

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF022119\
 Data File : VF061695.D
 Acq On : 21 Feb 2019 13:46
 Operator : VA/AP
 Sample : VF0221SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0221SBS01

Quant Time: Feb 22 03:27:20 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	4.87	168	348226	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.60	114	507278	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	435148	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.55	152	251626	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	124243	48.65	ug/l	-0.02
Spiked Amount			Recovery	=	97.30%	
35) Dibromofluoromethane	4.11	113	185484	49.24	ug/l	0.00
Spiked Amount			Recovery	=	98.48%	
50) Toluene-d8	7.55	98	532552	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
62) 4-Bromofluorobenzene	11.41	95	218146	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.97	85	90908	22.733	ug/l	95
3) Chloromethane	1.10	50	85822	20.454	ug/l	99
4) Vinyl Chloride	1.14	62	81310	20.846	ug/l	98
5) Bromomethane	1.32	94	52565	19.581	ug/l	95
6) Chloroethane	1.39	64	37676	19.600	ug/l	93
7) Trichlorofluoromethane	1.49	101	67037	14.249	ug/l	93
8) Diethyl Ether	1.63	74	21632	18.246	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.83	101	64536	19.015	ug/l	99
10) Methyl Iodide	1.90	142	96190	14.837	ug/l	96
11) Tert butyl alcohol	2.58	59	15067	101.952	ug/l	99
12) 1,1-Dichloroethene	1.80	96	57945	19.419	ug/l	97
13) Acrolein	2.00	56	17597	94.740	ug/l	98
14) Allyl chloride	2.10	41	82716	22.590	ug/l	93
15) Acrylonitrile	2.95	53	43049	82.123	ug/l	93
16) Acetone	2.24	43	57063	104.151	ug/l	94
17) Carbon Disulfide	1.84	76	133104	14.191	ug/l	98
18) Methyl Acetate	2.35	43	40001	32.409	ug/l	97
19) Methyl tert-butyl Ether	2.43	73	102277	20.055	ug/l	97
20) Methylene Chloride	2.18	84	25920	6.643	ug/l	93
21) trans-1,2-Dichloroethene	2.31	96	60807	18.746	ug/l	91
22) Diisopropyl ether	2.80	45	174064	19.804	ug/l	96
23) Vinyl Acetate	3.20	43	393833	91.738	ug/l	99
24) 1,1-Dichloroethane	2.87	63	106221	19.970	ug/l	99
25) 2-Butanone	4.34	43	112939	94.371	ug/l	96
26) 2,2-Dichloropropane	3.60	77	48361	21.465	ug/l	93
27) cis-1,2-Dichloroethene	3.48	96	80342	18.870	ug/l	99
28) Bromochloromethane	3.72	49	54268	21.264	ug/l	96
29) Tetrahydrofuran	4.08	42	50660	93.136	ug/l	95
30) Chloroform	3.87	83	120496	19.920	ug/l	97
31) Cyclohexane	3.70	56	117423	20.392	ug/l	97
32) 1,1,1-Trichloroethane	4.09	97	72518	18.301	ug/l	94
36) 1,1-Dichloropropene	4.28	75	94502	18.806	ug/l	94
37) Ethyl Acetate	4.11	43	42080	18.028	ug/l #	83
38) Carbon Tetrachloride	4.08	117	17520	5.049	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	114375	19.245	ug/l	99
40) Benzene	4.64	78	264618	20.132	ug/l	99
41) Methacrylonitrile	4.74	41	22541	18.884	ug/l	97
42) 1,2-Dichloroethane	4.94	62	61649	19.607	ug/l	99
43) Isopropyl Acetate	6.96	43	49136	17.785	ug/l #	97
44) Trichloroethene	5.50	130	78973	18.579	ug/l	99
45) 1,2-Dichloropropane	6.24	63	59791	18.819	ug/l	100
46) Dibromomethane	6.09	93	38313	19.585	ug/l	89
47) Bromodichloromethane	6.39	83	82276	19.206	ug/l	99
48) Methyl methacrylate	6.72	41	29833	17.943	ug/l	91
49) 1,4-Dioxane	6.71	88	5470	349.976	ug/l	96
51) 4-Methyl-2-Pentanone	8.26	43	176508	89.411	ug/l	97
52) Toluene	7.62	92	149188	18.715	ug/l	97
53) t-1,3-Dichloropropene	8.27	75	71405	20.028	ug/l	96
54) cis-1,3-Dichloropropene	7.31	75	93849	19.762	ug/l	96
55) 1,1,2-Trichloroethane	8.49	97	44117	18.836	ug/l	95
56) Ethyl methacrylate	8.62	69	49612	19.025	ug/l	96
57) 1,3-Dichloropropane	8.86	76	71933	18.400	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.30	63	42885	95.317	ug/l	96
59) 2-Hexanone	9.50	43	133640	96.574	ug/l	98
60) Dibromochloromethane	8.72	129	59842	18.356	ug/l	94
61) 1,2-Dibromoethane	8.98	107	47445	18.676	ug/l	95
64) Tetrachloroethene	8.16	164	69951	19.667	ug/l	99
65) Chlorobenzene	9.80	112	175266	19.849	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	65969	19.066	ug/l	98
67) Ethyl Benzene	9.90	91	285803	19.463	ug/l	98
68) m/p-Xylenes	10.13	106	221720	39.452	ug/l	94
69) o-Xylene	10.71	106	121868	20.322	ug/l	91
70) Styrene	10.79	104	168387	19.849	ug/l	100
71) Bromoform	10.77	173	34565	18.396	ug/l	92
73) Isopropylbenzene	11.12	105	343476	19.172	ug/l	97
74) N-amyl acetate	11.37	43	76153	17.710	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.70	83	56478	17.597	ug/l	99
76) 1,2,3-Trichloropropane	11.79	75	39363	18.039	ug/l	95
77) Bromobenzene	11.50	156	85727	19.369	ug/l	94
78) n-propylbenzene	11.60	91	415151	20.194	ug/l	96
79) 2-Chlorotoluene	11.72	91	219645	19.077	ug/l	90
80) 1,3,5-Trimethylbenzene	11.82	105	285615	19.947	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.87	75	23470	22.435	ug/l	95
82) 4-Chlorotoluene	11.90	91	227378	19.027	ug/l	97
83) tert-Butylbenzene	12.13	119	306988	19.357	ug/l	98
84) 1,2,4-Trimethylbenzene	12.21	105	274983	19.331	ug/l	99
85) sec-Butylbenzene	12.31	105	397311	19.373	ug/l	97
86) p-Isopropyltoluene	12.47	119	354457	20.594	ug/l	98
87) 1,3-Dichlorobenzene	12.48	146	167364	19.397	ug/l	96
88) 1,4-Dichlorobenzene	12.56	146	158083	19.051	ug/l	99
89) n-Butylbenzene	12.85	91	338716	20.841	ug/l	95
90) Hexachloroethane	12.92	117	78217	19.540	ug/l	98
91) 1,2-Dichlorobenzene	12.94	146	156274	19.042	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	9542	18.751	ug/l	59

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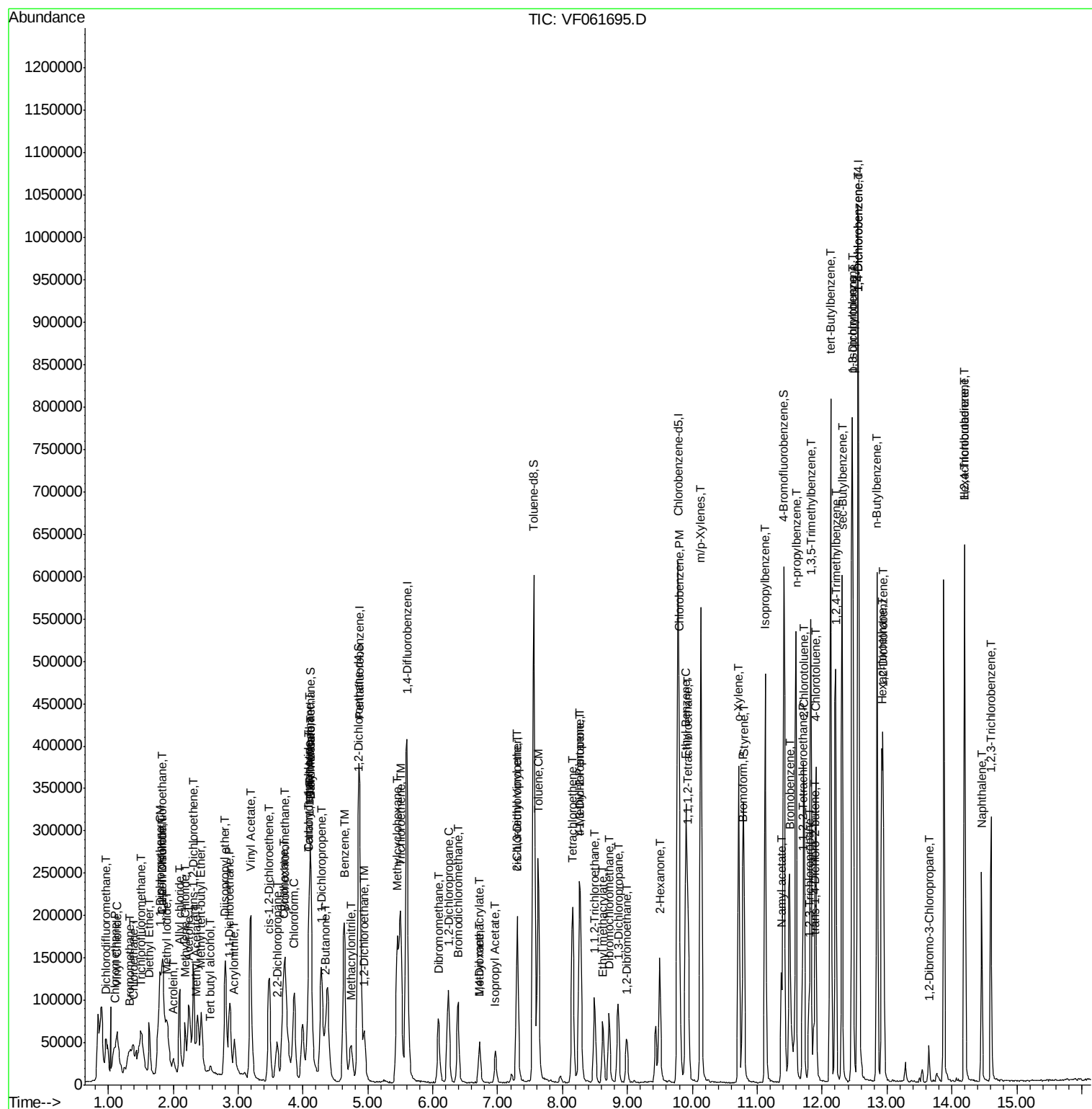
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	113084	19.224	ug/l	97
94) Hexachlorobutadiene	14.19	225	70615	19.437	ug/l	97
95) Naphthalene	14.46	128	179484	17.439	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	98186	18.185	ug/l	100

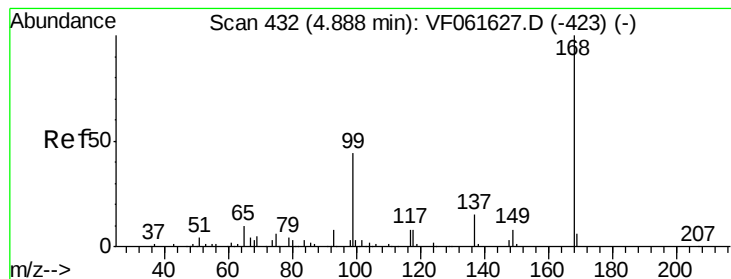
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.02 min

Lab File: VF061695.D

Acq: 21 Feb 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

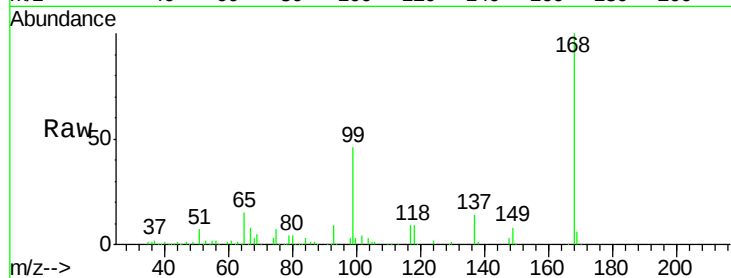
VF0221SBS01

Tot Ion:168 Resp: 348226

Ion Ratio Lower Upper

168 100

99 46.4 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

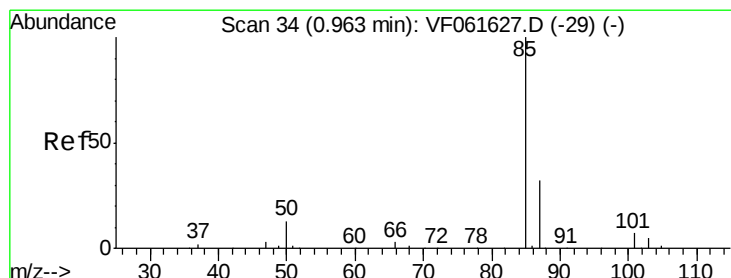
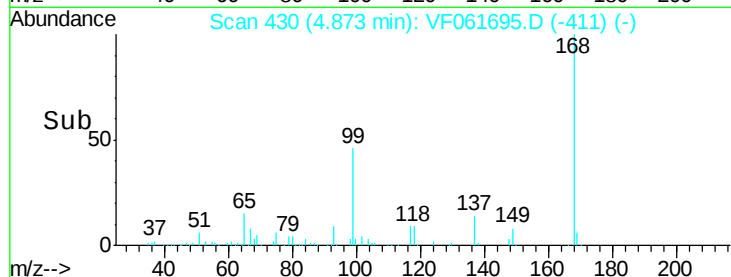
4.87

100000

50000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 22.733 ug/l

RT: 0.97 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF061695.D

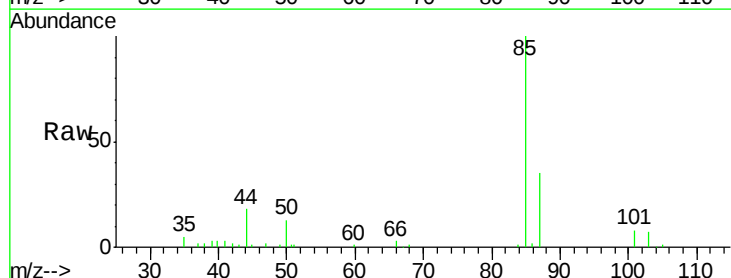
Acq: 21 Feb 2019 13:46

Tgt Ion: 85 Resp: 90908

Ion Ratio Lower Upper

85 100

87 35.0 16.1 48.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

25000

20000

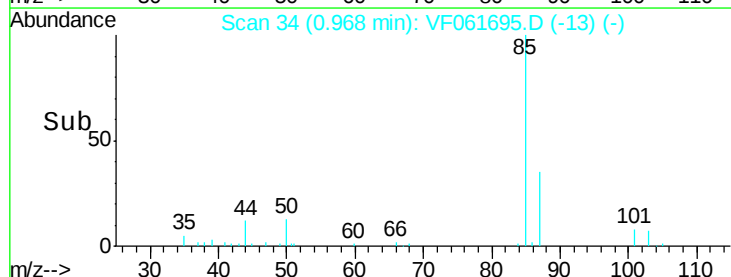
15000

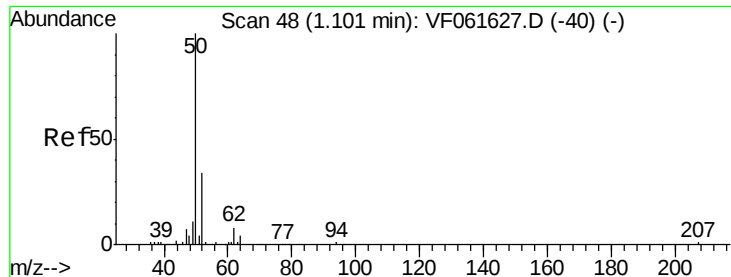
10000

5000

0

Time--> 0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 20.454 ug/l

RT: 1.10 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061695.D

Acq: 21 Feb 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

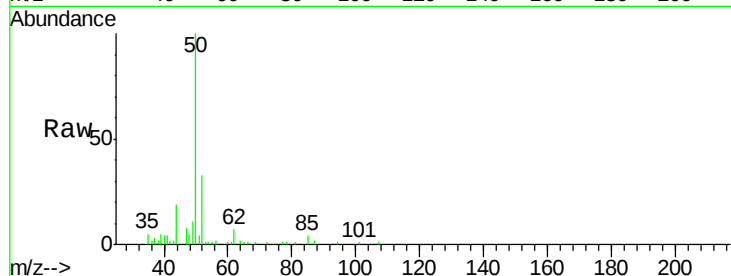
VF0221SBS01

Tot Ion: 50 Resp: 85822

Ion Ratio Lower Upper

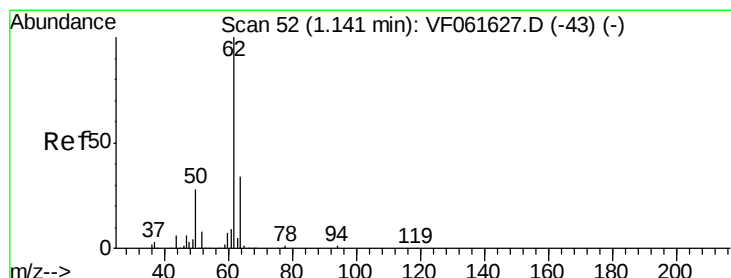
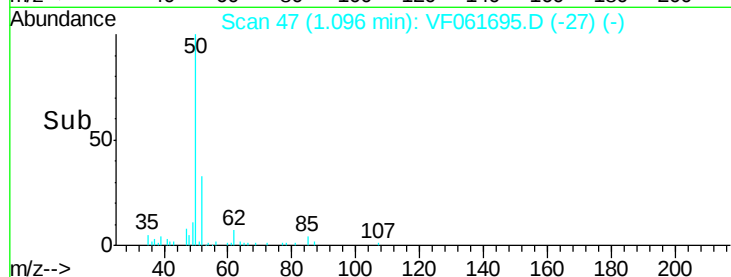
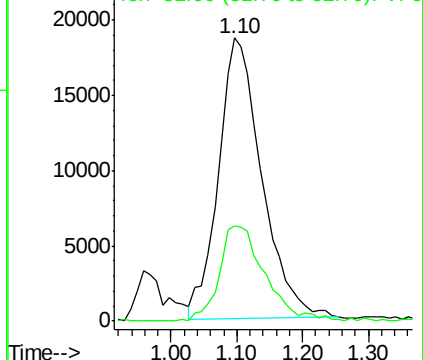
50 100

52 33.4 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: 20.846 ug/l

RT: 1.14 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF061695.D

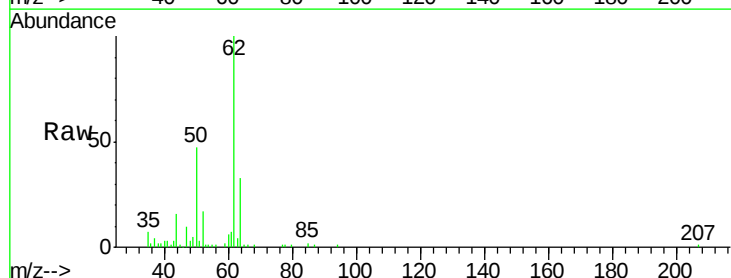
Acq: 21 Feb 2019 13:46

Tgt Ion: 62 Resp: 81310

Ion Ratio Lower Upper

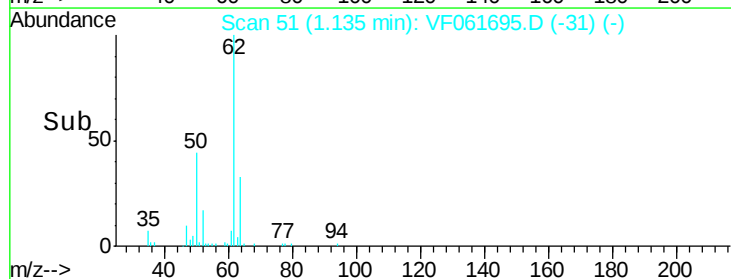
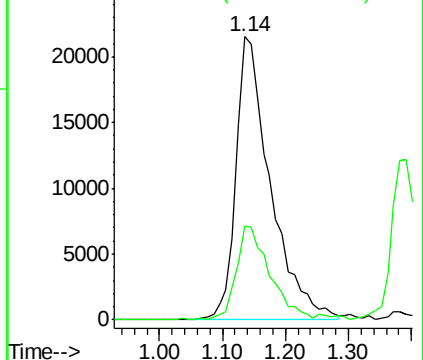
62 100

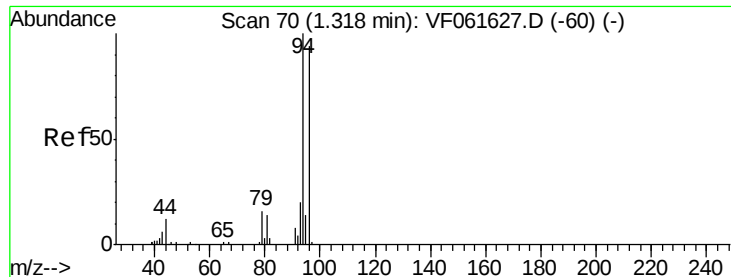
64 33.3 27.5 41.3



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 19.581 ug/l

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VF061695.D

Acq: 21 Feb 2019 13:46

Instrument :

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ClientSampleId :

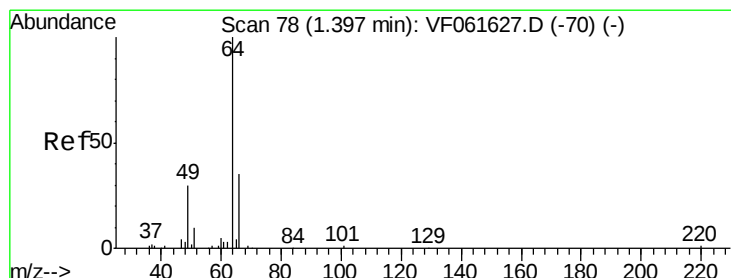
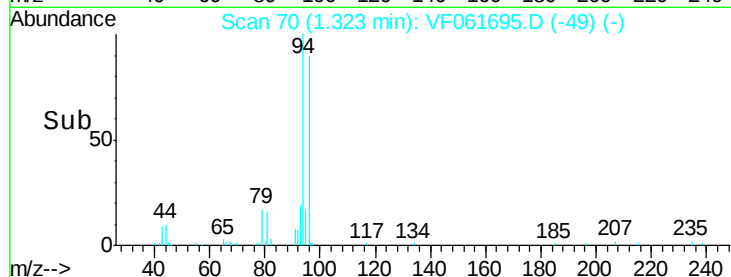
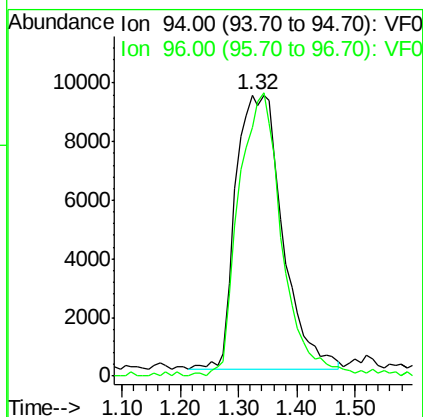
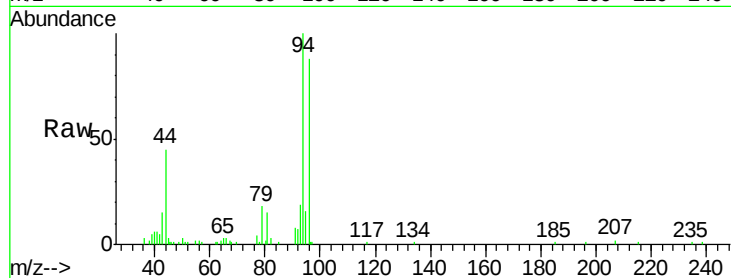
VF0221SBS01

Tot Ion: 94 Resp: 52565

Ion Ratio Lower Upper

94 100

96 88.4 74.6 112.0



#6

Chloroethane

Concen: 19.600 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.01 min

Lab File: VF061695.D

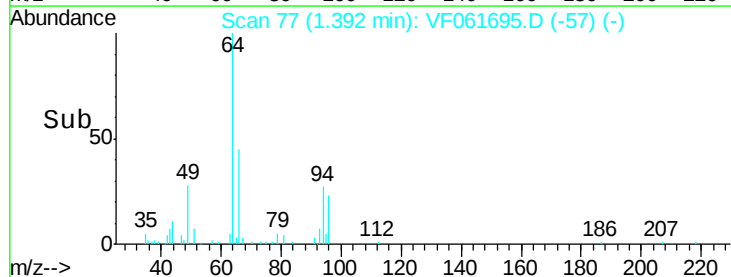
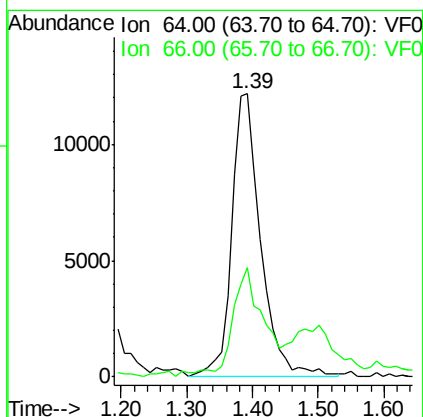
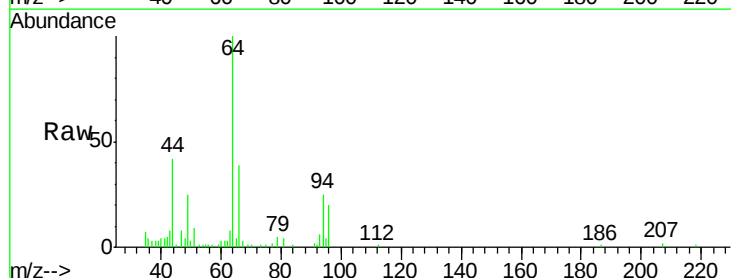
Acq: 21 Feb 2019 13:46

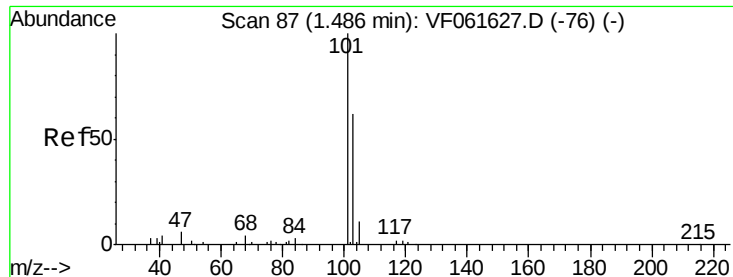
Tgt Ion: 64 Resp: 37676

Ion Ratio Lower Upper

64 100

66 38.7 27.9 41.9



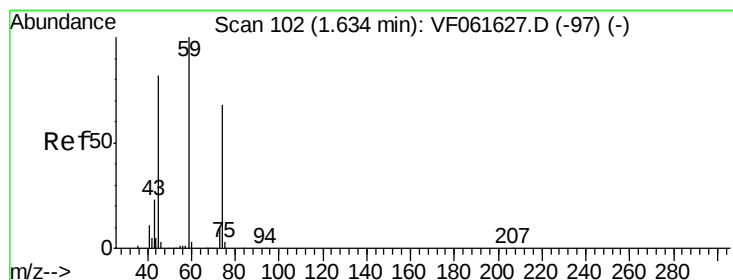
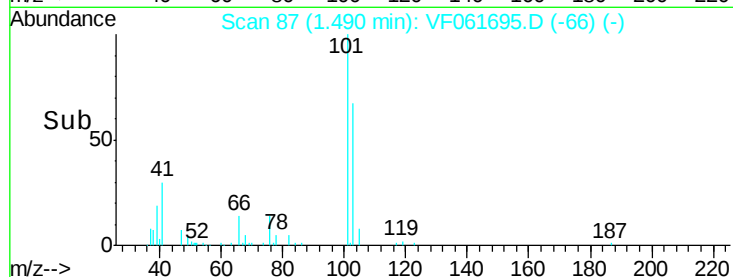
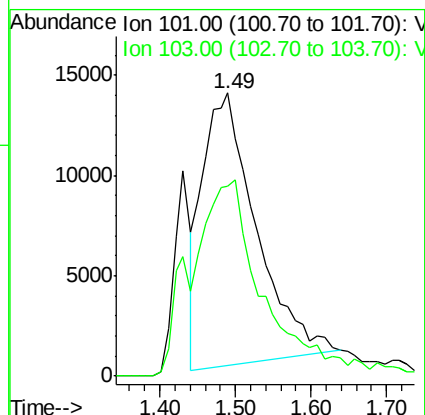
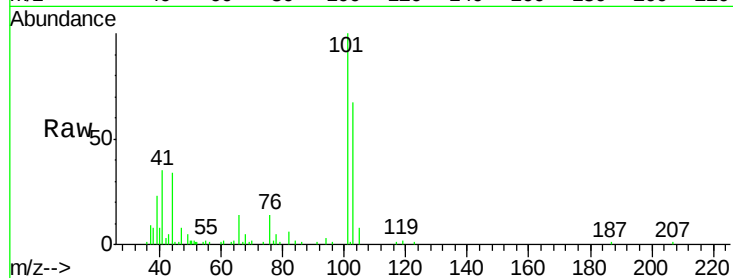


#7

Trichlorofluoromethane
Concen: 14.249 ug/l
RT: 1.49 min Scan# 87
Delta R.T. 0.00 min
Lab File: VF061695.D
Acq: 21 Feb 2019 13:46

Instrument :
MSVOA_F
ClientSampleId :
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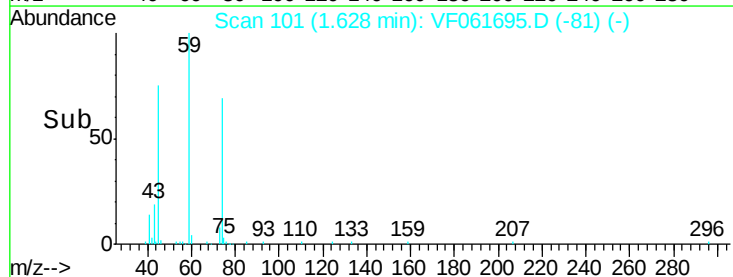
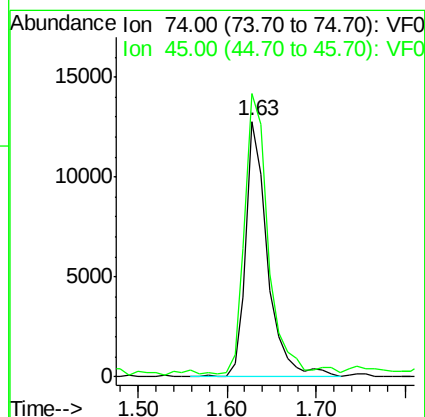
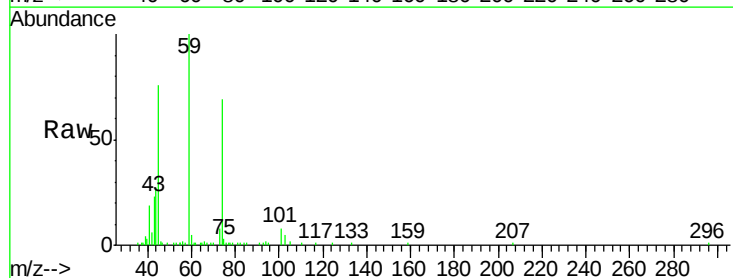
Tot Ion:101 Resp: 67037
Ion Ratio Lower Upper
101 100
103 67.1 49.3 73.9

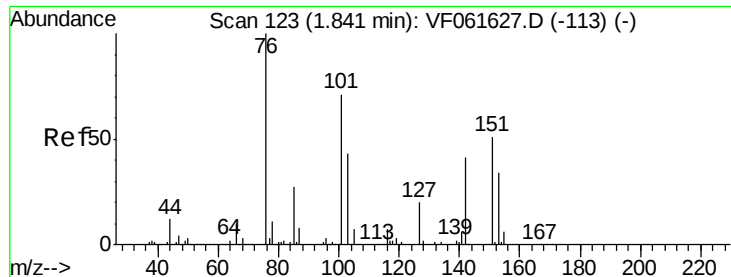


#8

Diethyl Ether
Concen: 18.246 ug/l
RT: 1.63 min Scan# 101
Delta R.T. -0.01 min
Lab File: VF061695.D
Acq: 21 Feb 2019 13:46

Tgt Ion: 74 Resp: 21632
Ion Ratio Lower Upper
74 100
45 110.7 60.8 182.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.015 ug/l

RT: 1.83 min Scan# 121

Delta R.T. -0.02 min

Lab File: VF061695.D

Acq: 21 Feb 2019 13:46

Instrument :

MSVOA_F

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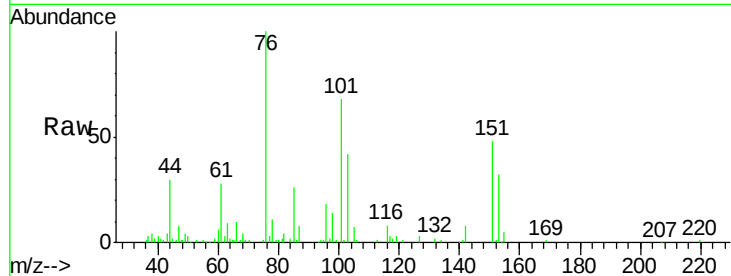
Tot Ion:101 Resp: 64536

Ion Ratio Lower Upper

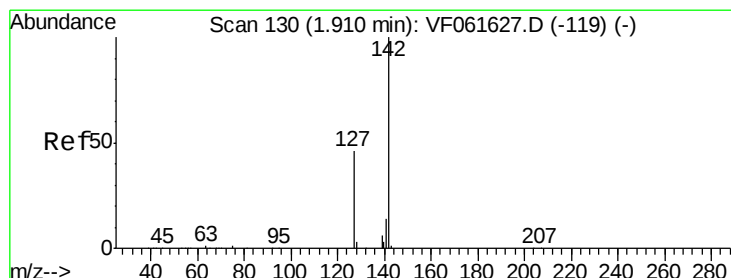
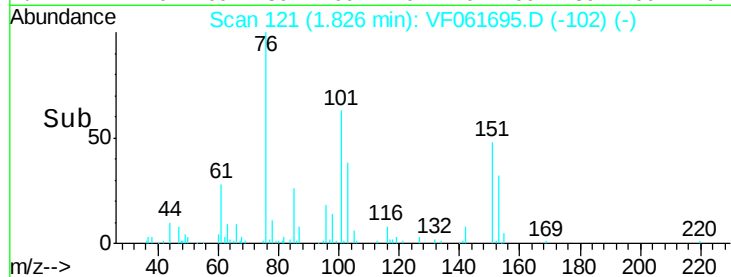
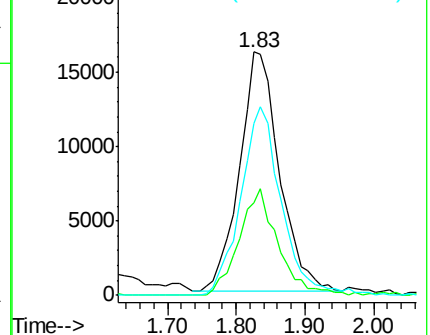
101 100

85 38.0 29.8 44.6

151 70.7 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: 14.837 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.01 min

Lab File: VF061695.D

Acq: 21 Feb 2019 13:46

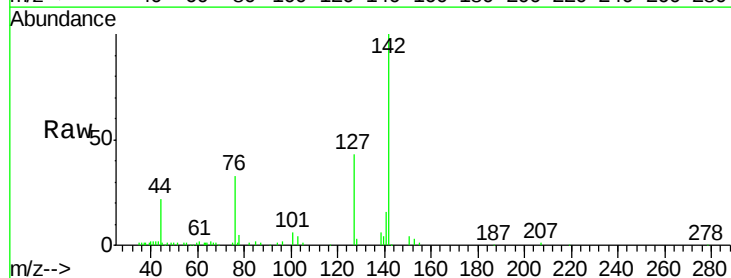
Tgt Ion:142 Resp: 96190

Ion Ratio Lower Upper

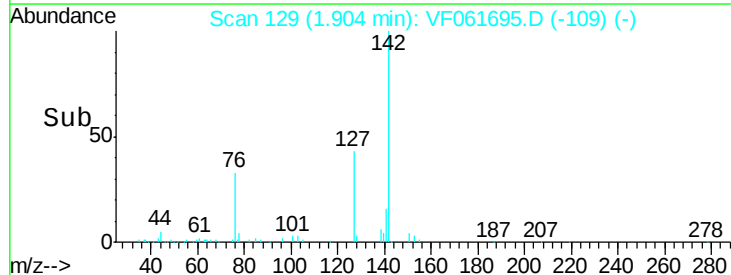
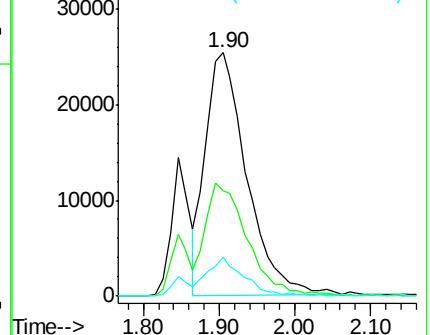
142 100

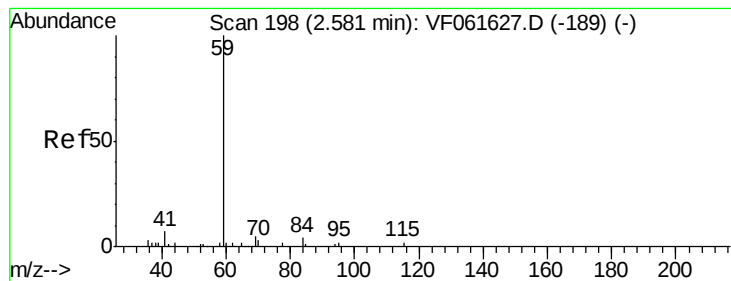
127 43.3 36.6 55.0

141 15.9 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



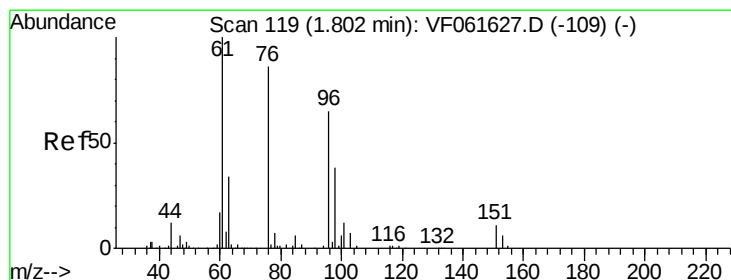
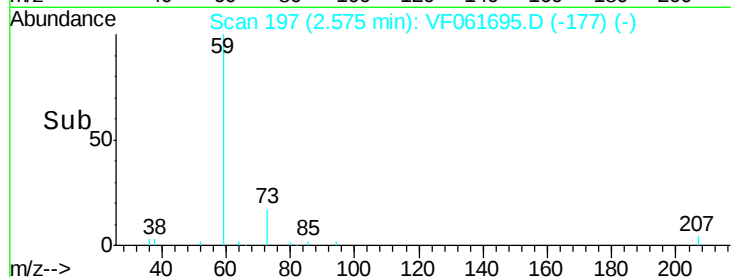
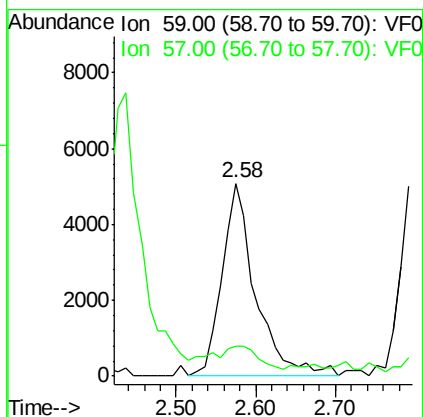
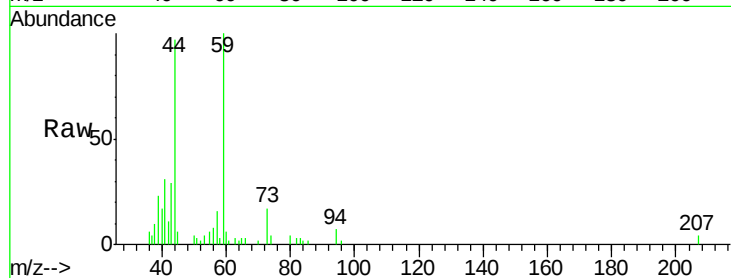


#11

Tert butyl alcohol
Concen: 101.952 ug/l
RT: 2.58 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF061695.D
Acq: 21 Feb 2019 13:46

Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

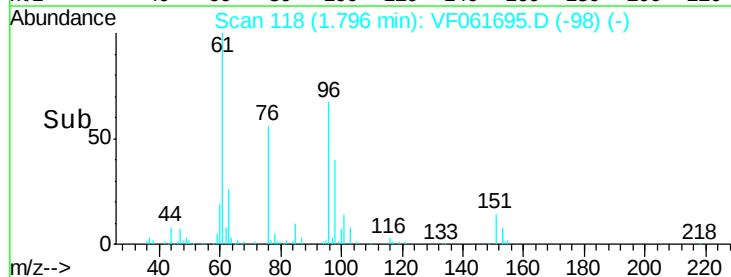
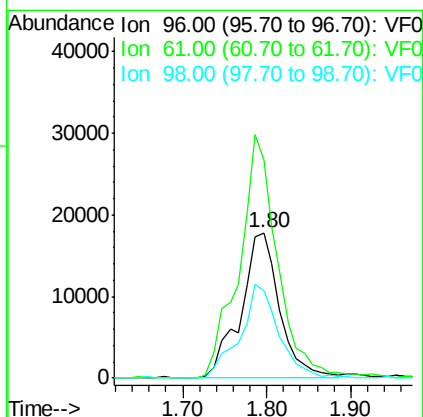
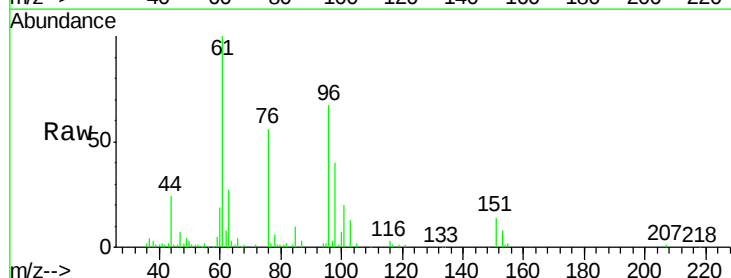
Tot Ion: 59 Resp: 15067
Ion Ratio Lower Upper
59 100
57 15.8 12.5 18.7

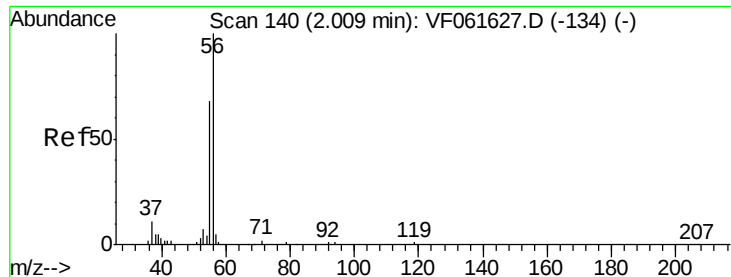


#12

1,1-Dichloroethene
Concen: 19.419 ug/l
RT: 1.80 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF061695.D
Acq: 21 Feb 2019 13:46

Tgt Ion: 96 Resp: 57945
Ion Ratio Lower Upper
96 100
61 149.5 122.6 184.0
98 60.1 47.2 70.8





#13

Acrolein

Concen: 94.740 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF061695.D

Acq: 21 Feb 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

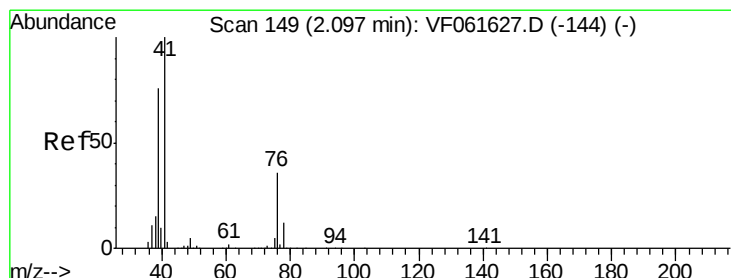
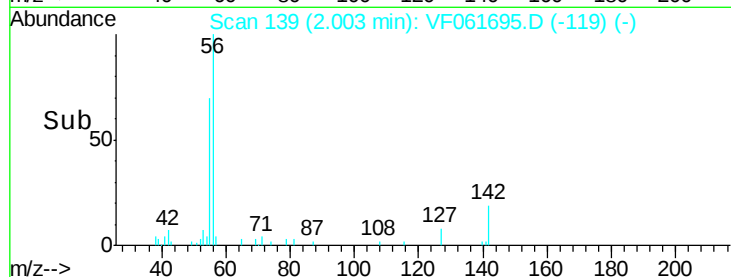
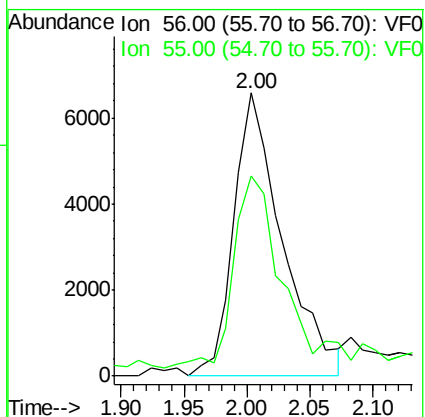
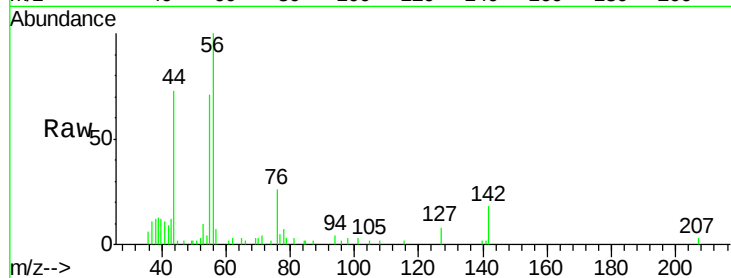
VF0221SBS01

Tot Ion: 56 Resp: 17597

Ion Ratio Lower Upper

56 100

55 70.5 55.0 82.6



#14

Allyl chloride

Concen: 22.590 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.00 min

Lab File: VF061695.D

Acq: 21 Feb 2019 13:46

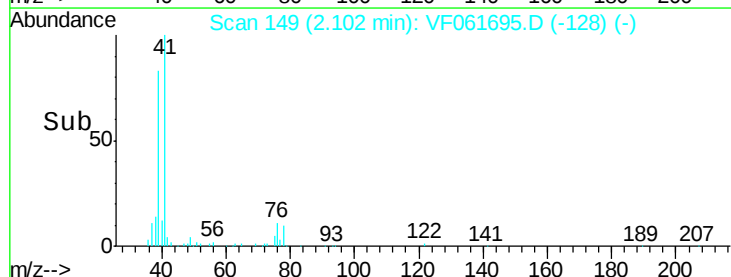
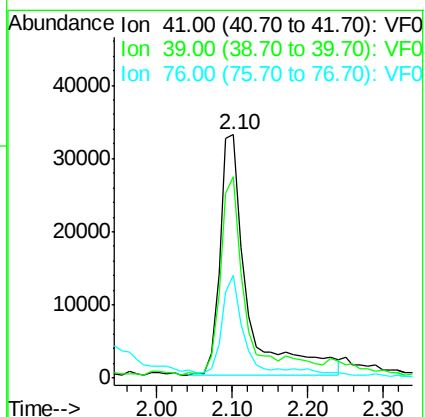
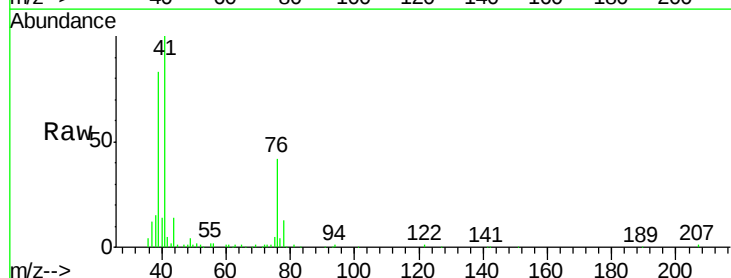
Tgt Ion: 41 Resp: 82716

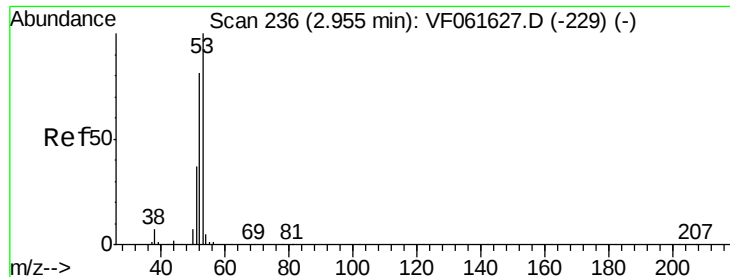
Ion Ratio Lower Upper

41 100

39 82.9 61.6 92.4

76 42.0 30.3 45.5





#15

Acrylonitrile

Concen: 82.123 ug/l

RT: 2.95 min Scan# 235

Delta R.T. -0.01 min

Lab File: VF061695.D

Acq: 21 Feb 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

VF0221SBS01

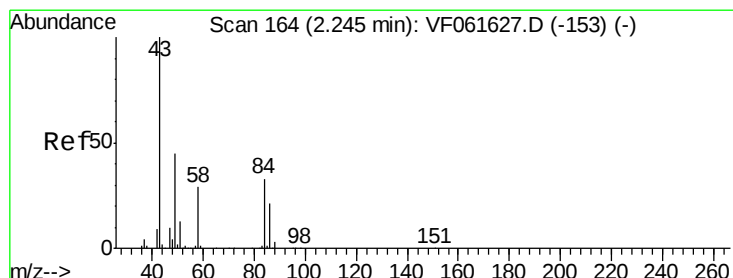
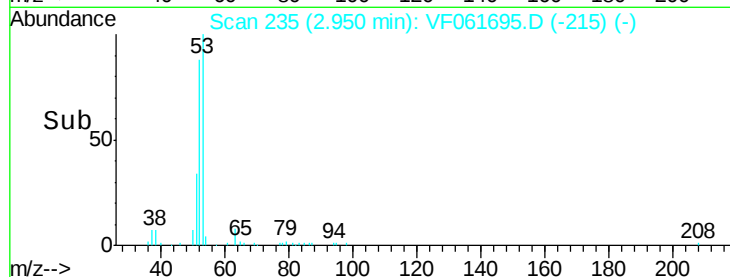
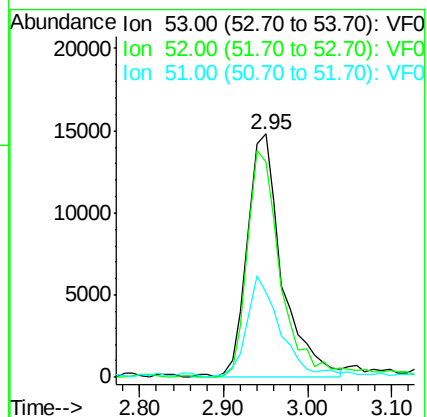
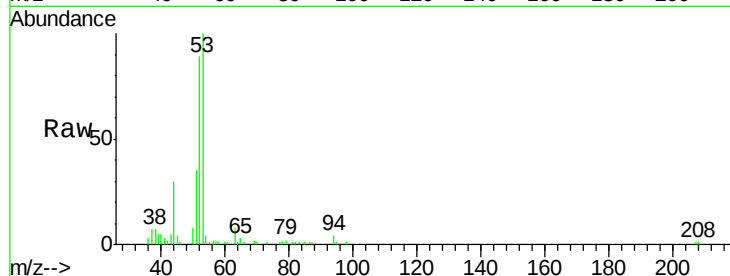
Tot Ion: 53 Resp: 43049

Ion Ratio Lower Upper

53 100

52 88.6 64.6 97.0

51 35.0 29.8 44.8



#16

Acetone

Concen: 104.151 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.01 min

Lab File: VF061695.D

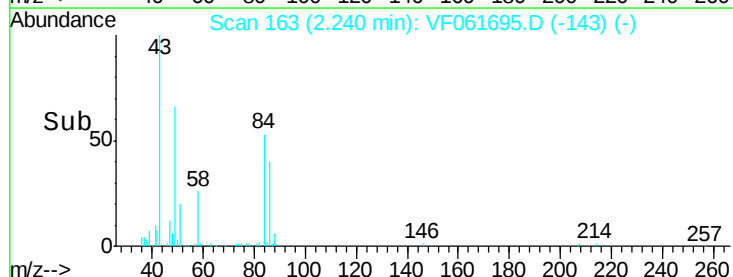
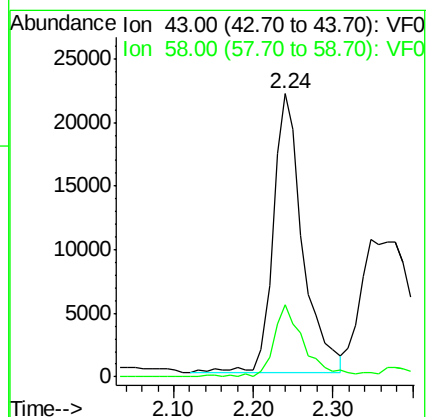
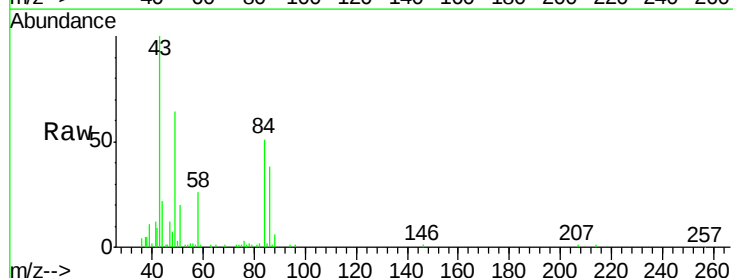
Acq: 21 Feb 2019 13:46

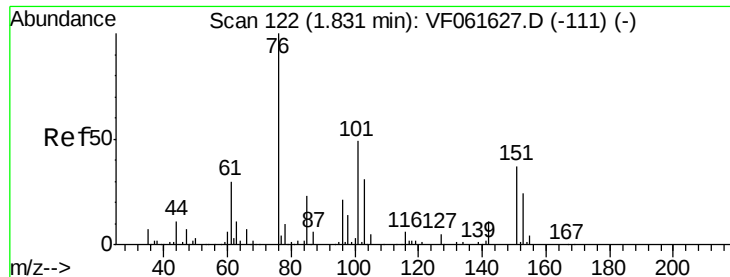
Tgt Ion: 43 Resp: 57063

Ion Ratio Lower Upper

43 100

58 25.6 22.9 34.3

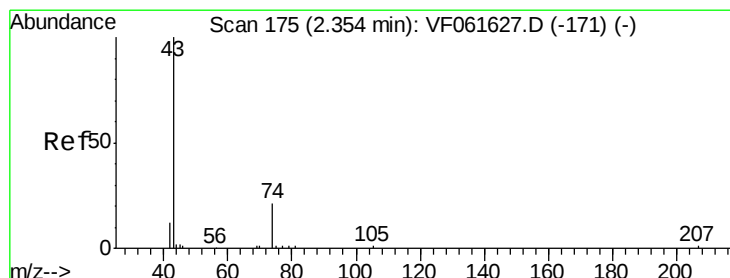
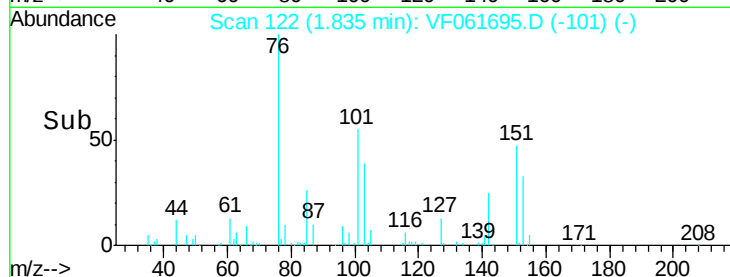
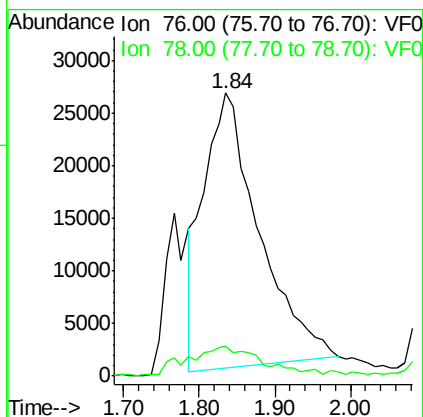
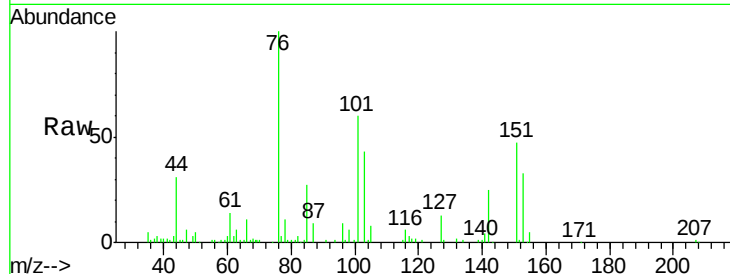




#17
Carbon Disulfide
Concen: 14.191 ug/l
RT: 1.84 min Scan# 122
Delta R.T. 0.00 min
Lab File: VF061695.D
Acq: 21 Feb 2019 13:46

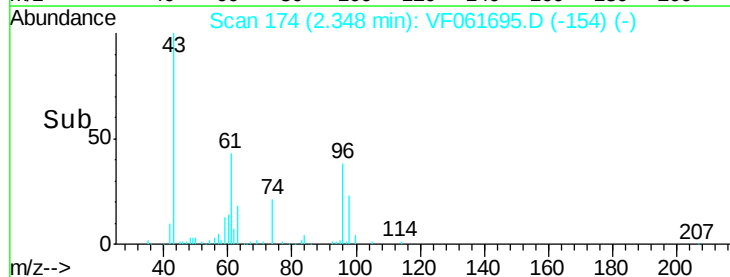
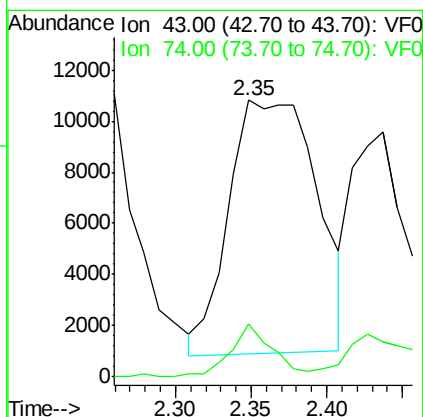
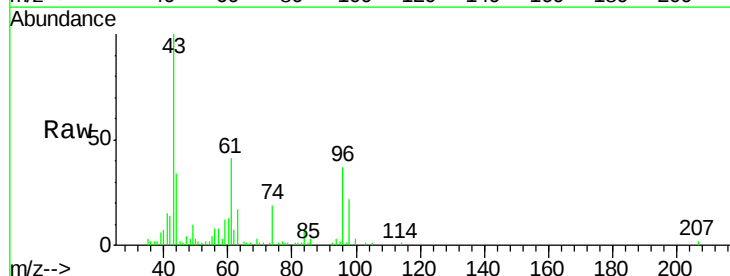
Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

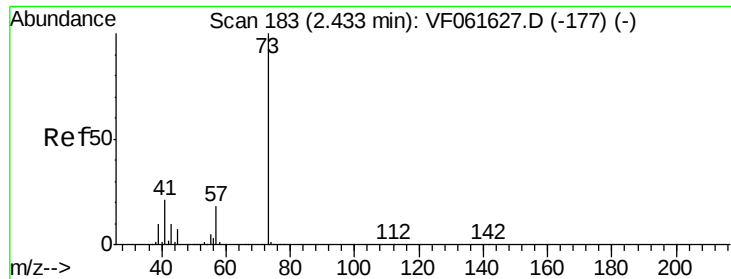
Tot Ion: 76 Resp: 133104
Ion Ratio Lower Upper
76 100
78 10.7 7.9 11.9



#18
Methyl Acetate
Concen: 32.409 ug/l
RT: 2.35 min Scan# 174
Delta R.T. -0.01 min
Lab File: VF061695.D
Acq: 21 Feb 2019 13:46

Tgt Ion: 43 Resp: 40001
Ion Ratio Lower Upper
43 100
74 19.3 14.6 21.8

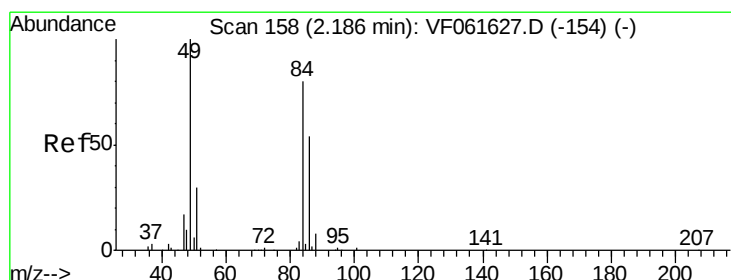
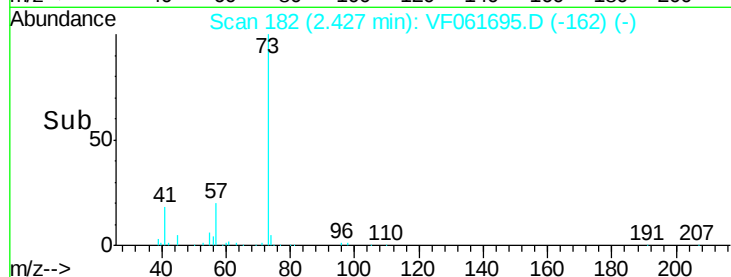
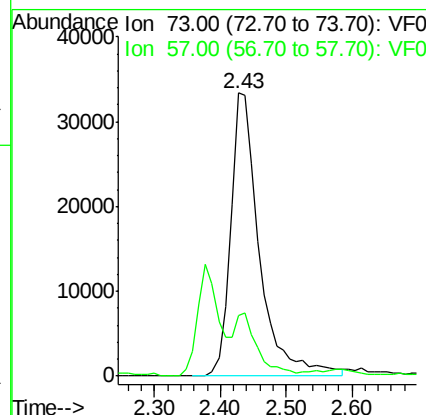
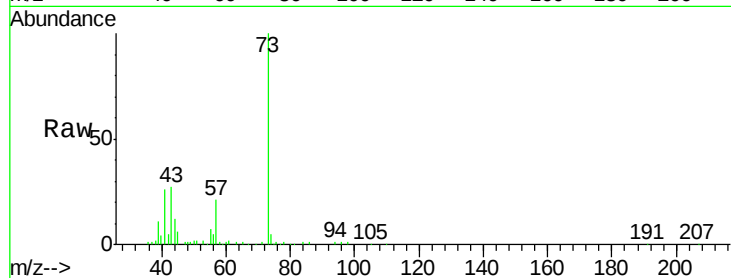




#19
Methvl tert-butvl Ether
Concen: 20.055 ug/l
RT: 2.43 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF061695.D
Acq: 21 Feb 2019 13:46

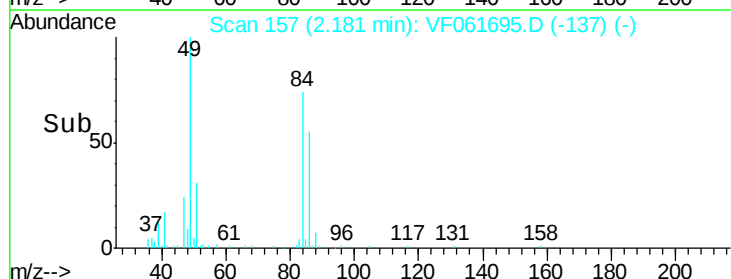
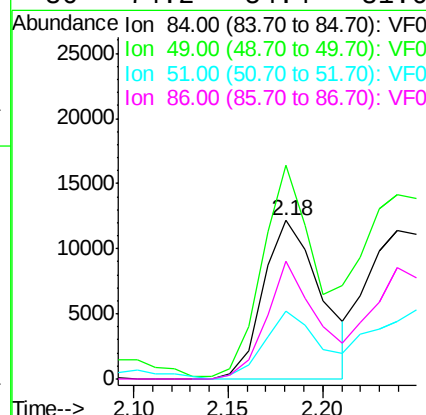
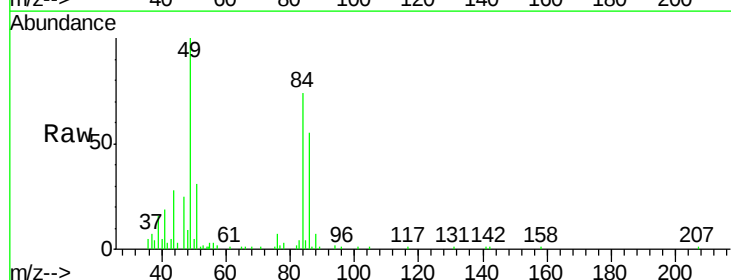
Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

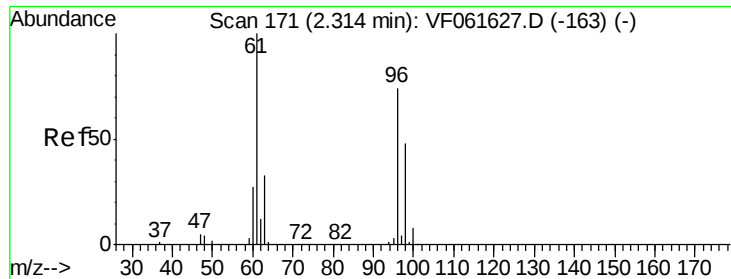
Tot Ion: 73 Resp: 102277
Ion Ratio Lower Upper
73 100
57 21.2 15.8 23.8



#20
Methylene Chloride
Concen: 6.643 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF061695.D
Acq: 21 Feb 2019 13:46

Tgt Ion: 84 Resp: 25920
Ion Ratio Lower Upper
84 100
49 134.6 101.8 152.8
51 42.4 31.1 46.7
86 74.2 54.4 81.6





#21

trans-1,2-Dichloroethene

Concen: 18.746 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF061695.D

Acq: 21 Feb 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

VF0221SBS01

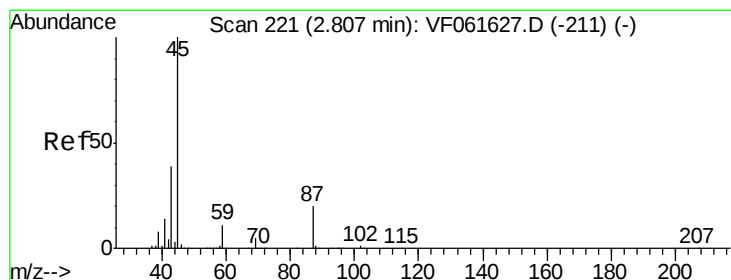
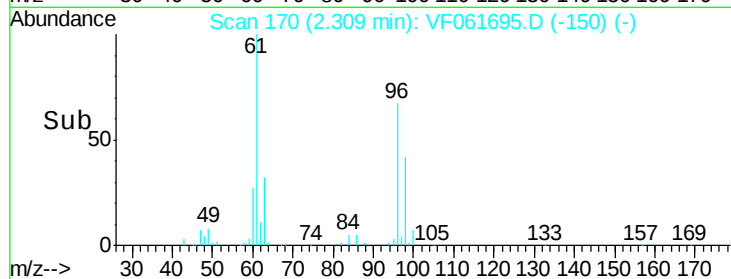
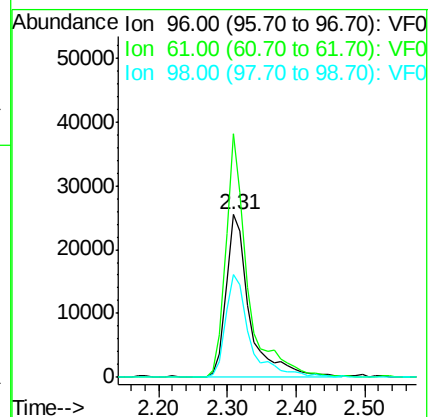
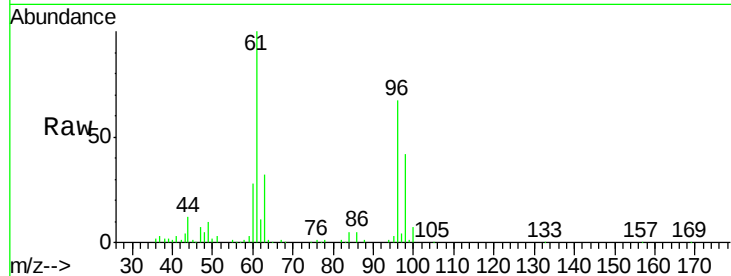
Tot Ion: 96 Resp: 60807

Ion Ratio Lower Upper

96 100

61 149.6 108.2 162.4

98 62.8 52.2 78.2



#22

Diisopropyl ether

Concen: 19.804 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.01 min

Lab File: VF061695.D

Acq: 21 Feb 2019 13:46

Tgt Ion: 45 Resp: 174064

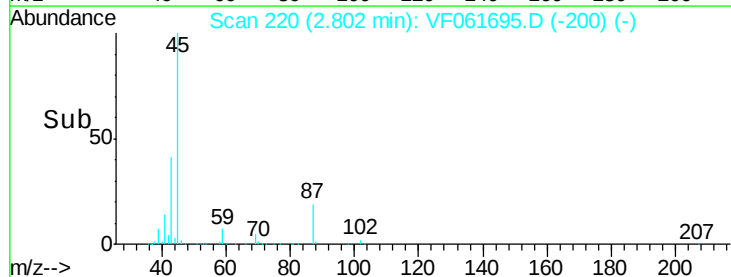
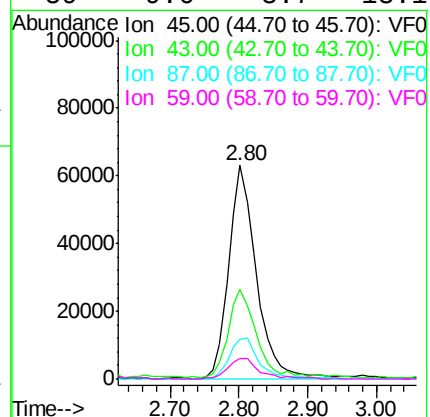
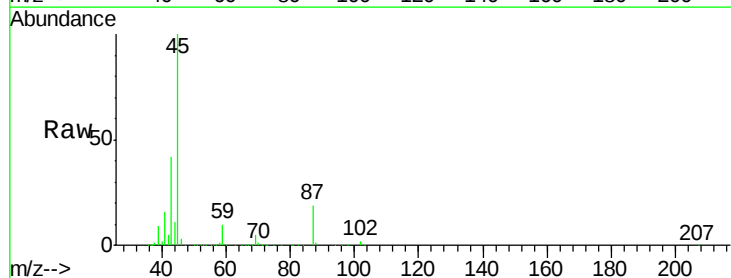
Ion Ratio Lower Upper

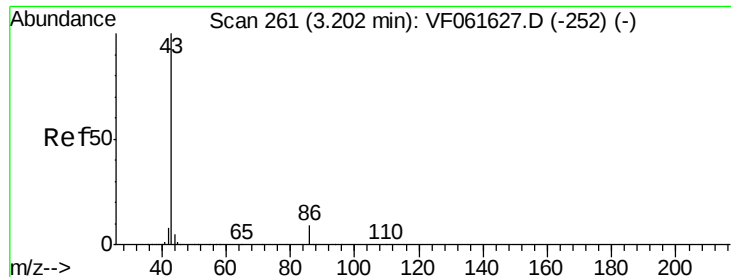
45 100

43 42.0 31.4 47.2

87 18.6 16.3 24.5

59 9.6 8.7 13.1





#23

Vinyl Acetate

Concen: 91.738 ug/l

RT: 3.20 min Scan# 260

Delta R.T. -0.01 min

Lab File: VF061695.D

Acq: 21 Feb 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

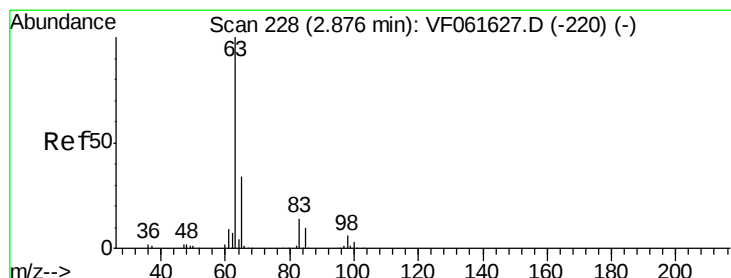
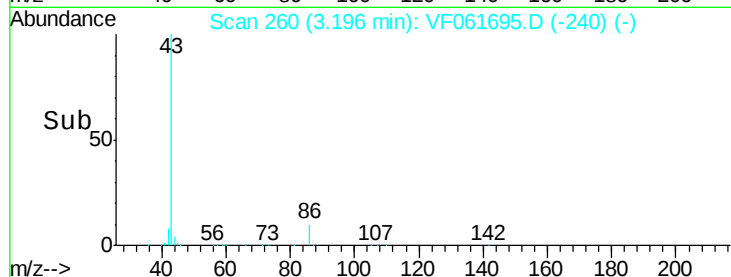
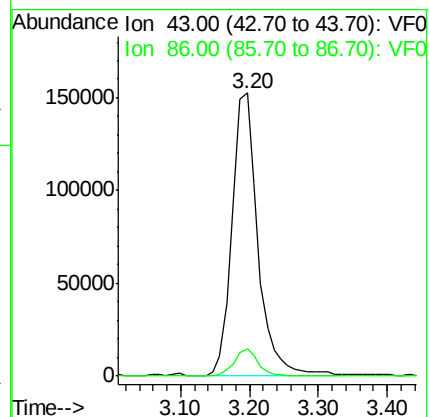
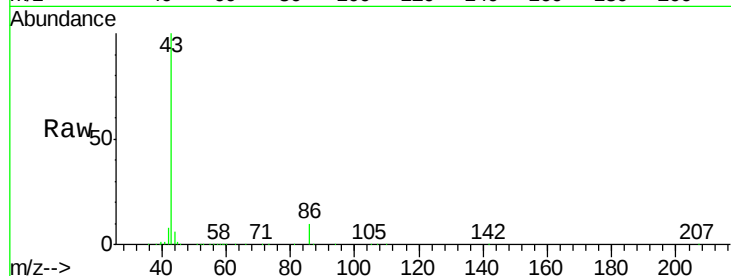
VF0221SBS01

Tot Ion: 43 Resp: 393833

Ion Ratio Lower Upper

43 100

86 9.7 7.5 11.3



#24

1,1-Dichloroethane

Concen: 19.970 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.01 min

Lab File: VF061695.D

Acq: 21 Feb 2019 13:46

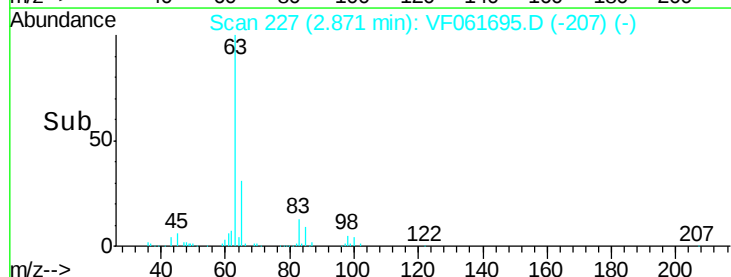
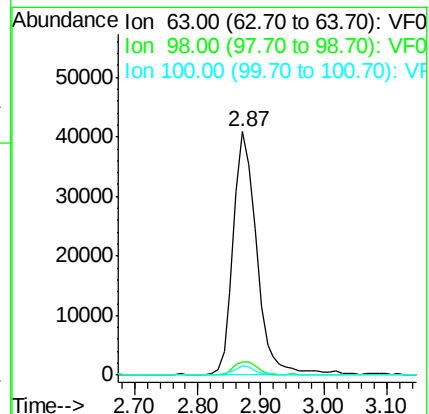
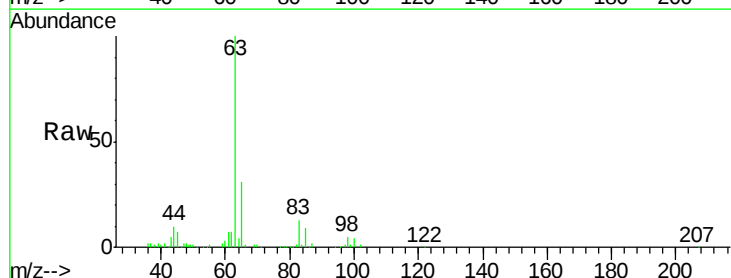
Tgt Ion: 63 Resp: 106221

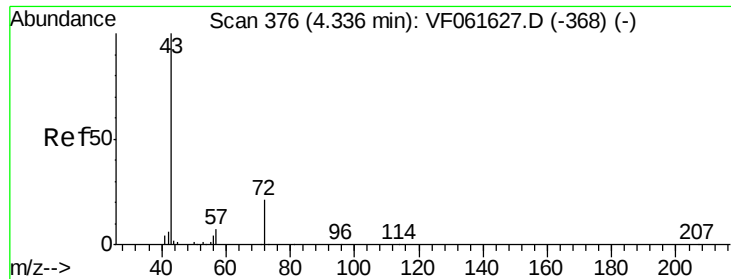
Ion Ratio Lower Upper

63 100

98 5.4 2.8 8.3

100 4.1 1.8 5.4





#25

2-Butanone

Concen: 94.371 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.00 min

Lab File: VF061695.D

Acq: 21 Feb 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

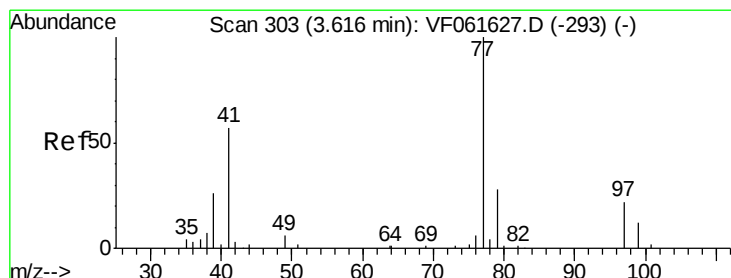
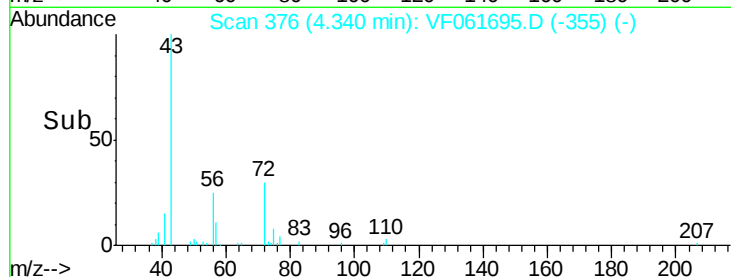
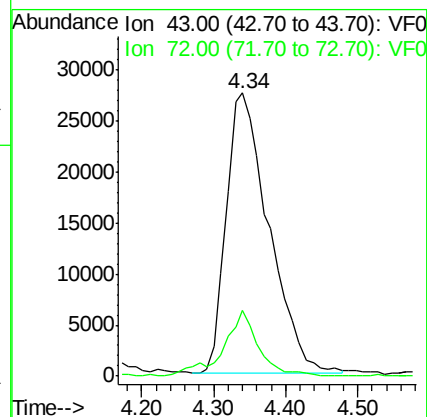
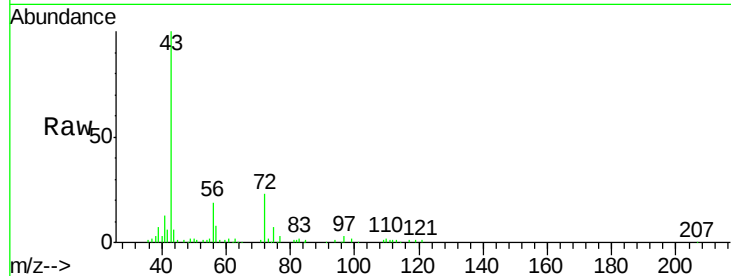
VF0221SBS01

Tot Ion: 43 Resp: 112939

Ion Ratio Lower Upper

43 100

72 23.4 17.1 25.7



#26

2,2-Dichloropropane

Concen: 21.465 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.02 min

Lab File: VF061695.D

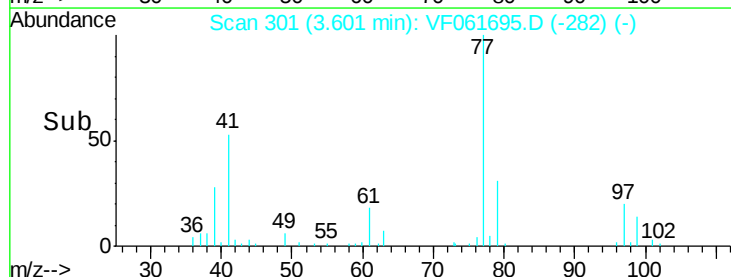
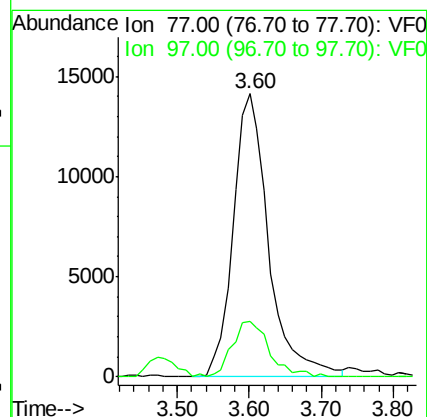
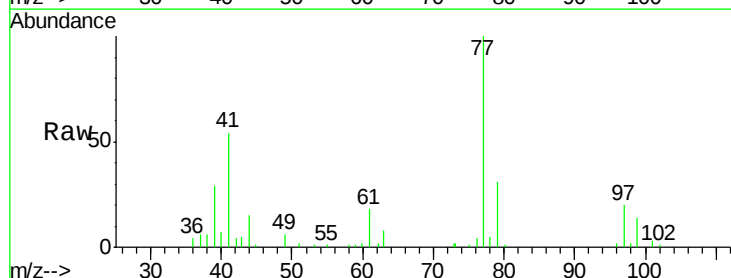
Acq: 21 Feb 2019 13:46

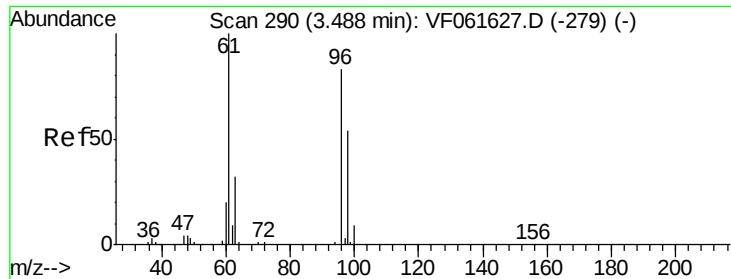
Tgt Ion: 77 Resp: 48361

Ion Ratio Lower Upper

77 100

97 19.7 11.7 35.0



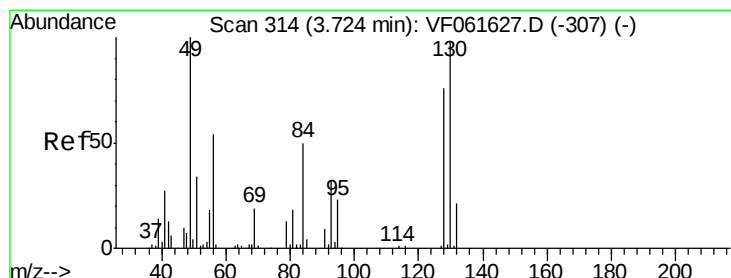
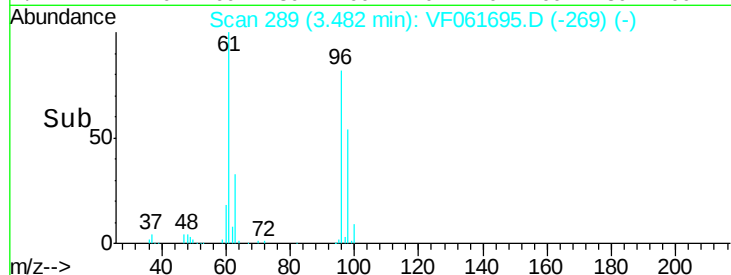
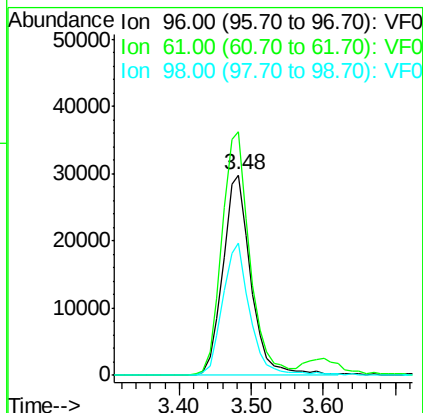
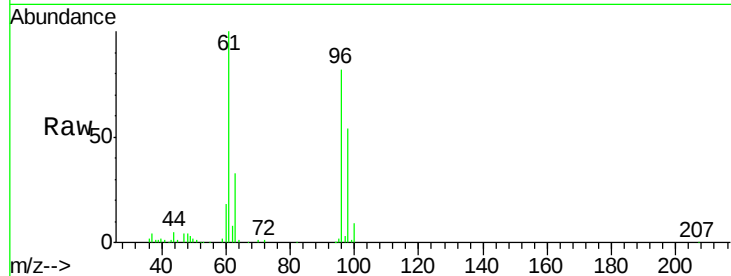


#27

cis-1,2-Dichloroethene
 Concen: 18.870 ug/l
 RT: 3.48 min Scan# 289
 Delta R.T. -0.01 min
 Lab File: VF061695.D
 Acq: 21 Feb 2019 13:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0221SBS01

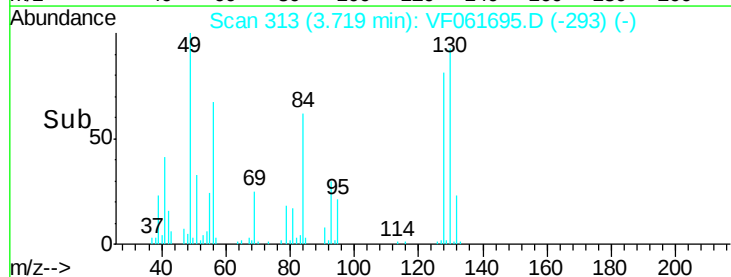
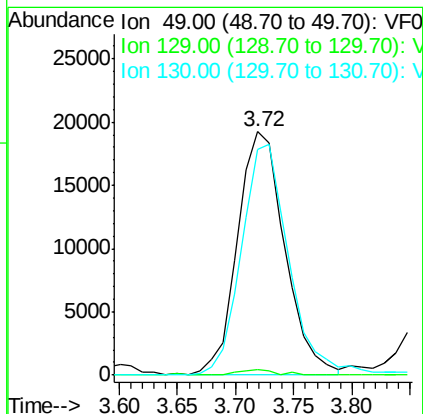
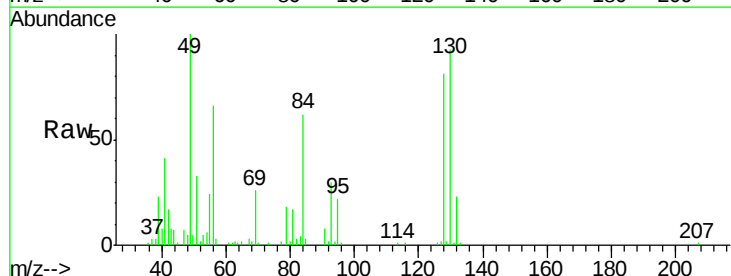
Tot Ion: 96 Resp: 80342
 Ion Ratio Lower Upper
 96 100
 61 121.4 0.0 241.6
 98 66.1 0.0 130.2

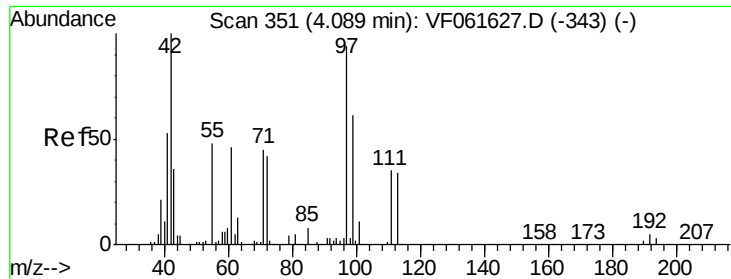


#28

Bromochloromethane
 Concen: 21.264 ug/l
 RT: 3.72 min Scan# 313
 Delta R.T. -0.01 min
 Lab File: VF061695.D
 Acq: 21 Feb 2019 13:46

Tgt Ion: 49 Resp: 54268
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 3.4
 130 92.9 77.7 116.5

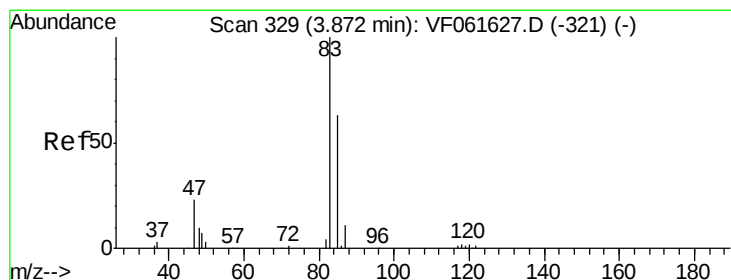
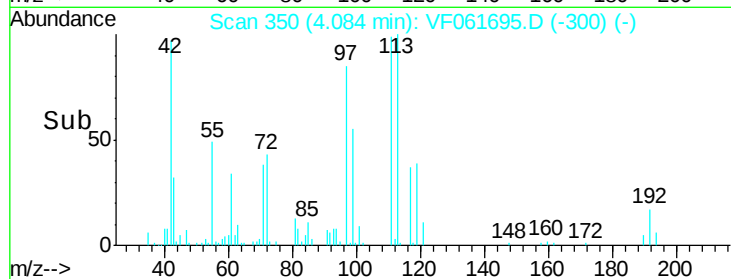
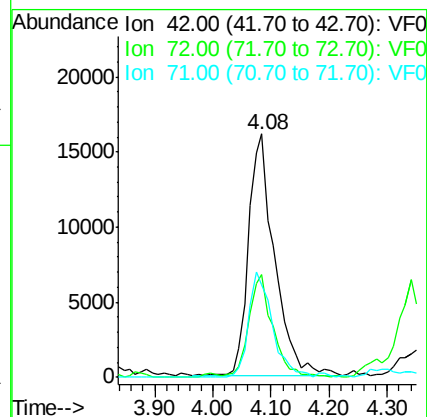
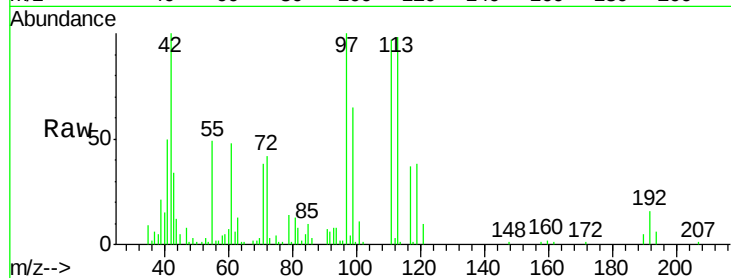




#29
Tetrahydrofuran
Concen: 93.136 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.01 min
Lab File: VF061695.D
Acq: 21 Feb 2019 13:46

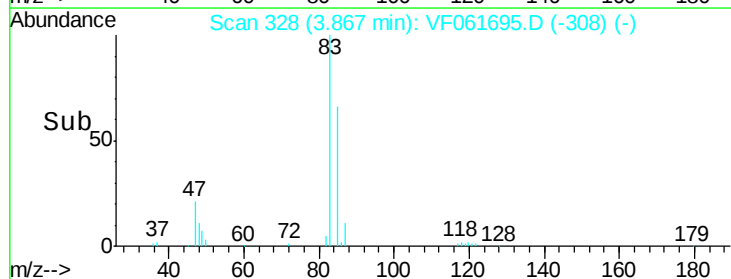
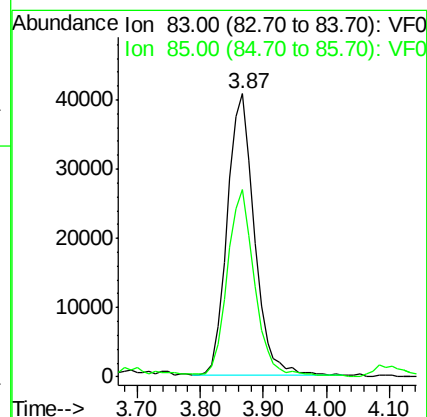
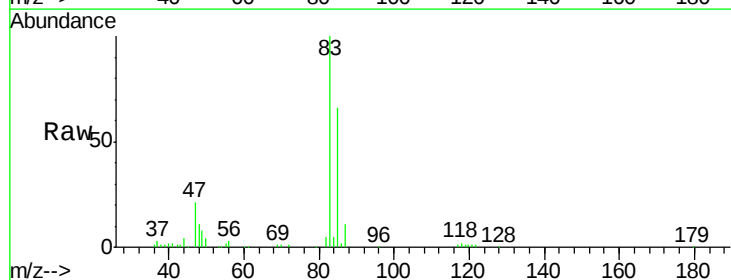
Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

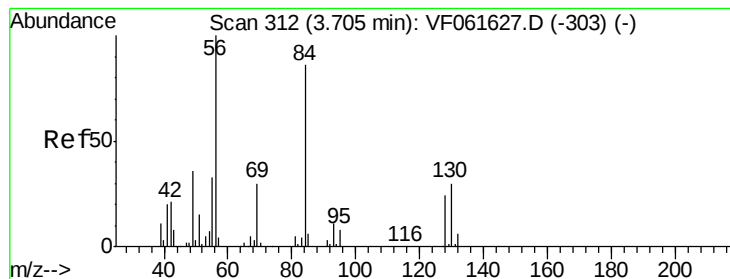
Tot Ion: 42 Resp: 50660
Ion Ratio Lower Upper
42 100
72 39.0 35.2 52.8
71 39.5 32.9 49.3



#30
Chloroform
Concen: 19.920 ug/l
RT: 3.87 min Scan# 328
Delta R.T. -0.01 min
Lab File: VF061695.D
Acq: 21 Feb 2019 13:46

Tgt Ion: 83 Resp: 120496
Ion Ratio Lower Upper
83 100
85 66.4 51.1 76.7





#31

Cyclohexane

Concen: 20.392 ug/l

RT: 3.70 min Scan# 311

Delta R.T. -0.01 min

Lab File: VF061695.D

Acq: 21 Feb 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

VF0221SBS01

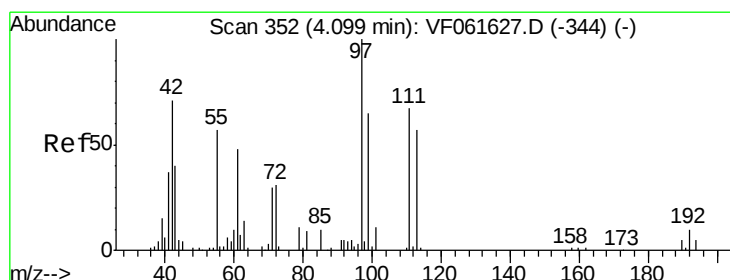
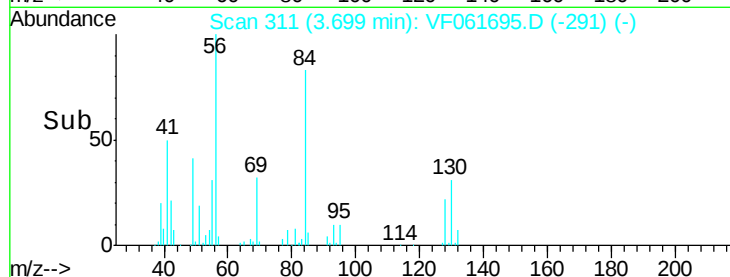
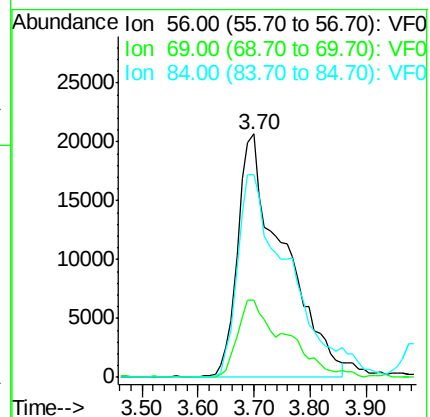
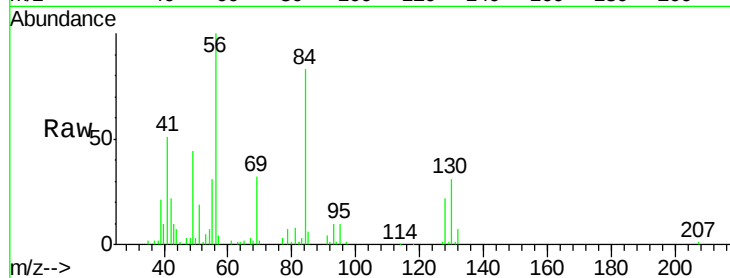
Tot Ion: 56 Resp: 117423

Ion Ratio Lower Upper

56 100

69 31.7 23.8 35.8

84 83.5 68.6 103.0



#32

1,1,1-Trichloroethane

Concen: 18.301 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.01 min

Lab File: VF061695.D

Acq: 21 Feb 2019 13:46

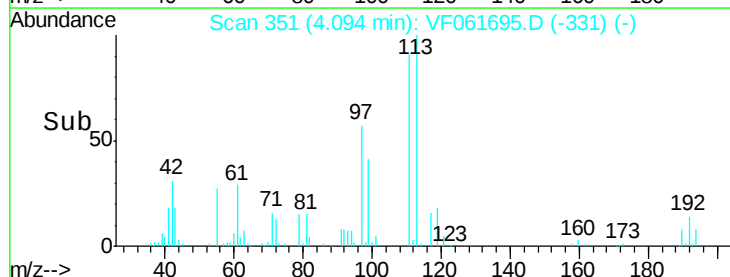
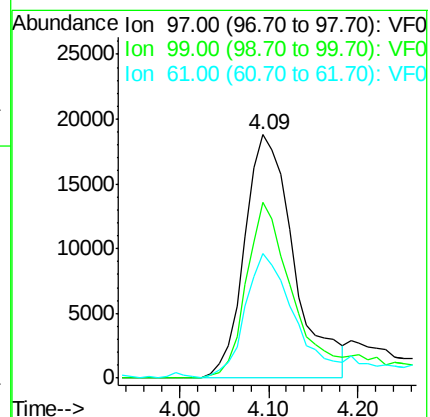
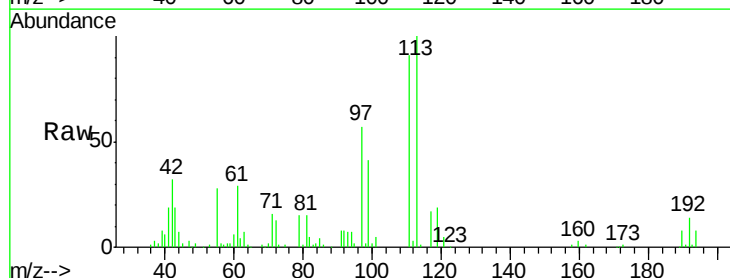
Tgt Ion: 97 Resp: 72518

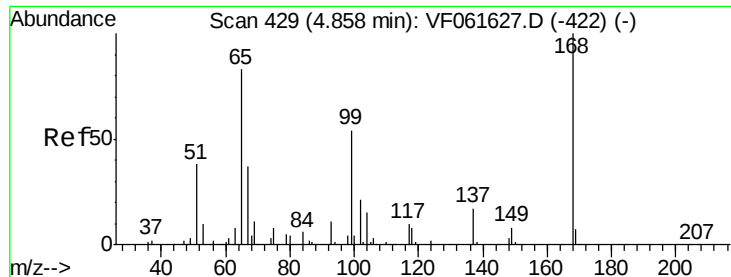
Ion Ratio Lower Upper

97 100

99 72.2 52.2 78.2

61 51.2 39.2 58.8

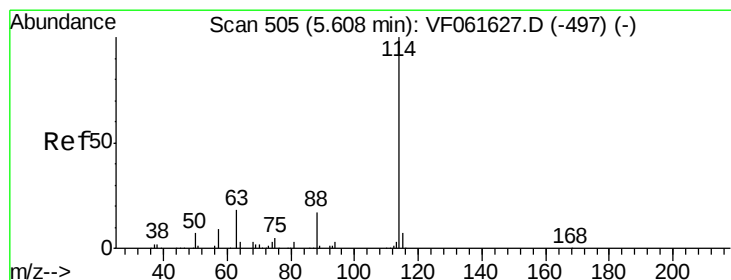
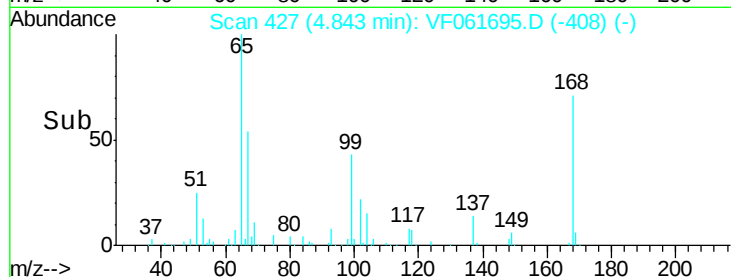
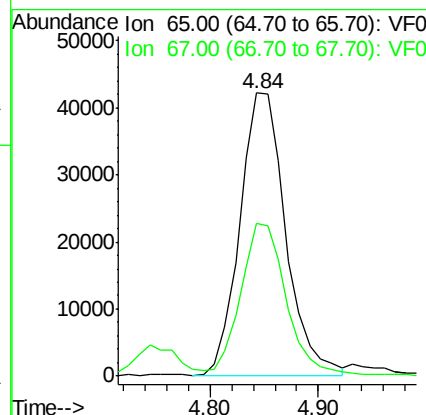
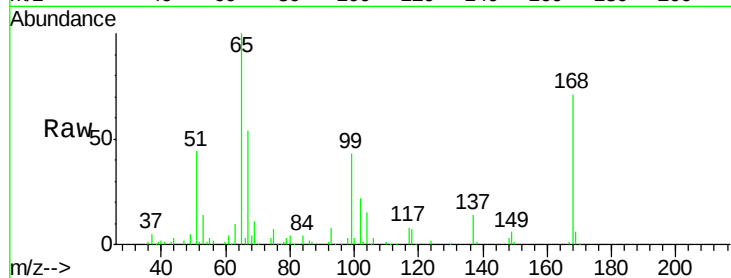




#33
 1,2-Dichloroethane-d4
 Concen: 48.654 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.02 min
 Lab File: VF061695.D
 Acq: 21 Feb 2019 13:46

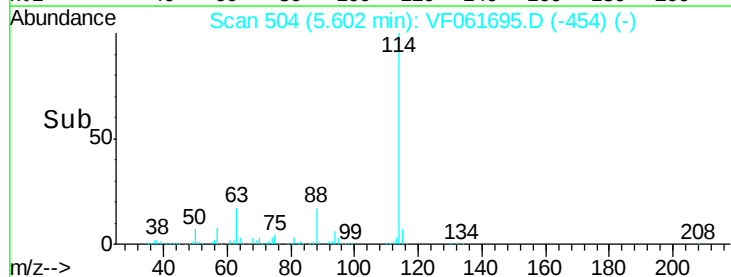
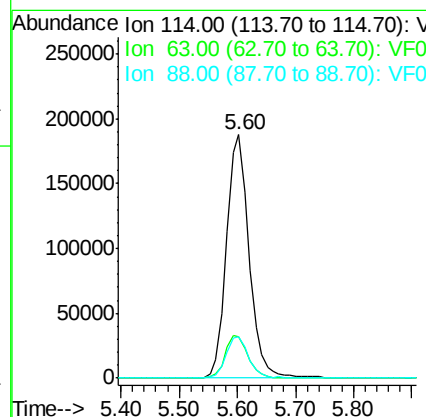
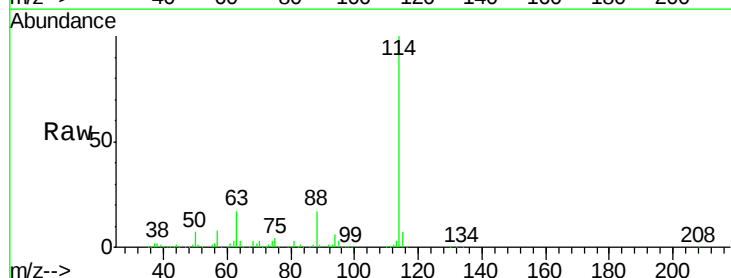
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0221SBS01

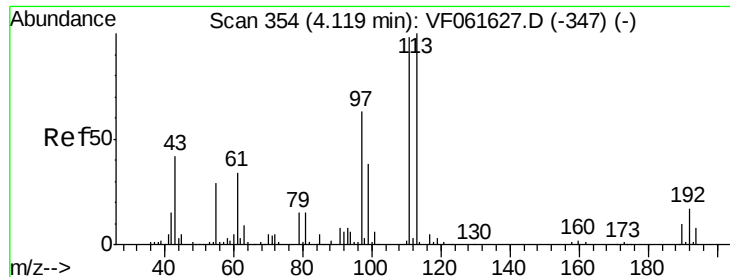
Tot Ion: 65 Resp: 124243
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.01 min
 Lab File: VF061695.D
 Acq: 21 Feb 2019 13:46

Tgt Ion: 114 Resp: 507278
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 36.6
 88 16.9 0.0 34.4





#35

Dibromofluoromethane

Concen: 49.238 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF061695.D

Acq: 21 Feb 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

VF0221SBS01

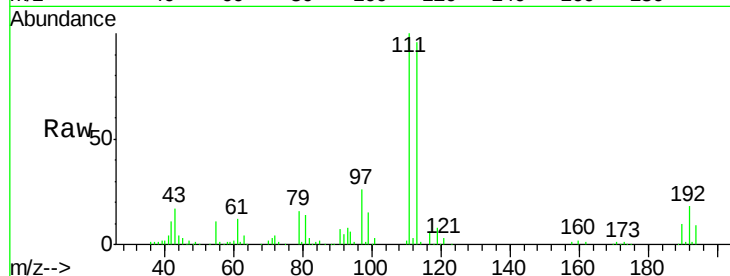
Tot Ion:113 Resp: 185484

Ion Ratio Lower Upper

113 100

111 104.1 78.8 118.2

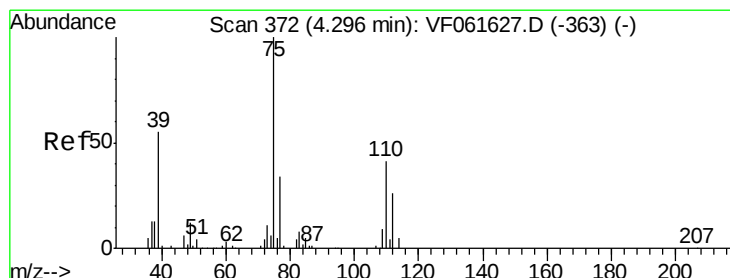
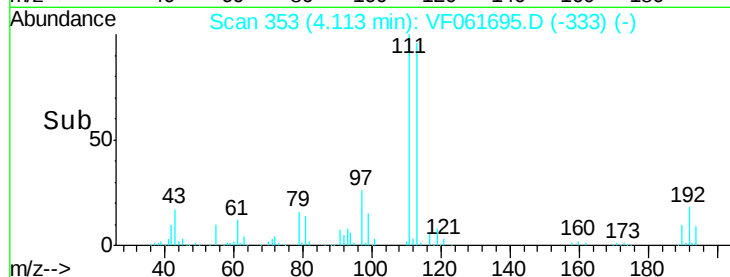
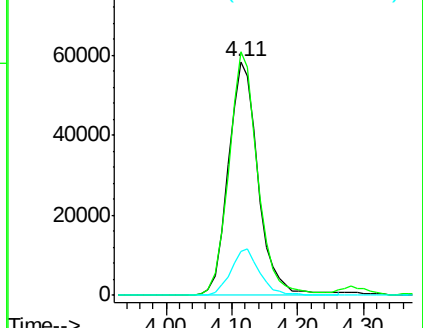
192 19.5 13.4 20.0



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: 18.806 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.02 min

Lab File: VF061695.D

Acq: 21 Feb 2019 13:46

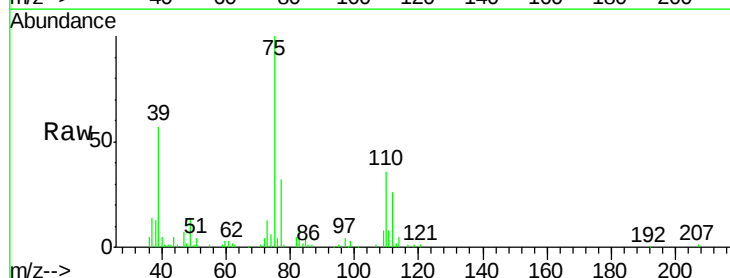
Tgt Ion: 75 Resp: 94502

Ion Ratio Lower Upper

75 100

110 35.5 20.5 61.6

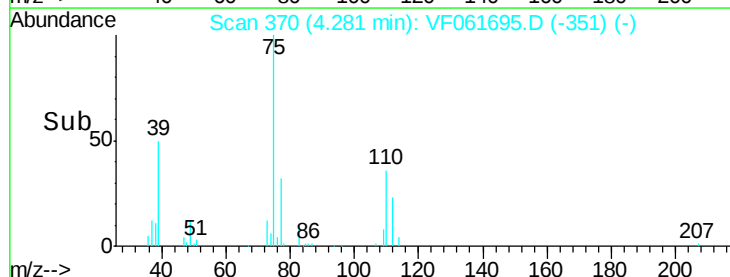
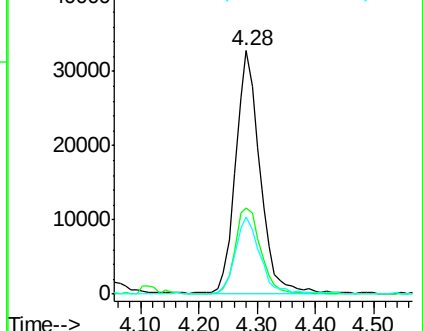
77 31.8 27.0 40.4

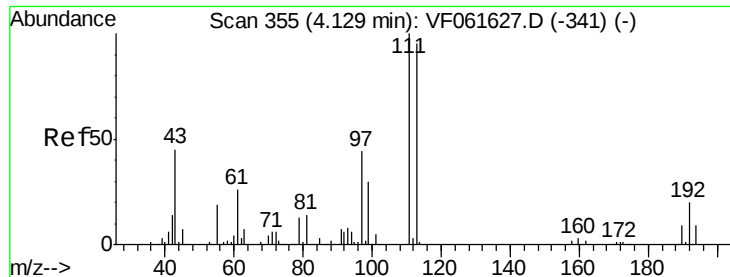


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

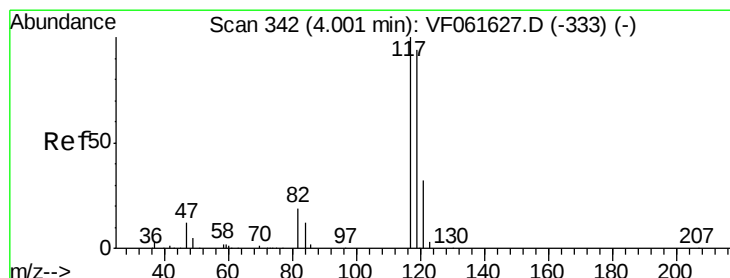
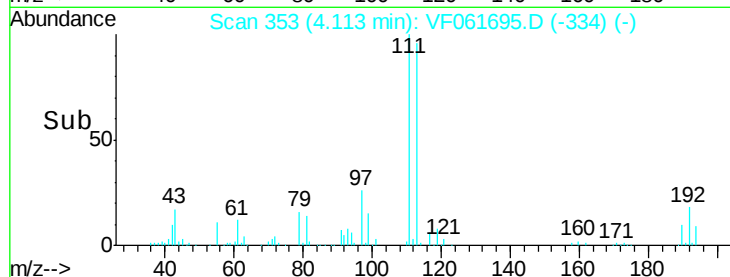
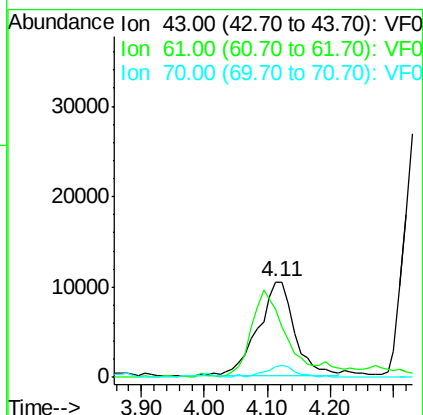
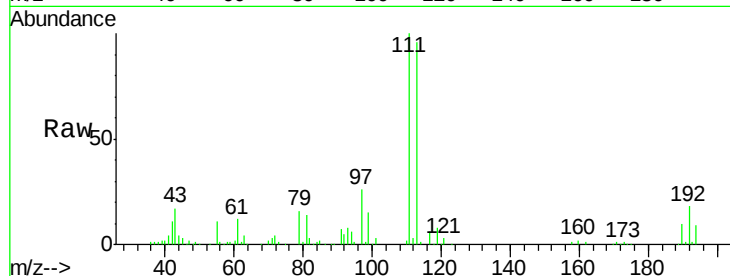




#37
Ethyl Acetate
Concen: 18.028 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.02 min
Lab File: VF061695.D
Acq: 21 Feb 2019 13:46

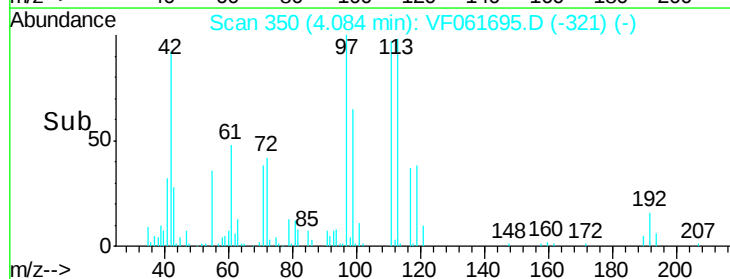
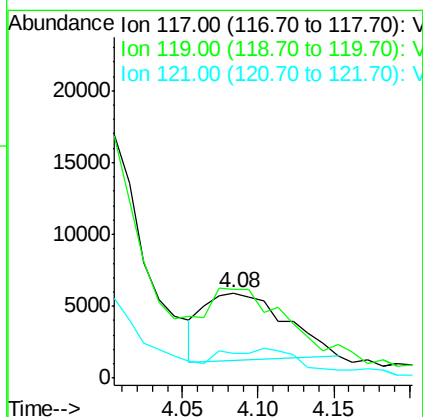
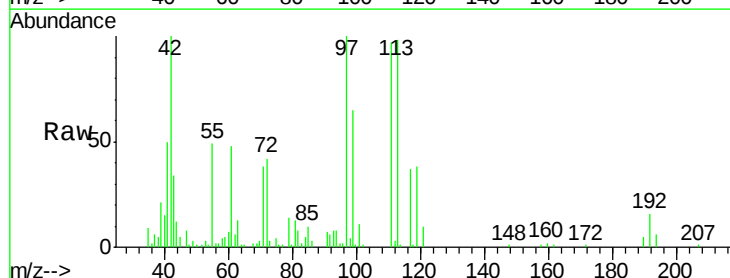
Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

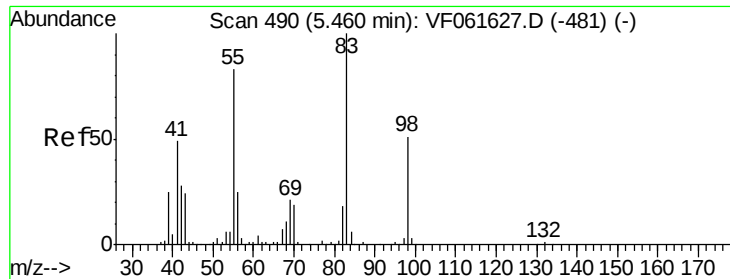
Tot Ion: 43 Resp: 42080
Ion Ratio Lower Upper
43 100
61 71.7 45.7 68.5#
70 10.5 8.5 12.7



#38
Carbon Tetrachloride
Concen: 5.049 ug/l
RT: 4.08 min Scan# 350
Delta R.T. 0.08 min
Lab File: VF061695.D
Acq: 21 Feb 2019 13:46

Tgt Ion: 117 Resp: 17520
Ion Ratio Lower Upper
117 100
119 104.3 75.6 113.4
121 28.3 25.2 37.8

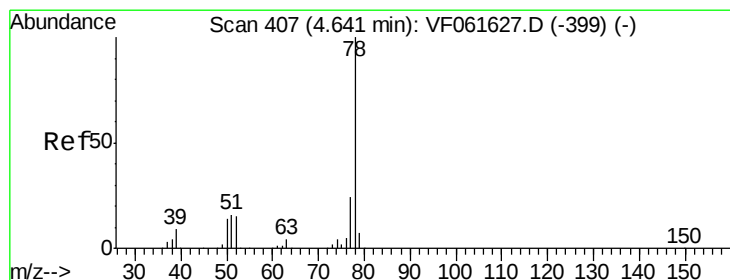
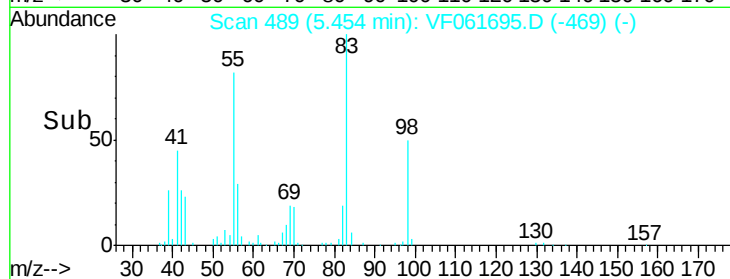
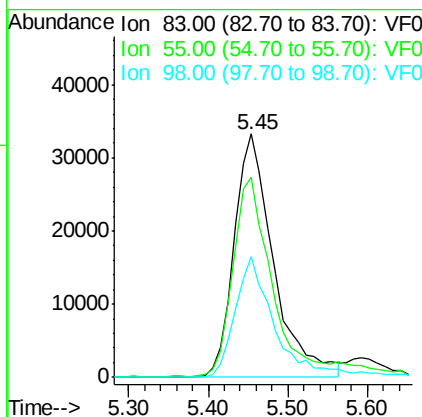
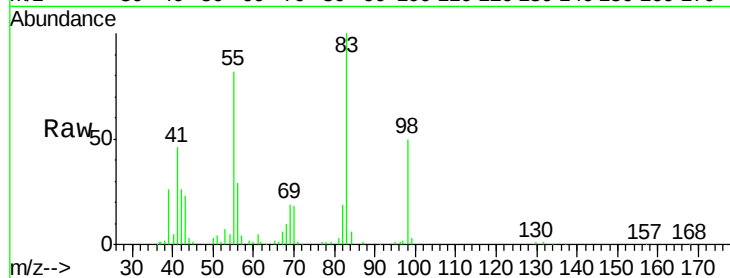




#39
Methvlcvclohexane
Concen: 19.245 ug/l
RT: 5.45 min Scan# 489
Delta R.T. -0.01 min
Lab File: VF061695.D
Acq: 21 Feb 2019 13:46

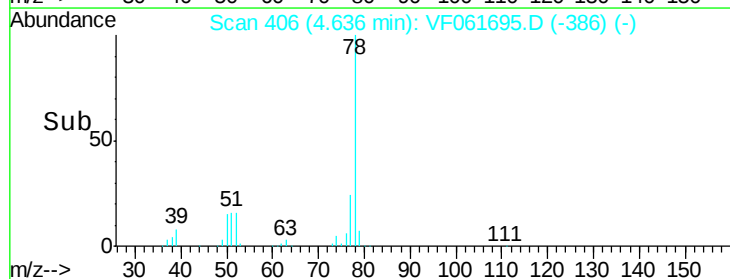
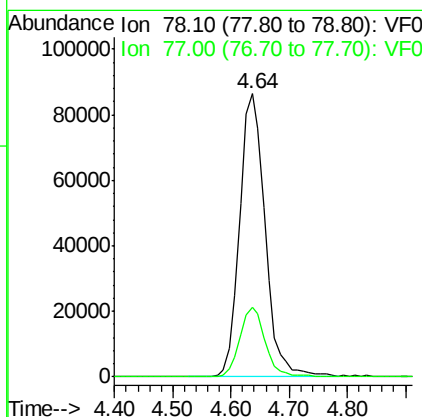
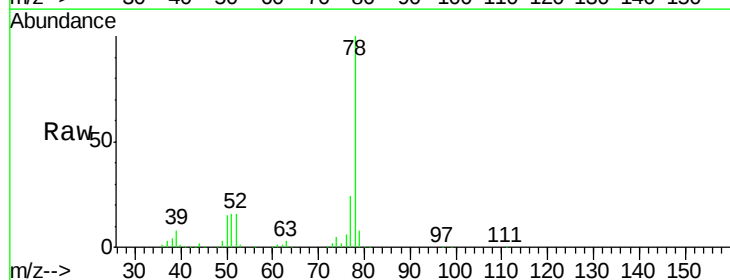
Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

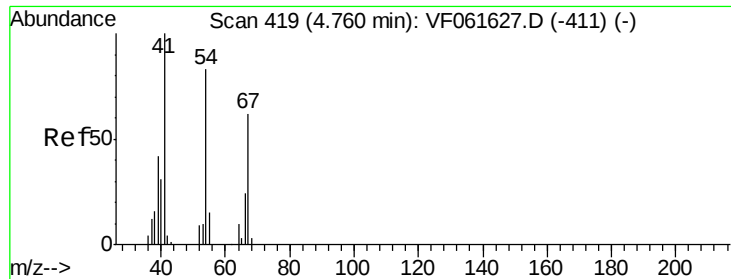
Tot Ion: 83 Resp: 114375
Ion Ratio Lower Upper
83 100
55 82.4 66.6 99.8
98 49.7 40.4 60.6



#40
Benzene
Concen: 20.132 ug/l
RT: 4.64 min Scan# 406
Delta R.T. -0.01 min
Lab File: VF061695.D
Acq: 21 Feb 2019 13:46

Tgt Ion: 78 Resp: 264618
Ion Ratio Lower Upper
78 100
77 24.4 19.0 28.6

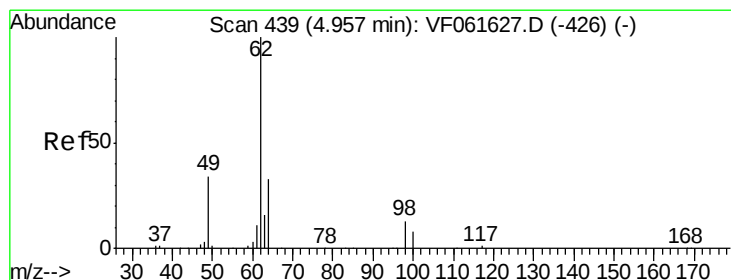
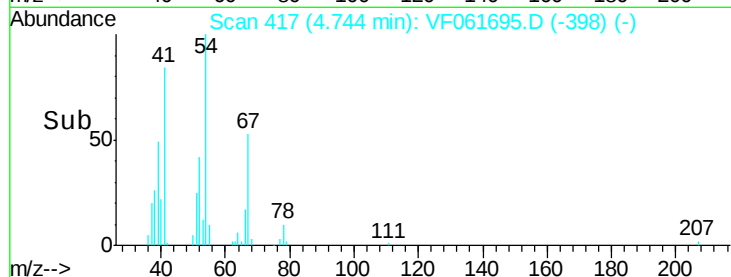
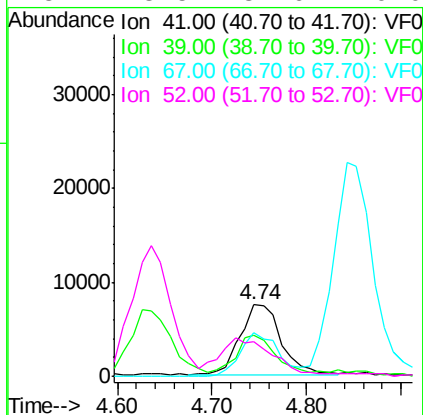
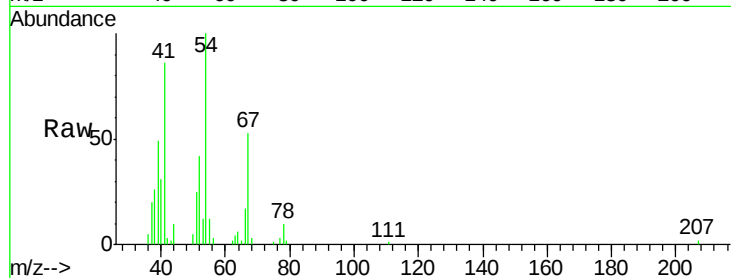




#41
Methacrylonitrile
Concen: 18.884 ug/l
RT: 4.74 min Scan# 417
Delta R.T. -0.02 min
Lab File: VF061695.D
Acq: 21 Feb 2019 13:46

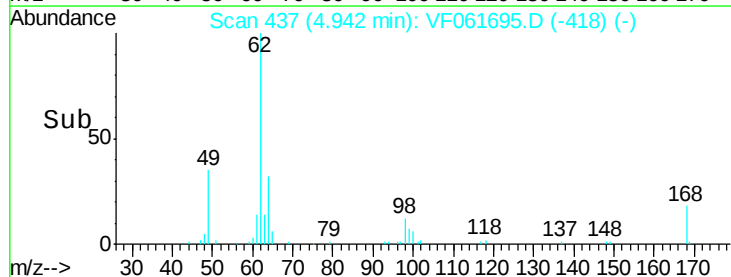
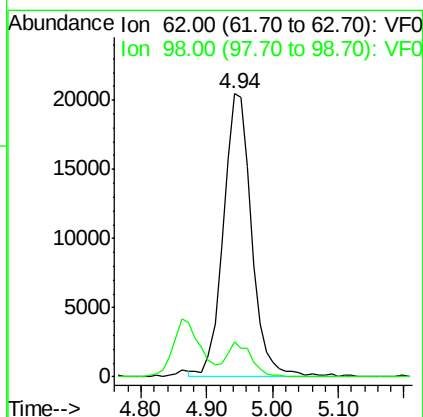
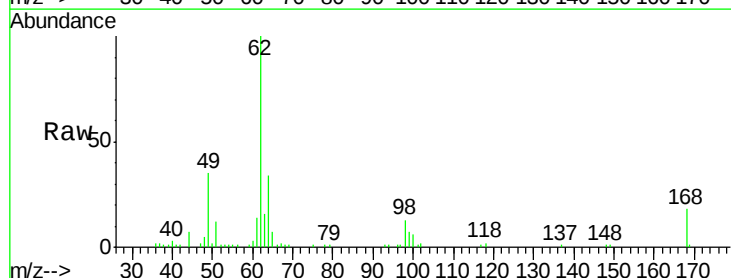
Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

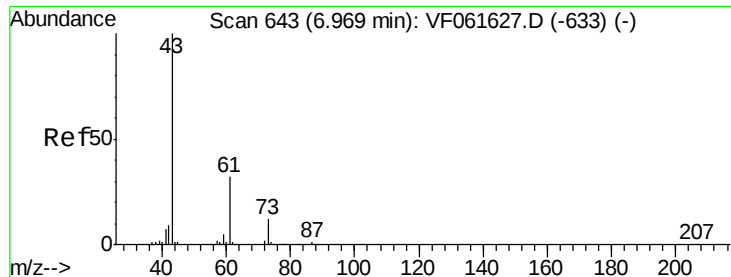
Tot Ion:	41	Resp:	22541
Ion	Ratio	Lower	Upper
41	100		
39	57.1	45.3	67.9
67	61.5	49.3	73.9
52	48.5	32.6	49.0



#42
1,2-Dichloroethane
Concen: 19.607 ug/l
RT: 4.94 min Scan# 437
Delta R.T. -0.02 min
Lab File: VF061695.D
Acq: 21 Feb 2019 13:46

Tgt Ion:	62	Resp:	61649
Ion	Ratio	Lower	Upper
62	100		
98	12.5	0.0	26.0



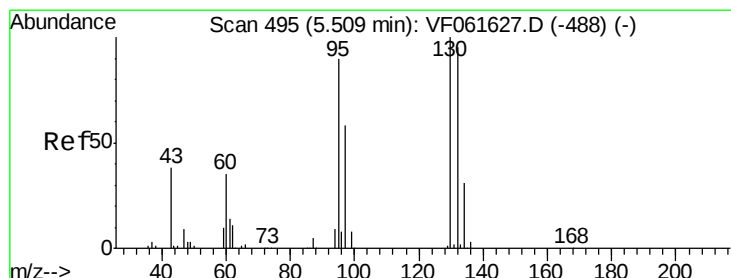
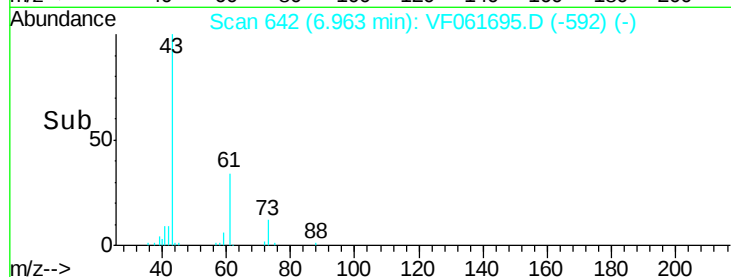
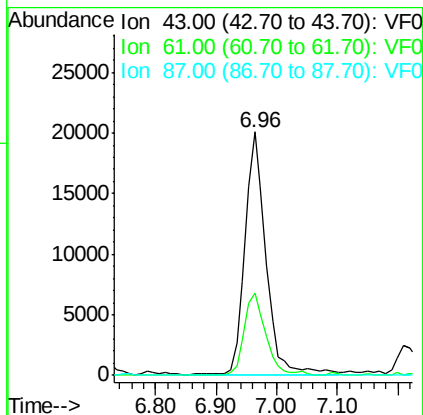
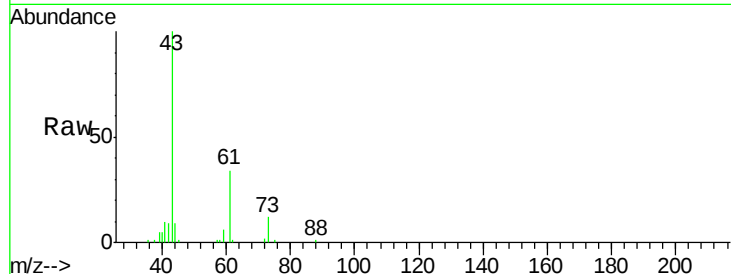


#43

Isopropyl Acetate
 Concen: 17.785 ug/l
 RT: 6.96 min Scan# 642
 Delta R.T. -0.01 min
 Lab File: VF061695.D
 Acq: 21 Feb 2019 13:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0221SBS01

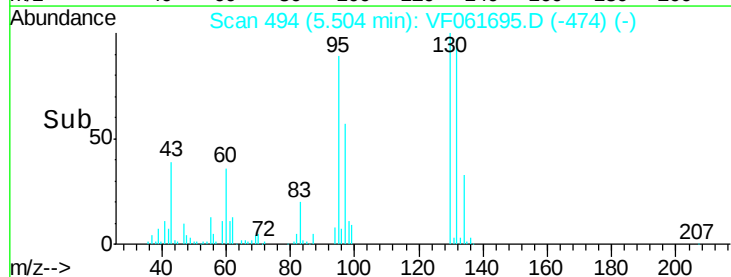
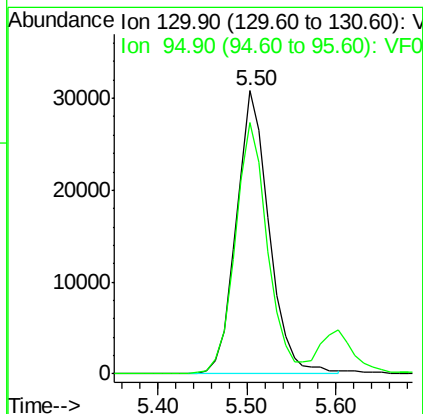
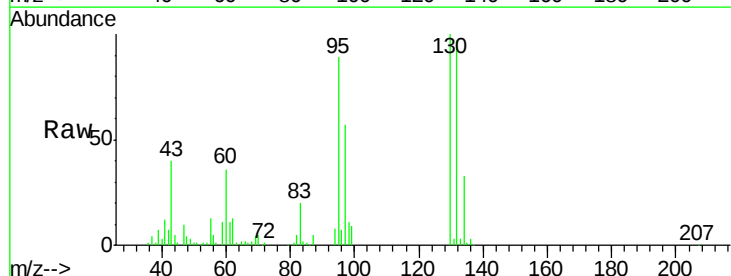
Tot Ion: 43 Resp: 49136
 Ion Ratio Lower Upper
 43 100
 61 33.7 25.8 38.6
 87 0.0 0.4 0.6#

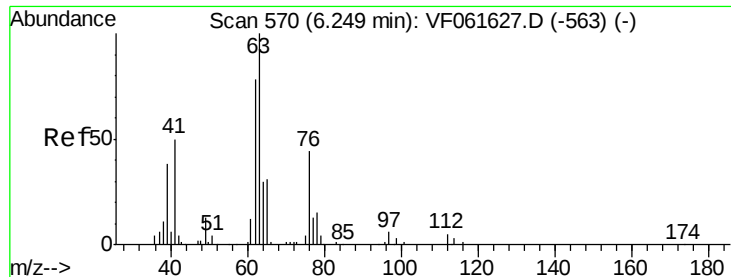


#44

Trichloroethene
 Concen: 18.579 ug/l
 RT: 5.50 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: VF061695.D
 Acq: 21 Feb 2019 13:46

Tgt Ion:130 Resp: 78973
 Ion Ratio Lower Upper
 130 100
 95 88.9 0.0 179.4





#45

1,2-Dichloropropane

Concen: 18.819 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF061695.D

Acq: 21 Feb 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

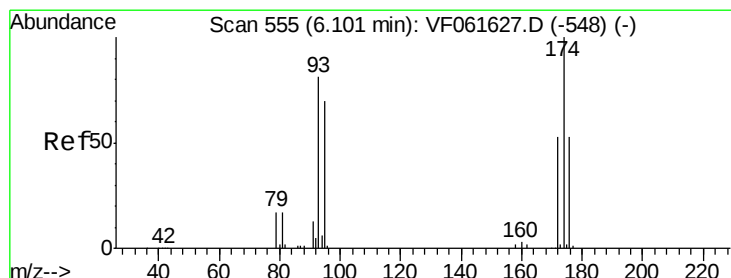
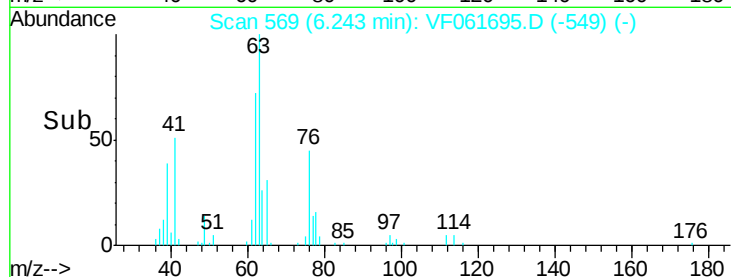
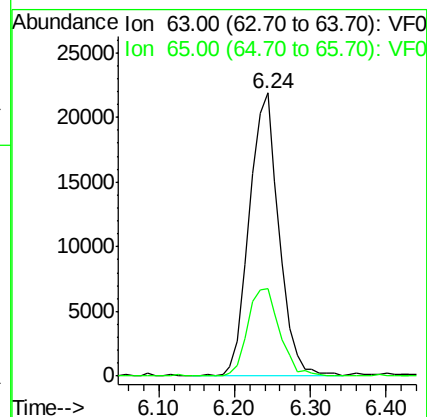
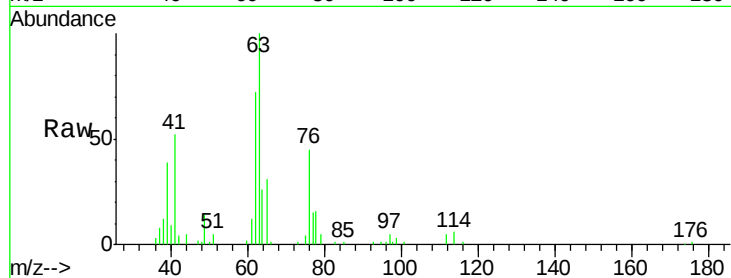
VF0221SBS01

Tot Ion: 63 Resp: 59791

Ion Ratio Lower Upper

63 100

65 30.9 24.9 37.3



#46

Dibromomethane

Concen: 19.585 ug/l

RT: 6.09 min Scan# 553

Delta R.T. -0.02 min

Lab File: VF061695.D

Acq: 21 Feb 2019 13:46

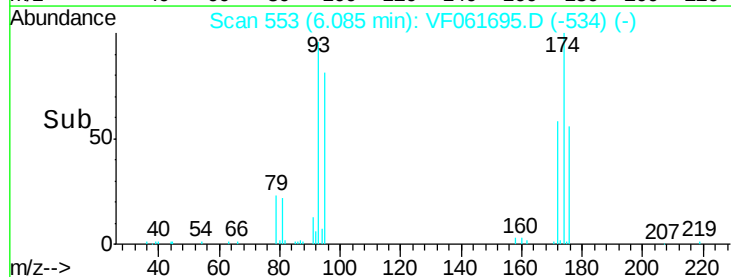
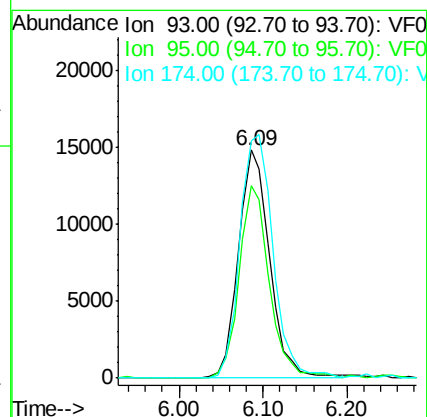
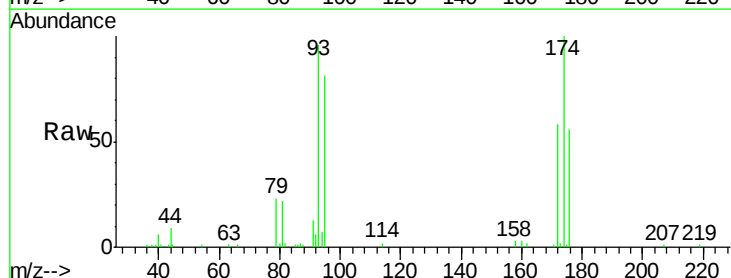
Tgt Ion: 93 Resp: 38313

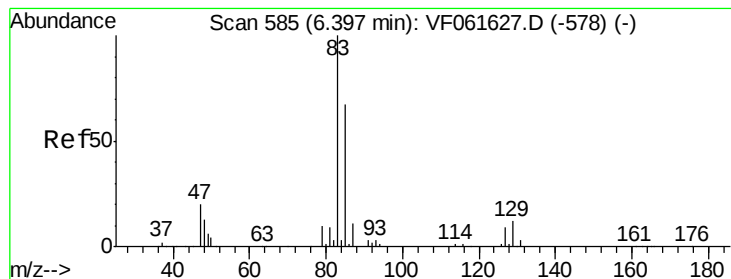
Ion Ratio Lower Upper

93 100

95 84.3 69.0 103.6

174 104.1 99.3 148.9





#47

Bromodichloromethane

Concen: 19.206 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.01 min

Lab File: VF061695.D

Acq: 21 Feb 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

VF0221SBS01

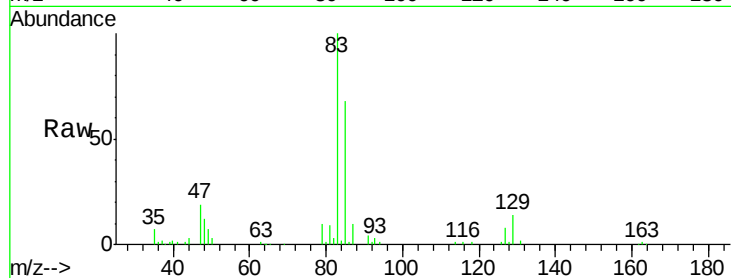
Tot Ion: 83 Resp: 82276

Ion Ratio Lower Upper

83 100

85 67.5 53.4 80.2

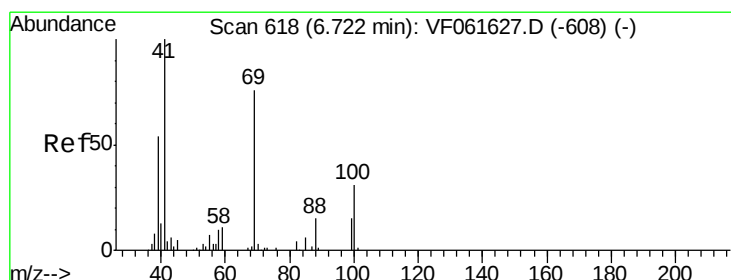
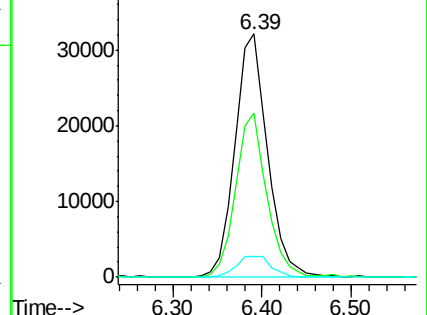
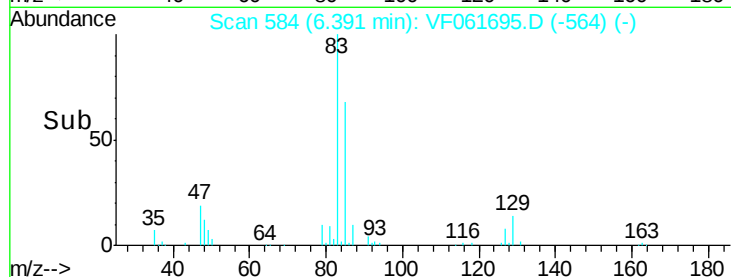
127 8.5 7.5 11.3



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: 17.943 ug/l

RT: 6.72 min Scan# 617

Delta R.T. -0.01 min

Lab File: VF061695.D

Acq: 21 Feb 2019 13:46

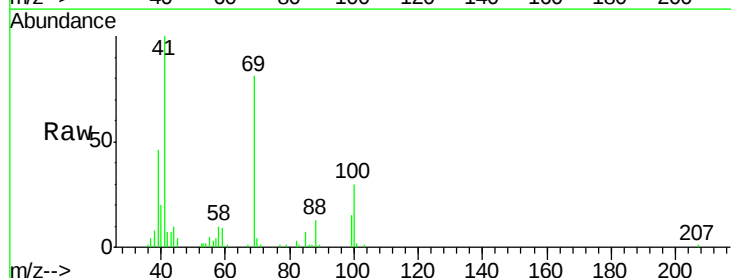
Tgt Ion: 41 Resp: 29833

Ion Ratio Lower Upper

41 100

69 80.9 60.4 90.6

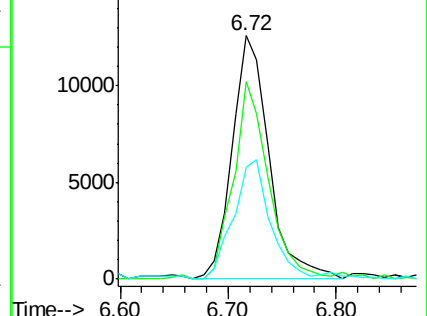
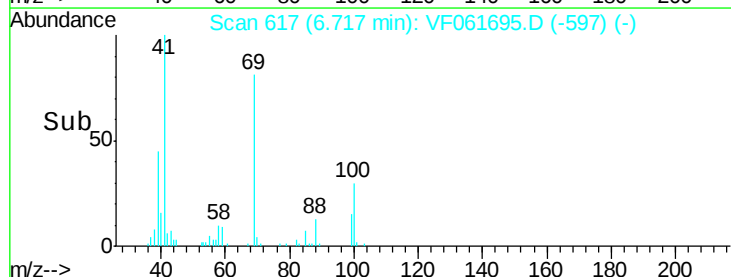
39 46.0 43.7 65.5

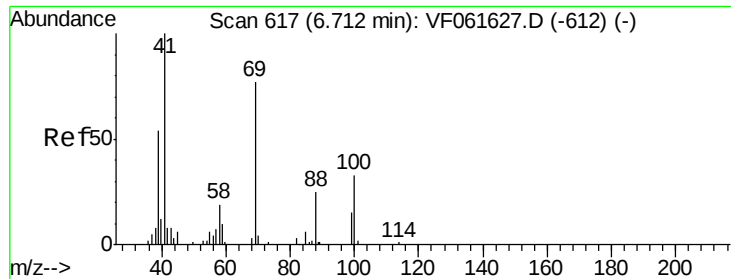


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

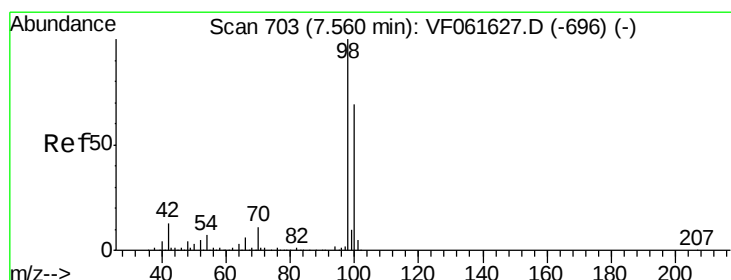
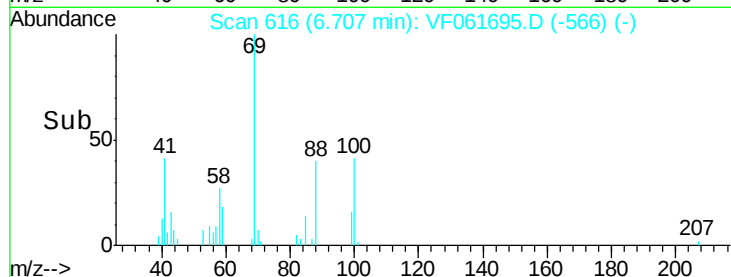
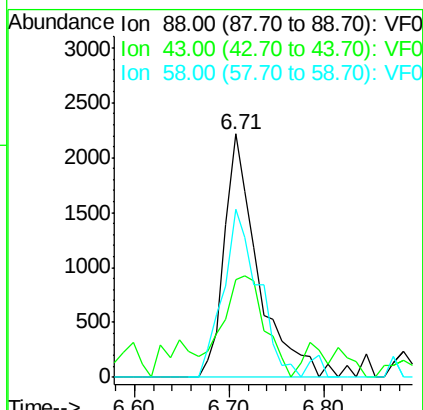
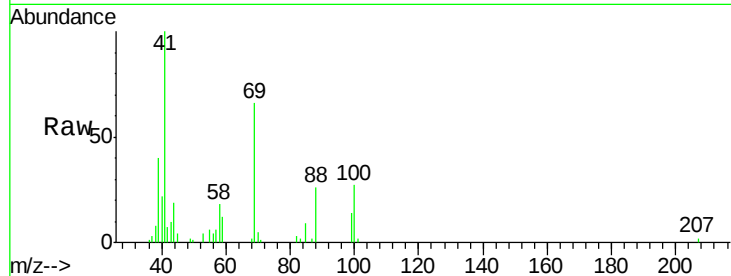




#49
1,4-Dioxane
Concen: 349.976 ug/l
RT: 6.71 min Scan# 616
Delta R.T. -0.01 min
Lab File: VF061695.D
Acq: 21 Feb 2019 13:46

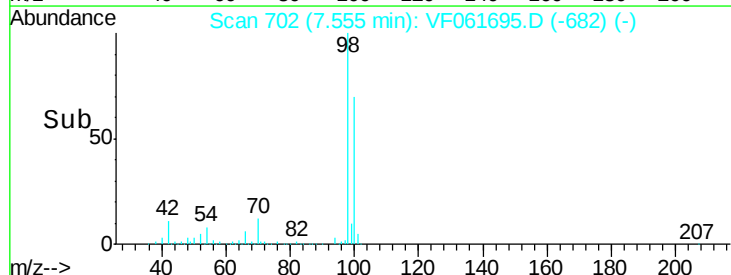
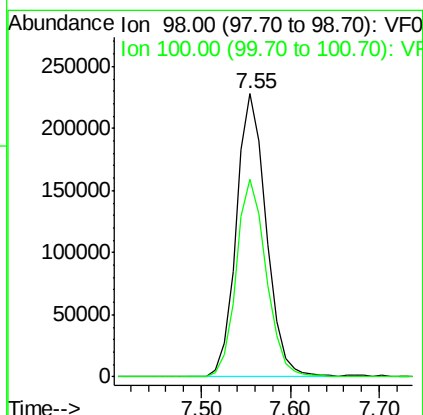
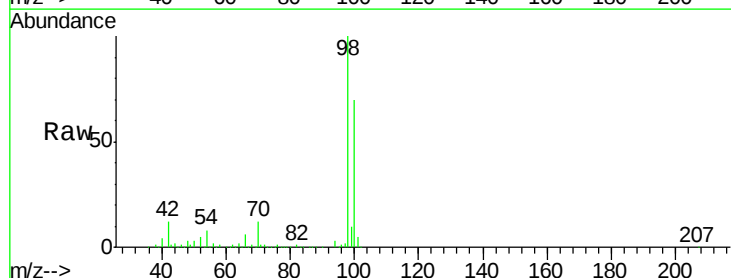
Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

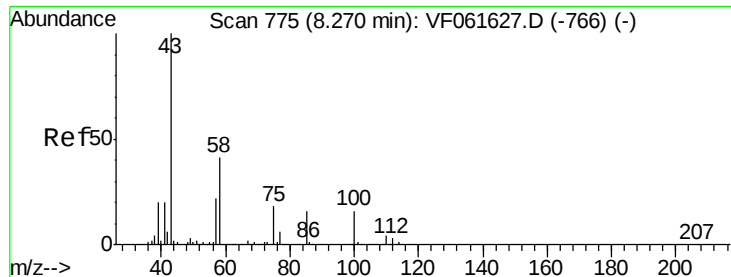
Tot Ion: 88 Resp: 5470
Ion Ratio Lower Upper
88 100
43 40.3 32.3 48.5
58 68.8 59.4 89.2



#50
Toluene-d8
Concen: 49.177 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.01 min
Lab File: VF061695.D
Acq: 21 Feb 2019 13:46

Tgt Ion: 98 Resp: 532552
Ion Ratio Lower Upper
98 100
100 69.8 55.4 83.2





#51

4-Methyl-2-Pentanone

Concen: 89.411 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF061695.D

Acq: 21 Feb 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

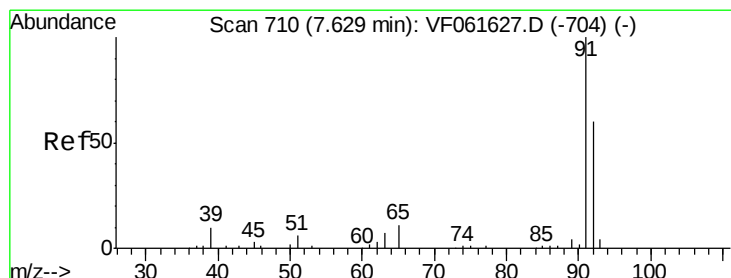
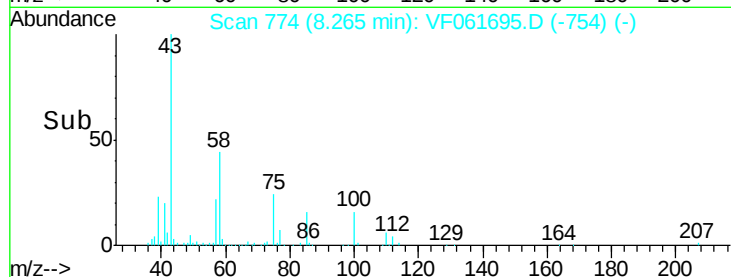
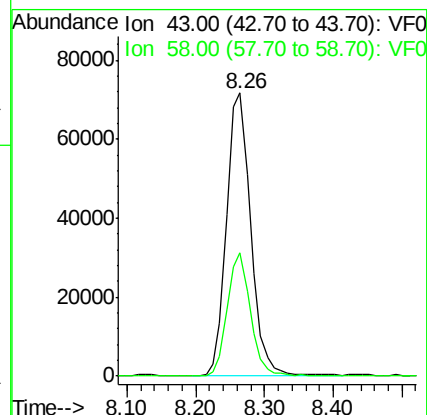
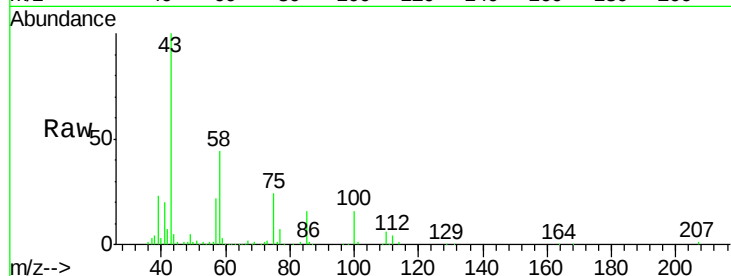
VF0221SBS01

Tot Ion: 43 Resp: 176508

Ion Ratio Lower Upper

43 100

58 43.5 33.1 49.7



#52

Toluene

Concen: 18.715 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.01 min

Lab File: VF061695.D

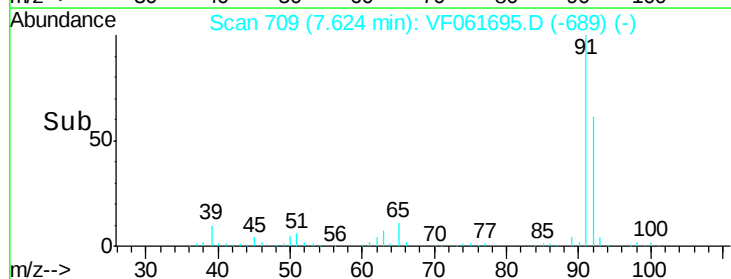
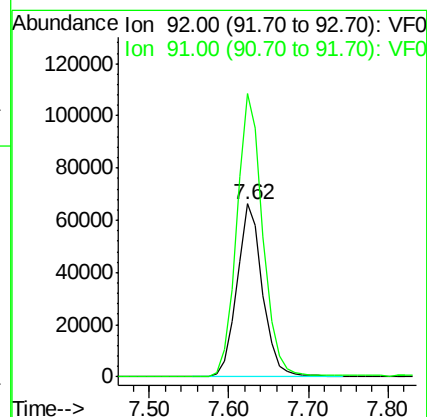
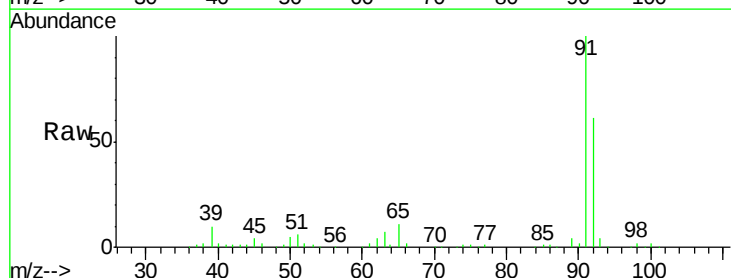
Acq: 21 Feb 2019 13:46

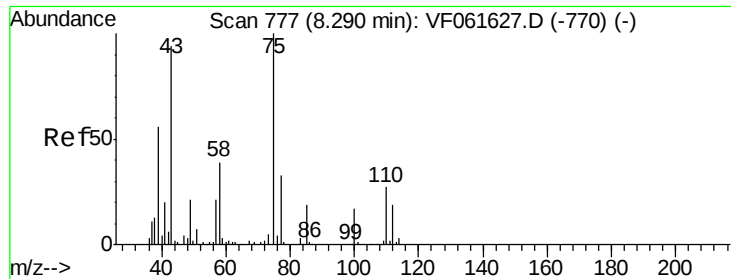
Tgt Ion: 92 Resp: 149188

Ion Ratio Lower Upper

92 100

91 163.6 133.9 200.9

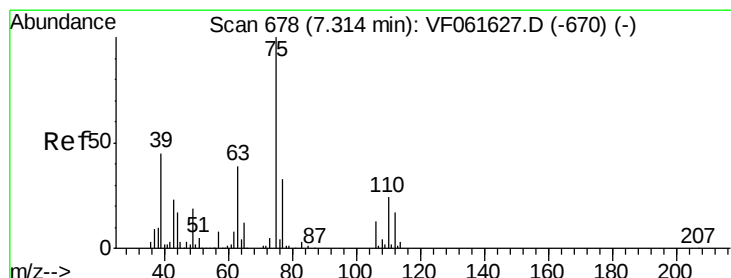
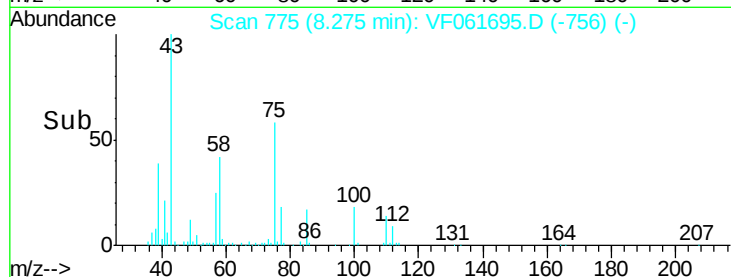
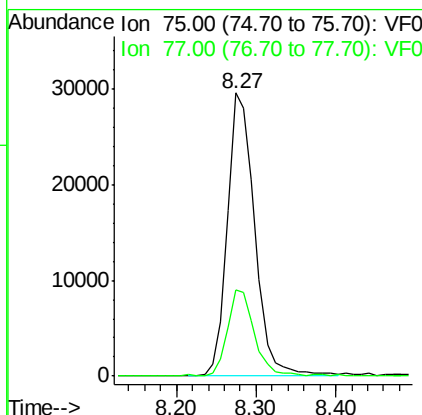
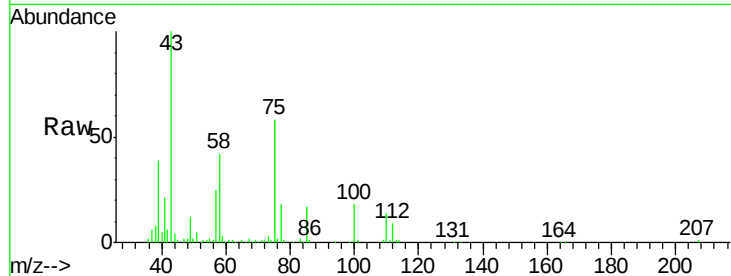




#53
t-1,3-Dichloropropene
Concen: 20.028 ug/l
RT: 8.27 min Scan# 775
Delta R.T. -0.02 min
Lab File: VF061695.D
Acq: 21 Feb 2019 13:46

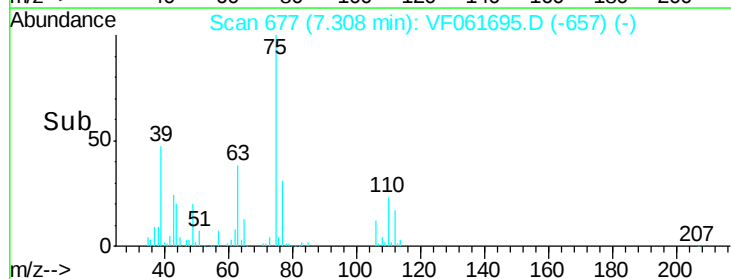
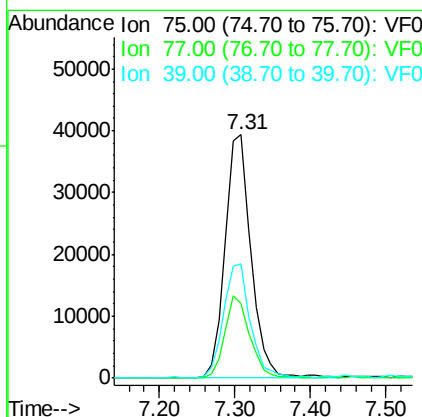
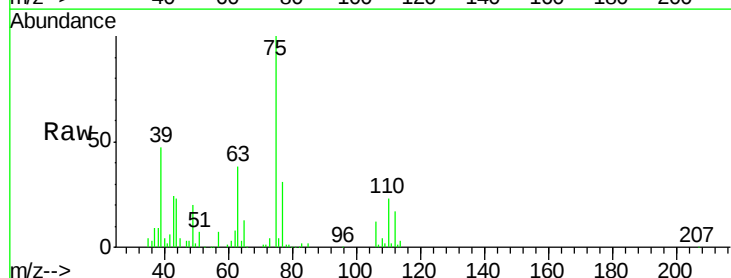
Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

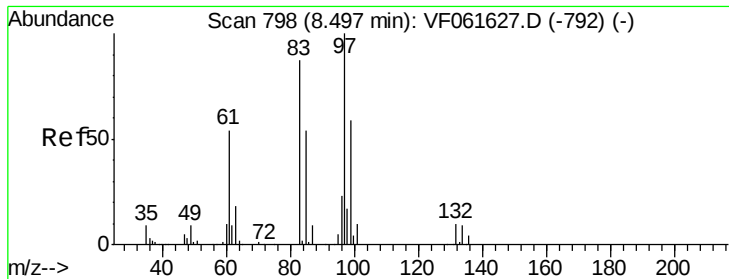
Tot Ion: 75 Resp: 71405
Ion Ratio Lower Upper
75 100
77 30.4 26.2 39.2



#54
cis-1,3-Dichloropropene
Concen: 19.762 ug/l
RT: 7.31 min Scan# 677
Delta R.T. -0.01 min
Lab File: VF061695.D
Acq: 21 Feb 2019 13:46

Tgt Ion: 75 Resp: 93849
Ion Ratio Lower Upper
75 100
77 30.6 26.4 39.6
39 47.0 36.0 54.0





#55

1,1,2-Trichloroethane

Concen: 18.836 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.01 min

Lab File: VF061695.D

Acq: 21 Feb 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

VF0221SBS01

Tot Ion: 97 Resp: 44117

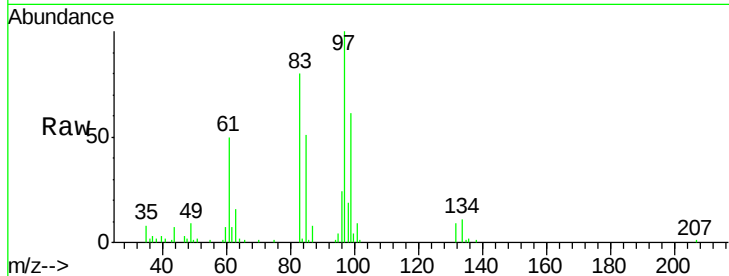
Ion Ratio Lower Upper

97 100

83 79.8 69.2 103.8

85 50.6 43.0 64.4

99 61.2 47.2 70.8

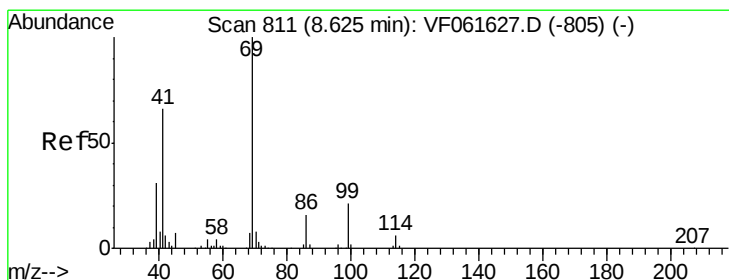
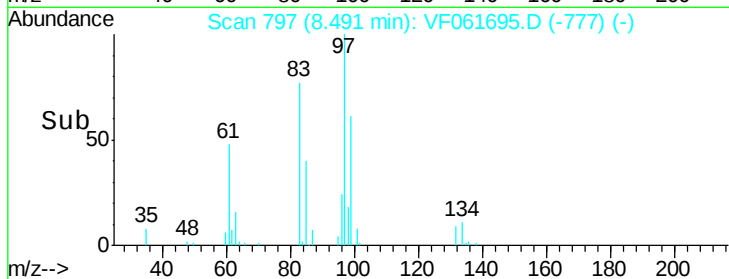
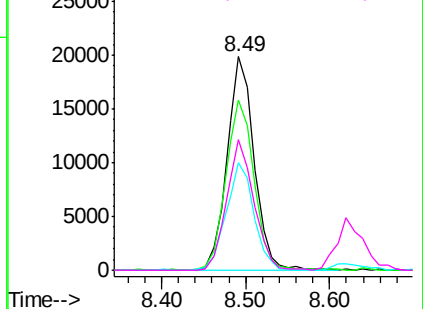


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 19.025 ug/l

RT: 8.62 min Scan# 810

Delta R.T. -0.01 min

Lab File: VF061695.D

Acq: 21 Feb 2019 13:46

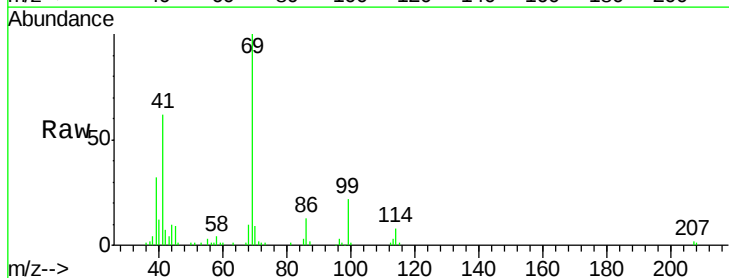
Tgt Ion: 69 Resp: 49612

Ion Ratio Lower Upper

69 100

41 61.9 52.9 79.3

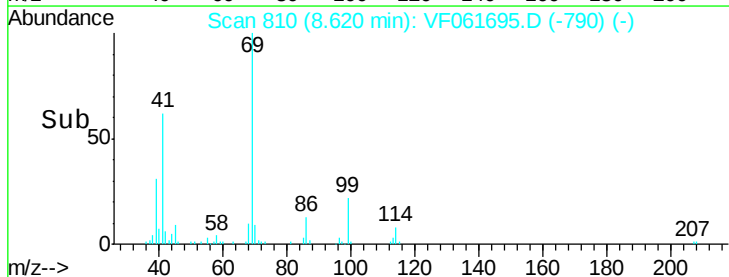
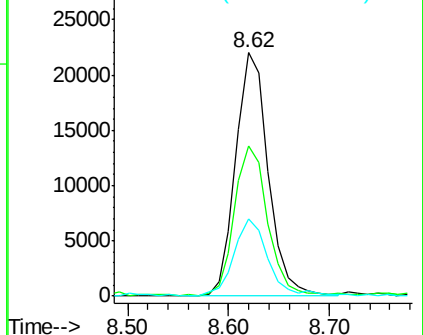
39 31.9 24.5 36.7

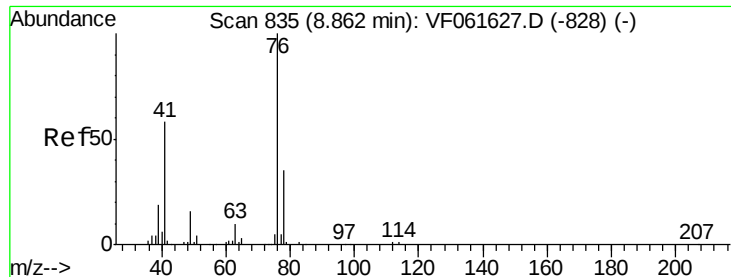


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 18.400 ug/l

RT: 8.86 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF061695.D

Acq: 21 Feb 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

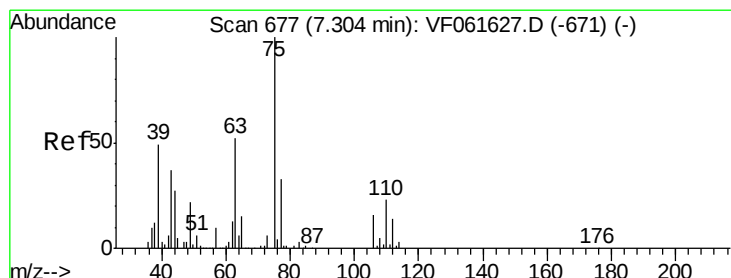
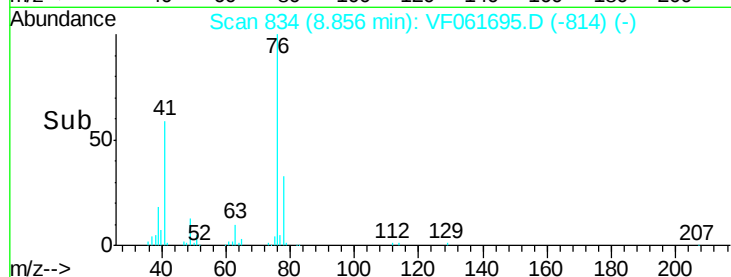
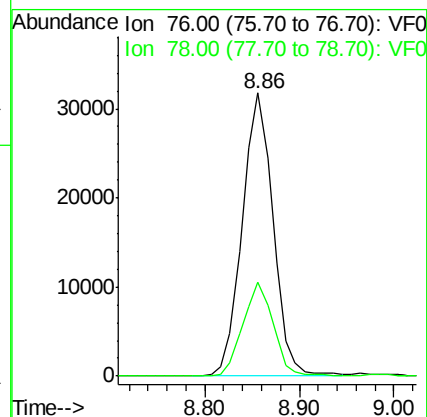
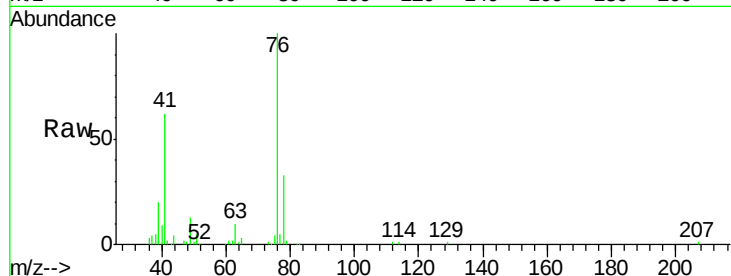
VF0221SBS01

Tot Ion: 76 Resp: 71933

Ion Ratio Lower Upper

76 100

78 33.3 27.8 41.6



#58

2-Chloroethyl Vinyl ether

Concen: 95.317 ug/l

RT: 7.30 min Scan# 676

Delta R.T. -0.01 min

Lab File: VF061695.D

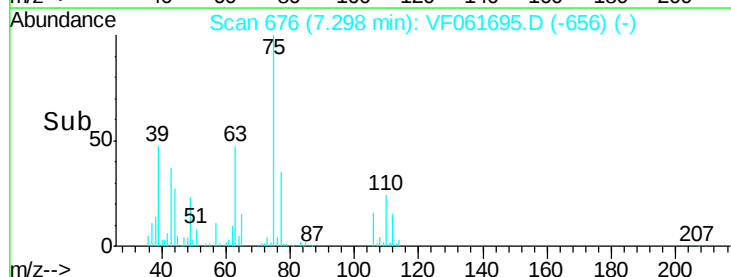
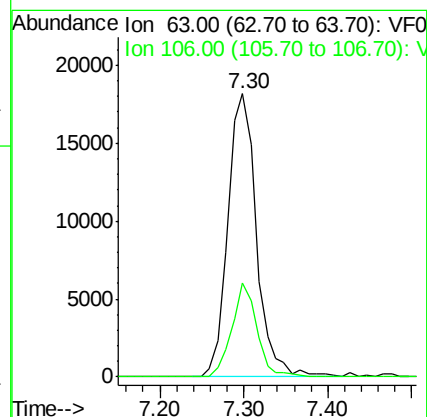
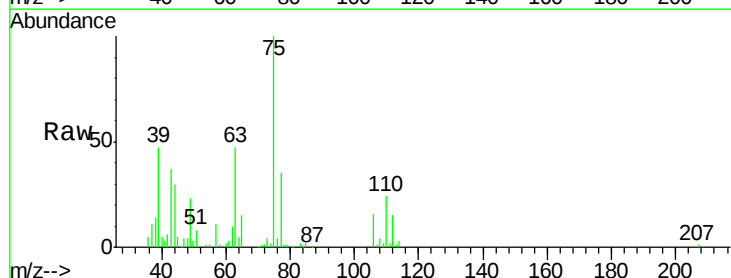
Acq: 21 Feb 2019 13:46

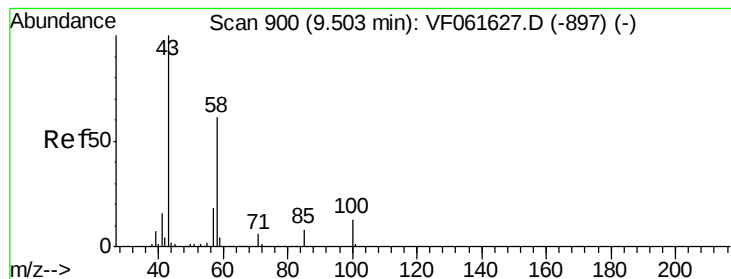
Tgt Ion: 63 Resp: 42885

Ion Ratio Lower Upper

63 100

106 33.1 24.6 36.8





#59

2-Hexanone

Concen: 96.574 ug/l

RT: 9.50 min Scan# 899

Delta R.T. -0.01 min

Lab File: VF061695.D

Acq: 21 Feb 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

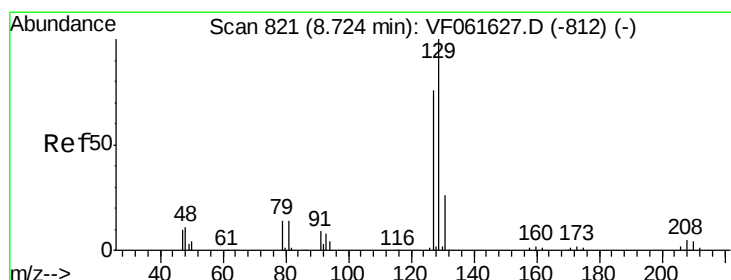
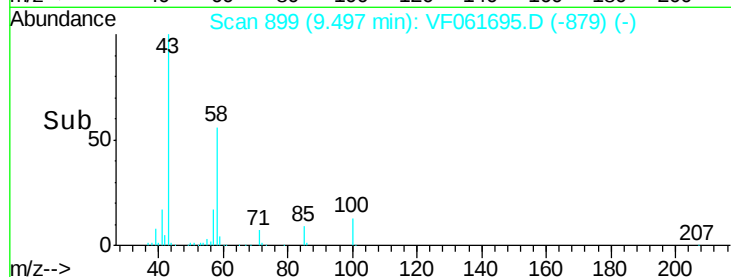
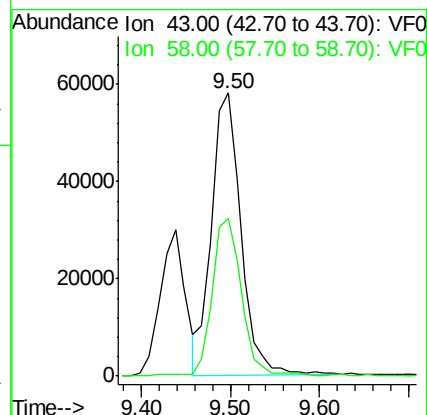
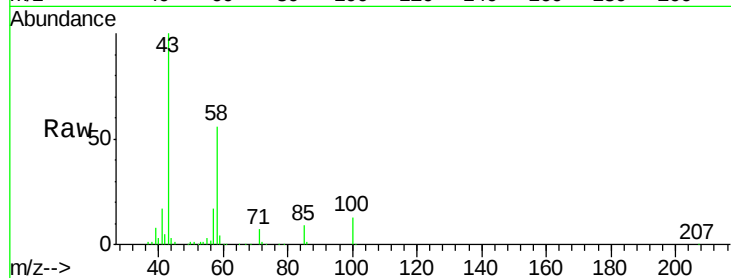
VF0221SBS01

Tot Ion: 43 Resp: 133640

Ion Ratio Lower Upper

43 100

58 55.7 28.5 85.5



#60

Dibromochloromethane

Concen: 18.356 ug/l

RT: 8.72 min Scan# 820

Delta R.T. -0.01 min

Lab File: VF061695.D

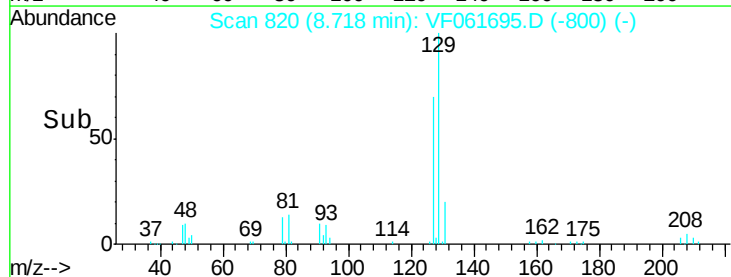
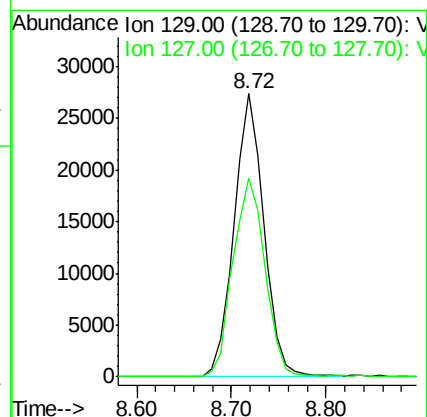
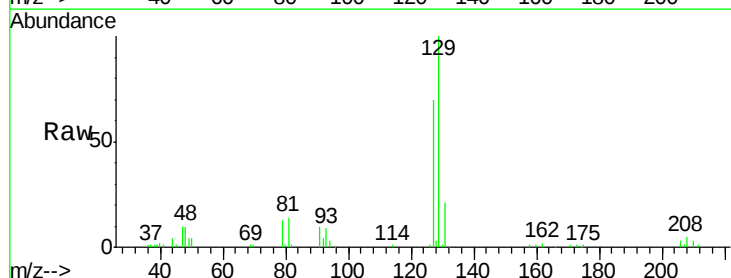
Acq: 21 Feb 2019 13:46

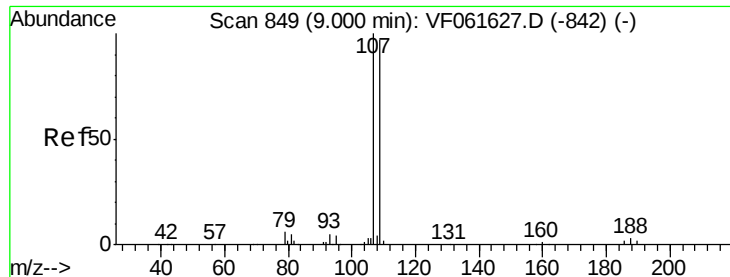
Tgt Ion: 129 Resp: 59842

Ion Ratio Lower Upper

129 100

127 70.2 37.8 113.4





#61

1,2-Dibromoethane

Concen: 18.676 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.02 min

Lab File: VF061695.D

Acq: 21 Feb 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

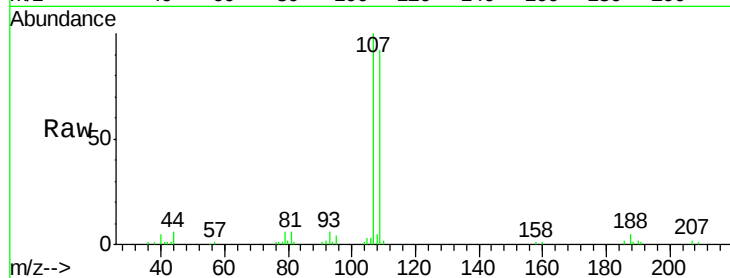
VF0221SBS01

Tot Ion:107 Resp: 47445

Ion Ratio Lower Upper

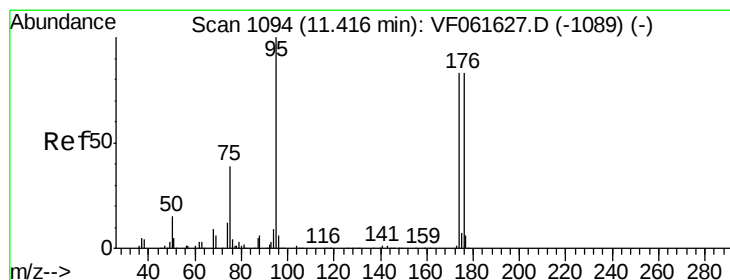
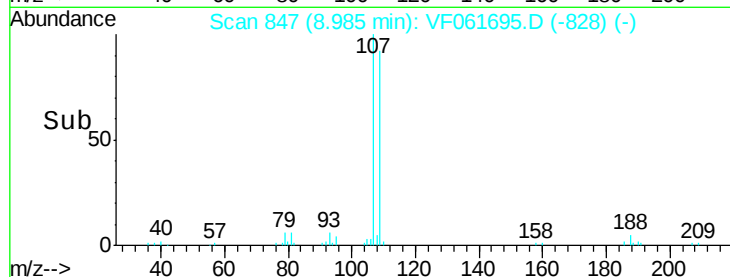
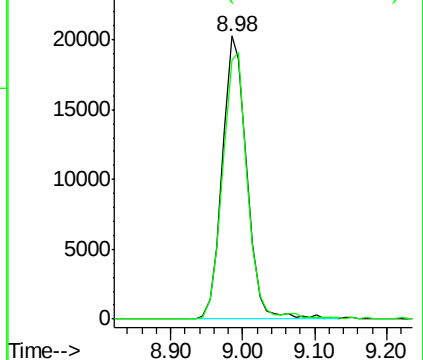
107 100

109 91.5 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: 49.785 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF061695.D

Acq: 21 Feb 2019 13:46

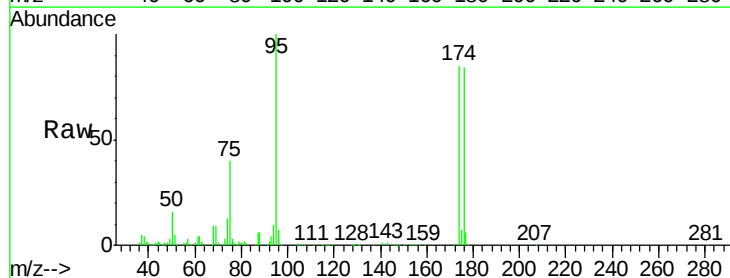
Tgt Ion: 95 Resp: 218146

Ion Ratio Lower Upper

95 100

174 85.2 0.0 165.8

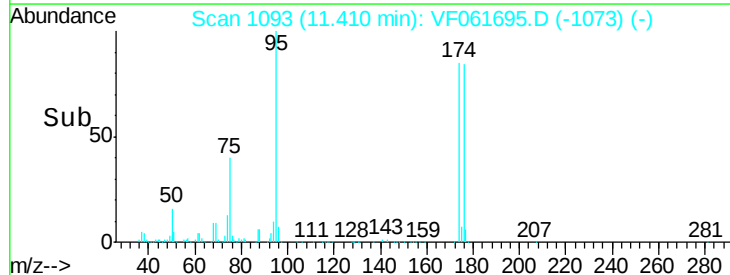
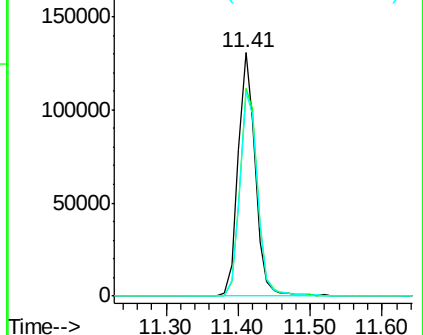
176 83.9 0.0 167.0

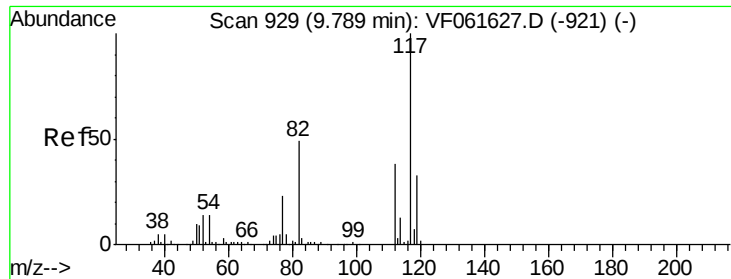


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

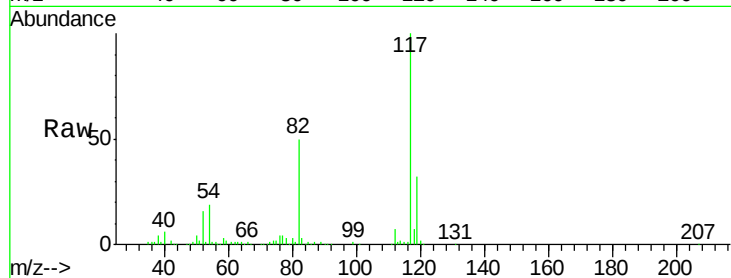




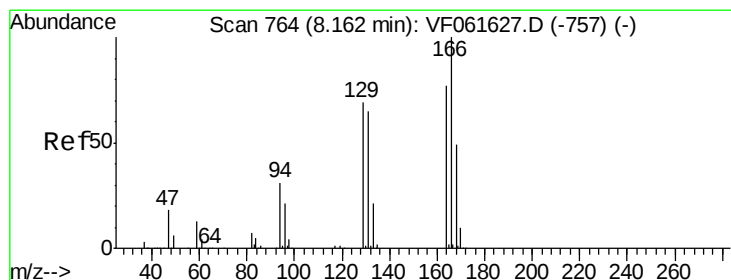
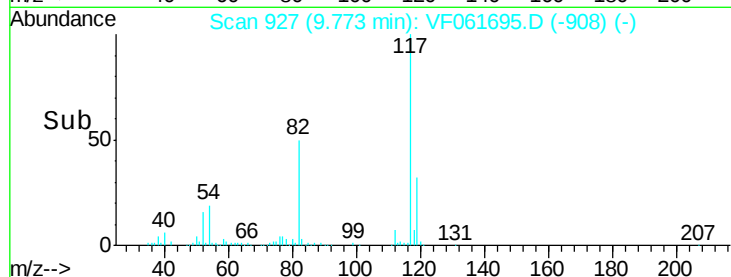
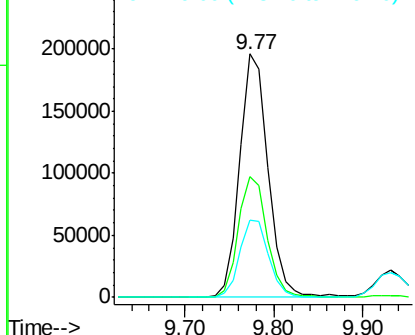
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.02 min
Lab File: VF061695.D
Acq: 21 Feb 2019 13:46

Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

Tot Ion:117 Resp: 435148
Ion Ratio Lower Upper
117 100
82 49.5 39.3 58.9
119 31.8 26.6 40.0

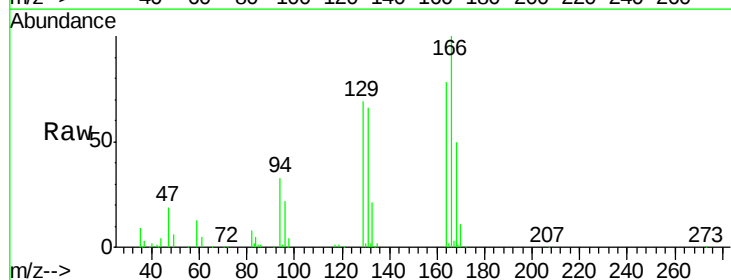


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

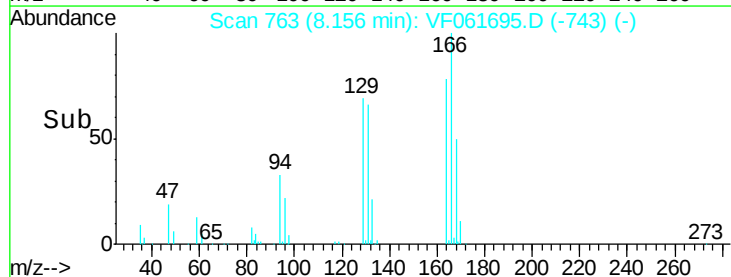
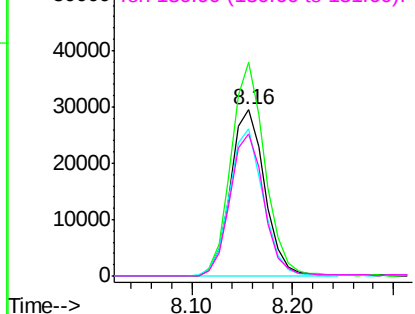


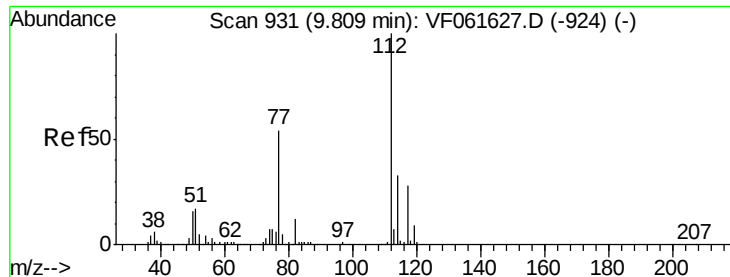
#64
Tetrachloroethene
Concen: 19.667 ug/l
RT: 8.16 min Scan# 763
Delta R.T. -0.01 min
Lab File: VF061695.D
Acq: 21 Feb 2019 13:46

Tgt Ion:164 Resp: 69951
Ion Ratio Lower Upper
164 100
166 128.5 103.9 155.9
129 88.7 71.3 106.9
131 85.3 67.1 100.7



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





#65

Chlorobenzene

Concen: 19.849 ug/l

RT: 9.80 min Scan# 930

Delta R.T. -0.01 min

Lab File: VF061695.D

Acq: 21 Feb 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

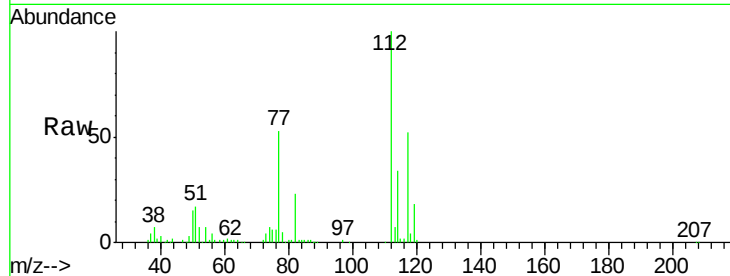
VF0221SBS01

Tot Ion:112 Resp: 175266

Ion Ratio Lower Upper

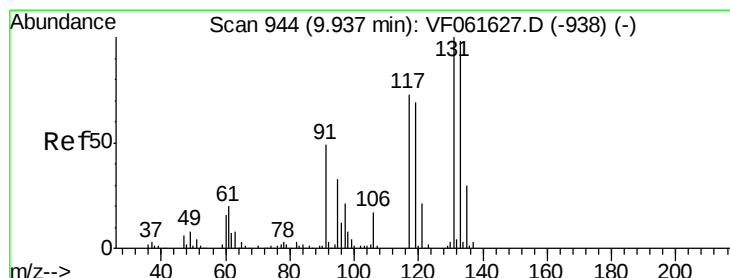
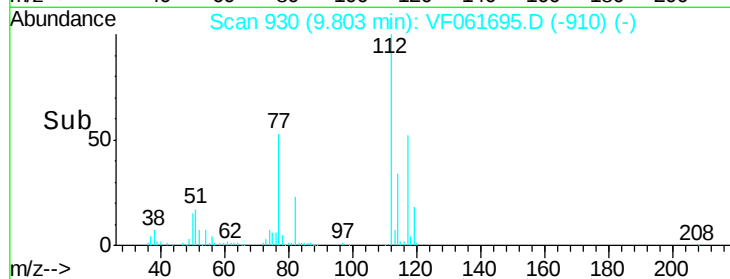
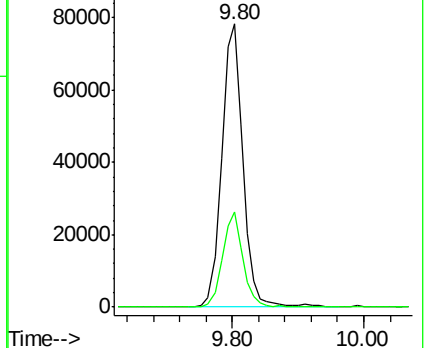
112 100

114 33.6 26.2 39.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.066 ug/l

RT: 9.93 min Scan# 943

Delta R.T. -0.01 min

Lab File: VF061695.D

Acq: 21 Feb 2019 13:46

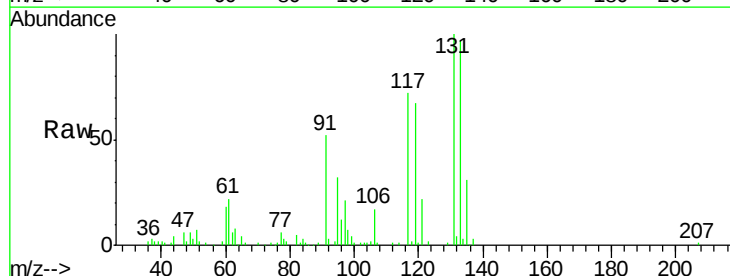
Tgt Ion:131 Resp: 65969

Ion Ratio Lower Upper

131 100

133 97.1 48.9 146.6

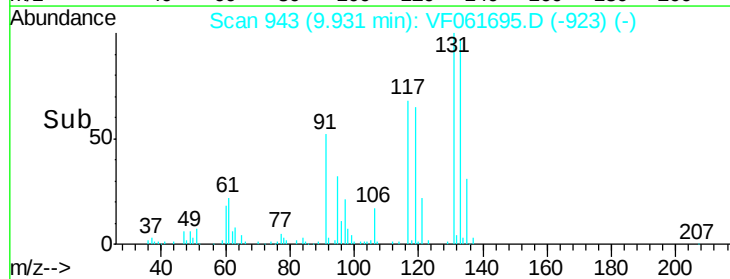
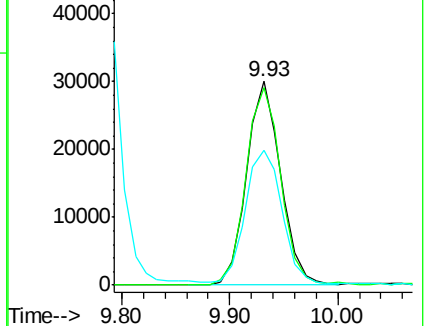
119 66.6 34.8 104.3

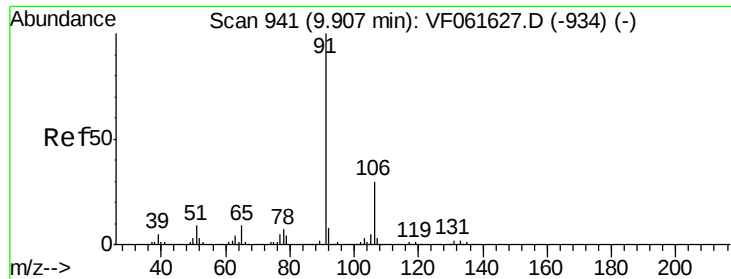


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

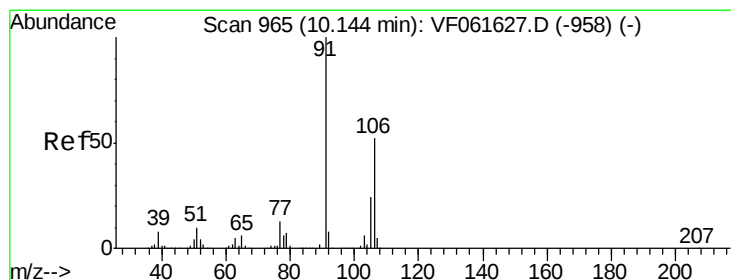
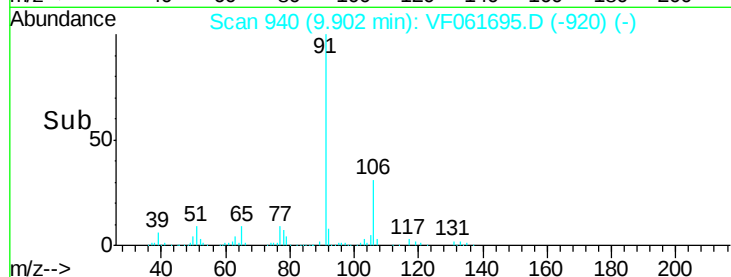
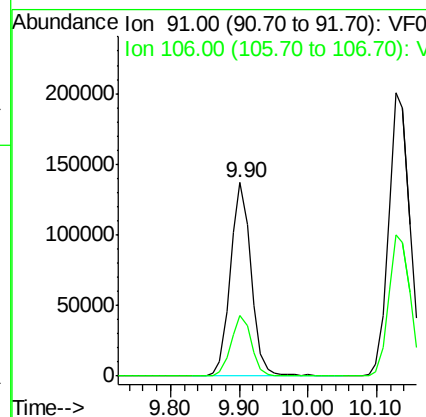
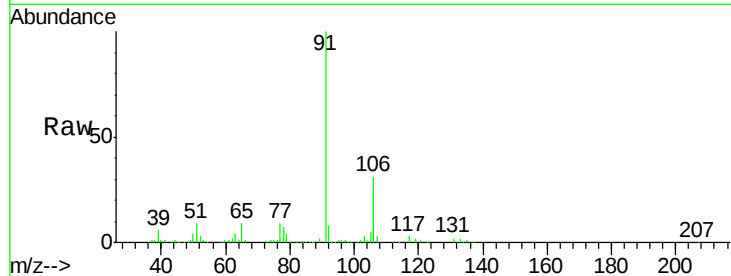




#67
Ethyl Benzene
Concen: 19.463 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.01 min
Lab File: VF061695.D
Acq: 21 Feb 2019 13:46

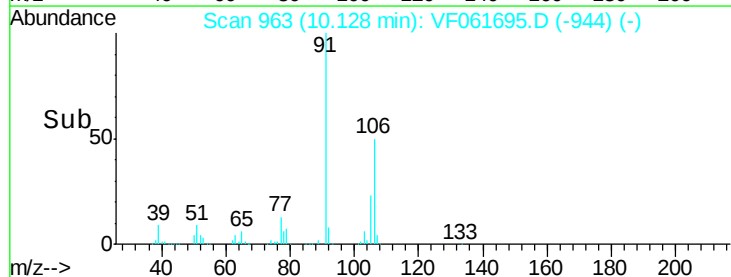
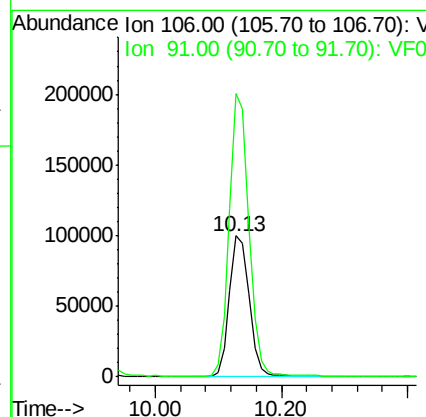
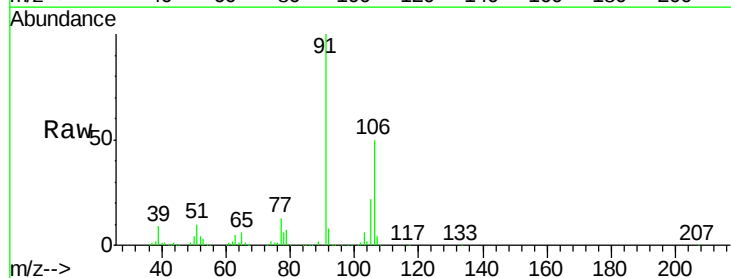
Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

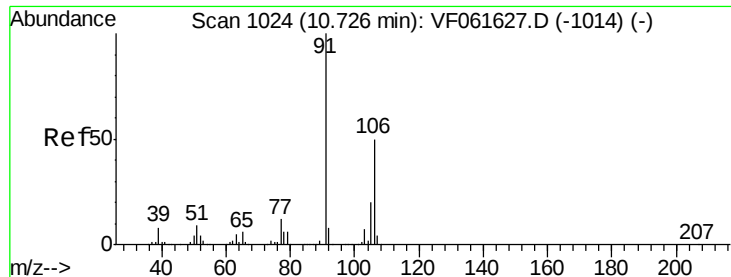
Tot Ion: 91 Resp: 285803
Ion Ratio Lower Upper
91 100
106 31.4 24.1 36.1



#68
m/p-Xylenes
Concen: 39.452 ug/l
RT: 10.13 min Scan# 963
Delta R.T. -0.02 min
Lab File: VF061695.D
Acq: 21 Feb 2019 13:46

Tgt Ion: 106 Resp: 221720
Ion Ratio Lower Upper
106 100
91 200.7 153.0 229.6

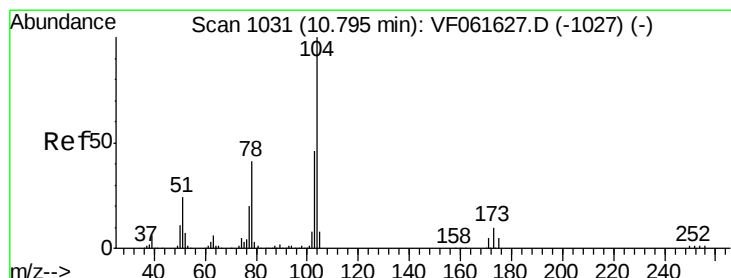
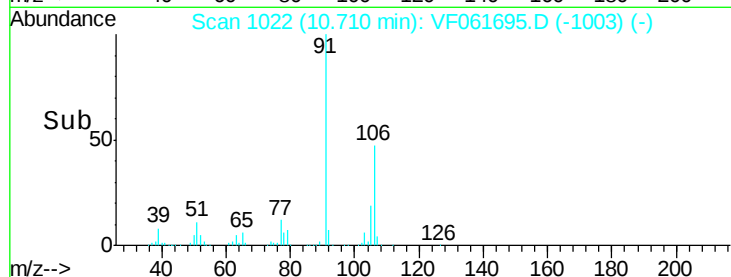
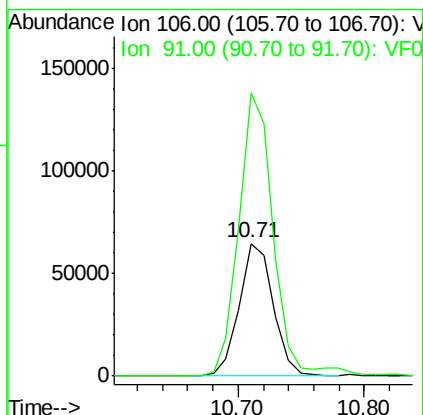
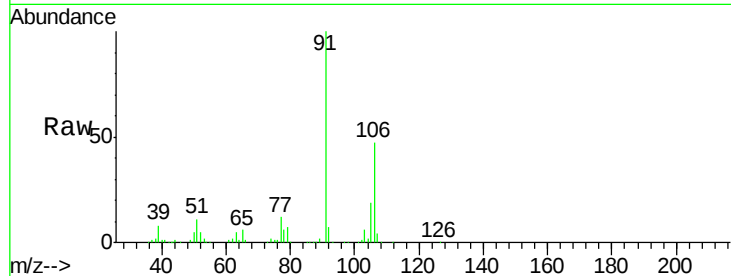




#69
o-Xylene
Concen: 20.322 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.02 min
Lab File: VF061695.D
Acq: 21 Feb 2019 13:46

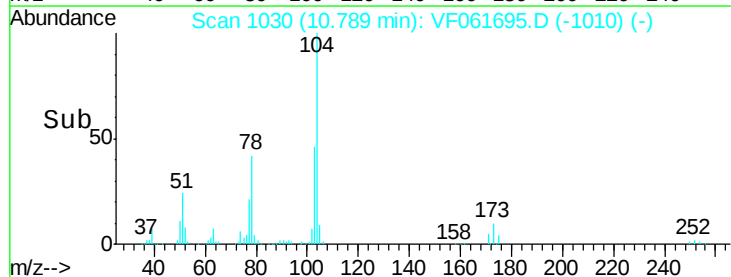
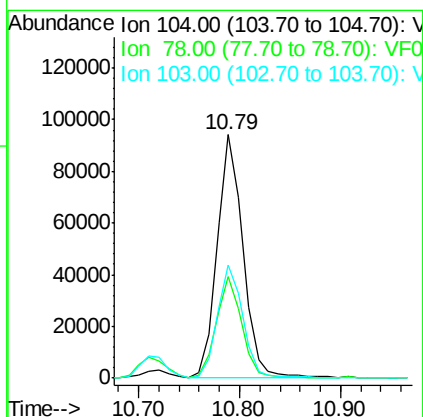
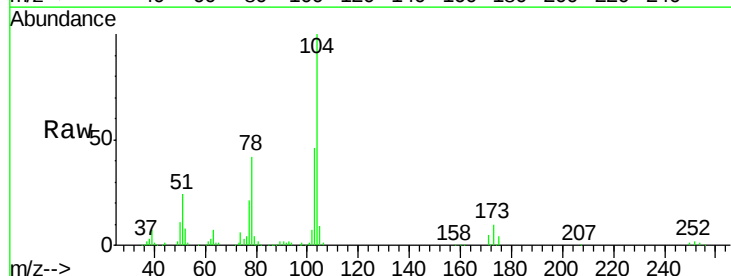
Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

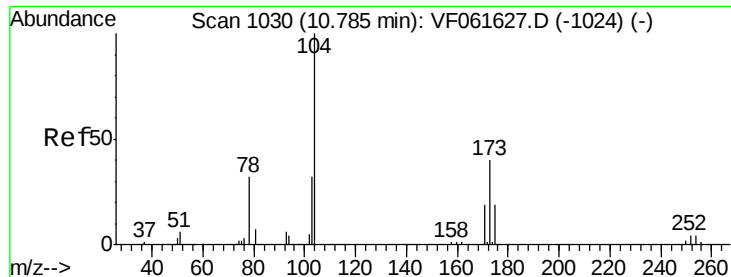
Tot Ion:106 Resp: 121868
Ion Ratio Lower Upper
106 100
91 213.5 100.1 300.1



#70
Styrene
Concen: 19.849 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VF061695.D
Acq: 21 Feb 2019 13:46

Tgt Ion:104 Resp: 168387
Ion Ratio Lower Upper
104 100
78 41.8 33.2 49.8
103 46.5 37.2 55.8





#71

Bromoform

Concen: 18.396 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.02 min

Lab File: VF061695.D

Acq: 21 Feb 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

VF0221SBS01

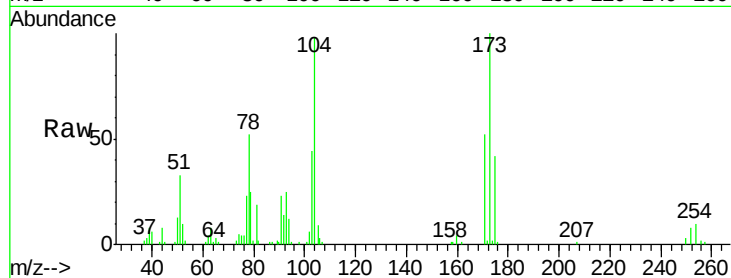
Tot Ion:173 Resp: 34565

Ion Ratio Lower Upper

173 100

175 41.9 24.0 72.0

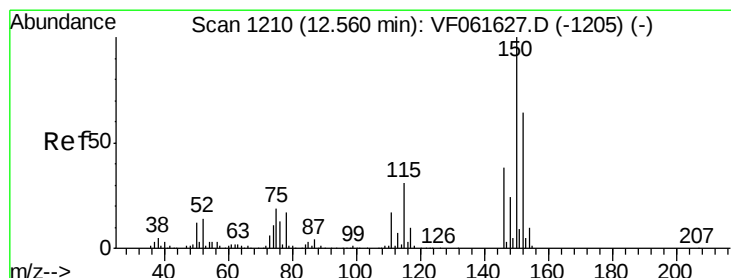
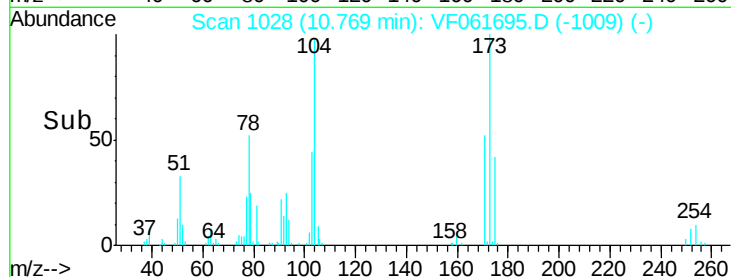
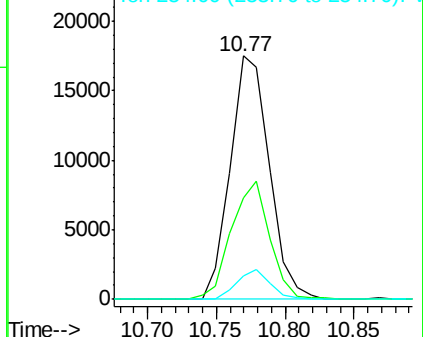
254 9.5 8.2 12.2



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: 12.55 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VF061695.D

Acq: 21 Feb 2019 13:46

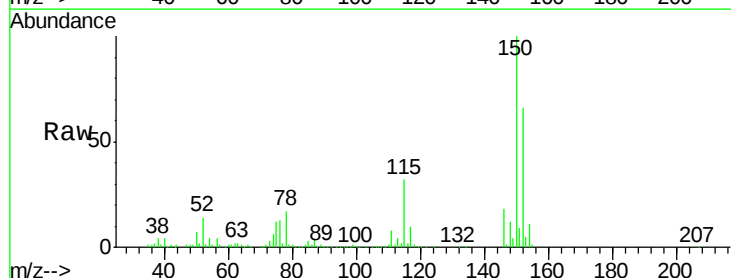
Tgt Ion:152 Resp: 251626

Ion Ratio Lower Upper

152 100

115 48.3 24.3 72.8

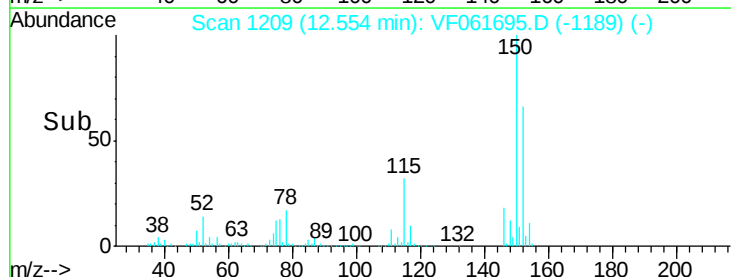
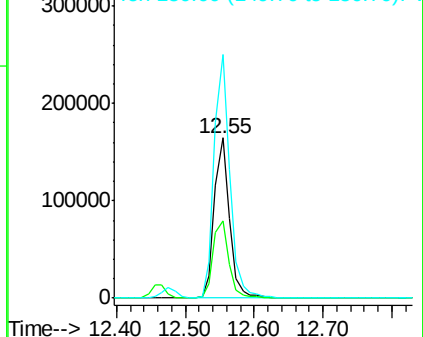
150 152.0 0.0 312.0

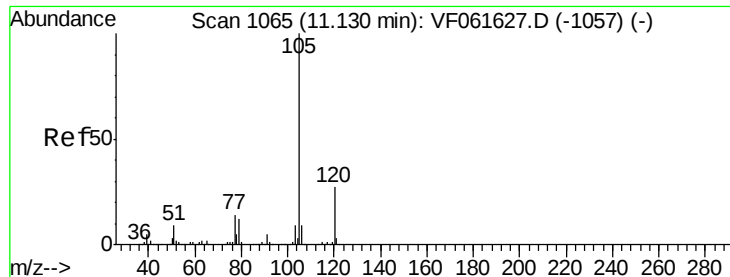


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 19.172 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.01 min

Lab File: VF061695.D

Acq: 21 Feb 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

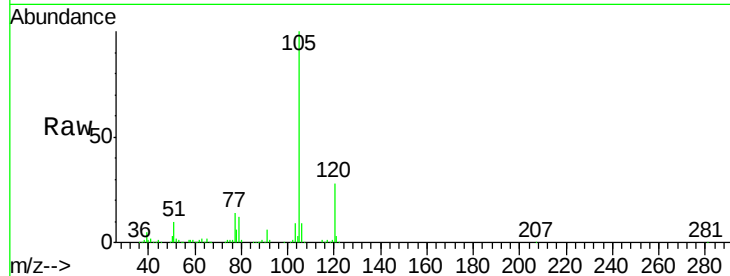
VF0221SBS01

Tot Ion:105 Resp: 343476

Ion Ratio Lower Upper

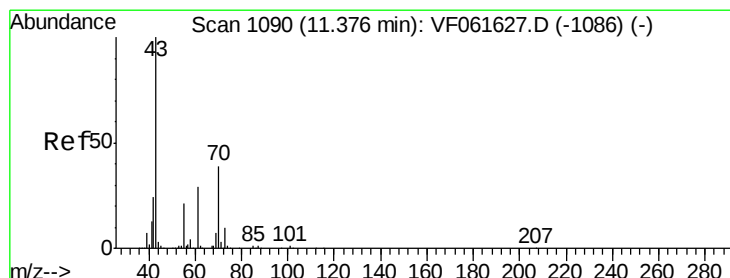
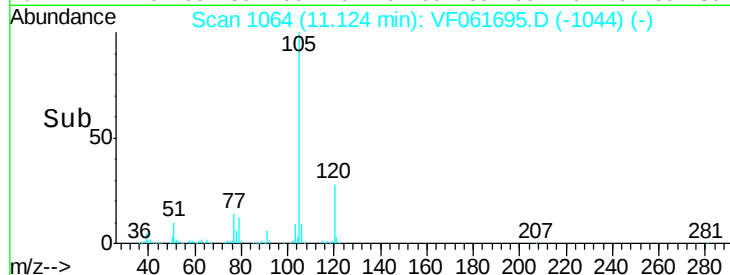
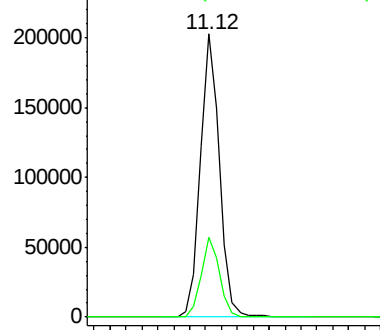
105 100

120 28.1 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: 17.710 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VF061695.D

Acq: 21 Feb 2019 13:46

Tgt Ion: 43 Resp: 76153

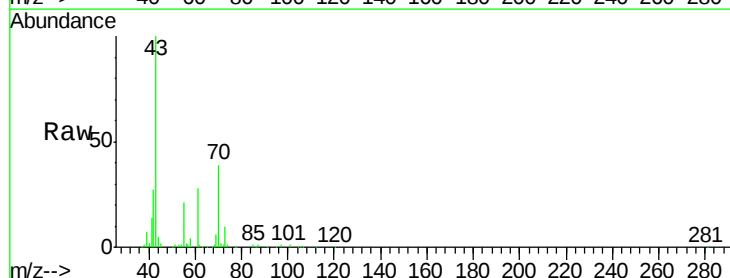
Ion Ratio Lower Upper

43 100

70 38.5 31.5 47.3

55 20.5 16.7 25.1

61 27.8 23.0 34.6

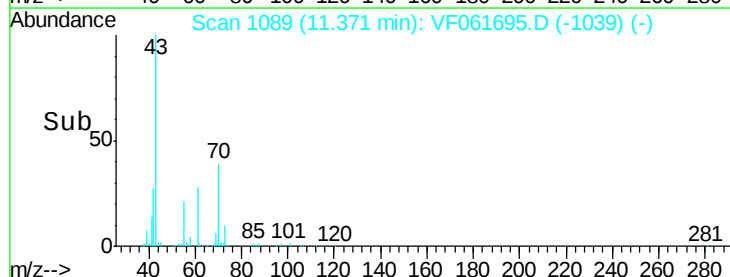
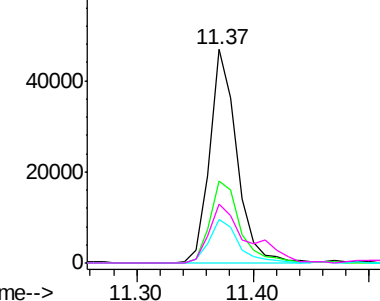


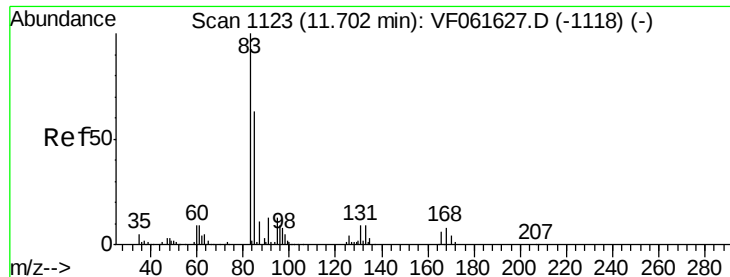
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 17.597 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF061695.D

Acq: 21 Feb 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

VF0221SBS01

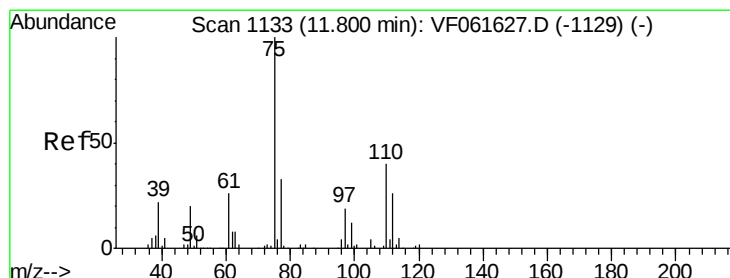
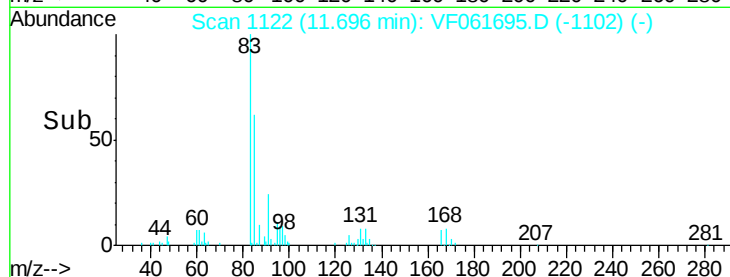
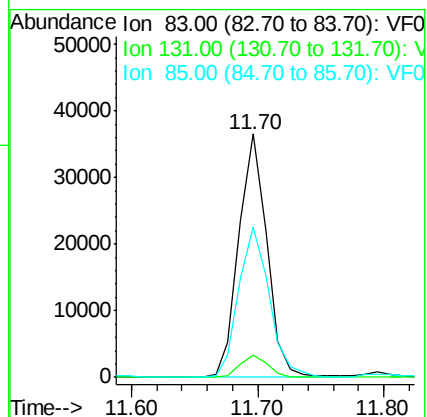
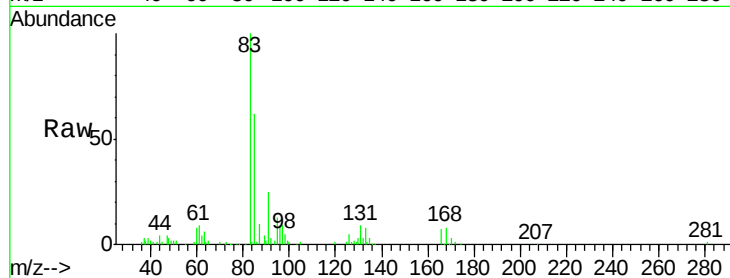
Tot Ion: 83 Resp: 56478

Ion Ratio Lower Upper

83 100

131 8.9 4.4 13.2

85 61.9 31.5 94.5



#76

1,2,3-Trichloropropane

Concen: 18.039 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.01 min

Lab File: VF061695.D

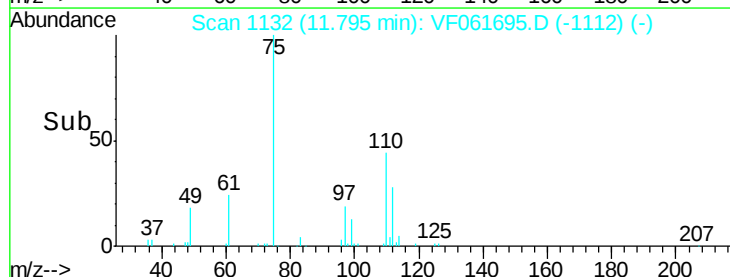
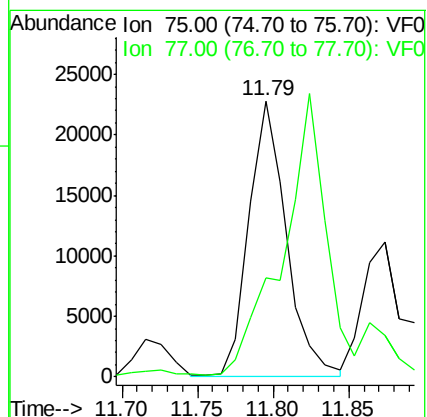
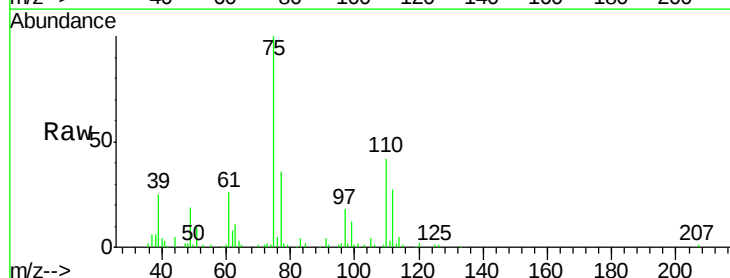
Acq: 21 Feb 2019 13:46

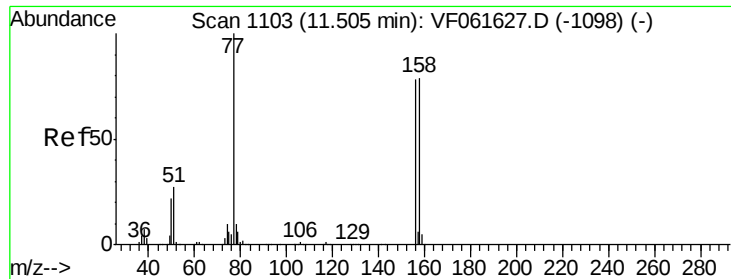
Tgt Ion: 75 Resp: 39363

Ion Ratio Lower Upper

75 100

77 35.7 16.6 49.7





#77

Bromobenzene

Concen: 19.369 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VF061695.D

Acq: 21 Feb 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

VF0221SBS01

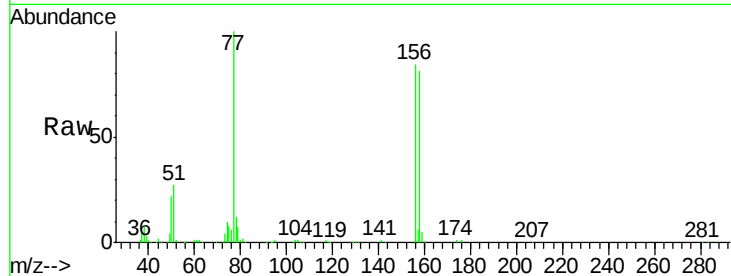
Tot Ion:156 Resp: 85727

Ion Ratio Lower Upper

156 100

77 119.3 64.3 192.7

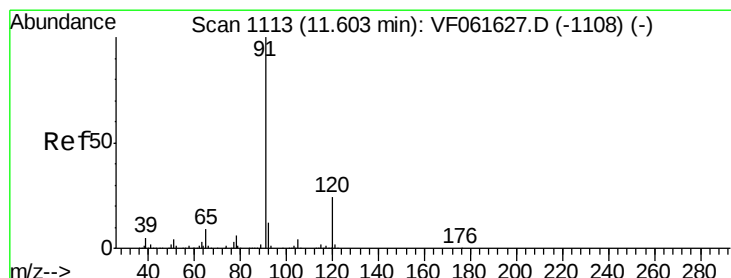
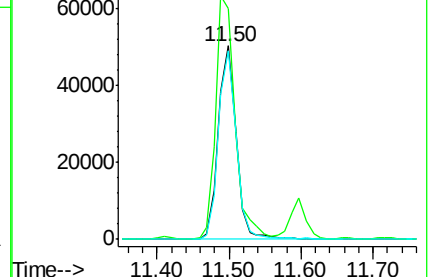
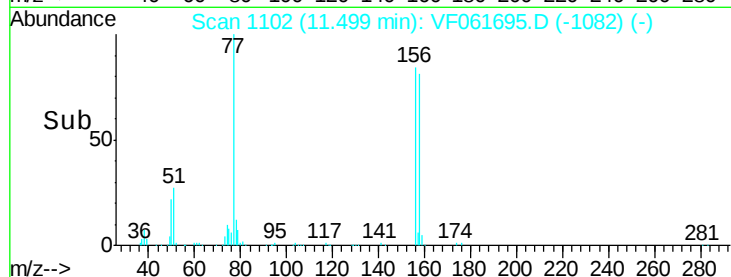
158 97.2 50.9 152.7



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: 20.194 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF061695.D

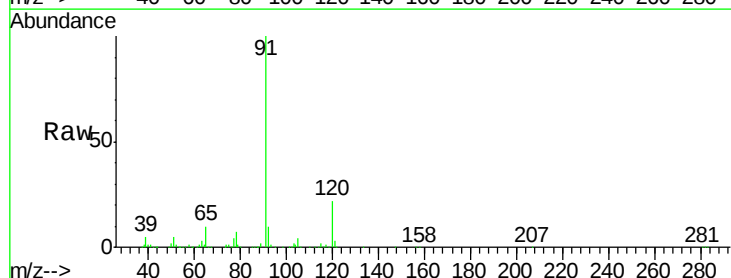
Acq: 21 Feb 2019 13:46

Tgt Ion: 91 Resp: 415151

Ion Ratio Lower Upper

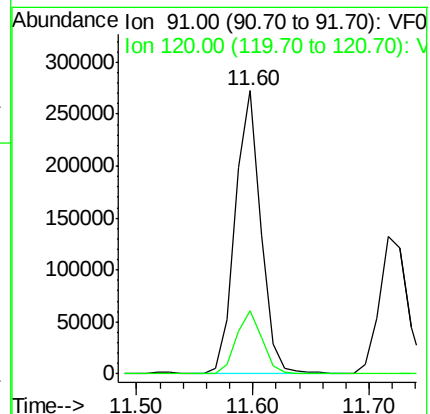
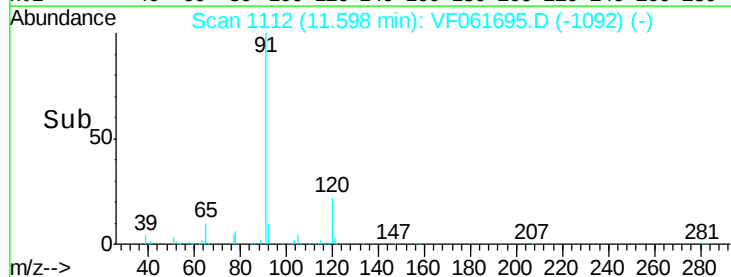
91 100

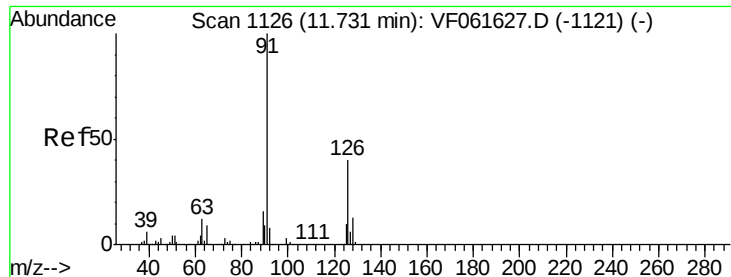
120 22.4 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.077 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. -0.02 min

Lab File: VF061695.D

Acq: 21 Feb 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

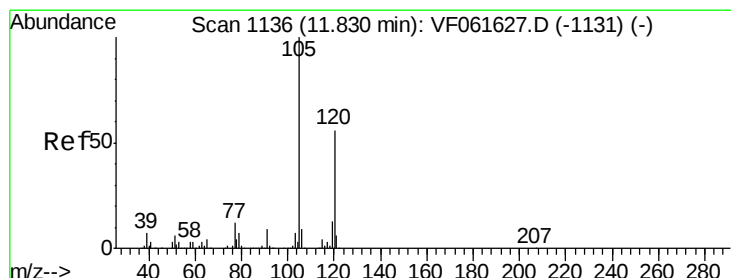
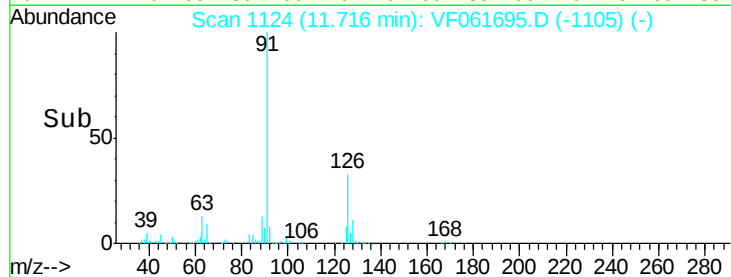
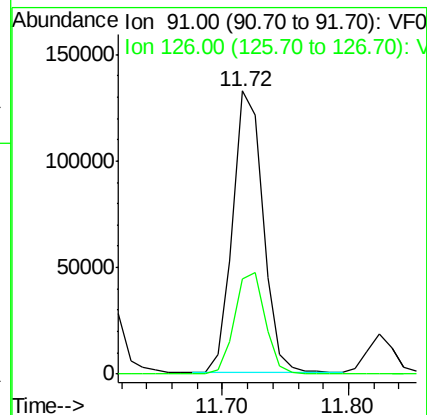
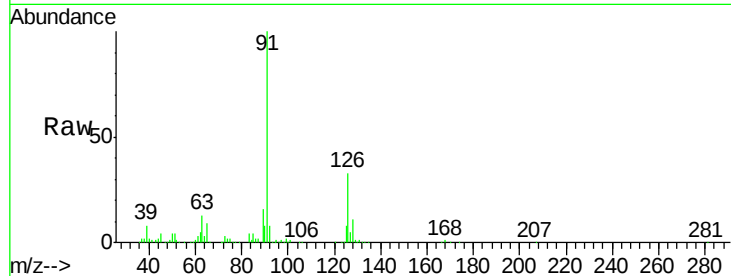
VF0221SBS01

Tot Ion: 91 Resp: 219645

Ion Ratio Lower Upper

91 100

126 33.5 19.8 59.4



#80

1,3,5-Trimethylbenzene

Concen: 19.947 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.01 min

Lab File: VF061695.D

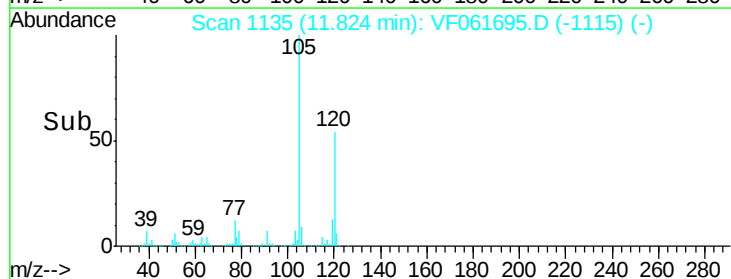
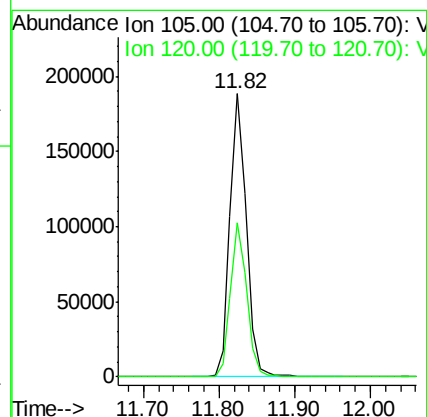
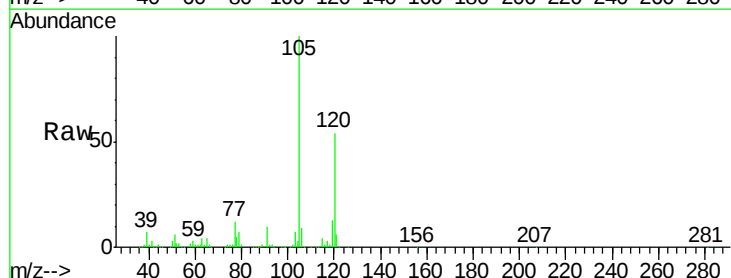
Acq: 21 Feb 2019 13:46

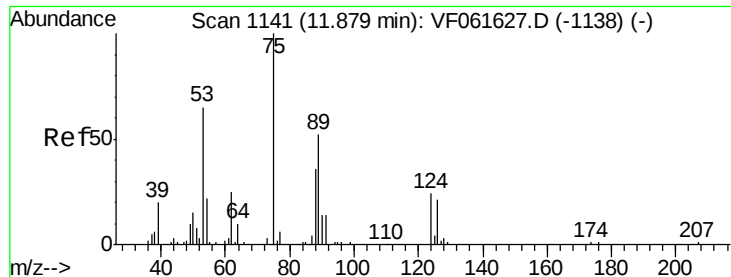
Tgt Ion:105 Resp: 285615

Ion Ratio Lower Upper

105 100

120 54.3 27.9 83.6

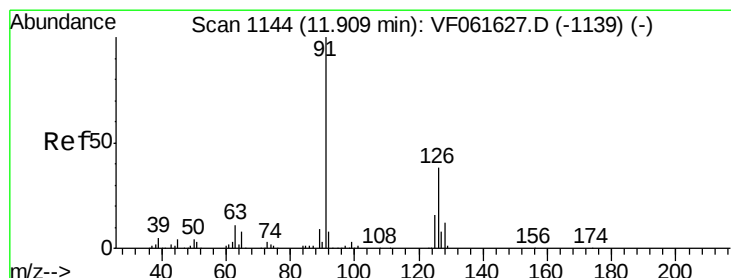
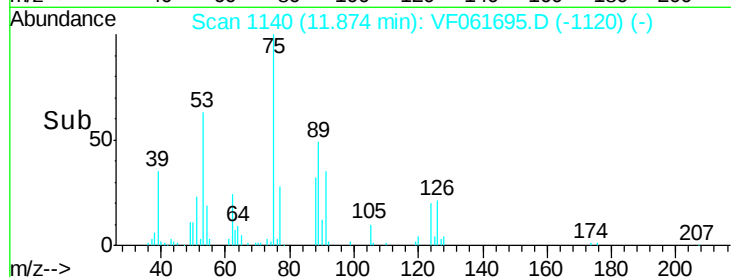
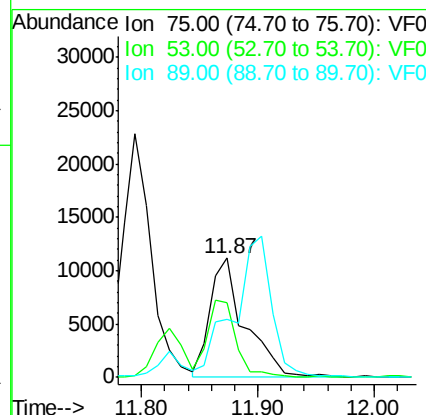
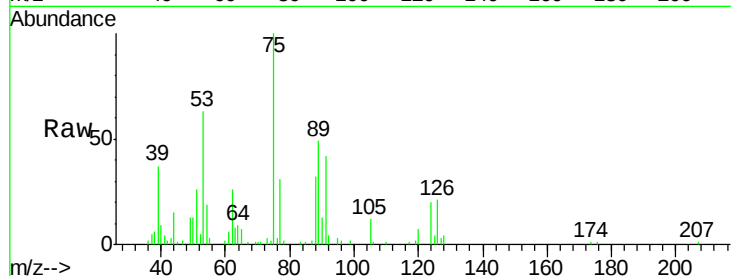




#81
trans-1,4-Dichloro-2-butene
Concen: 22.435 ug/l
RT: 11.87 min Scan# 1140
Delta R.T. -0.01 min
Lab File: VF061695.D
Acq: 21 Feb 2019 13:46

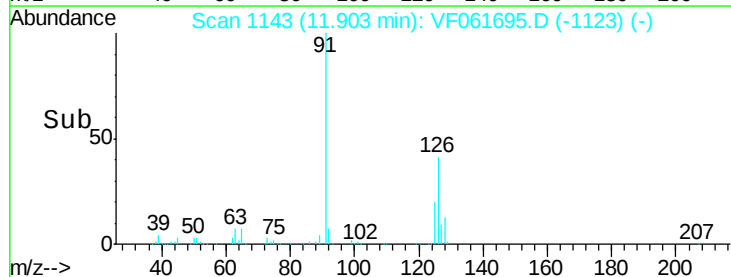
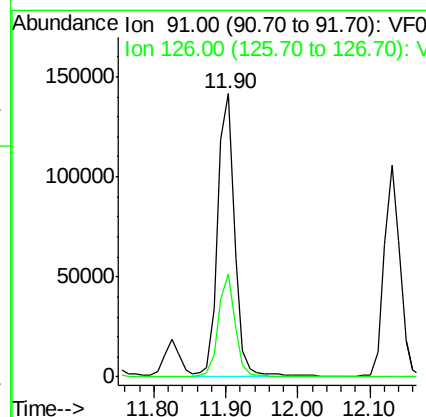
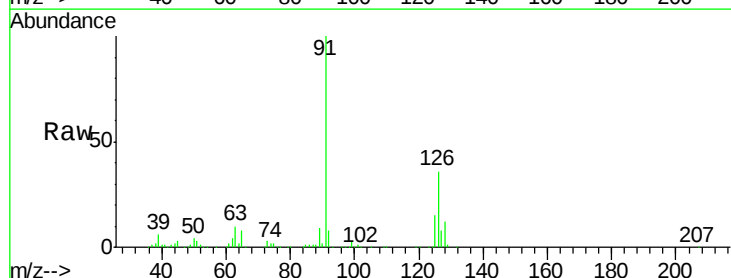
Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

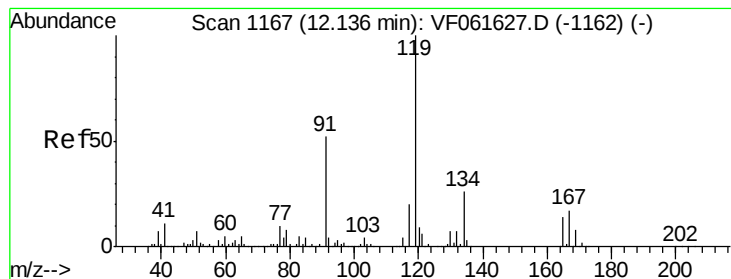
Tot Ion: 75 Resp: 23470
Ion Ratio Lower Upper
75 100
53 63.0 53.7 80.5
89 49.2 41.6 62.4



#82
4-Chlorotoluene
Concen: 19.027 ug/l
RT: 11.90 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VF061695.D
Acq: 21 Feb 2019 13:46

Tgt Ion: 91 Resp: 227378
Ion Ratio Lower Upper
91 100
126 36.4 19.1 57.1





#83

tert-Butylbenzene

Concen: 19.357 ug/l

RT: 12.13 min Scan# 1166

Delta R.T. -0.01 min

Lab File: VF061695.D

Acq: 21 Feb 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

VF0221SBS01

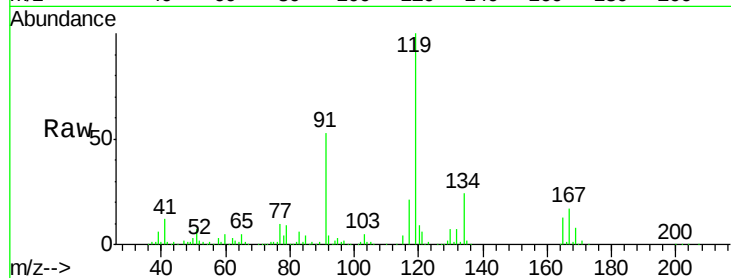
Tot Ion:119 Resp: 306988

Ion Ratio Lower Upper

119 100

91 53.0 26.3 78.8

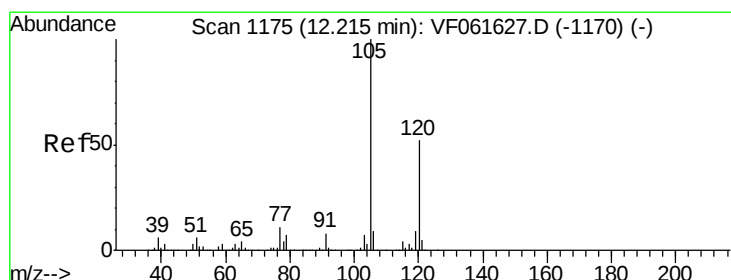
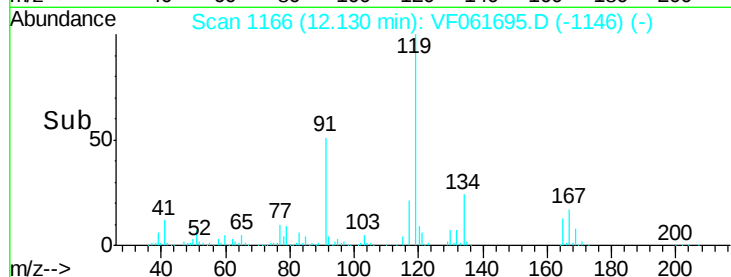
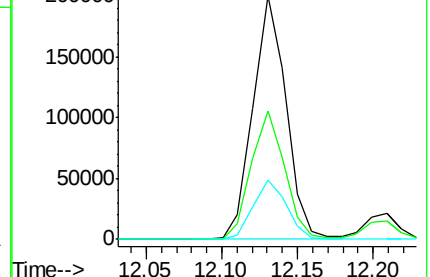
134 24.1 12.9 38.7



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: 19.331 ug/l

RT: 12.21 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VF061695.D

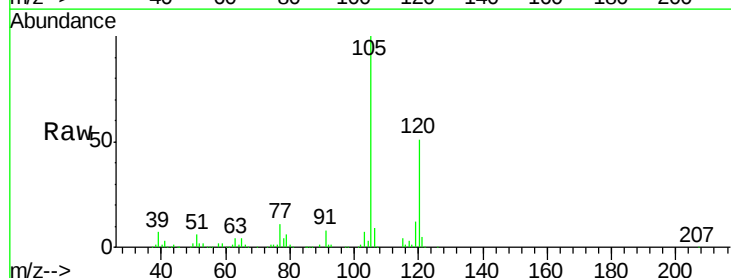
Acq: 21 Feb 2019 13:46

Tgt Ion:105 Resp: 274983

Ion Ratio Lower Upper

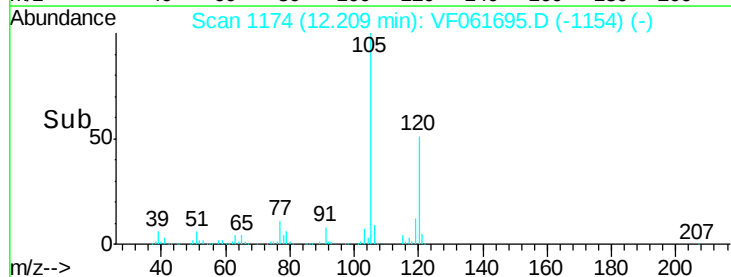
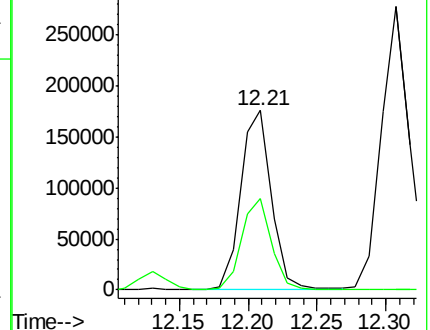
105 100

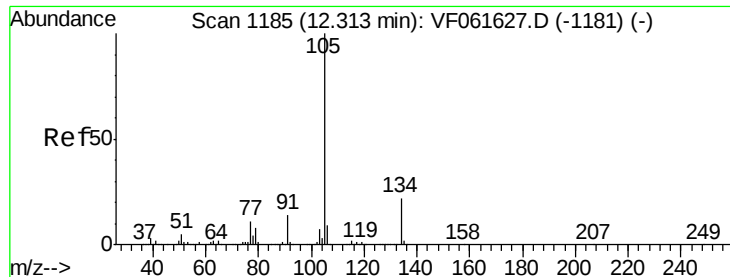
120 51.3 26.1 78.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.373 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VF061695.D

Acq: 21 Feb 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

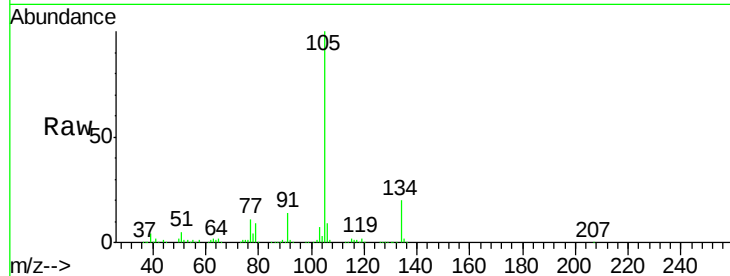
VF0221SBS01

Tot Ion:105 Resp: 397311

Ion Ratio Lower Upper

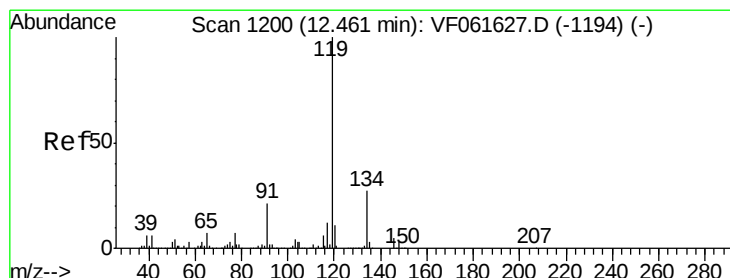
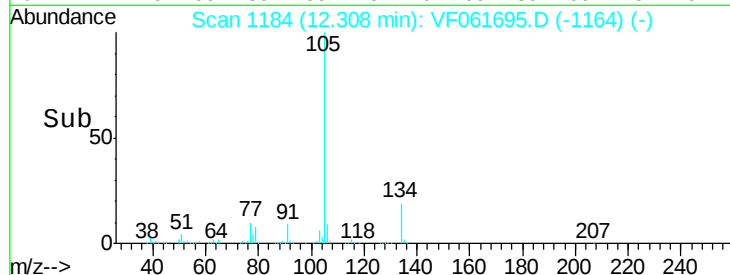
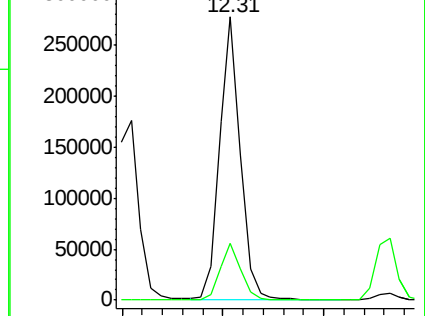
105 100

134 20.1 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: 20.594 ug/l

RT: 12.47 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VF061695.D

Acq: 21 Feb 2019 13:46

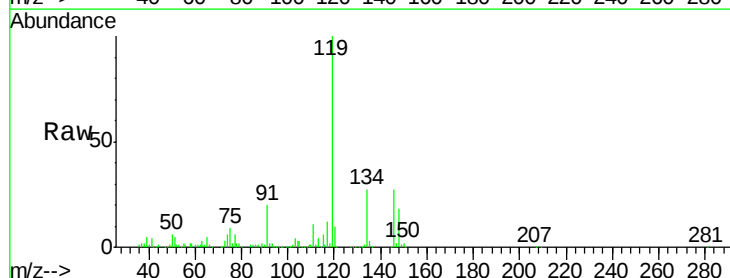
Tgt Ion:119 Resp: 354457

Ion Ratio Lower Upper

119 100

134 27.4 13.7 41.1

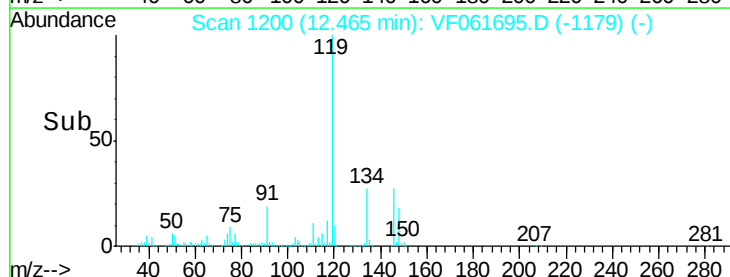
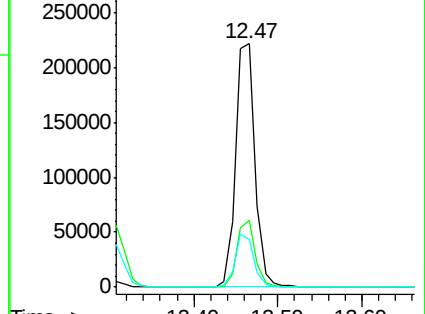
91 19.5 10.8 32.4

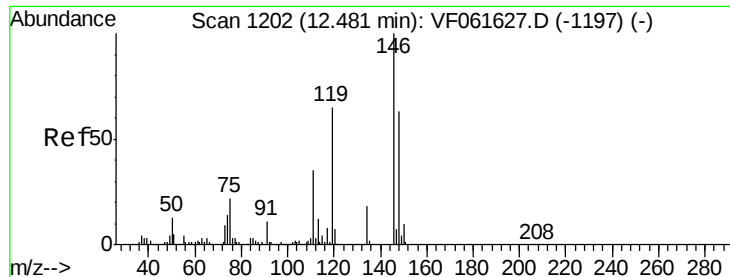


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: 19.397 ug/l

RT: 12.48 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF061695.D

Acq: 21 Feb 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

VF0221SBS01

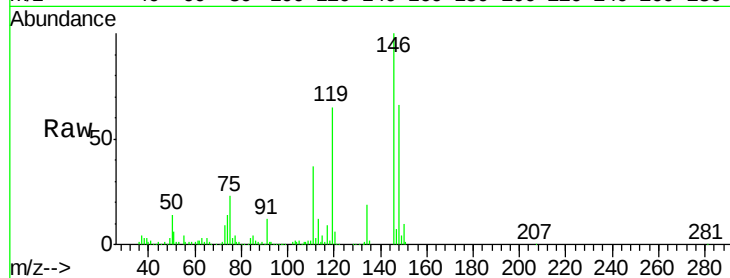
Tot Ion:146 Resp: 167364

Ion Ratio Lower Upper

146 100

111 37.1 17.5 52.6

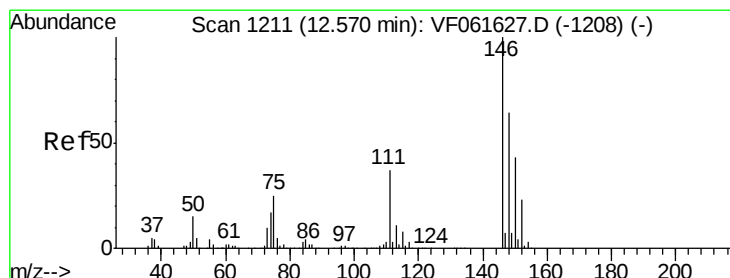
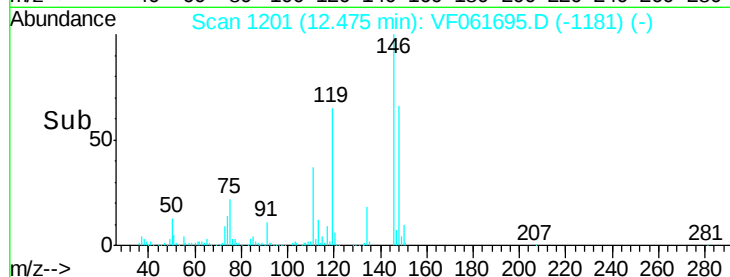
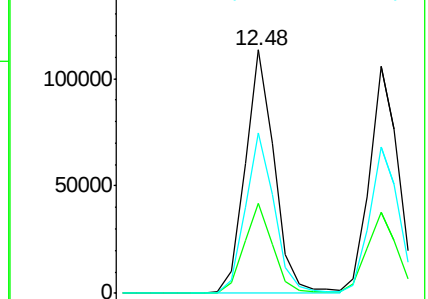
148 65.8 31.4 94.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 19.051 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. -0.01 min

Lab File: VF061695.D

Acq: 21 Feb 2019 13:46

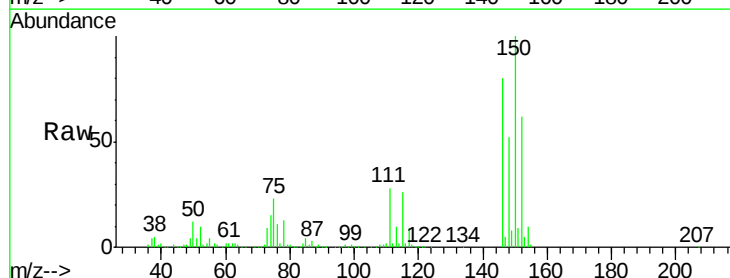
Tgt Ion:146 Resp: 158083

Ion Ratio Lower Upper

146 100

111 35.5 18.4 55.4

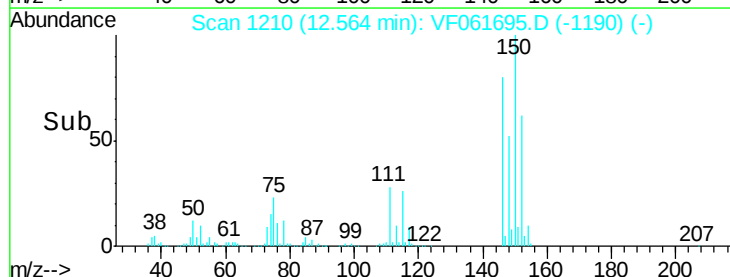
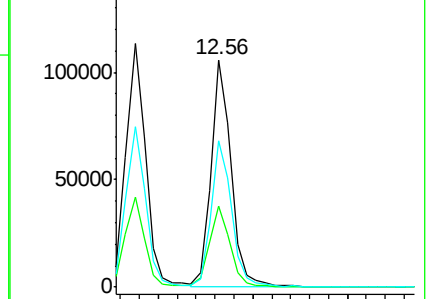
148 64.5 32.2 96.6

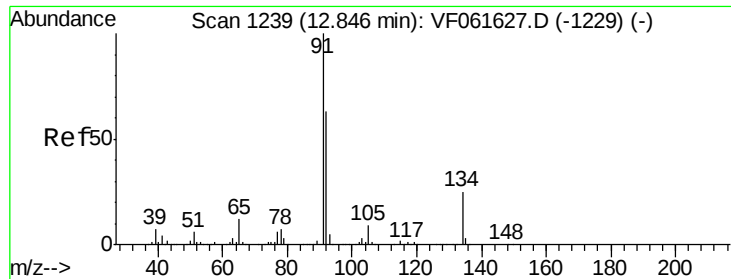


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

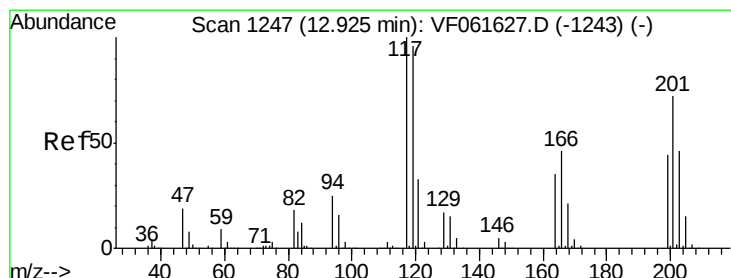
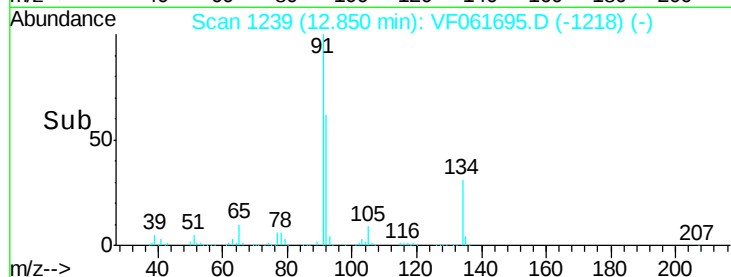
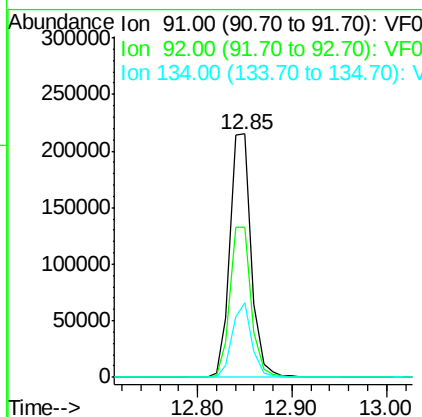
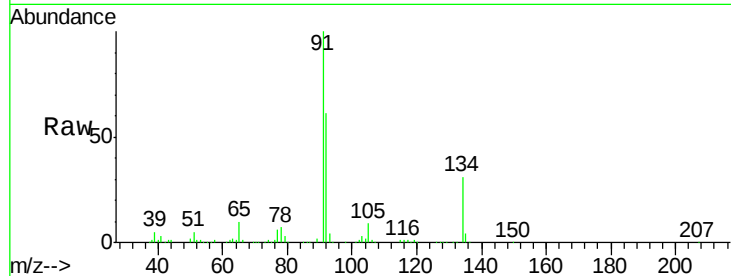




#89
n-Butylbenzene
Concen: 20.841 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. 0.00 min
Lab File: VF061695.D
Acq: 21 Feb 2019 13:46

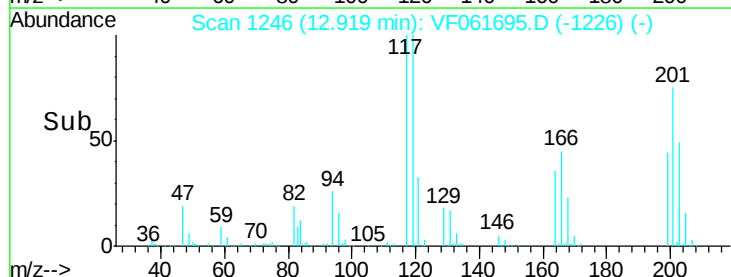
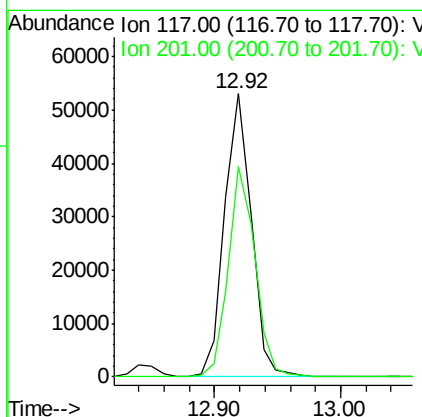
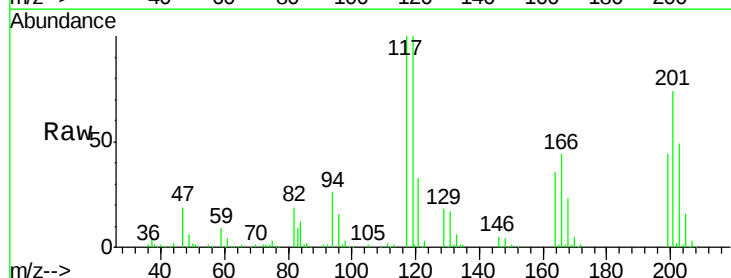
Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

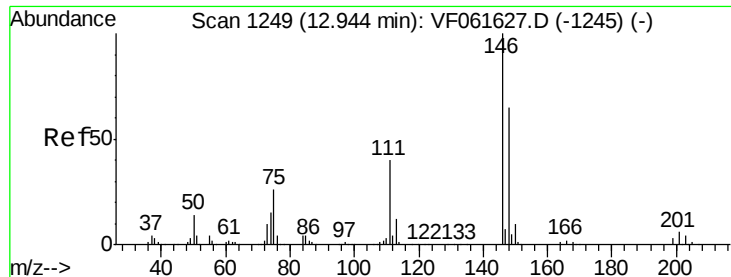
Tot Ion: 91 Resp: 338716
Ion Ratio Lower Upper
91 100
92 61.4 31.4 94.3
134 30.8 12.3 36.9



#90
Hexachloroethane
Concen: 19.540 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. -0.01 min
Lab File: VF061695.D
Acq: 21 Feb 2019 13:46

Tgt Ion: 117 Resp: 78217
Ion Ratio Lower Upper
117 100
201 74.3 36.2 108.6





#91

1,2-Dichlorobenzene

Concen: 19.042 ug/l

RT: 12.94 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VF061695.D

Acq: 21 Feb 2019 13:46

Instrument :

MSVOA_F

ClientSampleId :

VF0221SBS01

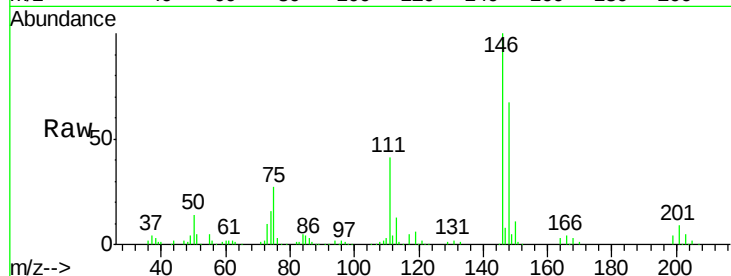
Tot Ion:146 Resp: 156274

Ion Ratio Lower Upper

146 100

111 41.5 20.2 60.5

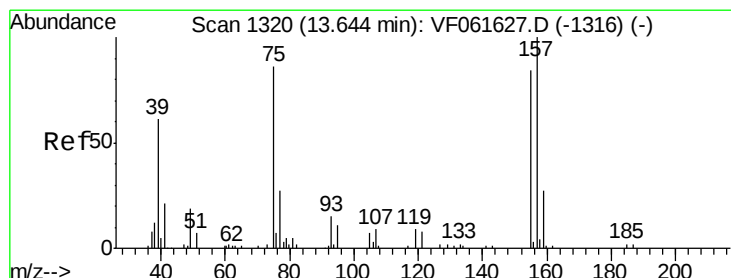
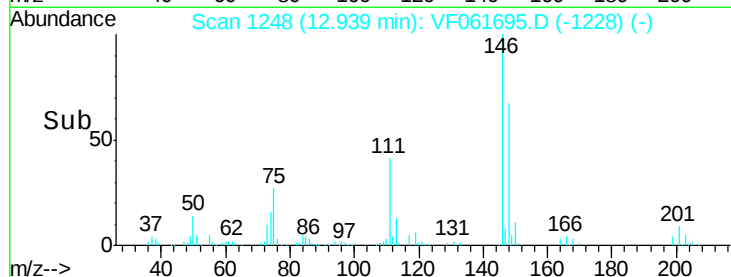
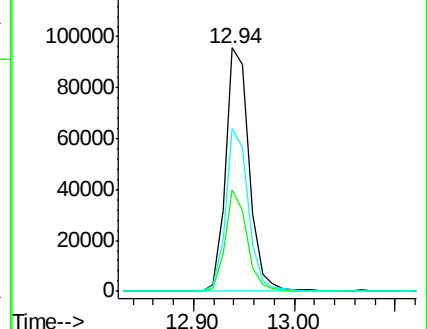
148 66.8 32.3 96.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.751 ug/l

RT: 13.65 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VF061695.D

Acq: 21 Feb 2019 13:46

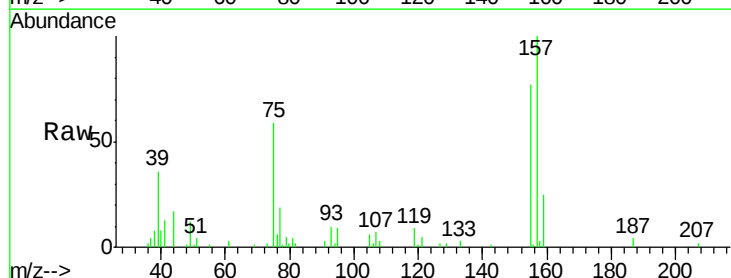
Tgt Ion: 75 Resp: 9542

Ion Ratio Lower Upper

75 100

155 130.4 48.9 146.8

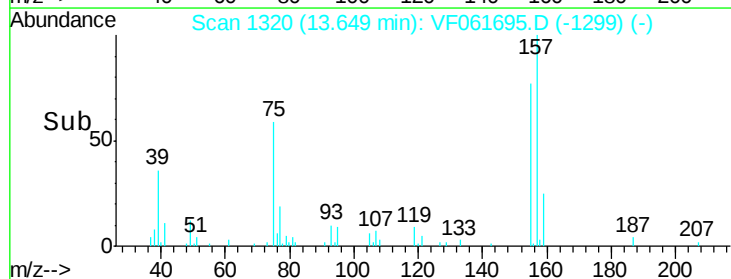
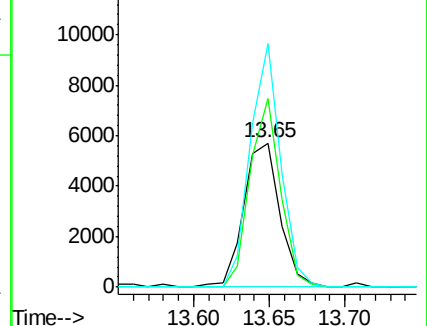
157 168.7 58.3 174.8

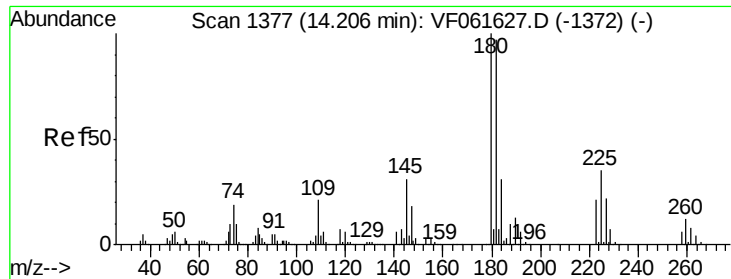


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

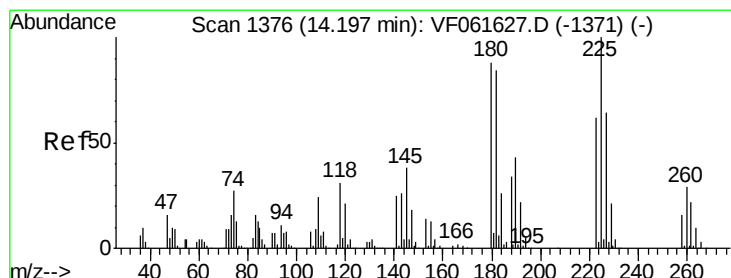
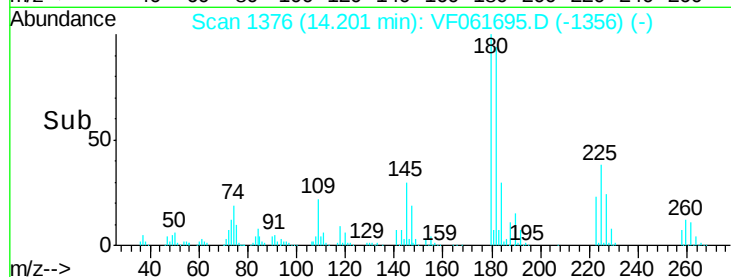
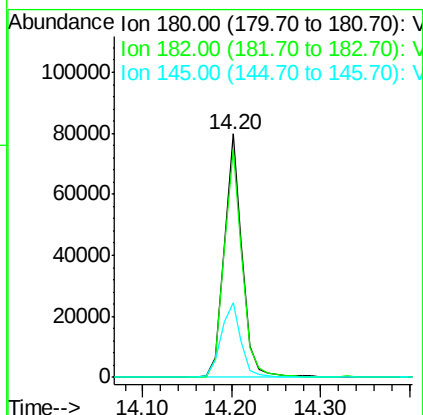
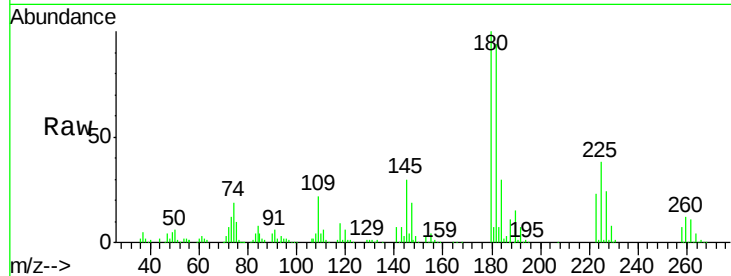




#93
 1,2,4-Trichlorobenzene
 Concen: 19.224 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF061695.D
 Acq: 21 Feb 2019 13:46

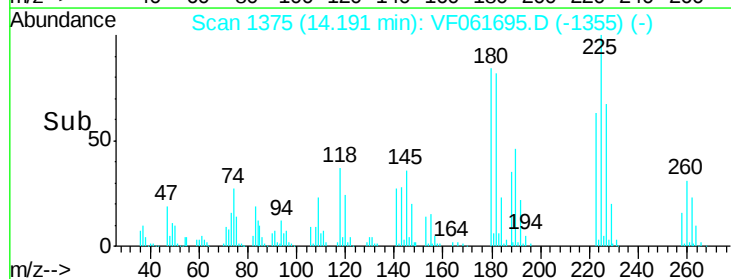
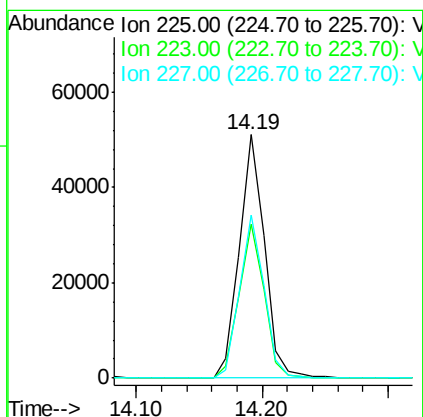
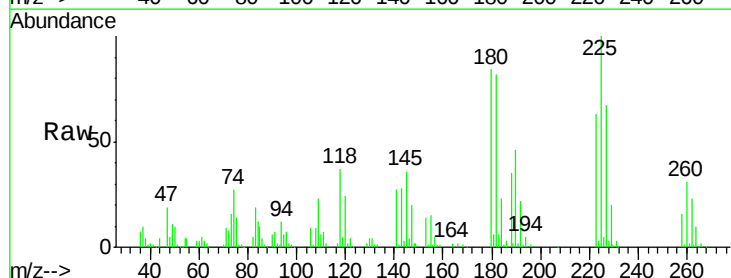
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0221SBS01

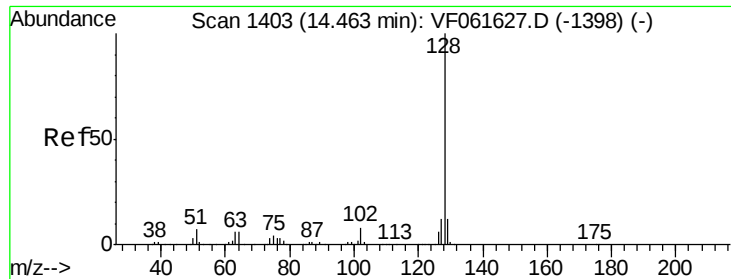
Tot Ion:180 Resp: 113084
 Ion Ratio Lower Upper
 180 100
 182 93.6 48.6 145.9
 145 30.4 15.3 45.9



#94
 Hexachlorobutadiene
 Concen: 19.437 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF061695.D
 Acq: 21 Feb 2019 13:46

Tgt Ion:225 Resp: 70615
 Ion Ratio Lower Upper
 225 100
 223 63.4 30.9 92.7
 227 66.7 32.1 96.3

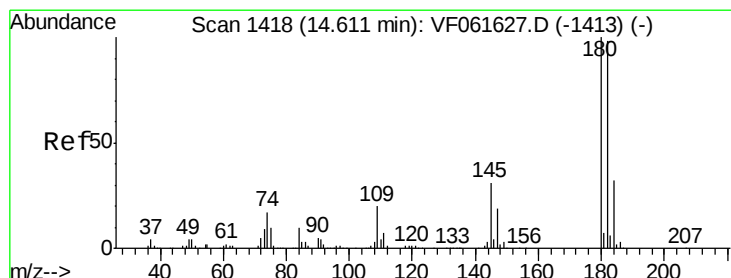
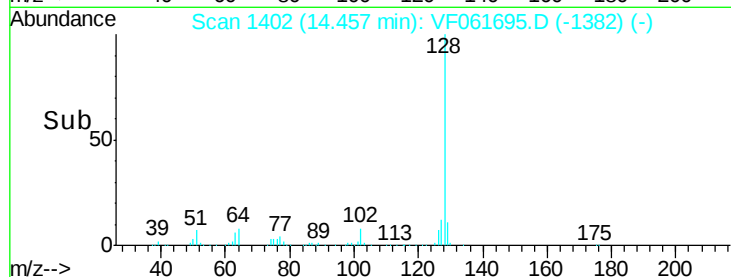
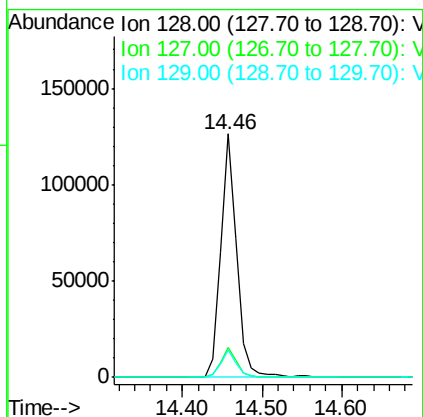
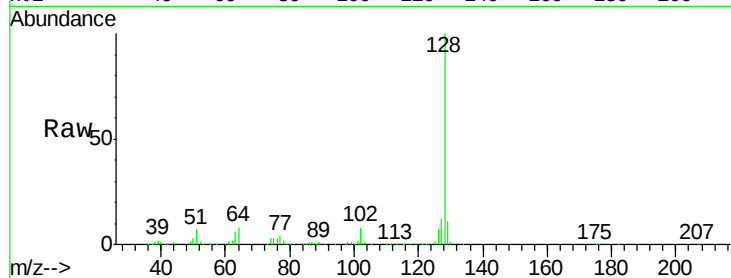




#95
Naphthalene
Concen: 17.439 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.01 min
Lab File: VF061695.D
Acq: 21 Feb 2019 13:46

Instrument :
MSVOA_F
ClientSampleId :
VF0221SBS01

Tot Ion:128 Resp: 179484
Ion Ratio Lower Upper
128 100
127 12.5 9.8 14.6
129 11.5 9.4 14.2



#96
1,2,3-Trichlorobenzene
Concen: 18.185 ug/l
RT: 14.61 min Scan# 1417
Delta R.T. -0.01 min
Lab File: VF061695.D
Acq: 21 Feb 2019 13:46

Tgt Ion:180 Resp: 98186
Ion Ratio Lower Upper
180 100
182 97.6 49.0 147.2
145 30.7 15.4 46.1

