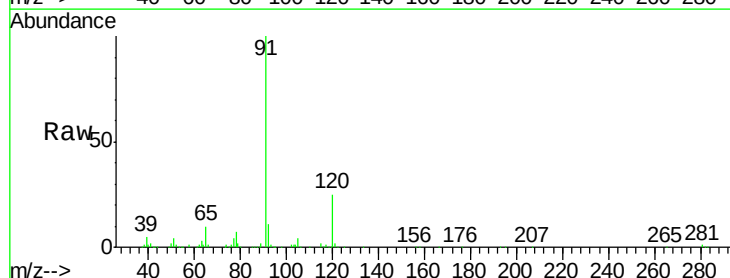
Acq: 22 Feb 2019 14:20

Tgt Ion: 91 Resp: 432562

Ion Ratio Lower Upper

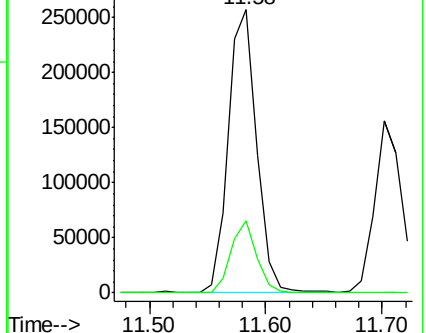
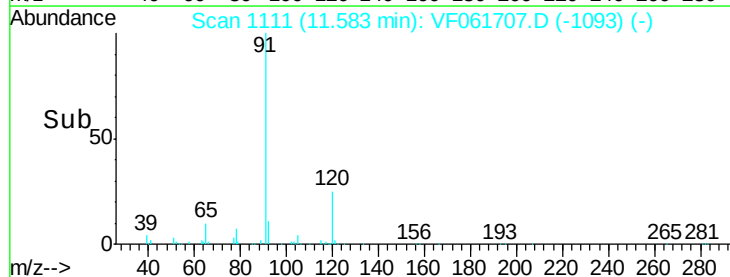
91 100

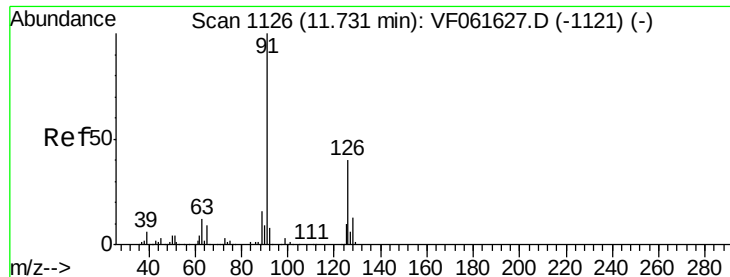
120 25.4 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.960 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.03 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

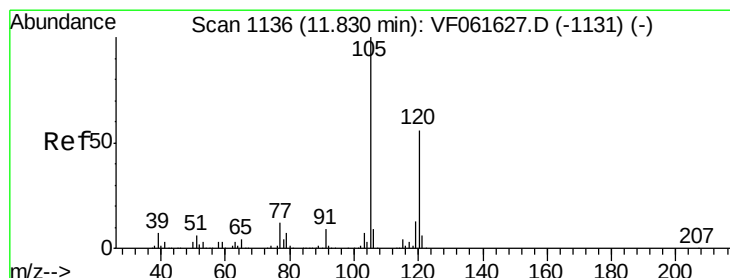
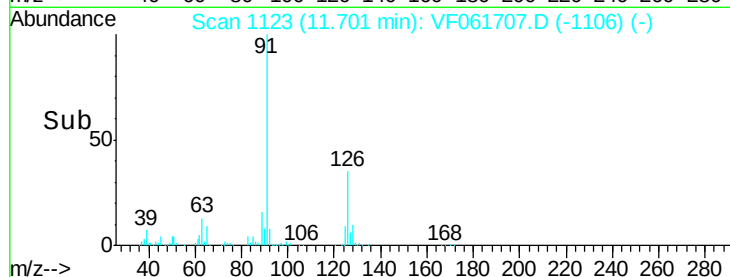
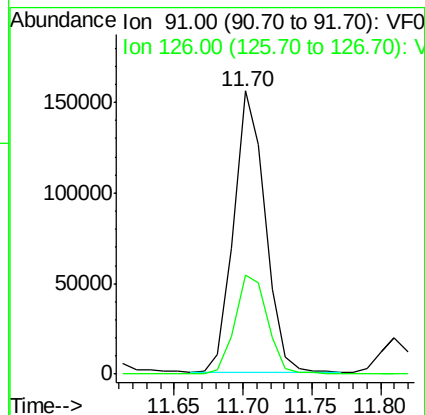
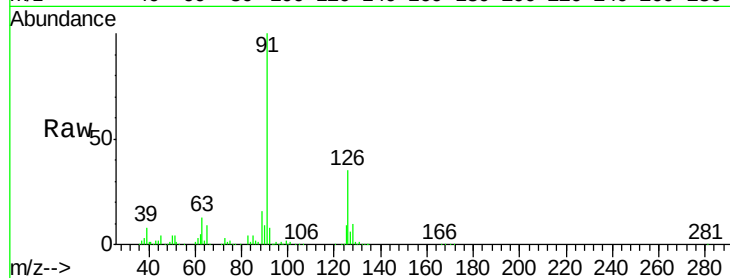
VF0222SBS01

Tot Ion: 91 Resp: 247442

Ion Ratio Lower Upper

91 100

126 35.2 19.8 59.4



#80

1,3,5-Trimethylbenzene

Concen: 22.105 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.02 min

Lab File: VF061707.D

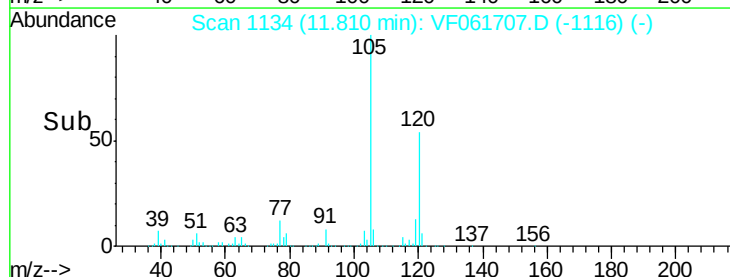
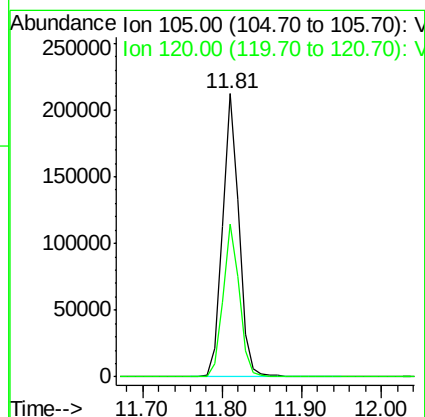
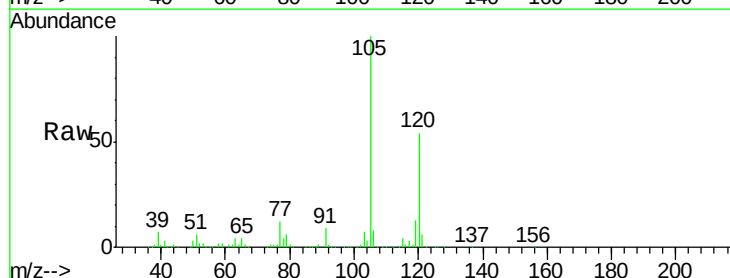
Acq: 22 Feb 2019 14:20

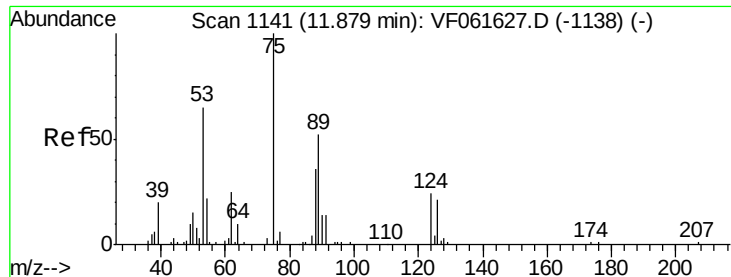
Tgt Ion:105 Resp: 309757

Ion Ratio Lower Upper

105 100

120 53.9 27.9 83.6





#81

trans-1,4-Dichloro-2-butene

Concen: 25.849 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.02 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

VF0222SBSD01

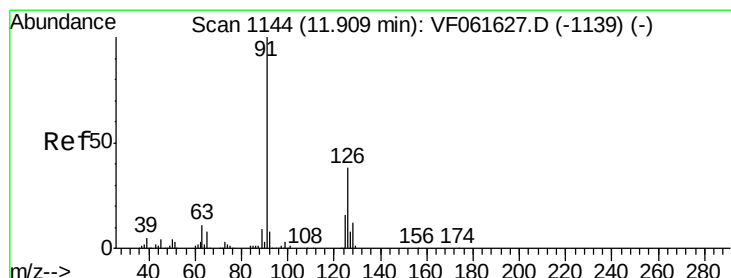
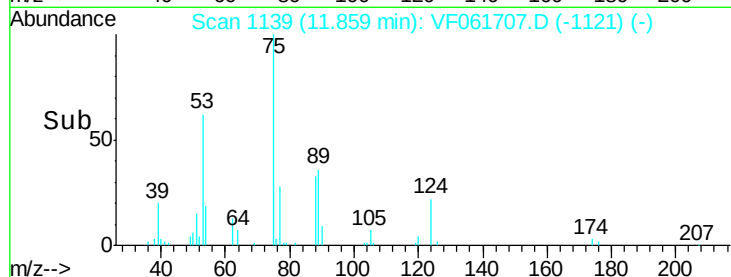
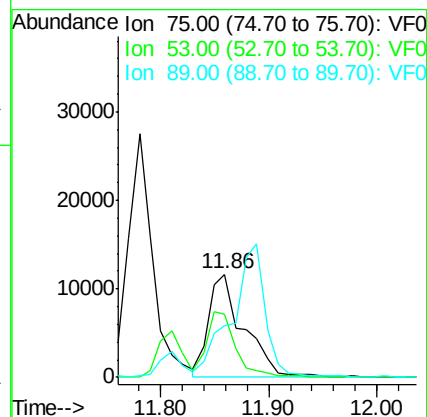
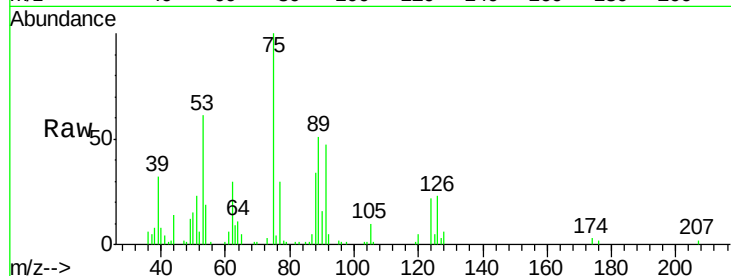
Tot Ion: 75 Resp: 26464

Ion Ratio Lower Upper

75 100

53 60.9 53.7 80.5

89 50.8 41.6 62.4



#82

4-Chlorotoluene

Concen: 21.005 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.02 min

Lab File: VF061707.D

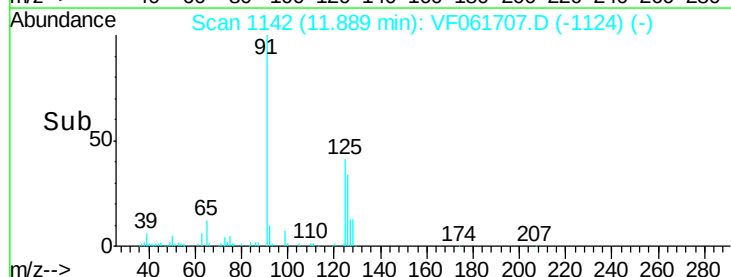
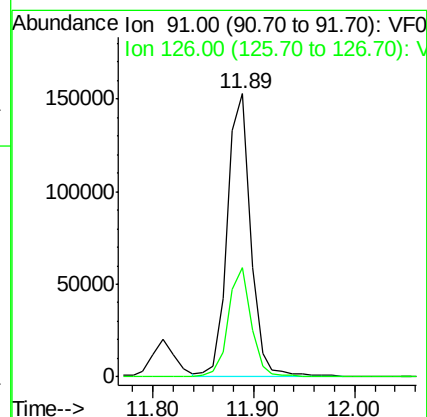
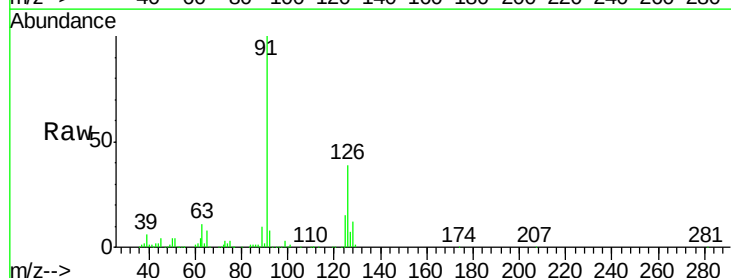
Acq: 22 Feb 2019 14:20

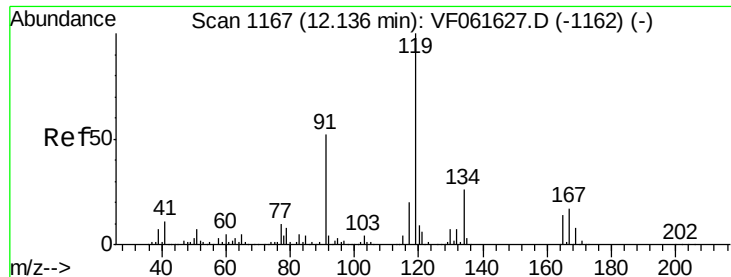
Tgt Ion: 91 Resp: 245664

Ion Ratio Lower Upper

91 100

126 38.8 19.1 57.1

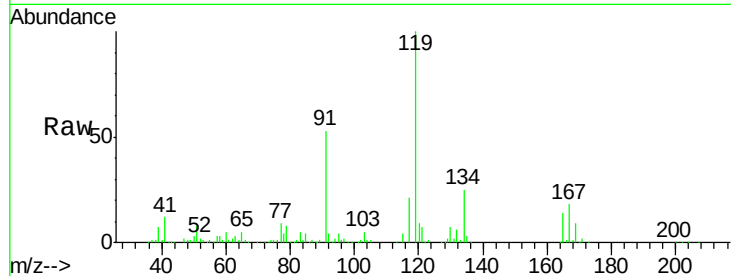




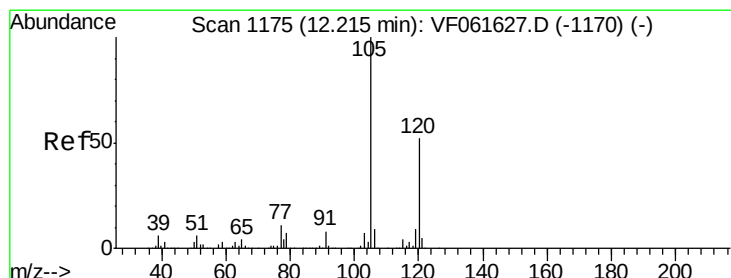
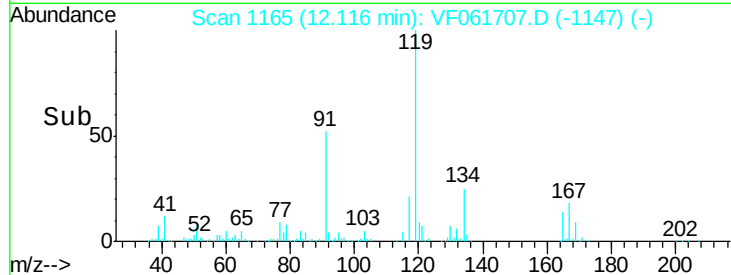
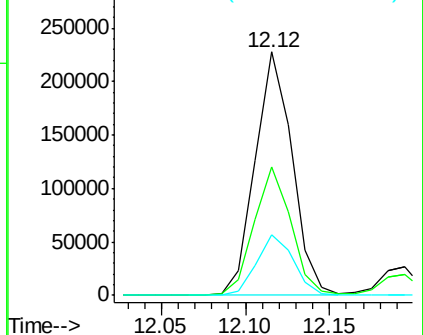
#83
 tert-Butylbenzene
 Concen: 22.487 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. -0.02 min
 Lab File: VF061707.D
 Acq: 22 Feb 2019 14:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0222SBS01

Tot Ion:119 Resp: 349019
 Ion Ratio Lower Upper
 119 100
 91 52.9 26.3 78.8
 134 25.0 12.9 38.7

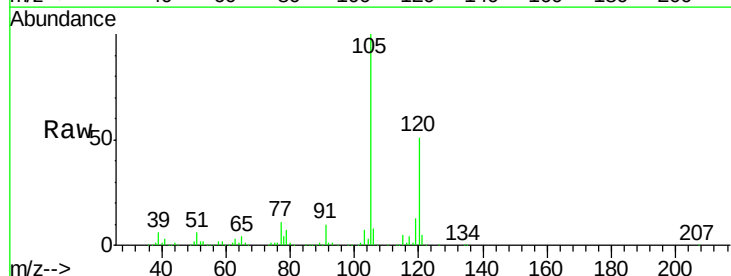


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

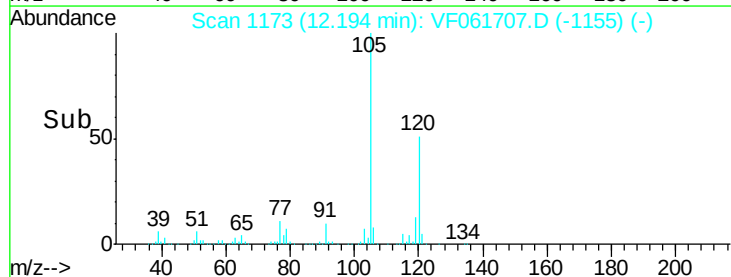
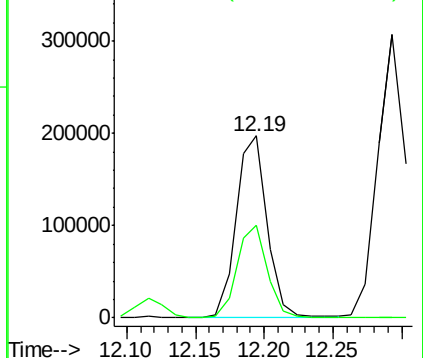


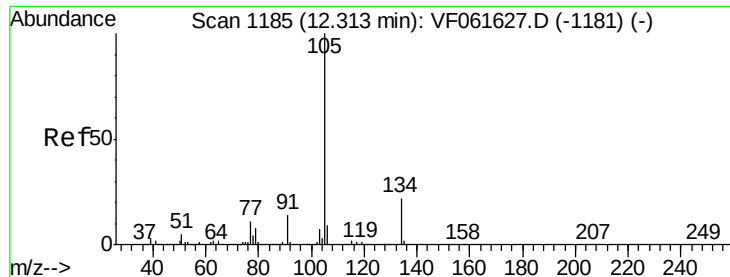
#84
 1,2,4-Trimethylbenzene
 Concen: 22.229 ug/l
 RT: 12.19 min Scan# 1173
 Delta R.T. -0.02 min
 Lab File: VF061707.D
 Acq: 22 Feb 2019 14:20

Tgt Ion:105 Resp: 309457
 Ion Ratio Lower Upper
 105 100
 120 51.3 26.1 78.3



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





#85

sec-Butylbenzene

Concen: 22.050 ug/l

RT: 12.29 min Scan# 1183

Delta R.T. -0.02 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

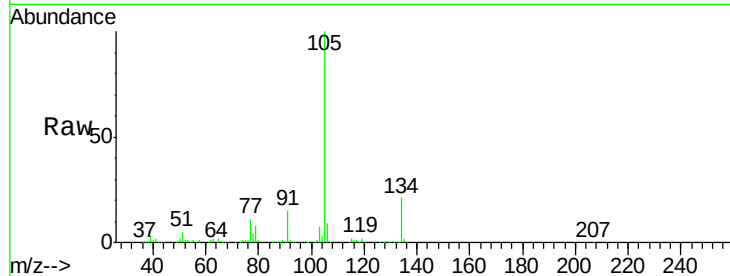
VF0222SBSD01

Tot Ion:105 Resp: 442558

Ion Ratio Lower Upper

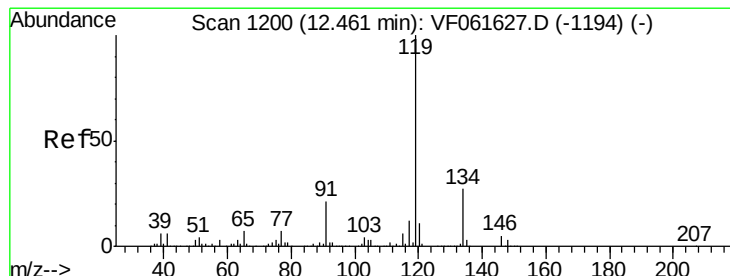
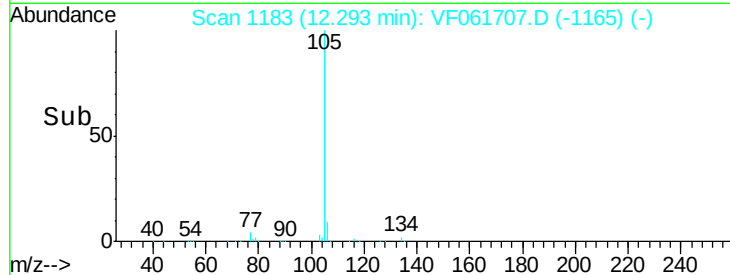
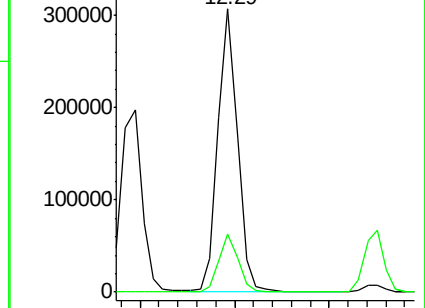
105 100

134 20.7 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: 22.096 ug/l

RT: 12.45 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

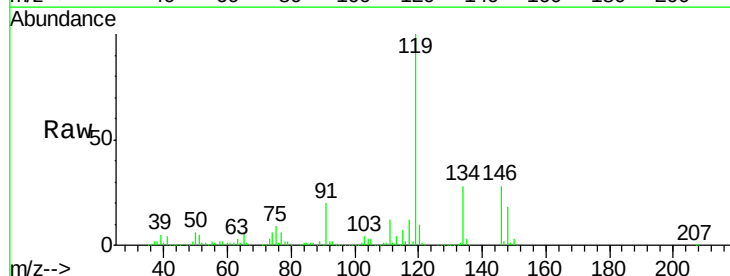
Tgt Ion:119 Resp: 372194

Ion Ratio Lower Upper

119 100

134 27.9 13.7 41.1

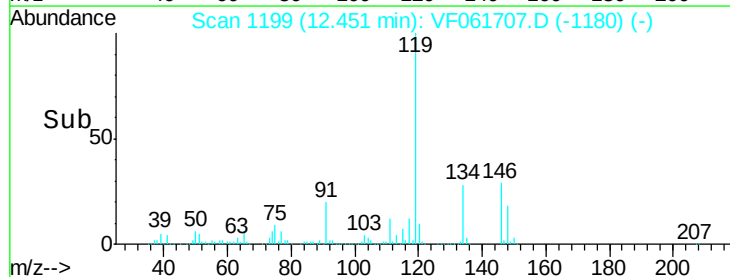
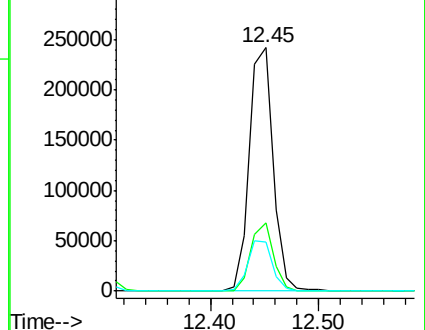
91 20.0 10.8 32.4

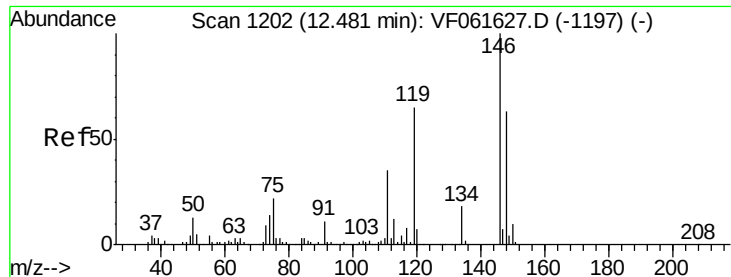


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

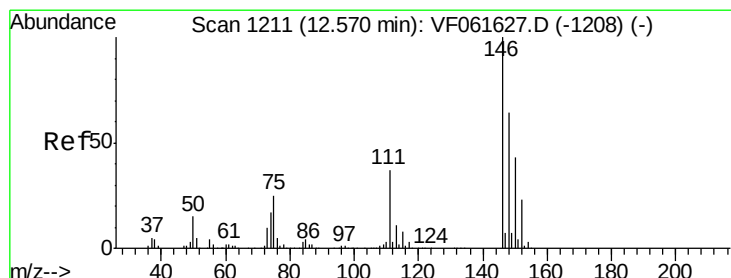
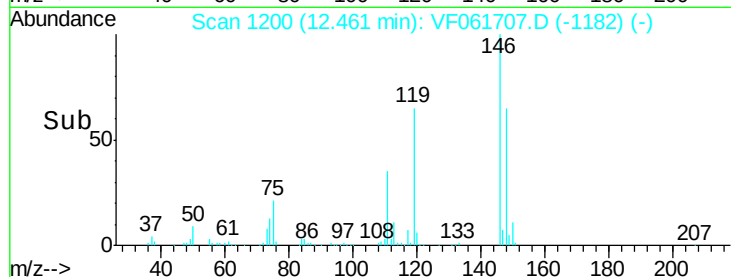
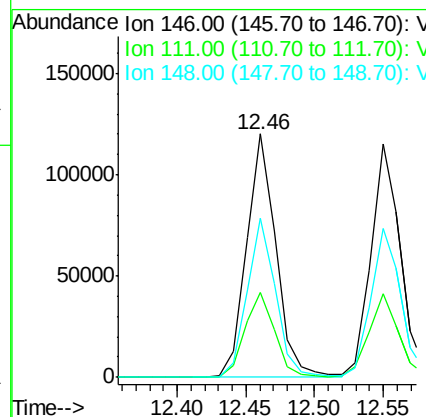
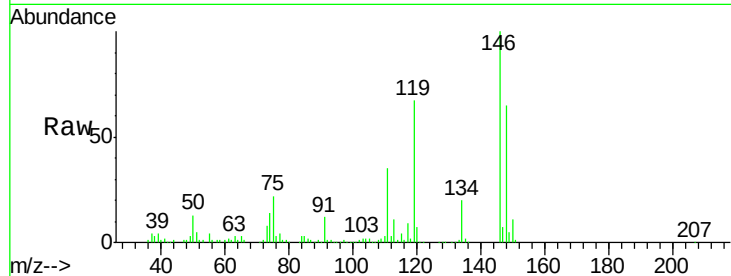




#87
 1,3-Dichlorobenzene
 Concen: 21.303 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VF061707.D
 Acq: 22 Feb 2019 14:20

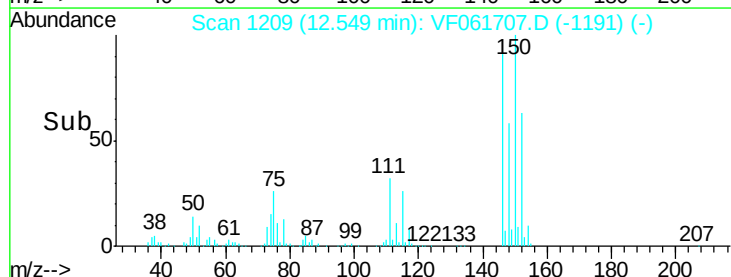
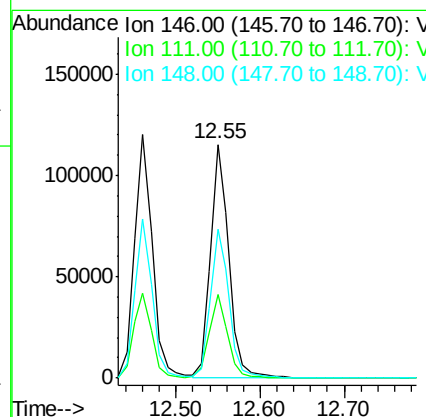
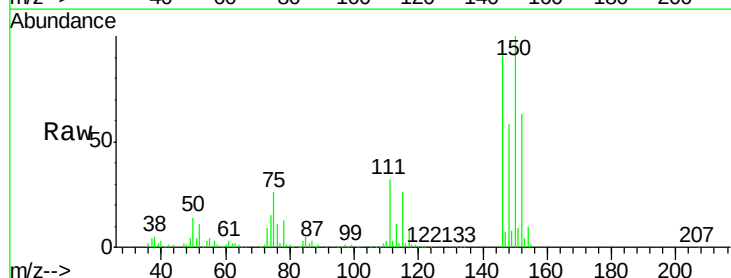
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0222SBS01

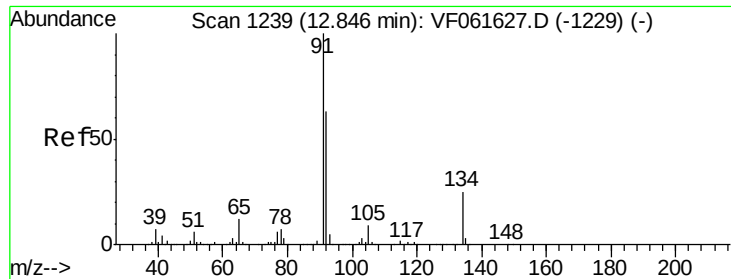
Tot Ion	Ratio	Lower	Upper
146	100		
111	34.9	17.5	52.6
148	65.1	31.4	94.3



#88
 1,4-Dichlorobenzene
 Concen: 21.461 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.02 min
 Lab File: VF061707.D
 Acq: 22 Feb 2019 14:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.6	18.4	55.4
148	63.8	32.2	96.6

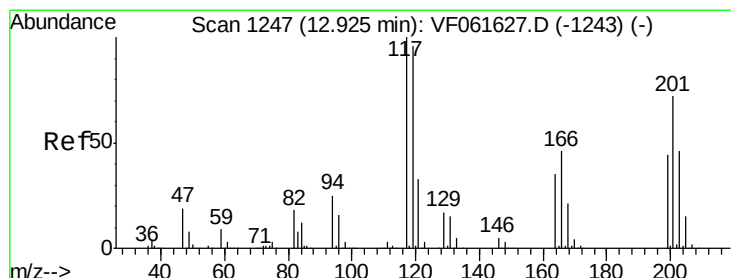
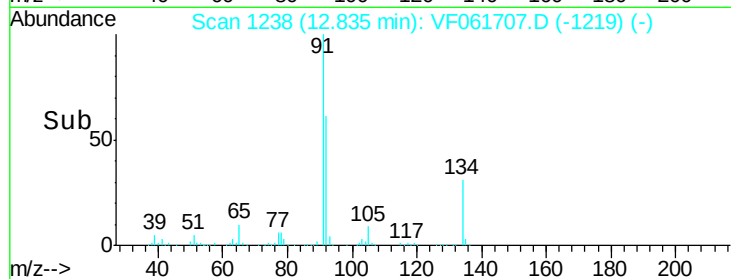
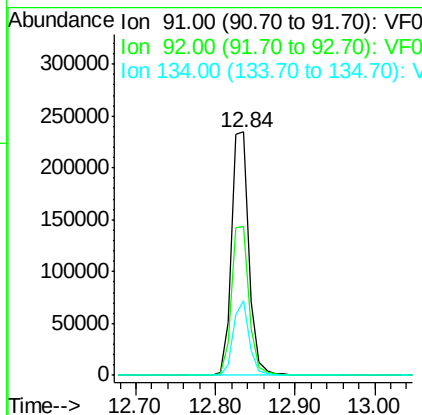
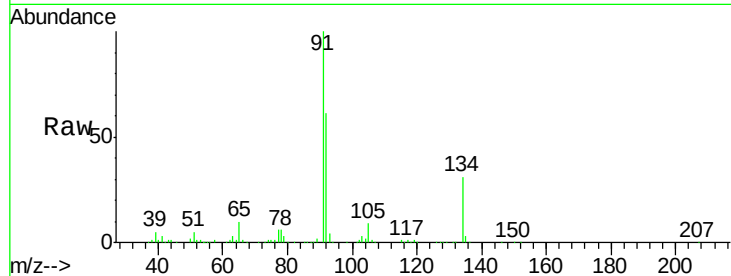




#89
n-Butylbenzene
Concen: 22.876 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VF061707.D
Acq: 22 Feb 2019 14:20

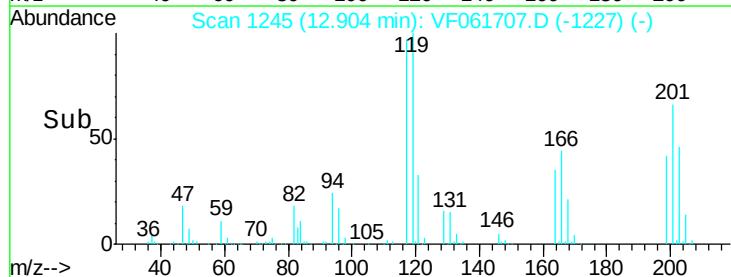
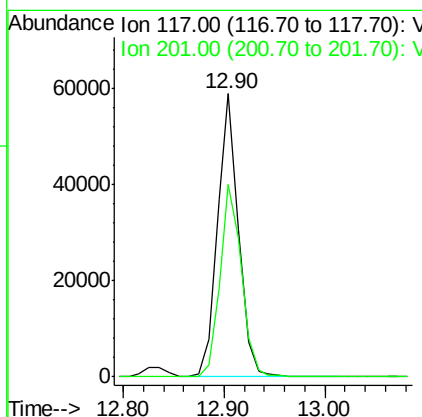
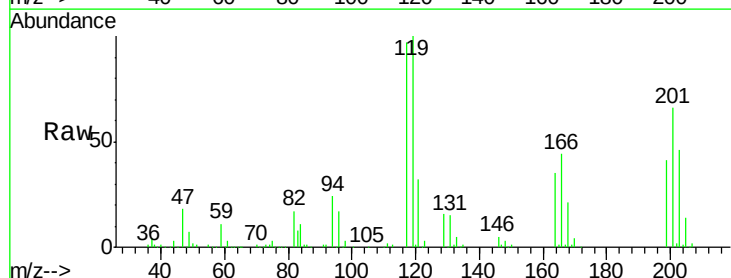
Instrument :
MSVOA_F
ClientSampleId :
VF0222SBS01

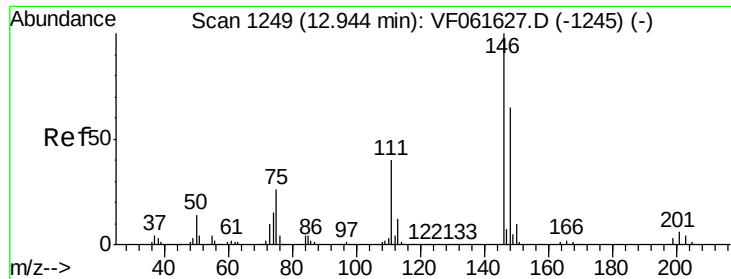
Tot Ion: 91 Resp: 363857
Ion Ratio Lower Upper
91 100
92 61.3 31.4 94.3
134 30.8 12.3 36.9



#90
Hexachloroethane
Concen: 21.866 ug/l
RT: 12.90 min Scan# 1245
Delta R.T. -0.02 min
Lab File: VF061707.D
Acq: 22 Feb 2019 14:20

Tgt Ion: 117 Resp: 85660
Ion Ratio Lower Upper
117 100
201 68.1 36.2 108.6

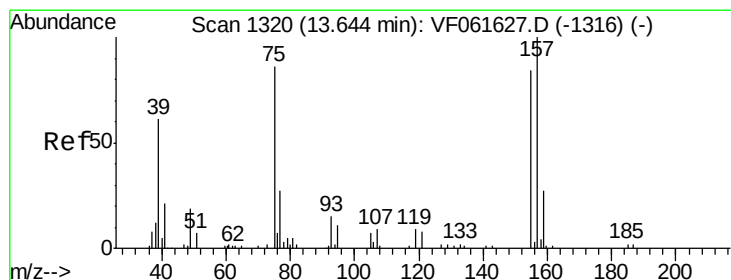
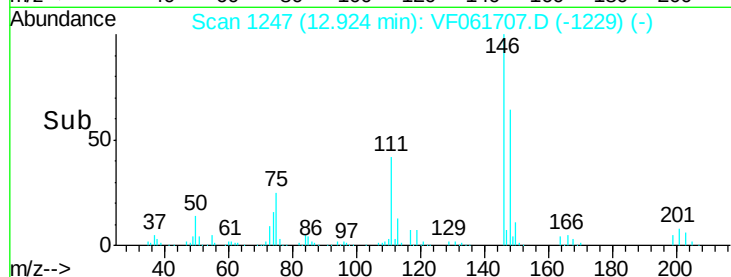
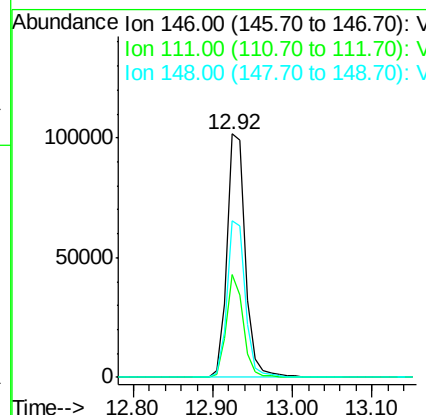
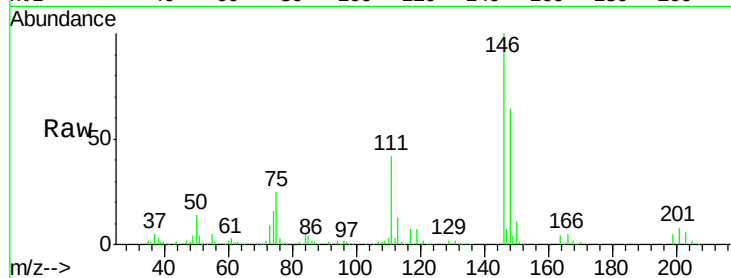




#91
 1,2-Dichlorobenzene
 Concen: 20.673 ug/l
 RT: 12.92 min Scan# 1247
 Delta R.T. -0.02 min
 Lab File: VF061707.D
 Acq: 22 Feb 2019 14:20

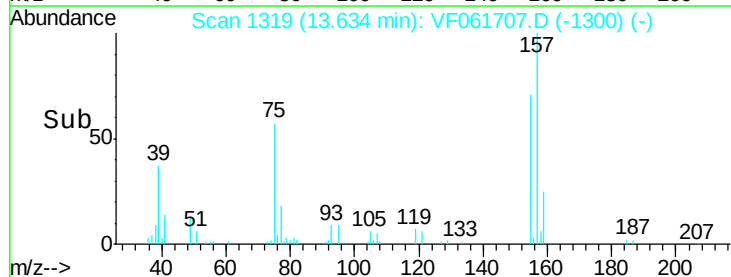
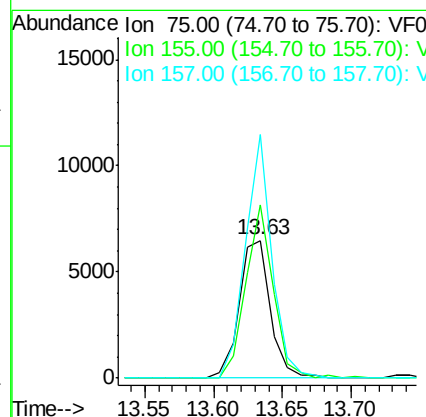
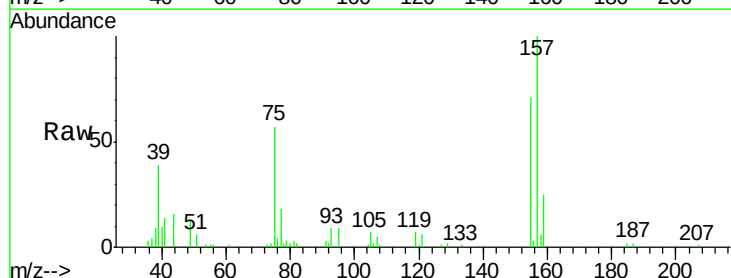
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0222SBS01

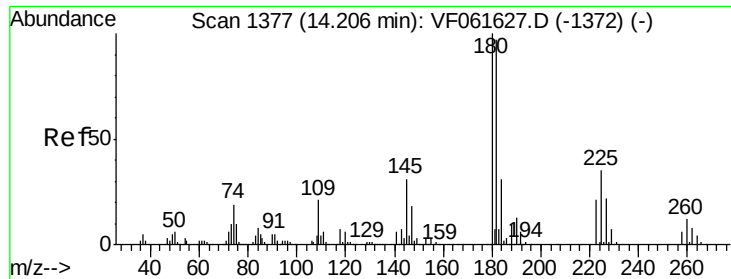
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.2	60.5
148	64.1	32.3	96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.472 ug/l
 RT: 13.63 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: VF061707.D
 Acq: 22 Feb 2019 14:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	125.7	48.9	146.8
157	176.9	58.3	174.8#

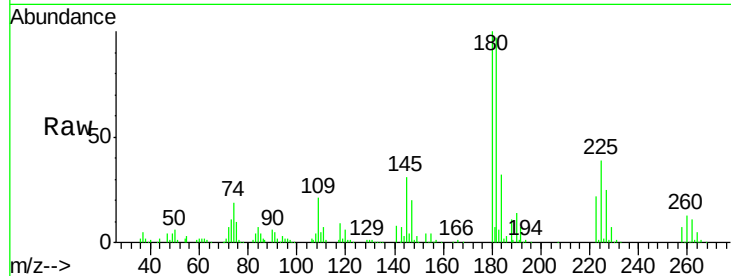




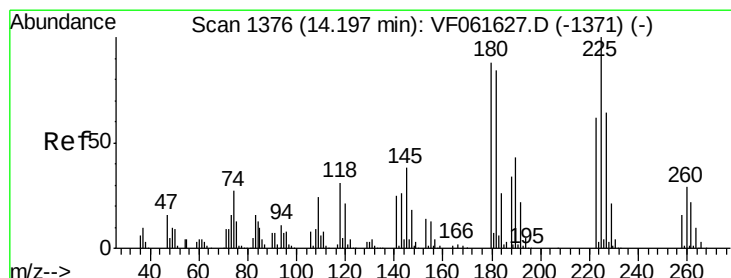
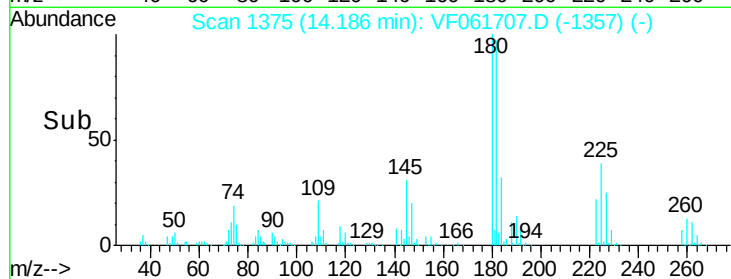
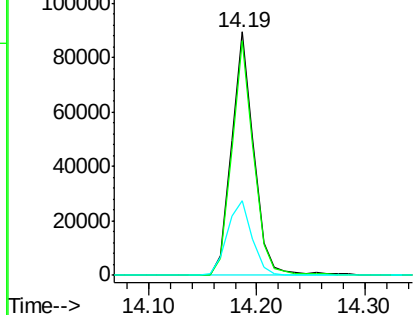
#93
 1,2,4-Trichlorobenzene
 Concen: 22.357 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VF061707.D
 Acq: 22 Feb 2019 14:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0222SBS01

Tot Ion:180 Resp: 128708
 Ion Ratio Lower Upper
 180 100
 182 96.6 48.6 145.9
 145 30.7 15.3 45.9

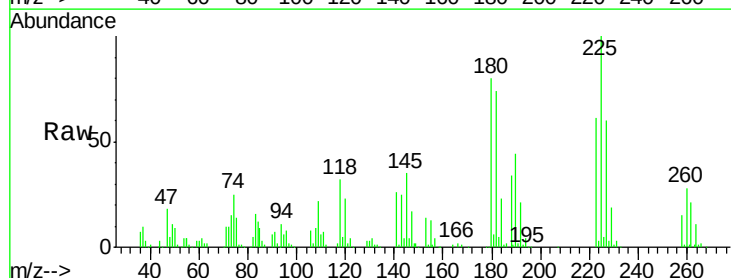


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

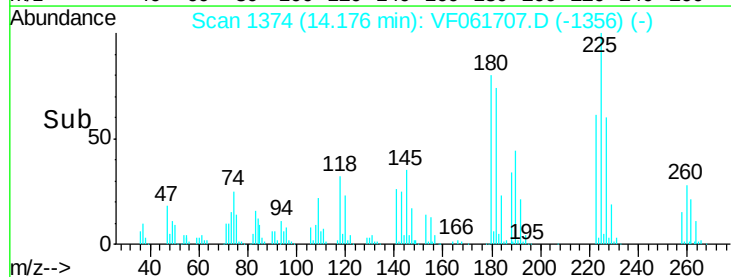
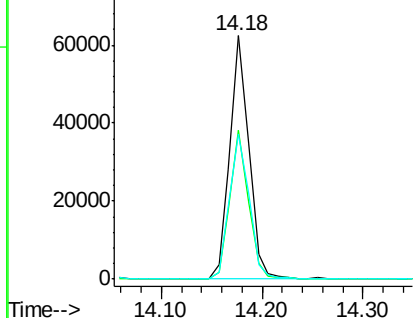


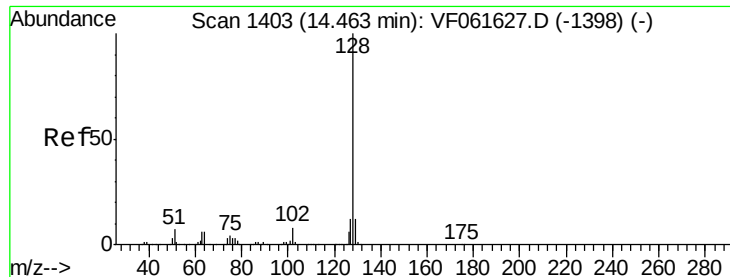
#94
 Hexachlorobutadiene
 Concen: 23.073 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.02 min
 Lab File: VF061707.D
 Acq: 22 Feb 2019 14:20

Tgt Ion:225 Resp: 82033
 Ion Ratio Lower Upper
 225 100
 223 61.4 30.9 92.7
 227 59.6 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: 20.744 ug/l

RT: 14.44 min Scan# 1401

Delta R.T. -0.02 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

VF0222SBS01

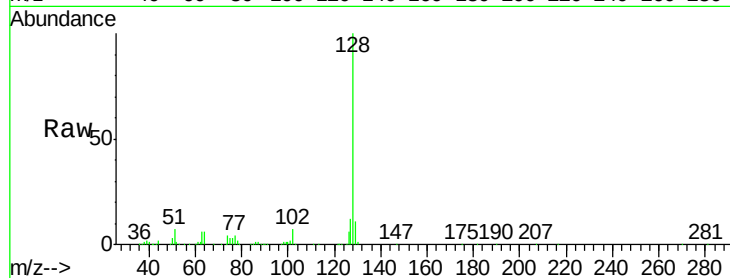
Tot Ion:128 Resp: 208946

Ion Ratio Lower Upper

128 100

127 11.9 9.8 14.6

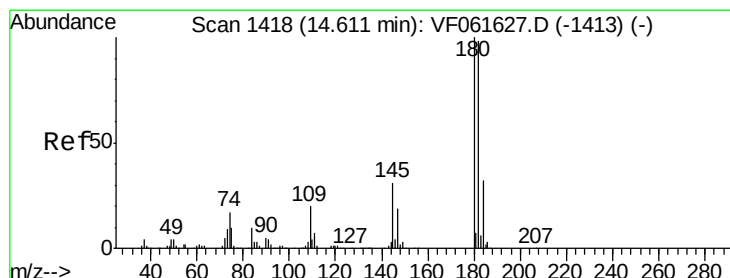
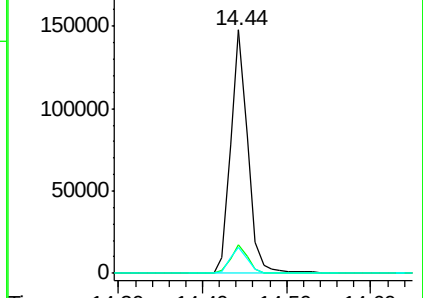
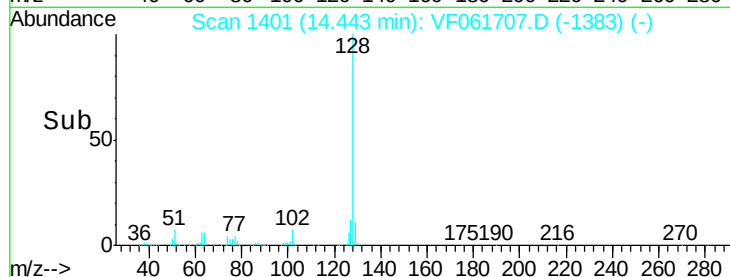
129 10.6 9.4 14.2



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: 21.747 ug/l

RT: 14.59 min Scan# 1416

Delta R.T. -0.02 min

Lab File: VF061707.D

Acq: 22 Feb 2019 14:20

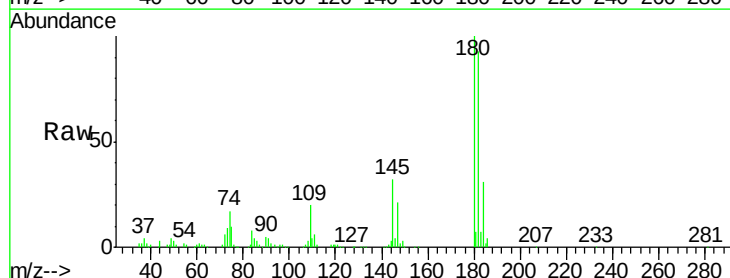
Tgt Ion:180 Resp: 114911

Ion Ratio Lower Upper

180 100

182 92.6 49.0 147.2

145 31.9 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

