

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF043019\
 Data File : VF062337.D
 Acq On : 30 Apr 2019 17:51
 Operator : FY/SY
 Sample : VF0430SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0430SBS01

Quant Time: May 01 07:58:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 08:40:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	332625	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.76	114	451587	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.89	117	376069	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.60	152	234905	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	154222	57.24	ug/l	-0.03
Spiked Amount 50.000			Recovery =	114.48%		
35) Dibromofluoromethane	4.30	113	173828	51.92	ug/l	-0.03
Spiked Amount 50.000			Recovery =	103.84%		
50) Toluene-d8	7.70	98	389139	47.58	ug/l	-0.03
Spiked Amount 50.000			Recovery =	95.16%		
62) 4-Bromofluorobenzene	11.48	95	175095	51.94	ug/l	-0.03
Spiked Amount 50.000			Recovery =	103.88%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	90292	22.842	ug/l	93
3) Chloromethane	1.14	50	56456	16.954	ug/l	95
4) Vinyl Chloride	1.19	62	60140	19.069	ug/l	96
5) Bromomethane	1.39	94	40833	19.065	ug/l	97
6) Chloroethane	1.43	64	29145	21.081	ug/l	93
7) Trichlorofluoromethane	1.55	101	110425	22.034	ug/l	94
8) Diethyl Ether	1.70	74	15388	16.949	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.90	101	69275	22.027	ug/l	98
10) Methyl Iodide	1.97	142	111018	20.195	ug/l	93
11) Tert butyl alcohol	2.70	59	19779	121.357	ug/l	95
12) 1,1-Dichloroethene	1.86	96	53862	19.194	ug/l	90
13) Acrolein	2.10	56	10783	76.489	ug/l	88
14) Allyl chloride	2.19	41	59970	19.637	ug/l #	4
15) Acrylonitrile	3.08	53	39757	88.073	ug/l	96
16) Acetone	2.34	43	66209	109.755	ug/l #	88
17) Carbon Disulfide	1.91	76	129277	17.504	ug/l	98
18) Methyl Acetate	2.45	43	25346	20.850	ug/l	97
19) Methyl tert-butyl Ether	2.54	73	112773	21.080	ug/l	98
20) Methylene Chloride	2.31	84	54619m	17.809	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	51805	18.680	ug/l	96
22) Diisopropyl ether	2.93	45	157869	19.202	ug/l	98
23) Vinyl Acetate	3.33	43	358988	98.467	ug/l	98
24) 1,1-Dichloroethane	3.00	63	96816	20.632	ug/l	99
25) 2-Butanone	4.52	43	90975	95.111	ug/l	94
26) 2,2-Dichloropropane	3.75	77	52743	21.644	ug/l	97
27) cis-1,2-Dichloroethene	3.63	96	62892	17.908	ug/l	93
28) Bromochloromethane	3.89	49	37632	19.031	ug/l #	92
29) Tetrahydrofuran	4.27	42	40419	96.170	ug/l	97
30) Chloroform	4.04	83	126824	21.523	ug/l	92
31) Cyclohexane	3.86	56	78776	17.643	ug/l	97
32) 1,1,1-Trichloroethane	4.28	97	109993m	23.776	ug/l	
36) 1,1-Dichloropropene	4.45	75	82677	19.844	ug/l	97
37) Ethyl Acetate	4.30	43	37668	21.491	ug/l #	3
38) Carbon Tetrachloride	4.17	117	102423m	24.182	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	86854	17.858	ug/l	97
40) Benzene	4.81	78	181833	18.064	ug/l	98
41) Methacrylonitrile	4.92	41	19409	19.933	ug/l #	86
42) 1,2-Dichloroethane	5.11	62	76935	24.126	ug/l	100
43) Isopropyl Acetate	7.10	43	39505	21.876	ug/l	99
44) Trichloroethene	5.67	130	70497	20.700	ug/l	100
45) 1,2-Dichloropropane	6.40	63	48142	21.212	ug/l	98
46) Dibromomethane	6.25	93	36434	22.233	ug/l	98
47) Bromodichloromethane	6.54	83	89940	23.346	ug/l	93
48) Methyl methacrylate	6.87	41	24992	19.462	ug/l	90
49) 1,4-Dioxane	6.86	88	5310	359.106	ug/l #	91
51) 4-Methyl-2-Pentanone	8.40	43	152946	110.749	ug/l	98
52) Toluene	7.76	92	116601	20.075	ug/l	93
53) t-1,3-Dichloropropene	8.42	75	70037	24.723	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	79713	21.965	ug/l #	85
55) 1,1,2-Trichloroethane	8.62	97	39338	23.846	ug/l	92
56) Ethyl methacrylate	8.74	69	40428	22.308	ug/l #	87
57) 1,3-Dichloropropane	8.99	76	55783	21.507	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.44	63	64112	116.258	ug/l	98
59) 2-Hexanone	9.61	43	110893	124.418	ug/l	96
60) Dibromochloromethane	8.85	129	61217	22.864	ug/l	97
61) 1,2-Dibromoethane	9.12	107	43573	22.822	ug/l	97
64) Tetrachloroethene	8.29	164	66501	21.141	ug/l	98
65) Chlorobenzene	9.91	112	136744	19.898	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.05	131	65438	20.216	ug/l	97
67) Ethyl Benzene	10.01	91	241520	20.215	ug/l	98
68) m/p-Xylenes	10.25	106	181792	40.869	ug/l	88
69) o-Xylene	10.81	106	100563	20.236	ug/l	99
70) Styrene	10.88	104	146784	20.432	ug/l	95
71) Bromoform	10.87	173	38983	21.395	ug/l #	95
73) Isopropylbenzene	11.21	105	305092	18.956	ug/l	100
74) N-amyl acetate	11.44	43	75955	20.482	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.76	83	45596	17.832	ug/l	95
76) 1,2,3-Trichloropropane	11.86	75	34833	19.200	ug/l #	100
77) Bromobenzene	11.57	156	79946	19.870	ug/l	95
78) n-propylbenzene	11.66	91	322756	19.059	ug/l	100
79) 2-Chlorotoluene	11.79	91	191021	18.726	ug/l	99
80) 1,3,5-Trimethylbenzene	11.89	105	258640	19.036	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.92	75	18041m	22.247	ug/l	
82) 4-Chlorotoluene	11.96	91	209642	20.770	ug/l	98
83) tert-Butylbenzene	12.19	119	274904	19.715	ug/l	98
84) 1,2,4-Trimethylbenzene	12.26	105	249961	18.995	ug/l	96
85) sec-Butylbenzene	12.36	105	336527	19.377	ug/l	98
86) p-Isopropyltoluene	12.51	119	305382	19.613	ug/l	97
87) 1,3-Dichlorobenzene	12.53	146	139818	19.642	ug/l	100
88) 1,4-Dichlorobenzene	12.61	146	142649	21.136	ug/l	99
89) n-Butylbenzene	12.89	91	291060	20.573	ug/l	95
90) Hexachloroethane	12.96	117	76316	19.553	ug/l	97
91) 1,2-Dichlorobenzene	12.99	146	143575	21.013	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.68	75	10188	19.750	ug/l	97

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Thu Apr 25 08:40:59 2019
Response via : Initial Calibration

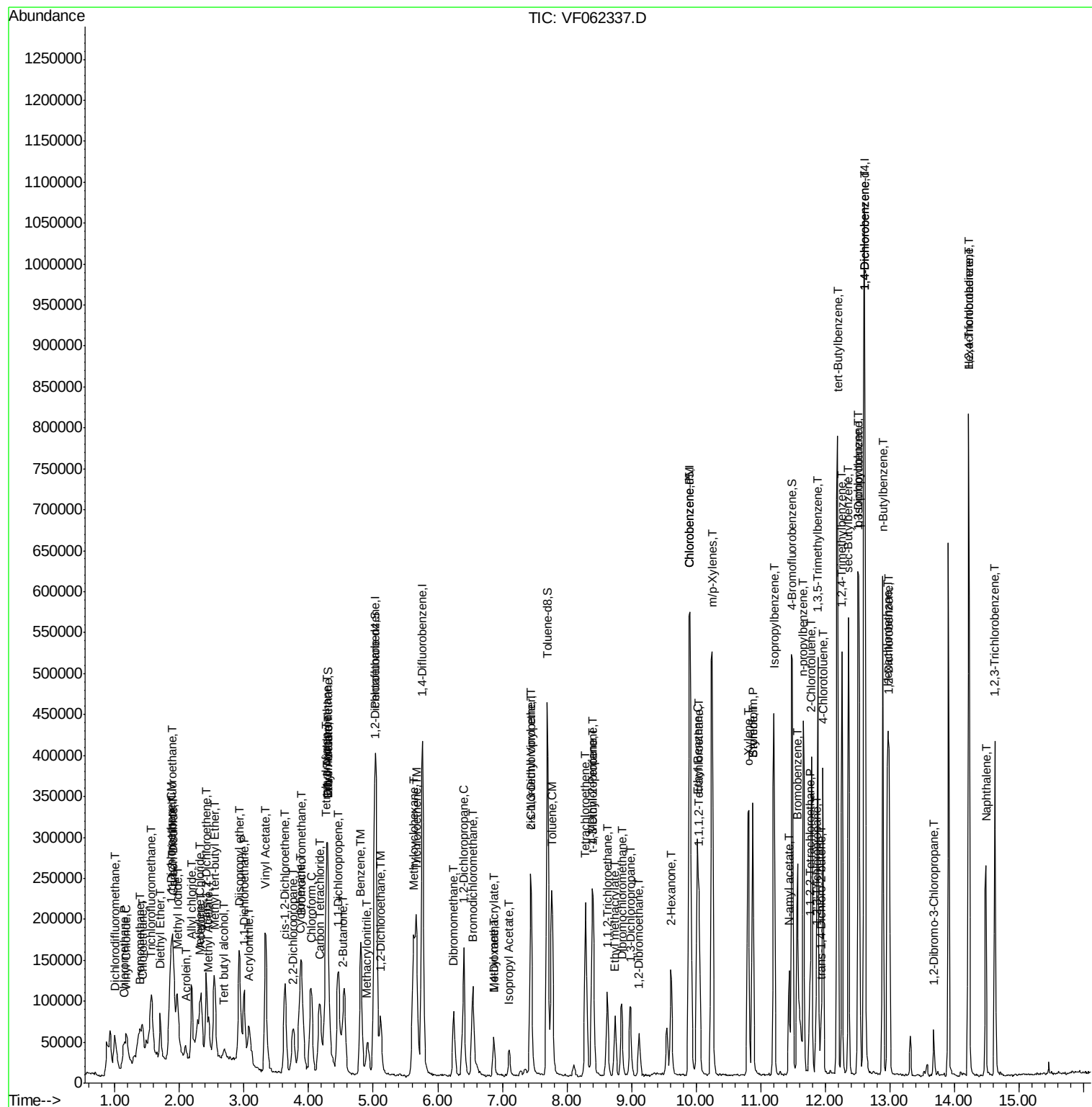
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	130620	21.760	ug/l	100
94) Hexachlorobutadiene	14.22	225	92868	21.512	ug/l	98
95) Naphthalene	14.49	128	189170	20.342	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	122031	21.495	ug/l	98

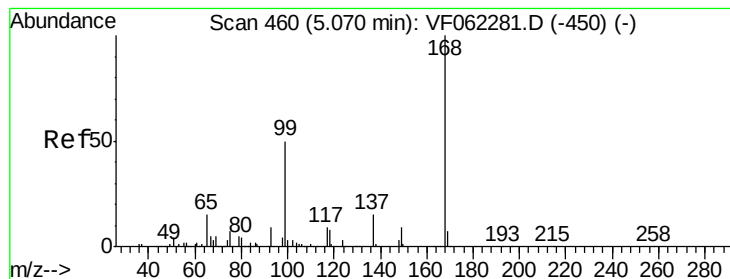
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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Quant Time: May 01 07:58:35 2019
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Quant Title : SW846 8260
QLast Update : Thu Apr 25 08:40:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.03 min

Lab File: VF062337.D

Acq: 30 Apr 2019 17:51

Instrument :

MSVOA_F

ClientSampleId :

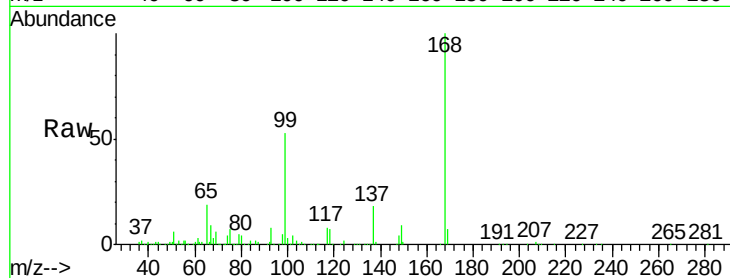
VF0430SBS01

Tot Ion:168 Resp: 332625

Ion Ratio Lower Upper

168 100

99 53.1 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

5.04

120000

100000

80000

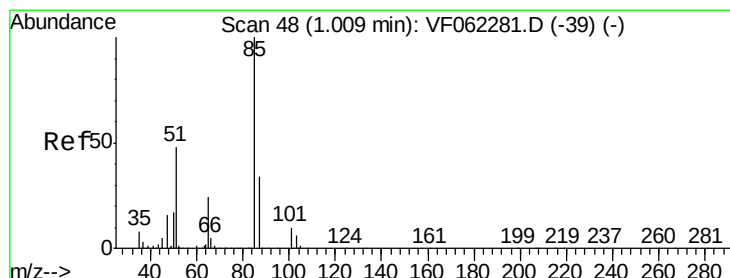
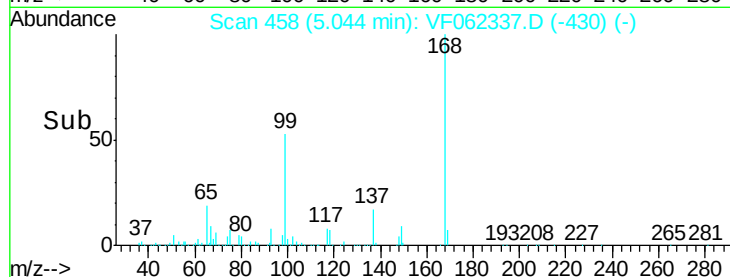
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.842 ug/l

RT: 0.99 min Scan# 47

Delta R.T. -0.02 min

Lab File: VF062337.D

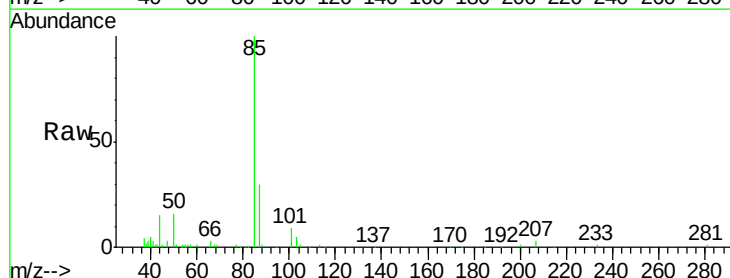
Acq: 30 Apr 2019 17:51

Tgt Ion: 85 Resp: 90292

Ion Ratio Lower Upper

85 100

87 30.3 17.1 51.3



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

0.99

30000

25000

20000

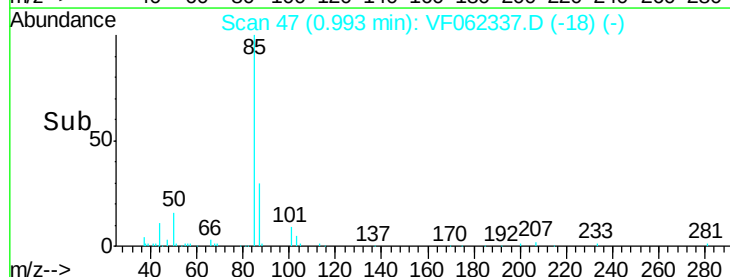
15000

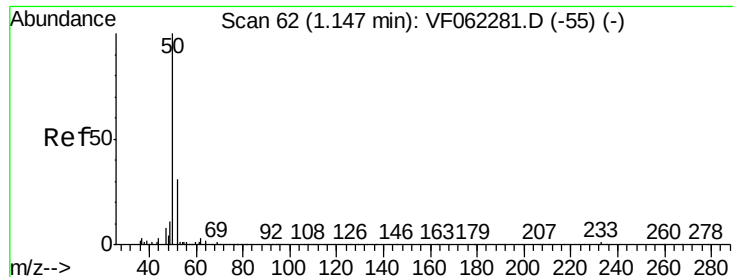
10000

5000

0

Time-->





#3

Chloromethane

Concen: 16.954 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062337.D

Acq: 30 Apr 2019 17:51

Instrument :

MSVOA_F

ClientSampleId :

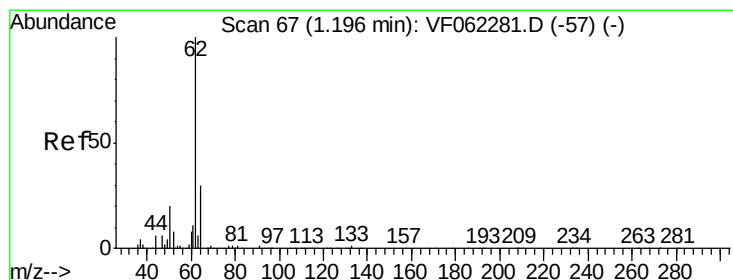
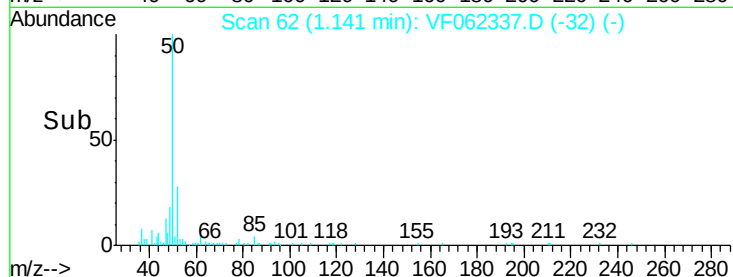
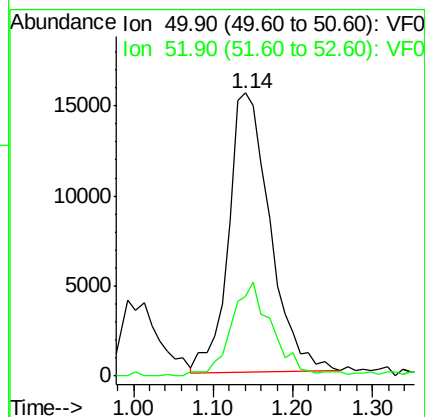
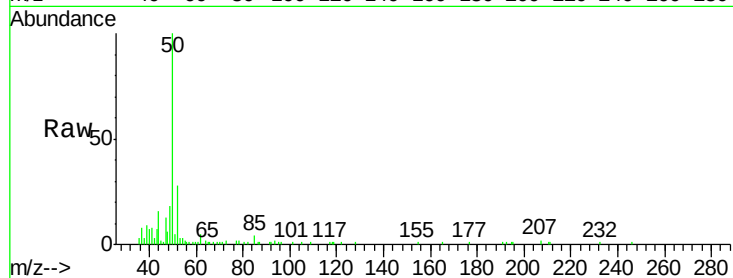
VF0430SBS01

Tot Ion: 50 Resp: 56456

Ion Ratio Lower Upper

50 100

52 27.4 24.2 36.4



#4

Vinyl Chloride

Concen: 19.069 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.01 min

Lab File: VF062337.D

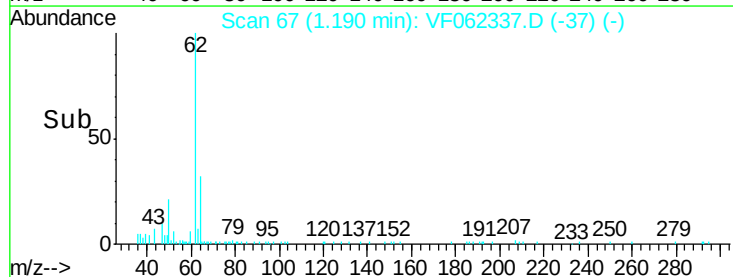
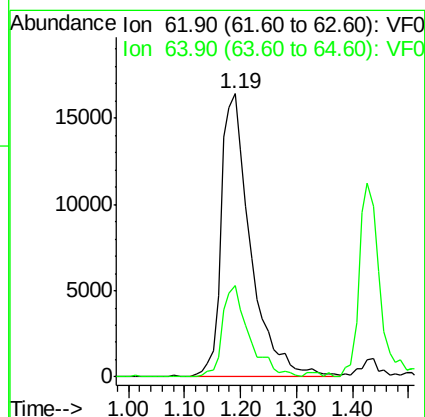
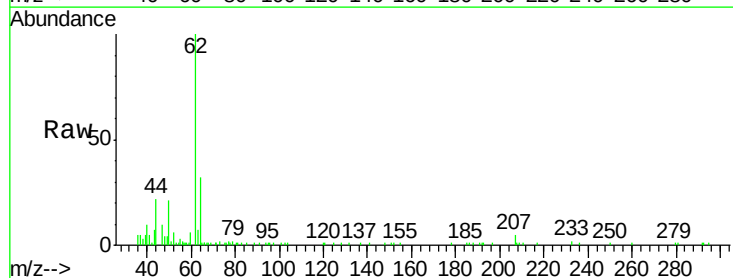
Acq: 30 Apr 2019 17:51

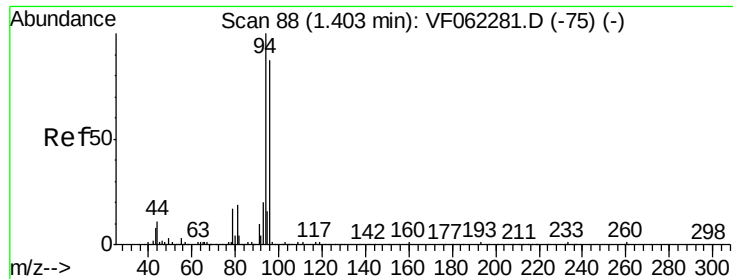
Tgt Ion: 62 Resp: 60140

Ion Ratio Lower Upper

62 100

64 32.5 24.3 36.5





#5

Bromomethane

Concen: 19.065 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.02 min

Lab File: VF062337.D

Acq: 30 Apr 2019 17:51

Instrument :

MSVOA_F

ClientSampleId :

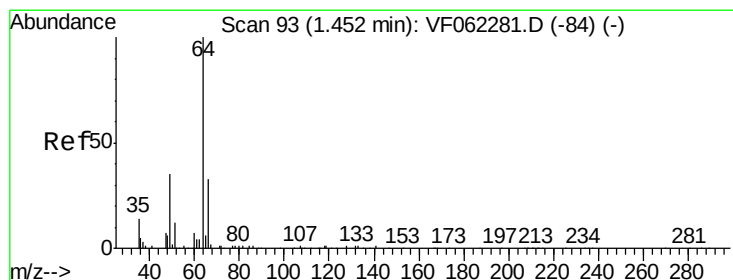
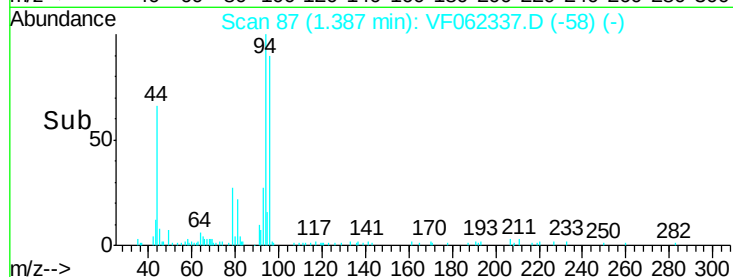
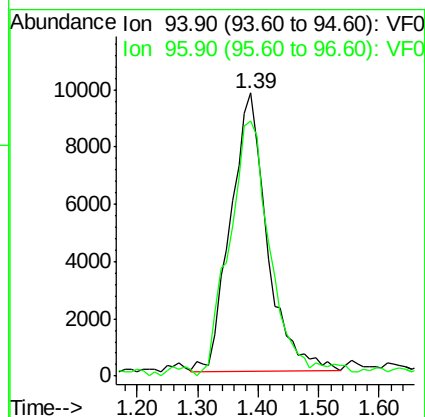
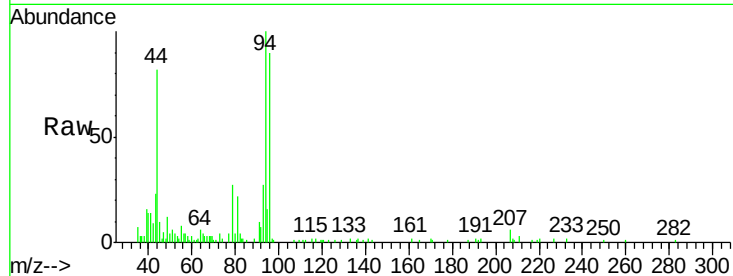
VF0430SBS01

Tot Ion: 94 Resp: 40833

Ion Ratio Lower Upper

94 100

96 89.6 69.5 104.3



#6

Chloroethane

Concen: 21.081 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.03 min

Lab File: VF062337.D

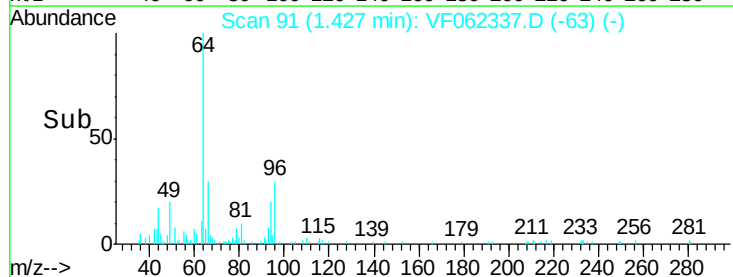
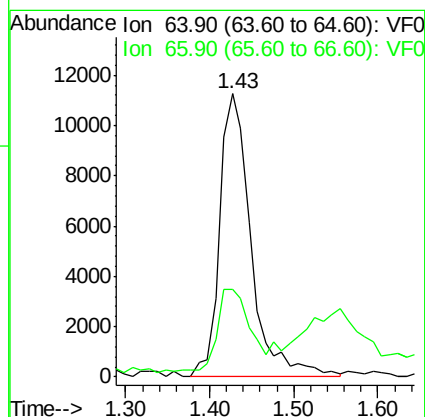
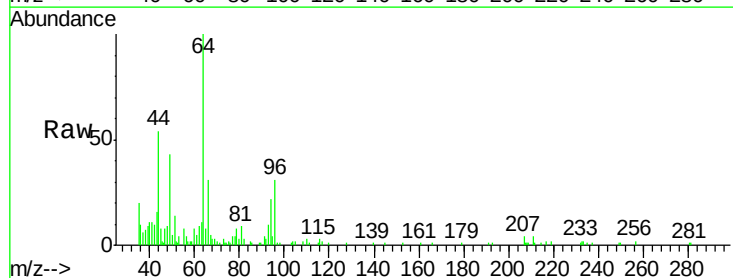
Acq: 30 Apr 2019 17:51

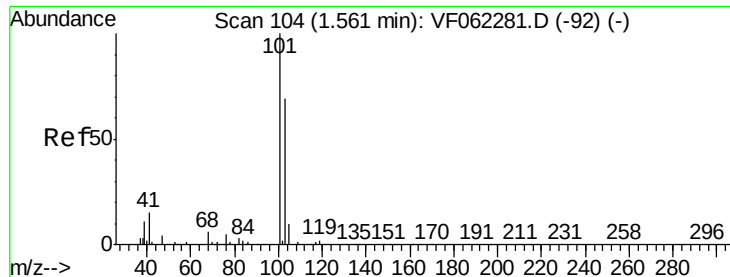
Tgt Ion: 64 Resp: 29145

Ion Ratio Lower Upper

64 100

66 28.6 26.0 39.0



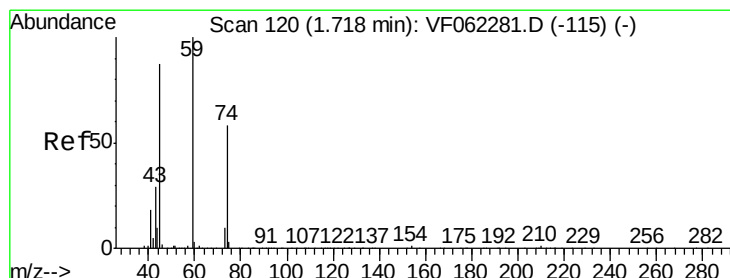
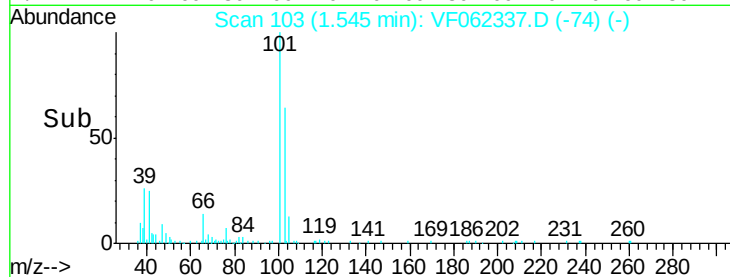
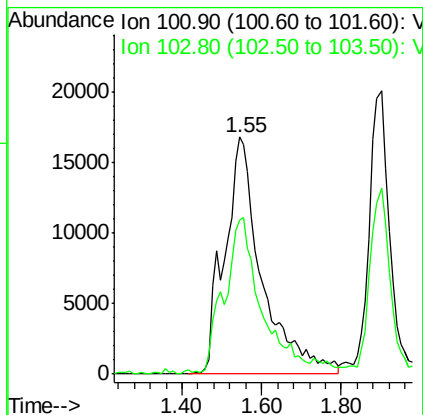
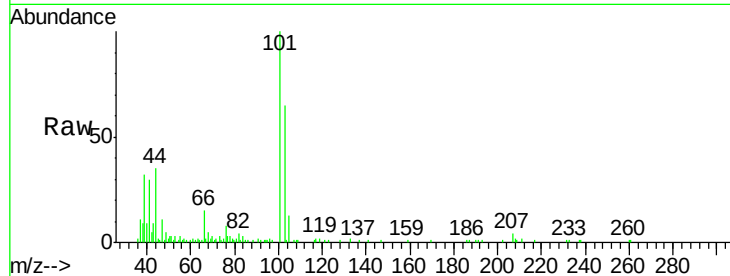


#7

Trichlorofluoromethane
Concen: 22.034 ug/l
RT: 1.55 min Scan# 103
Delta R.T. -0.02 min
Lab File: VF062337.D
Acq: 30 Apr 2019 17:51

Instrument :
MSVOA_F
ClientSampleId :
VF0430SBS01

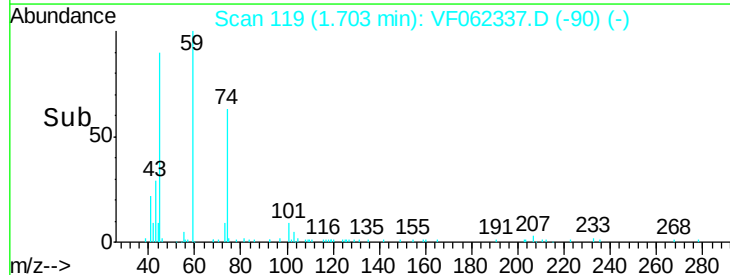
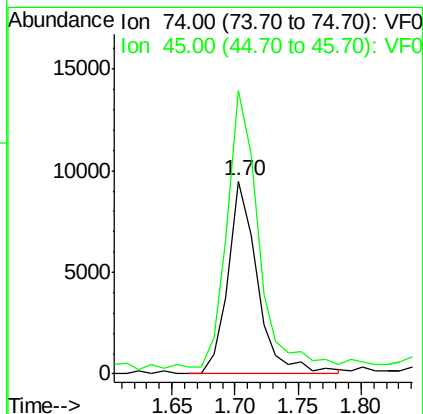
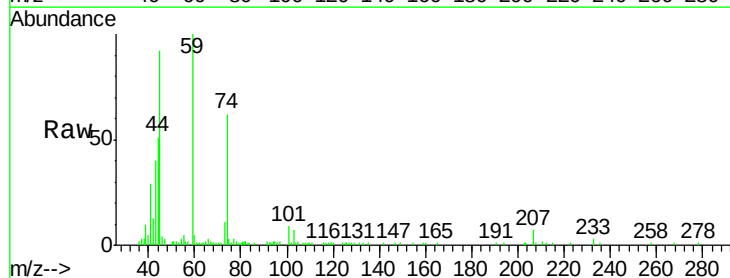
Tot Ion:101 Resp: 110425
Ion Ratio Lower Upper
101 100
103 63.5 55.0 82.6

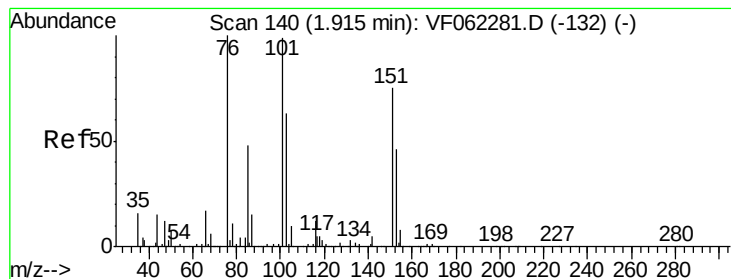


#8

Diethyl Ether
Concen: 16.949 ug/l
RT: 1.70 min Scan# 119
Delta R.T. -0.02 min
Lab File: VF062337.D
Acq: 30 Apr 2019 17:51

Tgt Ion: 74 Resp: 15388
Ion Ratio Lower Upper
74 100
45 151.9 74.0 222.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.027 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.02 min

Lab File: VF062337.D

Acq: 30 Apr 2019 17:51

Instrument :

MSVOA_F

ClientSampleId :

VF0430SBS01

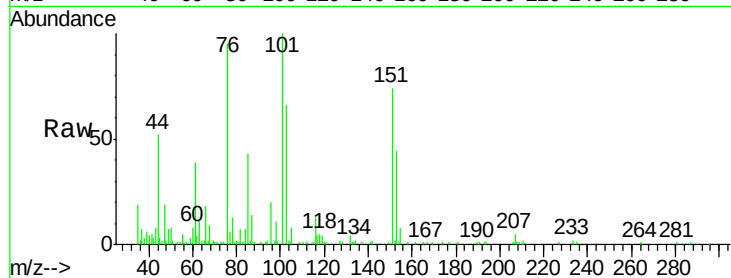
Tot Ion:101 Resp: 69275

Ion Ratio Lower Upper

101 100

85 47.5 36.5 54.7

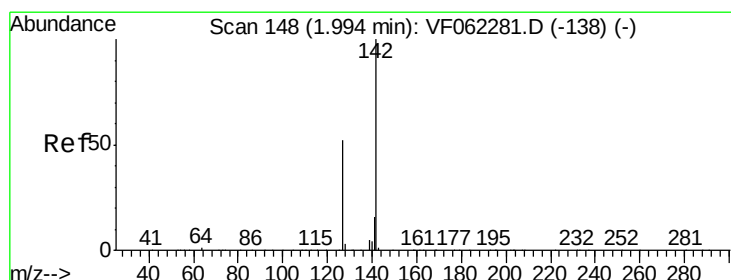
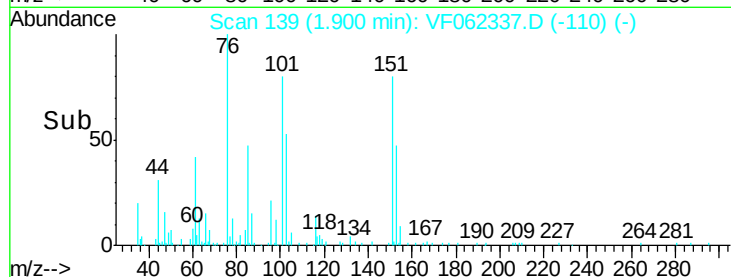
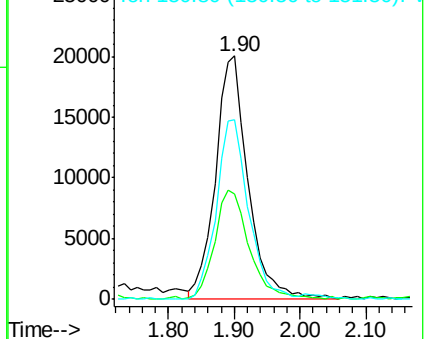
151 72.8 59.2 88.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VF0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.195 ug/l

RT: 1.97 min Scan# 146

Delta R.T. -0.03 min

Lab File: VF062337.D

Acq: 30 Apr 2019 17:51

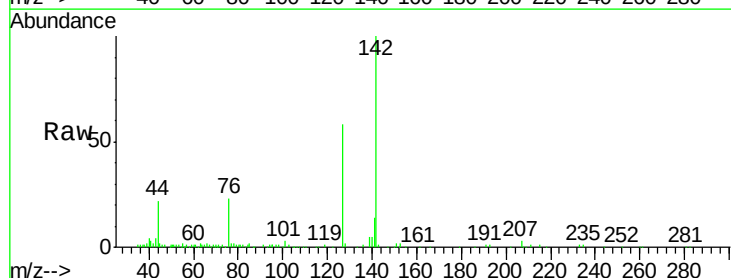
Tgt Ion:142 Resp: 111018

Ion Ratio Lower Upper

142 100

127 59.8 43.0 64.4

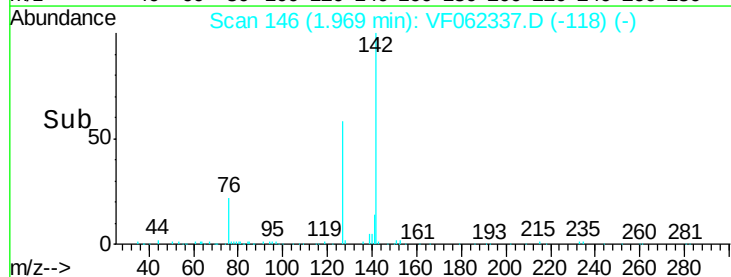
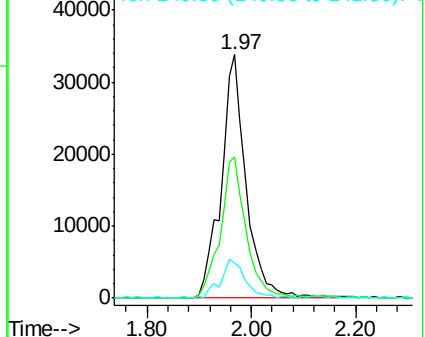
141 15.7 12.3 18.5

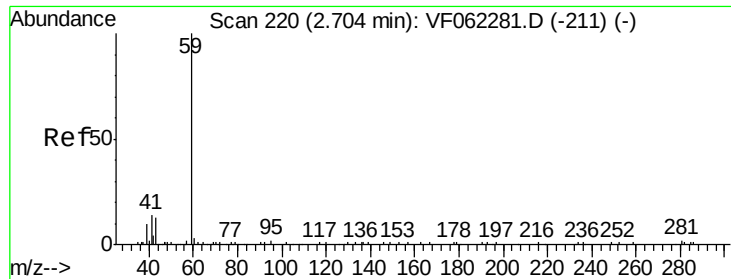


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



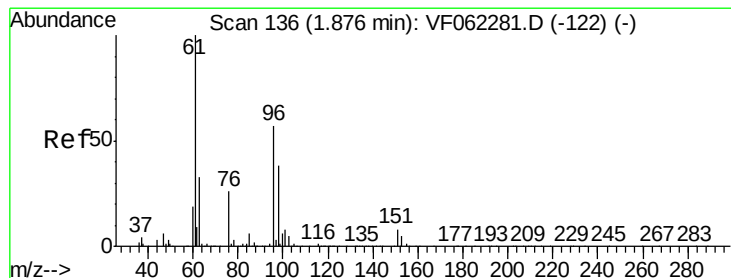
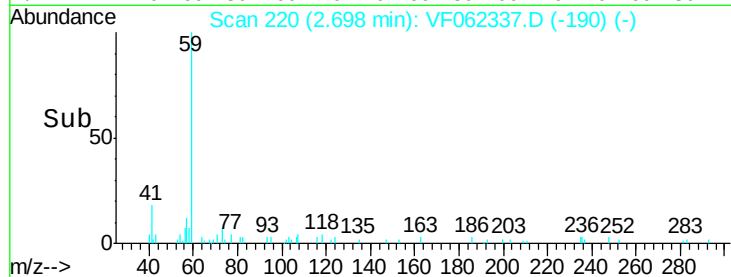
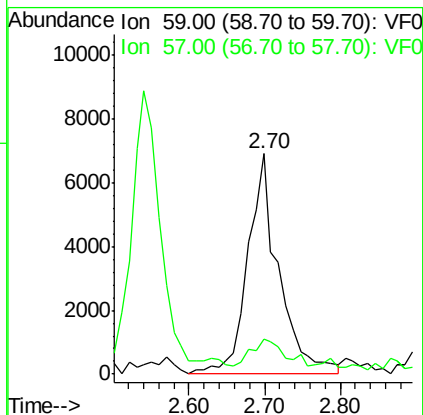
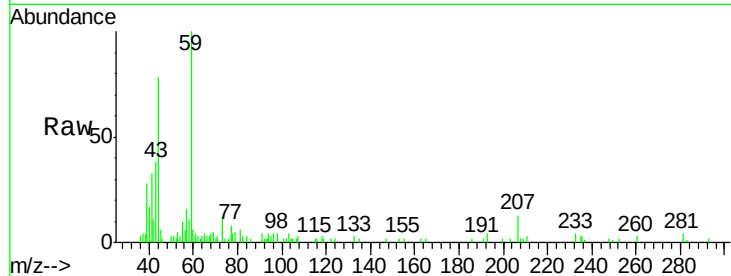


#11

Tert butyl alcohol
Concen: 121.357 ug/l
RT: 2.70 min Scan# 220
Delta R.T. -0.01 min
Lab File: VF062337.D
Acq: 30 Apr 2019 17:51

Instrument :
MSVOA_F
ClientSampleId :
VF0430SBS01

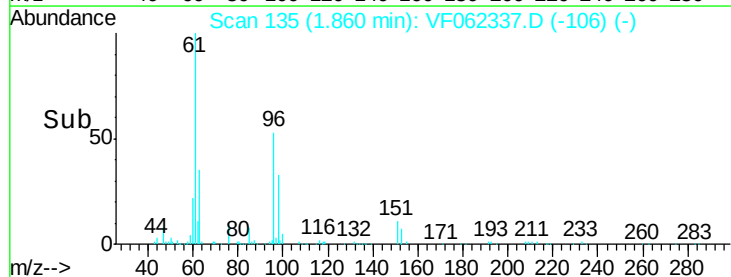
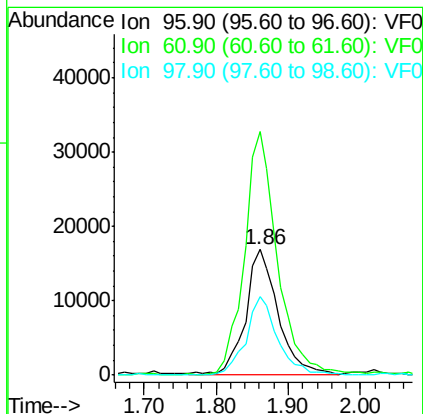
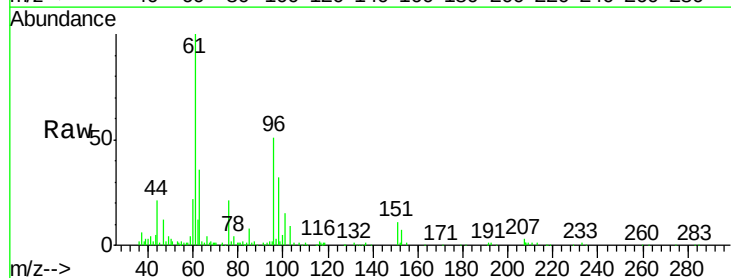
Tot Ion: 59 Resp: 19779
Ion Ratio Lower Upper
59 100
57 12.7 8.8 13.2

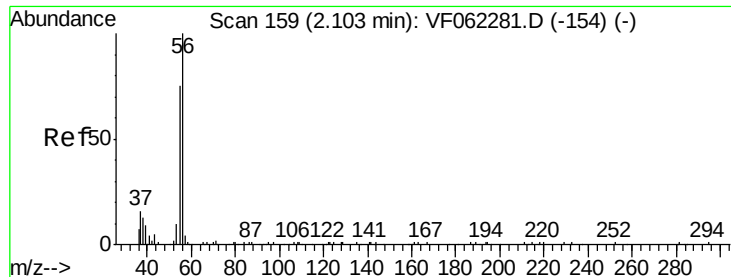


#12

1,1-Dichloroethene
Concen: 19.194 ug/l
RT: 1.86 min Scan# 135
Delta R.T. -0.02 min
Lab File: VF062337.D
Acq: 30 Apr 2019 17:51

Tgt Ion: 96 Resp: 53862
Ion Ratio Lower Upper
96 100
61 193.1 141.1 211.7
98 62.1 53.4 80.0





#13

Acrolein

Concen: 76.489 ug/l

RT: 2.10 min Scan# 159

Delta R.T. -0.00 min

Lab File: VF062337.D

Acq: 30 Apr 2019 17:51

Instrument :

MSVOA_F

ClientSampleId :

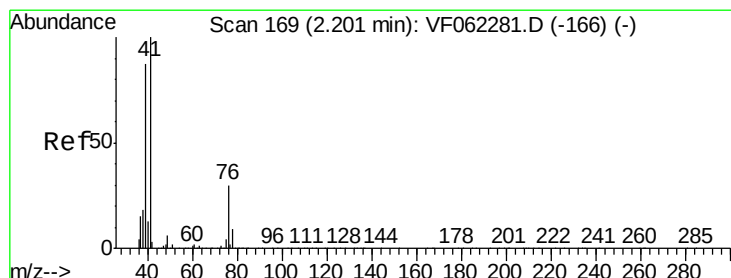
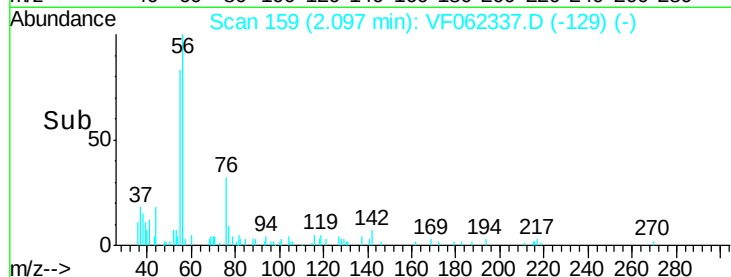
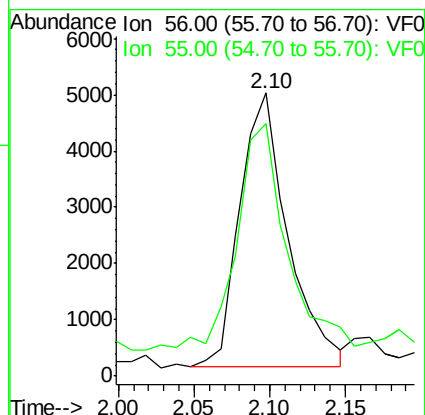
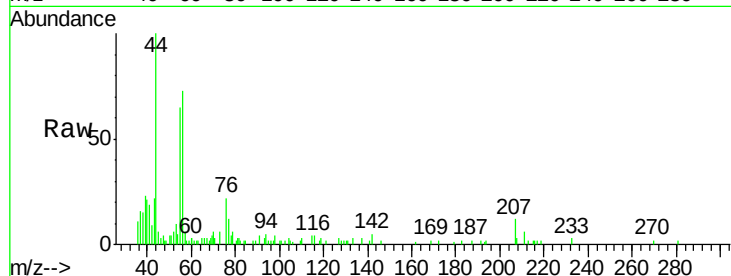
VF0430SBS01

Tot Ion: 56 Resp: 10783

Ion Ratio Lower Upper

56 100

55 88.2 62.3 93.5



#14

Allyl chloride

Concen: 19.637 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.02 min

Lab File: VF062337.D

Acq: 30 Apr 2019 17:51

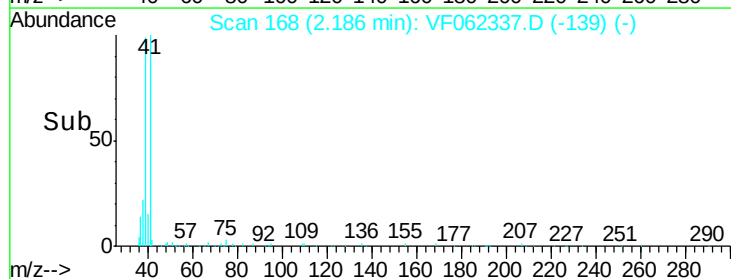
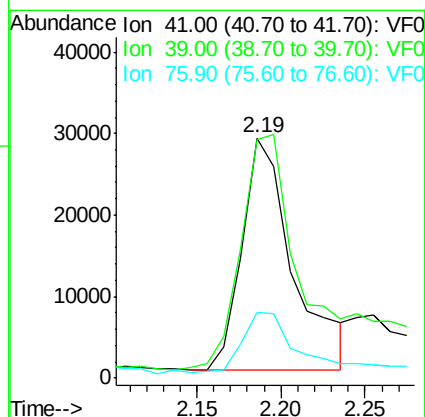
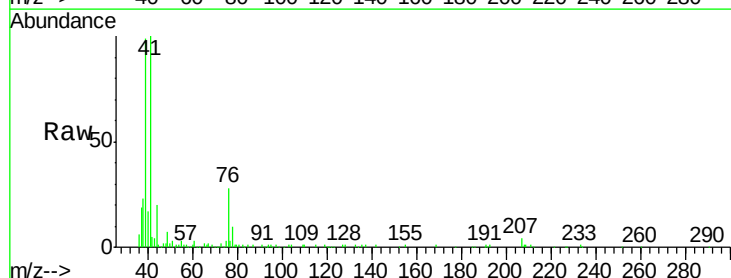
Tgt Ion: 41 Resp: 59970

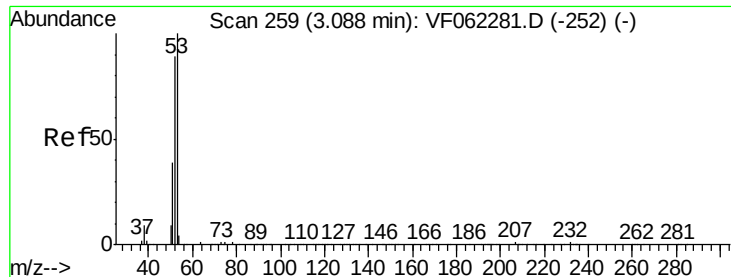
Ion Ratio Lower Upper

41 100

39 147.1 50.3 75.5#

76 43.2 14.8 22.2#





#15

Acrylonitrile

Concen: 88.073 ug/l

RT: 3.08 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF062337.D

Acq: 30 Apr 2019 17:51

Instrument :

MSVOA_F

ClientSampleId :

VF0430SBS01

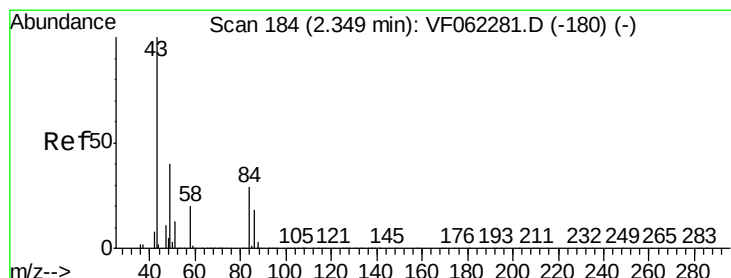
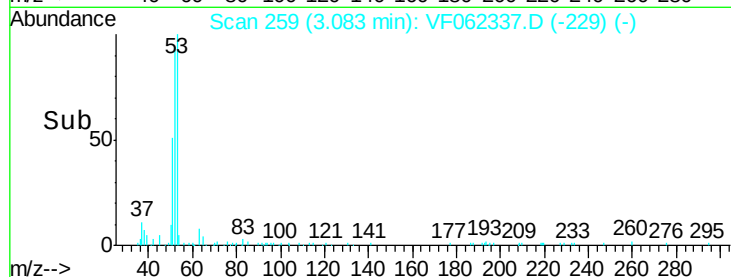
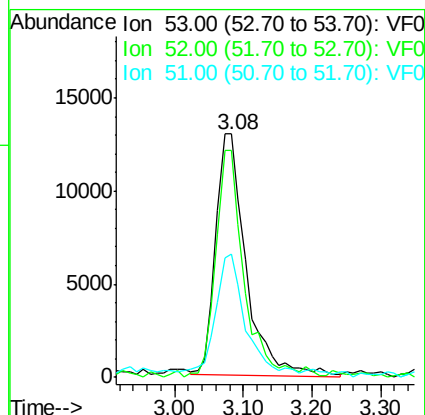
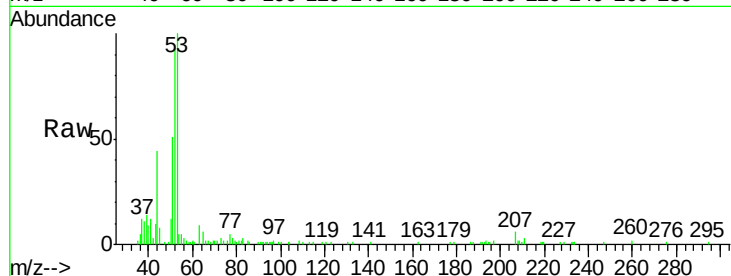
Tot Ion: 53 Resp: 39757

Ion	Ratio	Lower	Upper
53	100		
52	88.4	70.6	105.8
51	48.0	32.6	48.8

53 100

52 88.4 70.6 105.8

51 48.0 32.6 48.8



#16

Acetone

Concen: 109.755 ug/l

RT: 2.34 min Scan# 184

Delta R.T. -0.01 min

Lab File: VF062337.D

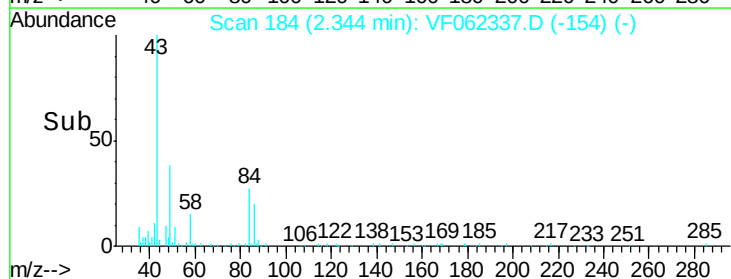
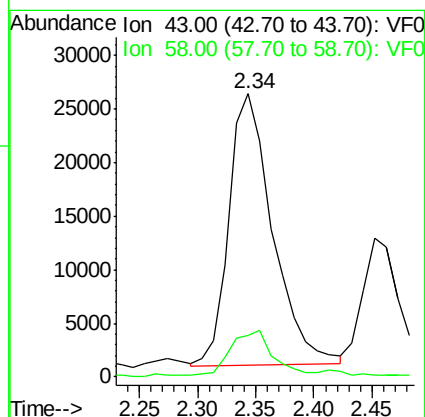
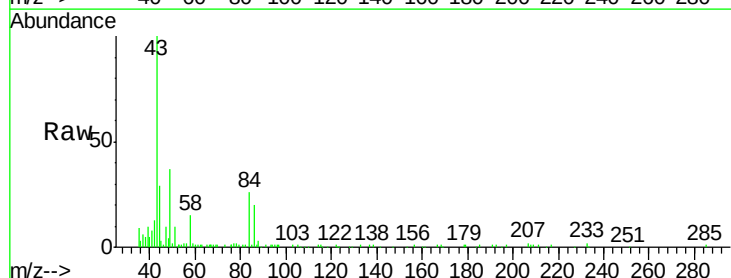
Acq: 30 Apr 2019 17:51

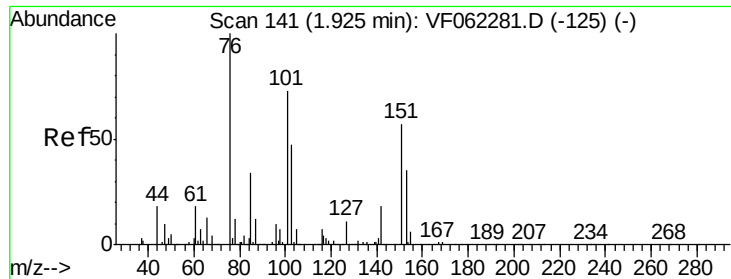
Tgt Ion: 43 Resp: 66209

Ion	Ratio	Lower	Upper
43	100		
58	14.8	16.4	24.6

43 100

58 14.8 16.4 24.6





#17

Carbon Disulfide

Concen: 17.504 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.02 min

Lab File: VF062337.D

Acq: 30 Apr 2019 17:51

Instrument :

MSVOA_F

ClientSampleId :

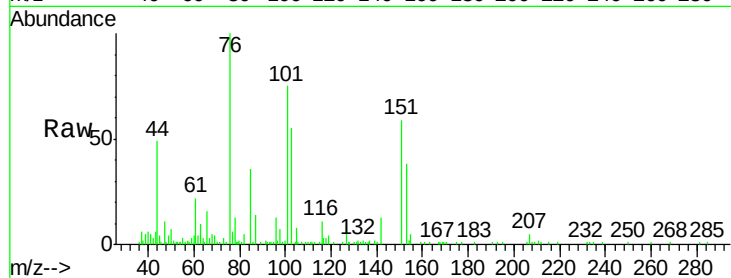
VF0430SBS01

Tot Ion: 76 Resp: 129277

Ion Ratio Lower Upper

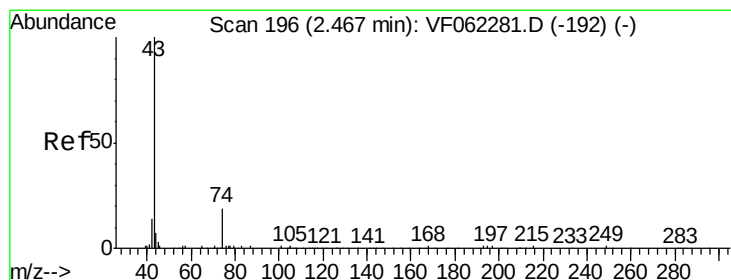
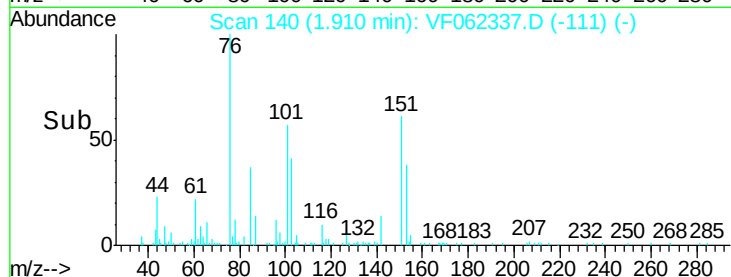
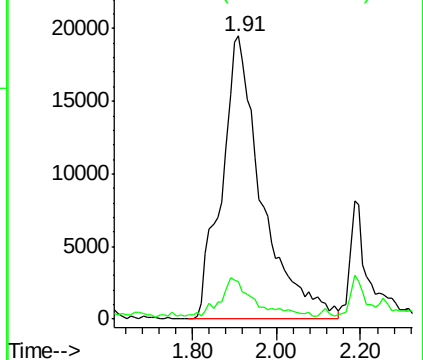
76 100

78 11.7 9.8 14.8



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0



#18

Methyl Acetate

Concen: 20.850 ug/l

RT: 2.45 min Scan# 195

Delta R.T. -0.02 min

Lab File: VF062337.D

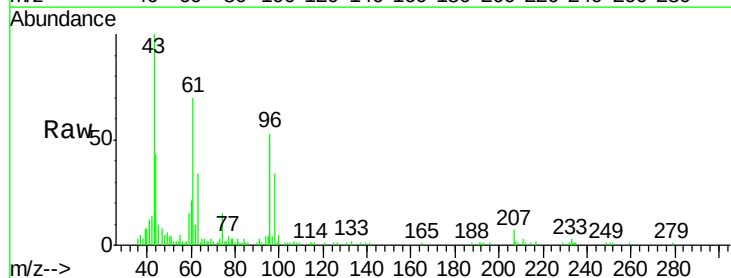
Acq: 30 Apr 2019 17:51

Tgt Ion: 43 Resp: 25346

Ion Ratio Lower Upper

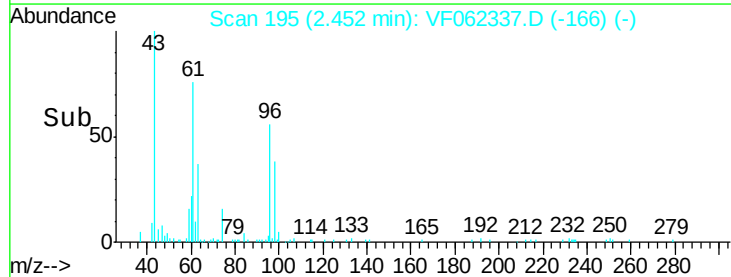
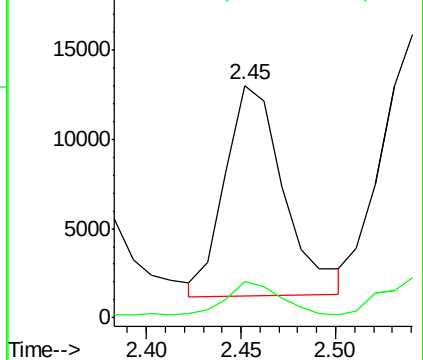
43 100

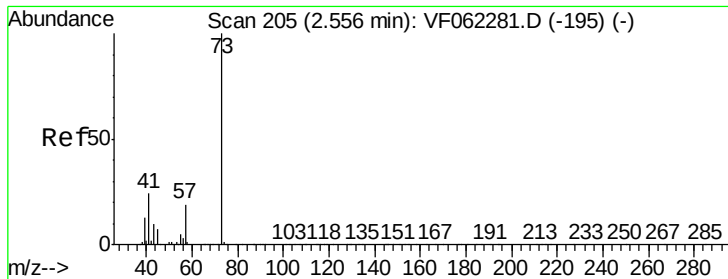
74 19.4 14.4 21.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



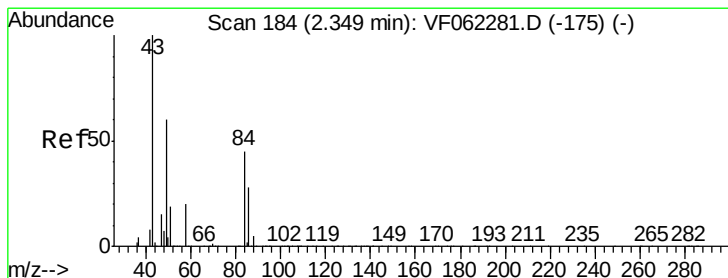
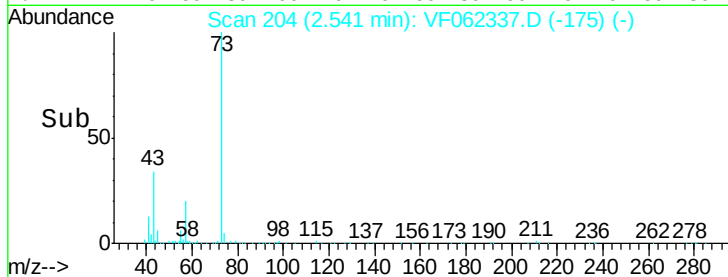
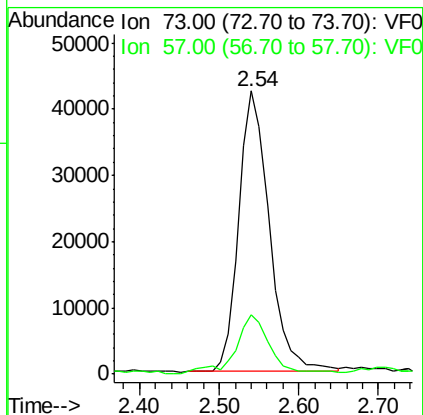
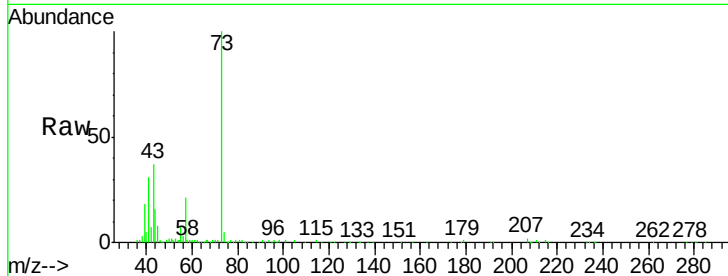


#19

Methyl tert-butyl Ether
 Concen: 21.080 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. -0.02 min
 Lab File: VF062337.D
 Acq: 30 Apr 2019 17:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0430SBS01

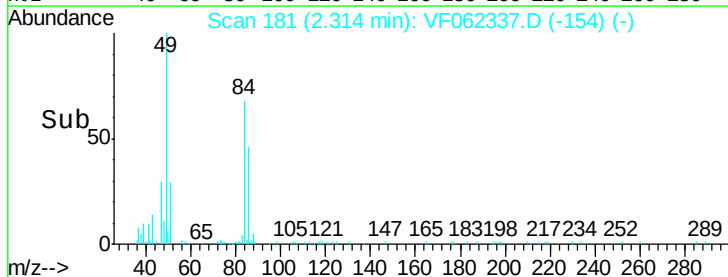
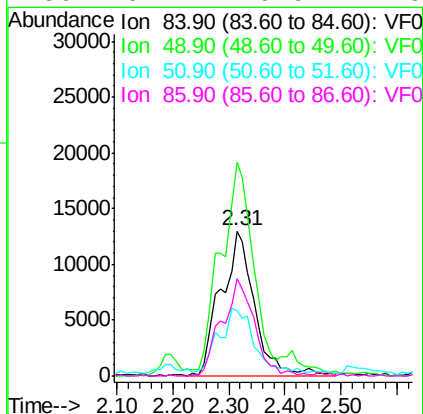
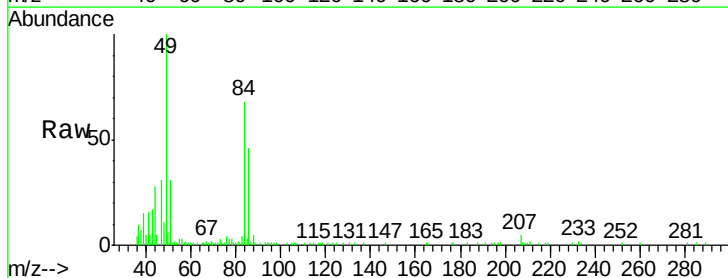
Tot Ion: 73 Resp: 112773
 Ion Ratio Lower Upper
 73 100
 57 20.3 15.5 23.3

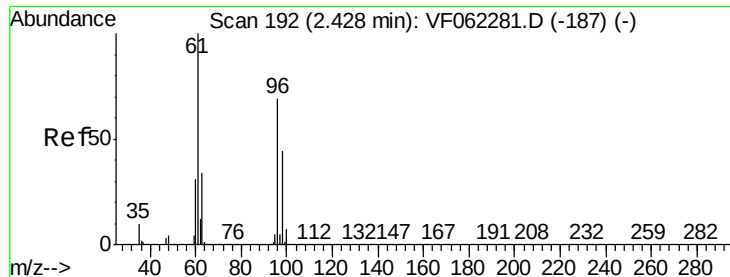


#20

Methylene Chloride
 Concen: 17.809 ug/l m
 RT: 2.31 min Scan# 181
 Delta R.T. -0.04 min
 Lab File: VF062337.D
 Acq: 30 Apr 2019 17:51

Tgt Ion: 84 Resp: 54619
 Ion Ratio Lower Upper
 84 100
 49 147.0 112.1 168.1
 51 45.0 35.9 53.9
 86 67.4 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 18.680 ug/l

RT: 2.41 min Scan# 191

Delta R.T. -0.02 min

Lab File: VF062337.D

Acq: 30 Apr 2019 17:51

Instrument :

MSVOA_F

ClientSampleId :

VF0430SBS01

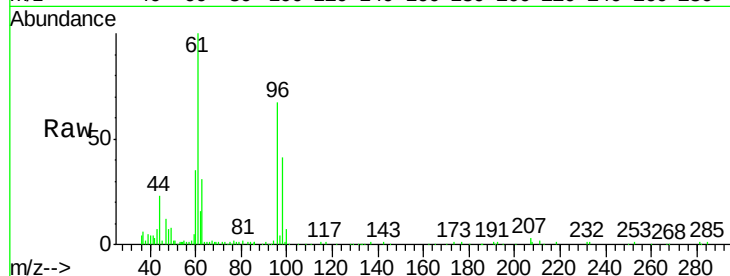
Tot Ion: 96 Resp: 51805

Ion Ratio Lower Upper

96 100

61 150.1 116.2 174.2

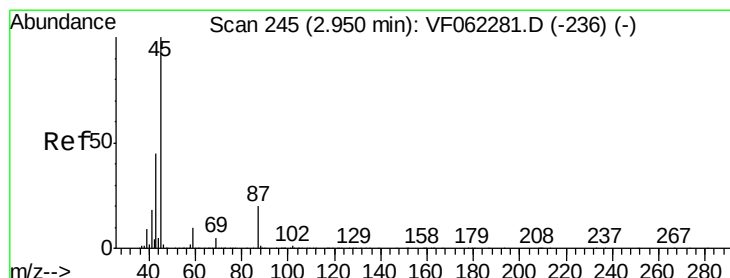
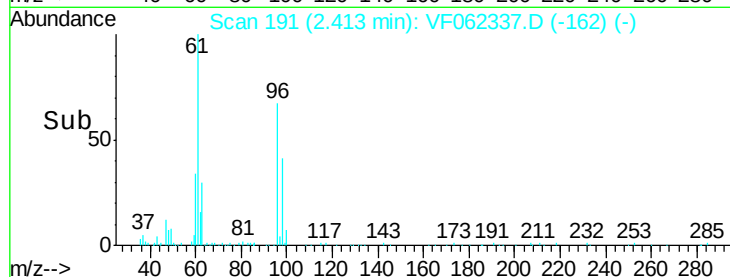
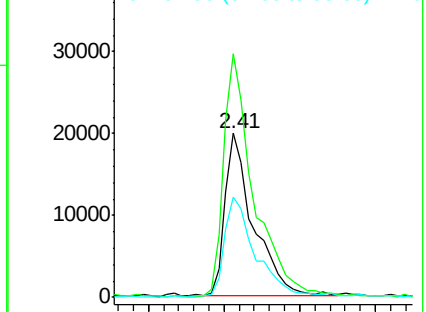
98 62.0 51.4 77.0



Abundance Ion 95.90 (95.60 to 96.60): VF0

Ion 60.90 (60.60 to 61.60): VF0

Ion 97.90 (97.60 to 98.60): VF0



#22

Diisopropyl ether

Concen: 19.202 ug/l

RT: 2.93 min Scan# 244

Delta R.T. -0.02 min

Lab File: VF062337.D

Acq: 30 Apr 2019 17:51

Tgt Ion: 45 Resp: 157869

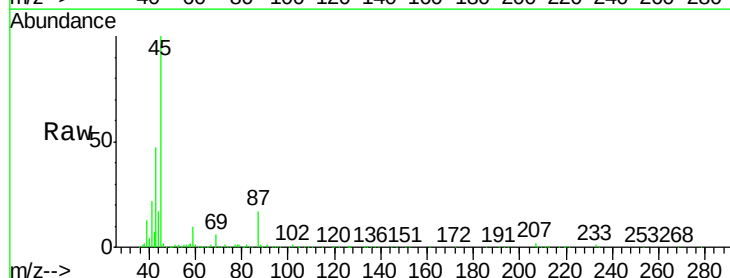
Ion Ratio Lower Upper

45 100

43 45.4 36.2 54.2

87 17.3 15.8 23.6

59 9.3 7.8 11.8

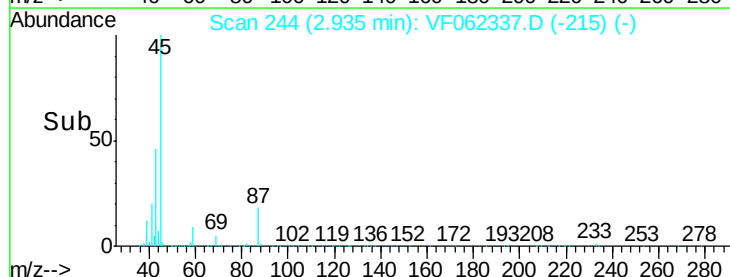
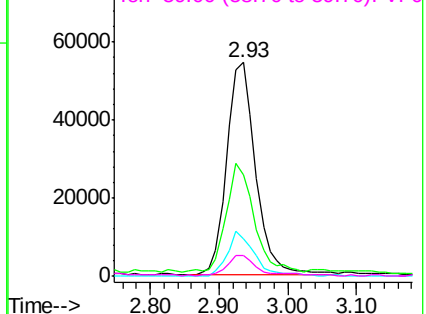


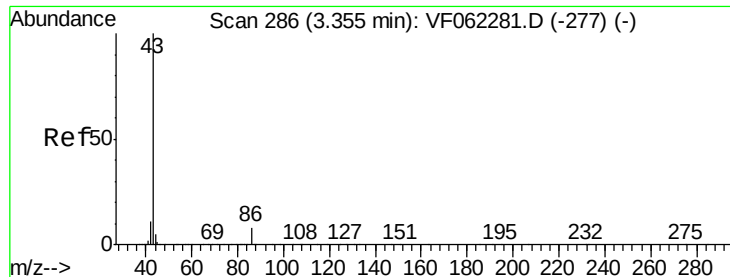
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 98.467 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.03 min

Lab File: VF062337.D

Acq: 30 Apr 2019 17:51

Instrument :

MSVOA_F

ClientSampleId :

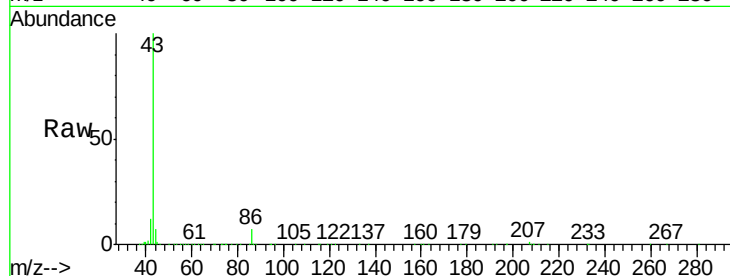
VF0430SBS01

Tot Ion: 43 Resp: 358988

Ion Ratio Lower Upper

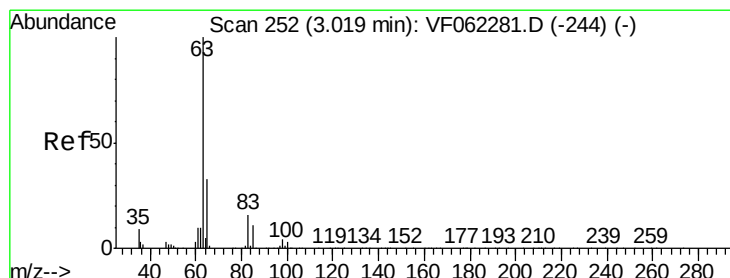
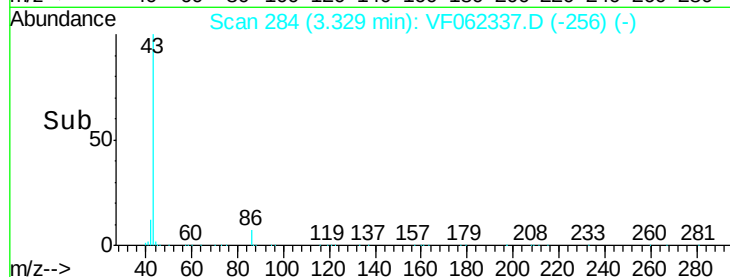
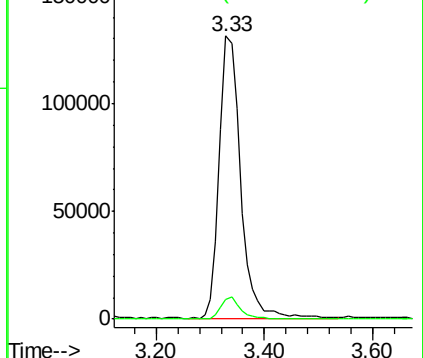
43 100

86 6.9 6.0 9.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 20.632 ug/l

RT: 3.00 min Scan# 251

Delta R.T. -0.02 min

Lab File: VF062337.D

Acq: 30 Apr 2019 17:51

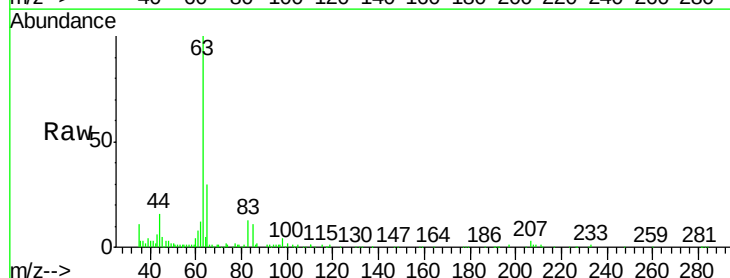
Tgt Ion: 63 Resp: 96816

Ion Ratio Lower Upper

63 100

98 4.2 2.1 6.2

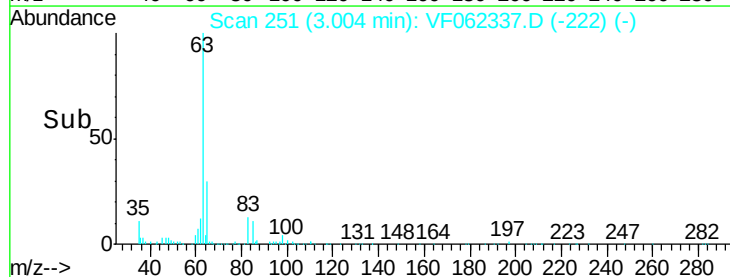
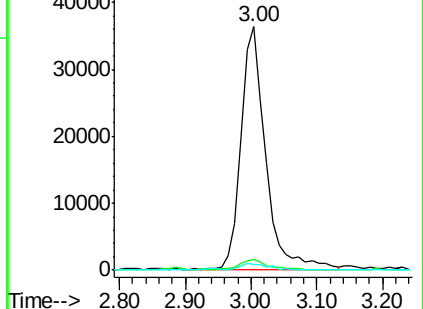
100 2.1 1.5 4.5

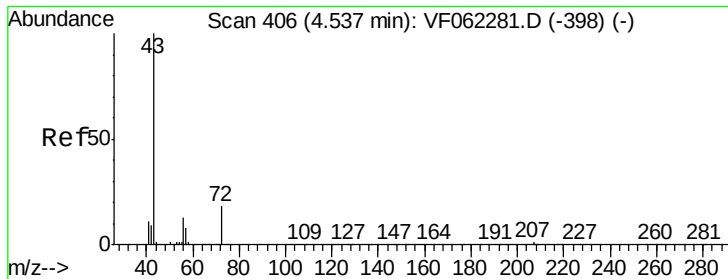


Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

Ion 99.90 (99.60 to 100.60): VF0





#25

2-Butanone

Concen: 95.111 ug/l

RT: 4.52 min Scan# 405

Delta R.T. -0.02 min

Lab File: VF062337.D

Acq: 30 Apr 2019 17:51

Instrument :

MSVOA_F

ClientSampleId :

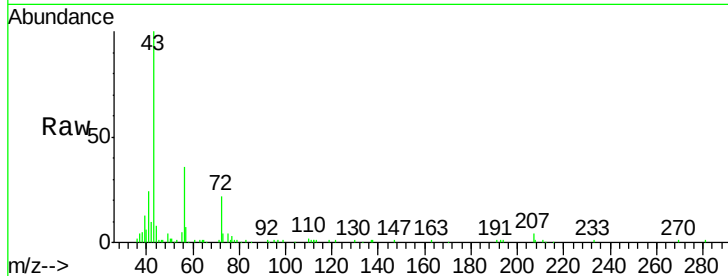
VF0430SBS01

Tot Ion: 43 Resp: 90975

Ion Ratio Lower Upper

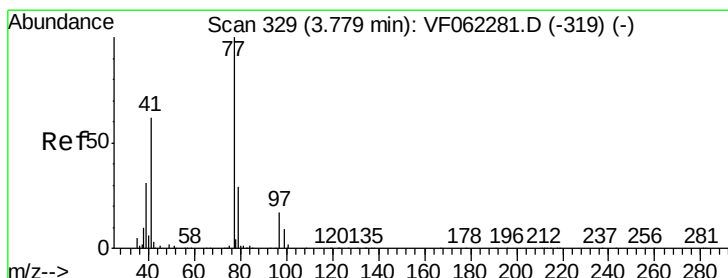
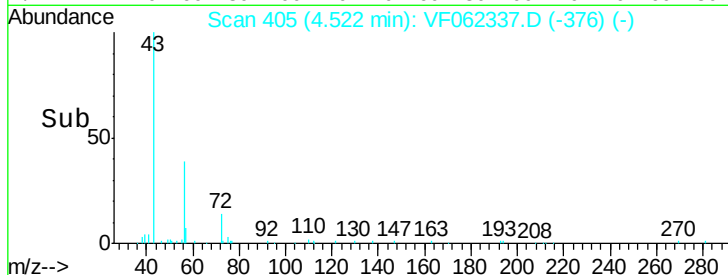
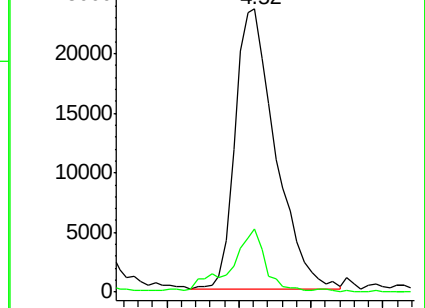
43 100

72 22.5 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 21.644 ug/l

RT: 3.75 min Scan# 327

Delta R.T. -0.03 min

Lab File: VF062337.D

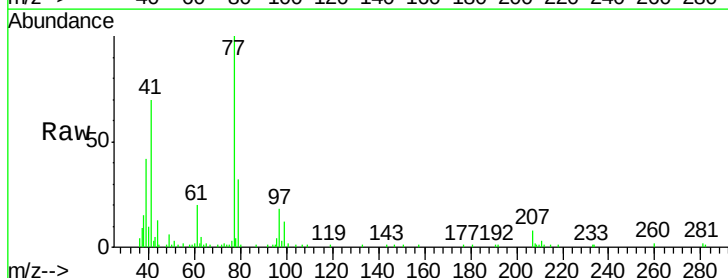
Acq: 30 Apr 2019 17:51

Tgt Ion: 77 Resp: 52743

Ion Ratio Lower Upper

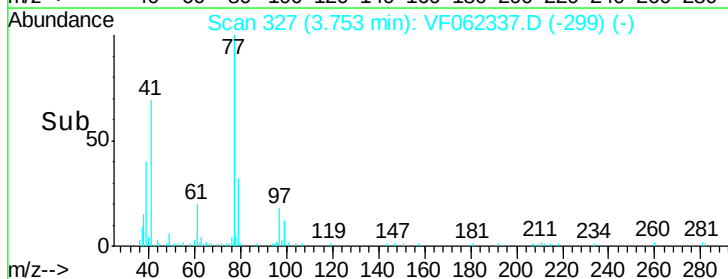
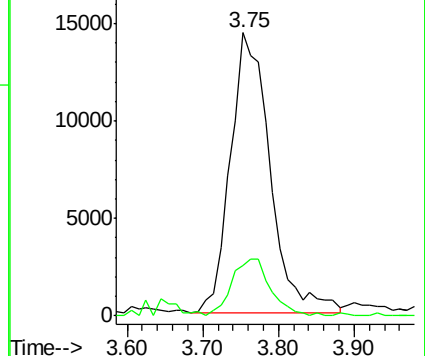
77 100

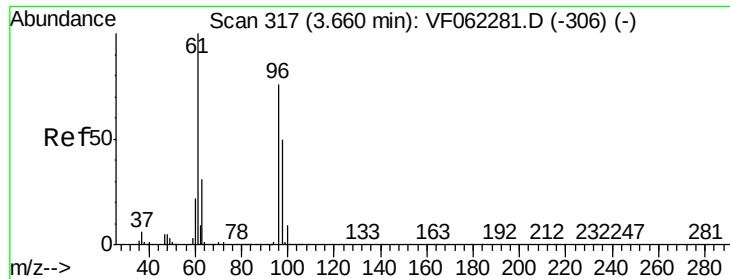
97 19.3 10.3 30.8



Abundance Ion 76.90 (76.60 to 77.60): VF0

Ion 96.90 (96.60 to 97.60): VF0



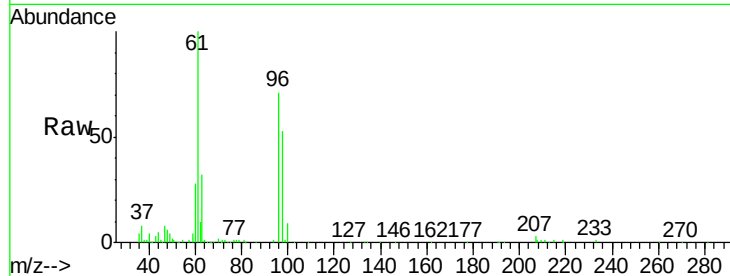


#27

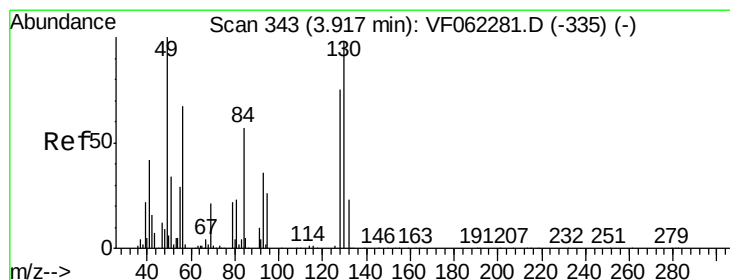
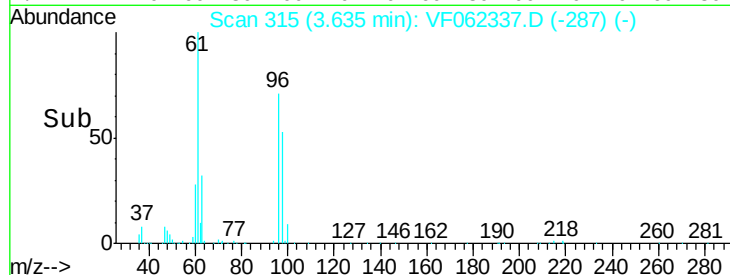
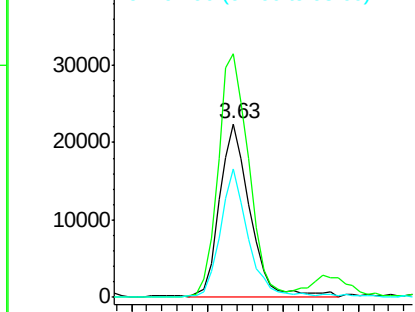
cis-1,2-Dichloroethene
Concen: 17.908 ug/l
RT: 3.63 min Scan# 315
Delta R.T. -0.03 min
Lab File: VF062337.D
Acq: 30 Apr 2019 17:51

Instrument :
MSVOA_F
ClientSampleId :
VF0430SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.1	0.0	257.6
98	67.3	0.0	137.4



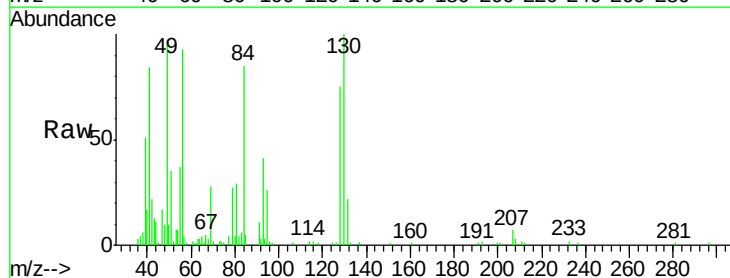
Abundance Ion 95.90 (95.60 to 96.60): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 97.90 (97.60 to 98.60): VF0



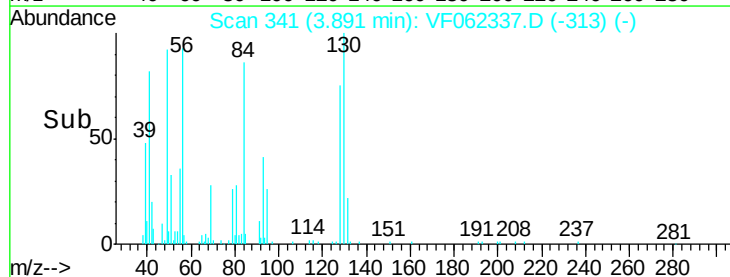
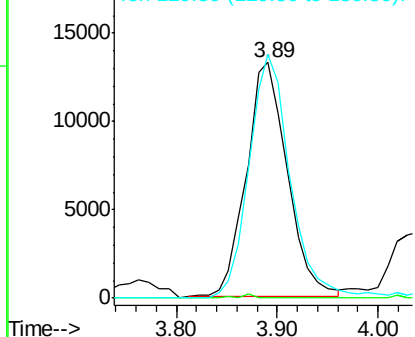
#28

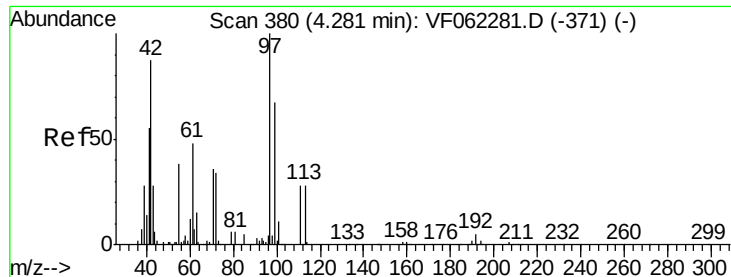
Bromochloromethane
Concen: 19.031 ug/l
RT: 3.89 min Scan# 341
Delta R.T. -0.03 min
Lab File: VF062337.D
Acq: 30 Apr 2019 17:51

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	0.0#
130	104.5	77.0	115.4



Abundance Ion 48.90 (48.60 to 49.60): VF0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

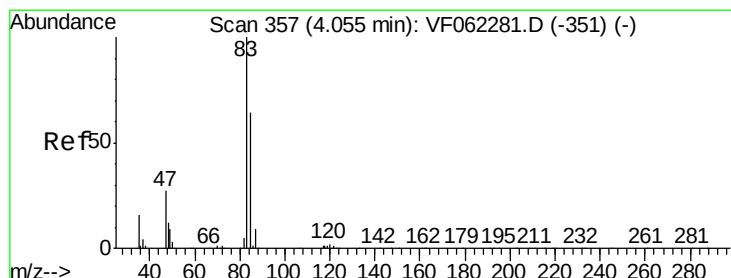
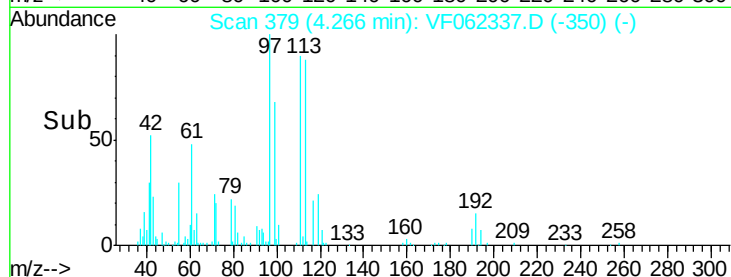
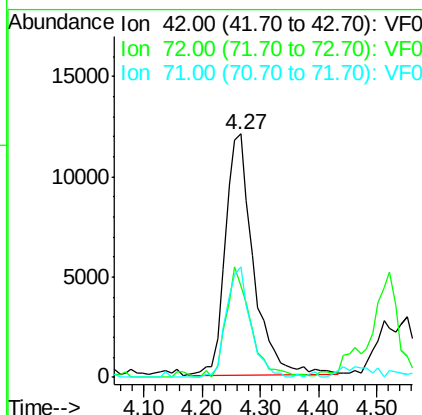
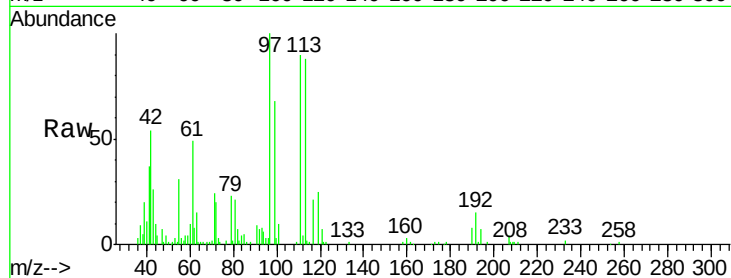




#29
Tetrahydrofuran
Concen: 96.170 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.02 min
Lab File: VF062337.D
Acq: 30 Apr 2019 17:51

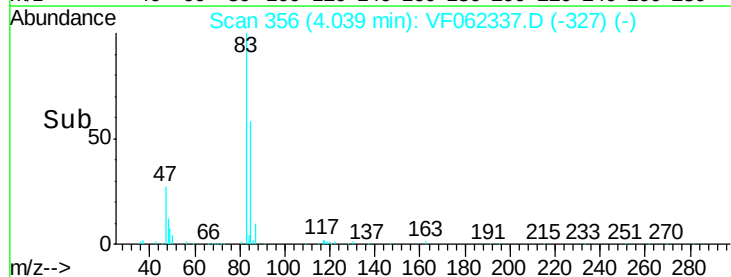
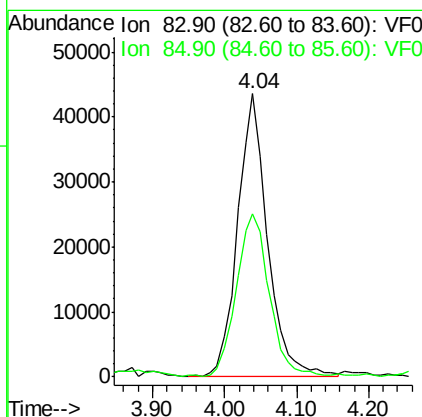
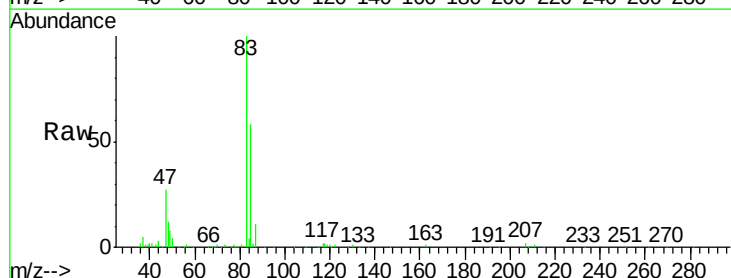
Instrument :
MSVOA_F
ClientSampleId :
VF0430SBS01

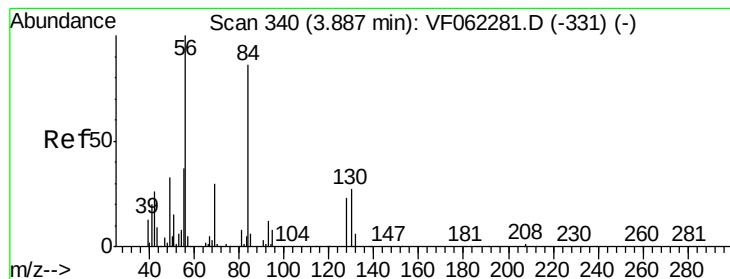
Tot Ion	Ratio	Lower	Upper
42	100		
72	40.2	29.3	43.9
71	39.2	31.2	46.8



#30
Chloroform
Concen: 21.523 ug/l
RT: 4.04 min Scan# 356
Delta R.T. -0.02 min
Lab File: VF062337.D
Acq: 30 Apr 2019 17:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	57.4	51.1	76.7





#31

Cyclohexane

Concen: 17.643 ug/l

RT: 3.86 min Scan# 338

Delta R.T. -0.03 min

Lab File: VF062337.D

Acq: 30 Apr 2019 17:51

Instrument :

MSVOA_F

ClientSampleId :

VF0430SBS01

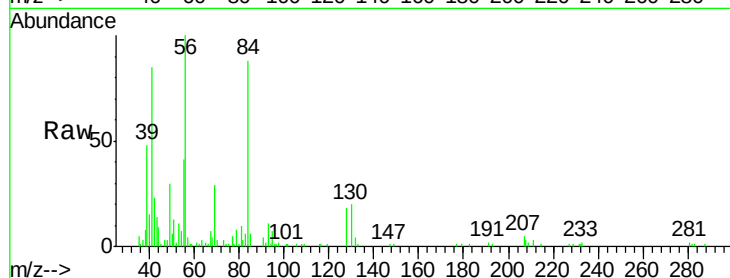
Tot Ion: 56 Resp: 78776

Ion Ratio Lower Upper

56 100

69 29.3 24.3 36.5

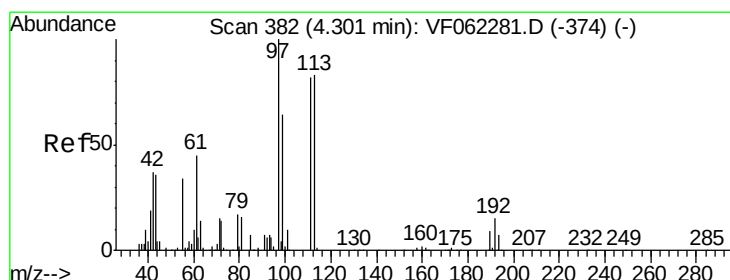
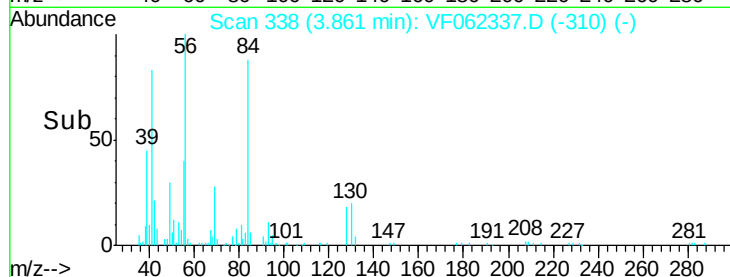
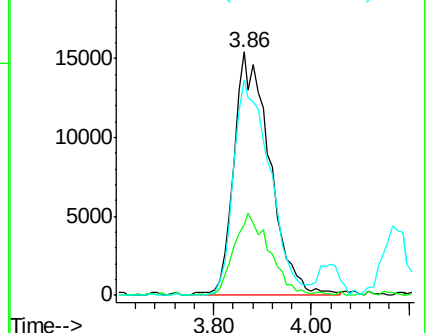
84 88.4 68.5 102.7



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 23.776 ug/l m

RT: 4.28 min Scan# 380

Delta R.T. -0.03 min

Lab File: VF062337.D

Acq: 30 Apr 2019 17:51

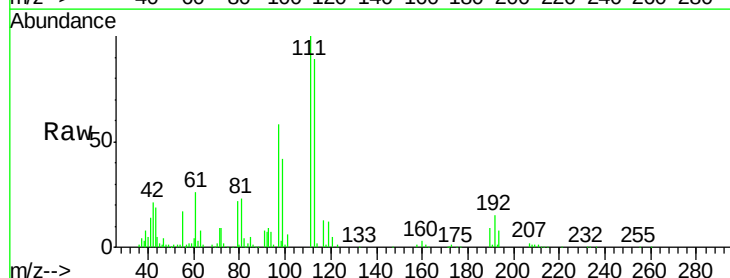
Tgt Ion: 97 Resp: 109993

Ion Ratio Lower Upper

97 100

99 65.1 41.6 62.4#

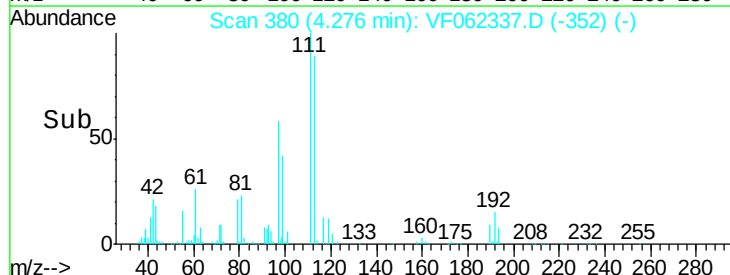
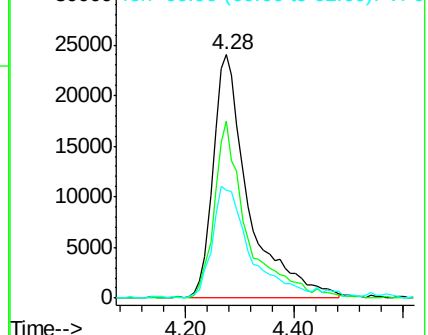
61 48.9 31.6 47.4#

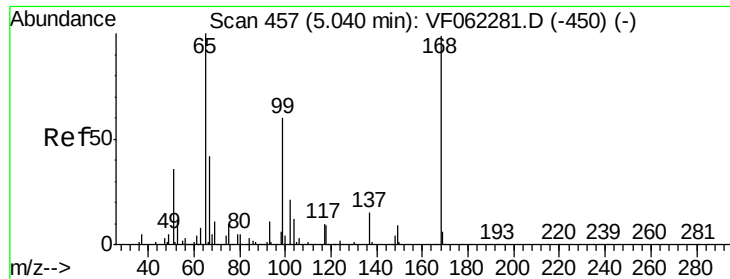


Abundance Ion 96.90 (96.60 to 97.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

Ion 60.90 (60.60 to 61.60): VF0

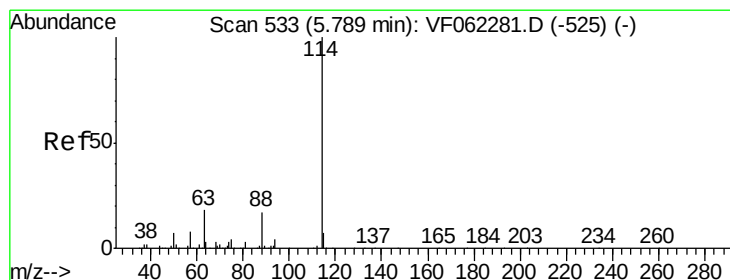
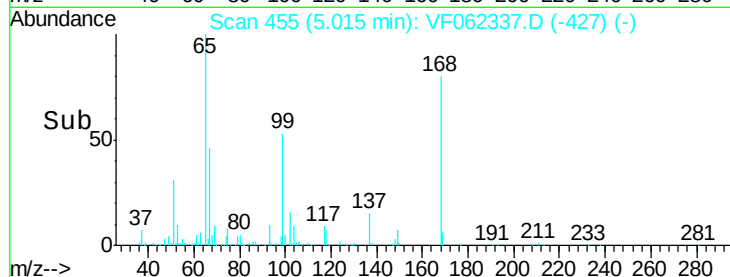
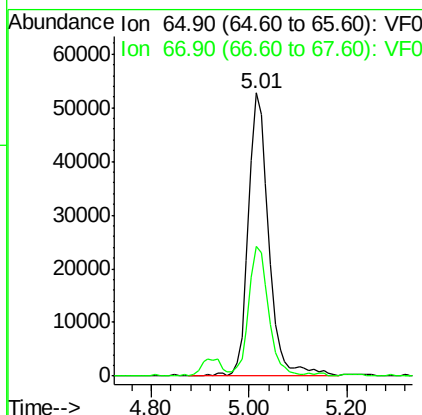
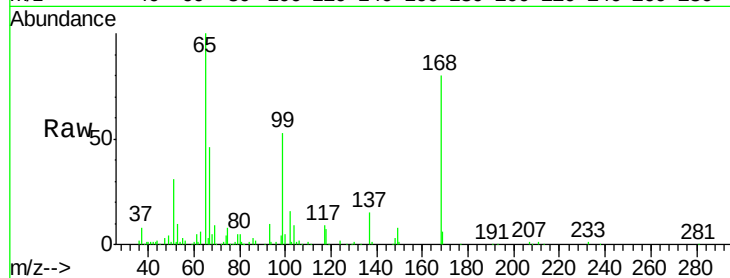




#33
 1,2-Dichloroethane-d4
 Concen: 57.240 ug/l
 RT: 5.01 min Scan# 455
 Delta R.T. -0.03 min
 Lab File: VF062337.D
 Acq: 30 Apr 2019 17:51

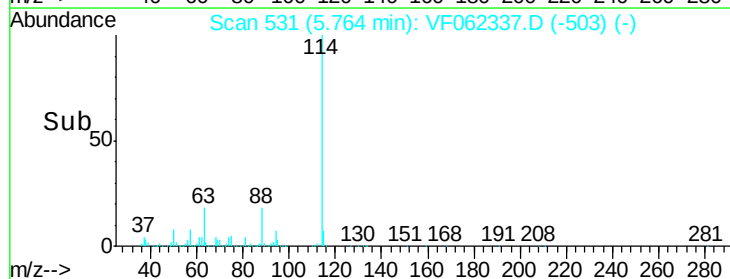
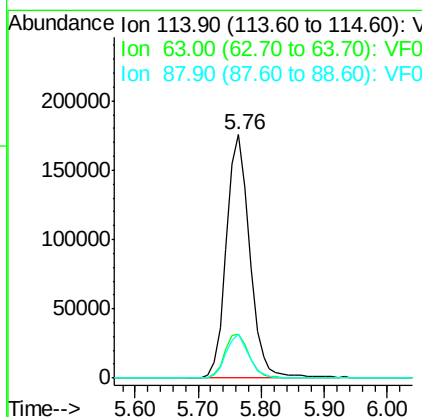
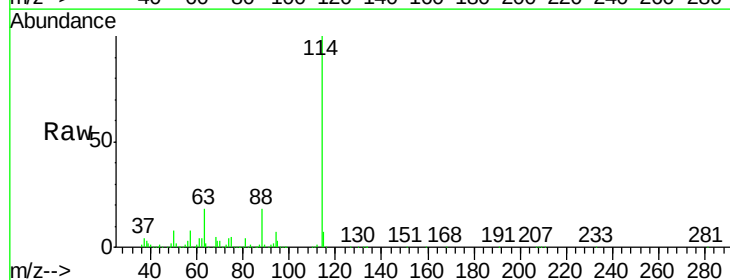
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0430SBS01

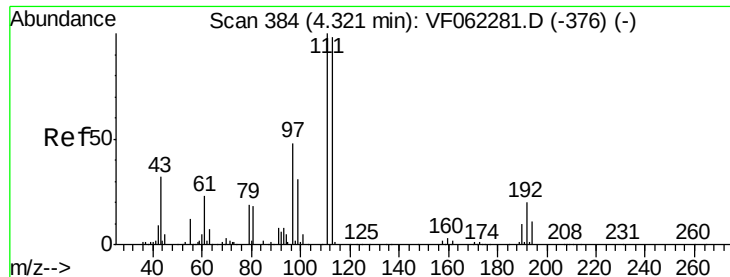
Tot Ion: 65 Resp: 154222
 Ion Ratio Lower Upper
 65 100
 67 43.0 0.0 98.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. -0.03 min
 Lab File: VF062337.D
 Acq: 30 Apr 2019 17:51

Tgt Ion: 114 Resp: 451587
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 35.6
 88 17.9 0.0 34.6





#35

Dibromofluoromethane

Concen: 51.915 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.03 min

Lab File: VF062337.D

Acq: 30 Apr 2019 17:51

Instrument :

MSVOA_F

ClientSampleId :

VF0430SBS01

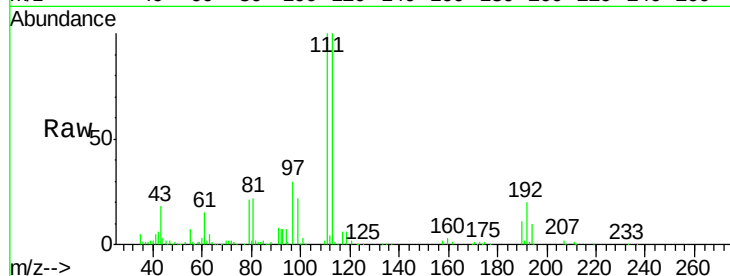
Tot Ion:113 Resp: 173828

Ion Ratio Lower Upper

113 100

111 101.8 81.4 122.2

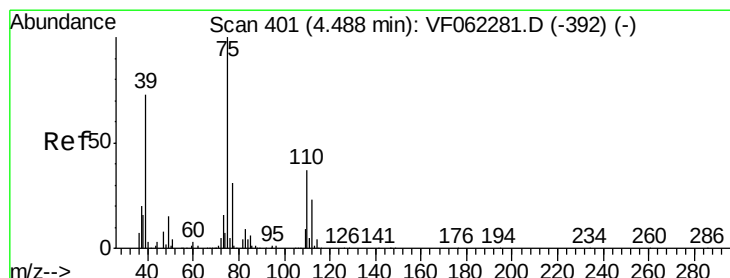
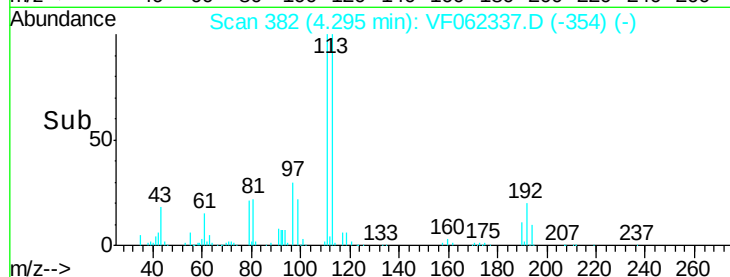
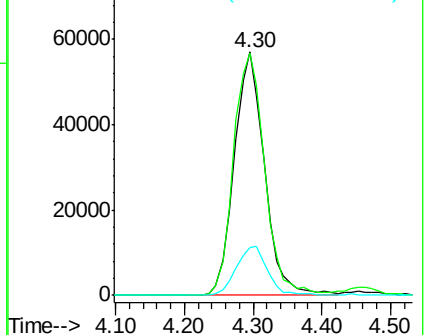
192 20.9 17.0 25.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.844 ug/l

RT: 4.45 min Scan# 398

Delta R.T. -0.04 min

Lab File: VF062337.D

Acq: 30 Apr 2019 17:51

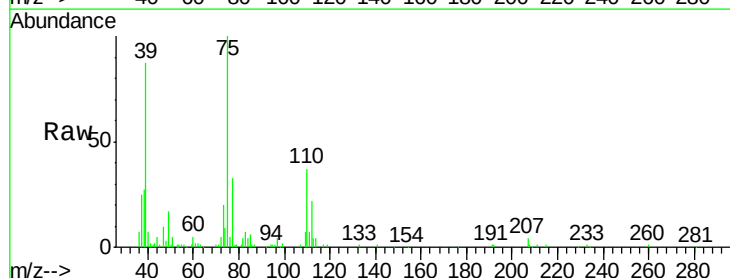
Tgt Ion: 75 Resp: 82677

Ion Ratio Lower Upper

75 100

110 36.4 17.9 53.8

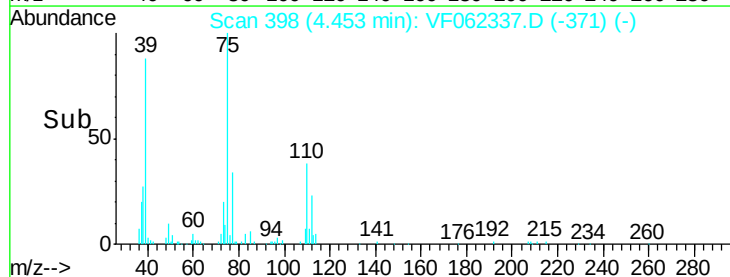
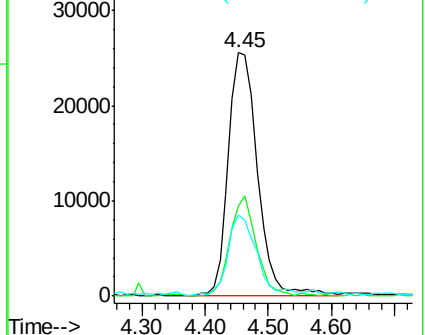
77 33.3 24.6 36.8

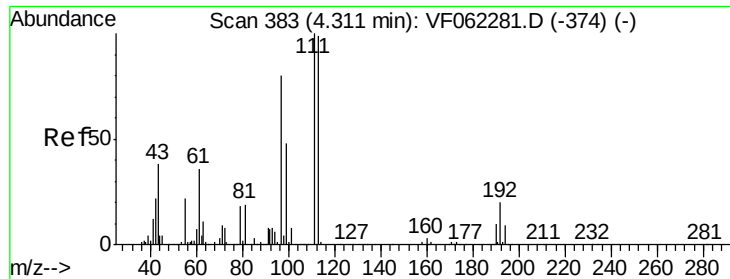


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VF0

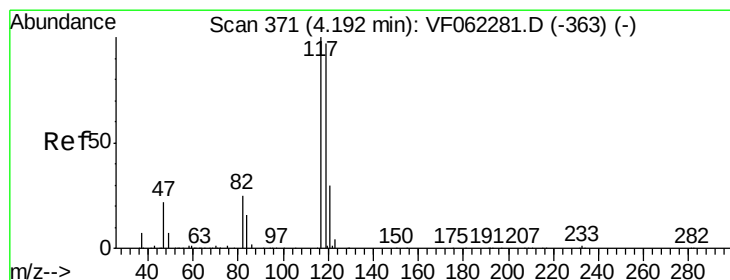
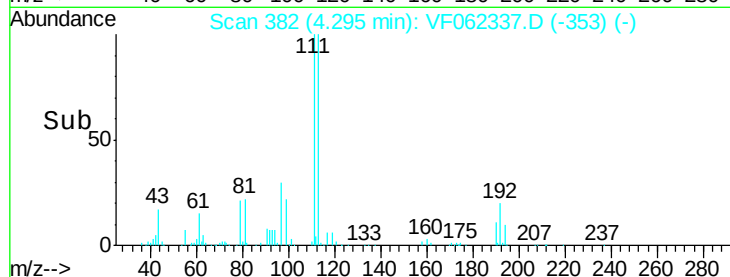
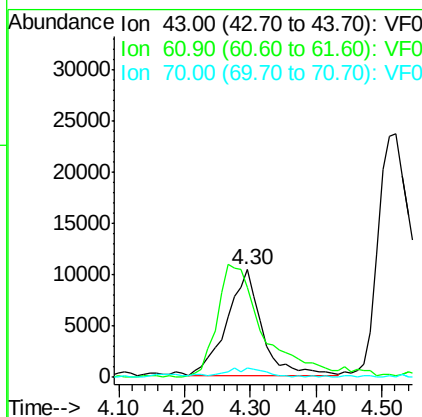
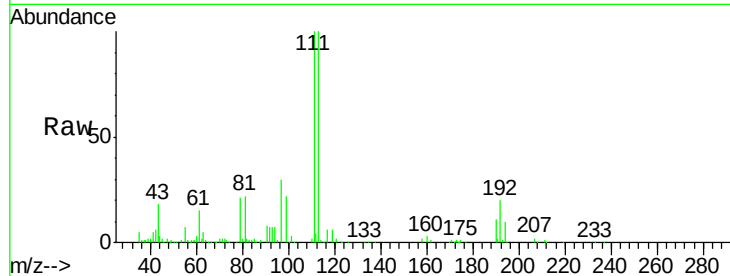




#37
Ethyl Acetate
Concen: 21.491 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.02 min
Lab File: VF062337.D
Acq: 30 Apr 2019 17:51

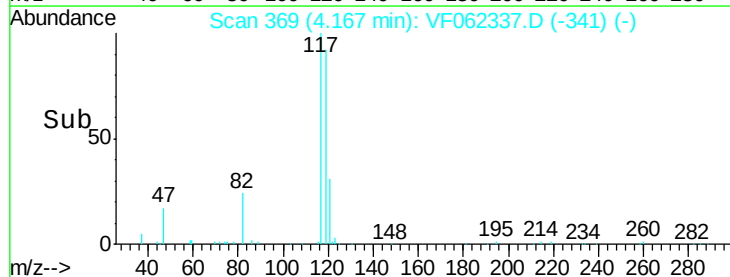
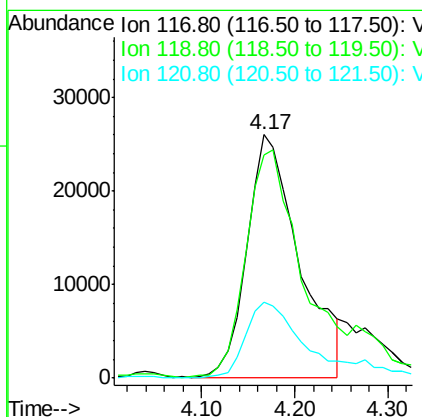
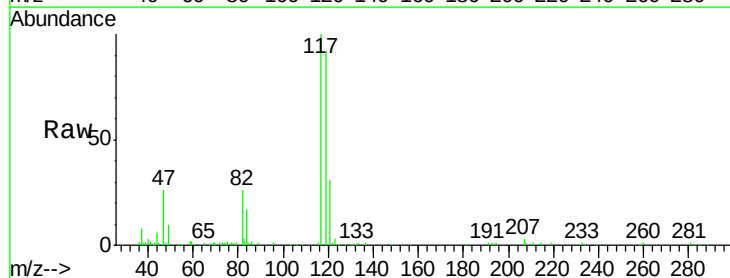
Instrument :
MSVOA_F
ClientSampleId :
VF0430SBS01

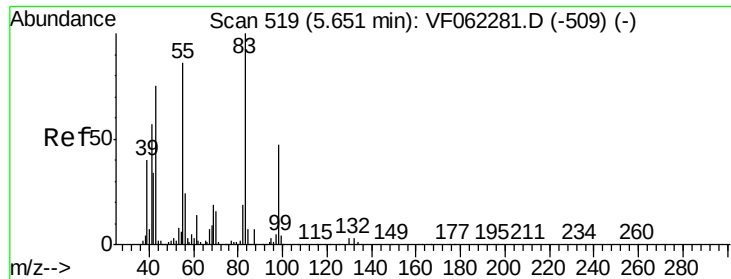
Tot Ion: 43 Resp: 37668
Ion Ratio Lower Upper
43 100
61 0.0 85.8 128.6#
70 0.0 7.3 10.9#



#38
Carbon Tetrachloride
Concen: 24.182 ug/l m
RT: 4.17 min Scan# 369
Delta R.T. -0.03 min
Lab File: VF062337.D
Acq: 30 Apr 2019 17:51

Tgt Ion: 117 Resp: 102423
Ion Ratio Lower Upper
117 100
119 91.9 77.3 115.9
121 31.4 24.3 36.5

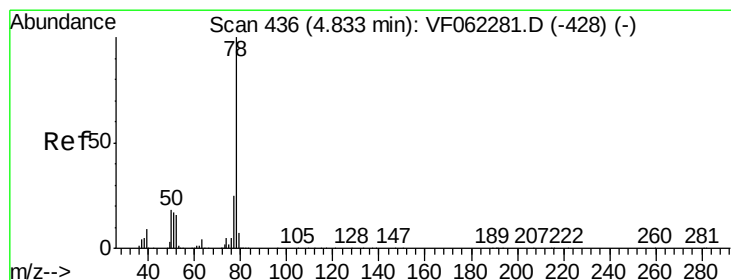
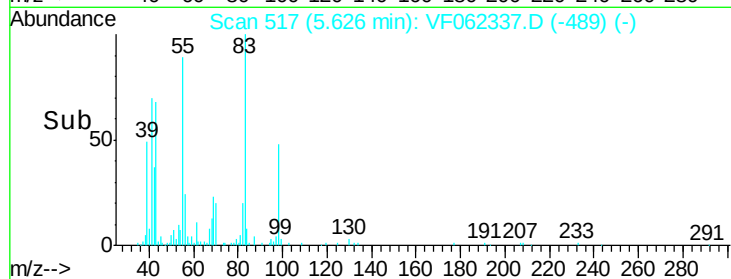
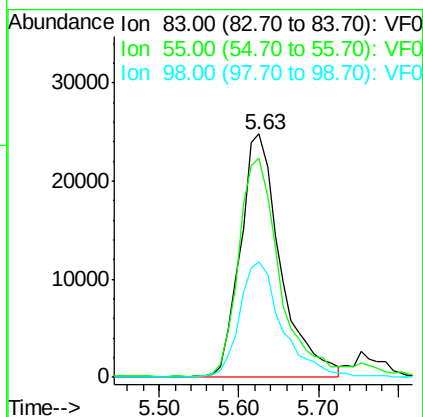
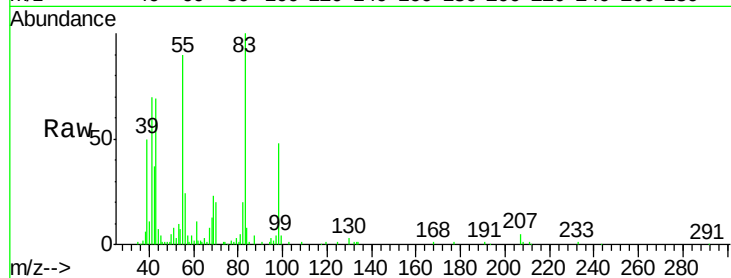




#39
Methylvlcyclohexane
Concen: 17.858 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.03 min
Lab File: VF062337.D
Acq: 30 Apr 2019 17:51

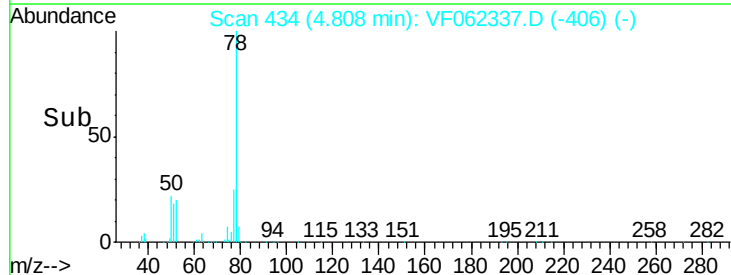
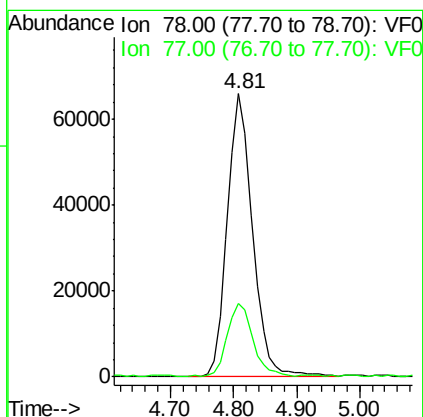
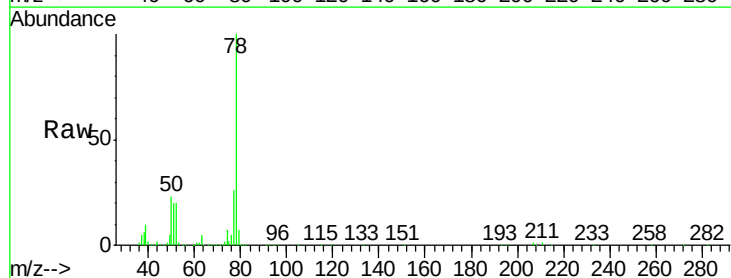
Instrument :
MSVOA_F
ClientSampleId :
VF0430SBS01

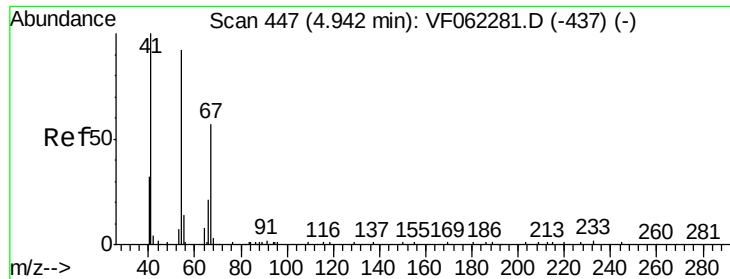
Tot Ion: 83 Resp: 86854
Ion Ratio Lower Upper
83 100
55 89.5 68.7 103.1
98 47.1 37.4 56.2



#40
Benzene
Concen: 18.064 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.03 min
Lab File: VF062337.D
Acq: 30 Apr 2019 17:51

Tgt Ion: 78 Resp: 181833
Ion Ratio Lower Upper
78 100
77 25.6 19.7 29.5





#41

Methacrylonitrile

Concen: 19.933 ug/l

RT: 4.92 min Scan# 445

Delta R.T. -0.03 min

Lab File: VF062337.D

Acq: 30 Apr 2019 17:51

Instrument :

MSVOA_F

ClientSampleId :

VF0430SBS01

Tot Ion: 41 Resp: 19409

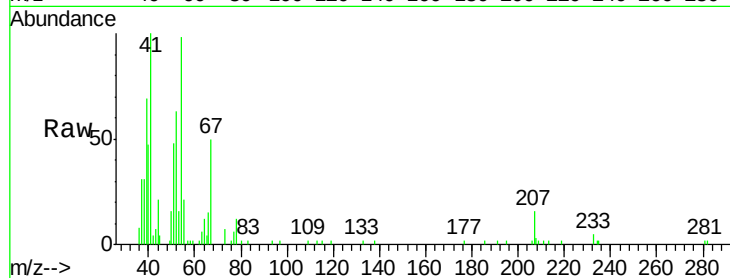
Ion Ratio Lower Upper

41 100

39 76.2 47.3 70.9#

67 49.0 41.3 61.9

52 73.1 49.4 74.2

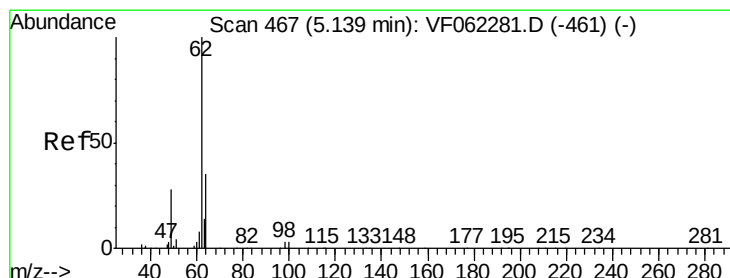
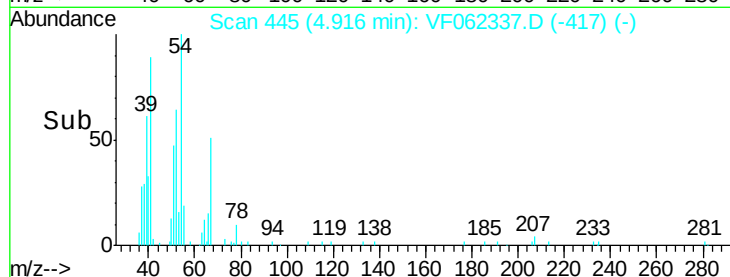
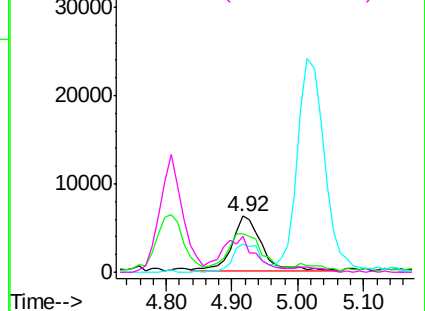


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 24.126 ug/l

RT: 5.11 min Scan# 465

Delta R.T. -0.03 min

Lab File: VF062337.D

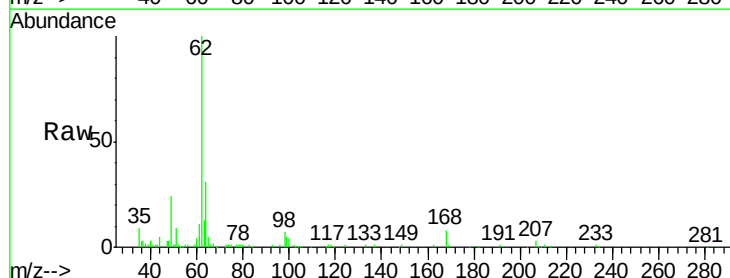
Acq: 30 Apr 2019 17:51

Tgt Ion: 62 Resp: 76935

Ion Ratio Lower Upper

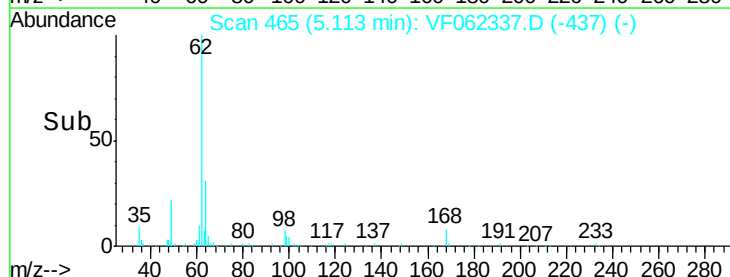
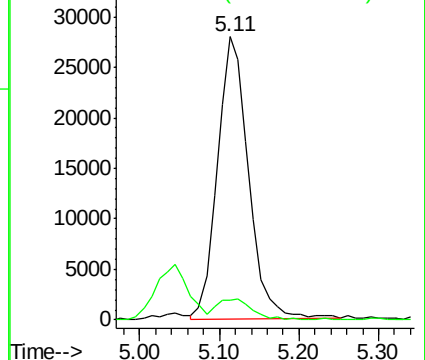
62 100

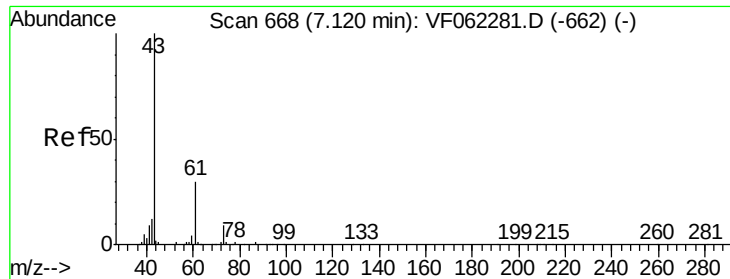
98 8.4 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 97.90 (97.60 to 98.60): VF0





#43

Isopropyl Acetate

Concen: 21.876 ug/l

RT: 7.10 min Scan# 667

Delta R.T. -0.02 min

Lab File: VF062337.D

Acq: 30 Apr 2019 17:51

Instrument :

MSVOA_F

ClientSampleId :

VF0430SBS01

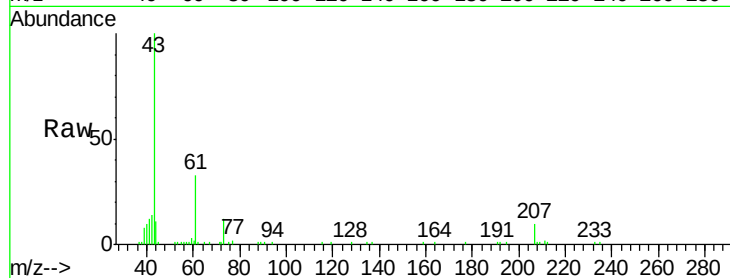
Tot Ion: 43 Resp: 39505

Ion Ratio Lower Upper

43 100

61 29.2 23.8 35.6

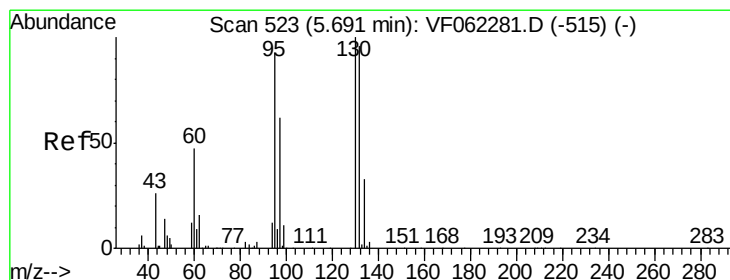
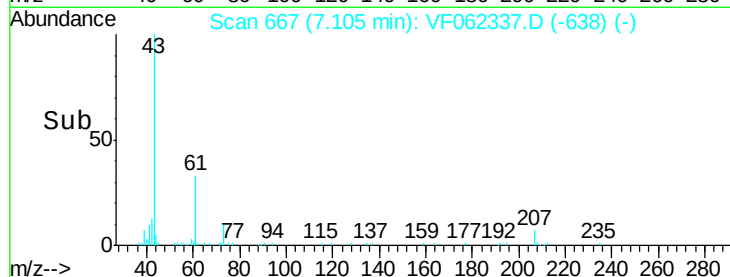
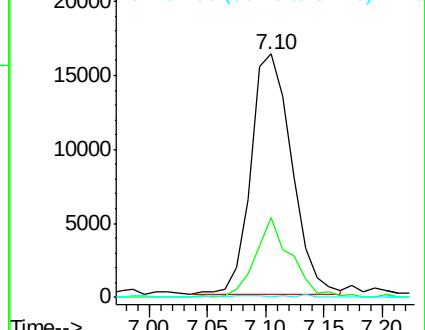
87 0.7 0.5 0.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 20.700 ug/l

RT: 5.67 min Scan# 521

Delta R.T. -0.03 min

Lab File: VF062337.D

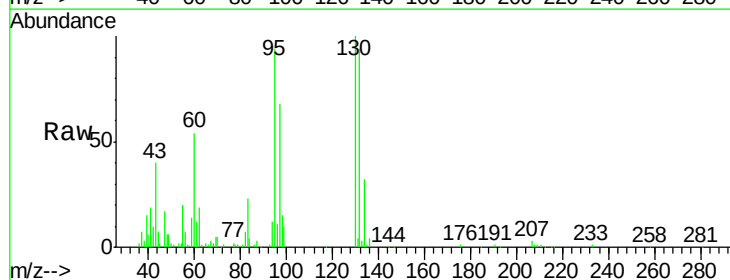
Acq: 30 Apr 2019 17:51

Tgt Ion: 130 Resp: 70497

Ion Ratio Lower Upper

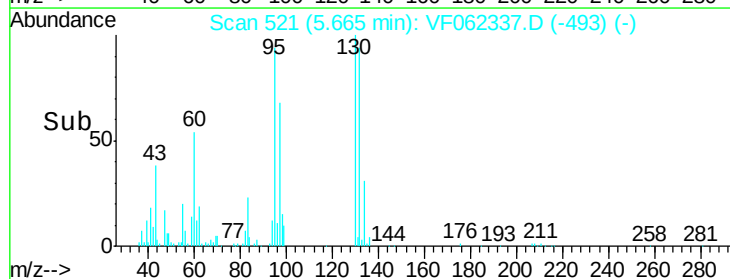
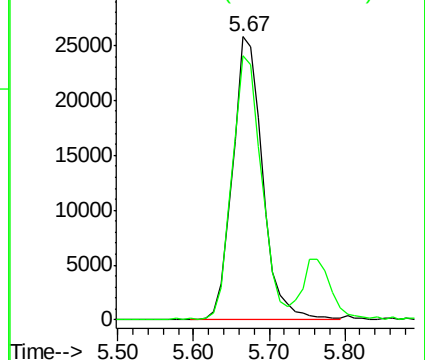
130 100

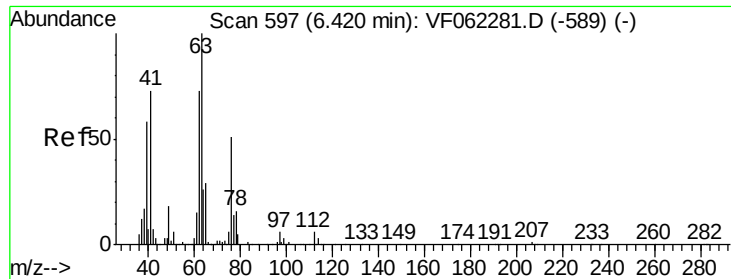
95 93.1 0.0 186.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 21.212 ug/l

RT: 6.40 min Scan# 596

Delta R.T. -0.02 min

Lab File: VF062337.D

Acq: 30 Apr 2019 17:51

Instrument :

MSVOA_F

ClientSampleId :

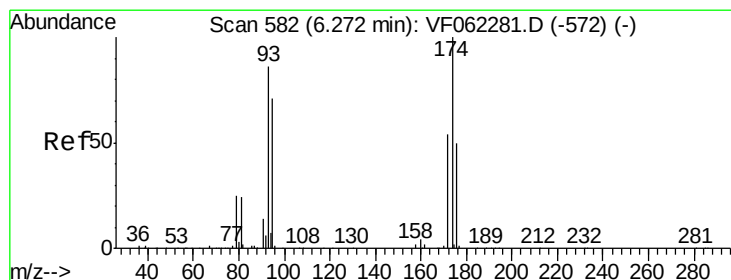
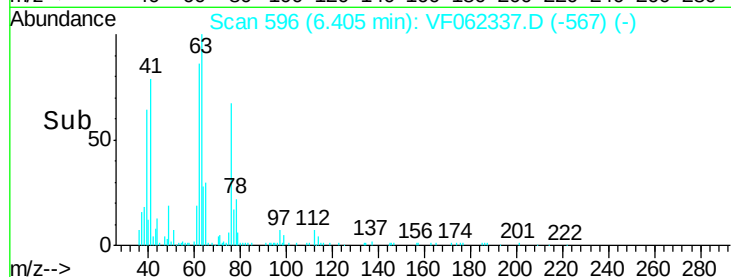
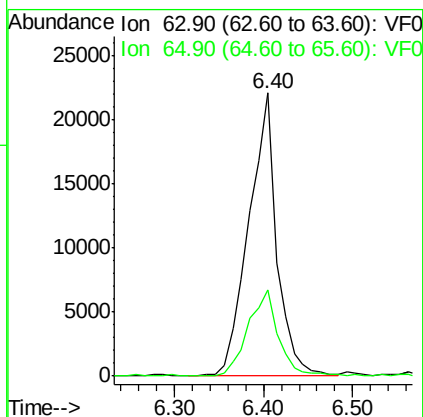
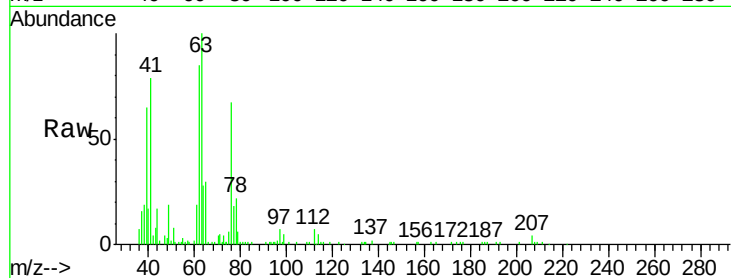
VF0430SBS01

Tot Ion: 63 Resp: 48142

Ion Ratio Lower Upper

63 100

65 30.3 23.5 35.3



#46

Dibromomethane

Concen: 22.233 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.03 min

Lab File: VF062337.D

Acq: 30 Apr 2019 17:51

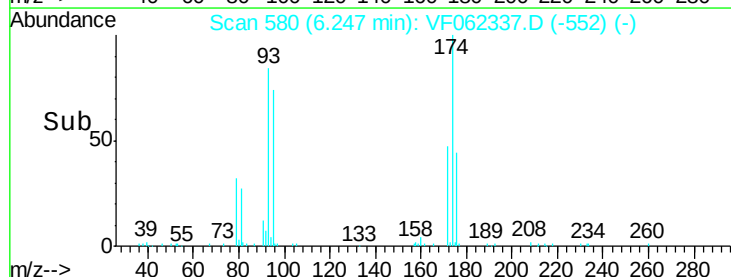
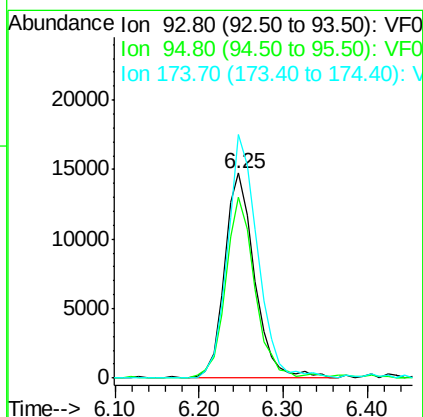
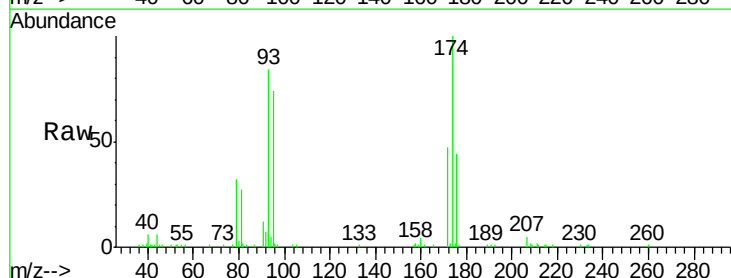
Tgt Ion: 93 Resp: 36434

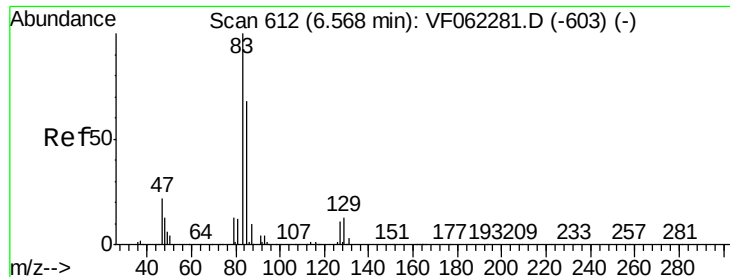
Ion Ratio Lower Upper

93 100

95 85.7 66.2 99.4

174 119.7 94.9 142.3





#47

Bromodichloromethane

Concen: 23.346 ug/l

RT: 6.54 min Scan# 610

Delta R.T. -0.03 min

Lab File: VF062337.D

Acq: 30 Apr 2019 17:51

Instrument :

MSVOA_F

ClientSampleId :

VF0430SBS01

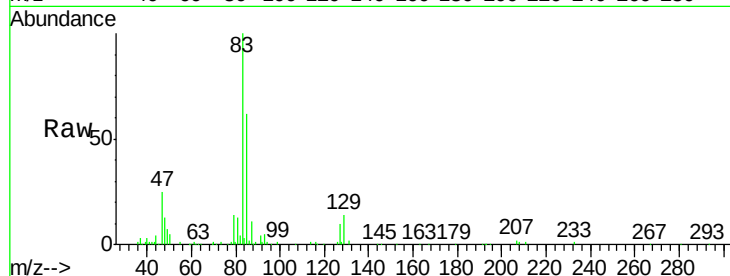
Tot Ion: 83 Resp: 89940

Ion Ratio Lower Upper

83 100

85 61.7 54.6 81.8

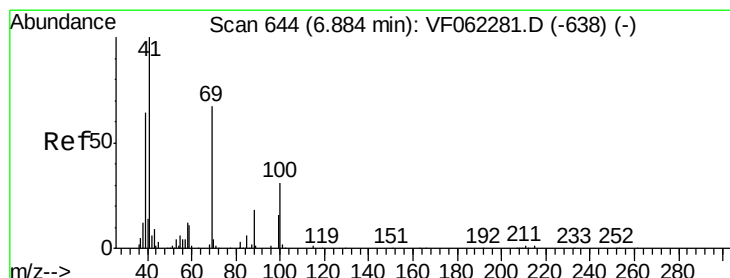
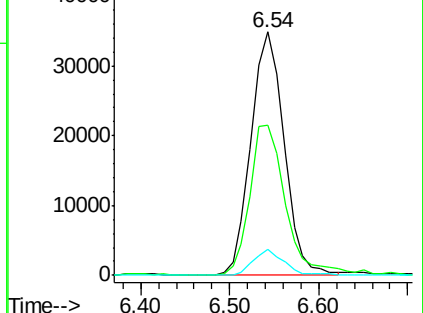
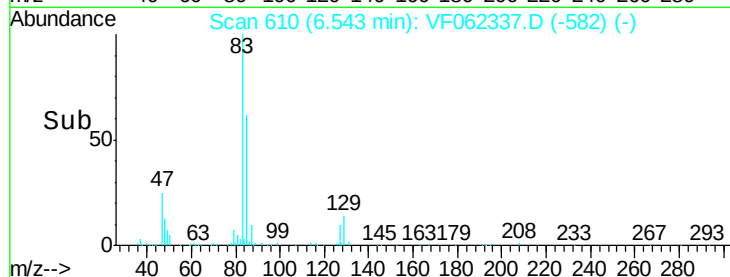
127 10.4 8.7 13.1



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.462 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.02 min

Lab File: VF062337.D

Acq: 30 Apr 2019 17:51

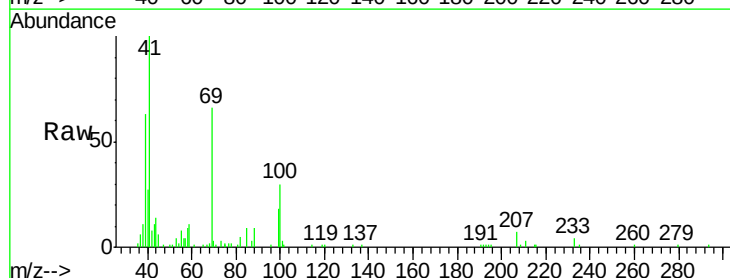
Tgt Ion: 41 Resp: 24992

Ion Ratio Lower Upper

41 100

69 69.8 53.4 80.2

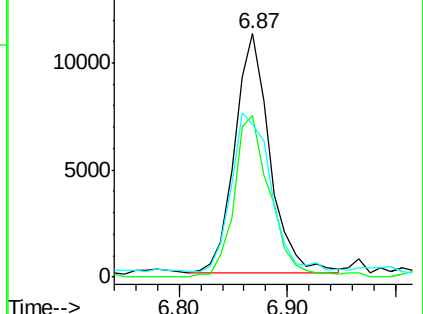
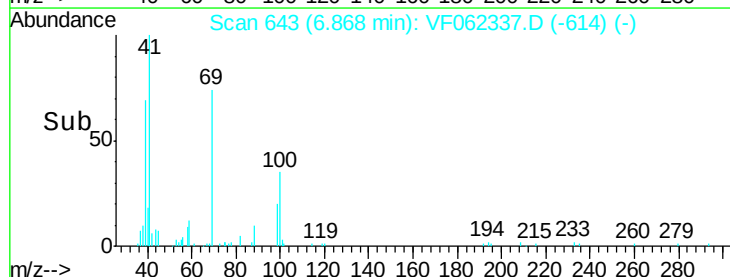
39 76.0 50.9 76.3

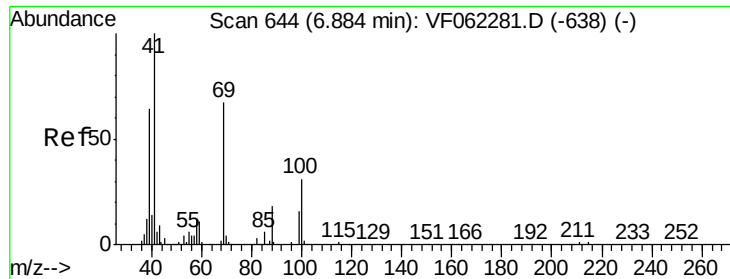


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 359.106 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.03 min

Lab File: VF062337.D

Acq: 30 Apr 2019 17:51

Instrument :

MSVOA_F

ClientSampleId :

VF0430SBS01

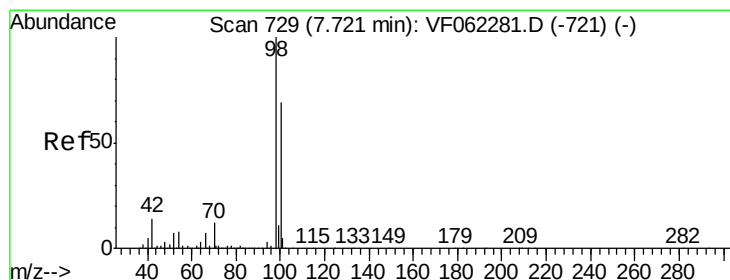
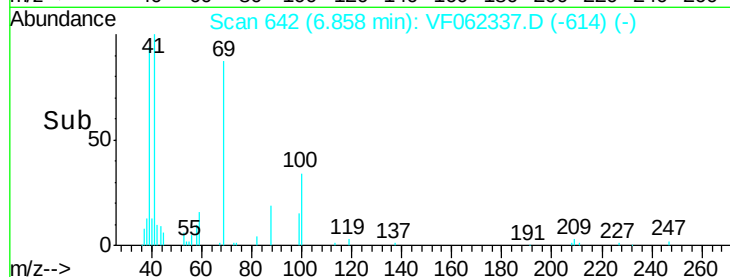
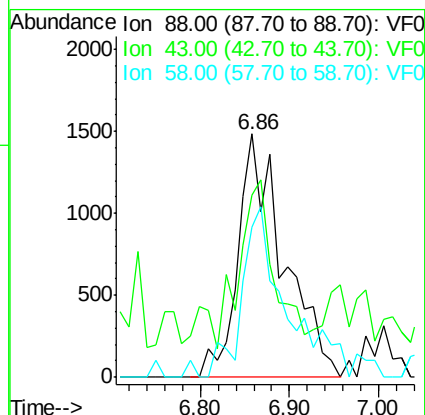
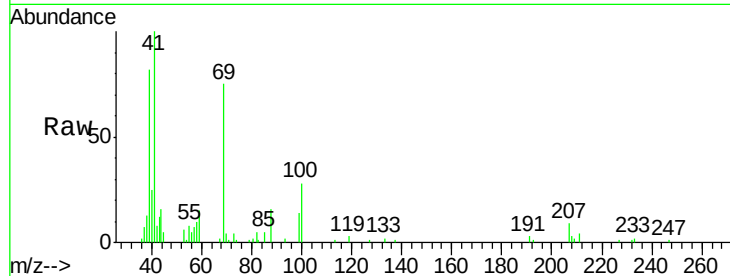
Tot Ion: 88 Resp: 5310

Ion Ratio Lower Upper

88 100

43 51.9 34.2 51.4#

58 67.2 50.7 76.1



#50

Toluene-d8

Concen: 47.580 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.03 min

Lab File: VF062337.D

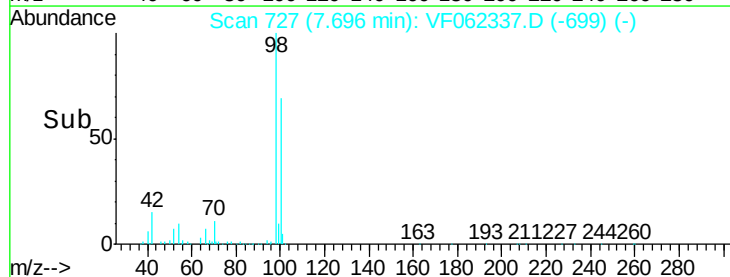
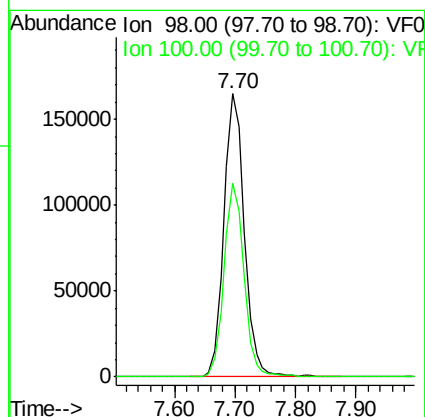
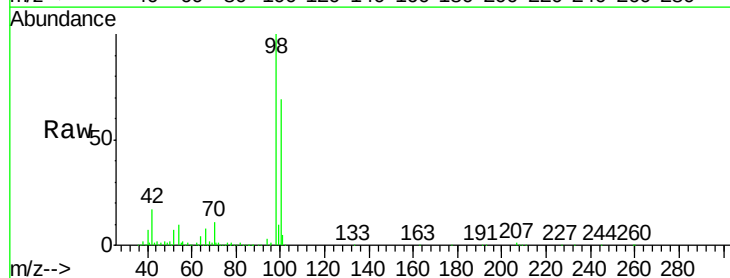
Acq: 30 Apr 2019 17:51

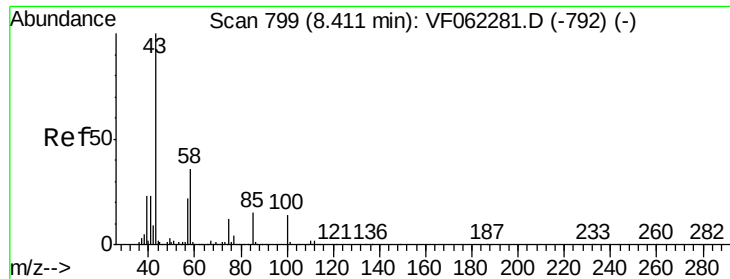
Tgt Ion: 98 Resp: 389139

Ion Ratio Lower Upper

98 100

100 66.8 54.4 81.6





#51

4-Methyl-2-Pentanone

Concen: 110.749 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.02 min

Lab File: VF062337.D

Acq: 30 Apr 2019 17:51

Instrument :

MSVOA_F

ClientSampleId :

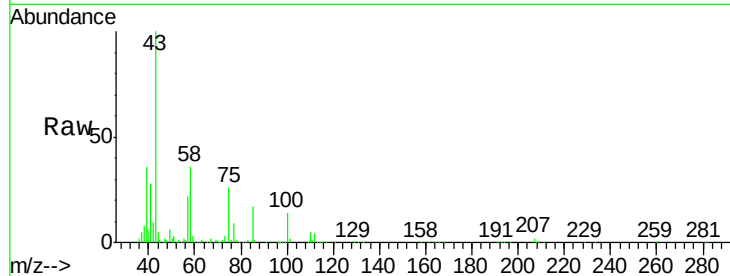
VF0430SBS01

Tot Ion: 43 Resp: 152946

Ion Ratio Lower Upper

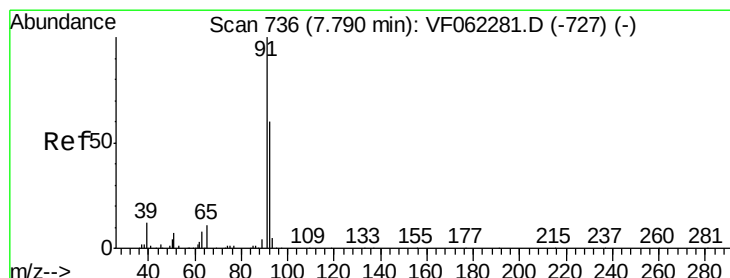
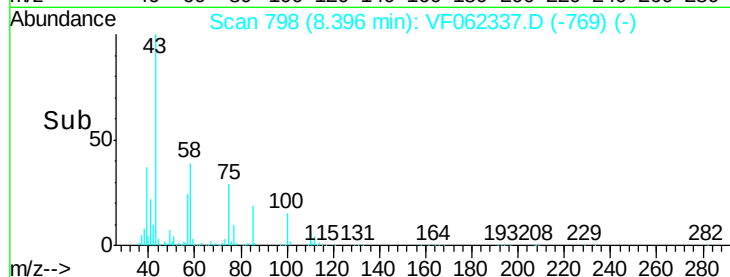
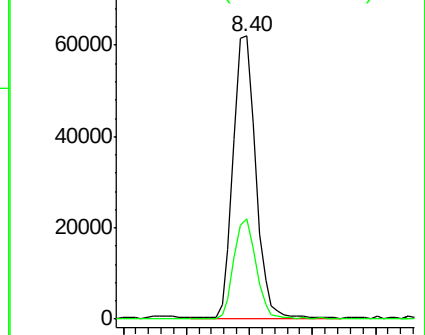
43 100

58 35.2 29.1 43.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 20.075 ug/l

RT: 7.76 min Scan# 734

Delta R.T. -0.03 min

Lab File: VF062337.D

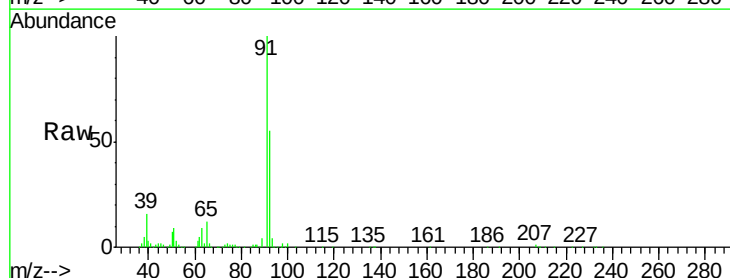
Acq: 30 Apr 2019 17:51

Tgt Ion: 92 Resp: 116601

Ion Ratio Lower Upper

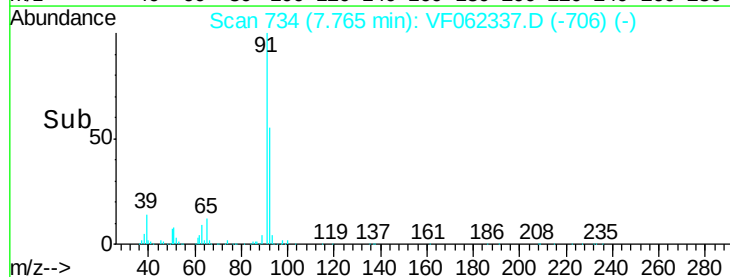
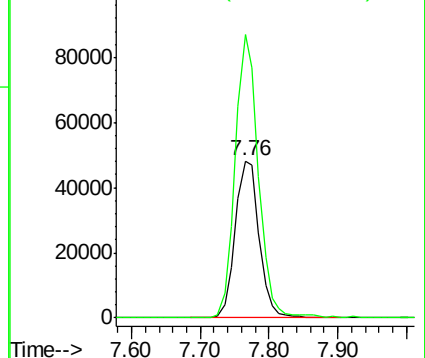
92 100

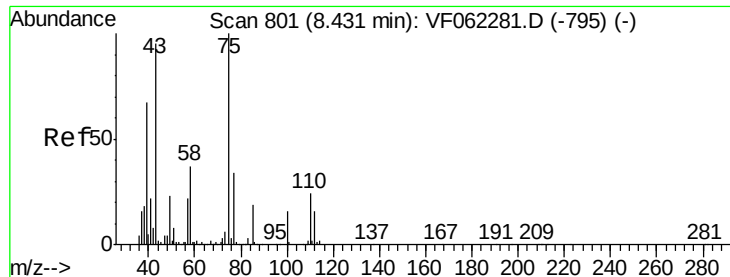
91 174.5 132.5 198.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

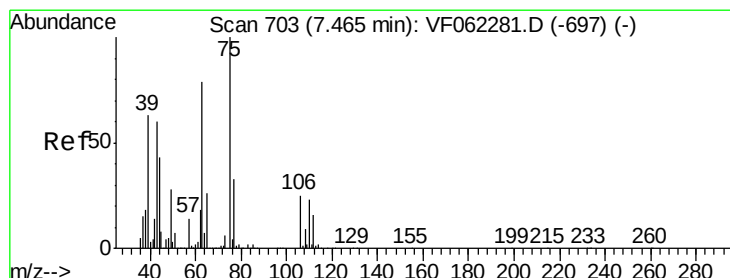
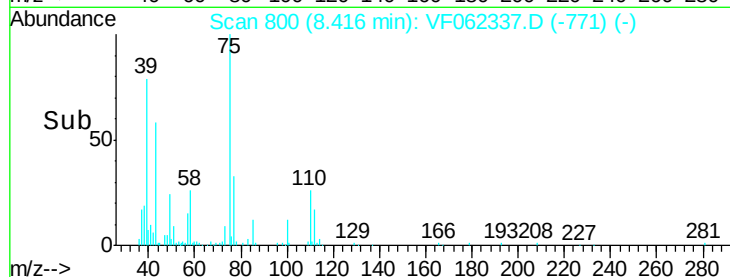
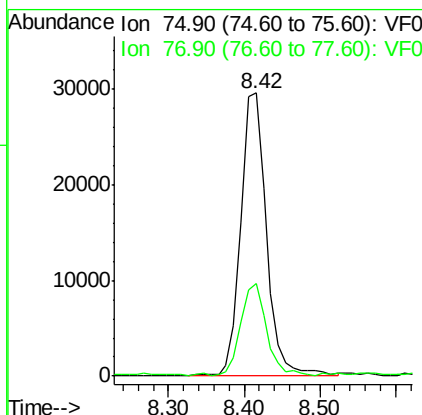
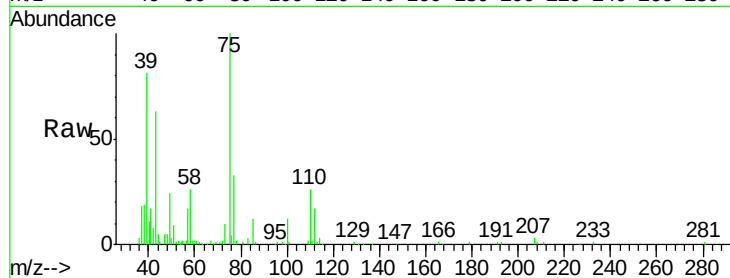




#53
 t-1,3-Dichloropropene
 Concen: 24.723 ug/l
 RT: 8.42 min Scan# 800
 Delta R.T. -0.02 min
 Lab File: VF062337.D
 Acq: 30 Apr 2019 17:51

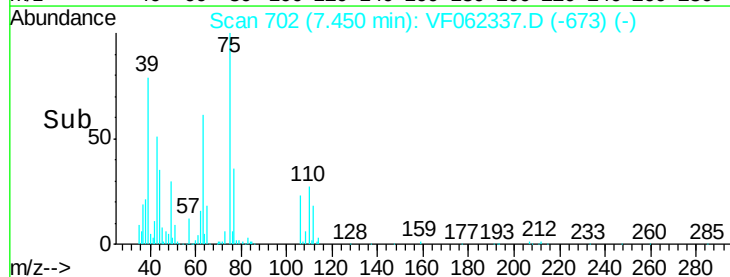
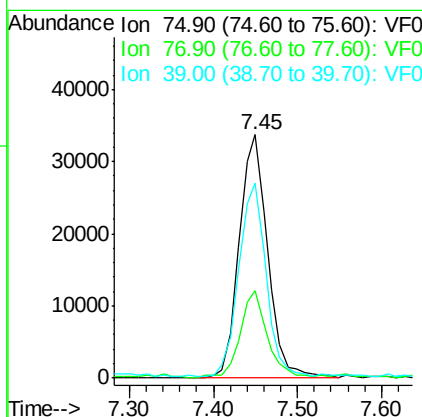
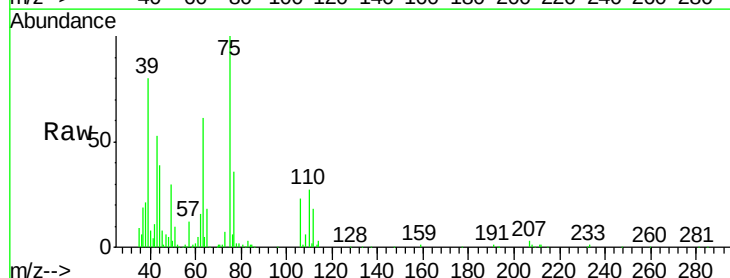
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0430SBS01

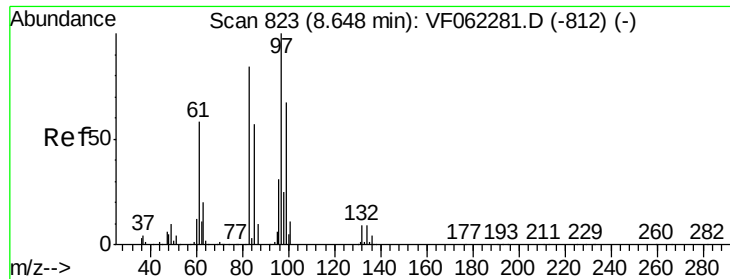
Tot Ion: 75 Resp: 70037
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.9 40.3



#54
 cis-1,3-Dichloropropene
 Concen: 21.965 ug/l
 RT: 7.45 min Scan# 702
 Delta R.T. -0.02 min
 Lab File: VF062337.D
 Acq: 30 Apr 2019 17:51

Tgt Ion: 75 Resp: 79713
 Ion Ratio Lower Upper
 75 100
 77 35.7 26.5 39.7
 39 79.0 50.2 75.2#





#55

1,1,2-Trichloroethane

Concen: 23.846 ug/l

RT: 8.62 min Scan# 821

Delta R.T. -0.03 min

Lab File: VF062337.D

Acq: 30 Apr 2019 17:51

Instrument :

MSVOA_F

ClientSampleId :

VF0430SBS01

Tot Ion: 97 Resp: 39338

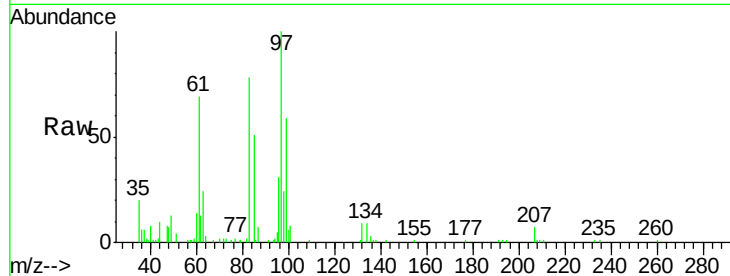
Ion Ratio Lower Upper

97 100

83 77.9 67.5 101.3

85 50.3 45.3 67.9

99 59.5 53.4 80.0

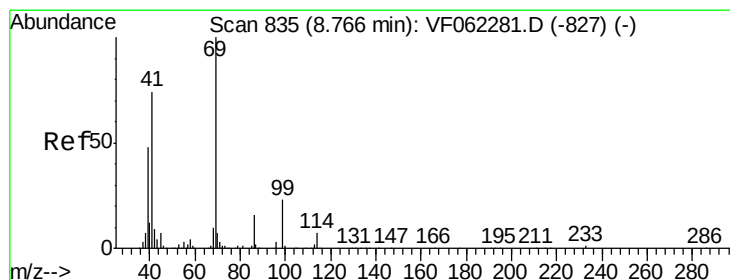
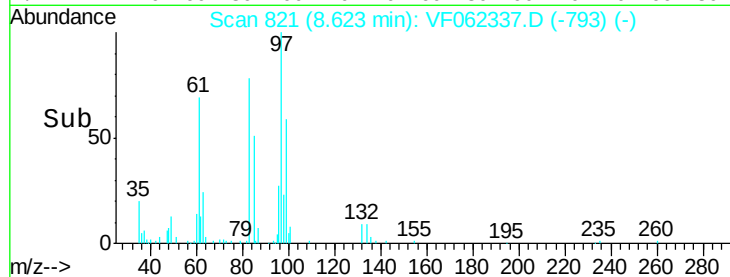
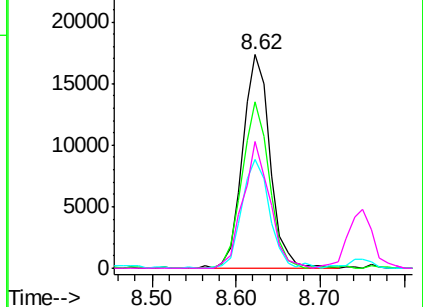


Abundance Ion 96.90 (96.60 to 97.60): VF0

Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 98.90 (98.60 to 99.60): VF0



#56

Ethyl methacrylate

Concen: 22.308 ug/l

RT: 8.74 min Scan# 833

Delta R.T. -0.03 min

Lab File: VF062337.D

Acq: 30 Apr 2019 17:51

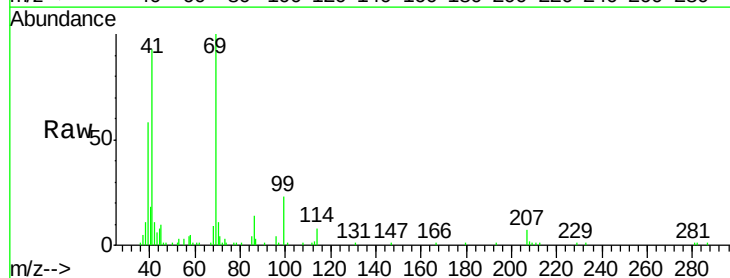
Tgt Ion: 69 Resp: 40428

Ion Ratio Lower Upper

69 100

41 86.9 61.5 92.3

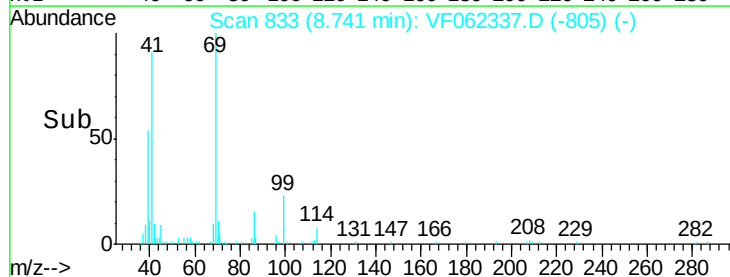
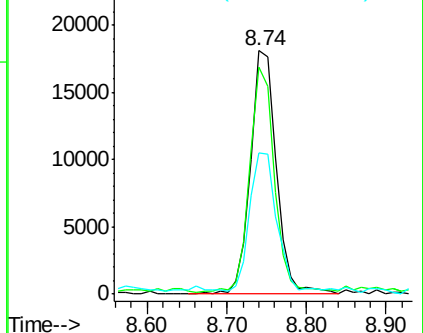
39 57.9 37.9 56.9#

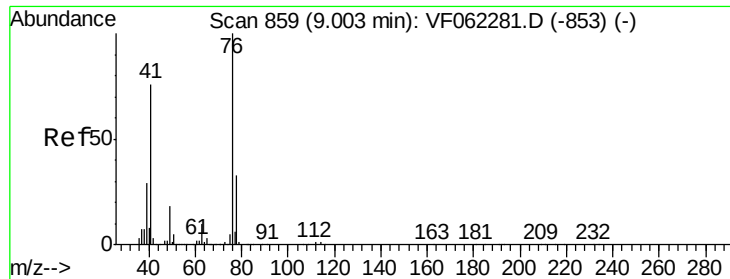


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

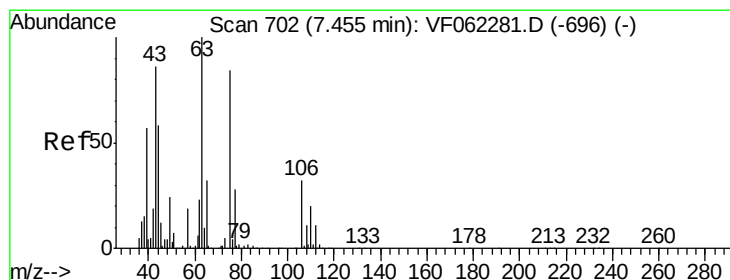
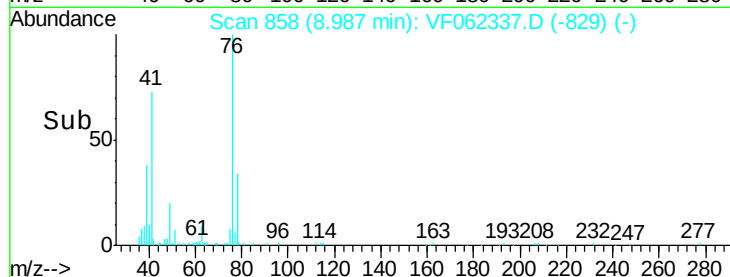
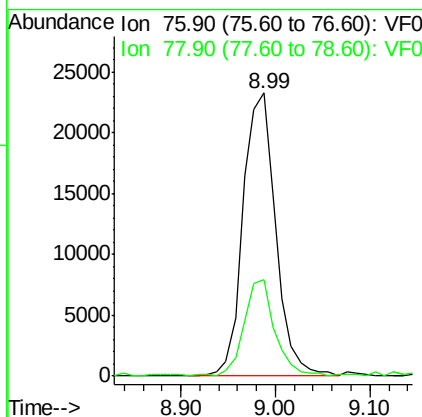
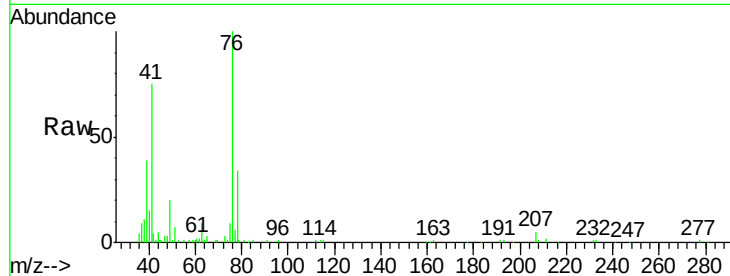




#57
 1,3-Dichloropropane
 Concen: 21.507 ug/l
 RT: 8.99 min Scan# 858
 Delta R.T. -0.02 min
 Lab File: VF062337.D
 Acq: 30 Apr 2019 17:51

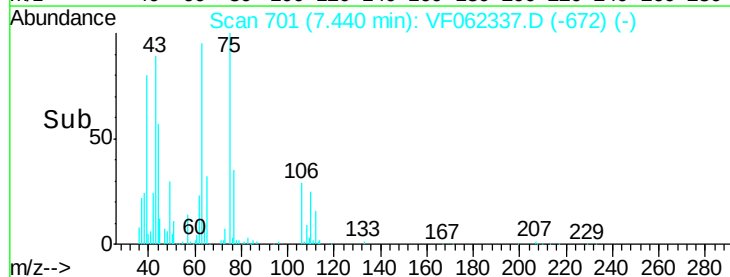
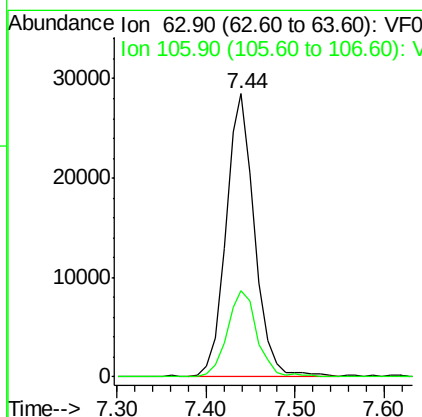
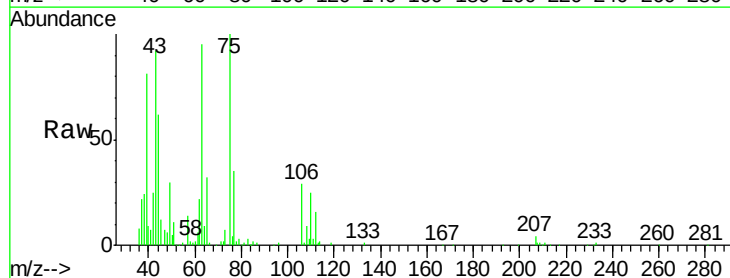
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0430SBS01

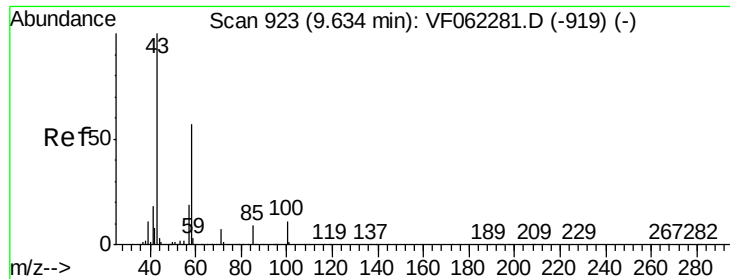
Tot Ion: 76 Resp: 55783
 Ion Ratio Lower Upper
 76 100
 78 32.2 27.0 40.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 116.258 ug/l
 RT: 7.44 min Scan# 701
 Delta R.T. -0.02 min
 Lab File: VF062337.D
 Acq: 30 Apr 2019 17:51

Tgt Ion: 63 Resp: 64112
 Ion Ratio Lower Upper
 63 100
 106 31.8 24.7 37.1

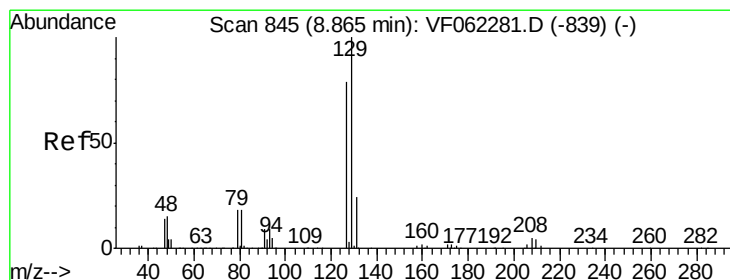
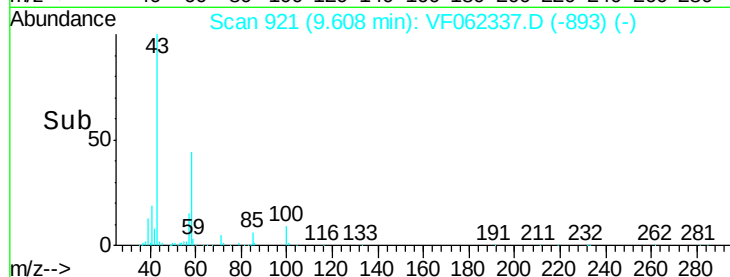
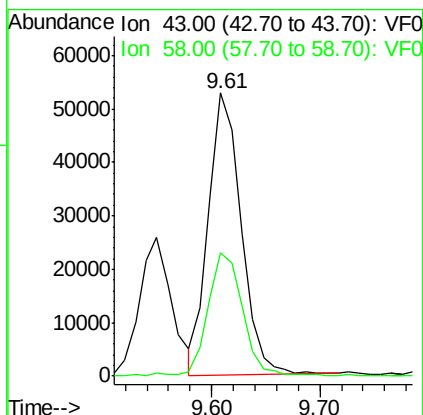
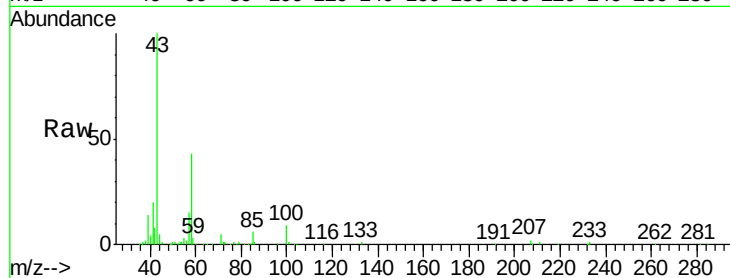




#59
2-Hexanone
Concen: 124.418 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.02 min
Lab File: VF062337.D
Acq: 30 Apr 2019 17:51

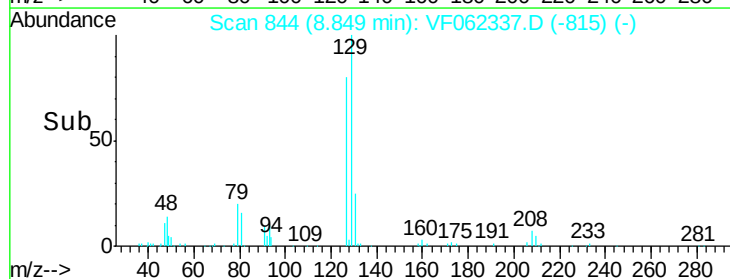
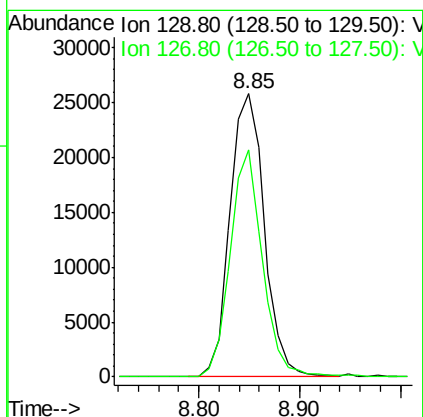
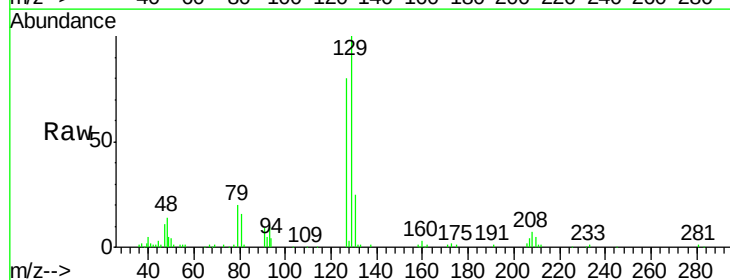
Instrument :
MSVOA_F
ClientSampleId :
VF0430SBS01

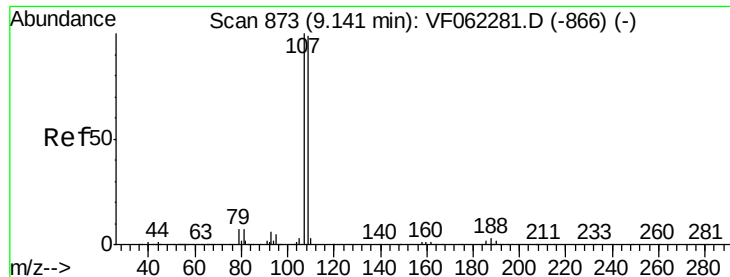
Tot Ion: 43 Resp: 110893
Ion Ratio Lower Upper
43 100
58 47.4 24.9 74.7



#60
Dibromochloromethane
Concen: 22.864 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.02 min
Lab File: VF062337.D
Acq: 30 Apr 2019 17:51

Tgt Ion: 129 Resp: 61217
Ion Ratio Lower Upper
129 100
127 74.7 38.8 116.4





#61

1,2-Dibromoethane

Concen: 22.822 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.03 min

Lab File: VF062337.D

Acq: 30 Apr 2019 17:51

Instrument :

MSVOA_F

ClientSampleId :

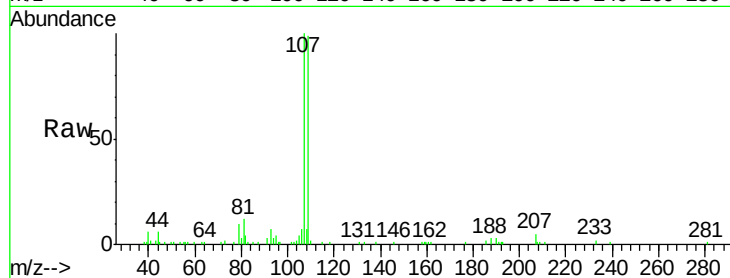
VF0430SBS01

Tot Ion:107 Resp: 43573

Ion Ratio Lower Upper

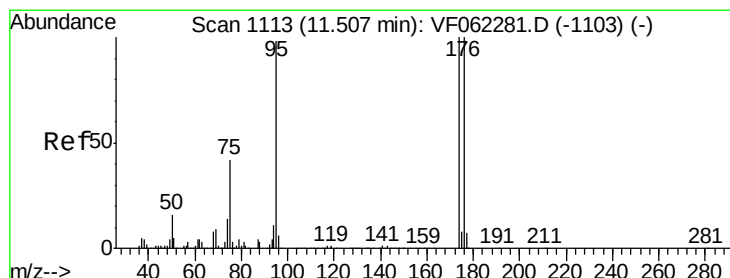
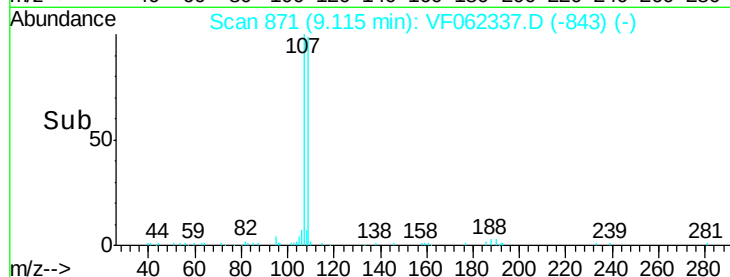
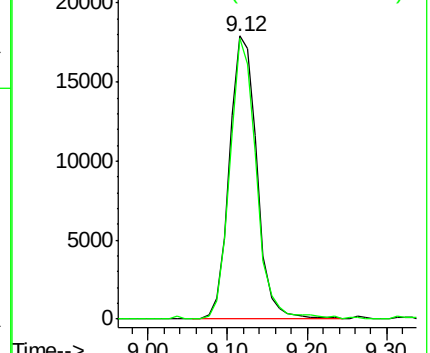
107 100

109 95.4 78.7 118.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.940 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. -0.03 min

Lab File: VF062337.D

Acq: 30 Apr 2019 17:51

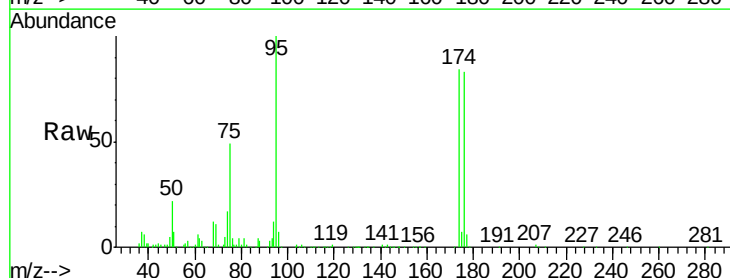
Tgt Ion: 95 Resp: 175095

Ion Ratio Lower Upper

95 100

174 96.6 0.0 185.2

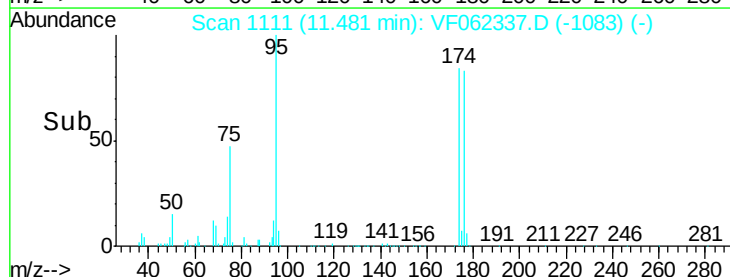
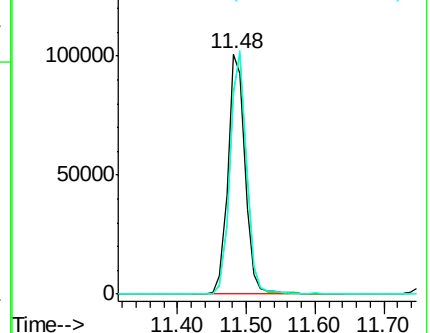
176 97.3 0.0 184.8

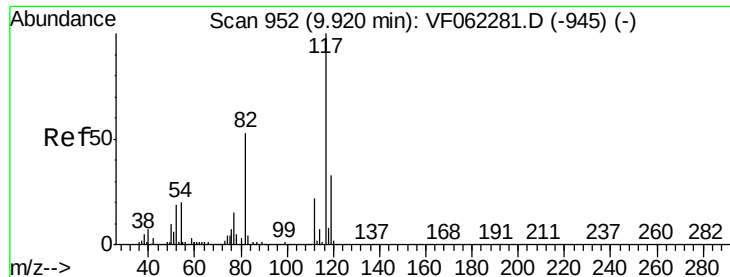


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

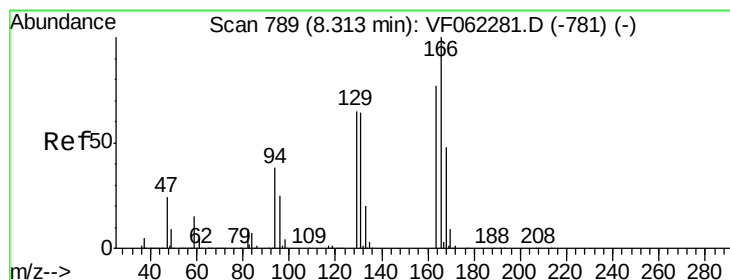
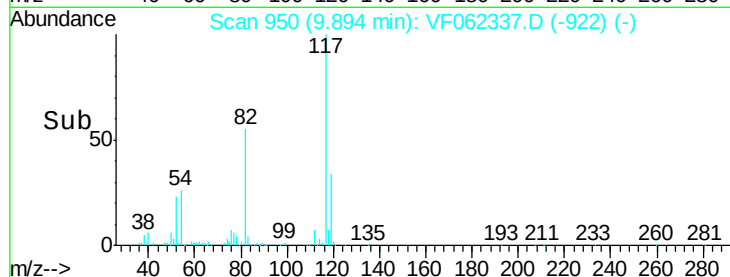
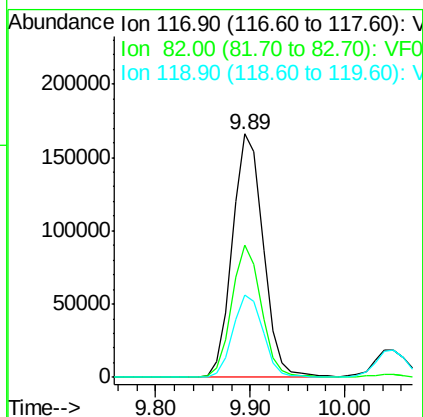
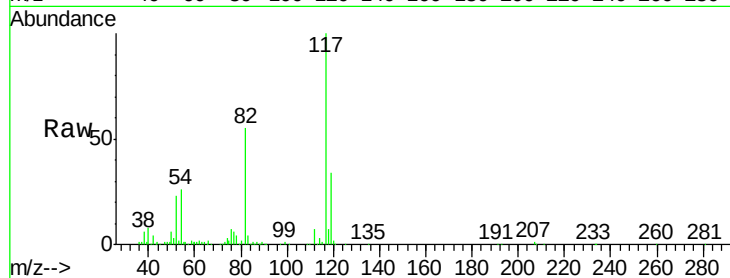




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 950
Delta R.T. -0.03 min
Lab File: VF062337.D
Acq: 30 Apr 2019 17:51

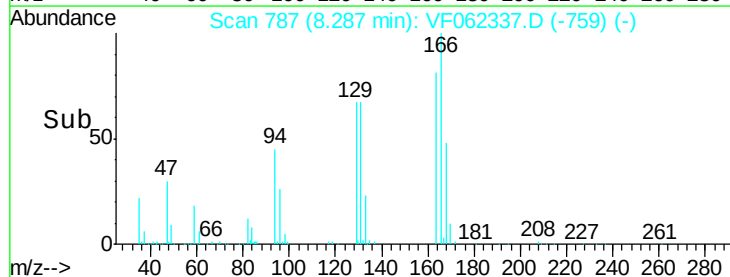
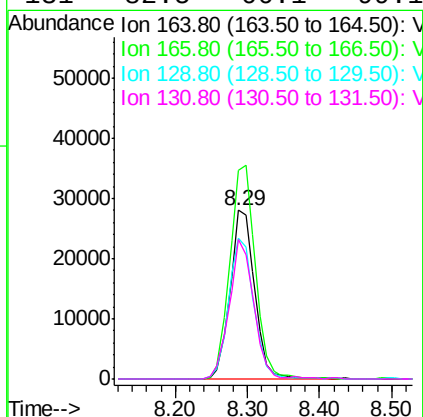
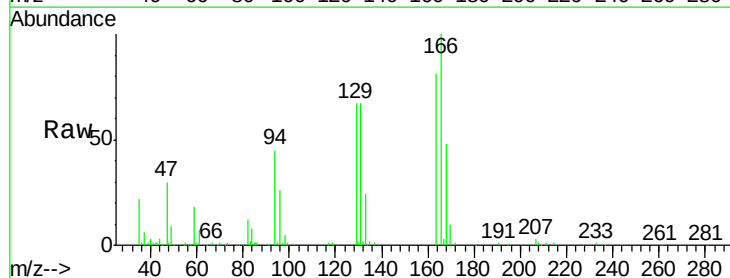
Instrument :
MSVOA_F
ClientSampleId :
VF0430SBS01

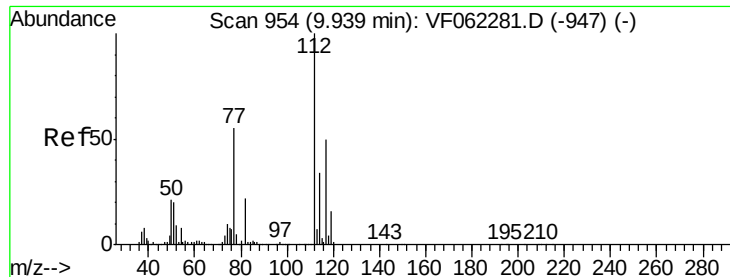
Tot Ion:117 Resp: 376069
Ion Ratio Lower Upper
117 100
82 54.4 42.6 64.0
119 34.0 26.1 39.1



#64
Tetrachloroethene
Concen: 21.141 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.03 min
Lab File: VF062337.D
Acq: 30 Apr 2019 17:51

Tgt Ion:164 Resp: 66501
Ion Ratio Lower Upper
164 100
166 124.0 103.5 155.3
129 83.2 67.6 101.4
131 82.5 66.1 99.1

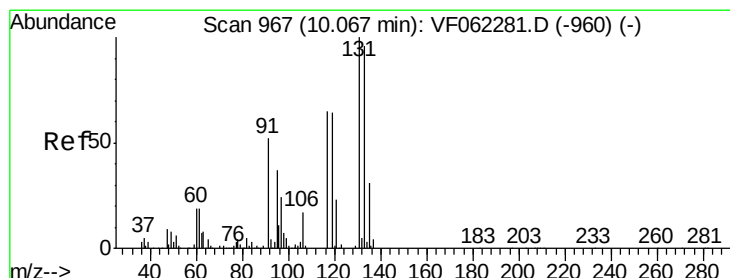
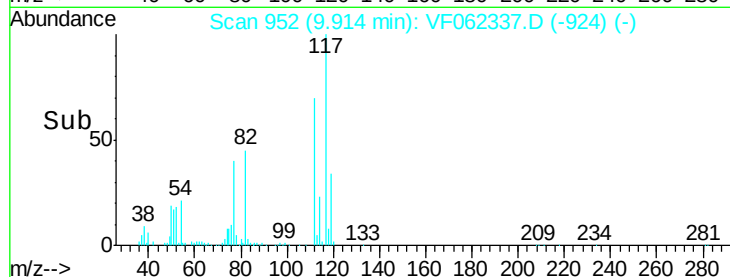
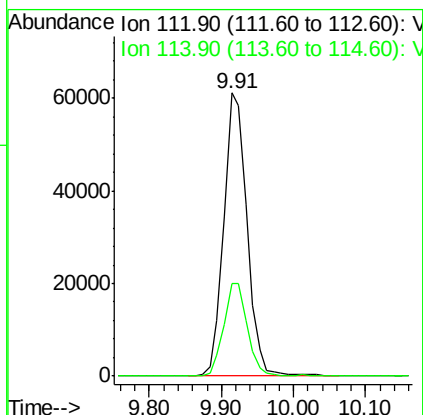
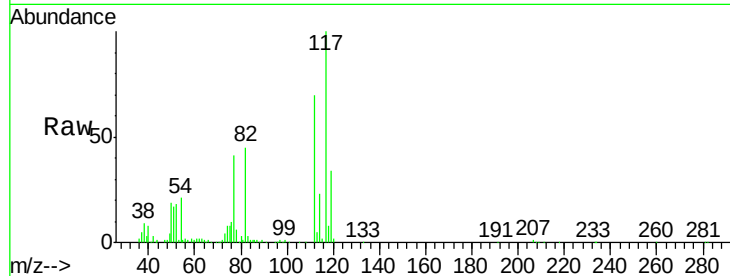




#65
Chlorobenzene
Concen: 19.898 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.03 min
Lab File: VF062337.D
Acq: 30 Apr 2019 17:51

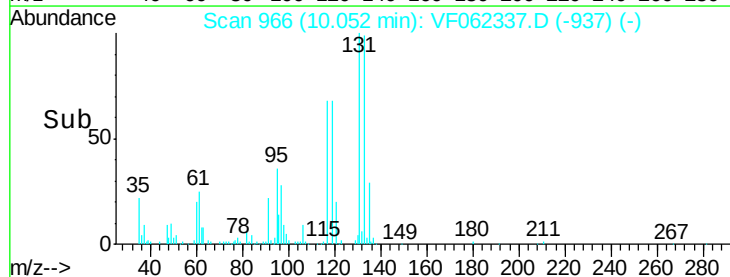
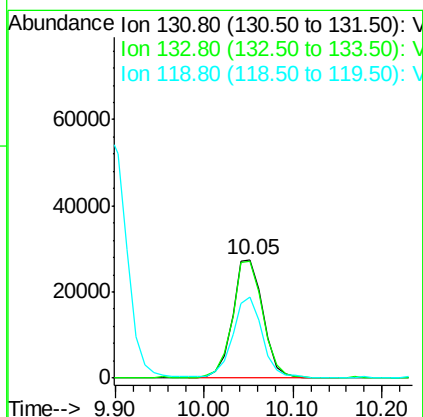
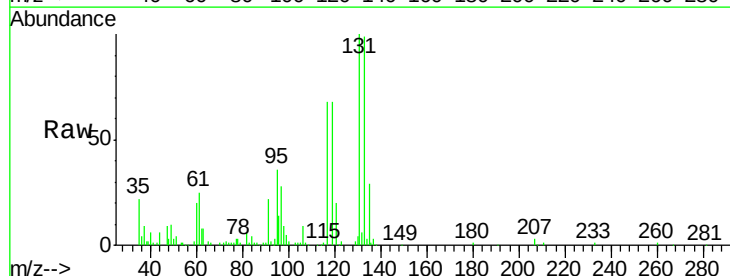
Instrument :
MSVOA_F
ClientSampleId :
VF0430SBS01

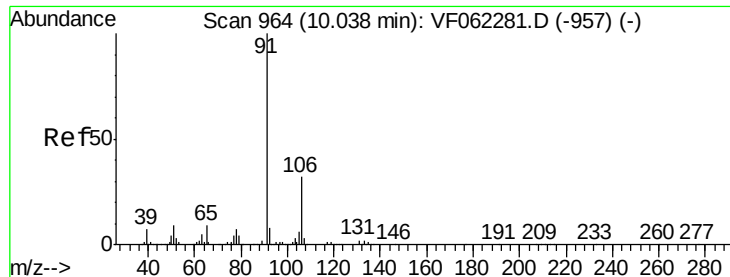
Tot Ion:112 Resp: 136744
Ion Ratio Lower Upper
112 100
114 32.7 27.0 40.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.216 ug/l
RT: 10.05 min Scan# 966
Delta R.T. -0.02 min
Lab File: VF062337.D
Acq: 30 Apr 2019 17:51

Tgt Ion:131 Resp: 65438
Ion Ratio Lower Upper
131 100
133 100.1 48.5 145.5
119 67.9 32.9 98.7





#67

Ethyl Benzene

Concen: 20.215 ug/l

RT: 10.01 min Scan# 962

Delta R.T. -0.03 min

Lab File: VF062337.D

Acq: 30 Apr 2019 17:51

Instrument :

MSVOA_F

ClientSampleId :

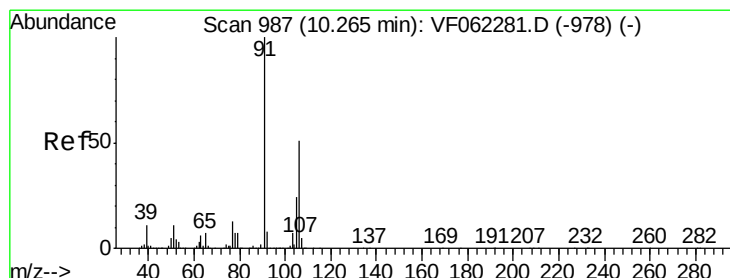
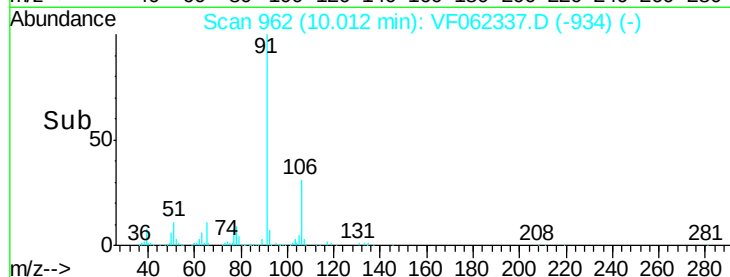
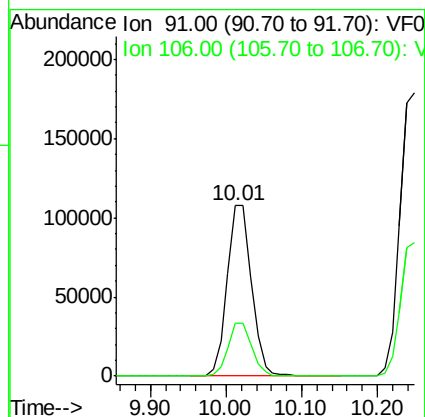
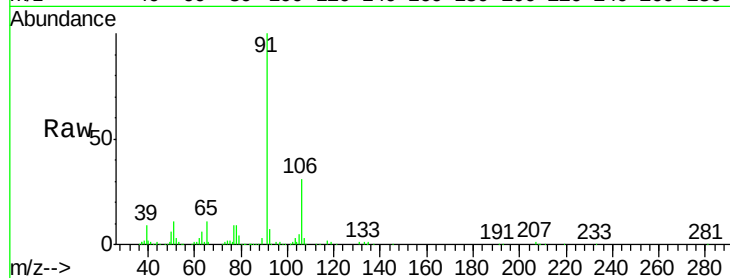
VF0430SBS01

Tot Ion: 91 Resp: 241520

Ion Ratio Lower Upper

91 100

106 31.1 25.6 38.4



#68

m/p-Xylenes

Concen: 40.869 ug/l

RT: 10.25 min Scan# 986

Delta R.T. -0.02 min

Lab File: VF062337.D

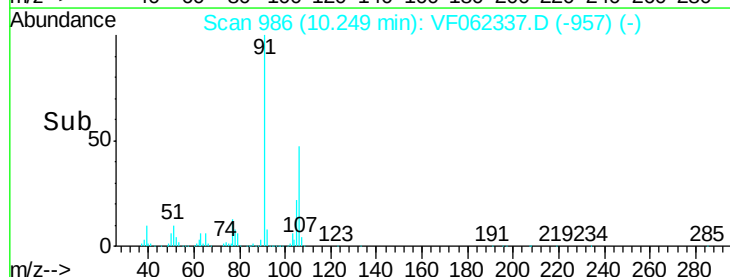
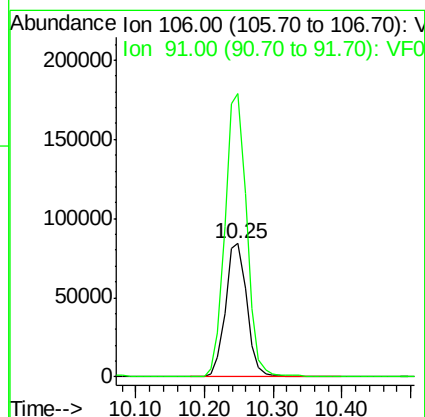
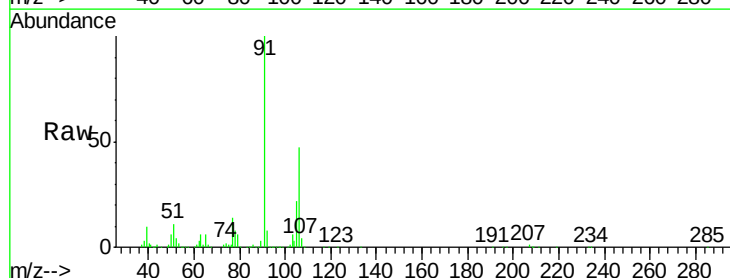
Acq: 30 Apr 2019 17:51

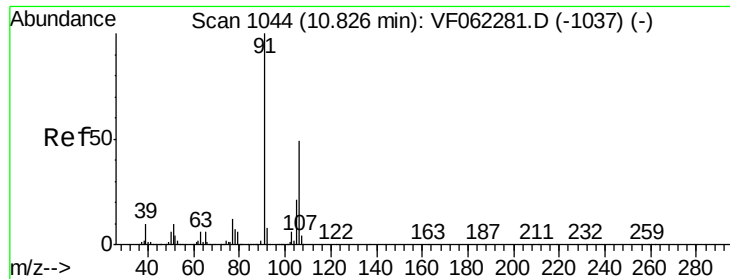
Tgt Ion: 106 Resp: 181792

Ion Ratio Lower Upper

106 100

91 215.7 158.3 237.5

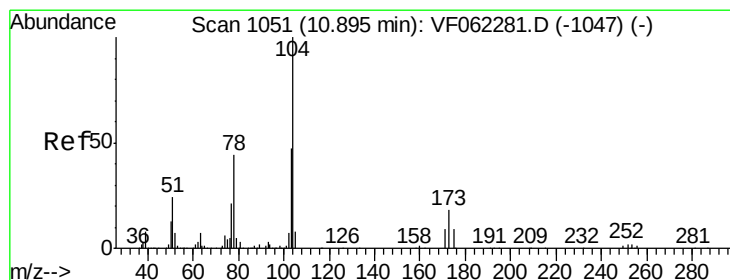
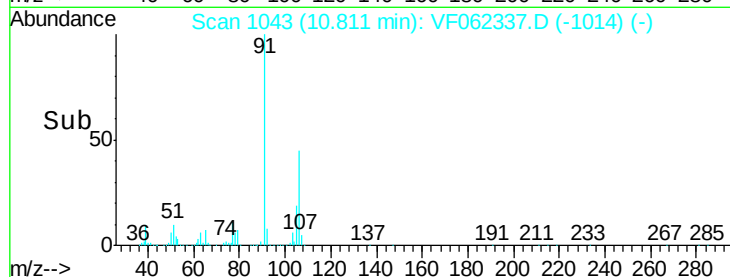
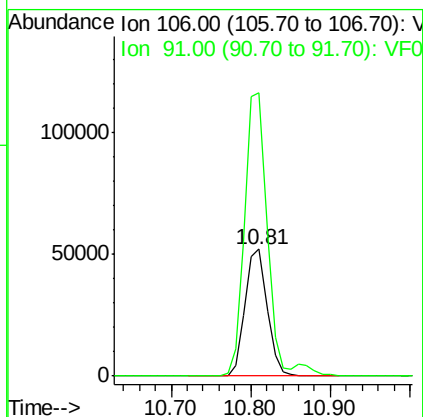
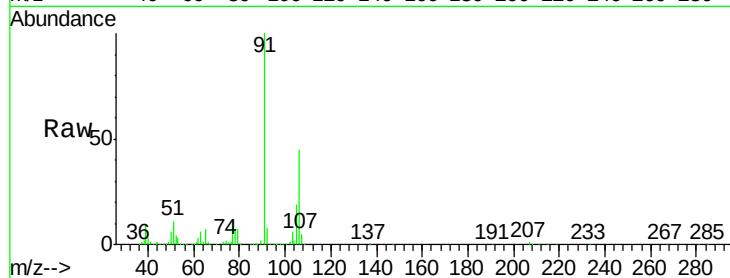




#69
o-Xylene
Concen: 20.236 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.02 min
Lab File: VF062337.D
Acq: 30 Apr 2019 17:51

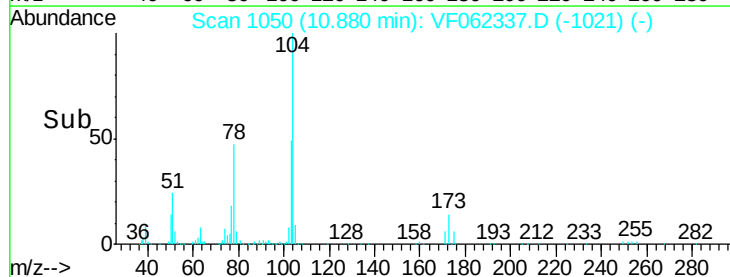
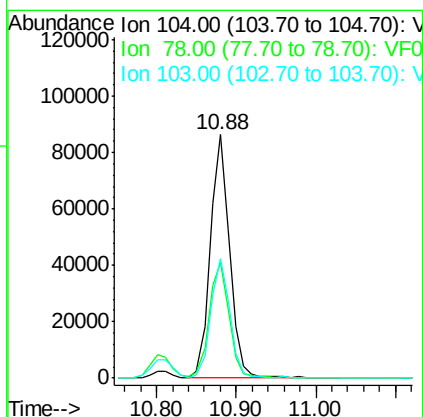
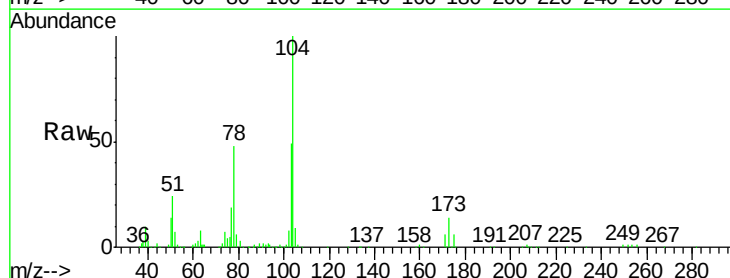
Instrument :
MSVOA_F
ClientSampleId :
VF0430SBS01

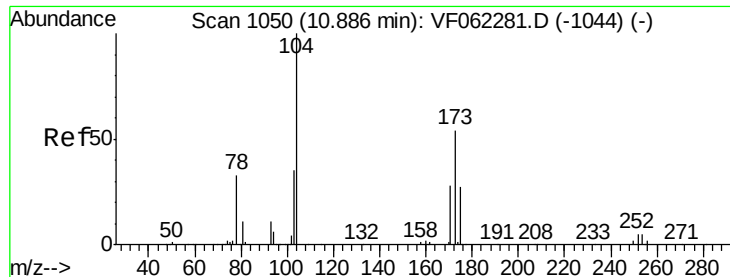
Tot Ion:106 Resp: 100563
Ion Ratio Lower Upper
106 100
91 222.3 110.0 330.0



#70
Styrene
Concen: 20.432 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.02 min
Lab File: VF062337.D
Acq: 30 Apr 2019 17:51

Tgt Ion:104 Resp: 146784
Ion Ratio Lower Upper
104 100
78 49.1 35.9 53.9
103 49.2 37.5 56.3





#71

Bromoform

Concen: 21.395 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. -0.02 min

Lab File: VF062337.D

Acq: 30 Apr 2019 17:51

Instrument :

MSVOA_F

ClientSampleId :

VF0430SBS01

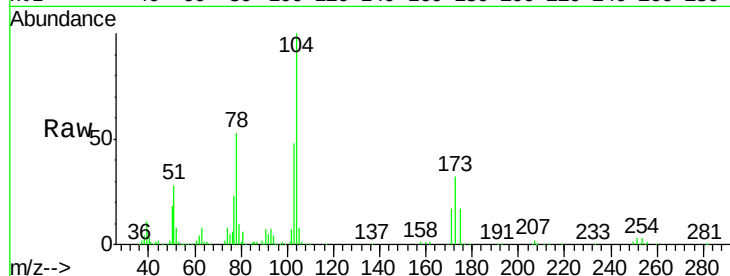
Tot Ion:173 Resp: 38983

Ion Ratio Lower Upper

173 100

175 47.1 25.3 75.9

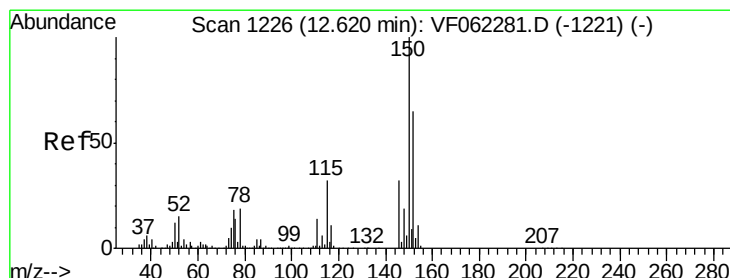
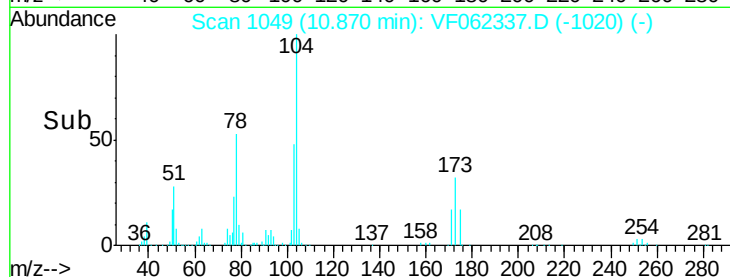
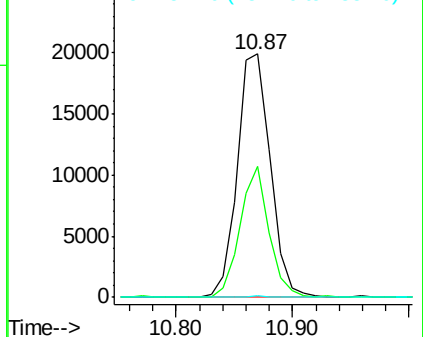
254 0.2 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.60 min Scan# 1225

Delta R.T. -0.02 min

Lab File: VF062337.D

Acq: 30 Apr 2019 17:51

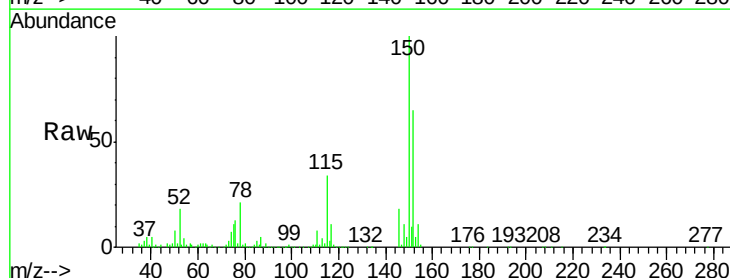
Tgt Ion:152 Resp: 234905

Ion Ratio Lower Upper

152 100

115 54.2 25.6 76.8

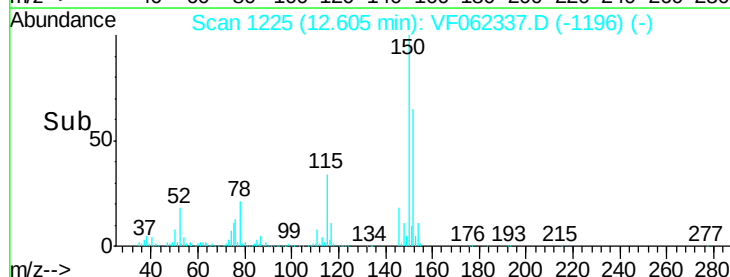
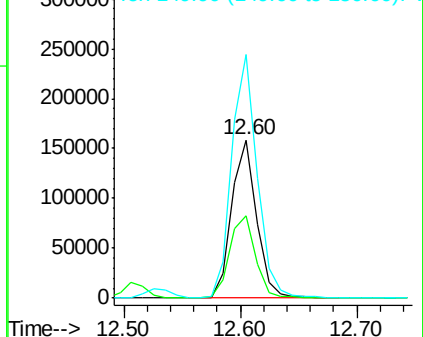
150 158.4 0.0 330.6

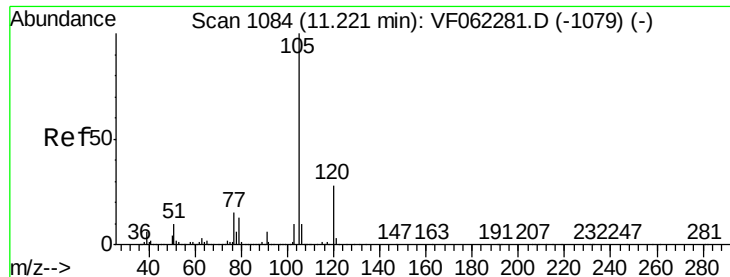


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.956 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.02 min

Lab File: VF062337.D

Acq: 30 Apr 2019 17:51

Instrument :

MSVOA_F

ClientSampleId :

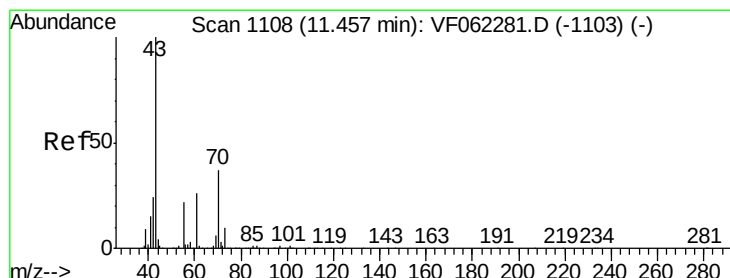
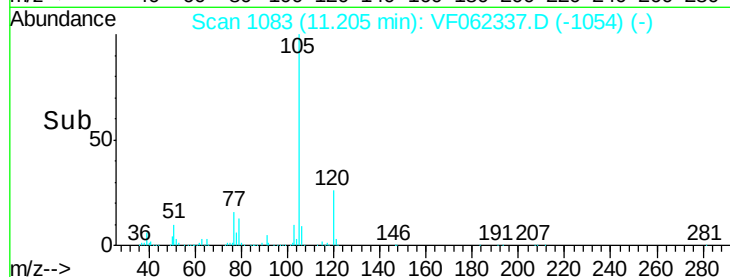
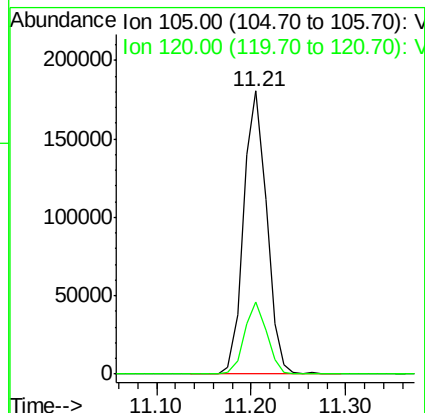
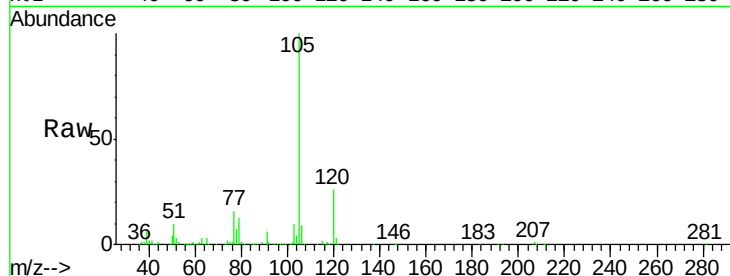
VF0430SBS01

Tot Ion:105 Resp: 305092

Ion Ratio Lower Upper

105 100

120 24.8 12.4 37.2



#74

N-ethyl acetate

Concen: 20.482 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VF062337.D

Acq: 30 Apr 2019 17:51

Tgt Ion: 43 Resp: 75955

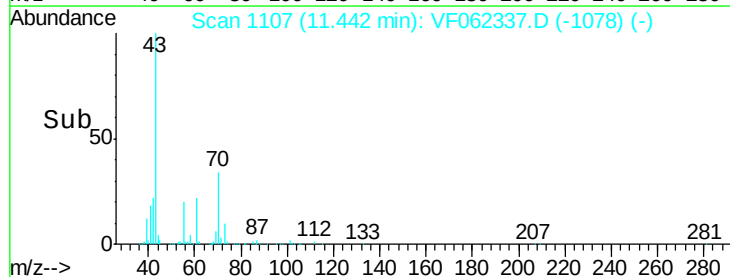
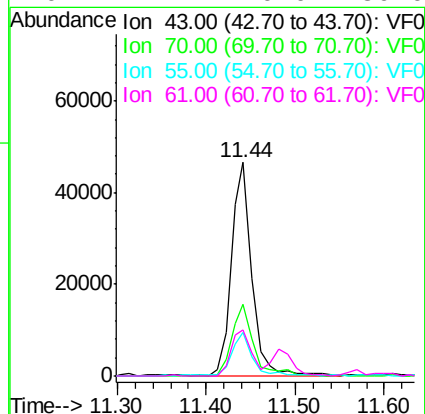
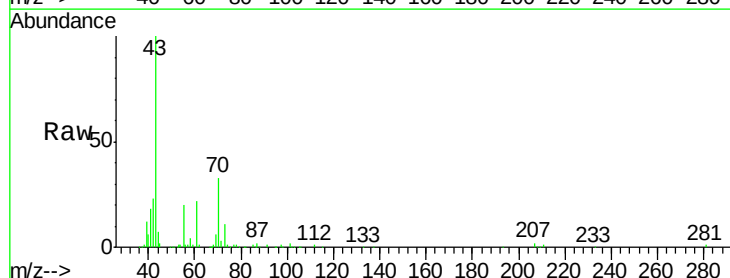
Ion Ratio Lower Upper

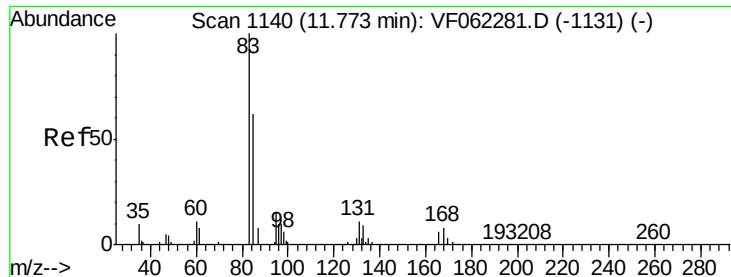
43 100

70 35.2 27.8 41.8

55 21.6 16.6 24.8

61 21.7 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 17.832 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.02 min

Lab File: VF062337.D

Acq: 30 Apr 2019 17:51

Instrument :

MSVOA_F

ClientSampleId :

VF0430SBS01

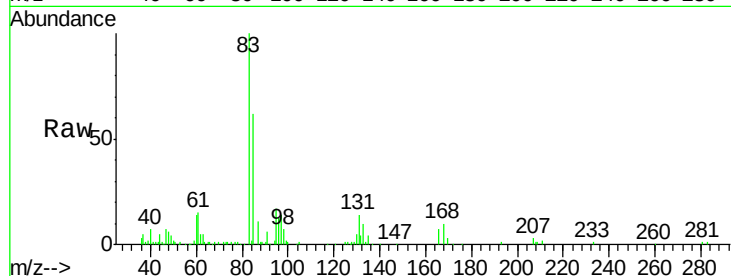
Tot Ion: 83 Resp: 45596

Ion Ratio Lower Upper

83 100

131 12.7 5.5 16.5

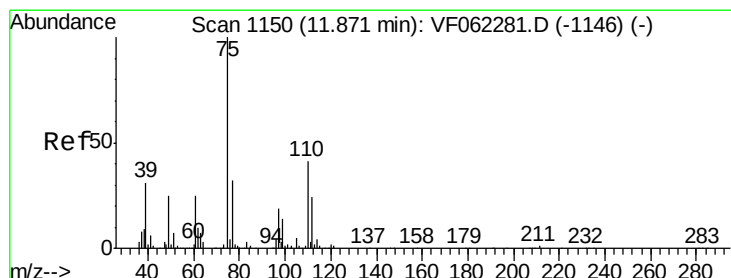
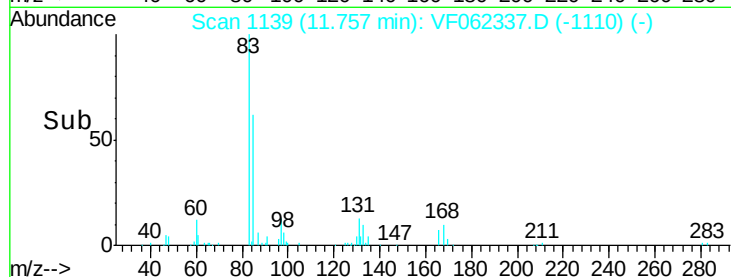
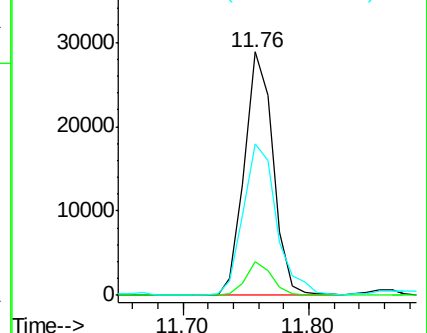
85 72.8 34.5 103.6



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): VF0

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 19.200 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. -0.02 min

Lab File: VF062337.D

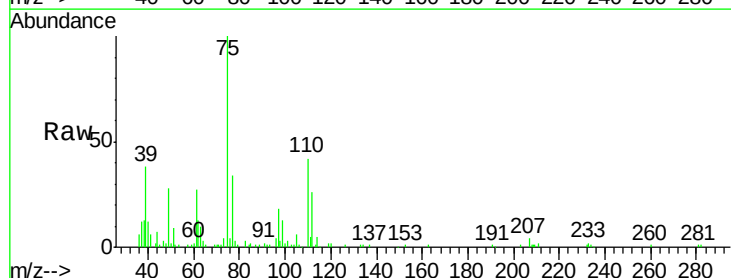
Acq: 30 Apr 2019 17:51

Tgt Ion: 75 Resp: 34833

Ion Ratio Lower Upper

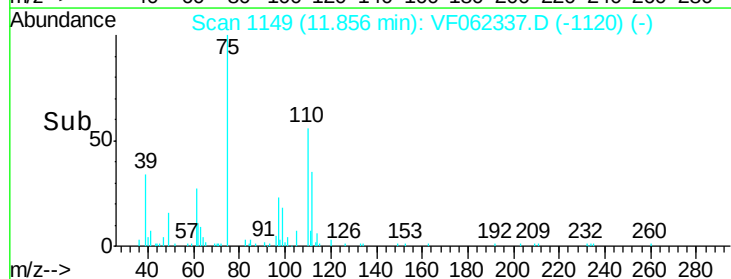
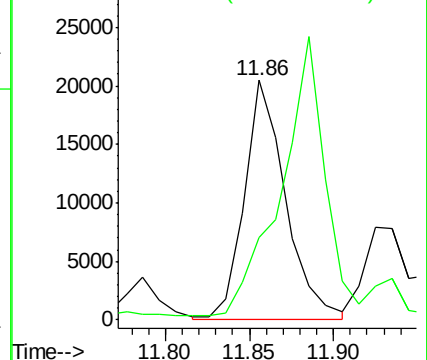
75 100

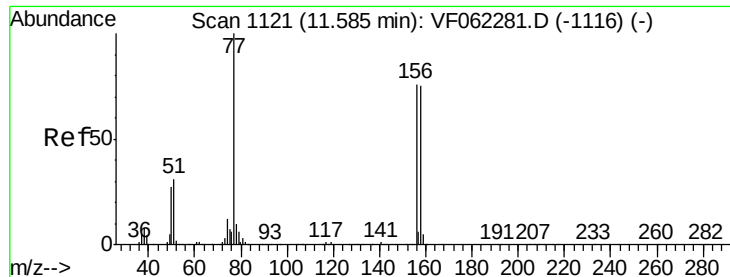
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 19.870 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VF062337.D

Acq: 30 Apr 2019 17:51

Instrument :

MSVOA_F

ClientSampleId :

VF0430SBS01

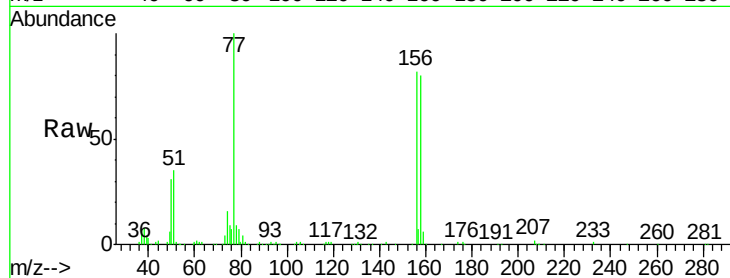
Tot Ion:156 Resp: 79946

Ion Ratio Lower Upper

156 100

77 126.8 67.3 201.9

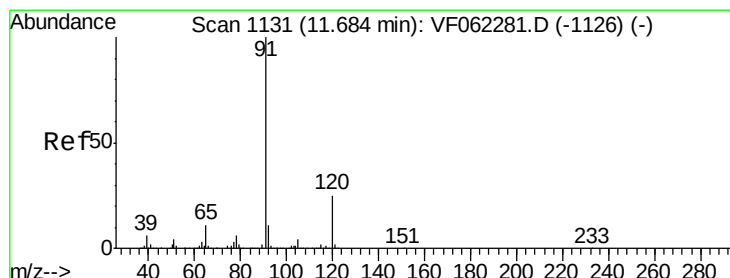
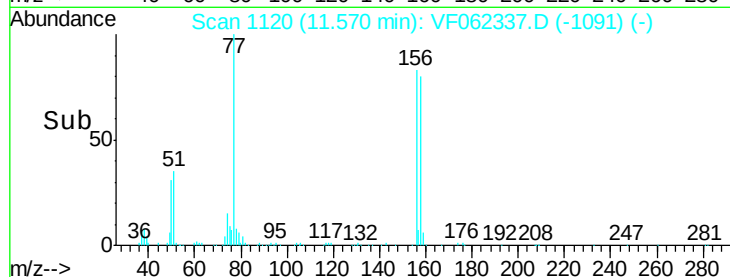
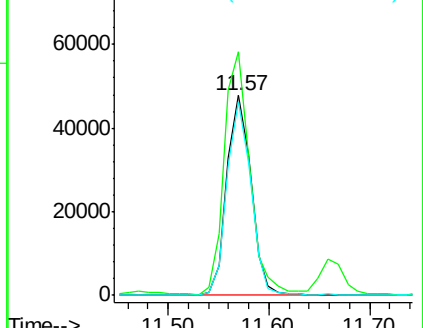
158 96.7 49.5 148.5



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.059 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. -0.03 min

Lab File: VF062337.D

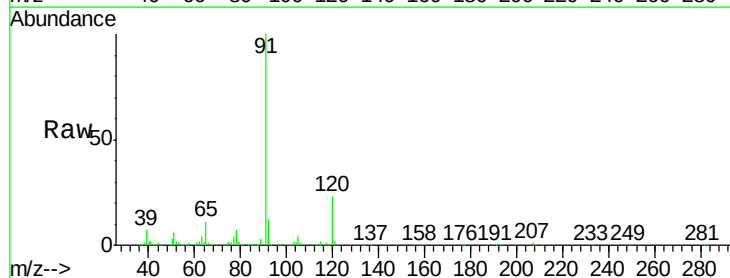
Acq: 30 Apr 2019 17:51

Tgt Ion: 91 Resp: 322756

Ion Ratio Lower Upper

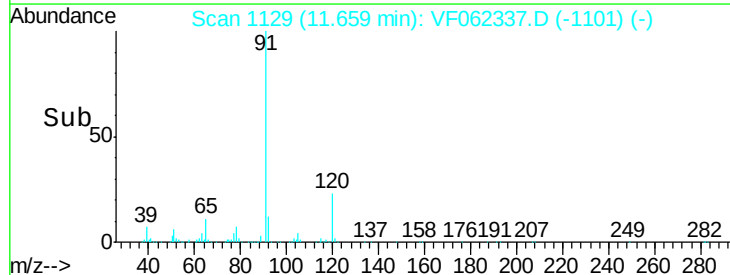
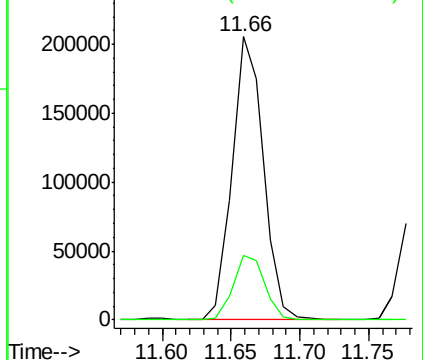
91 100

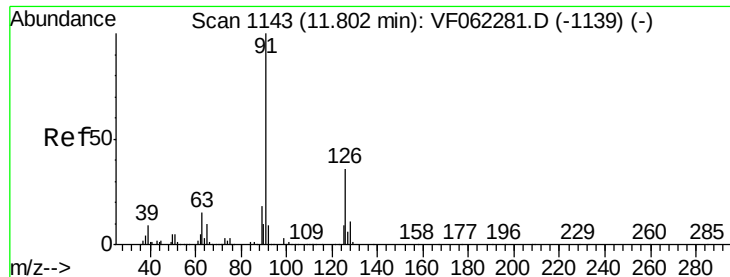
120 23.4 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.726 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.02 min

Lab File: VF062337.D

Acq: 30 Apr 2019 17:51

Instrument :

MSVOA_F

ClientSampleId :

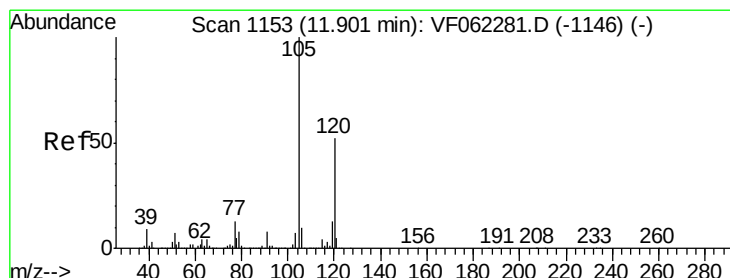
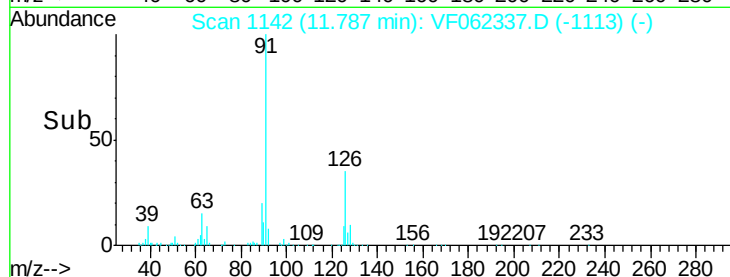
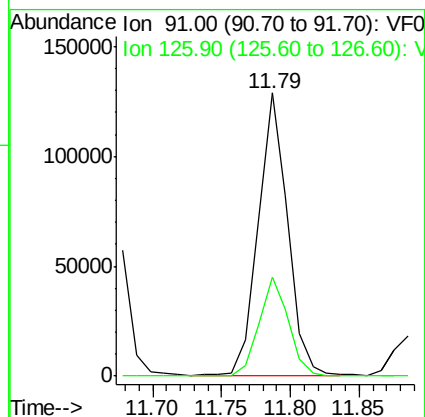
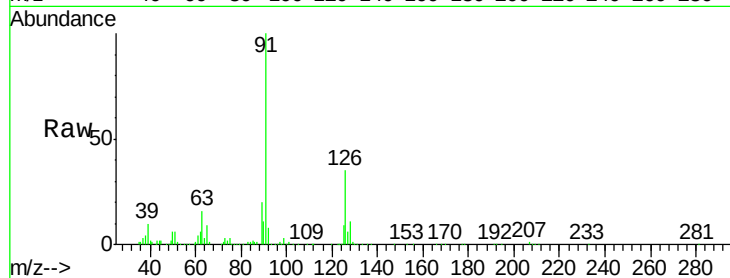
VF0430SBS01

Tot Ion: 91 Resp: 191021

Ion Ratio Lower Upper

91 100

126 35.2 17.9 53.8



#80

1,3,5-Trimethylbenzene

Concen: 19.036 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.02 min

Lab File: VF062337.D

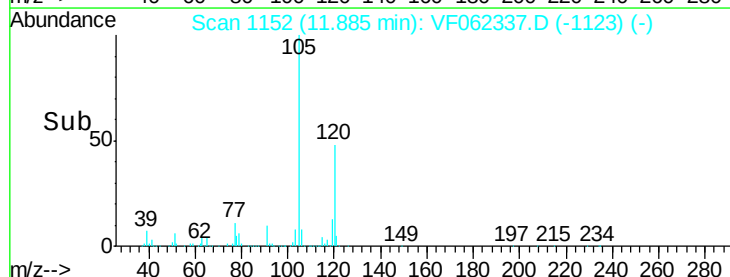
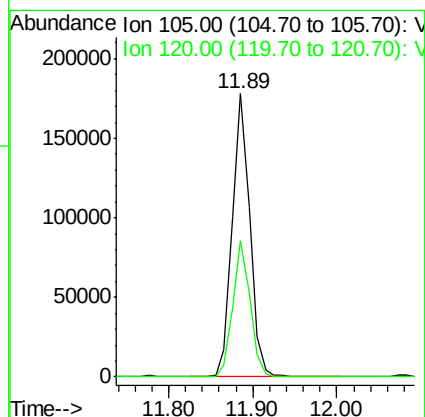
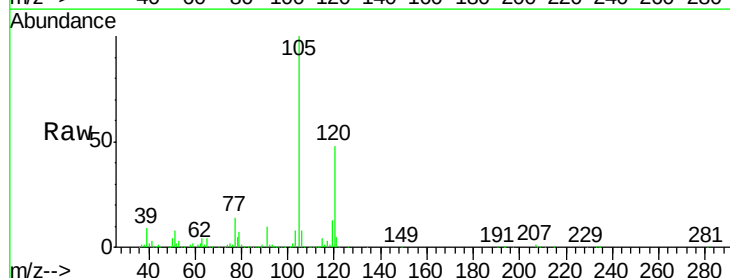
Acq: 30 Apr 2019 17:51

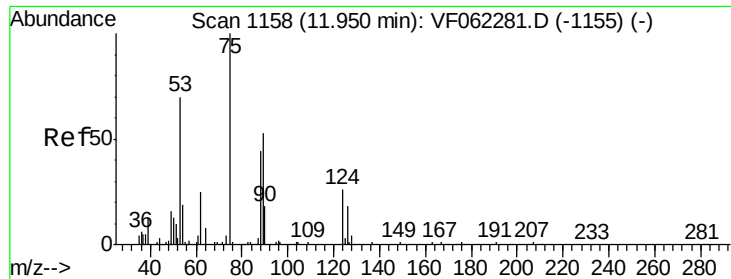
Tgt Ion:105 Resp: 258640

Ion Ratio Lower Upper

105 100

120 47.4 25.8 77.4





#81

trans-1,4-Dichloro-2-butene

Concen: 22.247 ug/l m

RT: 11.92 min Scan# 1156

Delta R.T. -0.03 min

Lab File: VF062337.D

Acq: 30 Apr 2019 17:51

Instrument :

MSVOA_F

ClientSampleId :

VF0430SBS01

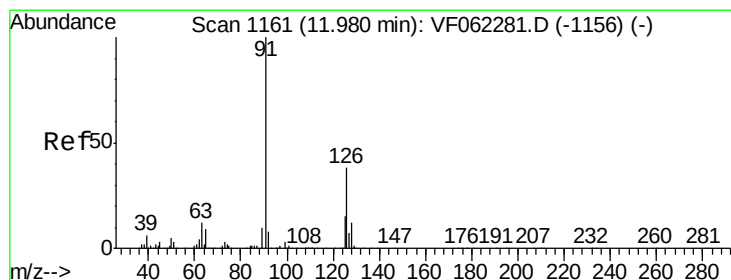
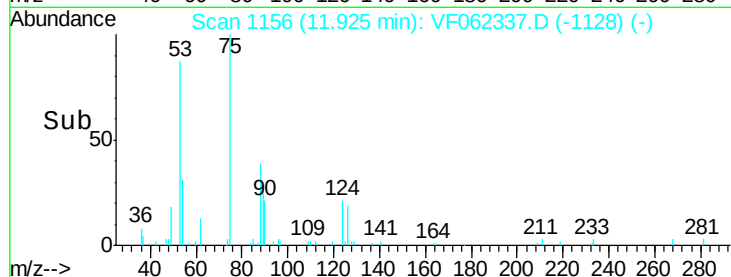
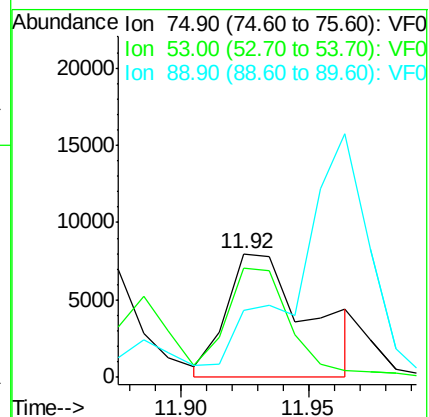
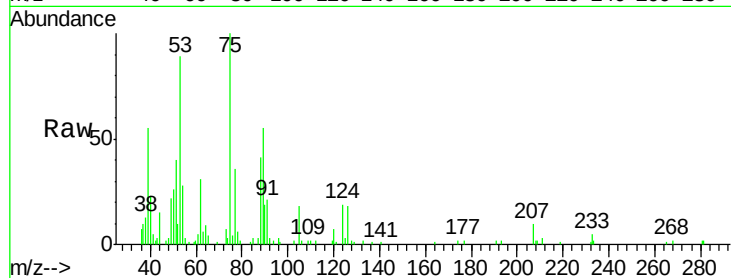
Tot Ion: 75 Resp: 18041

Ion Ratio Lower Upper

75 100

53 70.1 67.1 100.7

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 20.770 ug/l

RT: 11.96 min Scan# 1160

Delta R.T. -0.02 min

Lab File: VF062337.D

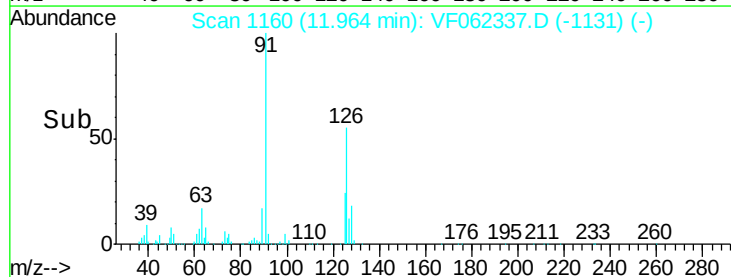
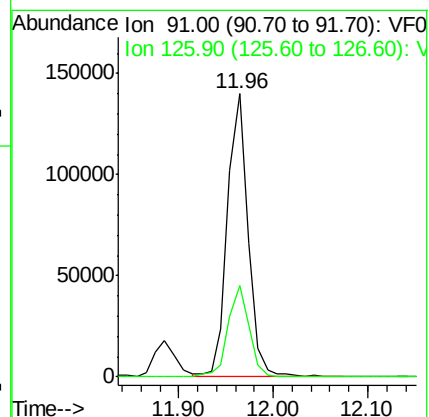
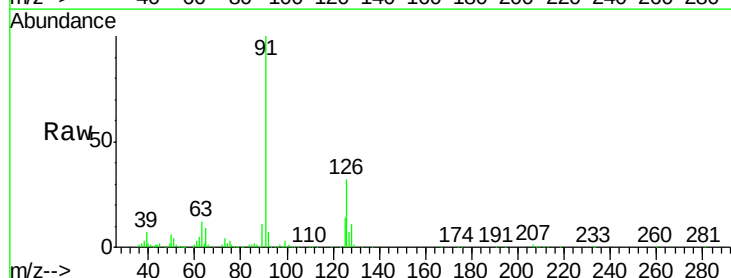
Acq: 30 Apr 2019 17:51

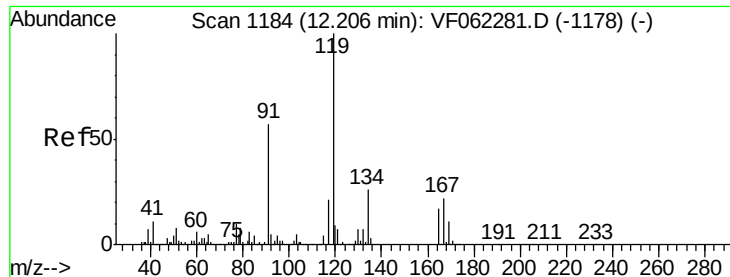
Tgt Ion: 91 Resp: 209642

Ion Ratio Lower Upper

91 100

126 33.5 17.3 52.0





#83

tert-Butylbenzene

Concen: 19.715 ug/l

RT: 12.19 min Scan# 1183

Delta R.T. -0.02 min

Lab File: VF062337.D

Acq: 30 Apr 2019 17:51

Instrument :

MSVOA_F

ClientSampleId :

VF0430SBS01

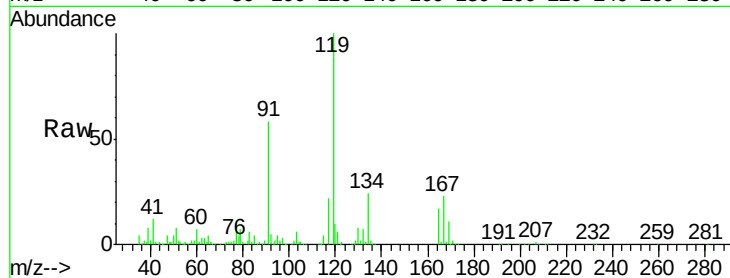
Tot Ion:119 Resp: 274904

Ion Ratio Lower Upper

119 100

91 60.6 29.4 88.2

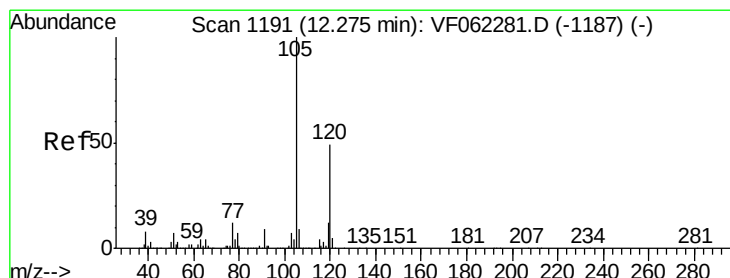
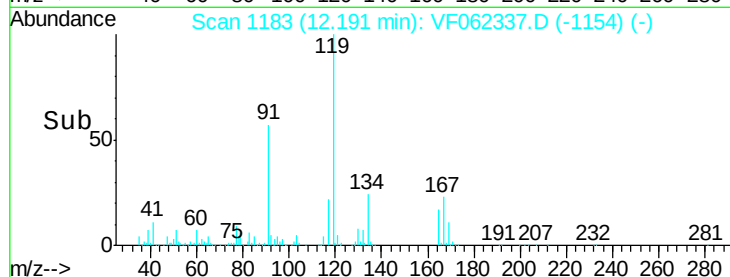
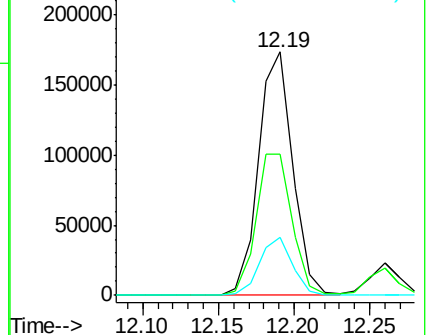
134 23.1 11.9 35.7



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: 18.995 ug/l

RT: 12.26 min Scan# 1190

Delta R.T. -0.02 min

Lab File: VF062337.D

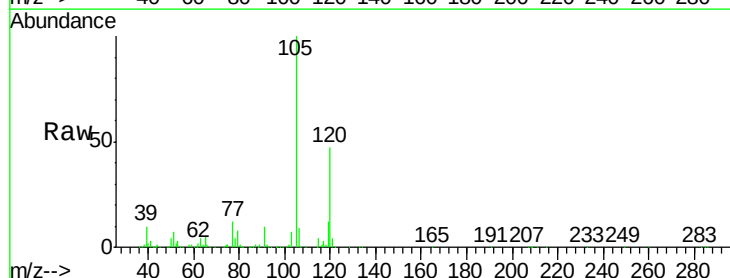
Acq: 30 Apr 2019 17:51

Tgt Ion:105 Resp: 249961

Ion Ratio Lower Upper

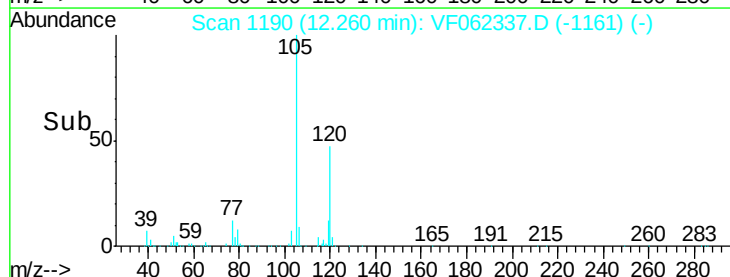
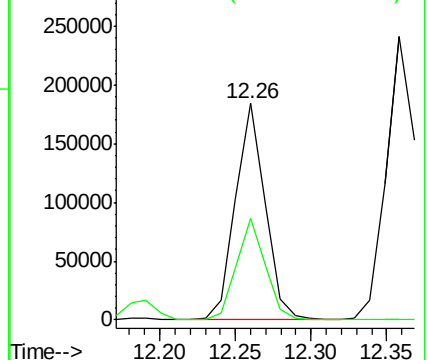
105 100

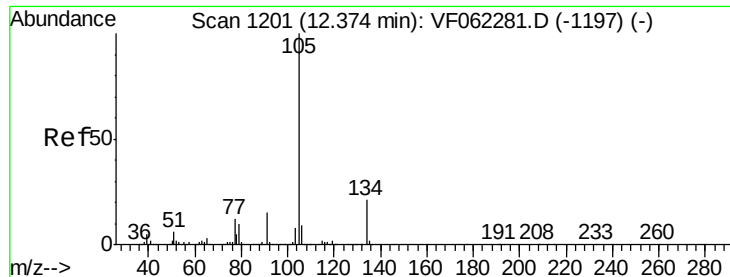
120 45.4 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

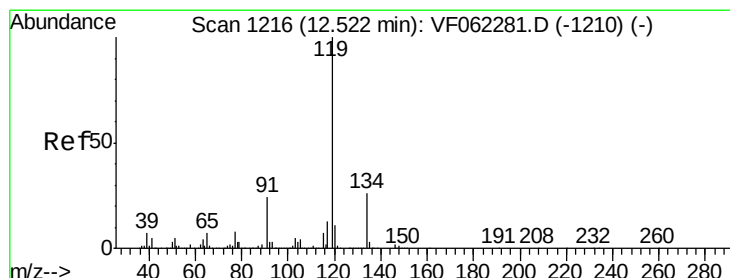
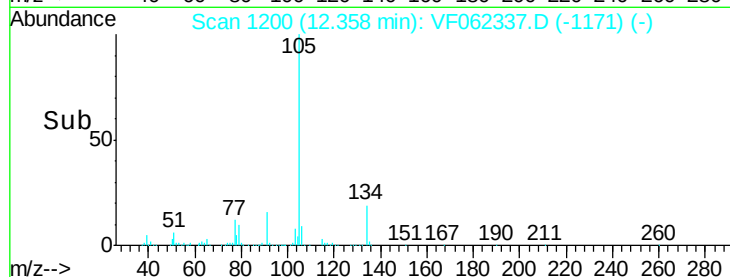
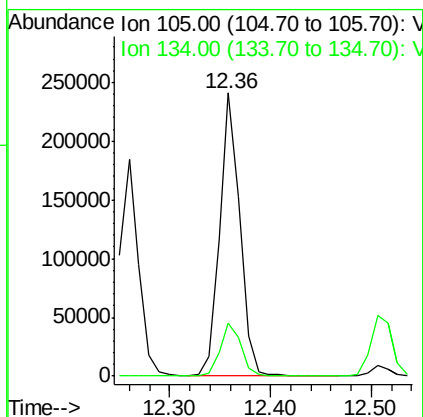
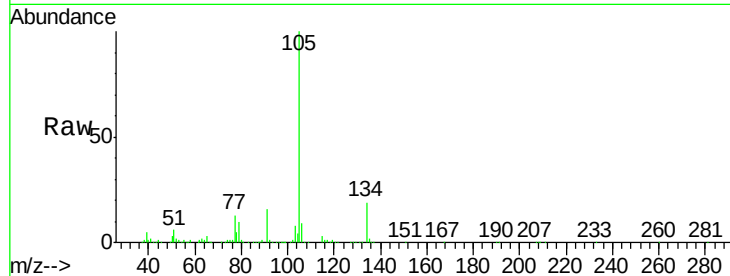




#85
 sec-Butylbenzene
 Concen: 19.377 ug/l
 RT: 12.36 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VF062337.D
 Acq: 30 Apr 2019 17:51

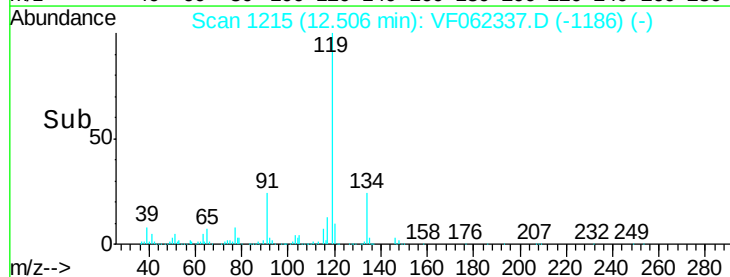
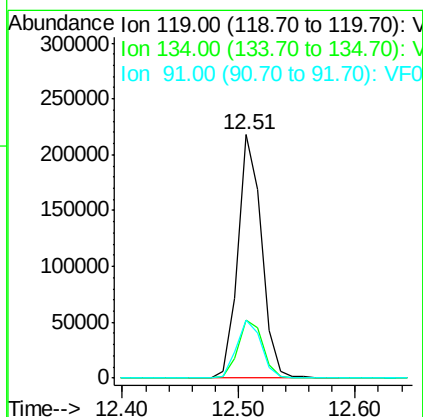
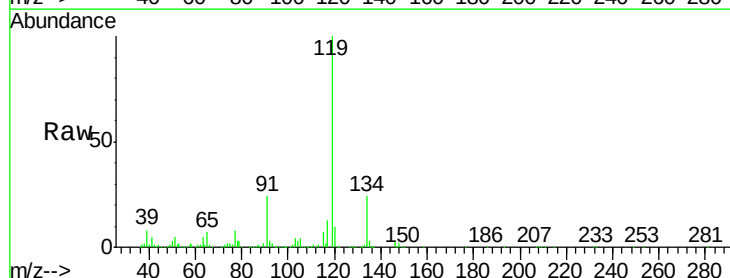
Instrument :
 MSVOA_F
 ClientSampleID :
 VF0430SBS01

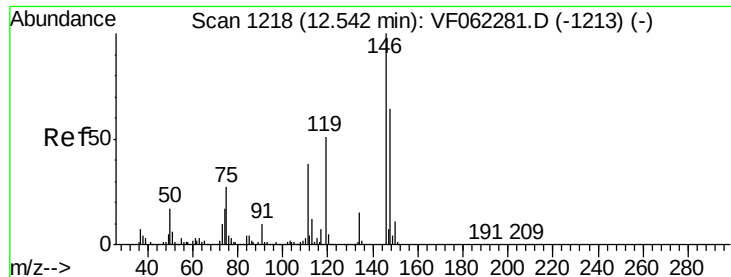
Tot Ion:105 Resp: 336527
 Ion Ratio Lower Upper
 105 100
 134 19.2 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 19.613 ug/l
 RT: 12.51 min Scan# 1215
 Delta R.T. -0.02 min
 Lab File: VF062337.D
 Acq: 30 Apr 2019 17:51

Tgt Ion:119 Resp: 305382
 Ion Ratio Lower Upper
 119 100
 134 25.2 13.2 39.5
 91 24.9 11.6 34.7

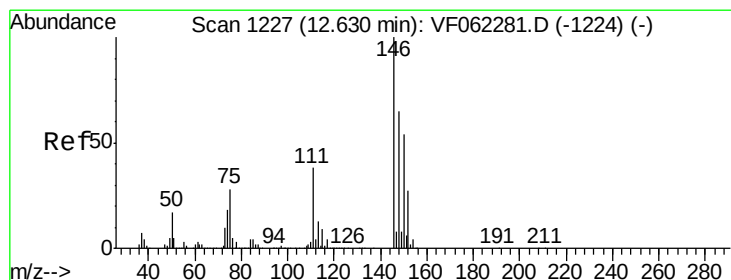
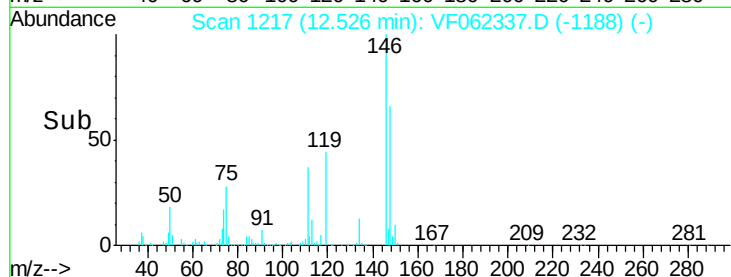
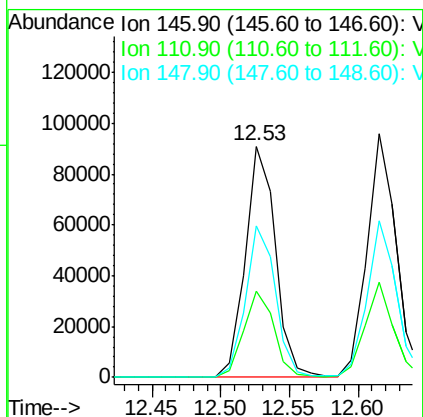
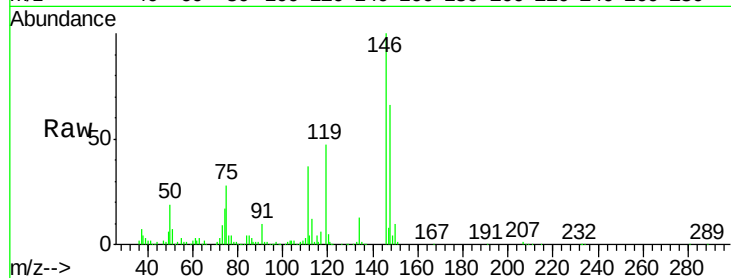




#87
 1,3-Dichlorobenzene
 Concen: 19.642 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.02 min
 Lab File: VF062337.D
 Acq: 30 Apr 2019 17:51

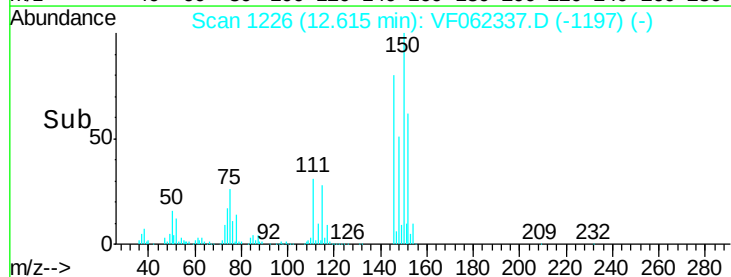
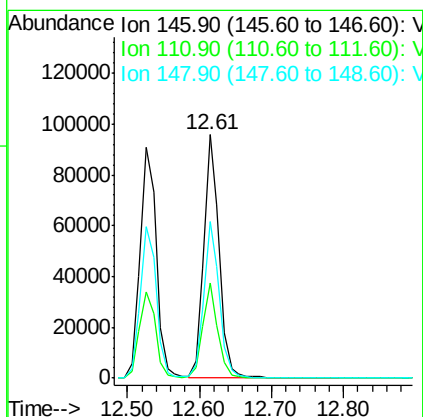
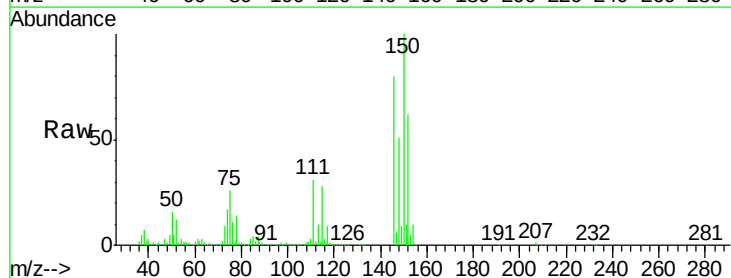
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0430SBS01

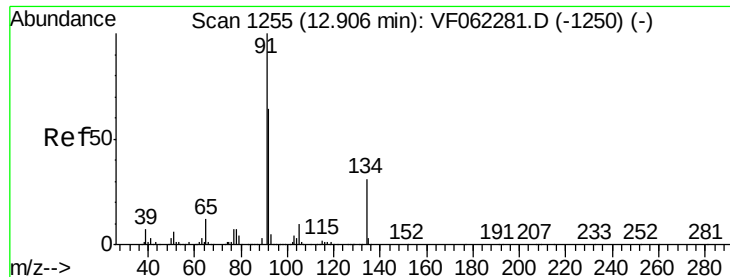
Tot Ion:146 Resp: 139818
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.6 55.8
 148 65.3 32.8 98.4



#88
 1,4-Dichlorobenzene
 Concen: 21.136 ug/l
 RT: 12.61 min Scan# 1226
 Delta R.T. -0.02 min
 Lab File: VF062337.D
 Acq: 30 Apr 2019 17:51

Tgt Ion:146 Resp: 142649
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.6 56.0
 148 63.9 32.5 97.5

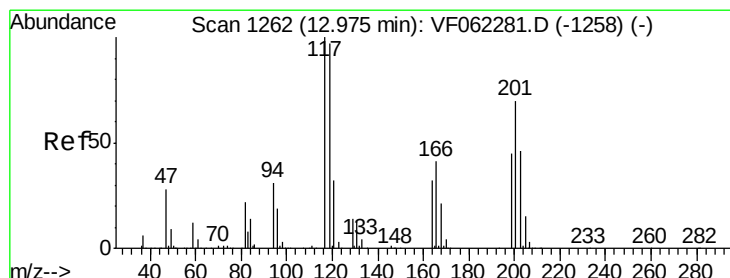
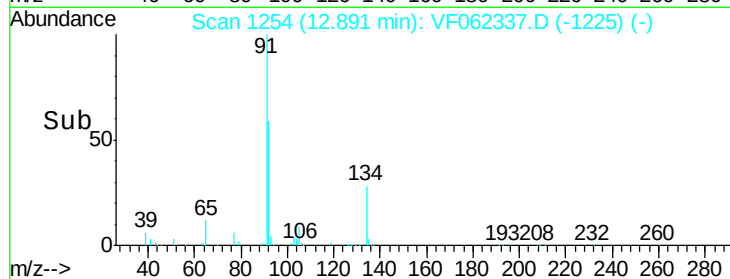
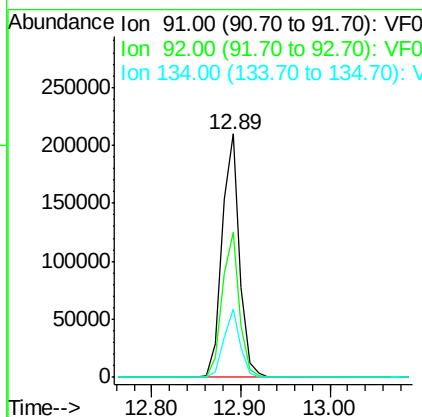
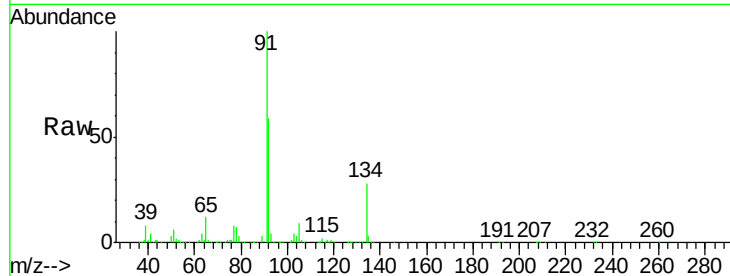




#89
n-Butylbenzene
Concen: 20.573 ug/l
RT: 12.89 min Scan# 1254
Delta R.T. -0.02 min
Lab File: VF062337.D
Acq: 30 Apr 2019 17:51

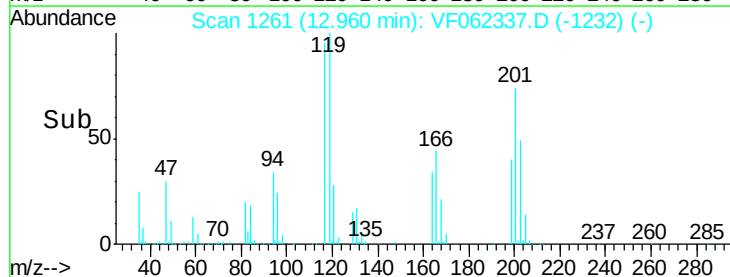
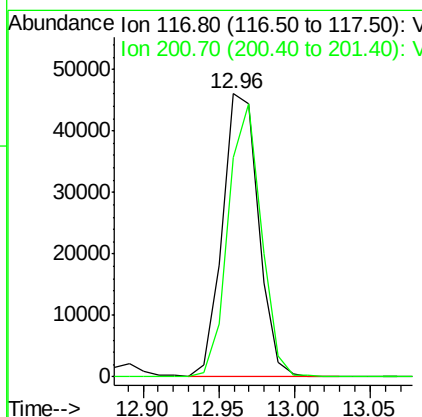
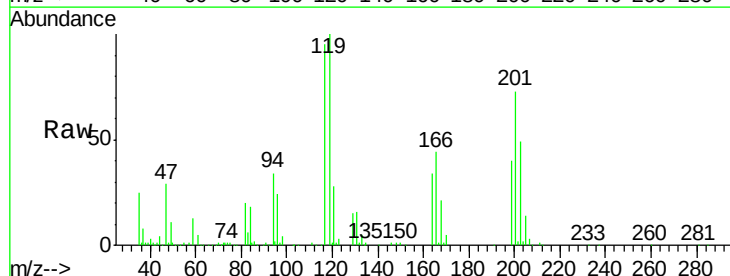
Instrument :
MSVOA_F
ClientSampleId :
VF0430SBS01

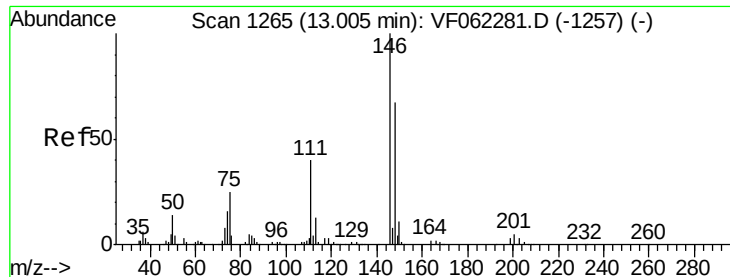
Tot Ion: 91 Resp: 291060
Ion Ratio Lower Upper
91 100
92 58.2 31.1 93.3
134 26.3 14.4 43.4



#90
Hexachloroethane
Concen: 19.553 ug/l
RT: 12.96 min Scan# 1261
Delta R.T. -0.02 min
Lab File: VF062337.D
Acq: 30 Apr 2019 17:51

Tgt Ion: 117 Resp: 76316
Ion Ratio Lower Upper
117 100
201 88.1 42.9 128.5

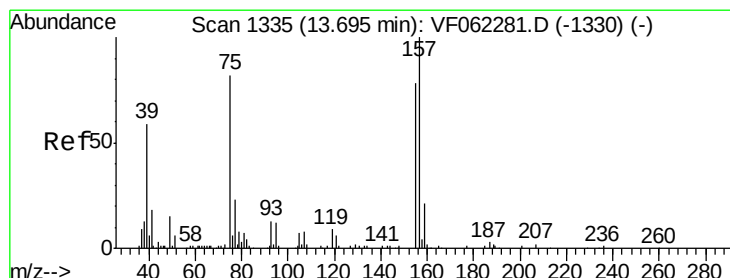
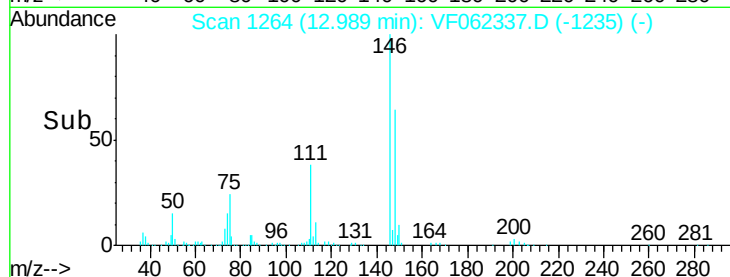
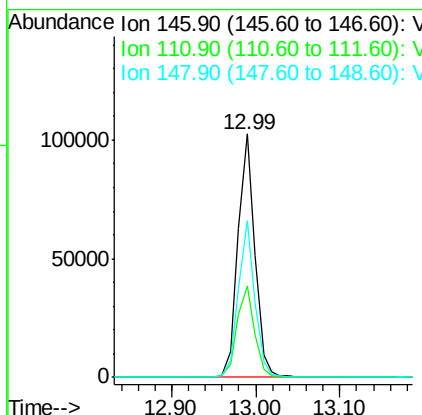
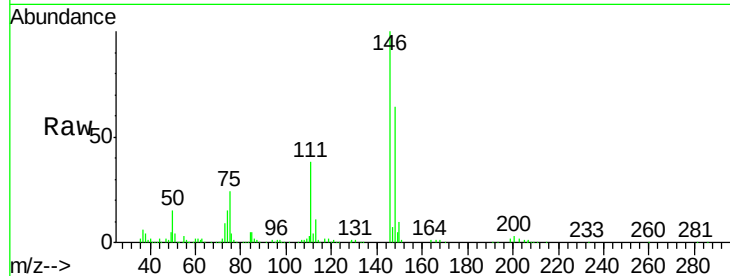




#91
 1,2-Dichlorobenzene
 Concen: 21.013 ug/l
 RT: 12.99 min Scan# 1264
 Delta R.T. -0.02 min
 Lab File: VF062337.D
 Acq: 30 Apr 2019 17:51

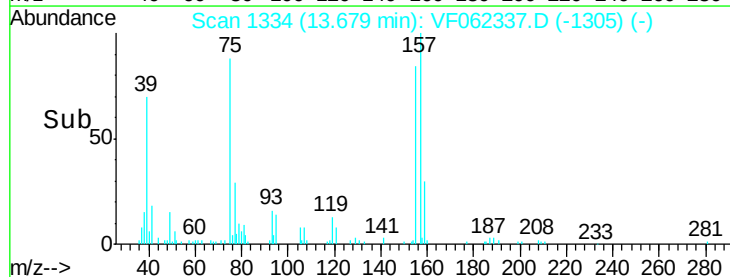
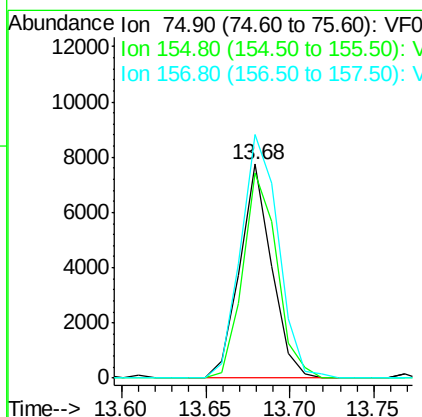
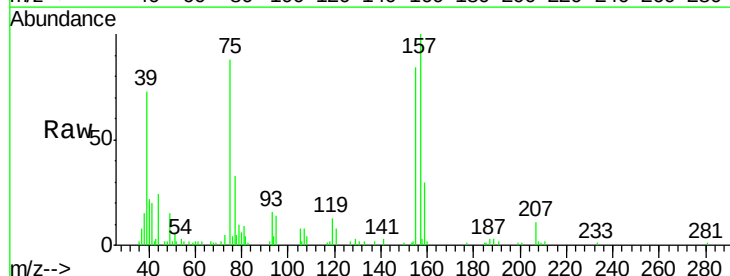
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0430SBS01

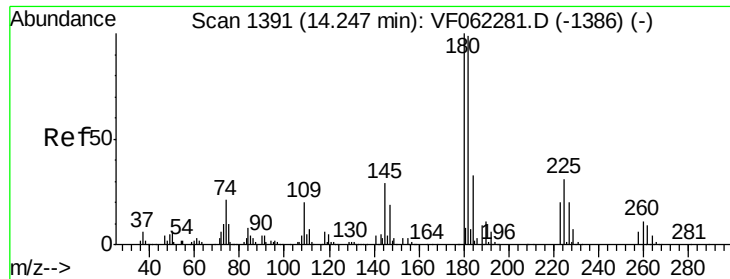
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	20.0	59.9
148	62.8	33.1	99.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.750 ug/l
 RT: 13.68 min Scan# 1334
 Delta R.T. -0.02 min
 Lab File: VF062337.D
 Acq: 30 Apr 2019 17:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.4	51.7	155.2
157	134.2	64.5	193.5

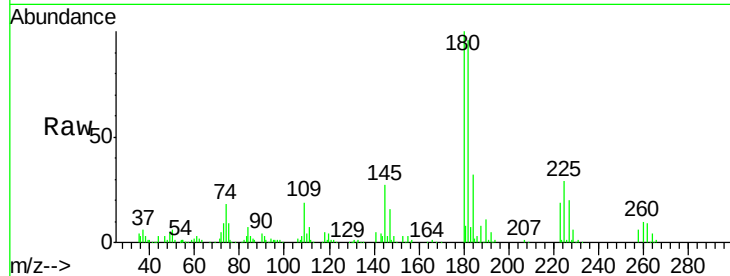




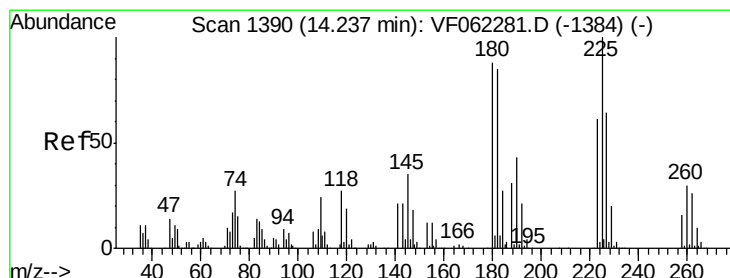
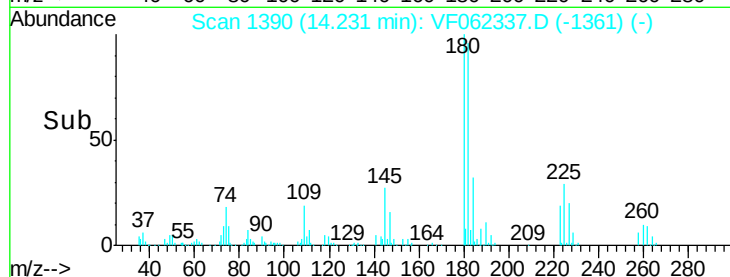
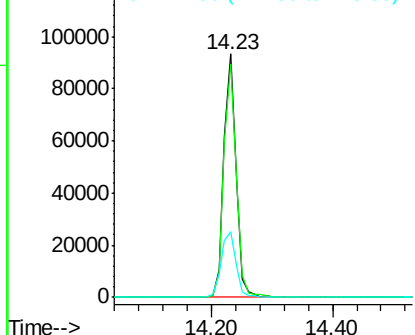
#93
 1,2,4-Trichlorobenzene
 Concen: 21.760 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.02 min
 Lab File: VF062337.D
 Acq: 30 Apr 2019 17:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0430SBS01

Tot Ion:180 Resp: 130620
 Ion Ratio Lower Upper
 180 100
 182 97.3 48.5 145.6
 145 32.6 16.7 50.1

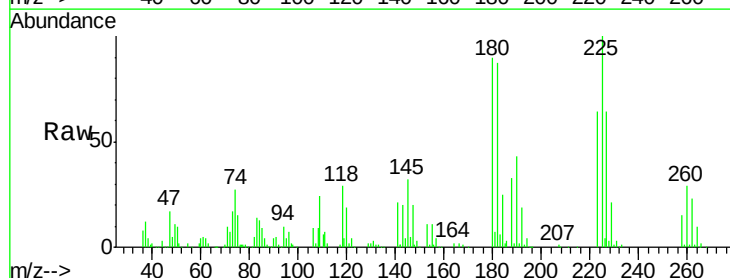


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

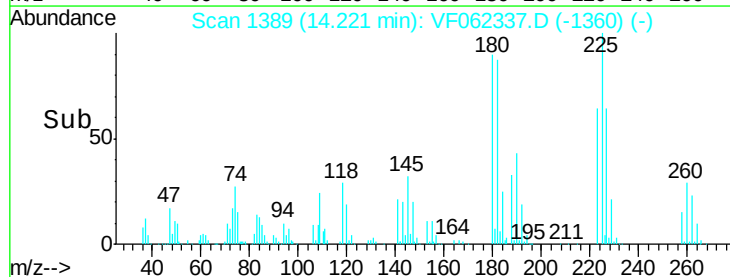
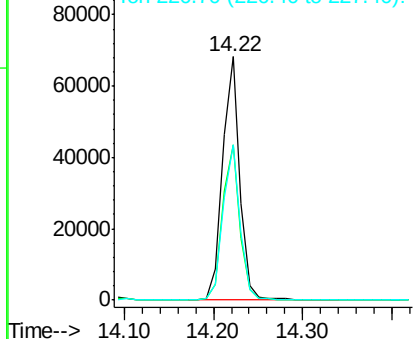


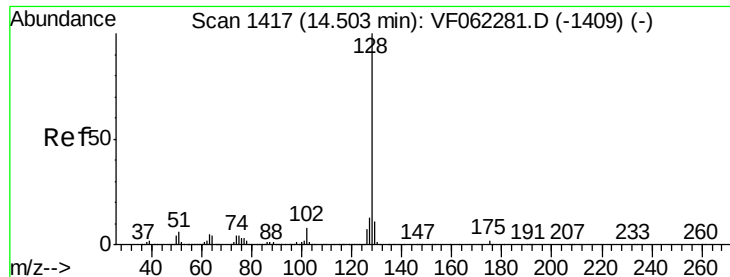
#94
 Hexachlorobutadiene
 Concen: 21.512 ug/l
 RT: 14.22 min Scan# 1389
 Delta R.T. -0.02 min
 Lab File: VF062337.D
 Acq: 30 Apr 2019 17:51

Tgt Ion:225 Resp: 92868
 Ion Ratio Lower Upper
 225 100
 223 63.9 30.8 92.3
 227 64.1 31.9 95.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

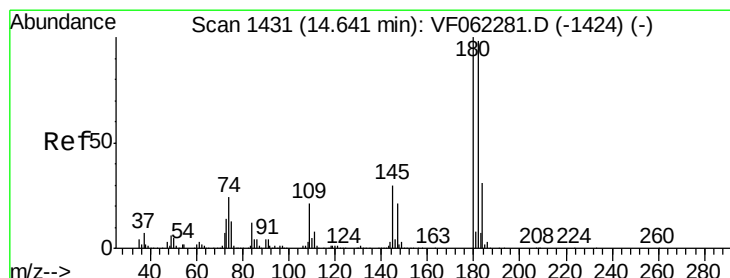
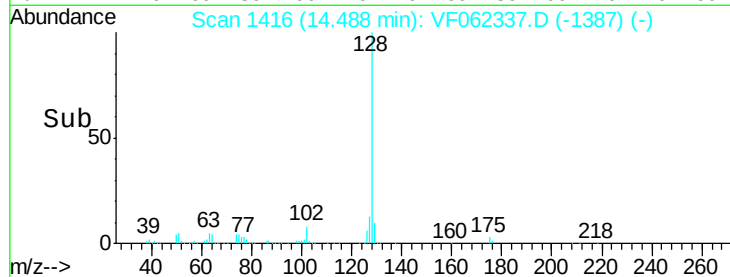
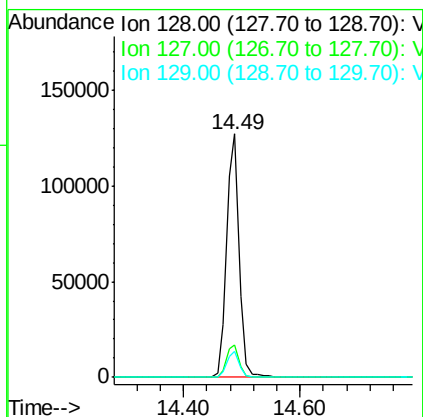
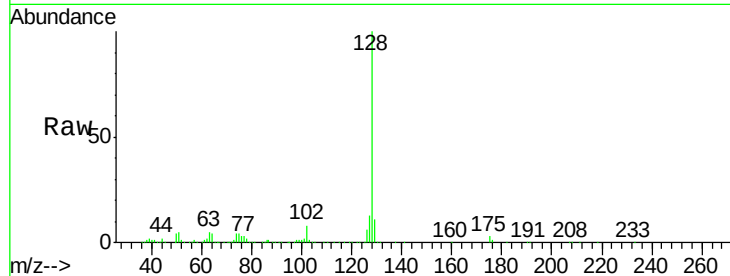




#95
Naphthalene
Concen: 20.342 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. -0.02 min
Lab File: VF062337.D
Acq: 30 Apr 2019 17:51

Instrument :
MSVOA_F
ClientSampleId :
VF0430SBS01

Tot Ion:128 Resp: 189170
Ion Ratio Lower Upper
128 100
127 13.5 10.2 15.4
129 10.6 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 21.495 ug/l
RT: 14.63 min Scan# 1430
Delta R.T. -0.02 min
Lab File: VF062337.D
Acq: 30 Apr 2019 17:51

Tgt Ion:180 Resp: 122031
Ion Ratio Lower Upper
180 100
182 95.4 49.0 147.2
145 29.3 14.5 43.5

