

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121918\
 Data File : VF061075.D
 Acq On : 18 Dec 2018 22:15
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00G/5mL/MSVOA-F/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF121918

Quant Time: Dec 19 06:35:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 06:31:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	214947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	361608	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	345902	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	172092	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	129233	46.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.50%	
35) Dibromofluoromethane	4.11	113	138827	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
50) Toluene-d8	7.55	98	410426	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
62) 4-Bromofluorobenzene	11.41	95	177891	47.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	228478	47.817	ug/l	100
3) Chloromethane	1.11	50	145015	52.983	ug/l	100
4) Vinyl Chloride	1.14	62	130585	51.432	ug/l	91
5) Bromomethane	1.34	94	89637	50.900	ug/l	93
6) Chloroethane	1.39	64	59704	51.033	ug/l #	85
7) Trichlorofluoromethane	1.49	101	170408	35.151	ug/l	100
8) Diethyl Ether	1.63	74	32992	49.697	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.83	101	123663	49.198	ug/l	92
10) Methyl Iodide	1.91	142	169688	42.827	ug/l	95
11) Tert butyl alcohol	2.58	59	26637	238.763	ug/l	97
12) 1,1-Dichloroethene	1.79	96	97398	51.404	ug/l	98
13) Acrolein	2.01	56	19497	252.271	ug/l #	72
14) Allyl chloride	2.10	41	102346	51.905	ug/l	94
15) Acrylonitrile	2.94	53	70725	274.153	ug/l	97
16) Acetone	2.24	43	122973	222.506	ug/l	94
17) Carbon Disulfide	1.85	76	218950	38.238	ug/l	96
18) Methyl Acetate	2.34	43	56457	49.375	ug/l	97
19) Methyl tert-butyl Ether	2.43	73	210543	50.061	ug/l	98
20) Methylene Chloride	2.18	84	25654	13.374	ug/l	98
21) trans-1,2-Dichloroethene	2.30	96	66562	32.845	ug/l	98
22) Diisopropyl ether	2.80	45	330418	50.307	ug/l	93
23) Vinyl Acetate	3.18	43	852428	281.328	ug/l	99
24) 1,1-Dichloroethane	2.87	63	200701	51.573	ug/l	99
25) 2-Butanone	4.34	43	215625	240.565	ug/l	97
26) 2,2-Dichloropropane	3.60	77	112156	50.220	ug/l	93
27) cis-1,2-Dichloroethene	3.48	96	157965	50.916	ug/l	96
28) Bromochloromethane	3.71	49	97506	49.381	ug/l	99
29) Tetrahydrofuran	4.07	42	86837	238.030	ug/l	97
30) Chloroform	3.86	83	280900	48.139	ug/l	98
31) Cyclohexane	3.68	56	124358	30.796	ug/l	95
32) 1,1,1-Trichloroethane	4.10	97	157571	45.053	ug/l	99
36) 1,1-Dichloropropene	4.28	75	223055	51.103	ug/l	98
37) Ethyl Acetate	4.11	43	86001	50.805	ug/l	92
38) Carbon Tetrachloride	3.99	117	169908	51.115	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	232373	59.342	ug/l	99
40) Benzene	4.63	78	484401	51.605	ug/l	97
41) Methacrylonitrile	4.75	41	46747	50.712	ug/l	96
42) 1,2-Dichloroethane	4.94	62	173418	48.633	ug/l	96
43) Isopropyl Acetate	6.96	43	110869	52.605	ug/l #	98
44) Trichloroethene	5.50	130	153616	51.908	ug/l	100
45) 1,2-Dichloropropane	6.23	63	127482	49.919	ug/l	94
46) Dibromomethane	6.08	93	85716	51.750	ug/l	96
47) Bromodichloromethane	6.38	83	219351	50.969	ug/l	96
48) Methyl methacrylate	6.71	41	77087	52.393	ug/l	95
49) 1,4-Dioxane	6.70	88	11754	1100.995	ug/l	94
51) 4-Methyl-2-Pentanone	8.25	43	368873	255.201	ug/l	99
52) Toluene	7.62	92	310463	49.966	ug/l	95
53) t-1,3-Dichloropropene	8.27	75	174904	50.379	ug/l	94
54) cis-1,3-Dichloropropene	7.29	75	216047	49.582	ug/l	97
55) 1,1,2-Trichloroethane	8.49	97	93097	49.980	ug/l	94
56) Ethyl methacrylate	8.62	69	103111	51.157	ug/l	97
57) 1,3-Dichloropropane	8.85	76	171914	51.029	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.29	63	96351	248.899	ug/l #	89
59) 2-Hexanone	9.48	43	253900	242.898	ug/l	97
60) Dibromochloromethane	8.72	129	138962	52.043	ug/l	100
61) 1,2-Dibromoethane	8.98	107	103111	51.831	ug/l	95
64) Tetrachloroethene	8.15	164	135051	50.754	ug/l	95
65) Chlorobenzene	9.80	112	351880	49.243	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.93	131	140118	47.982	ug/l	97
67) Ethyl Benzene	9.90	91	637768	48.990	ug/l	98
68) m/p-Xylenes	10.13	106	453822	99.056	ug/l	99
69) o-Xylene	10.71	106	245986	48.411	ug/l	95
70) Styrene	10.79	104	320252	51.910	ug/l	97
71) Bromoform	10.77	173	66279	49.058	ug/l #	93
73) Isopropylbenzene	11.12	105	693624	46.771	ug/l	99
74) N-amyl acetate	11.37	43	162433	49.334	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.69	83	118240	48.039	ug/l	97
76) 1,2,3-Trichloropropane	11.79	75	86698	47.332	ug/l	100
77) Bromobenzene	11.50	156	156888	49.144	ug/l	82
78) n-propylbenzene	11.60	91	813163	47.046	ug/l	97
79) 2-Chlorotoluene	11.71	91	482814	47.458	ug/l	98
80) 1,3,5-Trimethylbenzene	11.82	105	555040	45.452	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	52152	66.259	ug/l #	84
82) 4-Chlorotoluene	11.90	91	491027	46.657	ug/l	99
83) tert-Butylbenzene	12.13	119	584576	46.521	ug/l	98
84) 1,2,4-Trimethylbenzene	12.21	105	565429	46.433	ug/l	100
85) sec-Butylbenzene	12.31	105	767992	46.833	ug/l	99
86) p-Isopropyltoluene	12.45	119	659288	48.436	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	278224	53.813	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	276027	47.087	ug/l	98
89) n-Butylbenzene	12.84	91	638835	45.500	ug/l	98
90) Hexachloroethane	12.92	117	161234	47.944	ug/l	79
91) 1,2-Dichlorobenzene	12.94	146	265977	46.604	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.64	75	21152	46.832	ug/l	95

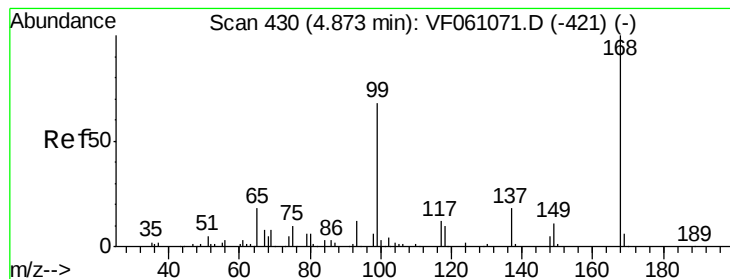
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	189420	46.799	ug/l	95
94) Hexachlorobutadiene	14.19	225	123956	48.084	ug/l	98
95) Naphthalene	14.46	128	369863	50.043	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	183744	49.107	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.00 min

Lab File: VF061075.D

Acq: 18 Dec 2018 22:15

Instrument :

MSVOA_F

ClientSampleId :

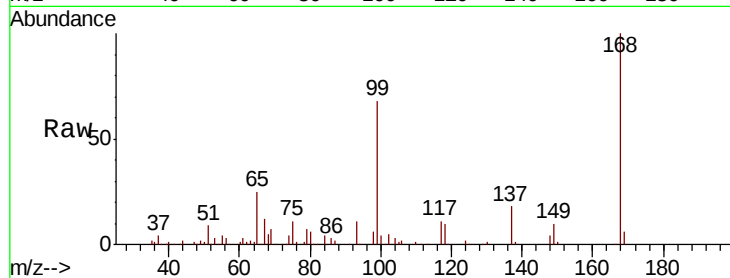
ICVVF121918

Tgt Ion:168 Resp: 214947

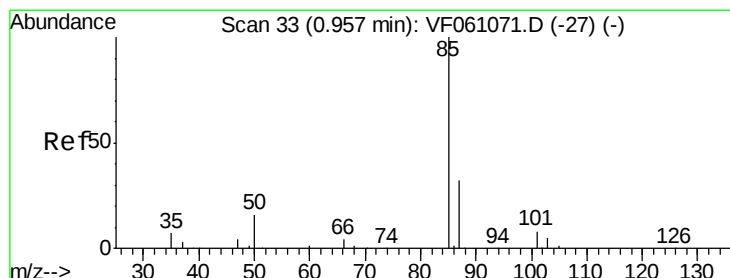
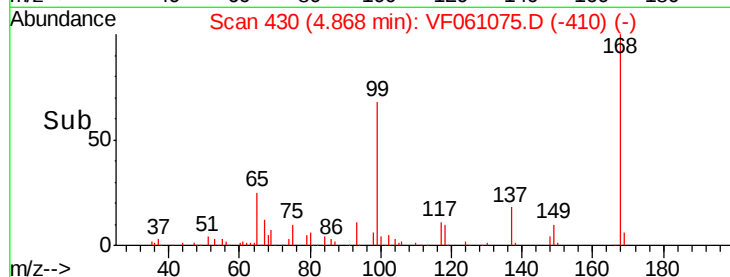
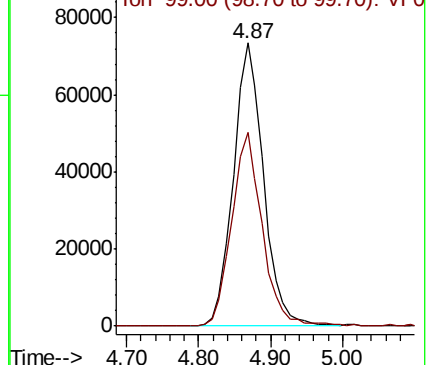
Ion Ratio Lower Upper

168 100

99 68.4 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 47.817 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF061075.D

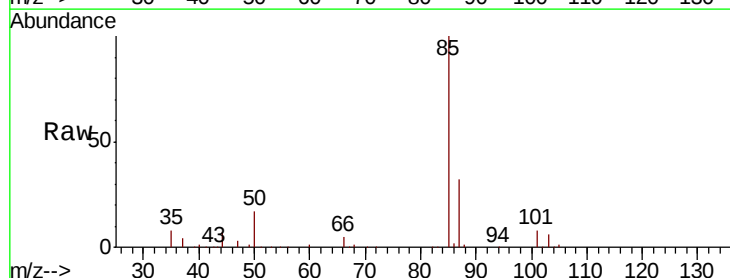
Acq: 18 Dec 2018 22:15

Tgt Ion: 85 Resp: 228478

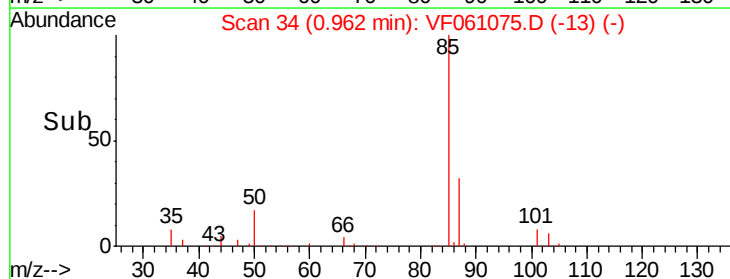
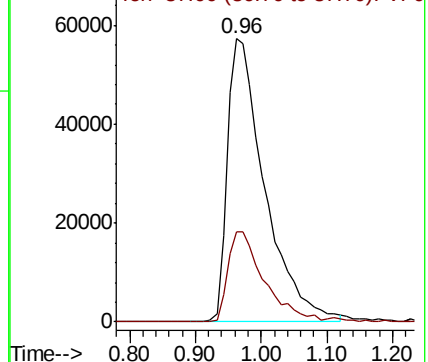
Ion Ratio Lower Upper

85 100

87 31.6 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 52.983 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF061075.D

Acq: 18 Dec 2018 22:15

Instrument :

MSVOA_F

ClientSampleId :

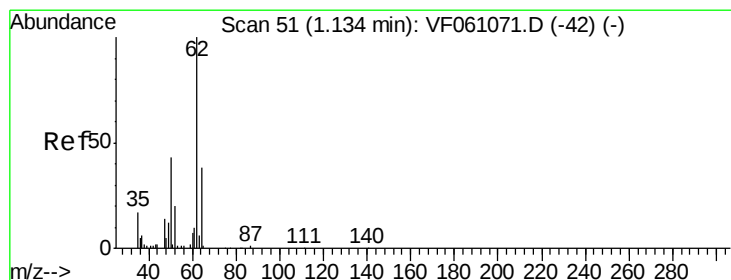
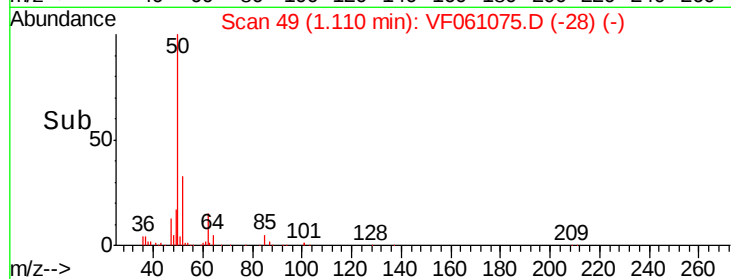
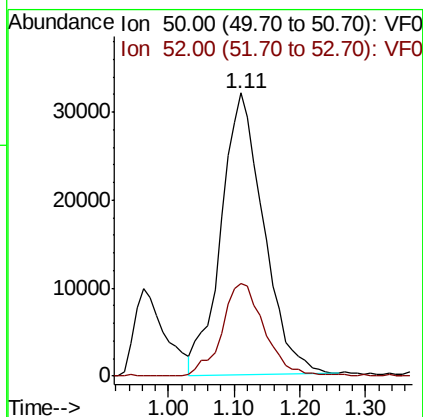
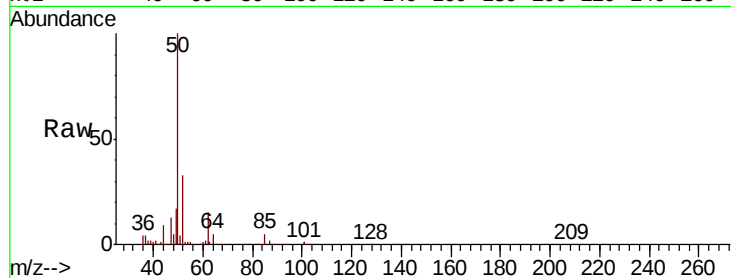
ICVVF121918

Tgt Ion: 50 Resp: 145015

Ion Ratio Lower Upper

50 100

52 32.8 26.3 39.5



#4

Vinyl Chloride

Concen: 51.432 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF061075.D

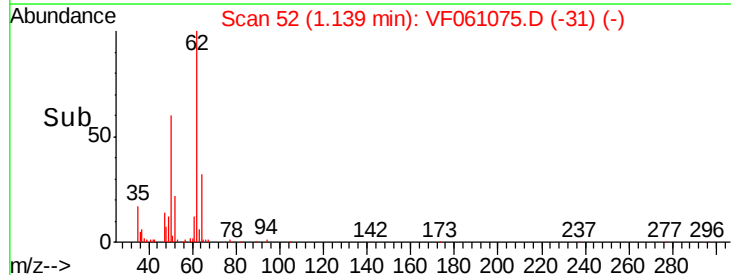
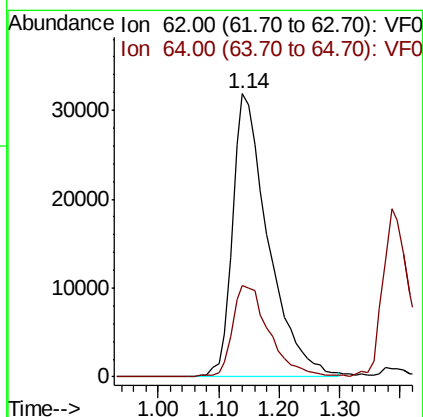
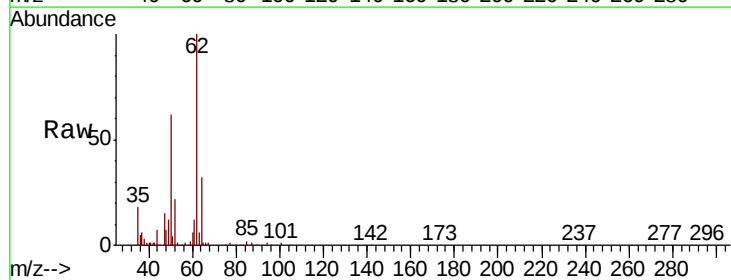
Acq: 18 Dec 2018 22:15

Tgt Ion: 62 Resp: 130585

Ion Ratio Lower Upper

62 100

64 32.4 30.4 45.6





#5

Bromomethane

Concen: 50.900 ug/l

RT: 1.34 min Scan# 72

Delta R.T. -0.00 min

Lab File: VF061075.D

Acq: 18 Dec 2018 22:15

Instrument :

MSVOA_F

ClientSampleId :

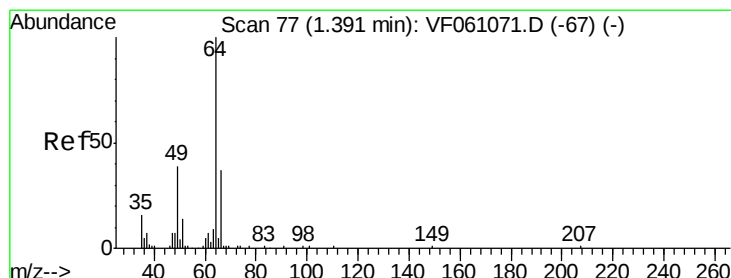
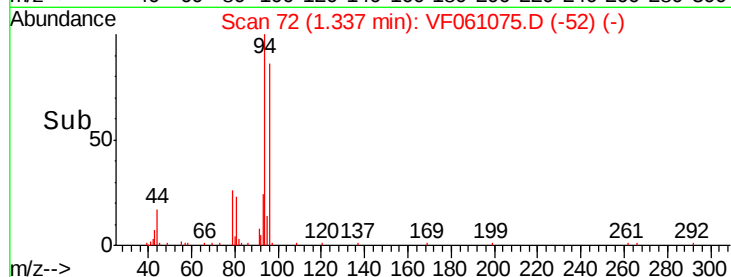
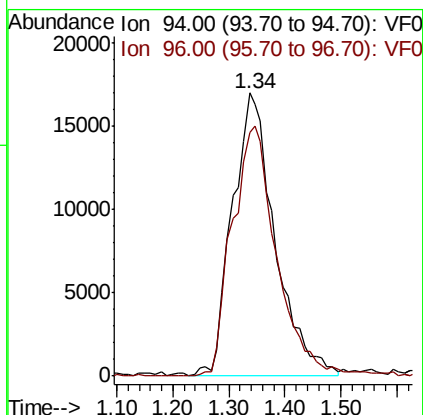
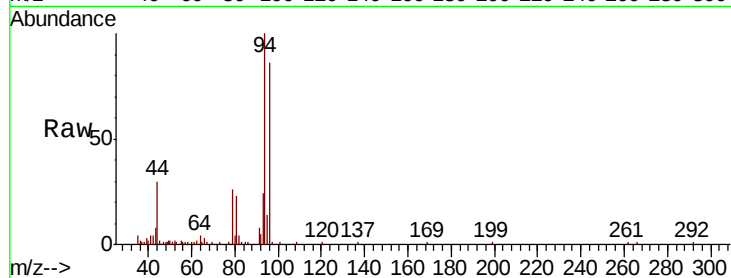
ICVVF121918

Tgt Ion: 94 Resp: 89637

Ion Ratio Lower Upper

94 100

96 86.1 74.4 111.6



#6

Chloroethane

Concen: 51.033 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF061075.D

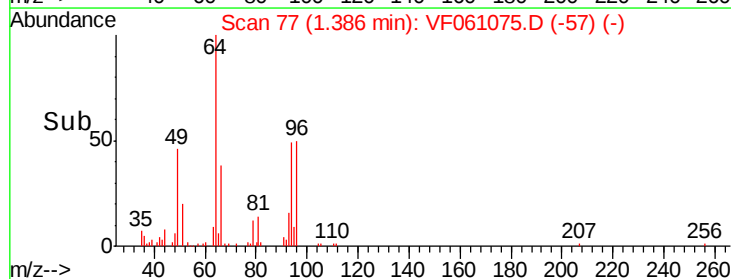
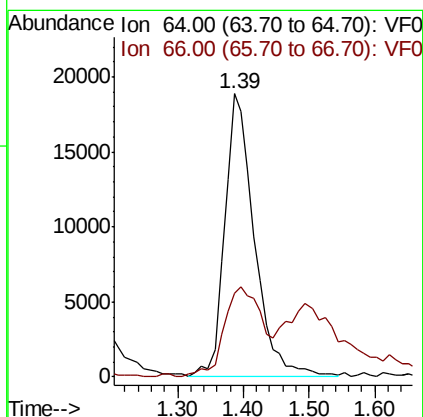
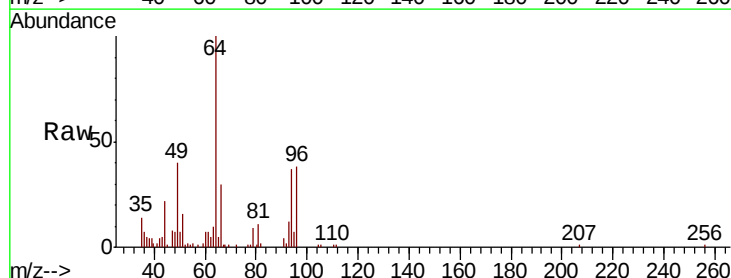
Acq: 18 Dec 2018 22:15

Tgt Ion: 64 Resp: 59704

Ion Ratio Lower Upper

64 100

66 29.7 30.9 46.3#



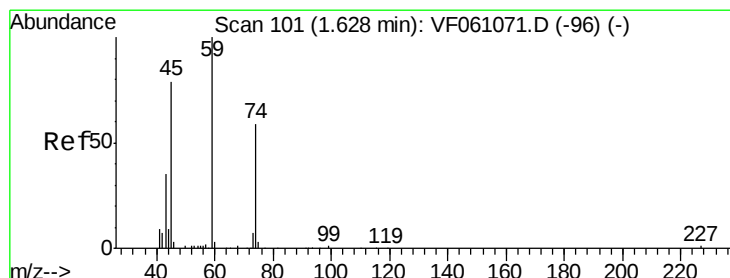
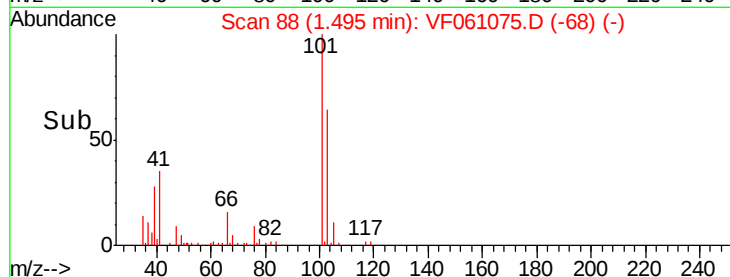
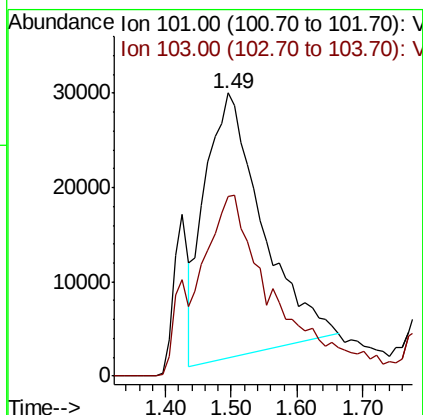
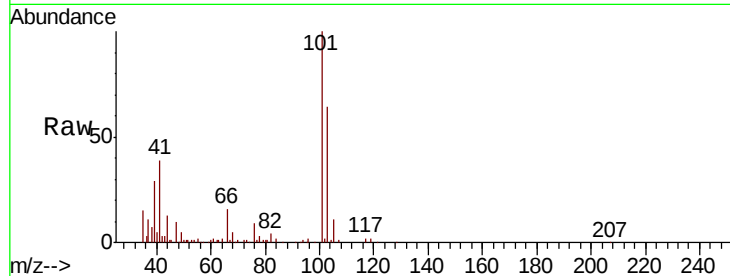


#7

Trichlorofluoromethane
 Concen: 35.151 ug/l
 RT: 1.49 min Scan# 88
 Delta R.T. -0.00 min
 Lab File: VF061075.D
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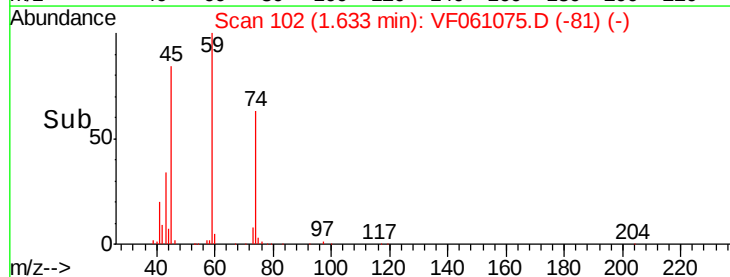
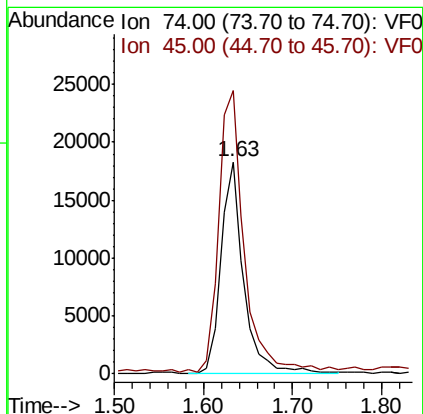
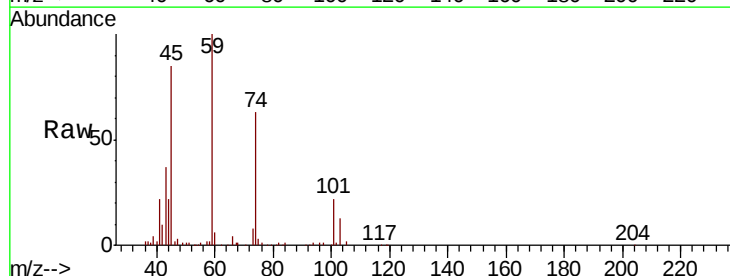
Tgt Ion:101 Resp: 170408
 Ion Ratio Lower Upper
 101 100
 103 63.6 50.7 76.1

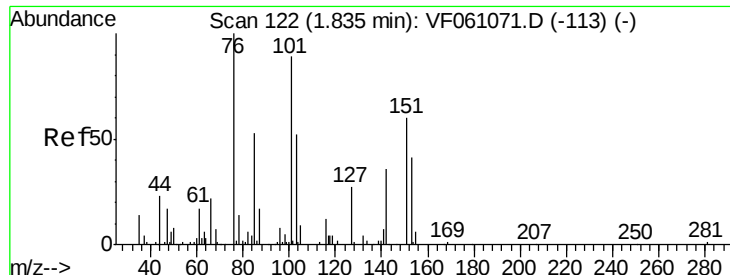


#8

Diethyl Ether
 Concen: 49.697 ug/l
 RT: 1.63 min Scan# 102
 Delta R.T. 0.01 min
 Lab File: VF061075.D
 Acq: 18 Dec 2018 22:15

Tgt Ion: 74 Resp: 32992
 Ion Ratio Lower Upper
 74 100
 45 133.4 67.8 203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.198 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.00 min

Lab File: VF061075.D

Acq: 18 Dec 2018 22:15

Instrument :

MSVOA_F

ClientSampleId :

ICVVF121918

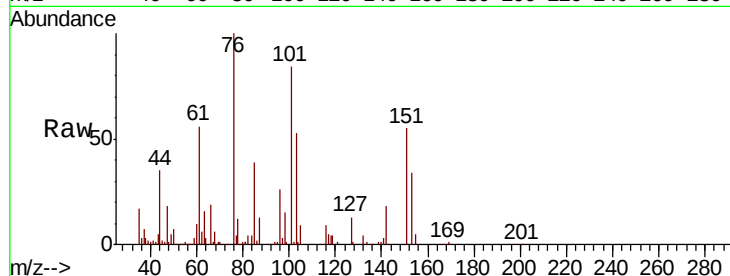
Tgt Ion:101 Resp: 123663

Ion Ratio Lower Upper

101 100

85 46.3 44.5 66.7

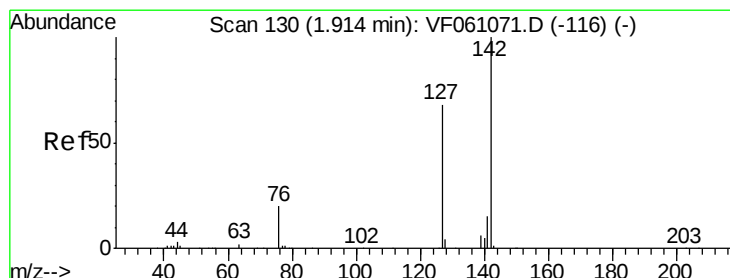
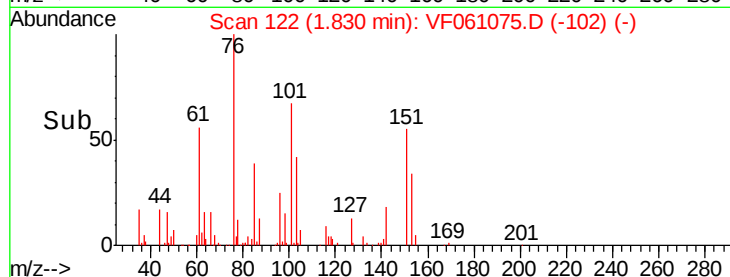
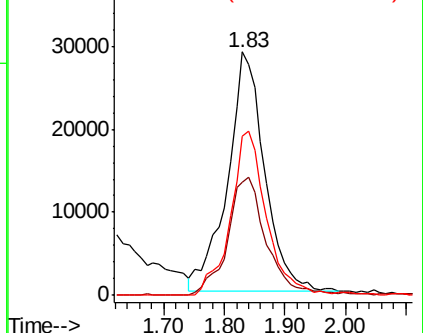
151 65.3 49.9 74.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 42.827 ug/l

RT: 1.91 min Scan# 130

Delta R.T. -0.00 min

Lab File: VF061075.D

Acq: 18 Dec 2018 22:15

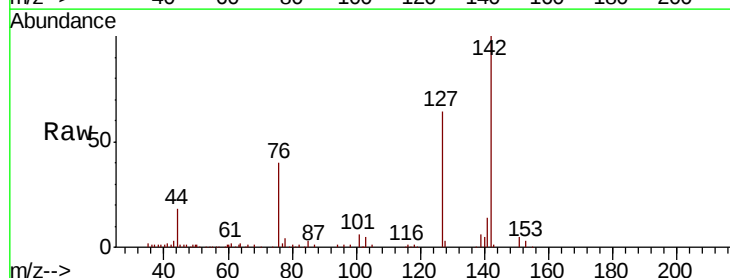
Tgt Ion:142 Resp: 169688

Ion Ratio Lower Upper

142 100

127 63.6 54.7 82.1

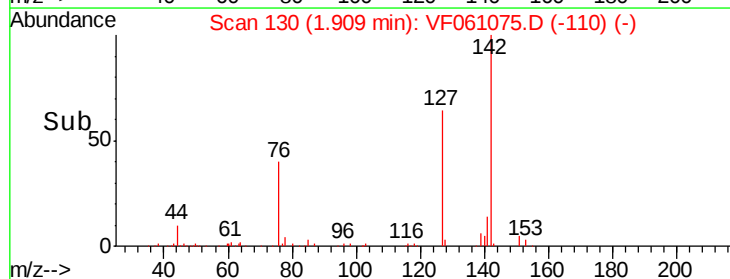
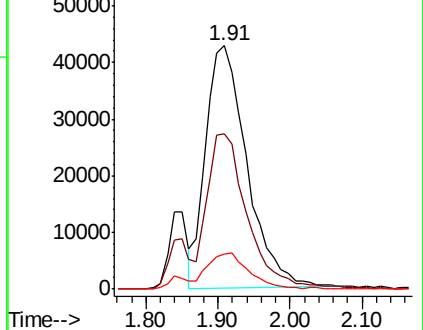
141 14.2 12.2 18.2

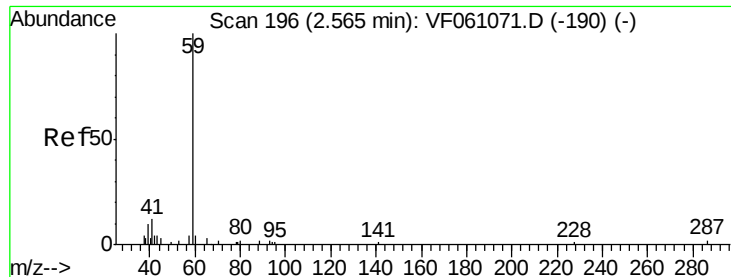


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

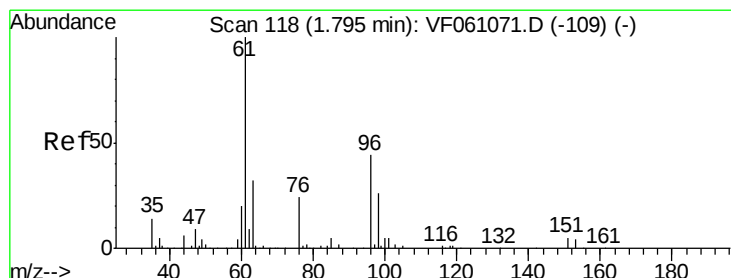
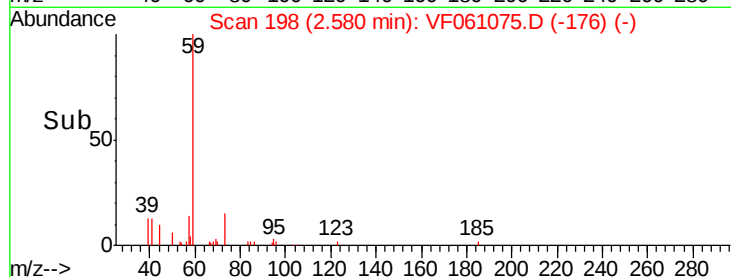
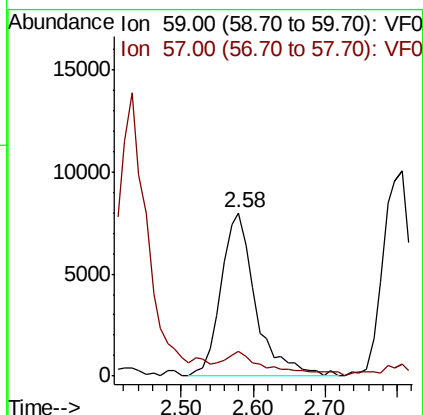
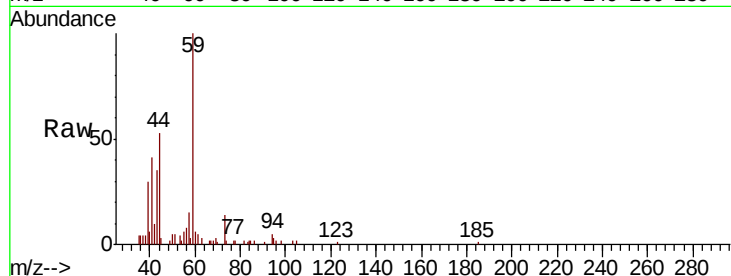




#11
Tert butyl alcohol
Concen: 238.763 ug/l
RT: 2.58 min Scan# 198
Delta R.T. 0.02 min
Lab File: VF061075.D
Acq: 18 Dec 2018 22:15

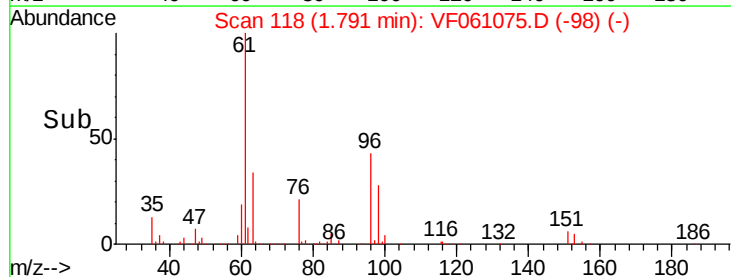
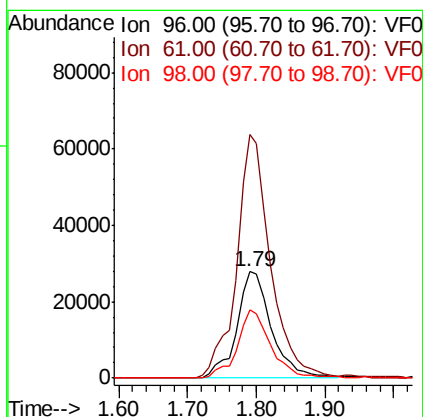
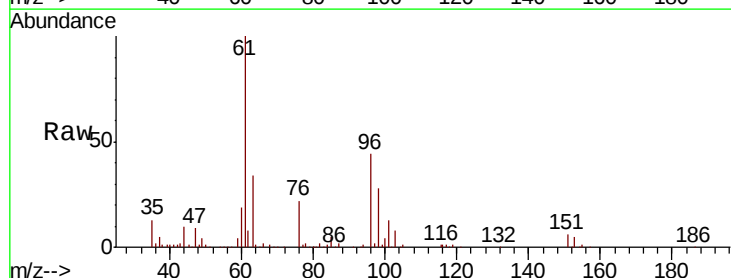
Instrument :
MSVOA_F
ClientSampleId :
ICVVF121918

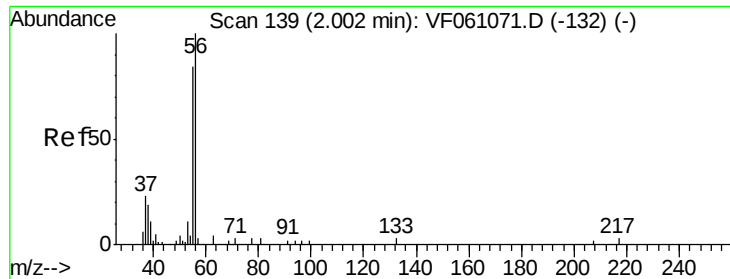
Tgt Ion: 59 Resp: 26637
Ion Ratio Lower Upper
59 100
57 15.5 11.5 17.3



#12
1,1-Dichloroethene
Concen: 51.404 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF061075.D
Acq: 18 Dec 2018 22:15

Tgt Ion: 96 Resp: 97398
Ion Ratio Lower Upper
96 100
61 229.3 182.0 273.0
98 63.7 46.5 69.7

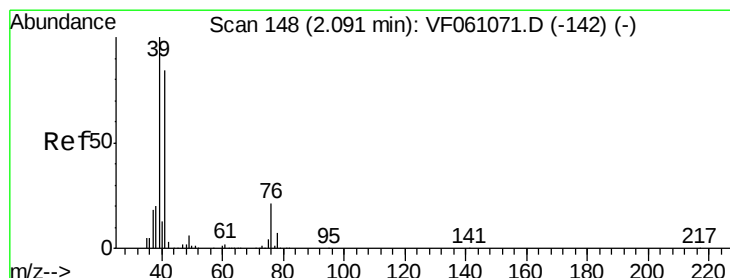
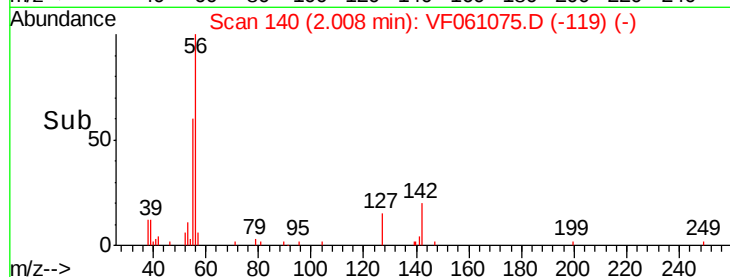
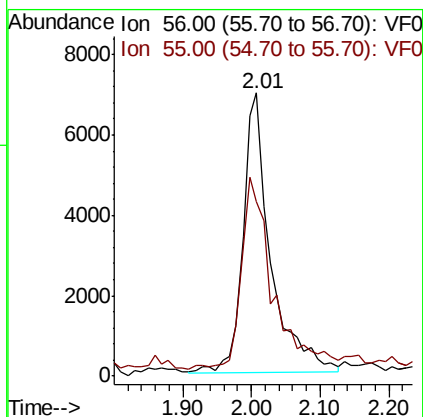
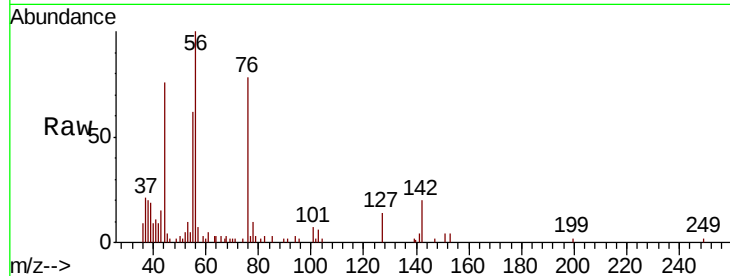




#13
Acrolein
Concen: 252.271 ug/l
RT: 2.01 min Scan# 140
Delta R.T. 0.01 min
Lab File: VF061075.D
Acq: 18 Dec 2018 22:15

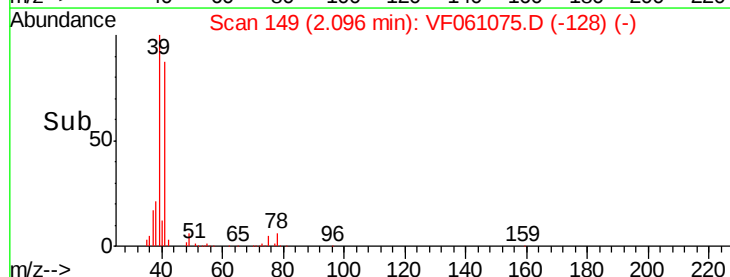
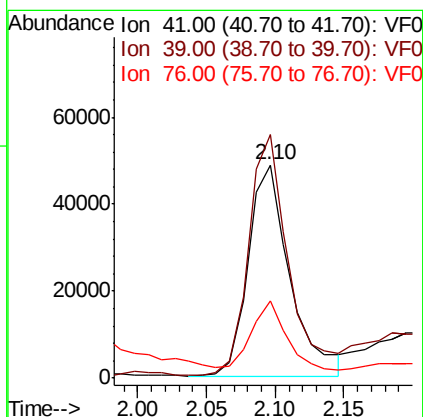
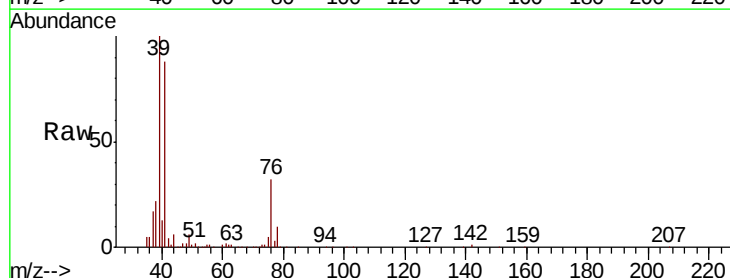
Instrument :
MSVOA_F
ClientSampleId :
ICVVF121918

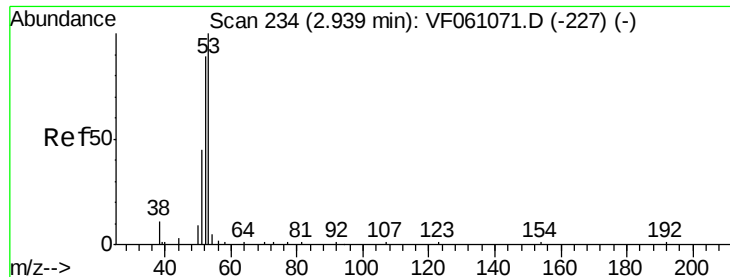
Tgt Ion: 56 Resp: 19497
Ion Ratio Lower Upper
56 100
55 61.9 70.2 105.2#



#14
Allyl chloride
Concen: 51.905 ug/l
RT: 2.10 min Scan# 149
Delta R.T. 0.01 min
Lab File: VF061075.D
Acq: 18 Dec 2018 22:15

Tgt Ion: 41 Resp: 102346
Ion Ratio Lower Upper
41 100
39 114.2 96.4 144.6
76 36.3 25.4 38.0





#15

Acrylonitrile

Concen: 274.153 ug/l

RT: 2.94 min Scan# 235

Delta R.T. 0.01 min

Lab File: VF061075.D

Acq: 18 Dec 2018 22:15

Instrument :

MSVOA_F

ClientSampleId :

ICVVF121918

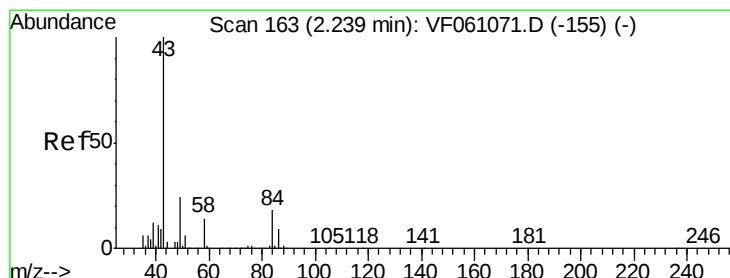
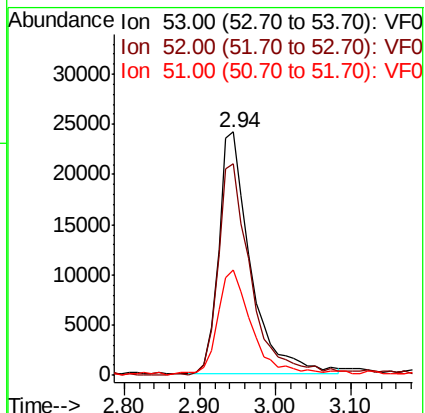
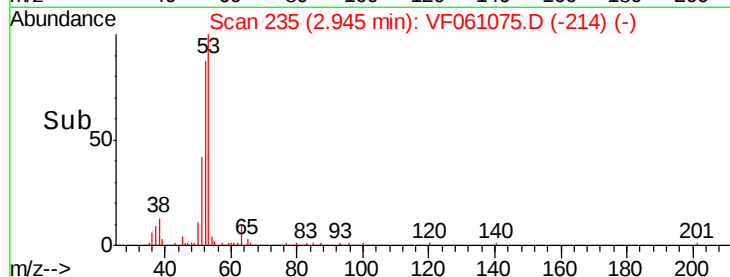
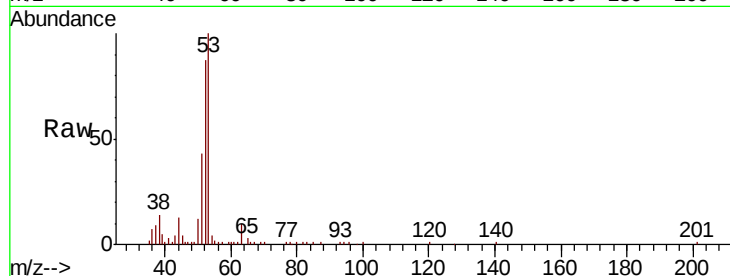
Tgt Ion: 53 Resp: 70725

Ion Ratio Lower Upper

53 100

52 86.8 71.3 106.9

51 43.1 36.8 55.2



#16

Acetone

Concen: 222.506 ug/l

RT: 2.24 min Scan# 164

Delta R.T. 0.01 min

Lab File: VF061075.D

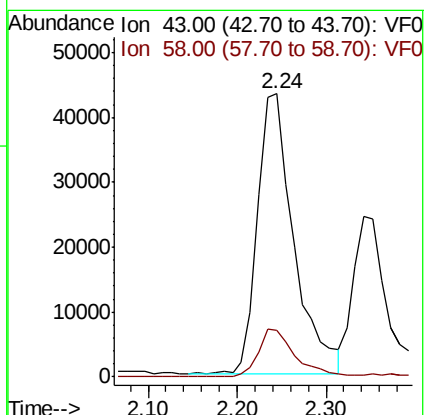
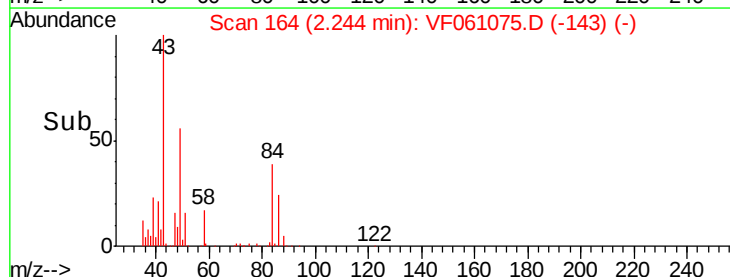
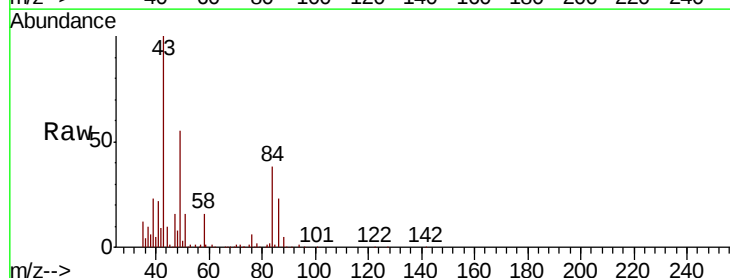
Acq: 18 Dec 2018 22:15

Tgt Ion: 43 Resp: 122973

Ion Ratio Lower Upper

43 100

58 16.5 11.1 16.7

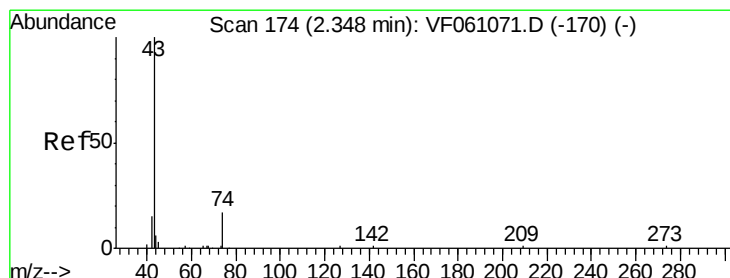
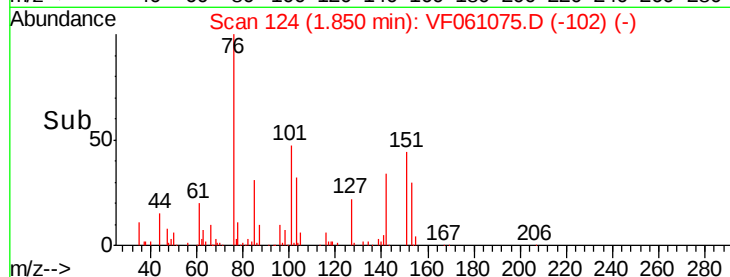
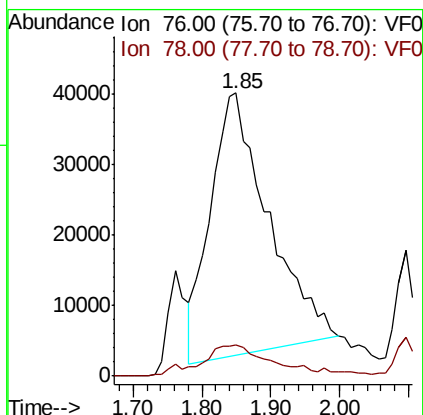
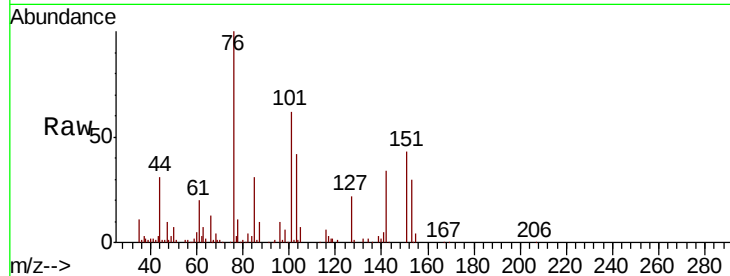




#17
Carbon Disulfide
Concen: 38.238 ug/l
RT: 1.85 min Scan# 124
Delta R.T. 0.02 min
Lab File: VF061075.D
Acq: 18 Dec 2018 22:15

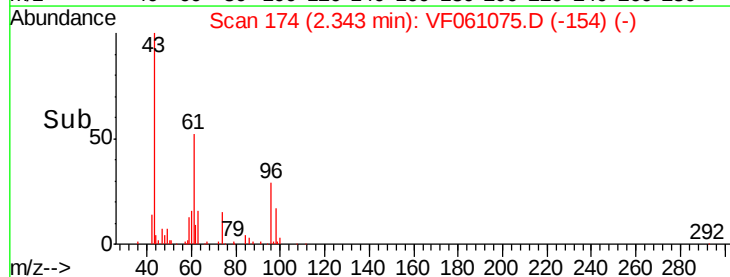
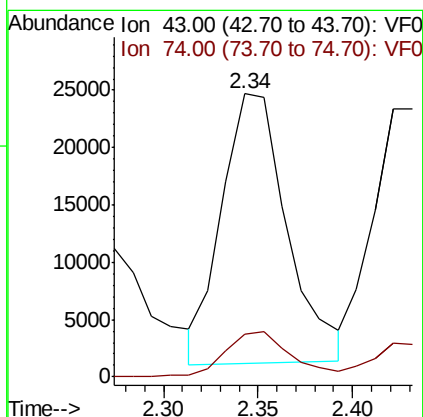
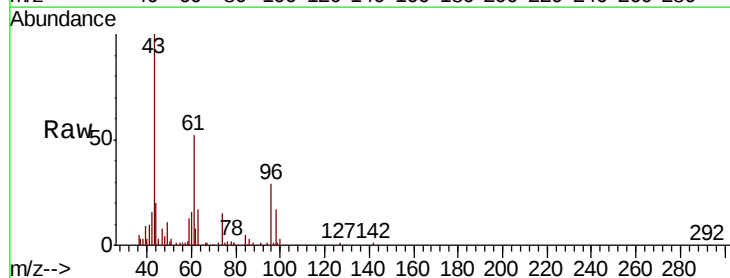
Instrument :
MSVOA_F
ClientSampleId :
ICVVF121918

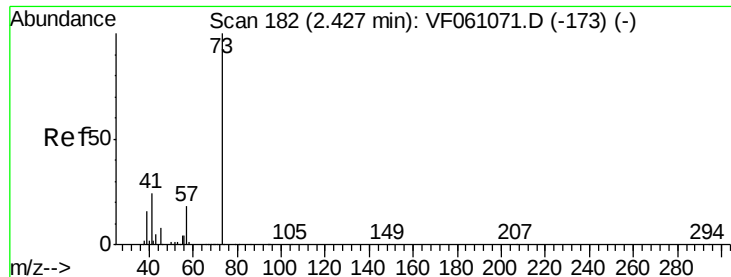
Tgt Ion: 76 Resp: 218950
Ion Ratio Lower Upper
76 100
78 11.1 10.2 15.4



#18
Methyl Acetate
Concen: 49.375 ug/l
RT: 2.34 min Scan# 174
Delta R.T. -0.00 min
Lab File: VF061075.D
Acq: 18 Dec 2018 22:15

Tgt Ion: 43 Resp: 56457
Ion Ratio Lower Upper
43 100
74 15.2 11.0 16.6

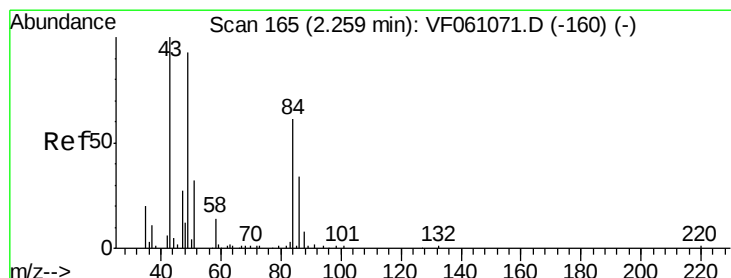
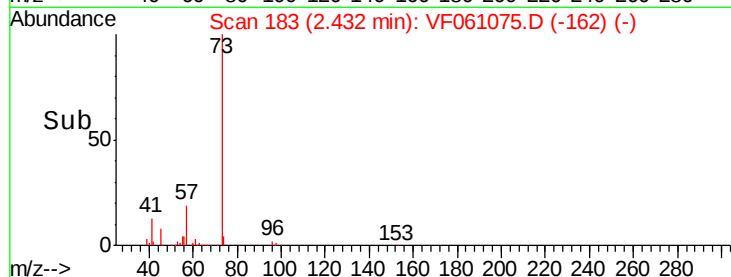
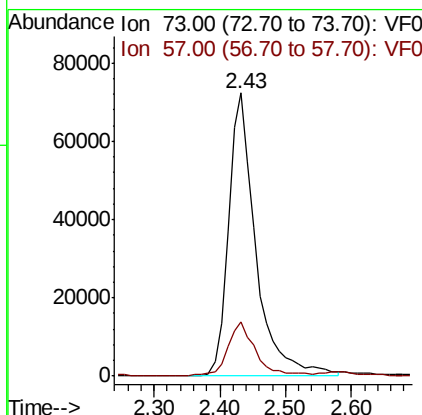
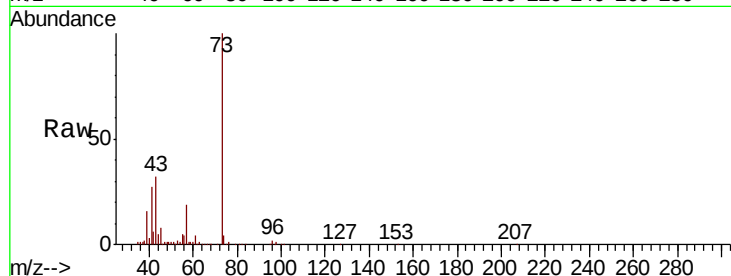




#19
Methyl tert-butyl Ether
Concen: 50.061 ug/l
RT: 2.43 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF061075.D
Acq: 18 Dec 2018 22:15

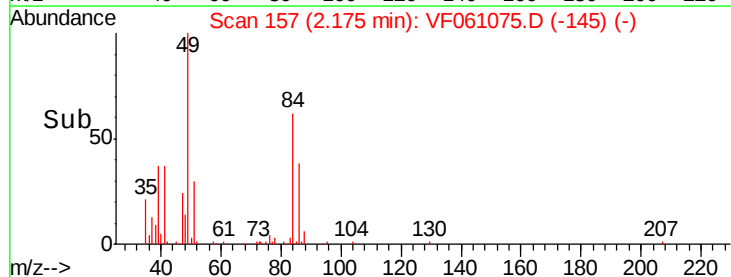
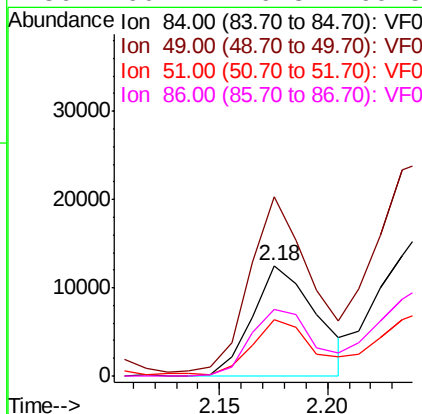
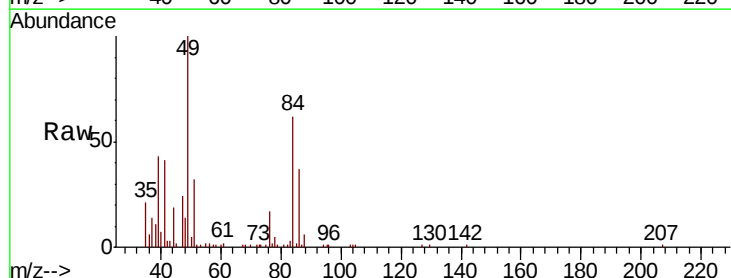
Instrument :
MSVOA_F
ClientSampleId :
ICVVF121918

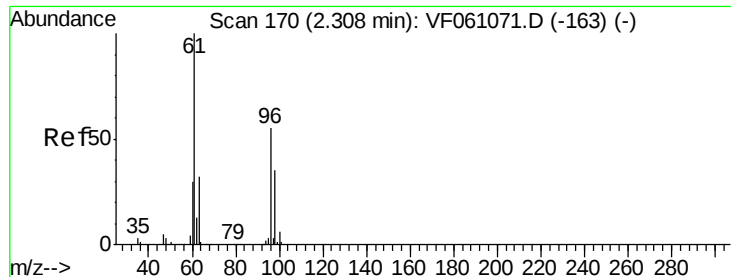
Tgt Ion: 73 Resp: 210543
Ion Ratio Lower Upper
73 100
57 19.2 14.5 21.7



#20
Methylene Chloride
Concen: 13.374 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.08 min
Lab File: VF061075.D
Acq: 18 Dec 2018 22:15

Tgt Ion: 84 Resp: 25654
Ion Ratio Lower Upper
84 100
49 162.4 129.4 194.2
51 51.4 44.0 66.0
86 60.7 46.3 69.5





#21

trans-1,2-Dichloroethene

Concen: 32.845 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061075.D

Acq: 18 Dec 2018 22:15

Instrument :

MSVOA_F

ClientSampleId :

ICVVF121918

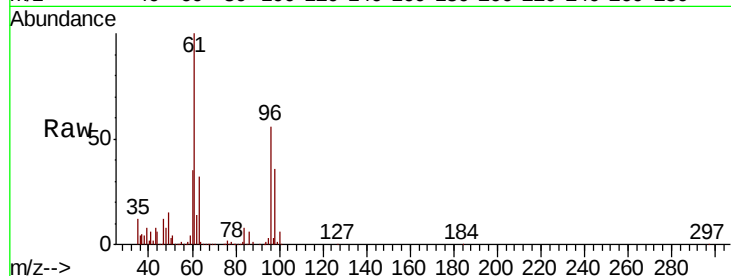
Tgt Ion: 96 Resp: 66562

Ion Ratio Lower Upper

96 100

61 179.7 146.0 219.0

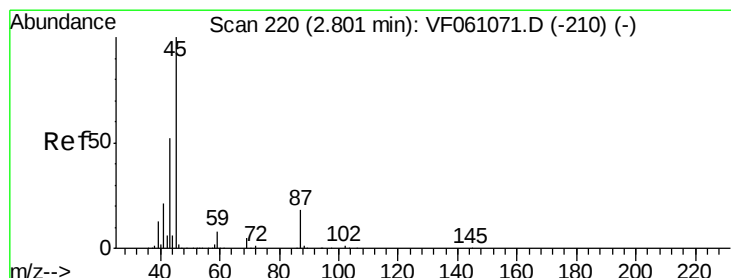
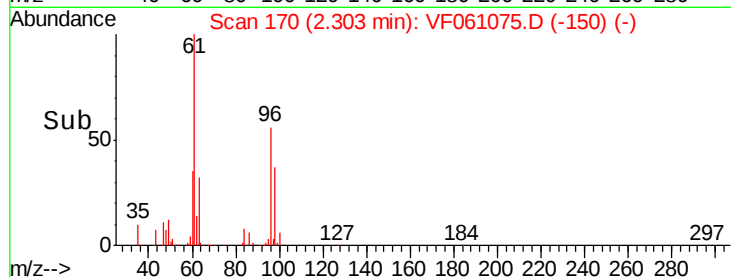
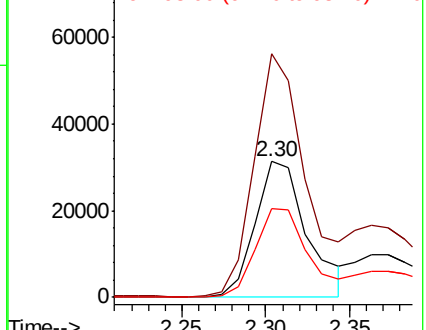
98 65.2 51.6 77.4



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 50.307 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.00 min

Lab File: VF061075.D

Acq: 18 Dec 2018 22:15

Tgt Ion: 45 Resp: 330418

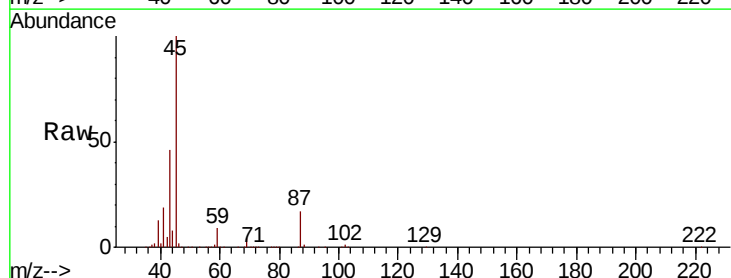
Ion Ratio Lower Upper

45 100

43 46.3 42.2 63.2

87 16.9 14.6 22.0

59 8.7 7.0 10.4

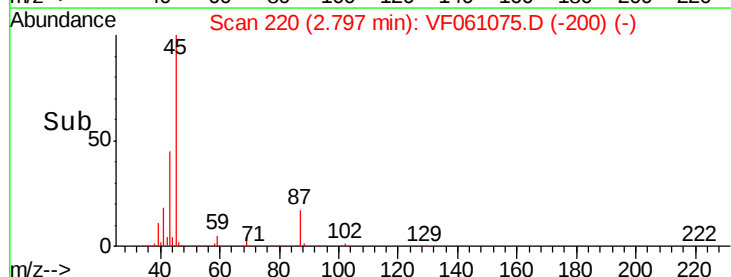
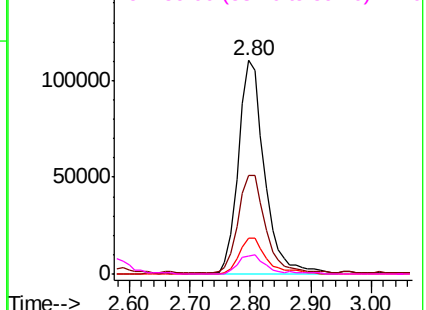


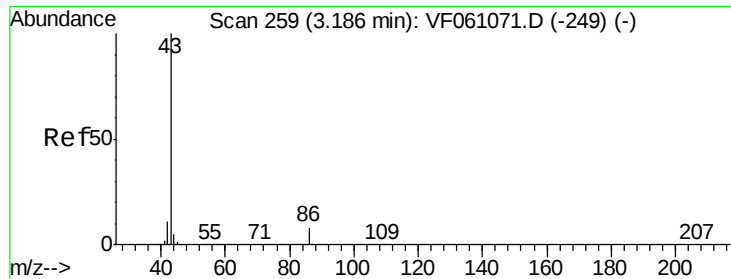
Abundance Ion 45.00 (44.70 to 45.70): VF0

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

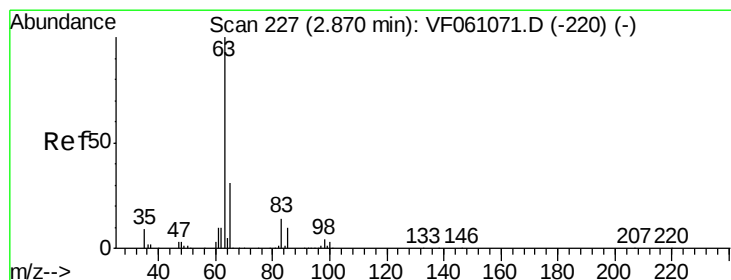
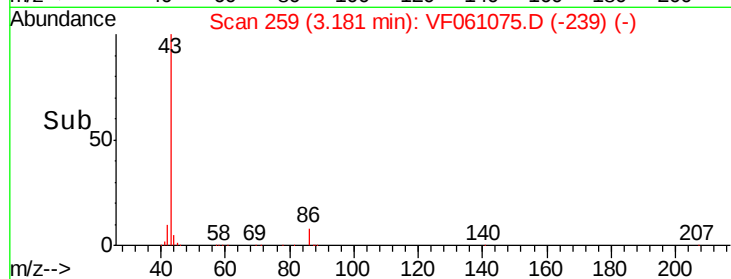
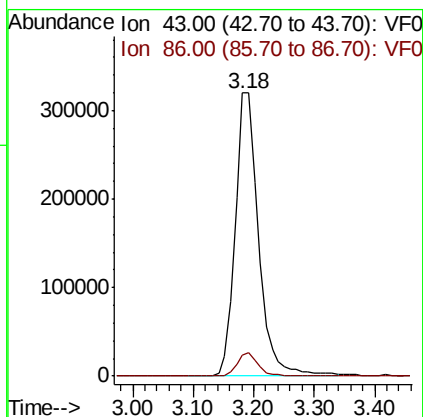
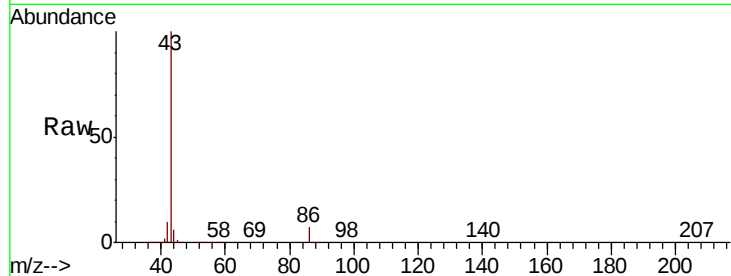




#23
 Vinyl Acetate
 Concen: 281.328 ug/l
 RT: 3.18 min Scan# 259
 Delta R.T. -0.00 min
 Lab File: VF061075.D
 Acq: 18 Dec 2018 22:15

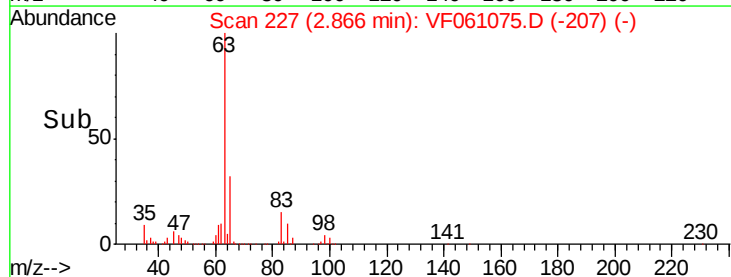
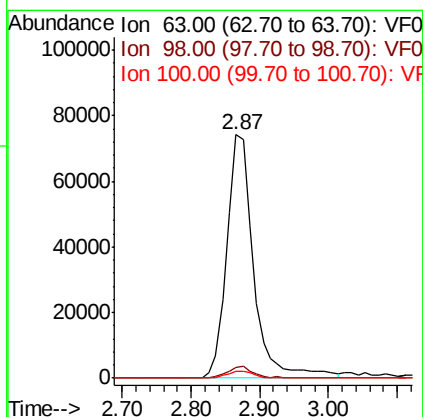
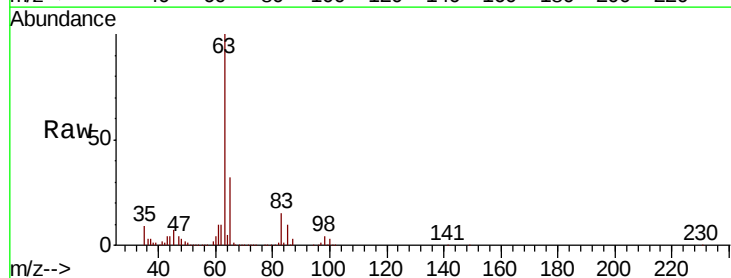
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF121918

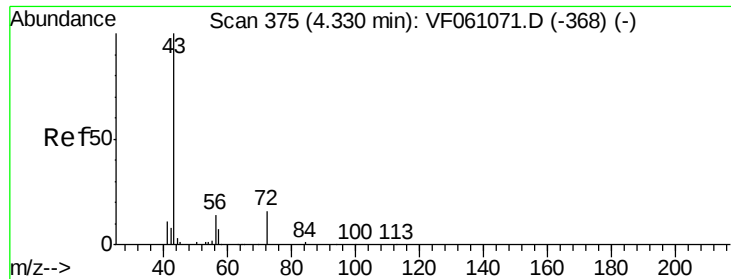
Tgt Ion: 43 Resp: 852428
 Ion Ratio Lower Upper
 43 100
 86 7.5 6.3 9.5



#24
 1,1-Dichloroethane
 Concen: 51.573 ug/l
 RT: 2.87 min Scan# 227
 Delta R.T. -0.00 min
 Lab File: VF061075.D
 Acq: 18 Dec 2018 22:15

Tgt Ion: 63 Resp: 200701
 Ion Ratio Lower Upper
 63 100
 98 4.4 2.1 6.5
 100 3.0 1.7 5.1





#25

2-Butanone

Concen: 240.565 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.01 min

Lab File: VF061075.D

Acq: 18 Dec 2018 22:15

Instrument :

MSVOA_F

ClientSampleId :

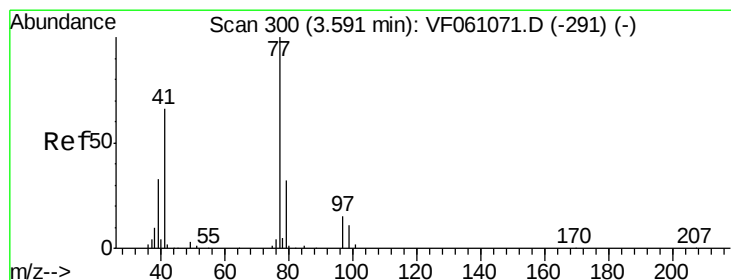
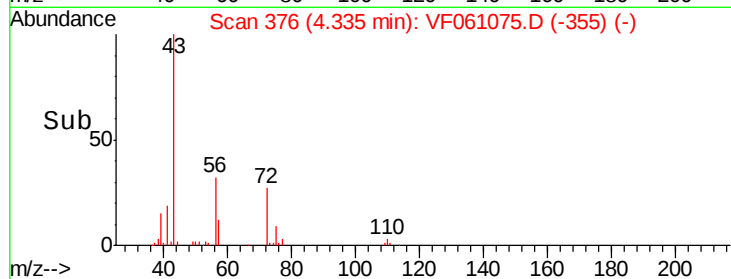
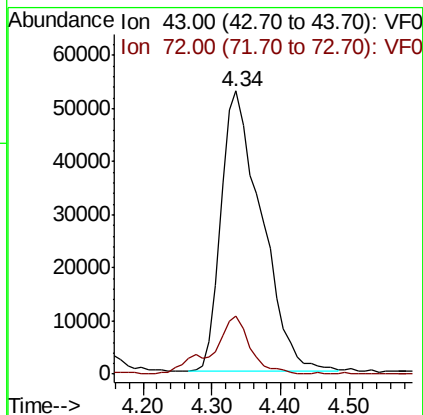
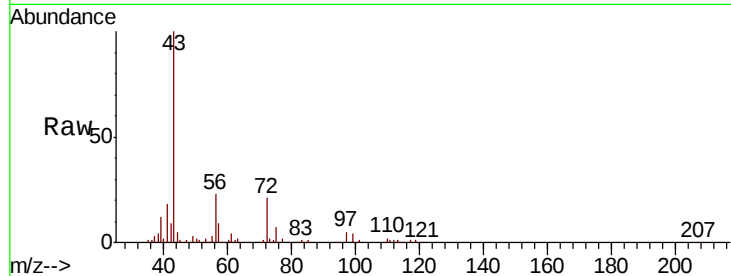
ICVVF121918

Tgt Ion: 43 Resp: 215625

Ion Ratio Lower Upper

43 100

72 20.6 15.6 23.4



#26

2,2-Dichloropropane

Concen: 50.220 ug/l

RT: 3.60 min Scan# 301

Delta R.T. 0.01 min

Lab File: VF061075.D

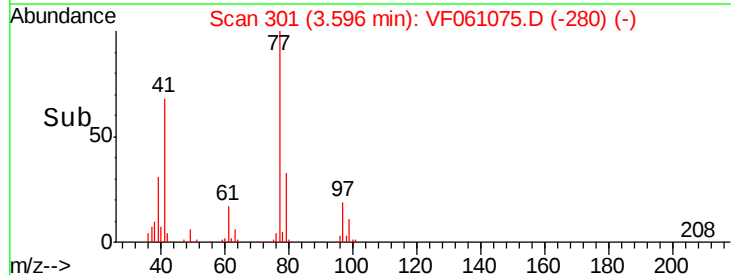
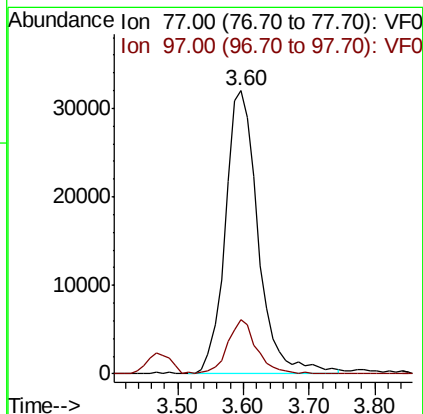
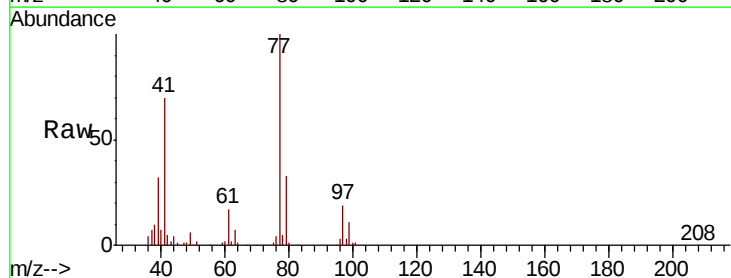
Acq: 18 Dec 2018 22:15

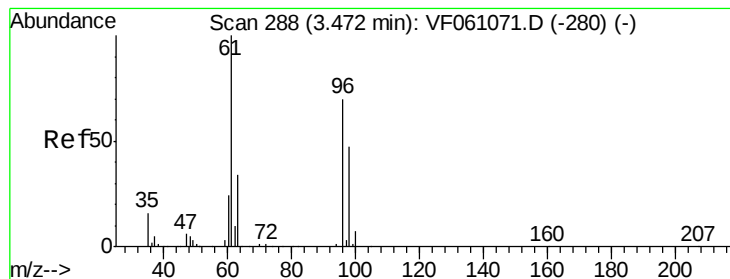
Tgt Ion: 77 Resp: 112156

Ion Ratio Lower Upper

77 100

97 19.3 8.2 24.4



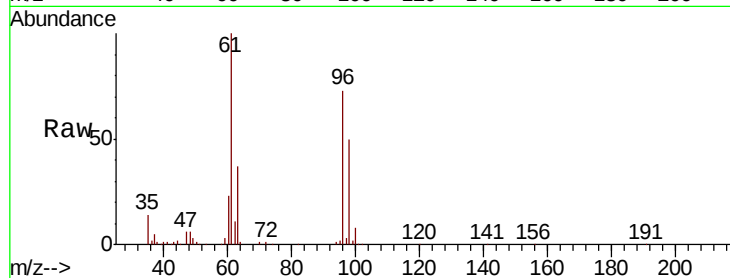


#27

cis-1,2-Dichloroethene
Concen: 50.916 ug/l
RT: 3.48 min Scan# 289
Delta R.T. 0.01 min
Lab File: VF061075.D
Acq: 18 Dec 2018 22:15

Instrument :
MSVOA_F
ClientSampleId :
ICVVF121918

Tgt Ion	Ratio	Lower	Upper
96	100		
61	136.6	0.0	287.8
98	68.1	0.0	134.2

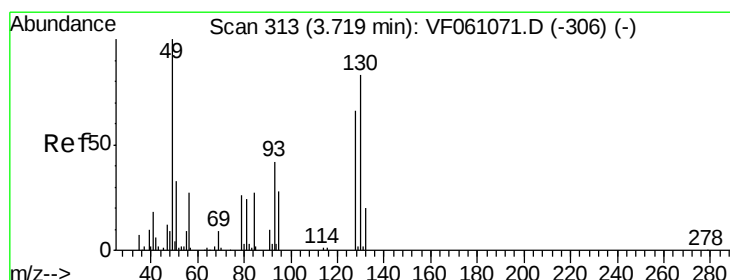
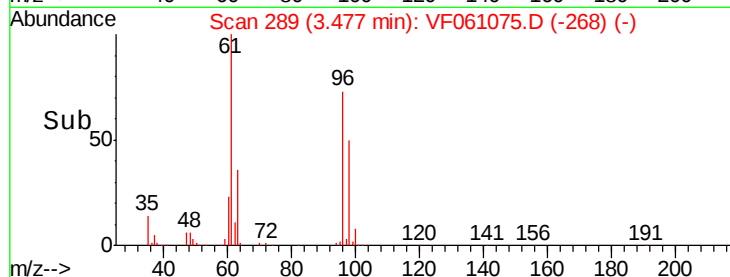
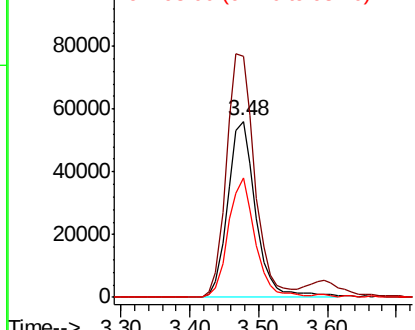


Abundance

Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

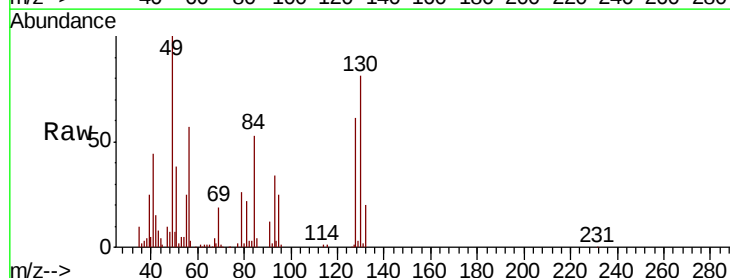
Ion 98.00 (97.70 to 98.70): VF0



#28

Bromochloromethane
Concen: 49.381 ug/l
RT: 3.71 min Scan# 313
Delta R.T. -0.00 min
Lab File: VF061075.D
Acq: 18 Dec 2018 22:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	3.6
130	81.0	65.8	98.6

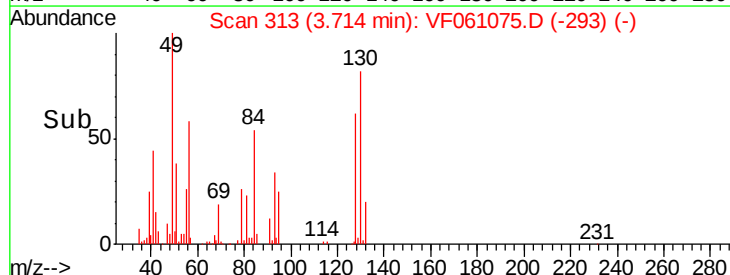
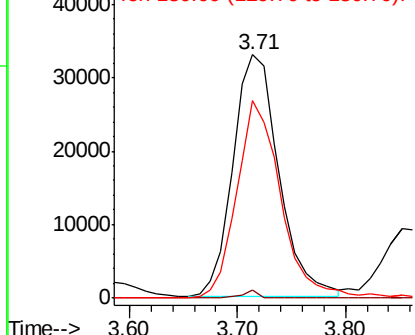


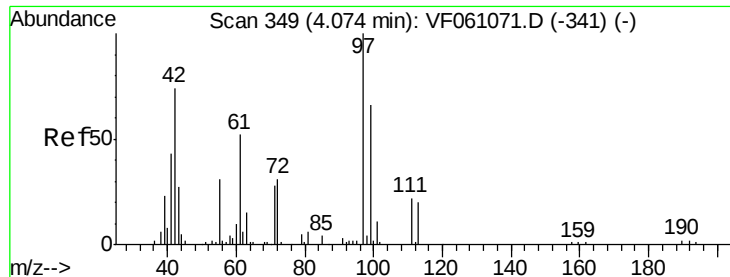
Abundance

Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 238.030 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.00 min

Lab File: VF061075.D

Acq: 18 Dec 2018 22:15

Instrument :

MSVOA_F

ClientSampleId :

ICVVF121918

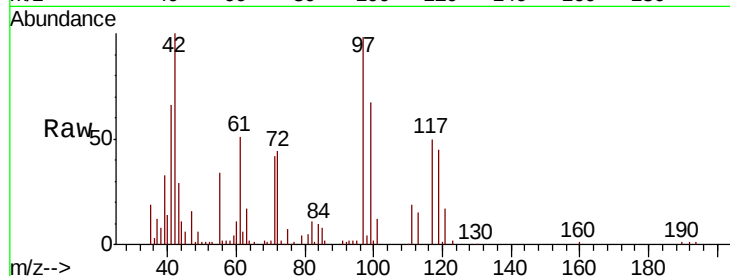
Tgt Ion: 42 Resp: 86837

Ion Ratio Lower Upper

42 100

72 38.6 31.8 47.8

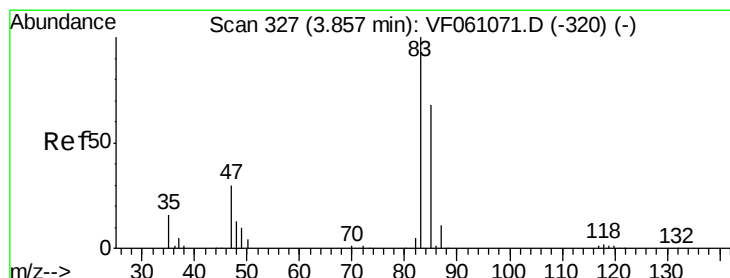
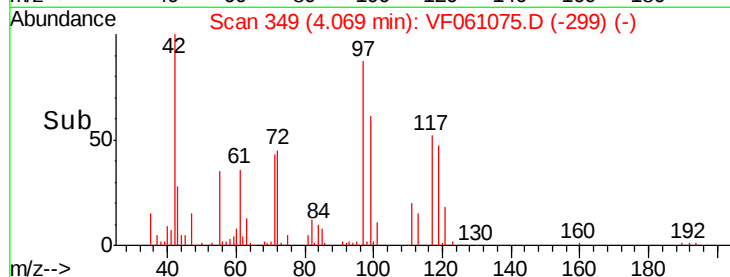
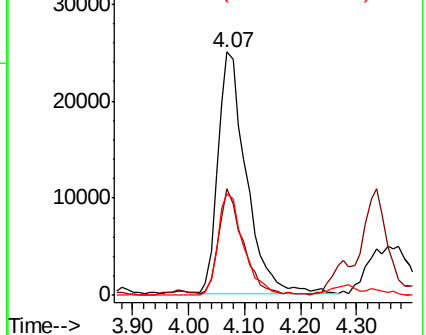
71 39.1 29.7 44.5



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 48.139 ug/l

RT: 3.86 min Scan# 328

Delta R.T. 0.01 min

Lab File: VF061075.D

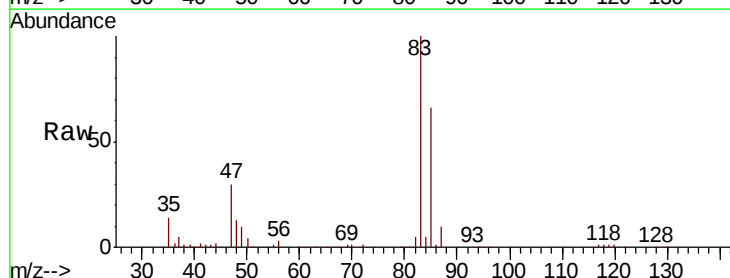
Acq: 18 Dec 2018 22:15

Tgt Ion: 83 Resp: 280900

Ion Ratio Lower Upper

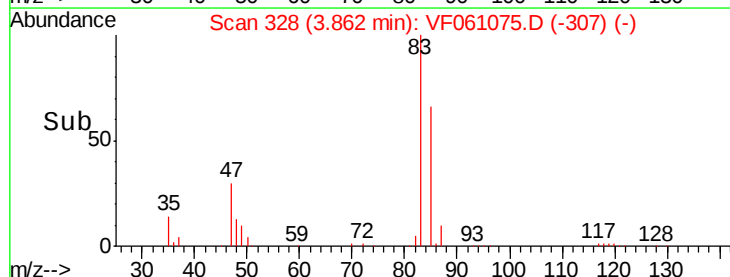
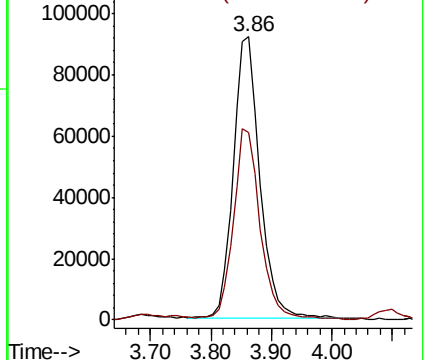
83 100

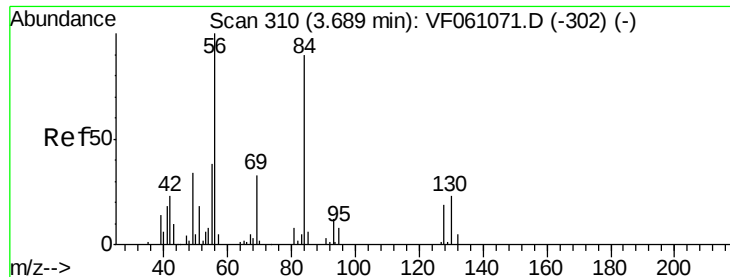
85 66.3 54.5 81.7



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

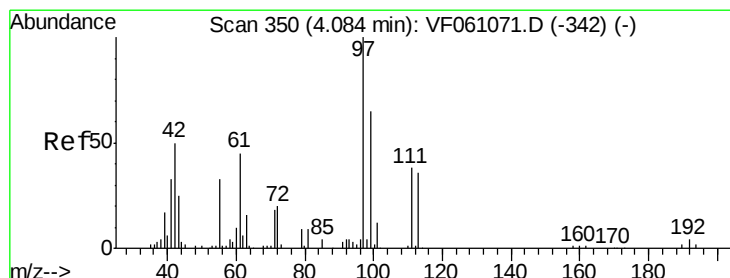
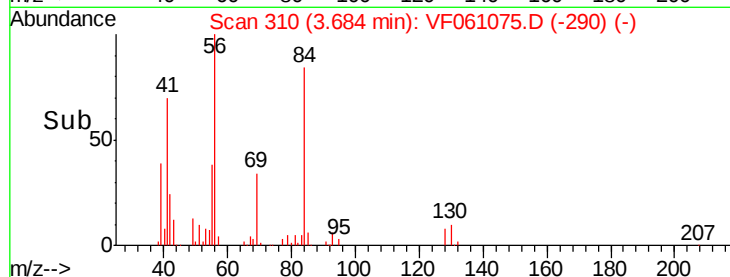
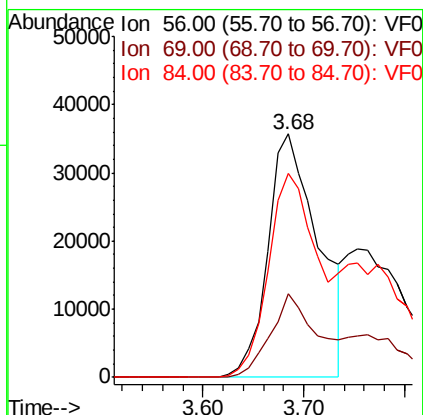
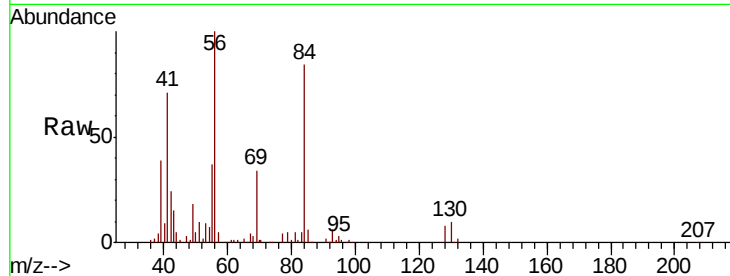




#31
Cyclohexane
Concen: 30.796 ug/l
RT: 3.68 min Scan# 310
Delta R.T. -0.00 min
Lab File: VF061075.D
Acq: 18 Dec 2018 22:15

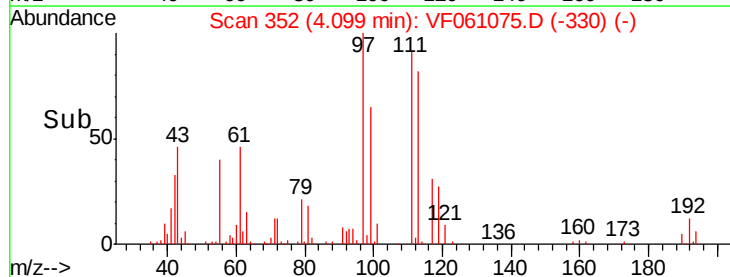
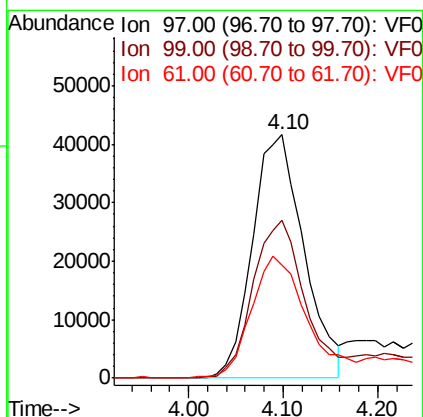
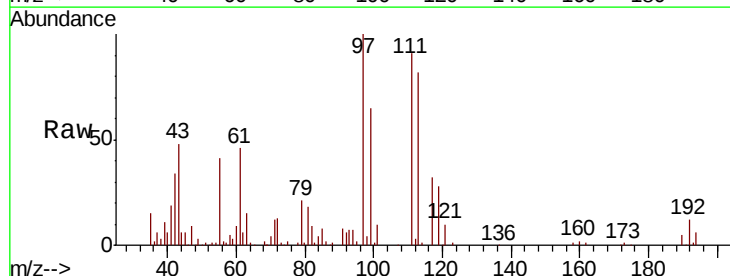
Instrument :
MSVOA_F
ClientSampleId :
ICVVF121918

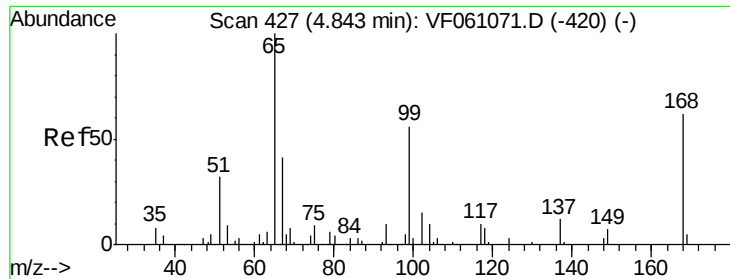
Tgt Ion: 56 Resp: 124358
Ion Ratio Lower Upper
56 100
69 34.3 26.0 39.0
84 83.5 71.4 107.2



#32
1,1,1-Trichloroethane
Concen: 45.053 ug/l
RT: 4.10 min Scan# 352
Delta R.T. 0.02 min
Lab File: VF061075.D
Acq: 18 Dec 2018 22:15

Tgt Ion: 97 Resp: 157571
Ion Ratio Lower Upper
97 100
99 64.8 51.6 77.4
61 46.2 36.2 54.2





#33

1,2-Dichloroethane-d4

Concen: 46.746 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.00 min

Lab File: VF061075.D

Acq: 18 Dec 2018 22:15

Instrument :

MSVOA_F

ClientSampleId :

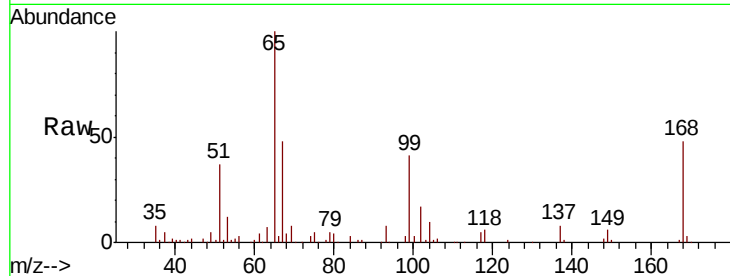
ICVVF121918

Tgt Ion: 65 Resp: 129233

Ion Ratio Lower Upper

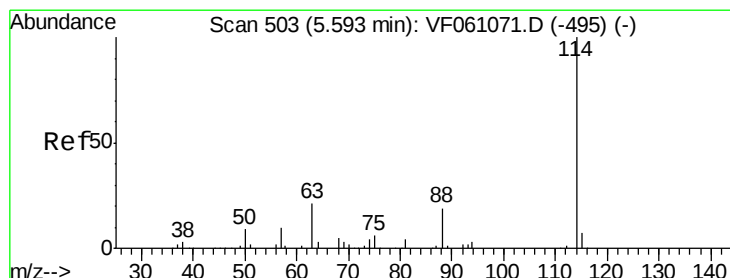
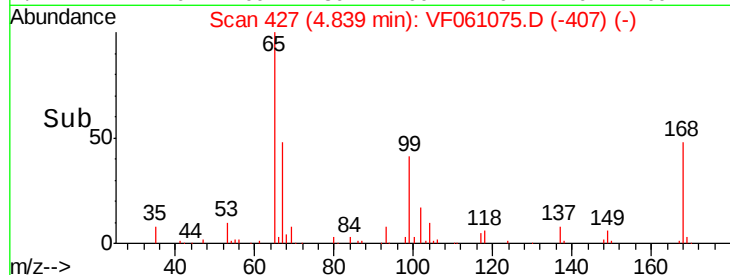
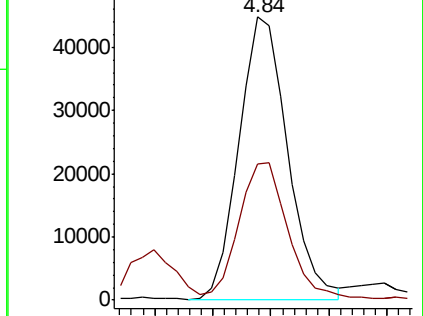
65 100

67 48.0 0.0 94.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. 0.01 min

Lab File: VF061075.D

Acq: 18 Dec 2018 22:15

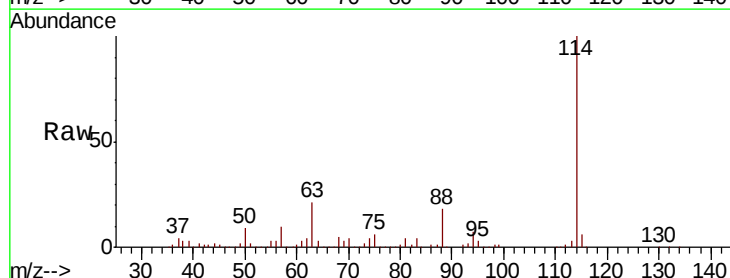
Tgt Ion: 114 Resp: 361608

Ion Ratio Lower Upper

114 100

63 21.2 0.0 41.6

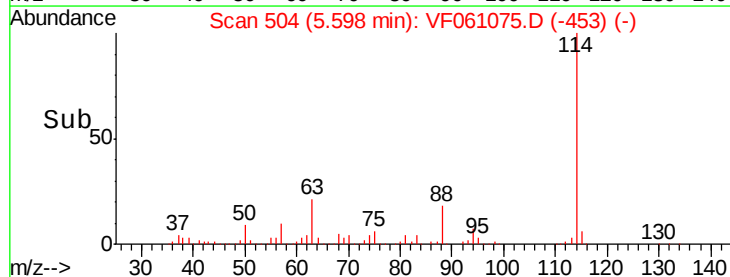
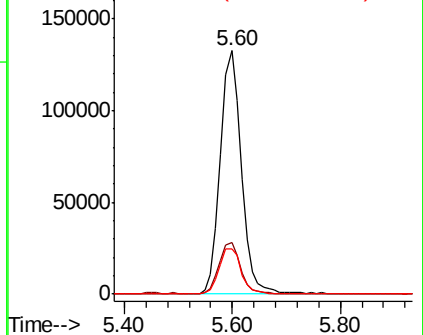
88 18.5 0.0 38.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

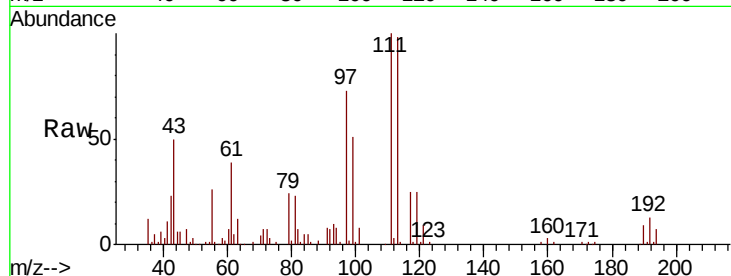




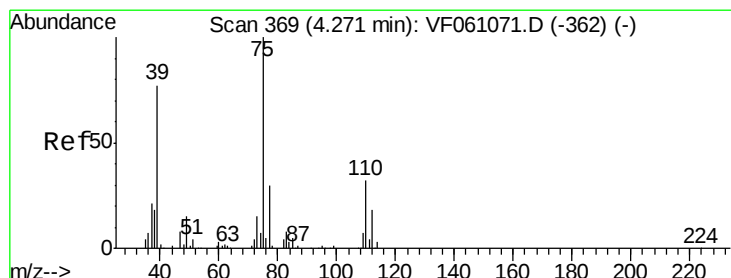
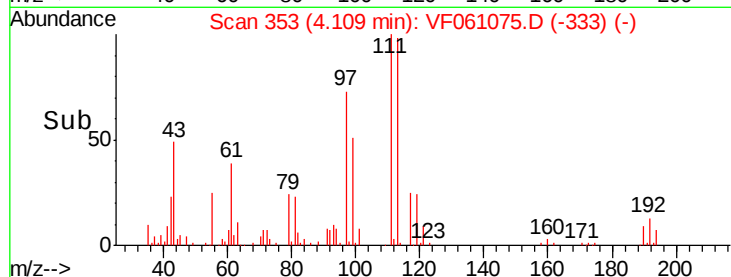
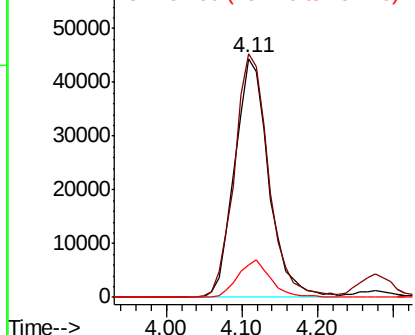
#35
 Dibromofluoromethane
 Concen: 47.926 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. -0.00 min
 Lab File: VF061075.D
 Acq: 18 Dec 2018 22:15

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF121918

Tgt Ion: 113 Resp: 138827
 Ion Ratio Lower Upper
 113 100
 111 102.1 85.2 127.8
 192 13.3 12.8 19.2

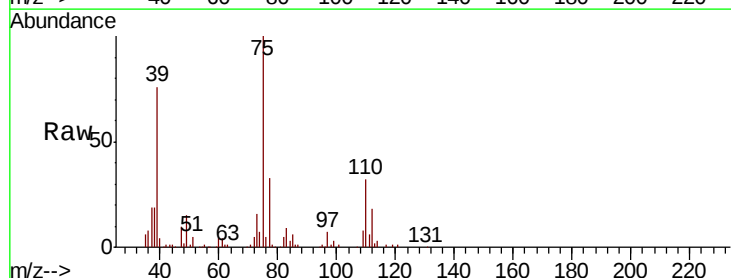


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

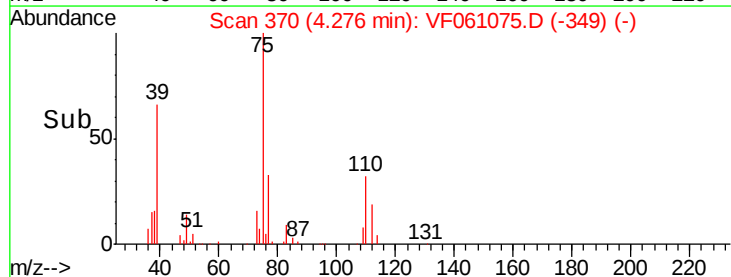
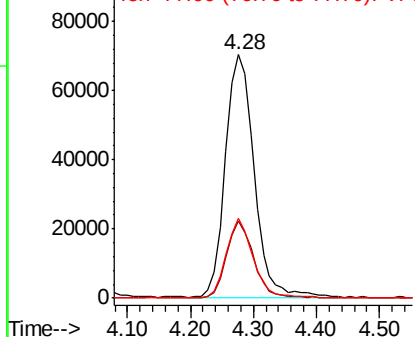


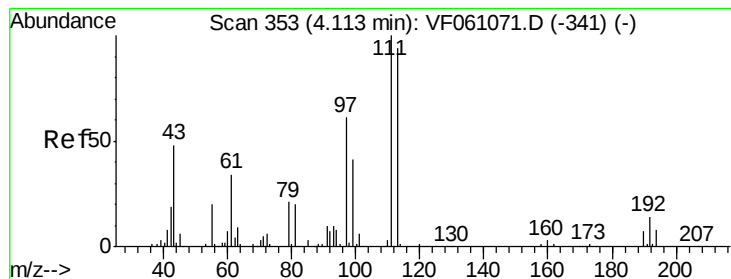
#36
 1,1-Dichloropropene
 Concen: 51.103 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. 0.01 min
 Lab File: VF061075.D
 Acq: 18 Dec 2018 22:15

Tgt Ion: 75 Resp: 223055
 Ion Ratio Lower Upper
 75 100
 110 31.8 16.1 48.2
 77 32.9 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VF0
 Ion 110.00 (109.70 to 110.70): V
 Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 50.805 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.00 min

Lab File: VF061075.D

Acq: 18 Dec 2018 22:15

Instrument :

MSVOA_F

ClientSampleId :

ICVVF121918

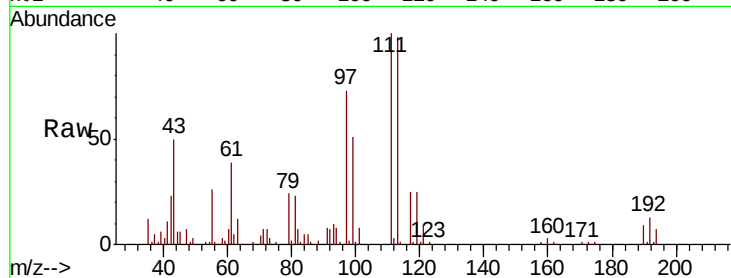
Tgt Ion: 43 Resp: 86001

Ion Ratio Lower Upper

43 100

61 77.6 56.6 84.8

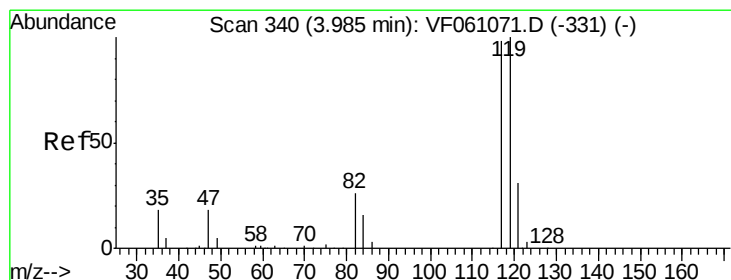
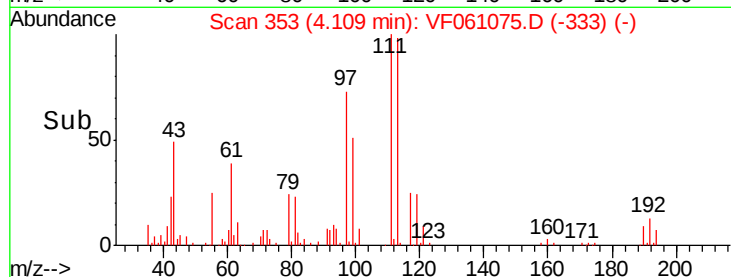
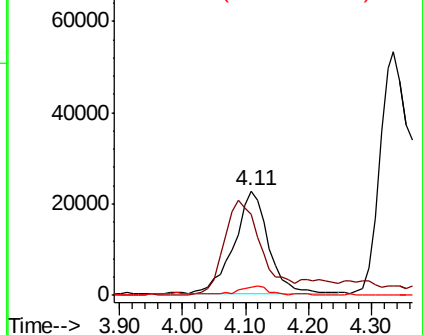
70 7.5 6.3 9.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 51.115 ug/l

RT: 3.99 min Scan# 341

Delta R.T. 0.01 min

Lab File: VF061075.D

Acq: 18 Dec 2018 22:15

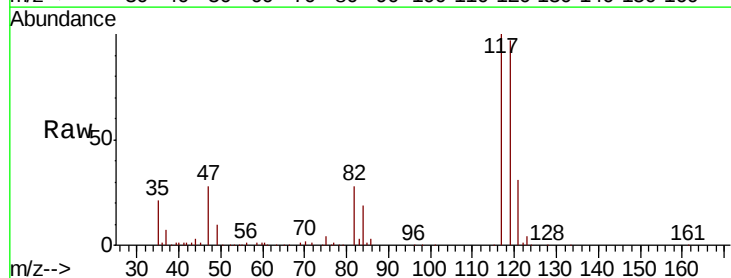
Tgt Ion: 117 Resp: 169908

Ion Ratio Lower Upper

117 100

119 96.7 82.1 123.1

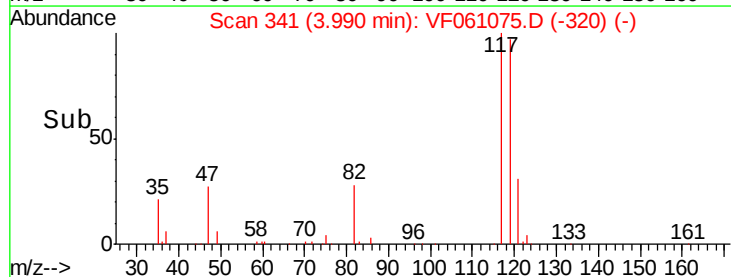
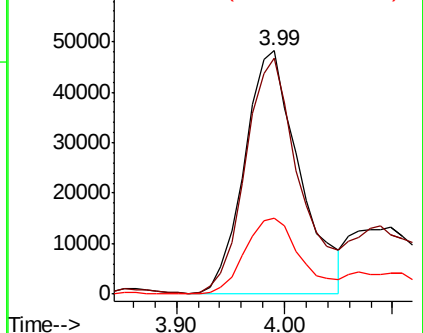
121 31.4 25.5 38.3

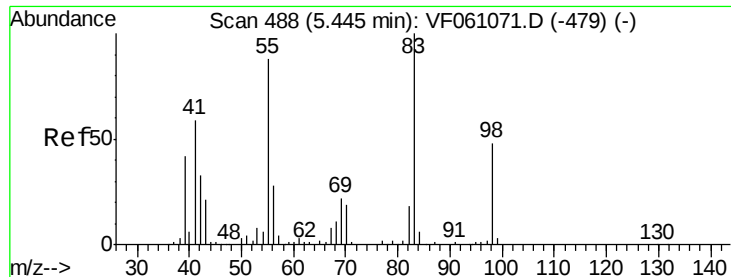


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

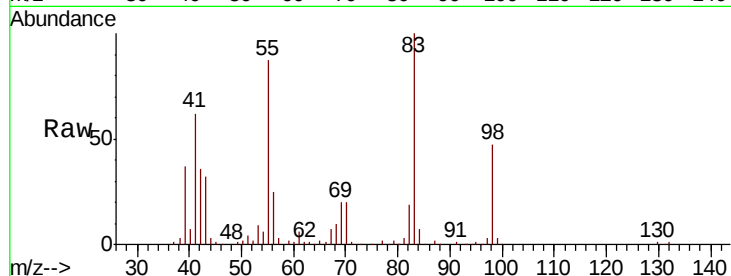




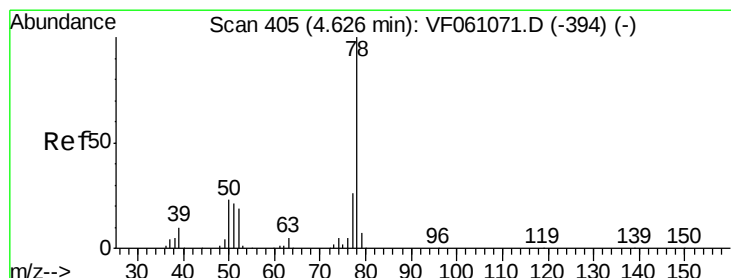
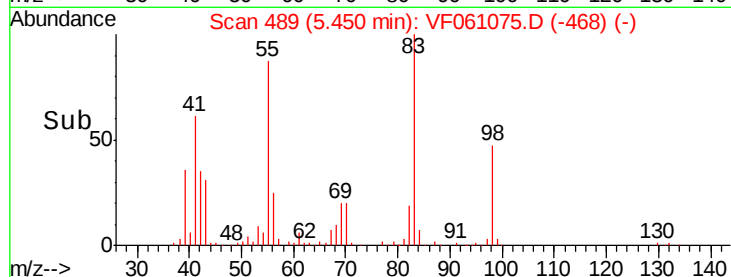
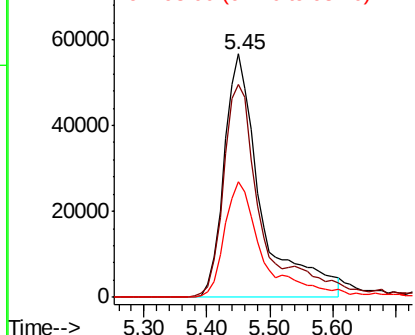
#39
Methylcyclohexane
Concen: 59.342 ug/l
RT: 5.45 min Scan# 489
Delta R.T. 0.01 min
Lab File: VF061075.D
Acq: 18 Dec 2018 22:15

Instrument :
MSVOA_F
ClientSampleId :
ICVVF121918

Tgt Ion: 83 Resp: 232373
Ion Ratio Lower Upper
83 100
55 87.4 70.6 105.8
98 47.2 38.5 57.7

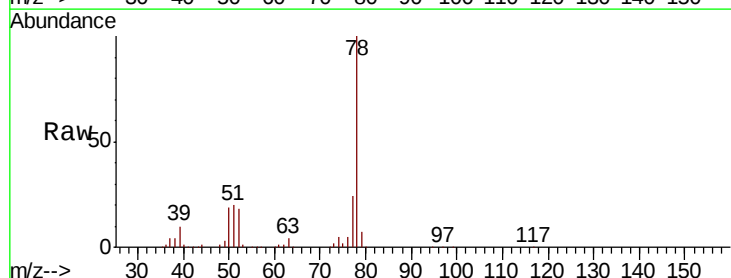


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

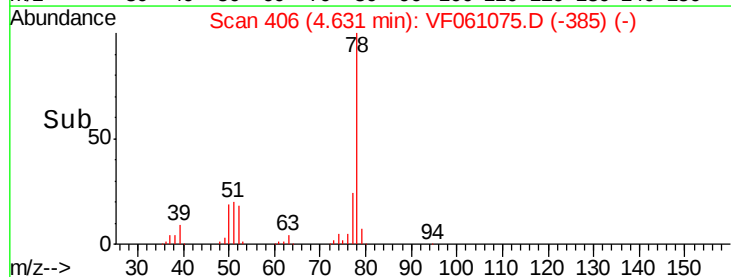
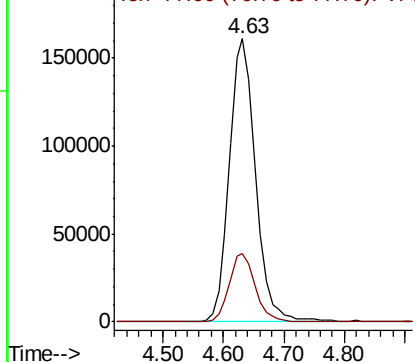


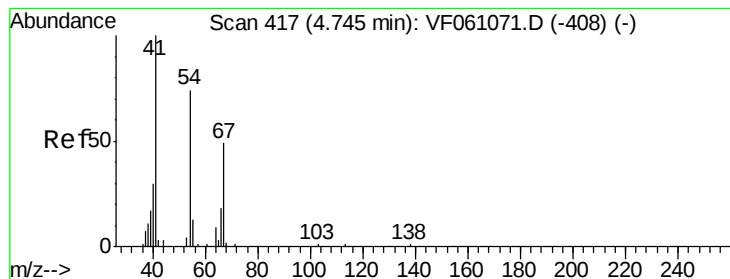
#40
Benzene
Concen: 51.605 ug/l
RT: 4.63 min Scan# 406
Delta R.T. 0.01 min
Lab File: VF061075.D
Acq: 18 Dec 2018 22:15

Tgt Ion: 78 Resp: 484401
Ion Ratio Lower Upper
78 100
77 24.1 20.7 31.1



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 50.712 ug/l

RT: 4.75 min Scan# 418

Delta R.T. 0.01 min

Lab File: VF061075.D

Acq: 18 Dec 2018 22:15

Instrument :

MSVOA_F

ClientSampleId :

ICVVF121918

Tgt Ion: 41 Resp: 46747

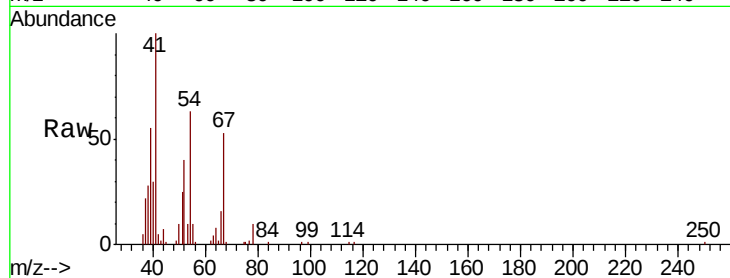
Ion Ratio Lower Upper

41 100

39 55.3 45.7 68.5

67 52.6 38.9 58.3

52 40.5 35.2 52.8

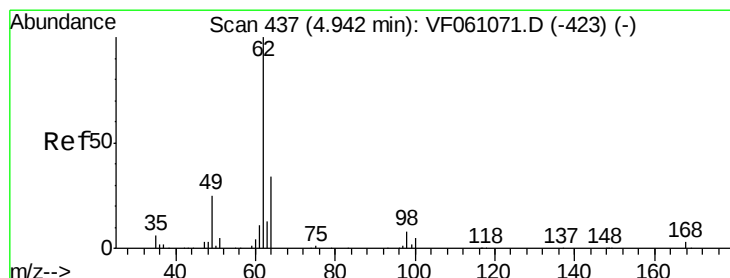
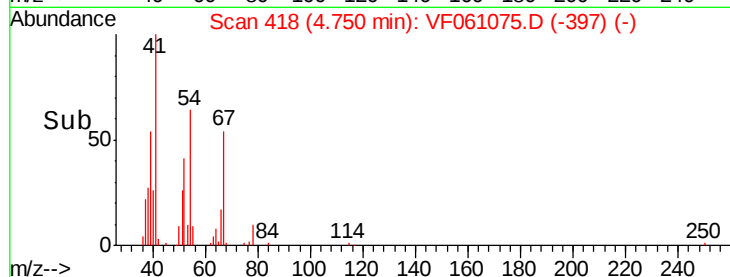
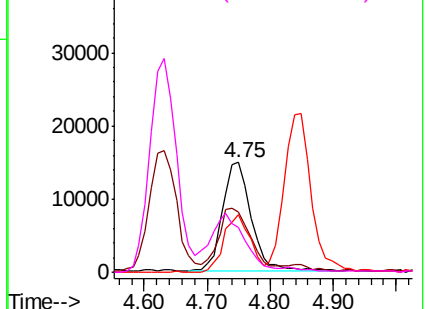


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 48.633 ug/l

RT: 4.94 min Scan# 437

Delta R.T. -0.00 min

Lab File: VF061075.D

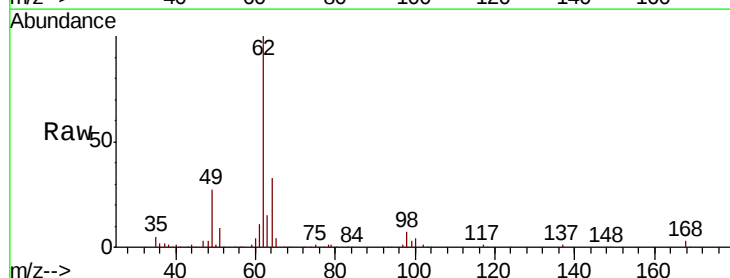
Acq: 18 Dec 2018 22:15

Tgt Ion: 62 Resp: 173418

Ion Ratio Lower Upper

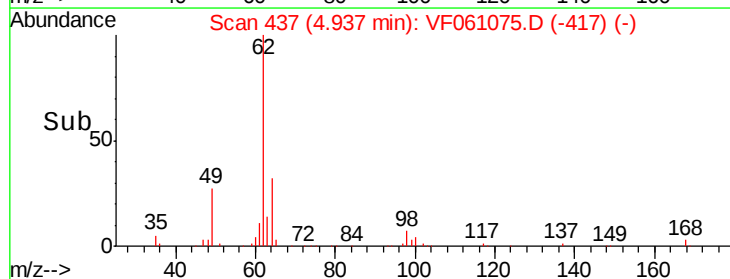
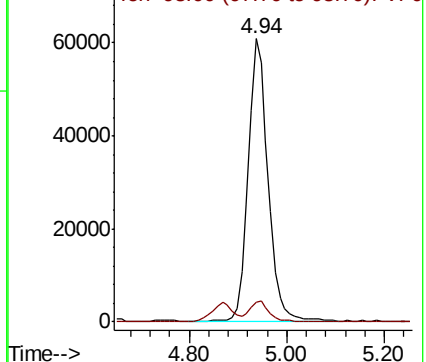
62 100

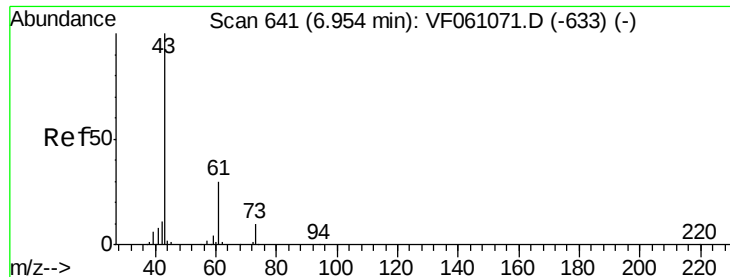
98 6.9 0.0 16.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

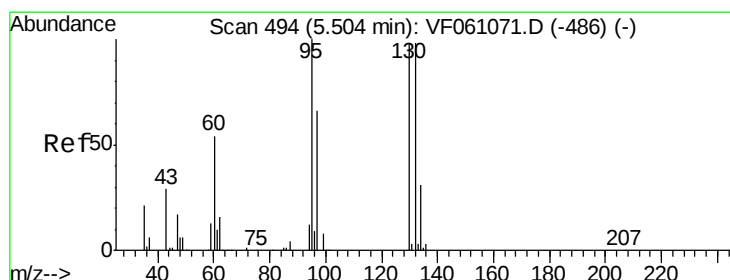
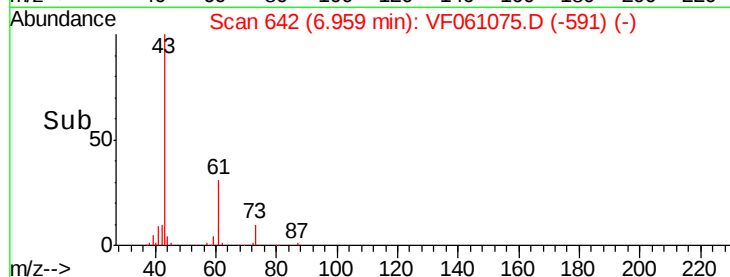
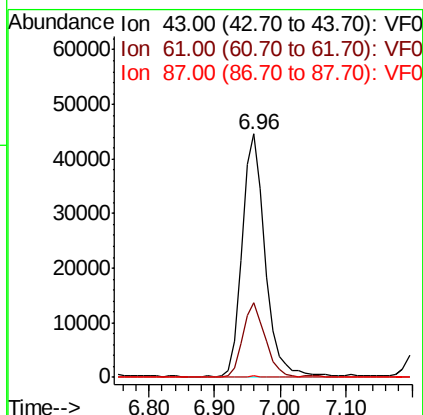
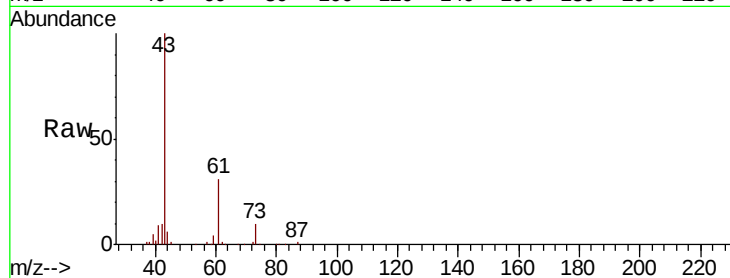




#43
Isopropyl Acetate
Concen: 52.605 ug/l
RT: 6.96 min Scan# 642
Delta R.T. 0.01 min
Lab File: VF061075.D
Acq: 18 Dec 2018 22:15

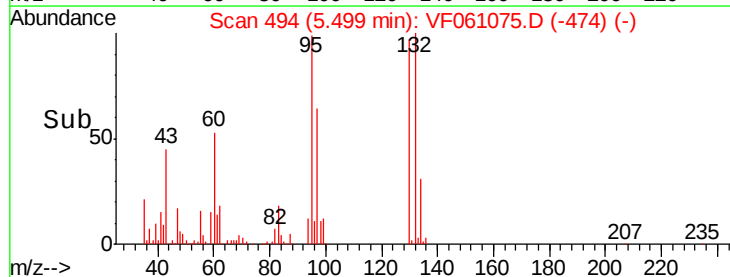
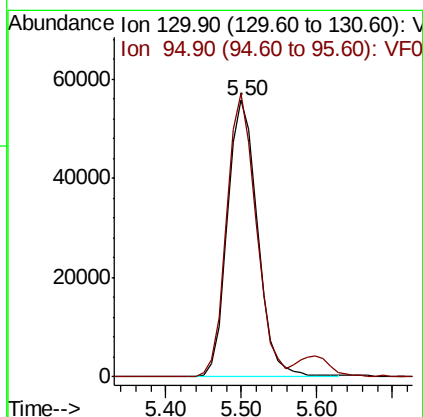
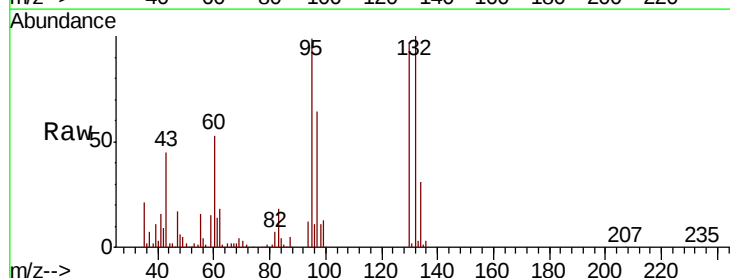
Instrument :
MSVOA_F
ClientSampleId :
ICVVF121918

Tgt Ion: 43 Resp: 110869
Ion Ratio Lower Upper
43 100
61 30.6 23.8 35.8
87 0.5 0.0 0.0#



#44
Trichloroethene
Concen: 51.908 ug/l
RT: 5.50 min Scan# 494
Delta R.T. -0.00 min
Lab File: VF061075.D
Acq: 18 Dec 2018 22:15

Tgt Ion:130 Resp: 153616
Ion Ratio Lower Upper
130 100
95 102.4 0.0 205.2





#45

1,2-Dichloropropane

Concen: 49.919 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.00 min

Lab File: VF061075.D

Acq: 18 Dec 2018 22:15

Instrument :

MSVOA_F

ClientSampleId :

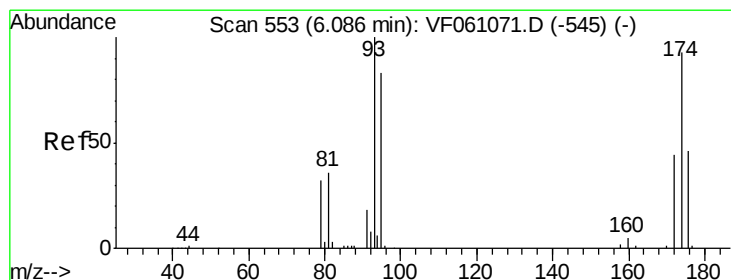
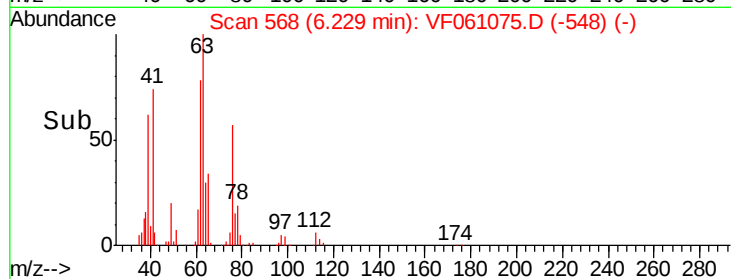
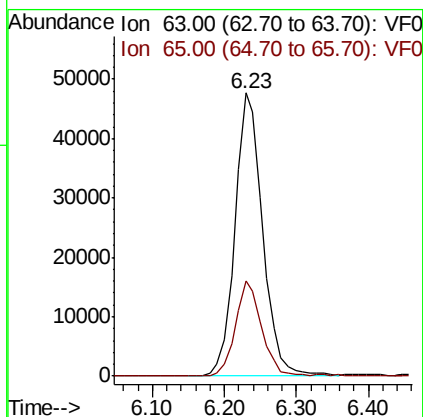
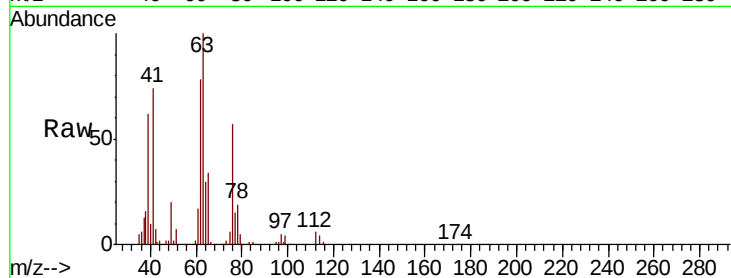
ICVVF121918

Tgt Ion: 63 Resp: 127482

Ion Ratio Lower Upper

63 100

65 33.7 24.4 36.6



#46

Dibromomethane

Concen: 51.750 ug/l

RT: 6.08 min Scan# 553

Delta R.T. -0.00 min

Lab File: VF061075.D

Acq: 18 Dec 2018 22:15

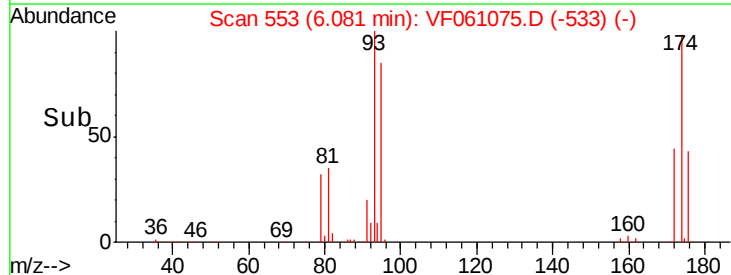
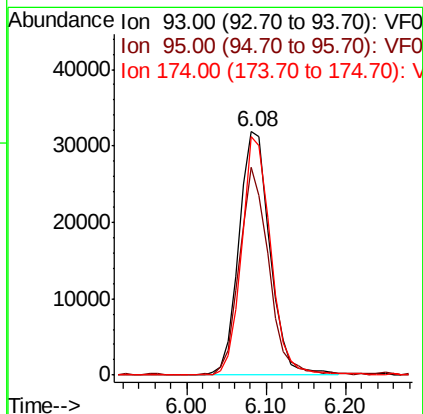
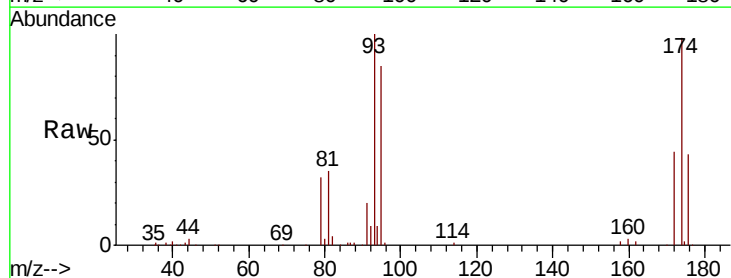
Tgt Ion: 93 Resp: 85716

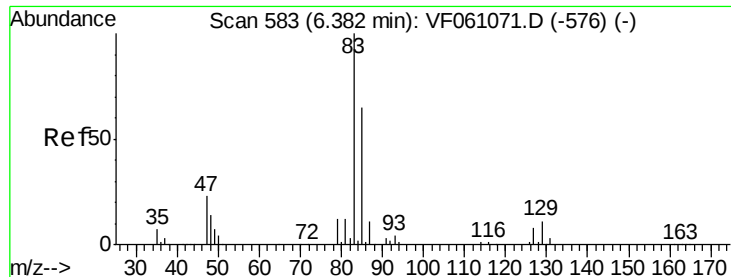
Ion Ratio Lower Upper

93 100

95 85.2 66.9 100.3

174 97.7 74.1 111.1





#47

Bromodichloromethane

Concen: 50.969 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.00 min

Lab File: VF061075.D

Acq: 18 Dec 2018 22:15

Instrument :

MSVOA_F

ClientSampleId :

ICVVF121918

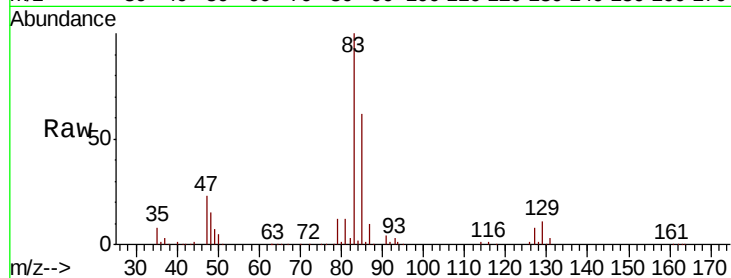
Tgt Ion: 83 Resp: 219351

Ion Ratio Lower Upper

83 100

85 62.1 52.2 78.4

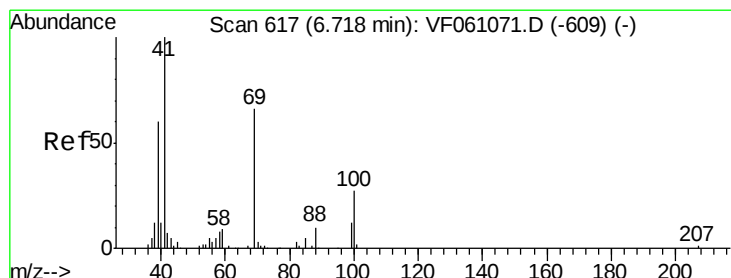
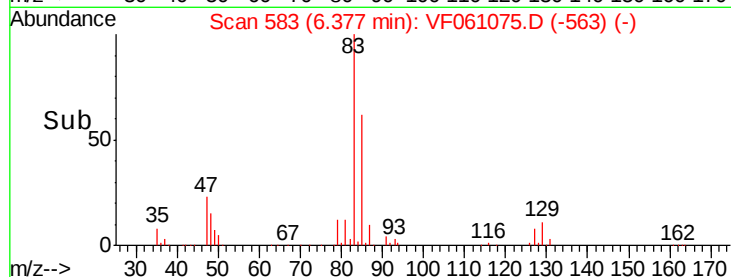
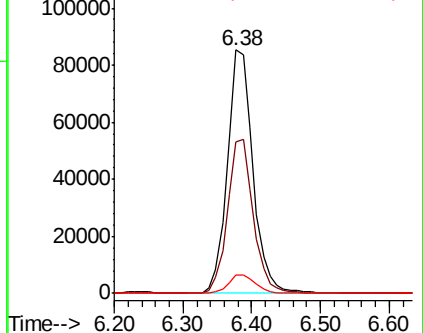
127 7.8 6.1 9.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 52.393 ug/l

RT: 6.71 min Scan# 617

Delta R.T. -0.00 min

Lab File: VF061075.D

Acq: 18 Dec 2018 22:15

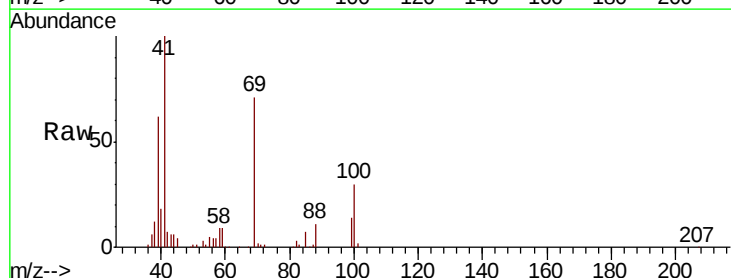
Tgt Ion: 41 Resp: 77087

Ion Ratio Lower Upper

41 100

69 71.0 52.7 79.1

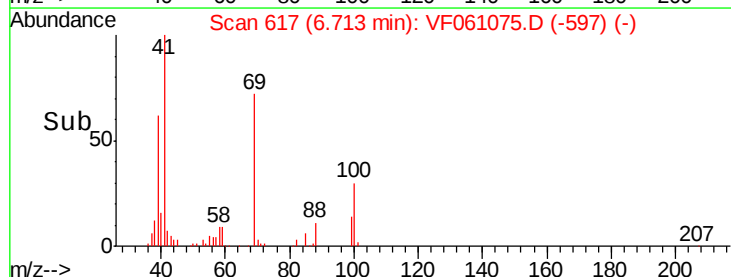
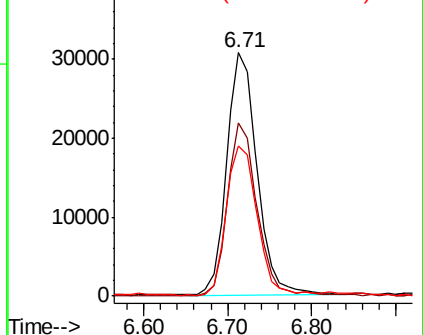
39 61.9 47.8 71.6

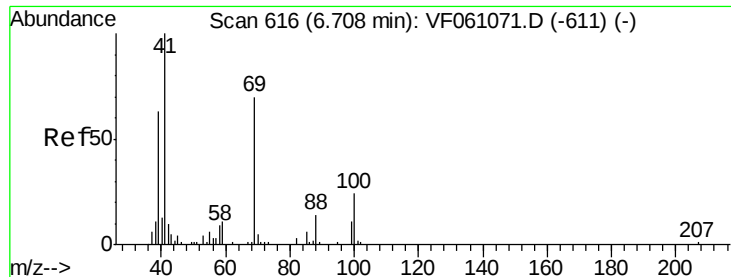


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

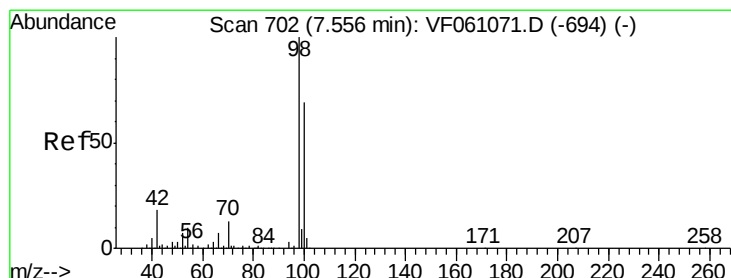
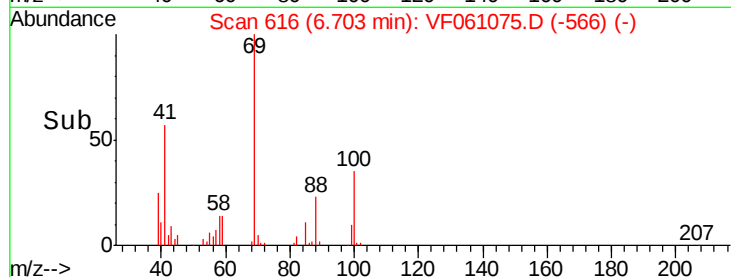
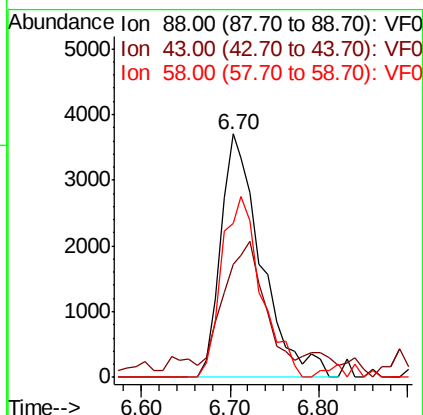
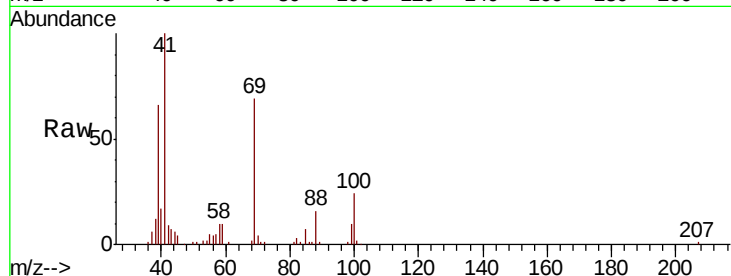




#49
1,4-Dioxane
Concen: 1100.995 ug/l
RT: 6.70 min Scan# 616
Delta R.T. -0.00 min
Lab File: VF061075.D
Acq: 18 Dec 2018 22:15

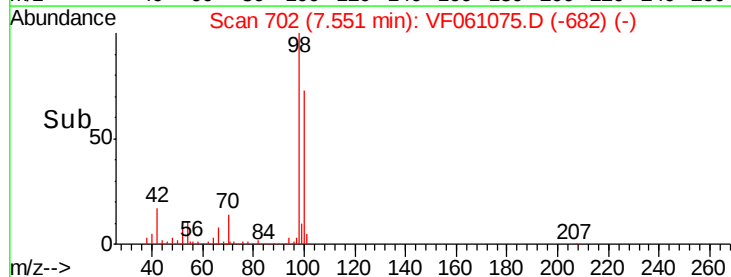
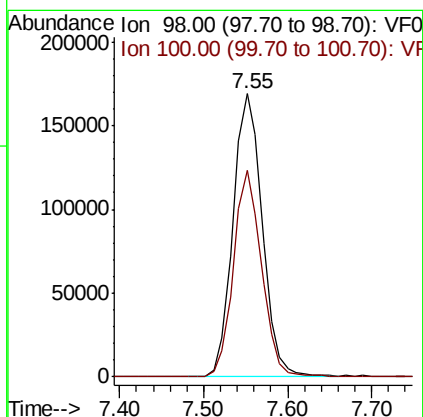
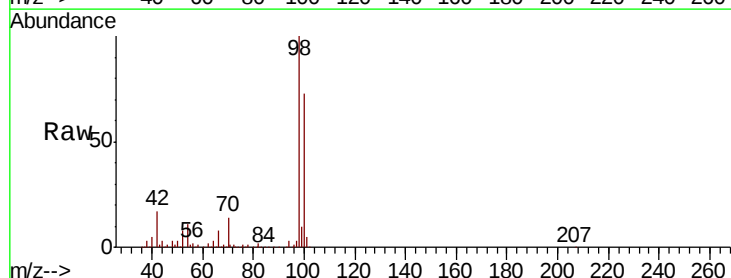
Instrument :
MSVOA_F
ClientSampleId :
ICVVF121918

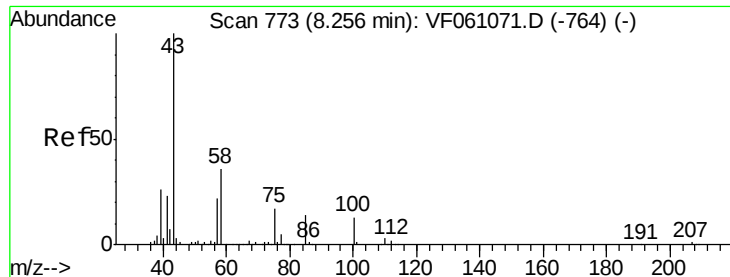
Tgt Ion: 88 Resp: 11754
Ion Ratio Lower Upper
88 100
43 46.5 33.3 49.9
58 63.0 53.2 79.8



#50
Toluene-d8
Concen: 49.998 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.00 min
Lab File: VF061075.D
Acq: 18 Dec 2018 22:15

Tgt Ion: 98 Resp: 410426
Ion Ratio Lower Upper
98 100
100 73.0 55.3 82.9





#51

4-Methyl-2-Pentanone

Concen: 255.201 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.00 min

Lab File: VF061075.D

Acq: 18 Dec 2018 22:15

Instrument :

MSVOA_F

ClientSampleId :

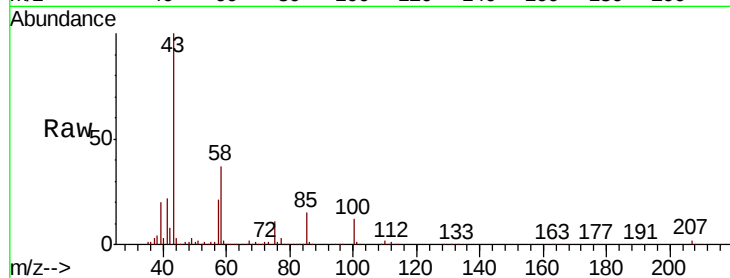
ICVVF121918

Tgt Ion: 43 Resp: 368873

Ion Ratio Lower Upper

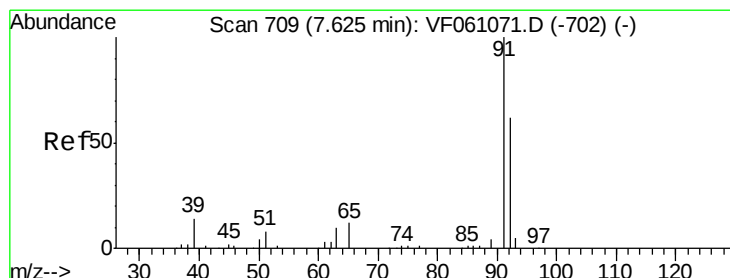
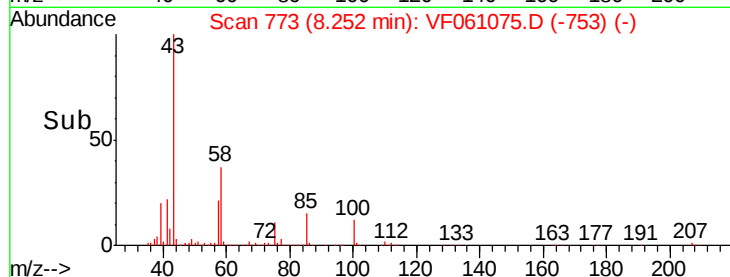
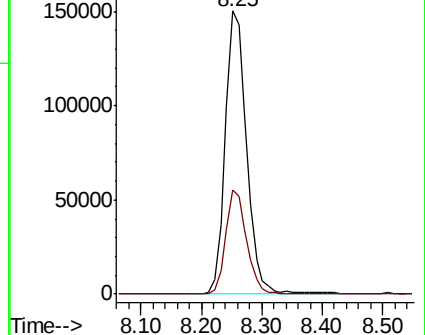
43 100

58 36.8 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: 49.966 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.00 min

Lab File: VF061075.D

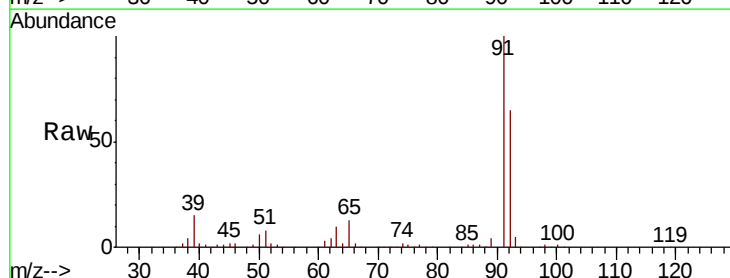
Acq: 18 Dec 2018 22:15

Tgt Ion: 92 Resp: 310463

Ion Ratio Lower Upper

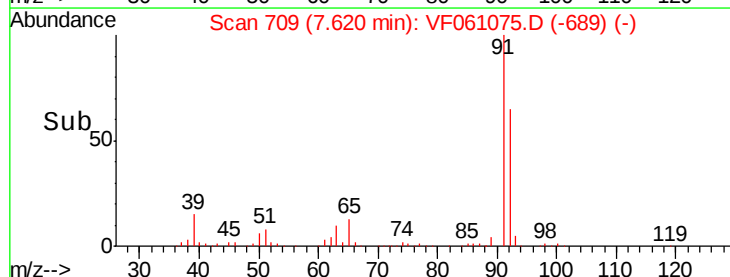
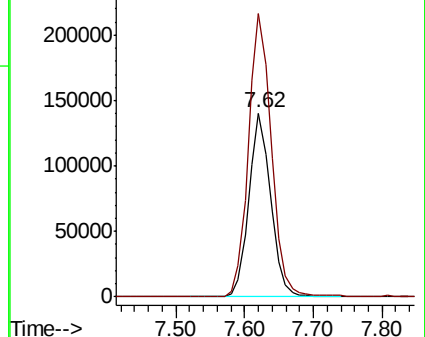
92 100

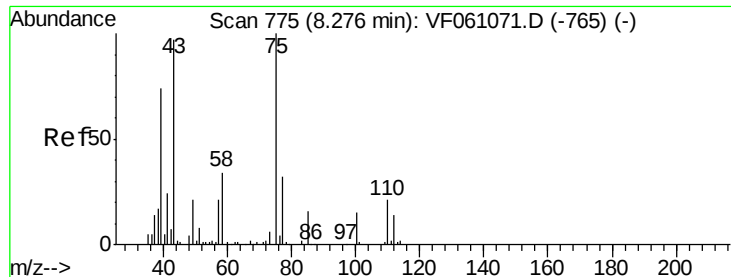
91 153.8 128.8 193.2



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: 50.379 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.00 min

Lab File: VF061075.D

Acq: 18 Dec 2018 22:15

Instrument :

MSVOA_F

ClientSampleId :

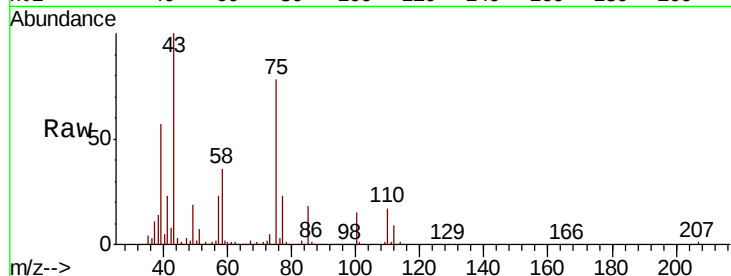
ICVVF121918

Tgt Ion: 75 Resp: 174904

Ion Ratio Lower Upper

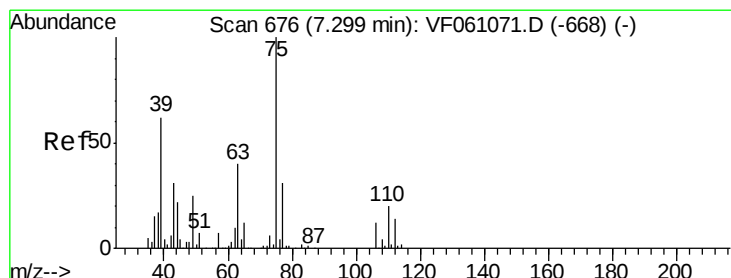
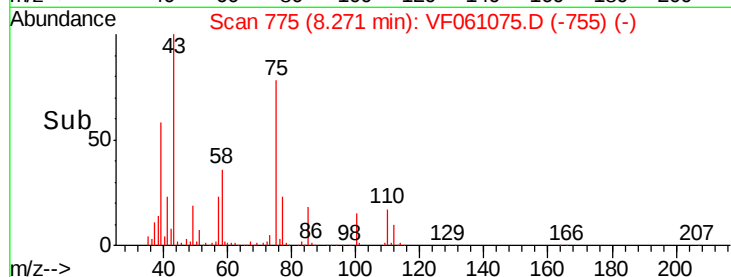
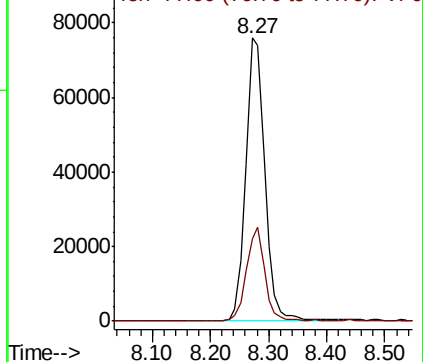
75 100

77 29.0 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 49.582 ug/l

RT: 7.29 min Scan# 676

Delta R.T. -0.00 min

Lab File: VF061075.D

Acq: 18 Dec 2018 22:15

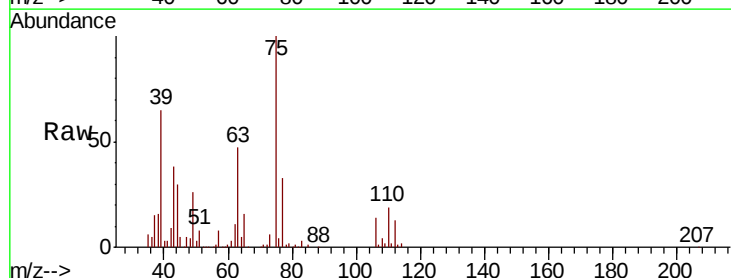
Tgt Ion: 75 Resp: 216047

Ion Ratio Lower Upper

75 100

77 33.5 25.0 37.4

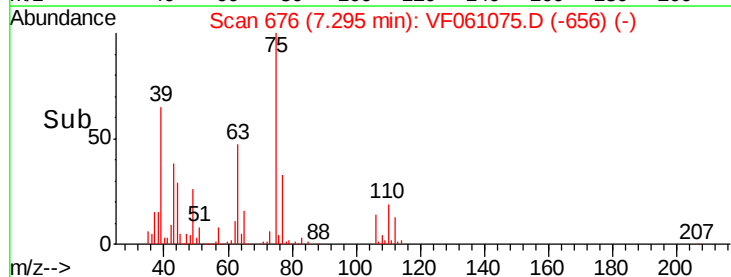
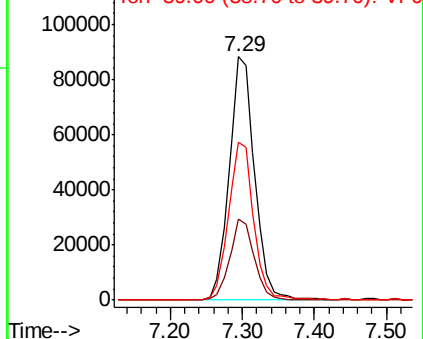
39 64.8 50.1 75.1

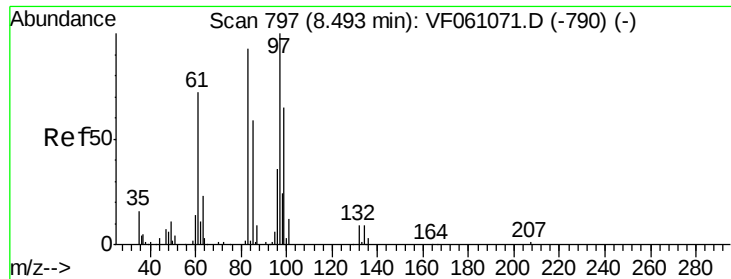


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 49.980 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF061075.D

Acq: 18 Dec 2018 22:15

Instrument :

MSVOA_F

ClientSampleId :

ICVVF121918

Tgt Ion: 97 Resp: 93097

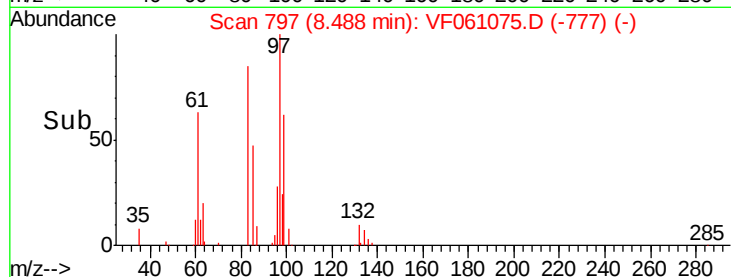
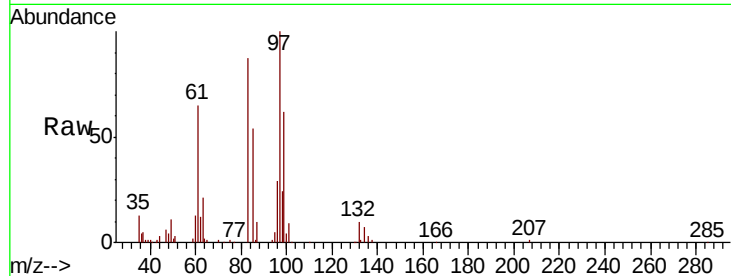
Ion	Ratio	Lower	Upper
97	100		
83	87.1	75.0	112.4
85	54.3	47.5	71.3
99	61.7	51.9	77.9

97 100

83 87.1 75.0 112.4

85 54.3 47.5 71.3

99 61.7 51.9 77.9

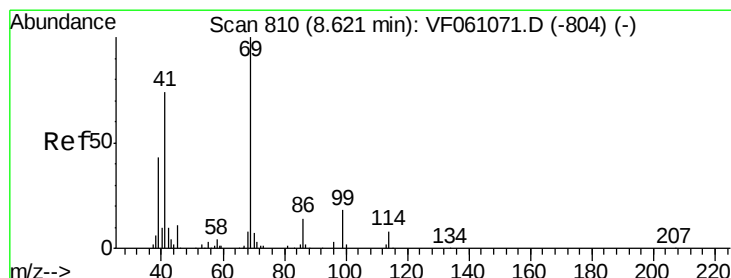
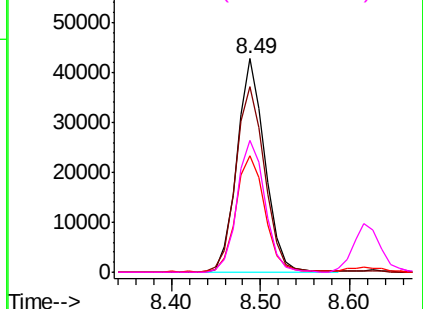


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 51.157 ug/l

RT: 8.62 min Scan# 810

Delta R.T. -0.00 min

Lab File: VF061075.D

Acq: 18 Dec 2018 22:15

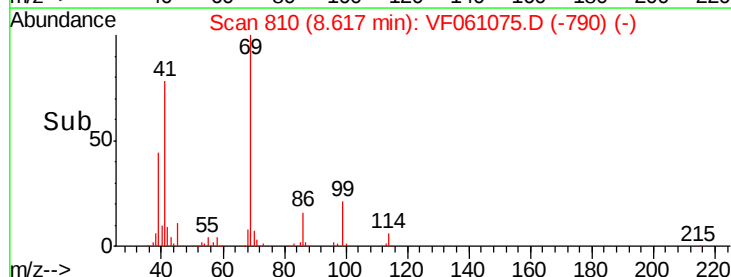
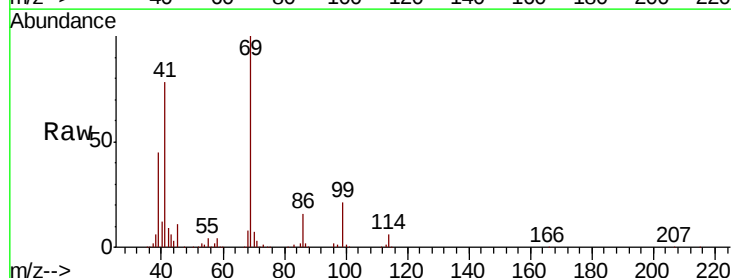
Tgt Ion: 69 Resp: 103111

Ion	Ratio	Lower	Upper
69	100		
41	78.2	59.7	89.5
39	44.6	35.0	52.6

69 100

41 78.2 59.7 89.5

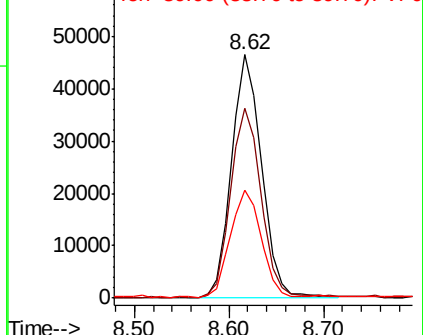
39 44.6 35.0 52.6

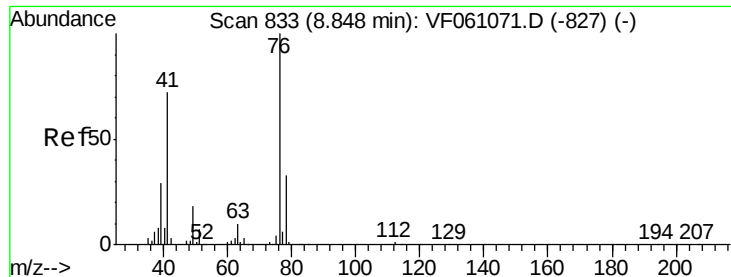


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 51.029 ug/l

RT: 8.85 min Scan# 834

Delta R.T. 0.01 min

Lab File: VF061075.D

Acq: 18 Dec 2018 22:15

Instrument :

MSVOA_F

ClientSampleId :

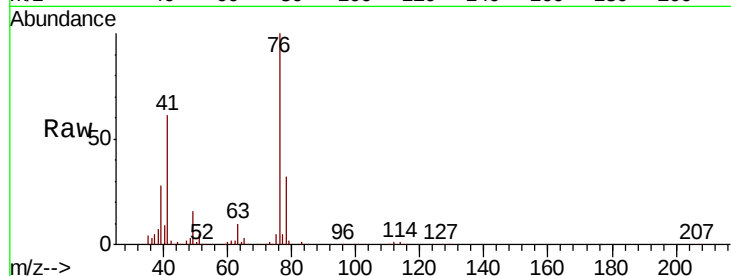
ICVVF121918

Tgt Ion: 76 Resp: 171914

Ion Ratio Lower Upper

76 100

78 32.5 26.5 39.7



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

8.85

80000

60000

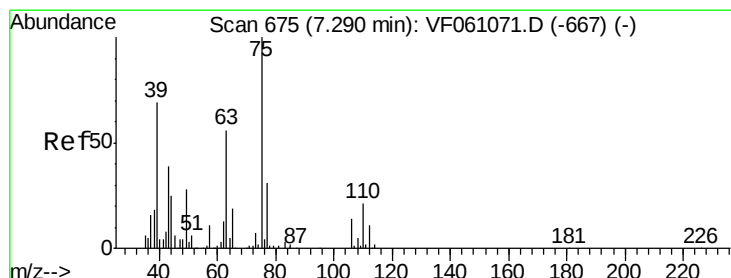
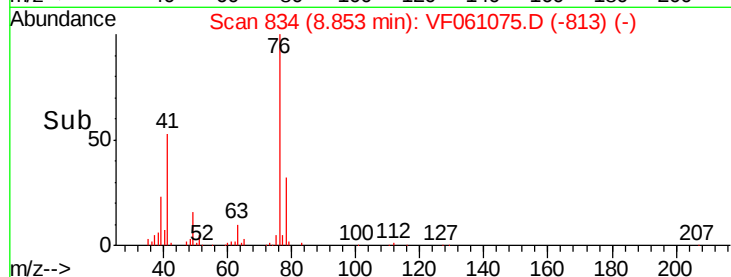
40000

20000

0

Time-->

8.70 8.80 8.90 9.00



#58

2-Chloroethyl Vinyl ether

Concen: 248.899 ug/l

RT: 7.29 min Scan# 676

Delta R.T. 0.01 min

Lab File: VF061075.D

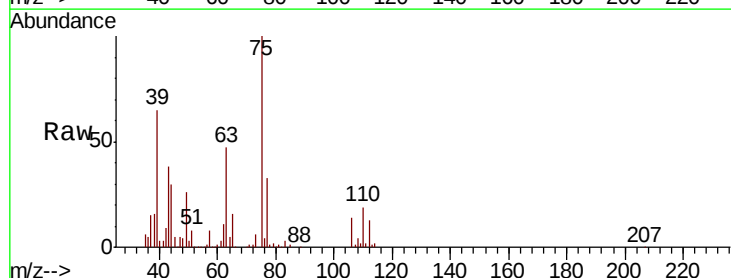
Acq: 18 Dec 2018 22:15

Tgt Ion: 63 Resp: 96351

Ion Ratio Lower Upper

63 100

106 30.4 19.8 29.8#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

7.29

40000

30000

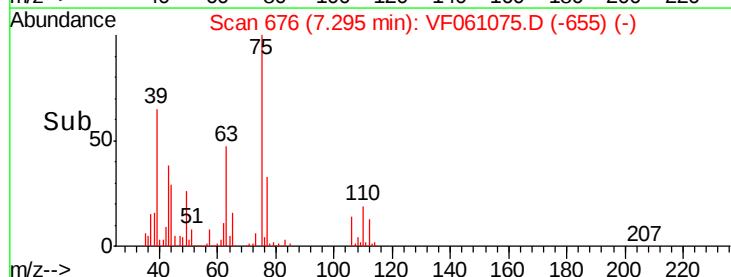
20000

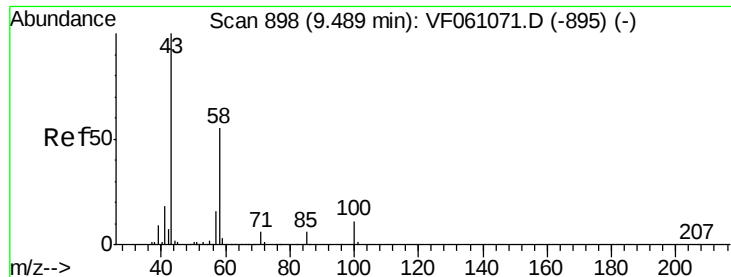
10000

0

Time-->

7.20 7.30 7.40

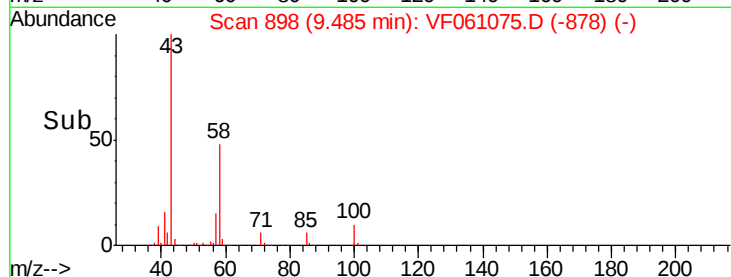
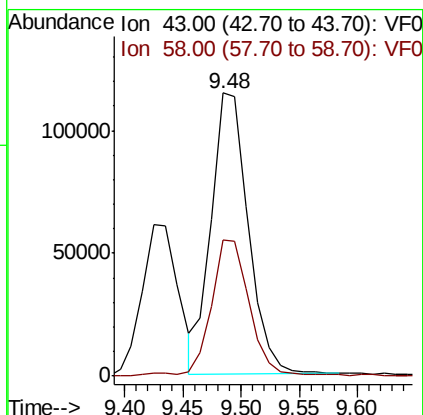
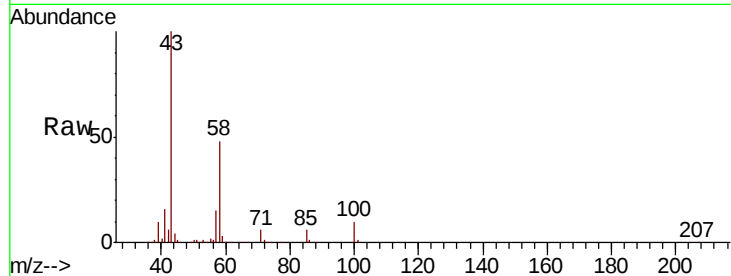




#59
2-Hexanone
Concen: 242.898 ug/l
RT: 9.48 min Scan# 898
Delta R.T. -0.00 min
Lab File: VF061075.D
Acq: 18 Dec 2018 22:15

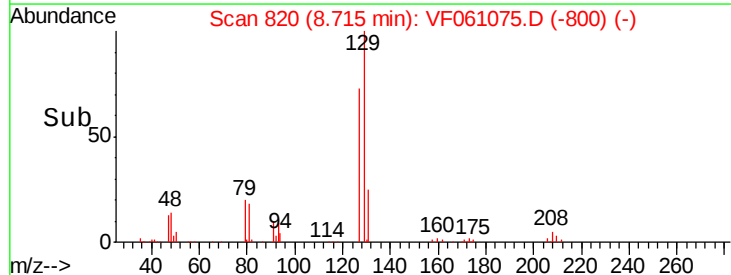
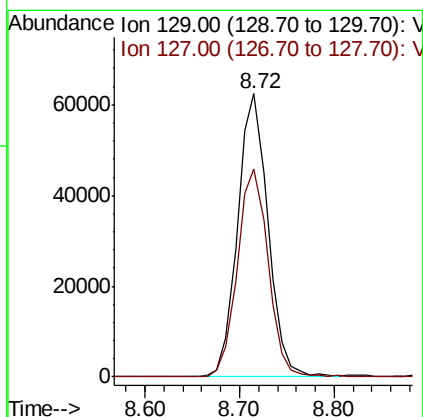
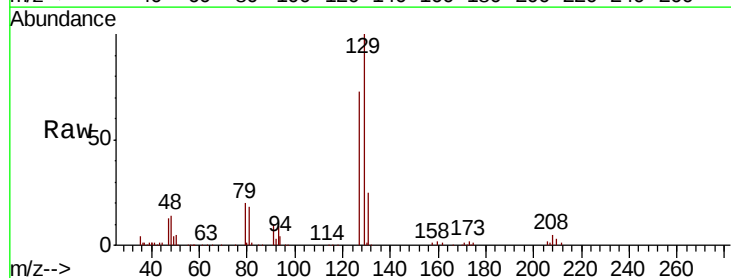
Instrument :
MSVOA_F
ClientSampleId :
ICVVF121918

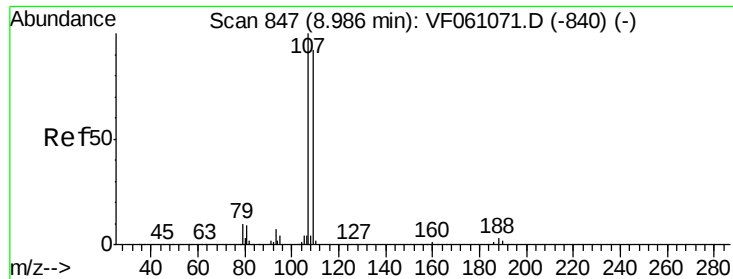
Tgt Ion: 43 Resp: 253900
Ion Ratio Lower Upper
43 100
58 48.1 25.1 75.2



#60
Dibromochloromethane
Concen: 52.043 ug/l
RT: 8.72 min Scan# 820
Delta R.T. -0.00 min
Lab File: VF061075.D
Acq: 18 Dec 2018 22:15

Tgt Ion: 129 Resp: 138962
Ion Ratio Lower Upper
129 100
127 73.3 36.8 110.3





#61

1,2-Dibromoethane

Concen: 51.831 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.00 min

Lab File: VF061075.D

Acq: 18 Dec 2018 22:15

Instrument :

MSVOA_F

ClientSampleId :

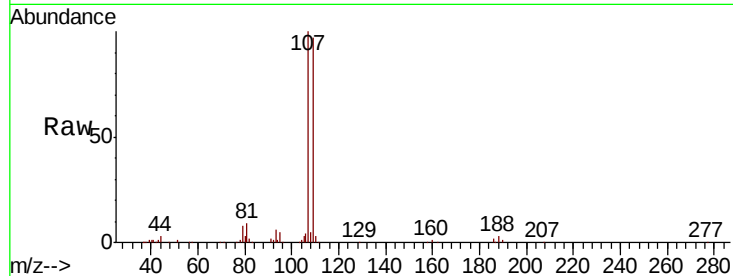
ICVVF121918

Tgt Ion: 107 Resp: 103111

Ion Ratio Lower Upper

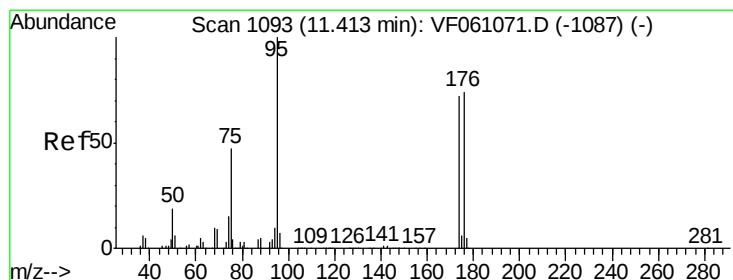
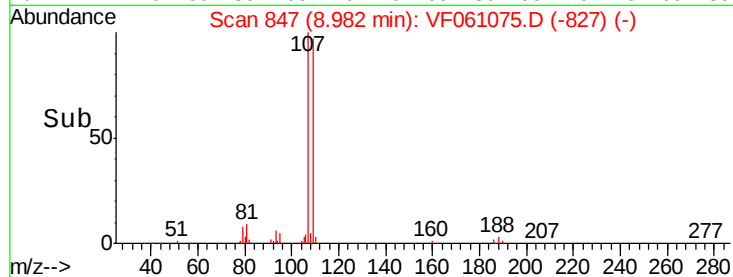
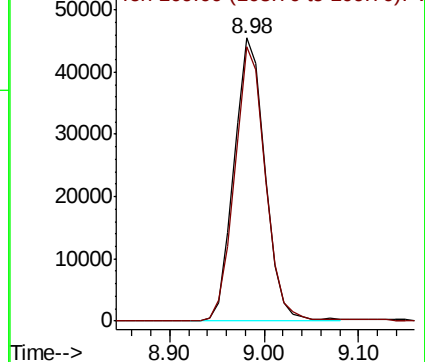
107 100

109 96.8 73.7 110.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 47.006 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VF061075.D

Acq: 18 Dec 2018 22:15

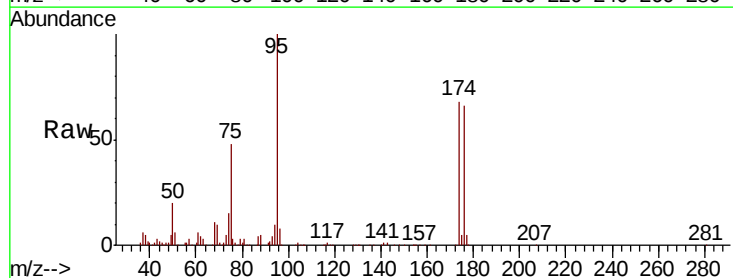
Tgt Ion: 95 Resp: 177891

Ion Ratio Lower Upper

95 100

174 68.2 0.0 143.8

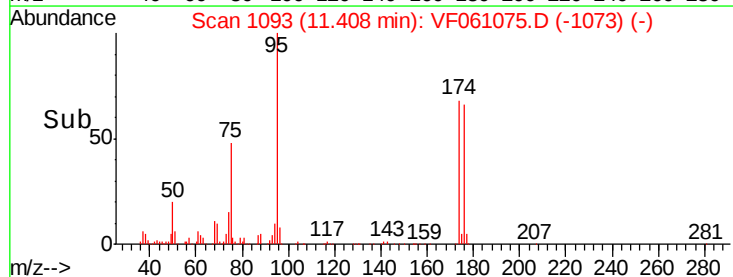
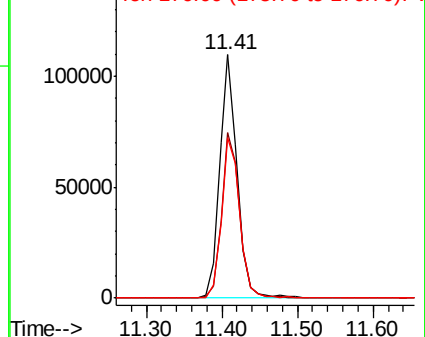
176 65.9 0.0 147.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

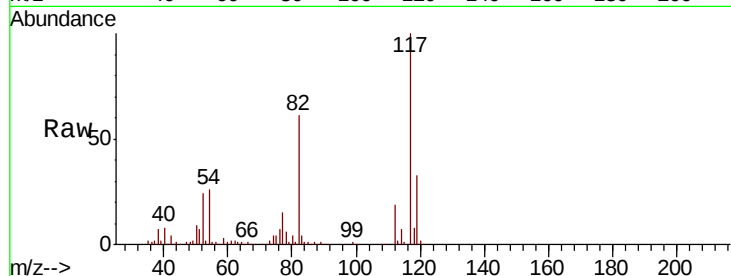




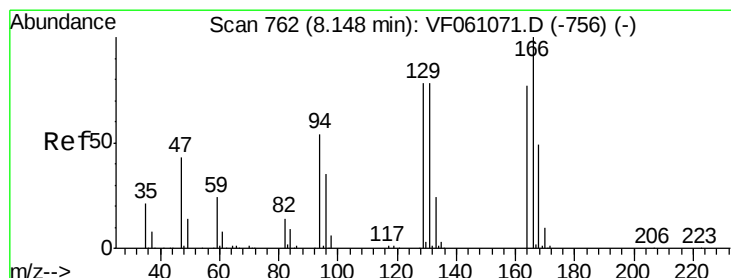
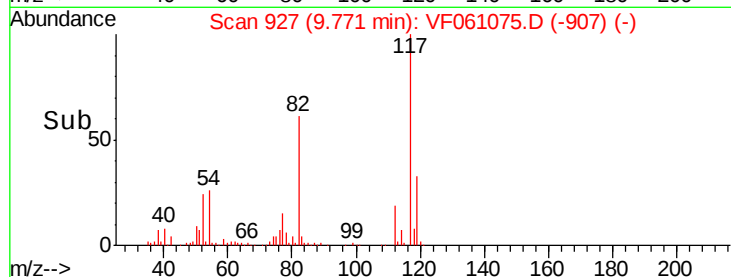
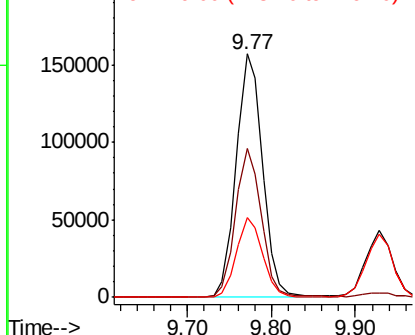
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.00 min
Lab File: VF061075.D
Acq: 18 Dec 2018 22:15

Instrument :
MSVOA_F
ClientSampleId :
ICVVF121918

Tgt Ion:117 Resp: 345902
Ion Ratio Lower Upper
117 100
82 61.4 45.0 67.4
119 33.0 24.8 37.2

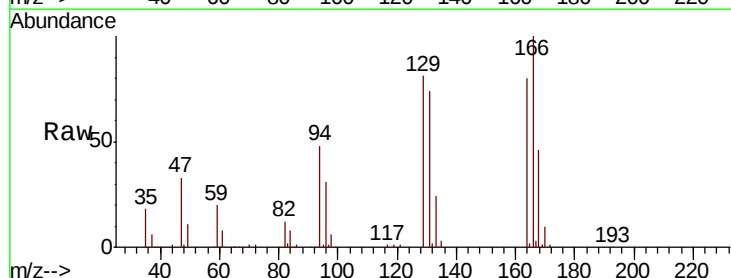


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

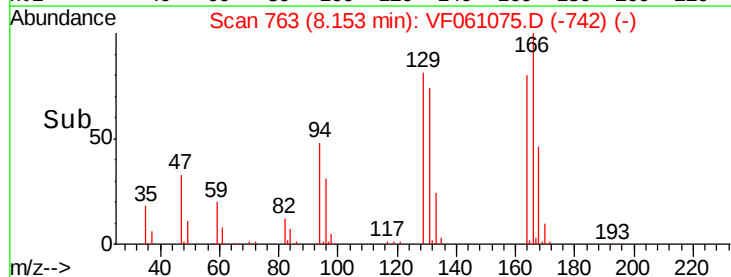
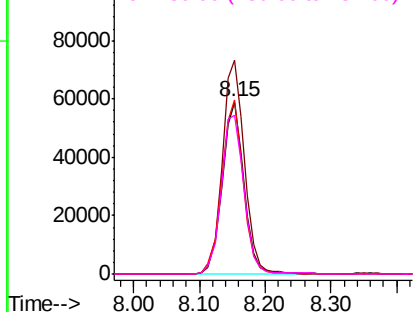


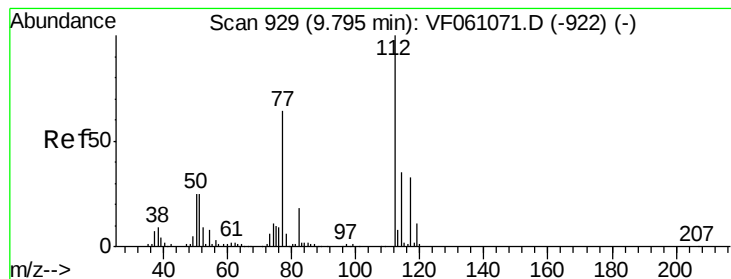
#64
Tetrachloroethene
Concen: 50.754 ug/l
RT: 8.15 min Scan# 763
Delta R.T. 0.01 min
Lab File: VF061075.D
Acq: 18 Dec 2018 22:15

Tgt Ion:164 Resp: 135051
Ion Ratio Lower Upper
164 100
166 124.5 104.0 156.0
129 101.3 81.1 121.7
131 92.5 81.2 121.8



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





#65

Chlorobenzene

Concen: 49.243 ug/l

RT: 9.80 min Scan# 930

Delta R.T. 0.01 min

Lab File: VF061075.D

Acq: 18 Dec 2018 22:15

Instrument :

MSVOA_F

ClientSampleId :

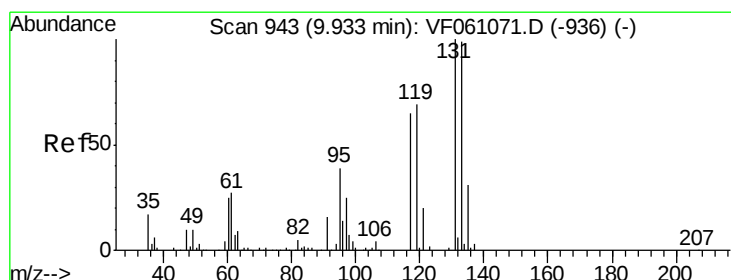
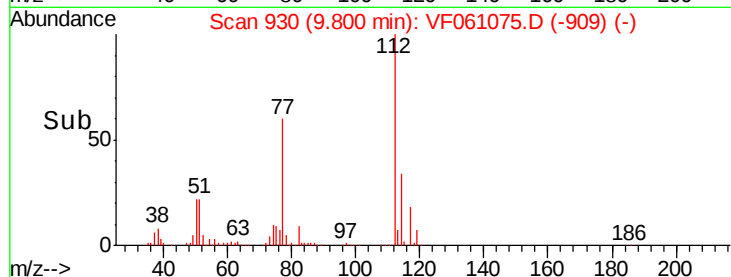
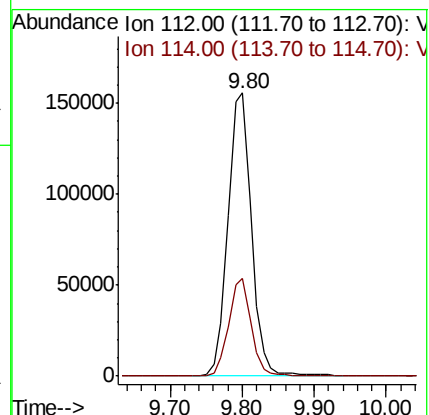
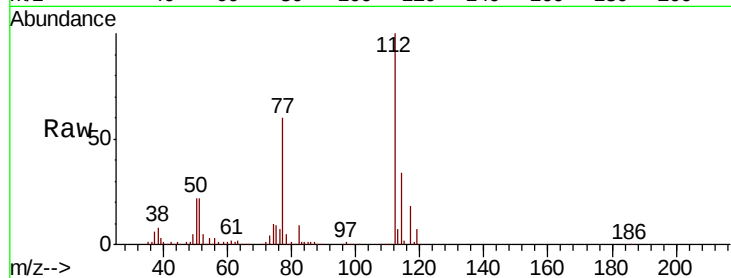
ICVVF121918

Tgt Ion:112 Resp: 351880

Ion Ratio Lower Upper

112 100

114 34.4 27.8 41.6



#66

1,1,1,2-Tetrachloroethane

Concen: 47.982 ug/l

RT: 9.93 min Scan# 943

Delta R.T. -0.00 min

Lab File: VF061075.D

Acq: 18 Dec 2018 22:15

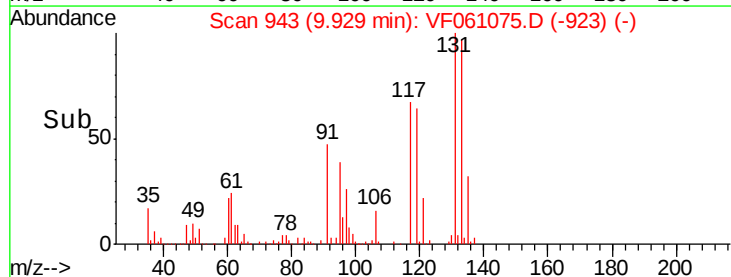
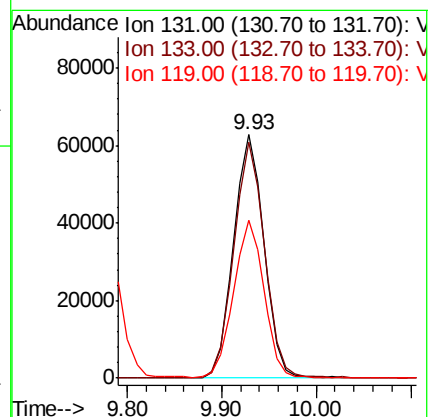
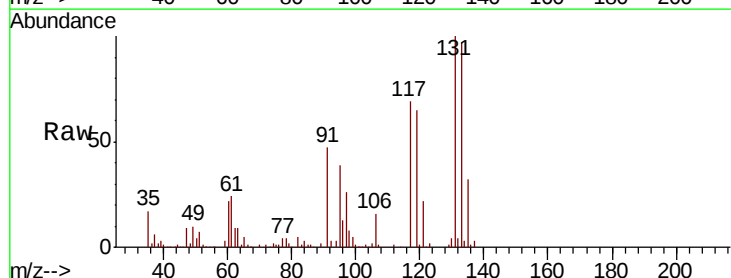
Tgt Ion:131 Resp: 140118

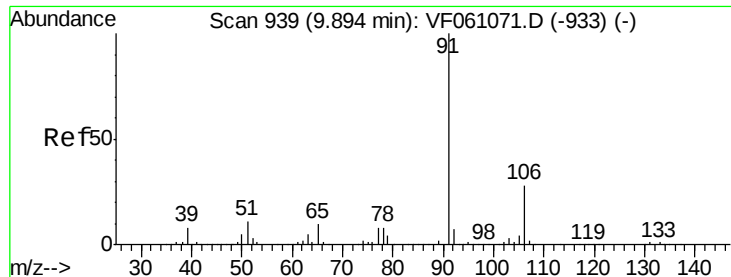
Ion Ratio Lower Upper

131 100

133 97.1 49.5 148.7

119 64.7 34.5 103.5





#67

Ethyl Benzene

Concen: 48.990 ug/l

RT: 9.90 min Scan# 940

Delta R.T. 0.01 min

Lab File: VF061075.D

Acq: 18 Dec 2018 22:15

Instrument :

MSVOA_F

ClientSampleId :

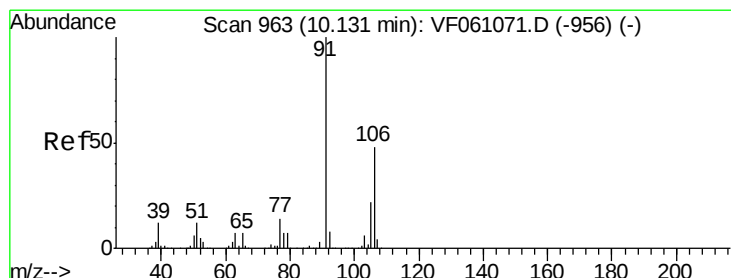
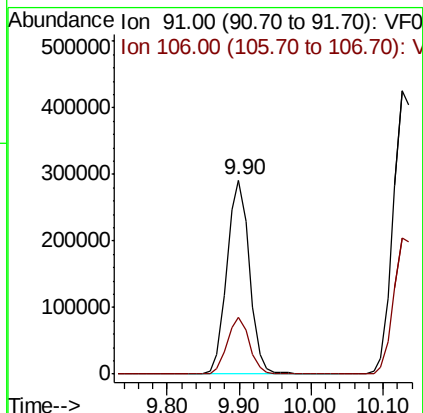
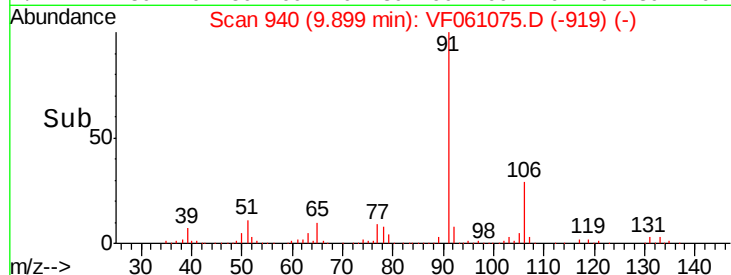
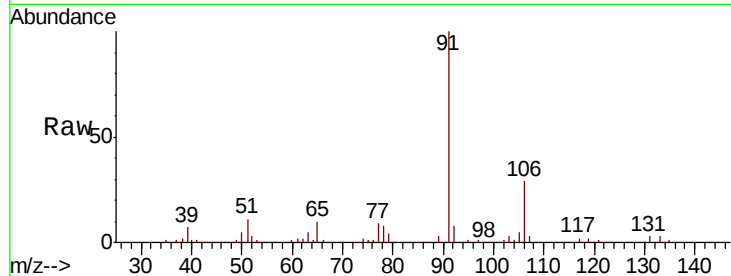
ICVVF121918

Tgt Ion: 91 Resp: 637768

Ion Ratio Lower Upper

91 100

106 29.0 22.5 33.7



#68

m/p-Xylenes

Concen: 99.056 ug/l

RT: 10.13 min Scan# 963

Delta R.T. -0.00 min

Lab File: VF061075.D

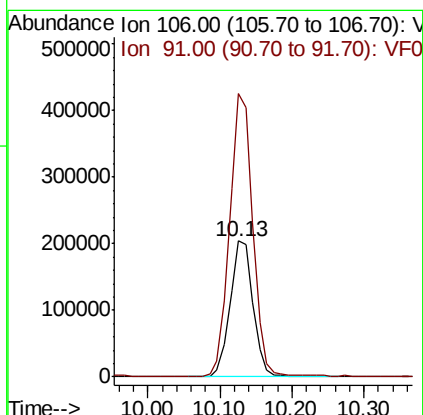
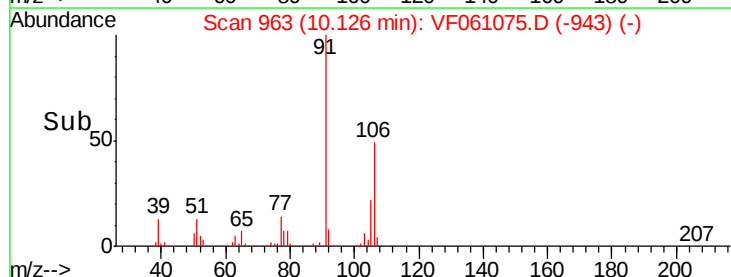
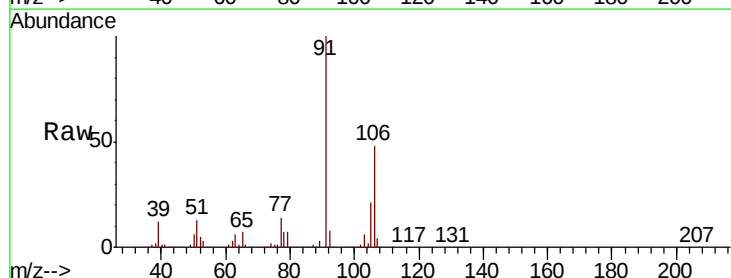
Acq: 18 Dec 2018 22:15

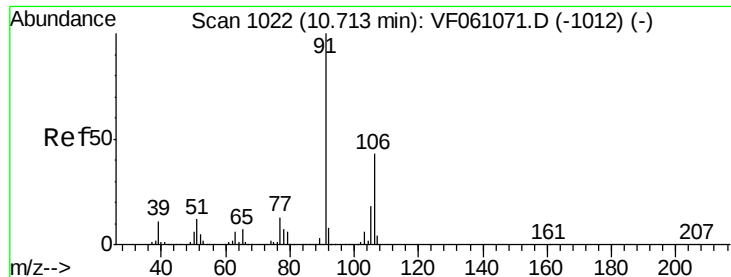
Tgt Ion: 106 Resp: 453822

Ion Ratio Lower Upper

106 100

91 208.0 168.2 252.2

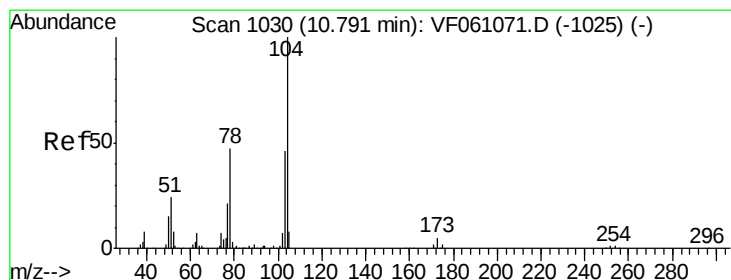
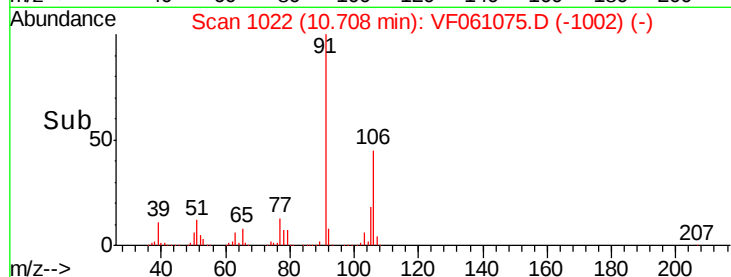
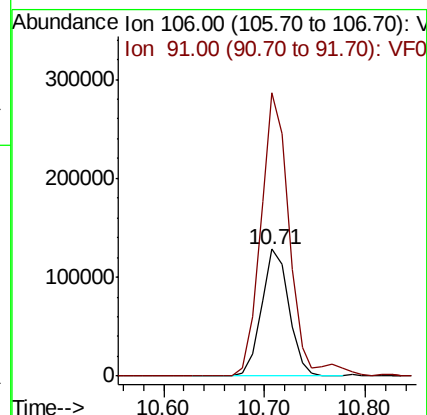
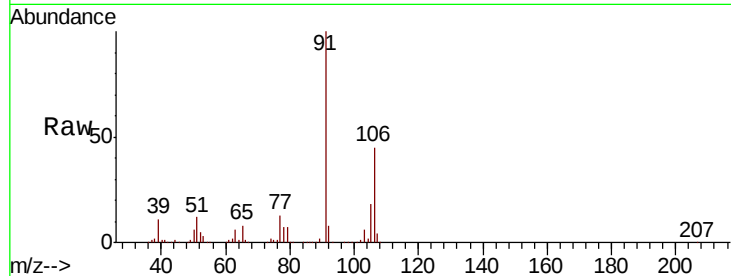




#69
o-Xylene
Concen: 48.411 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.00 min
Lab File: VF061075.D
Acq: 18 Dec 2018 22:15

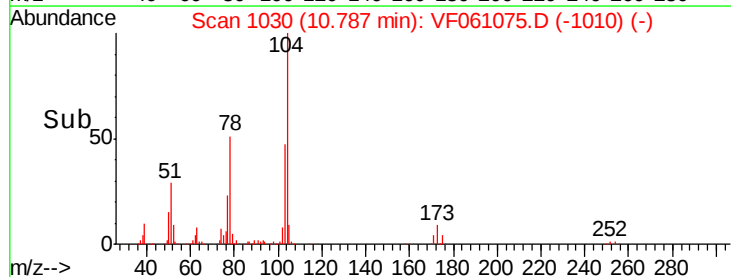
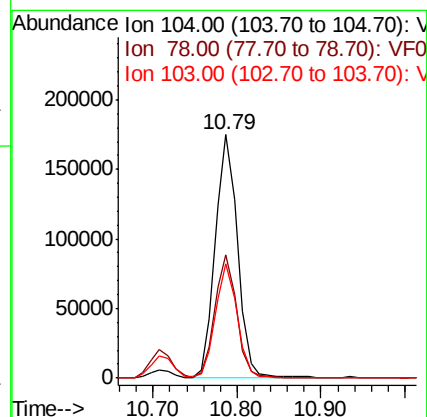
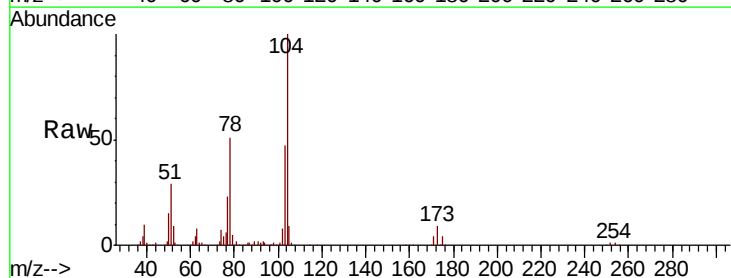
Instrument :
MSVOA_F
ClientSampleId :
ICVVF121918

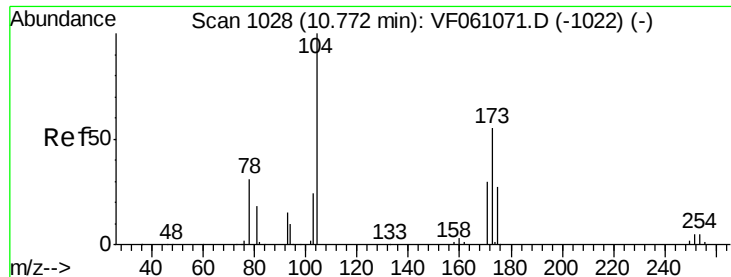
Tgt Ion:106 Resp: 245986
Ion Ratio Lower Upper
106 100
91 223.3 115.9 347.7



#70
Styrene
Concen: 51.910 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VF061075.D
Acq: 18 Dec 2018 22:15

Tgt Ion:104 Resp: 320252
Ion Ratio Lower Upper
104 100
78 50.8 38.4 57.6
103 46.9 37.0 55.6

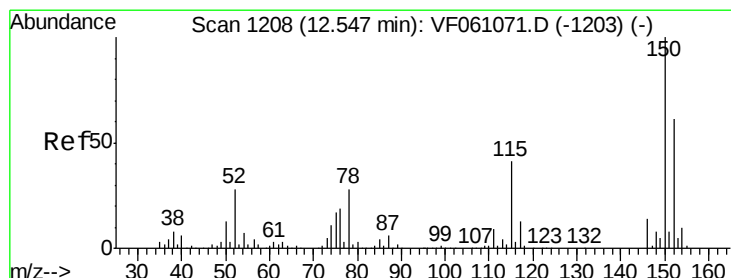
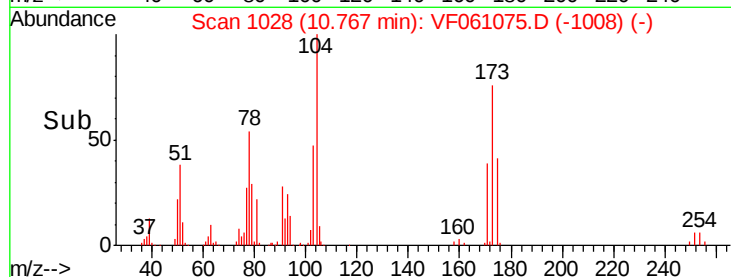
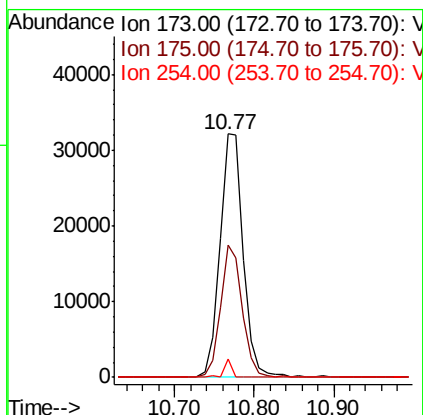
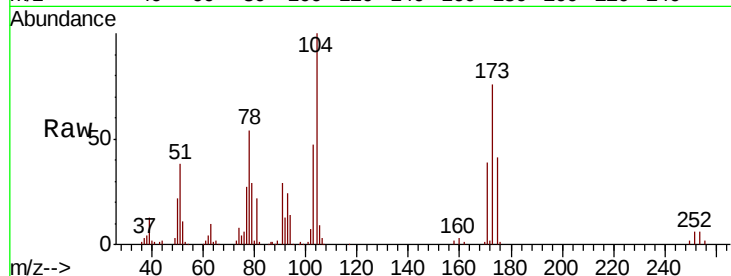




#71
Bromoform
Concen: 49.058 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.00 min
Lab File: VF061075.D
Acq: 18 Dec 2018 22:15

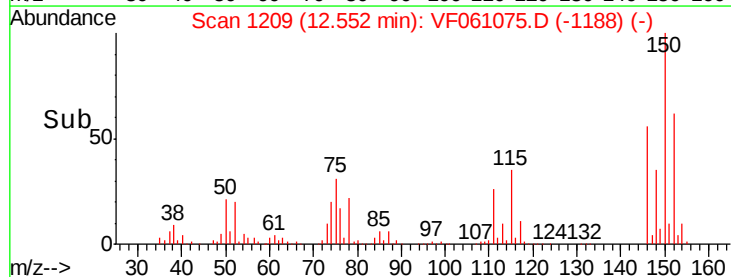
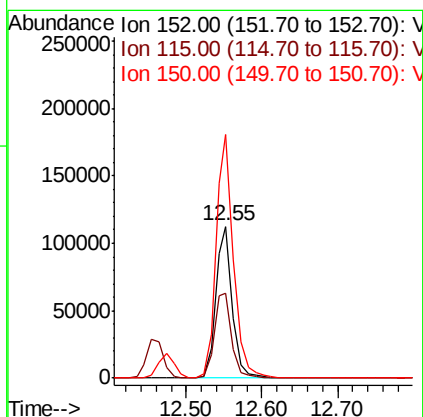
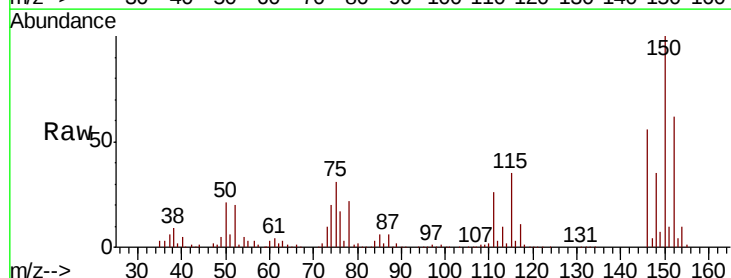
Instrument :
MSVOA_F
ClientSampleId :
ICVVF121918

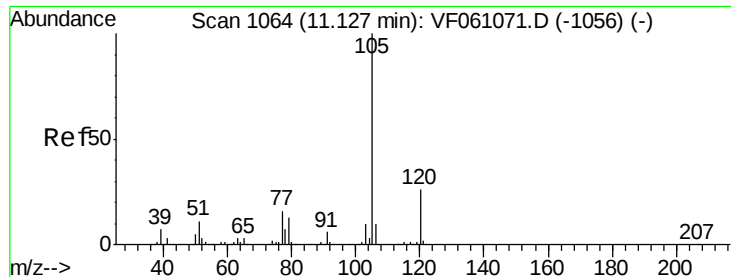
Tgt Ion:173 Resp: 66279
Ion Ratio Lower Upper
173 100
175 54.4 24.8 74.4
254 7.4 0.0 0.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. 0.01 min
Lab File: VF061075.D
Acq: 18 Dec 2018 22:15

Tgt Ion:152 Resp: 172092
Ion Ratio Lower Upper
152 100
115 55.5 33.3 99.9
150 160.1 0.0 328.2





#73

Isopropylbenzene

Concen: 46.771 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VF061075.D

Acq: 18 Dec 2018 22:15

Instrument :

MSVOA_F

ClientSampleId :

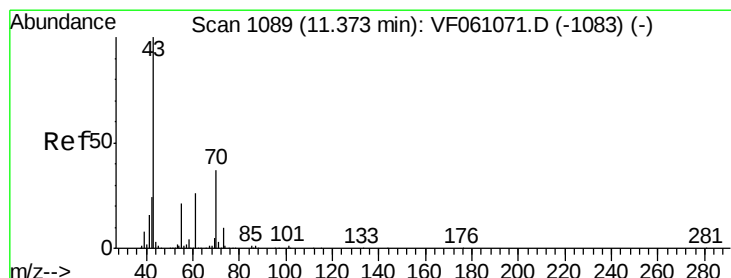
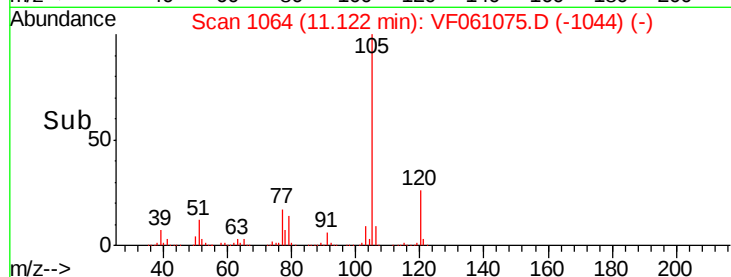
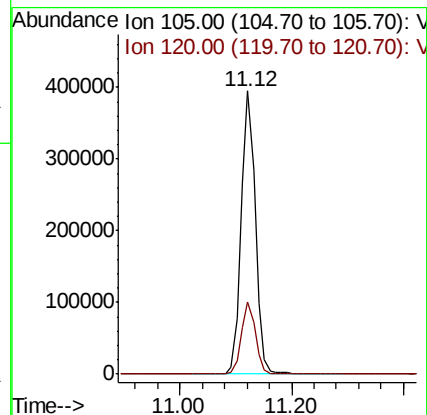
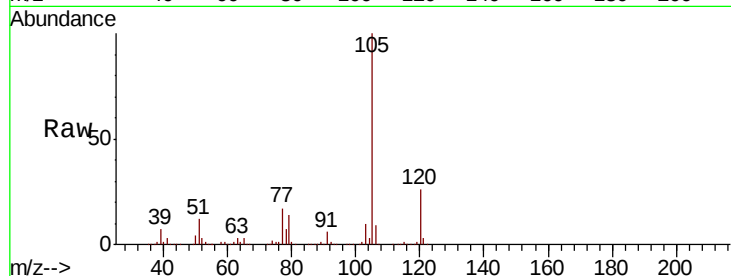
ICVVF121918

Tgt Ion: 105 Resp: 693624

Ion Ratio Lower Upper

105 100

120 25.6 13.0 39.0



#74

N-ethyl acetate

Concen: 49.334 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VF061075.D

Acq: 18 Dec 2018 22:15

Tgt Ion: 43 Resp: 162433

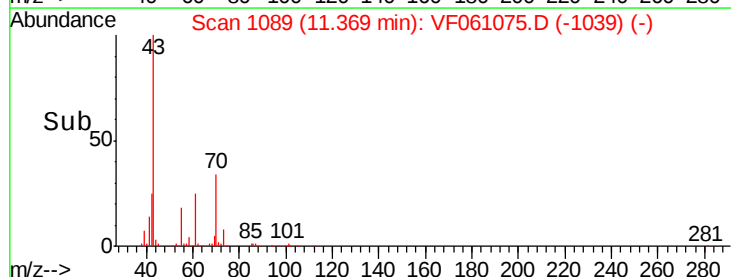
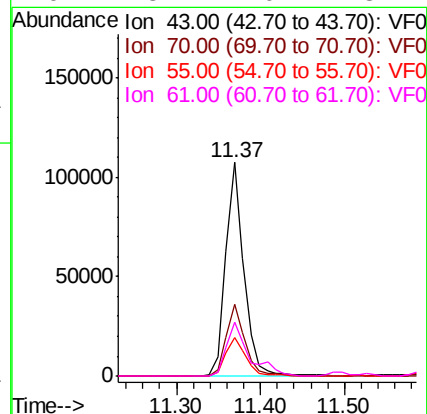
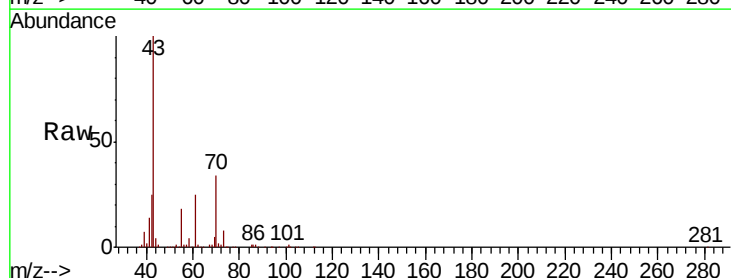
Ion Ratio Lower Upper

43 100

70 33.6 29.2 43.8

55 18.0 16.5 24.7

61 25.1 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 48.039 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF061075.D

Acq: 18 Dec 2018 22:15

Instrument :

MSVOA_F

ClientSampleId :

ICVVF121918

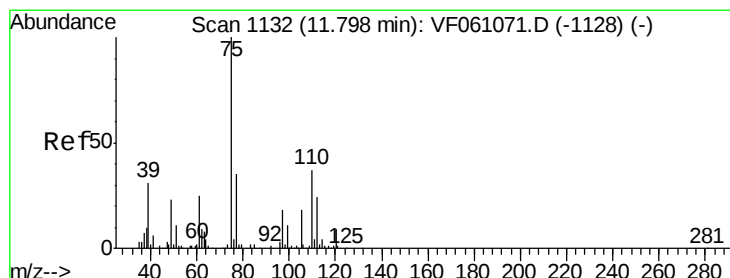
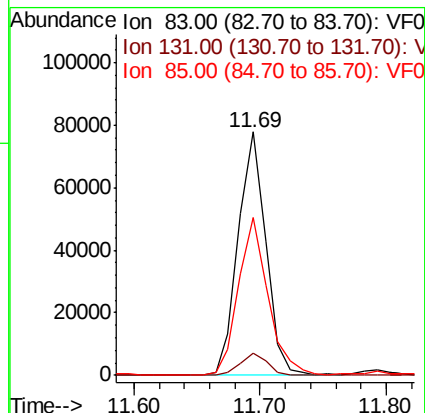
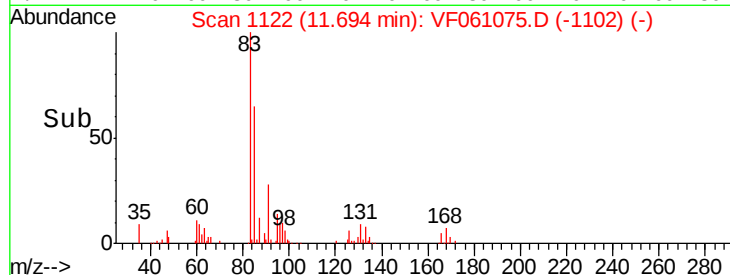
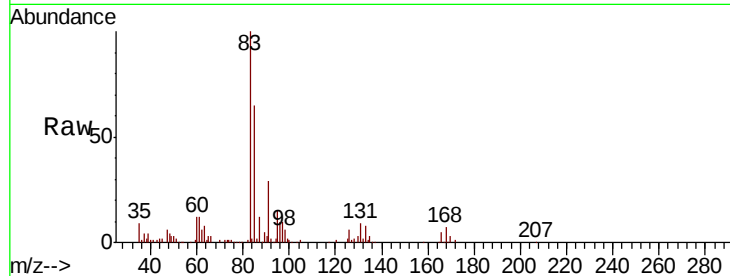
Tgt Ion: 83 Resp: 118240

Ion Ratio Lower Upper

83 100

131 9.3 4.8 14.3

85 64.6 33.9 101.6



#76

1,2,3-Trichloropropane

Concen: 47.332 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF061075.D

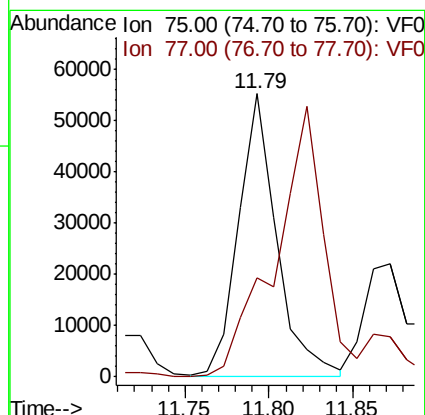
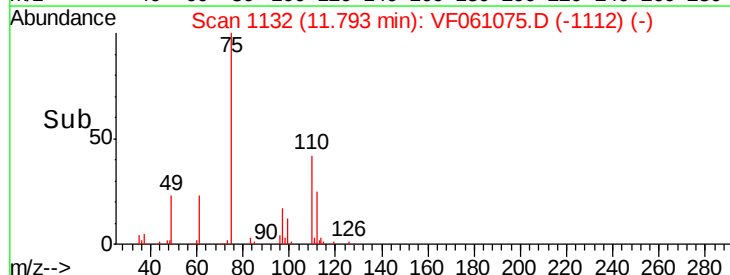
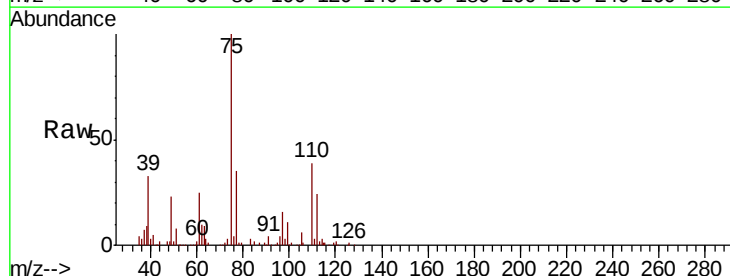
Acq: 18 Dec 2018 22:15

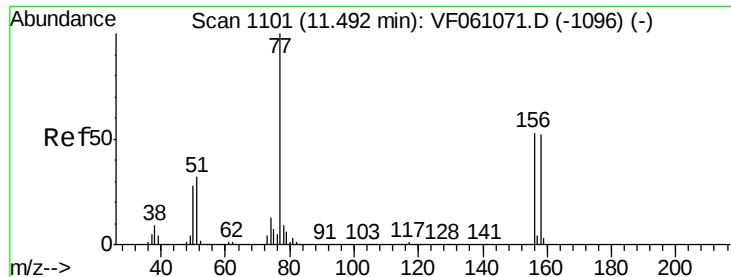
Tgt Ion: 75 Resp: 86698

Ion Ratio Lower Upper

75 100

77 35.1 17.6 52.9





#77

Bromobenzene

Concen: 49.144 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VF061075.D

Acq: 18 Dec 2018 22:15

Instrument :

MSVOA_F

ClientSampleId :

ICVVF121918

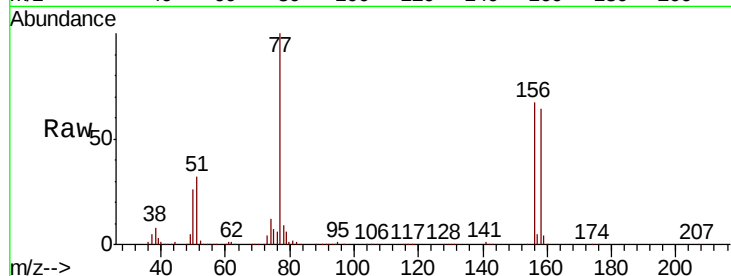
Tgt Ion: 156 Resp: 156888

Ion Ratio Lower Upper

156 100

77 149.8 93.8 281.4

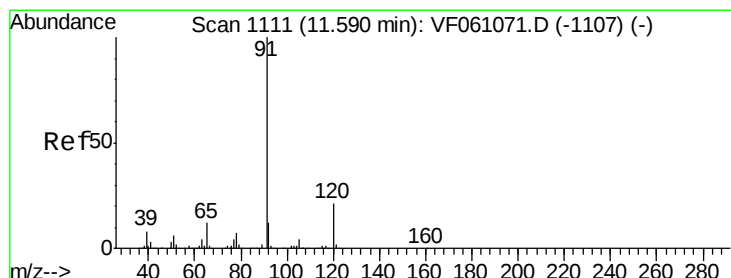
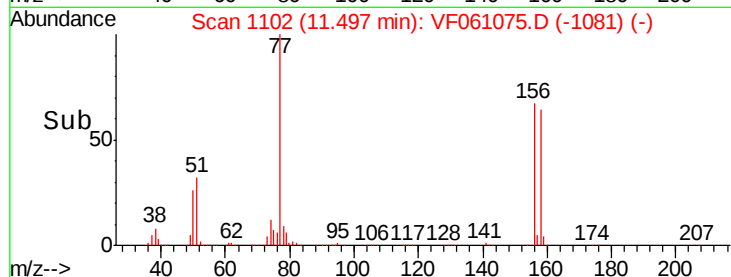
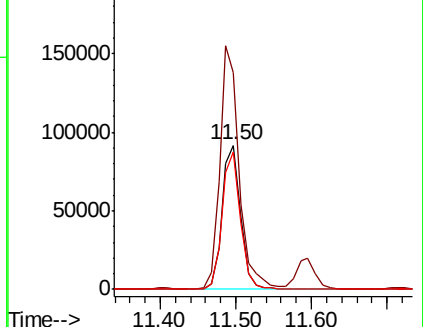
158 95.5 48.9 146.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 47.046 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VF061075.D

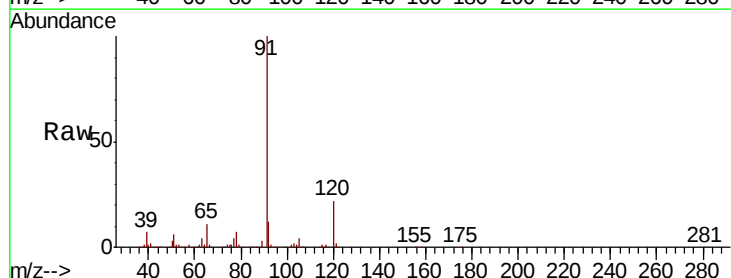
Acq: 18 Dec 2018 22:15

Tgt Ion: 91 Resp: 813163

Ion Ratio Lower Upper

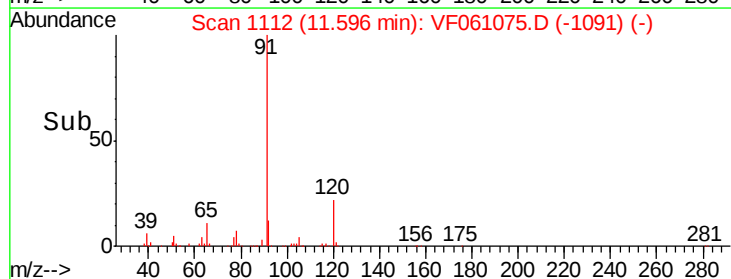
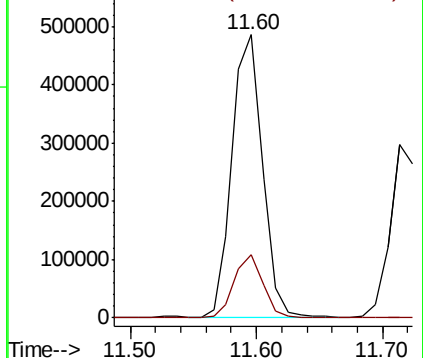
91 100

120 22.1 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

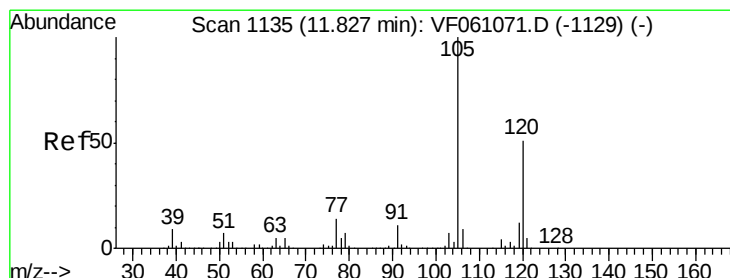
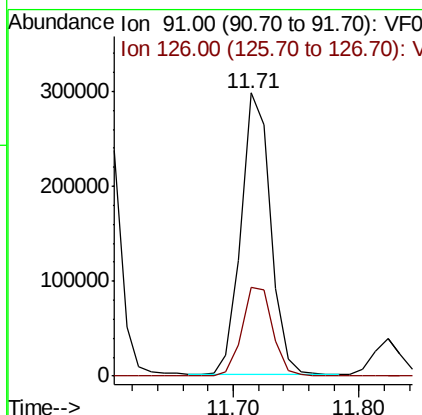
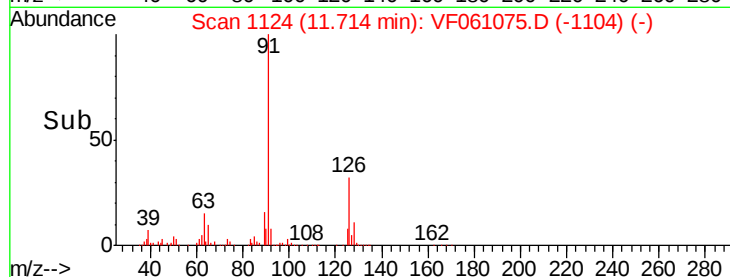
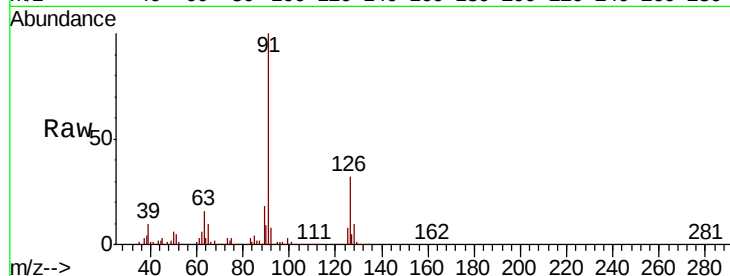




#79
2-Chlorotoluene
Concen: 47.458 ug/l
RT: 11.71 min Scan# 1124
Delta R.T. -0.00 min
Lab File: VF061075.D
Acq: 18 Dec 2018 22:15

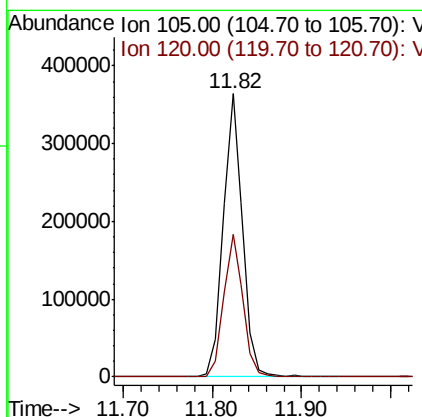
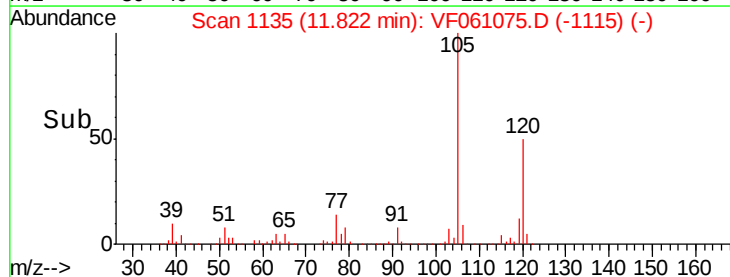
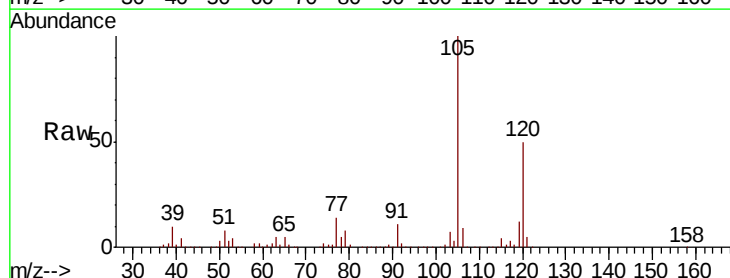
Instrument :
MSVOA_F
ClientSampleId :
ICVVF121918

Tgt Ion: 91 Resp: 482814
Ion Ratio Lower Upper
91 100
126 31.6 16.4 49.1



#80
1,3,5-Trimethylbenzene
Concen: 45.452 ug/l
RT: 11.82 min Scan# 1135
Delta R.T. -0.00 min
Lab File: VF061075.D
Acq: 18 Dec 2018 22:15

Tgt Ion: 105 Resp: 555040
Ion Ratio Lower Upper
105 100
120 50.4 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 66.259 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VF061075.D

Acq: 18 Dec 2018 22:15

Instrument :

MSVOA_F

ClientSampleId :

ICVVF121918

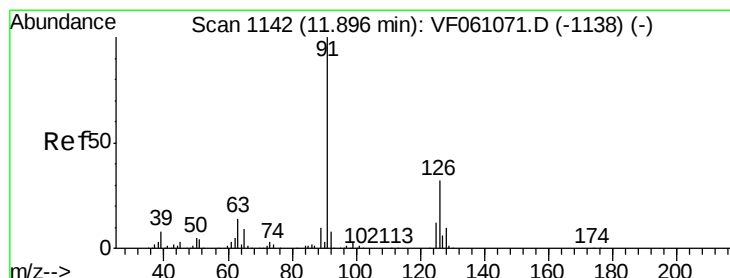
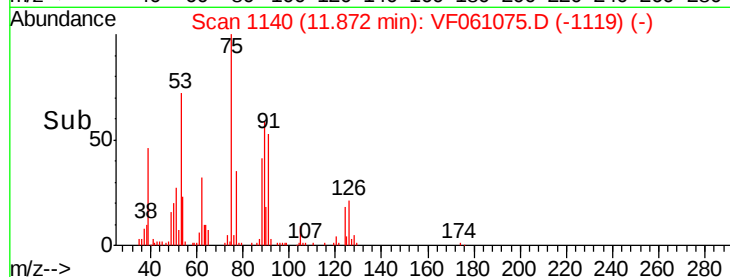
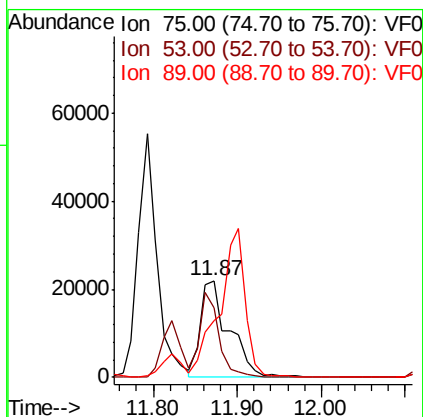
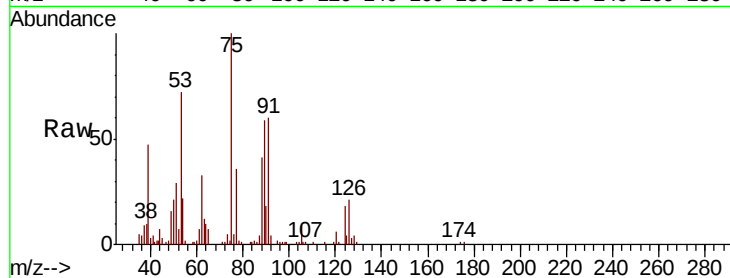
Tgt Ion: 75 Resp: 52152

Ion Ratio Lower Upper

75 100

53 72.1 74.1 111.1#

89 58.8 42.6 64.0



#82

4-Chlorotoluene

Concen: 46.657 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF061075.D

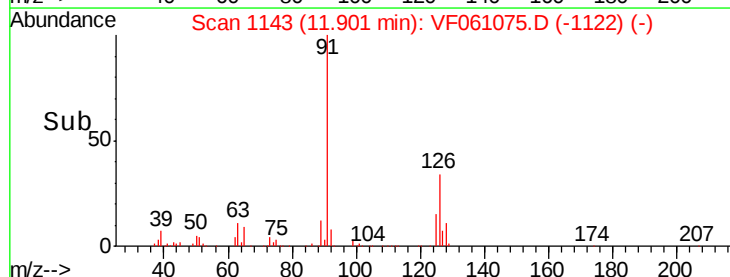
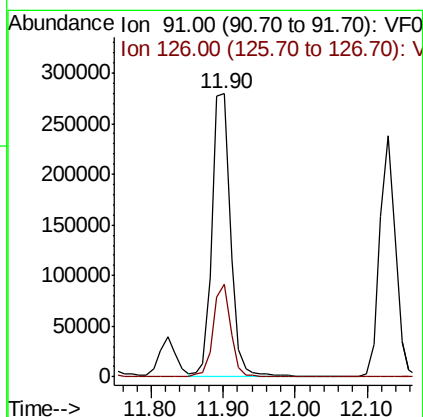
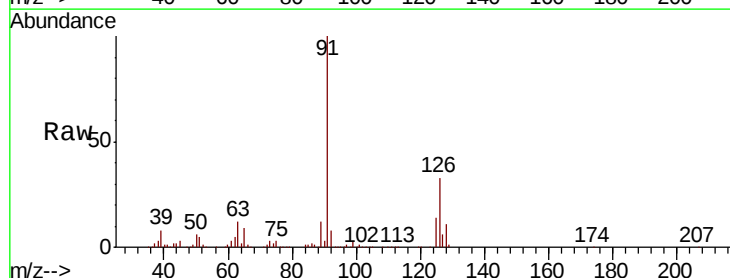
Acq: 18 Dec 2018 22:15

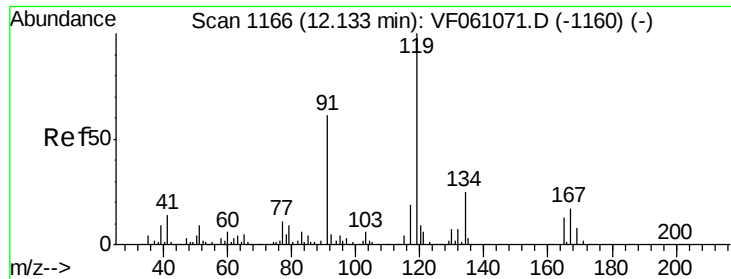
Tgt Ion: 91 Resp: 491027

Ion Ratio Lower Upper

91 100

126 32.6 16.0 47.9

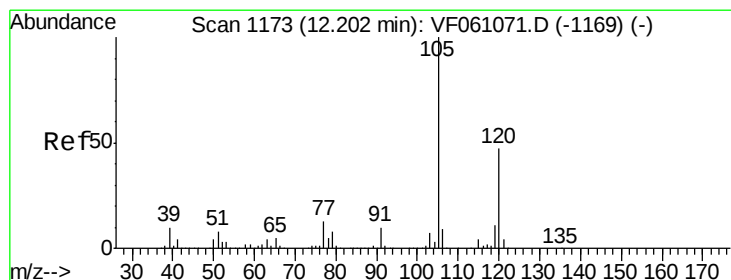
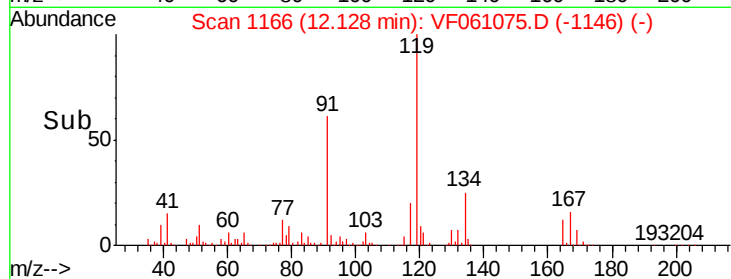
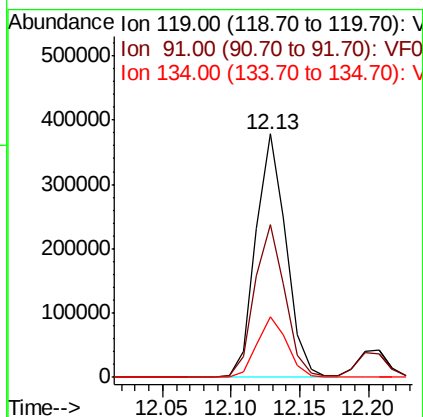
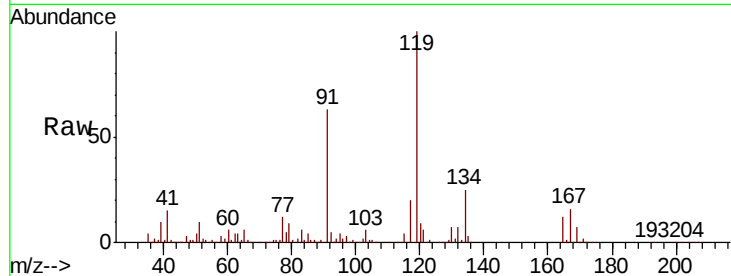




#83
 tert-Butylbenzene
 Concen: 46.521 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. -0.00 min
 Lab File: VF061075.D
 Acq: 18 Dec 2018 22:15

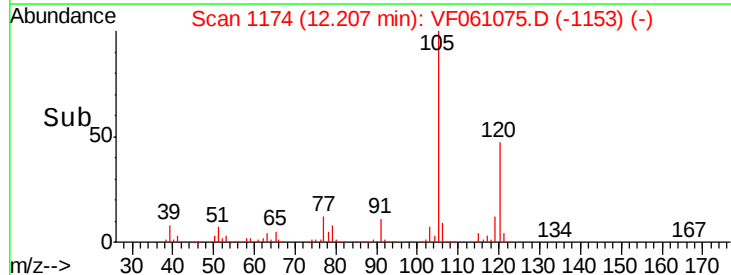
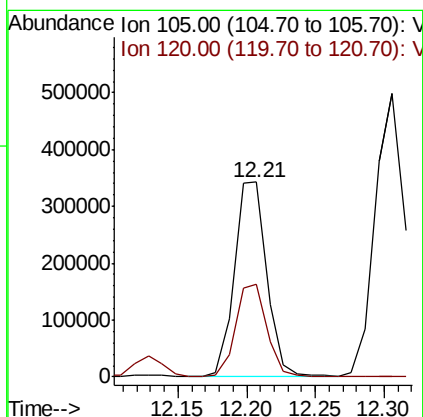
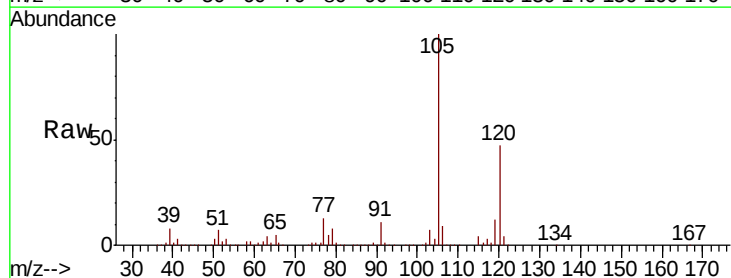
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF121918

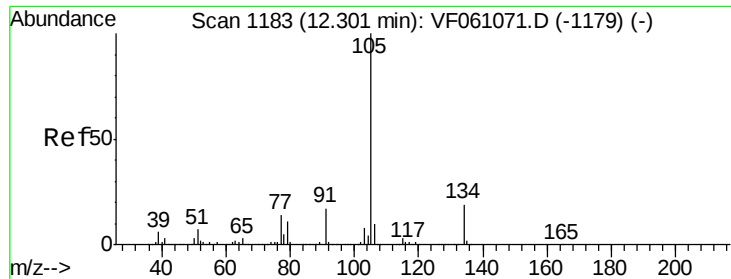
Tgt Ion:119 Resp: 584576
 Ion Ratio Lower Upper
 119 100
 91 62.9 30.5 91.5
 134 24.9 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 46.433 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. 0.01 min
 Lab File: VF061075.D
 Acq: 18 Dec 2018 22:15

Tgt Ion:105 Resp: 565429
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.6 71.0

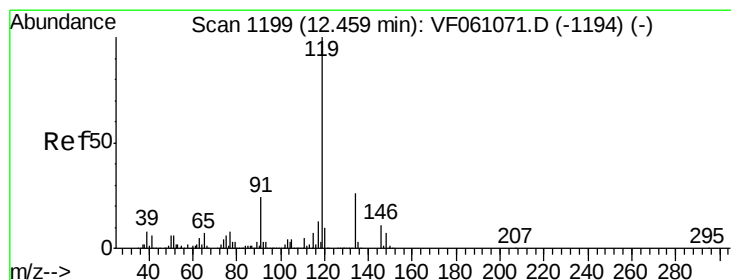
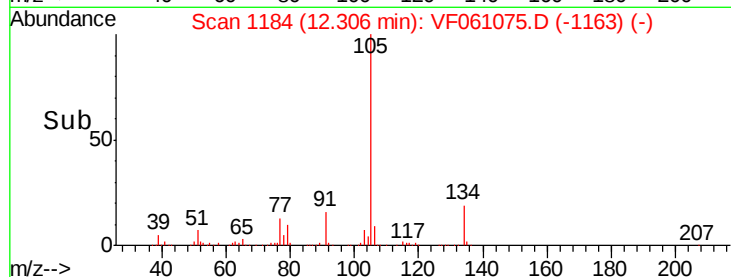
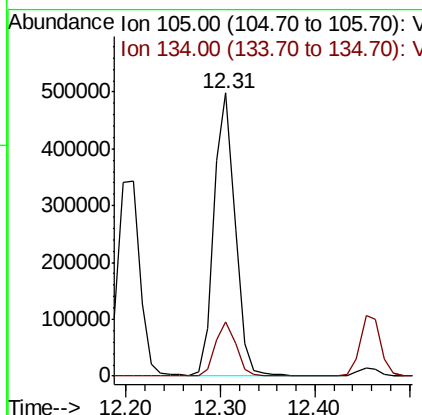
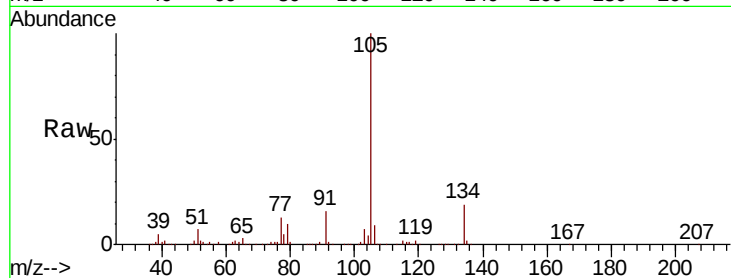




#85
 sec-Butylbenzene
 Concen: 46.833 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: VF061075.D
 Acq: 18 Dec 2018 22:15

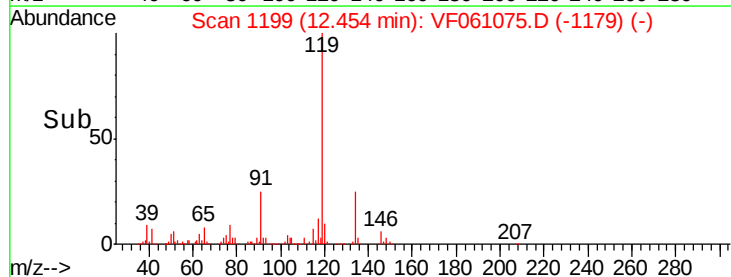
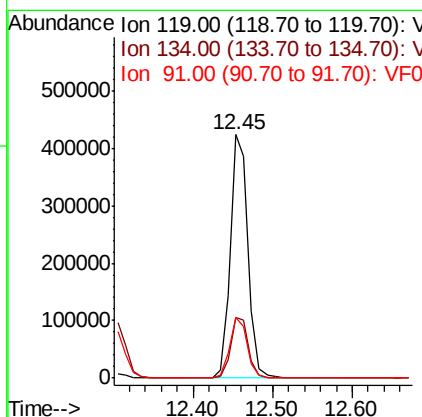
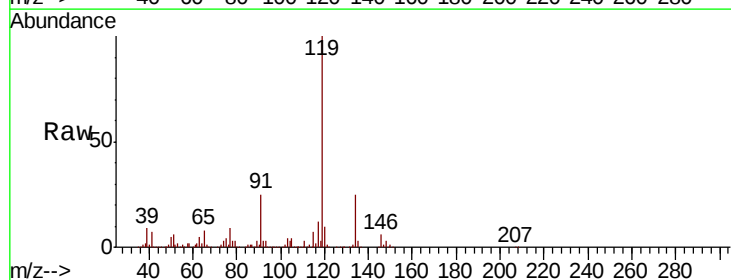
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF121918

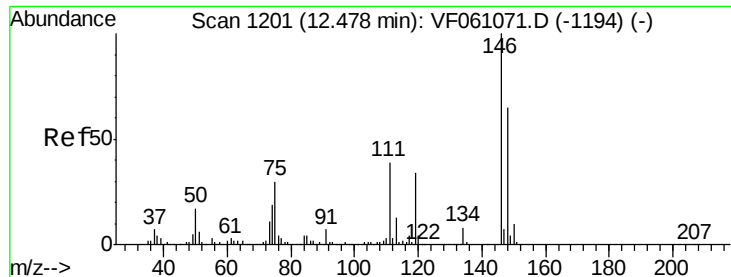
Tgt Ion:105 Resp: 767992
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 48.436 ug/l
 RT: 12.45 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VF061075.D
 Acq: 18 Dec 2018 22:15

Tgt Ion:119 Resp: 659288
 Ion Ratio Lower Upper
 119 100
 134 25.1 12.8 38.4
 91 25.0 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 53.813 ug/l

RT: 12.47 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VF061075.D

Acq: 18 Dec 2018 22:15

Instrument :

MSVOA_F

ClientSampleId :

ICVVF121918

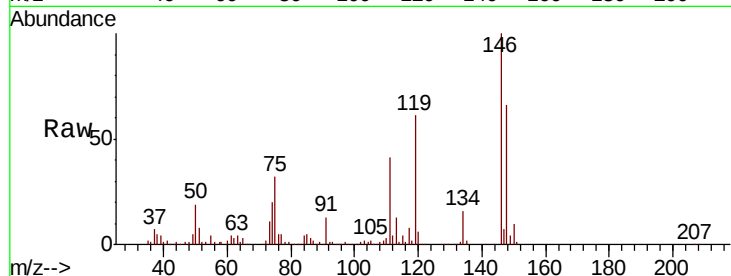
Tgt Ion:146 Resp: 278224

Ion Ratio Lower Upper

146 100

111 40.7 19.3 57.9

148 66.3 32.4 97.2

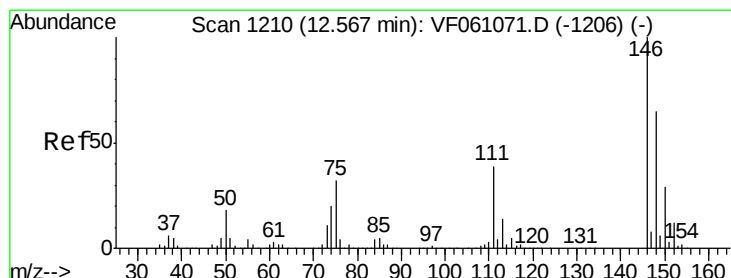
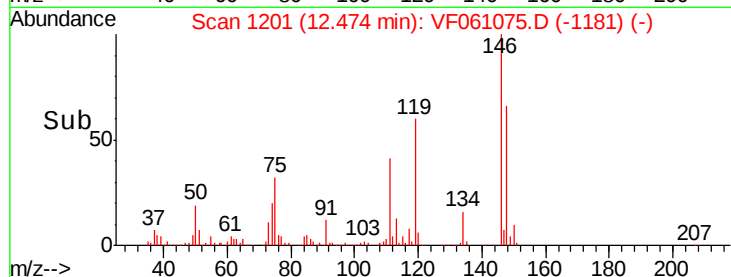
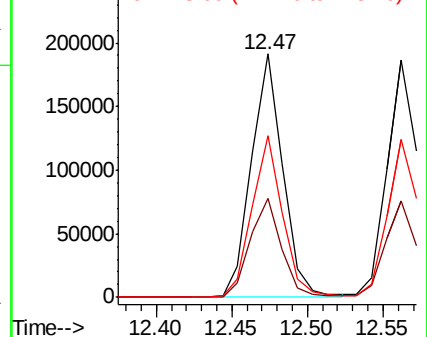


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 47.087 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. -0.00 min

Lab File: VF061075.D

Acq: 18 Dec 2018 22:15

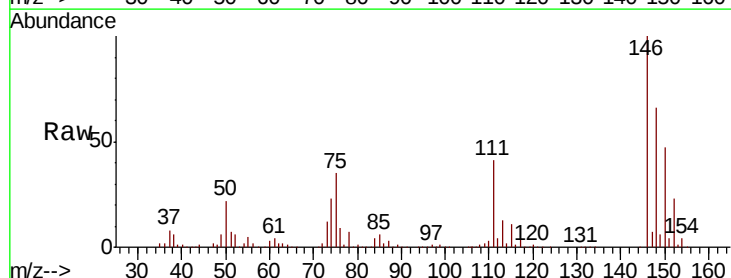
Tgt Ion:146 Resp: 276027

Ion Ratio Lower Upper

146 100

111 40.6 19.4 58.4

148 66.5 32.4 97.0

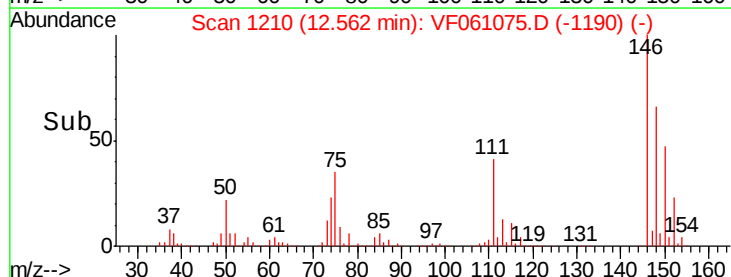
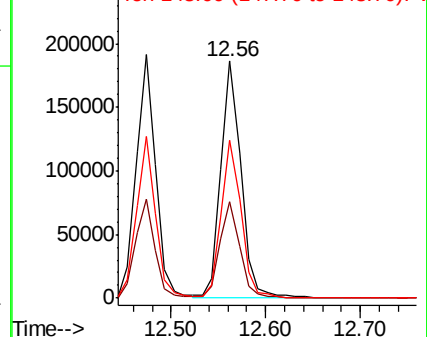


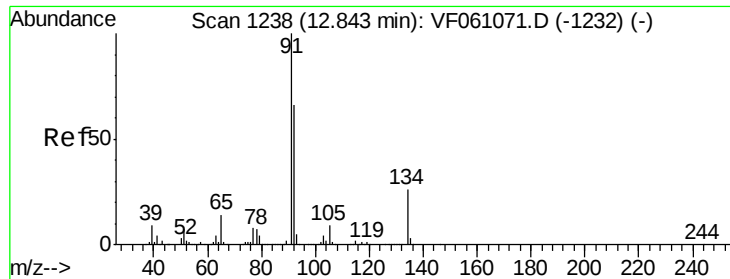
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

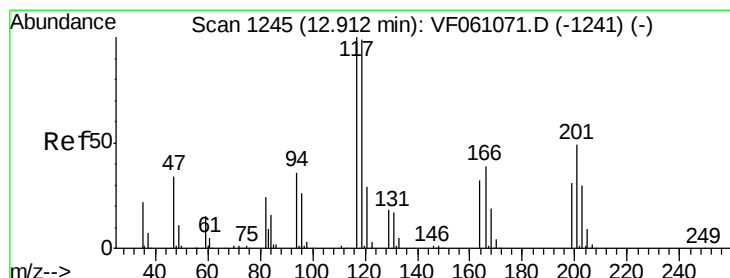
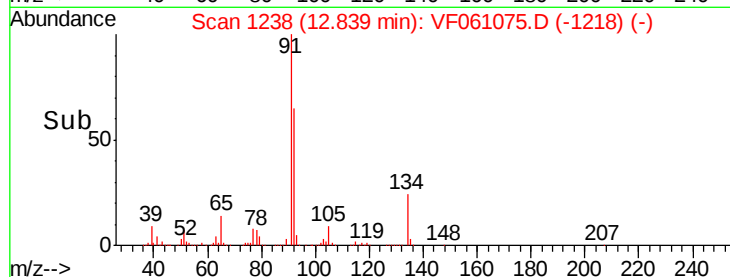
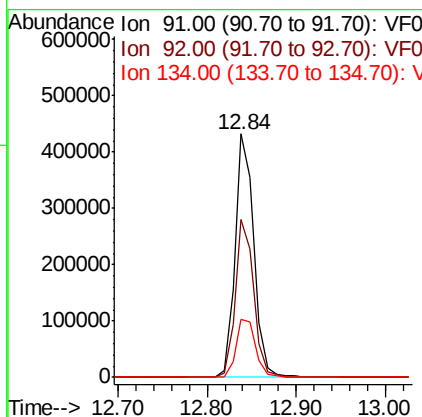
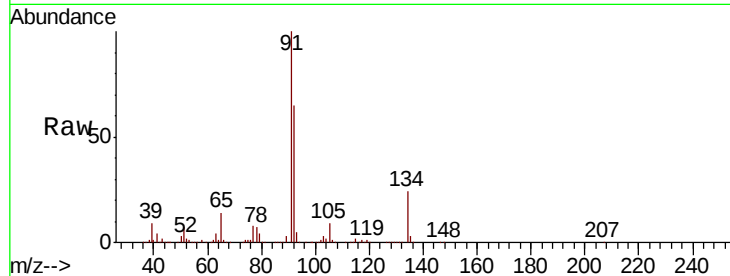




#89
n-Butylbenzene
Concen: 45.500 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VF061075.D
Acq: 18 Dec 2018 22:15

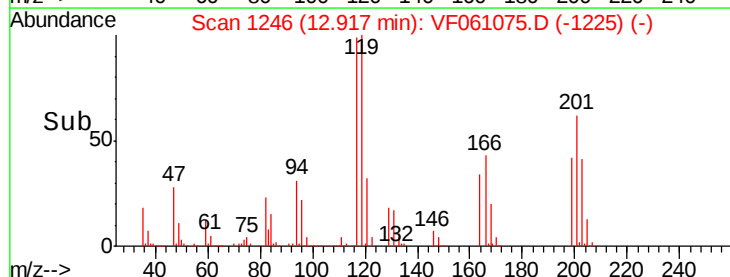
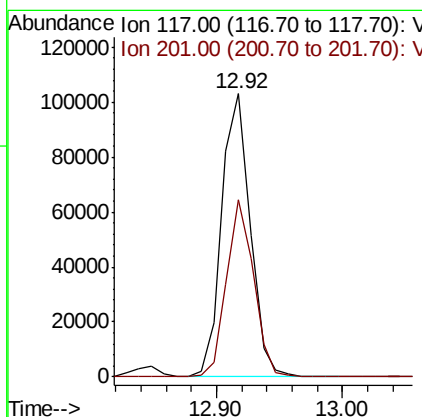
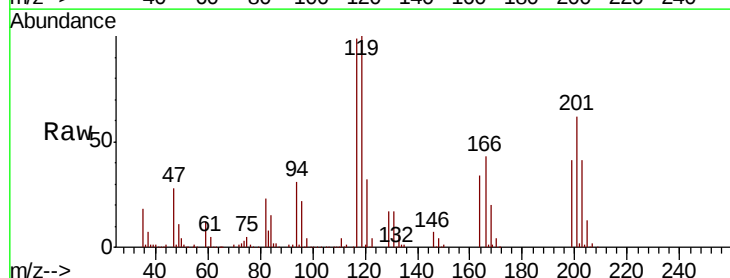
Instrument :
MSVOA_F
ClientSampleId :
ICVVF121918

Tgt Ion: 91 Resp: 638835
Ion Ratio Lower Upper
91 100
92 64.7 32.8 98.4
134 23.7 13.2 39.5



#90
Hexachloroethane
Concen: 47.944 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VF061075.D
Acq: 18 Dec 2018 22:15

Tgt Ion: 117 Resp: 161234
Ion Ratio Lower Upper
117 100
201 64.4 24.9 74.8

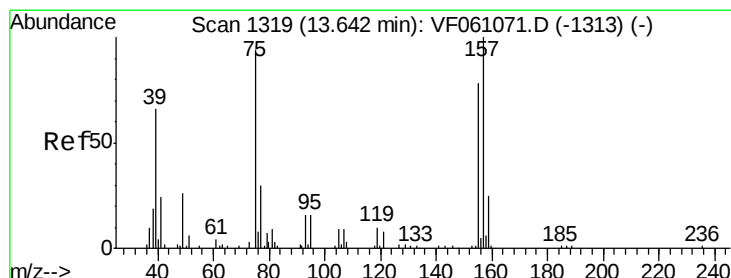
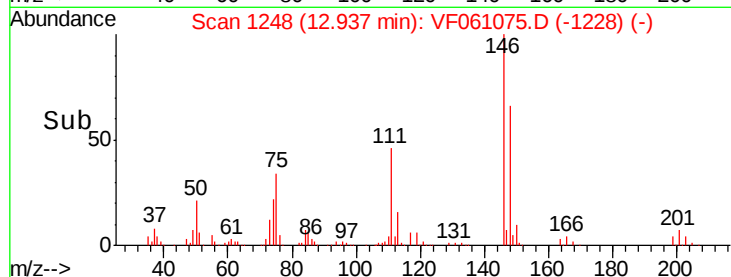
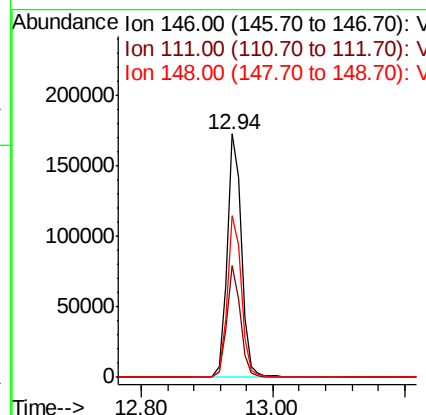
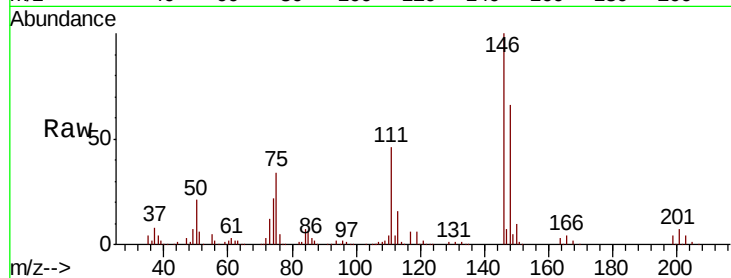




#91
 1,2-Dichlorobenzene
 Concen: 46.604 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VF061075.D
 Acq: 18 Dec 2018 22:15

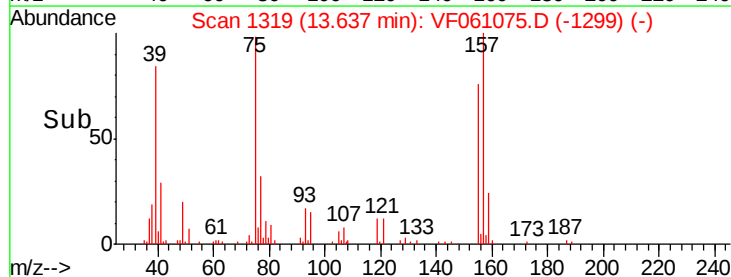
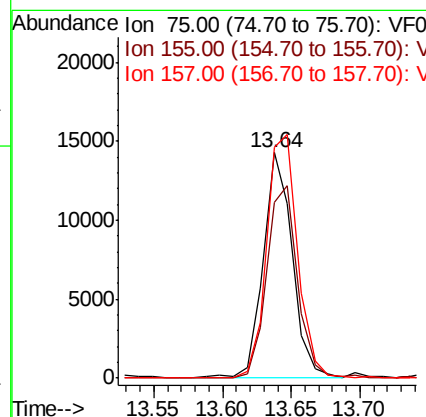
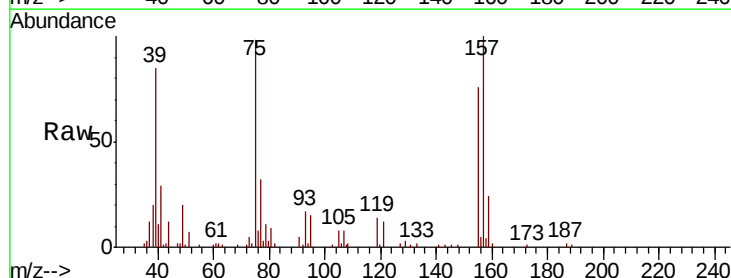
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF121918

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.2	23.2	69.5
148	66.4	32.4	97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.832 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: VF061075.D
 Acq: 18 Dec 2018 22:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.7	41.5	124.5
157	102.5	53.2	159.6

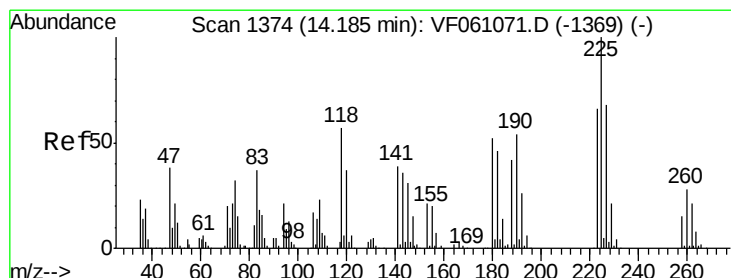
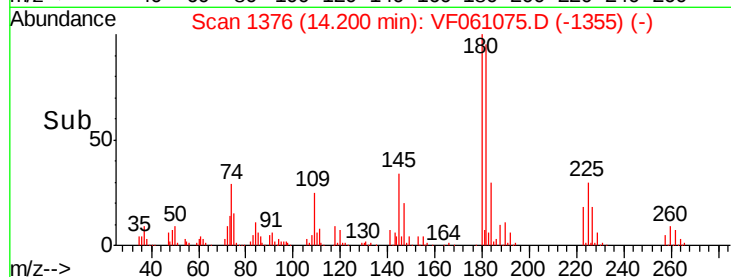
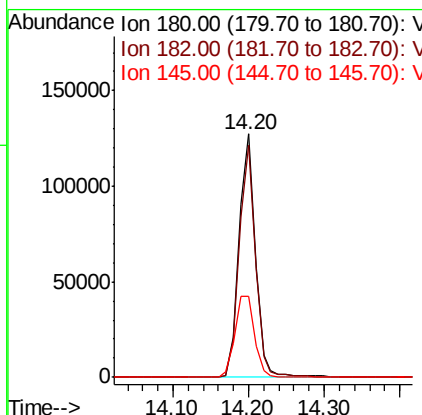
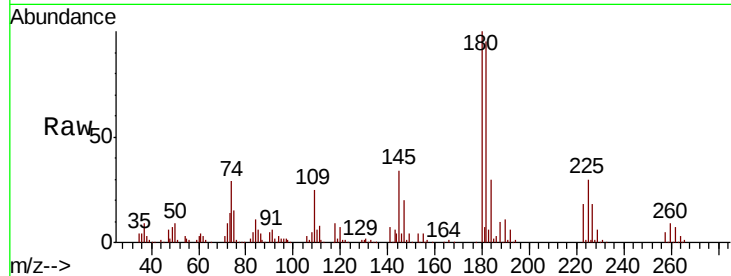




#93
 1,2,4-Trichlorobenzene
 Concen: 46.799 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VF061075.D
 Acq: 18 Dec 2018 22:15

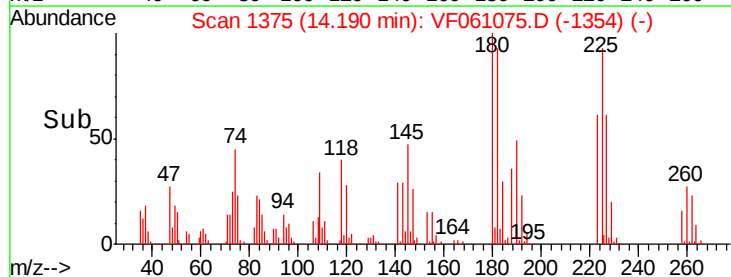
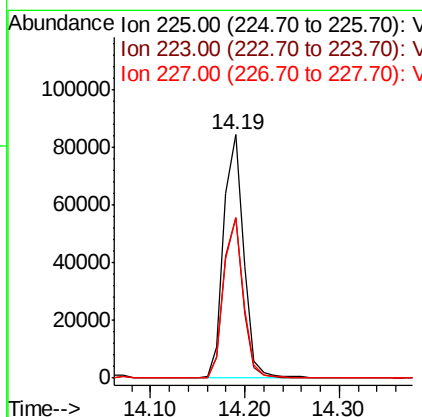
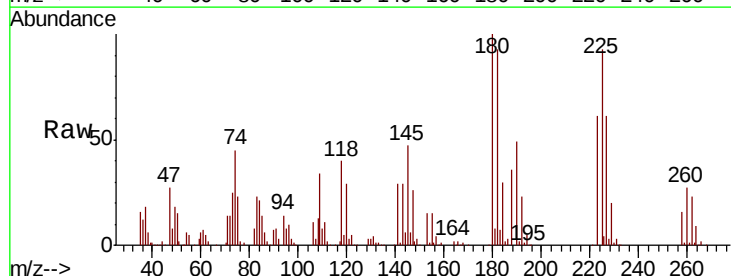
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF121918

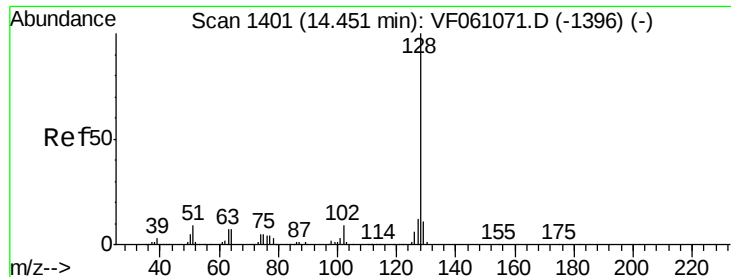
Tgt Ion:180 Resp: 189420
 Ion Ratio Lower Upper
 180 100
 182 95.2 46.9 140.6
 145 33.5 20.5 61.6



#94
 Hexachlorobutadiene
 Concen: 48.084 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. 0.01 min
 Lab File: VF061075.D
 Acq: 18 Dec 2018 22:15

Tgt Ion:225 Resp: 123956
 Ion Ratio Lower Upper
 225 100
 223 66.0 32.8 98.3
 227 65.8 34.0 101.8

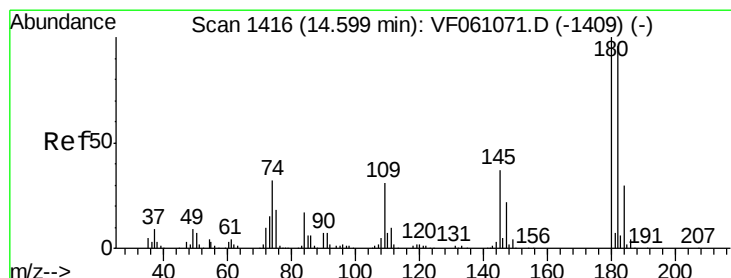
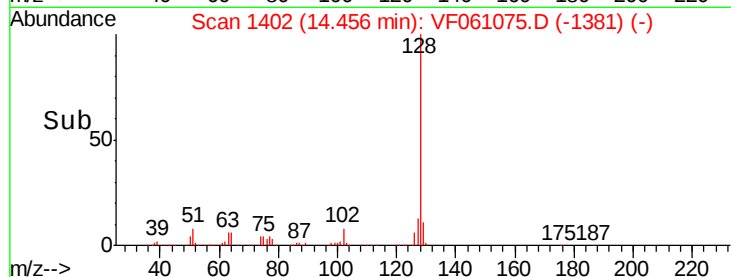
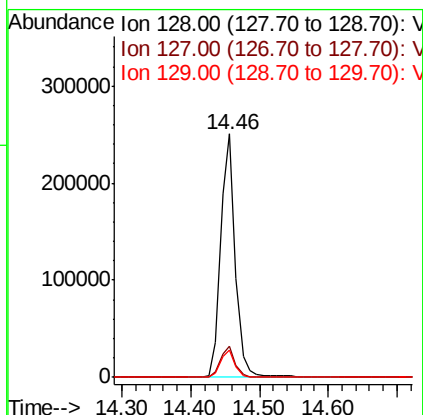
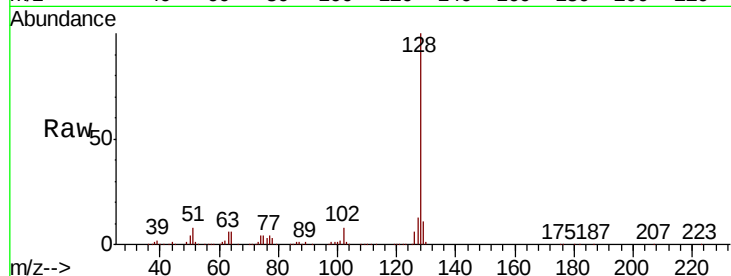




#95
Naphthalene
Concen: 50.043 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. 0.01 min
Lab File: VF061075.D
Acq: 18 Dec 2018 22:15

Instrument :
MSVOA_F
ClientSampleId :
ICVVF121918

Tgt Ion:128 Resp: 369863
Ion Ratio Lower Upper
128 100
127 12.6 9.4 14.2
129 11.4 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 49.107 ug/l
RT: 14.60 min Scan# 1417
Delta R.T. 0.01 min
Lab File: VF061075.D
Acq: 18 Dec 2018 22:15

Tgt Ion:180 Resp: 183744
Ion Ratio Lower Upper
180 100
182 95.3 47.9 143.8
145 32.6 18.6 55.8

