

Data File : VF060030.D
Acq On : 21 Aug 2018 20:42
Operator : VA/AP
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
ICVVF082118

Quant Time: Aug 22 04:03:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 22 03:57:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	220156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	343097	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	334025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	203669	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	146428	36.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.12%	
35) Dibromofluoromethane	4.31	113	129546	38.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.82%	
50) Toluene-d8	7.72	98	361151	46.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.56%	
62) 4-Bromofluorobenzene	11.52	95	189831	41.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	129208	35.886	ug/l	93
3) Chloromethane	1.07	50	100873	50.345	ug/l	94
4) Vinyl Chloride	1.12	62	84365	38.605	ug/l	94
5) Bromomethane	1.32	94	64676	30.926	ug/l	89
6) Chloroethane	1.40	64	34377	31.483	ug/l	98
7) Trichlorofluoromethane	1.49	101	188264	31.350	ug/l	100
8) Diethyl Ether	1.70	74	32804	36.178	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.86	101	93278	32.779	ug/l	98
10) Methyl Iodide	1.93	142	130733	36.295	ug/l	99
11) Tert butyl alcohol	2.69	59	40634	172.219	ug/l #	94
12) 1,1-Dichloroethene	1.83	96	66197	33.320	ug/l	96
13) Acrolein	2.10	56	23425	183.599	ug/l	93
14) Allyl chloride	2.20	41	123519	36.745	ug/l	97
15) Acrylonitrile	3.08	53	75829	199.162	ug/l	96
16) Acetone	2.34	43	178115	141.065	ug/l	95
17) Carbon Disulfide	1.84	76	197394	31.404	ug/l	100
18) Methyl Acetate	2.46	43	67842	28.144	ug/l	98
19) Methyl tert-butyl Ether	2.54	73	215289	33.294	ug/l	97
20) Methylene Chloride	2.28	84	79650	28.360	ug/l	93
21) trans-1,2-Dichloroethene	2.41	96	69695	32.730	ug/l	99
22) Diisopropyl ether	2.93	45	267681	37.114	ug/l	95
23) Vinyl Acetate	3.34	43	787432	261.176	ug/l	99
24) 1,1-Dichloroethane	3.01	63	165439	35.525	ug/l #	98
25) 2-Butanone	4.52	43	252949	242.624	ug/l	99
26) 2,2-Dichloropropane	3.77	77	170141	40.463	ug/l	95
27) cis-1,2-Dichloroethene	3.65	96	105150	50.795	ug/l	96
28) Bromochloromethane	3.90	49	63605	44.271	ug/l	84
29) Tetrahydrofuran	4.26	42	88191	235.798	ug/l	96
30) Chloroform	4.05	83	231628	41.452	ug/l	93
31) Cyclohexane	3.87	56	121890	52.378	ug/l	96
32) 1,1,1-Trichloroethane	4.29	97	200043	37.486	ug/l	96
36) 1,1-Dichloropropene	4.47	75	155076	40.314	ug/l	96
37) Ethyl Acetate	4.30	43	93374	44.379	ug/l	87
38) Carbon Tetrachloride	4.18	117	176955	33.334	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	140364	47.774	ug/l	85
40) Benzene	4.82	78	321820	48.688	ug/l	99
41) Methacrylonitrile	4.94	41	47193	46.332	ug/l	89
42) 1,2-Dichloroethane	5.13	62	172840	32.588	ug/l	99
43) Isopropyl Acetate	7.12	43	125424	52.576	ug/l #	97
44) Trichloroethene	5.69	130	110320	43.649	ug/l	95
45) 1,2-Dichloropropane	6.41	63	99711	52.263	ug/l	96
46) Dibromomethane	6.27	93	76475	41.863	ug/l	93
47) Bromodichloromethane	6.56	83	181970	37.814	ug/l	98
48) Methyl methacrylate	6.89	41	78822	45.351	ug/l	94
49) 1,4-Dioxane	6.88	88	16749	1227.465	ug/l	94
51) 4-Methyl-2-Pentanone	8.42	43	546587	248.032	ug/l	97
52) Toluene	7.79	92	232289	47.002	ug/l	96
53) t-1,3-Dichloropropene	8.44	75	169229	41.334	ug/l	99
54) cis-1,3-Dichloropropene	7.47	75	193273	47.770	ug/l	97
55) 1,1,2-Trichloroethane	8.65	97	96873	49.033	ug/l	98
56) Ethyl methacrylate	8.77	69	119101	51.777	ug/l	93
57) 1,3-Dichloropropane	9.01	76	164320	46.554	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.79	63	41030	224.724	ug/l	100
59) 2-Hexanone	9.64	43	410200	225.130	ug/l	98
60) Dibromochloromethane	8.88	129	142161	40.880	ug/l	99
61) 1,2-Dibromoethane	9.15	107	108752	44.786	ug/l	98
64) Tetrachloroethene	8.32	164	111735	44.145	ug/l	98
65) Chlorobenzene	9.95	112	312175	47.459	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	115767	39.342	ug/l	97
67) Ethyl Benzene	10.05	91	528871	44.656	ug/l	99
68) m/p-Xylenes	10.28	106	405172	97.089	ug/l	98
69) o-Xylene	10.84	106	222540	52.108	ug/l	97
70) Styrene	10.91	104	340021	49.912	ug/l	97
71) Bromoform	10.90	173	91036	41.916	ug/l	99
73) Isopropylbenzene	11.24	105	620224	50.601	ug/l	99
74) N-amyl acetate	11.47	43	210249	59.457	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.80	83	137796	55.924	ug/l	99
76) 1,2,3-Trichloropropane	11.90	75	104299	49.163	ug/l	99
77) Bromobenzene	11.60	156	167954	49.292	ug/l	86
78) n-propylbenzene	11.70	91	764983	50.149	ug/l	97
79) 2-Chlorotoluene	11.83	91	424242	46.371	ug/l	93
80) 1,3,5-Trimethylbenzene	11.93	105	537331	48.842	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.96	75	64113	71.629	ug/l	96
82) 4-Chlorotoluene	11.99	91	471034	47.051	ug/l	98
83) tert-Butylbenzene	12.22	119	524540	48.763	ug/l	96
84) 1,2,4-Trimethylbenzene	12.30	105	551347	47.677	ug/l	98
85) sec-Butylbenzene	12.40	105	717812	50.000	ug/l	100
86) p-Isopropyltoluene	12.55	119	605077	47.664	ug/l	97
87) 1,3-Dichlorobenzene	12.57	146	303285	46.623	ug/l	96
88) 1,4-Dichlorobenzene	12.65	146	301356	47.688	ug/l	98
89) n-Butylbenzene	12.93	91	624823	50.936	ug/l	99
90) Hexachloroethane	13.00	117	139638	49.391	ug/l	80
91) 1,2-Dichlorobenzene	13.03	146	294227	47.486	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.72	75	29766	46.204	ug/l	82

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF082118\
Quantitation Report (Not Reviewed)

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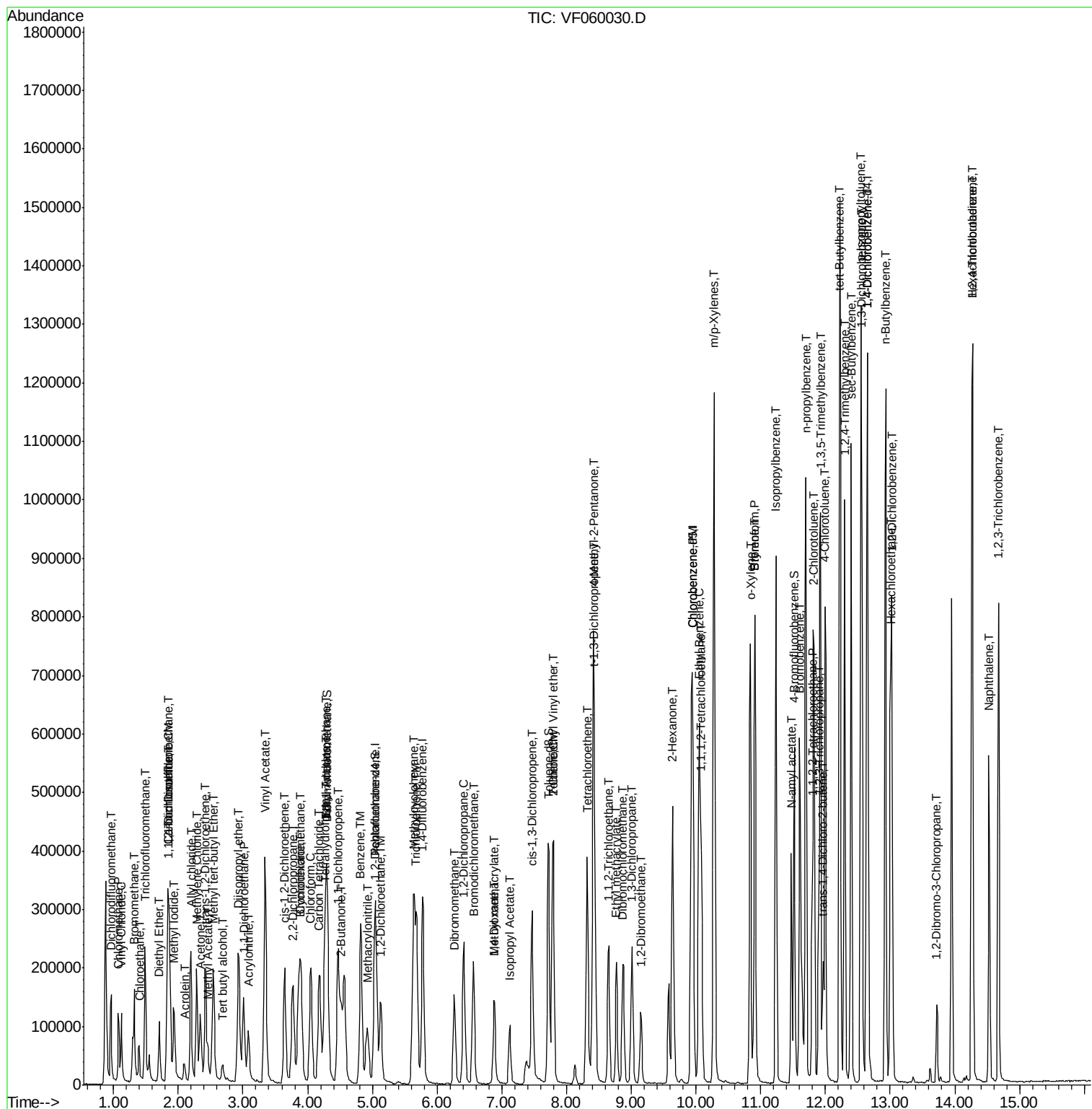
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	226534	45.186	ug/l	97
94) Hexachlorobutadiene	14.26	225	139266	42.272	ug/l	98
95) Naphthalene	14.53	128	397658	55.219	ug/l	100
96) 1,2,3-Trichlorobenzene	14.68	180	219101	45.566	ug/l	96

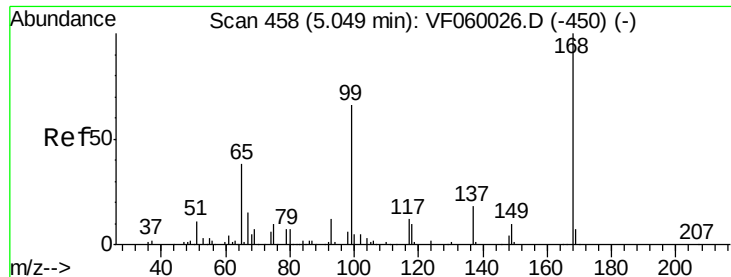
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 459

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

ClientSampleId :

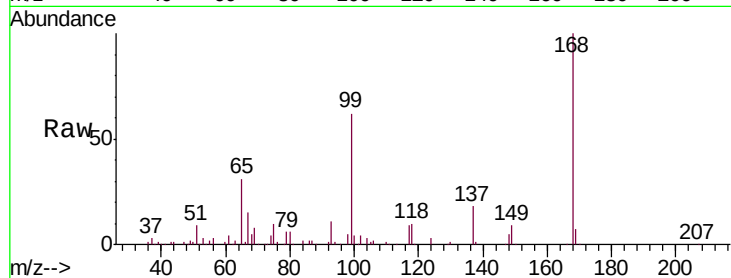
ICVVF082118

Tgt Ion:168 Resp: 220156

Ion Ratio Lower Upper

168 100

99 61.5 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

80000

60000

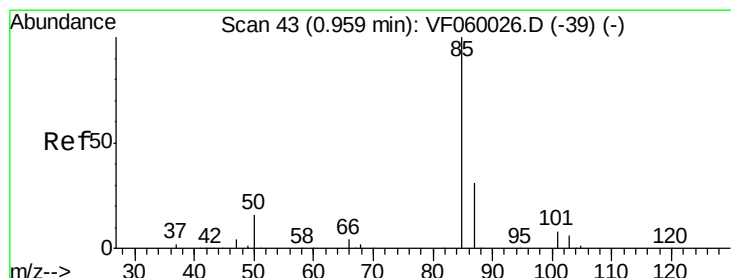
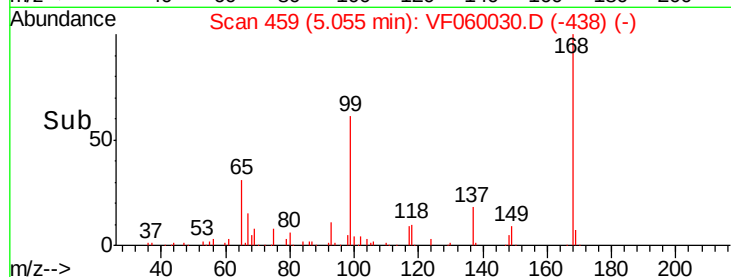
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 35.886 ug/l

RT: 0.96 min Scan# 44

Delta R.T. 0.01 min

Lab File: VF060030.D

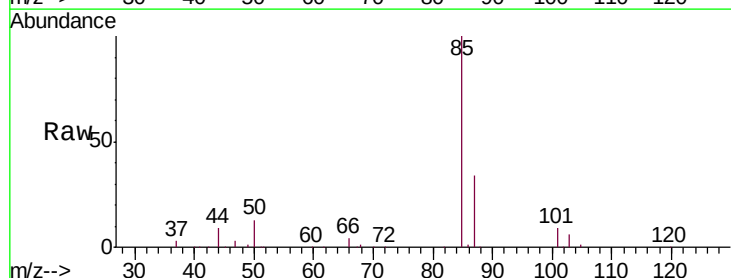
Acq: 21 Aug 2018 20:42

Tgt Ion: 85 Resp: 129208

Ion Ratio Lower Upper

85 100

87 34.2 15.3 45.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

80000

60000

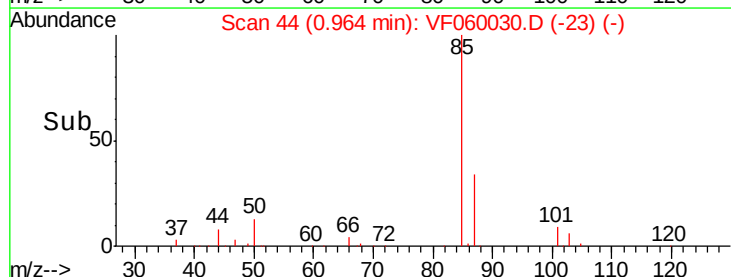
40000

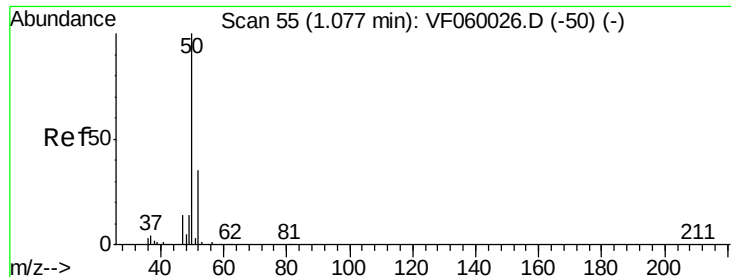
20000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 50.345 ug/l

RT: 1.07 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

ClientSampleId :

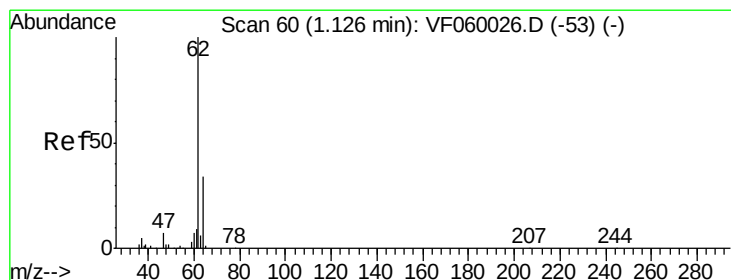
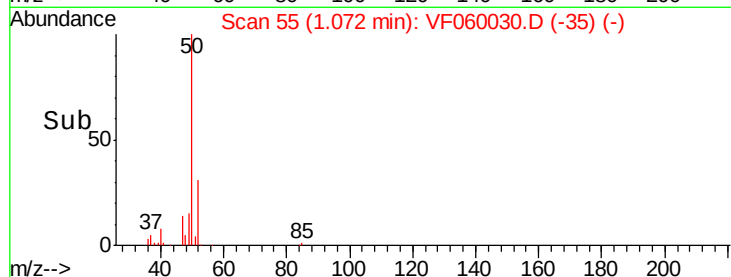
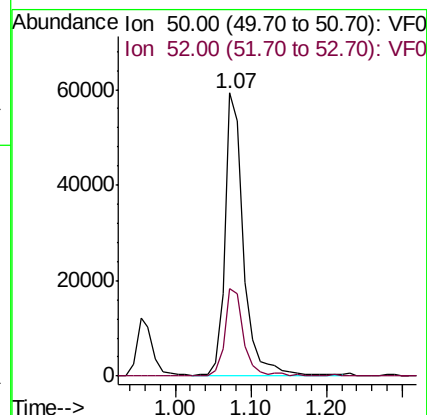
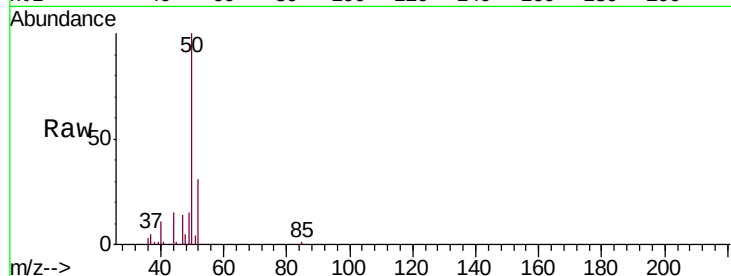
ICVVF082118

Tgt Ion: 50 Resp: 100873

Ion Ratio Lower Upper

50 100

52 30.8 27.6 41.4



#4

Vinyl Chloride

Concen: 38.605 ug/l

RT: 1.12 min Scan# 60

Delta R.T. -0.00 min

Lab File: VF060030.D

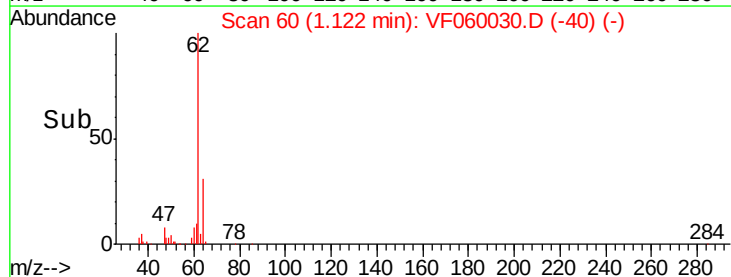
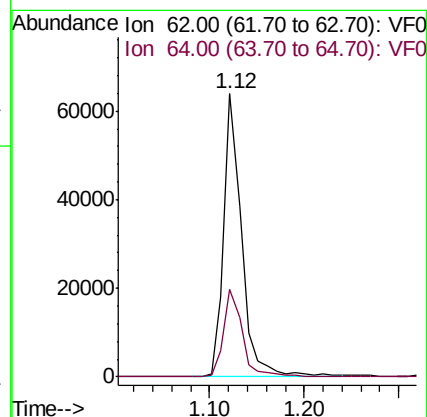
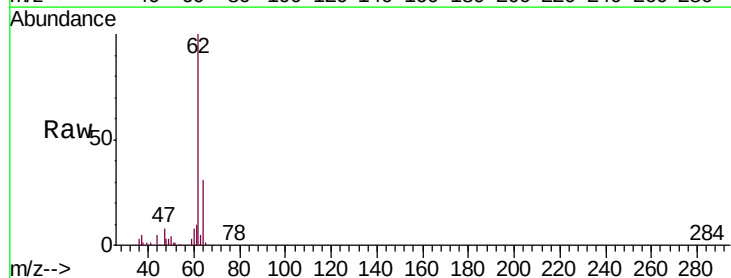
Acq: 21 Aug 2018 20:42

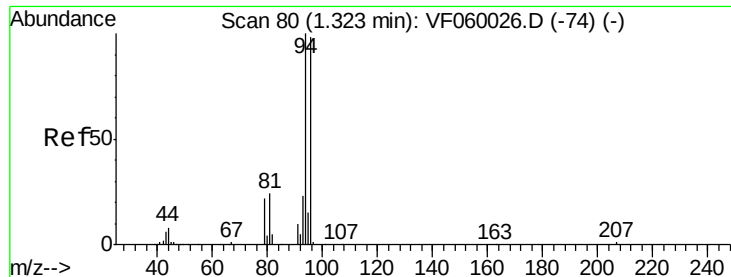
Tgt Ion: 62 Resp: 84365

Ion Ratio Lower Upper

62 100

64 31.0 27.4 41.2





#5

Bromomethane

Concen: 30.926 ug/l

RT: 1.32 min Scan# 80

Delta R.T. -0.00 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

ClientSampleId :

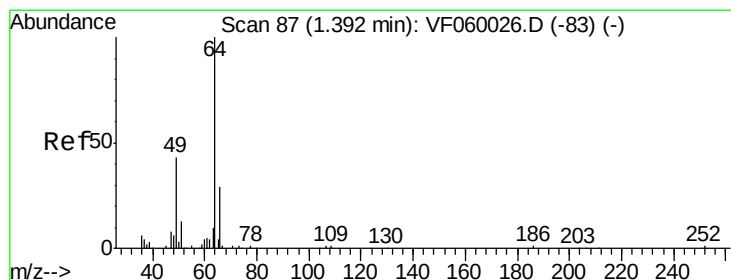
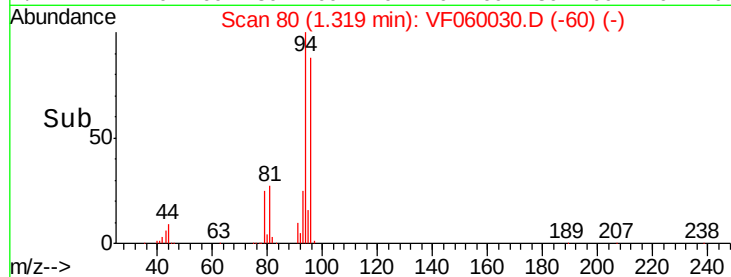
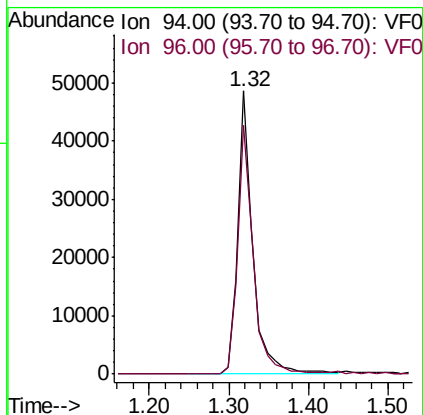
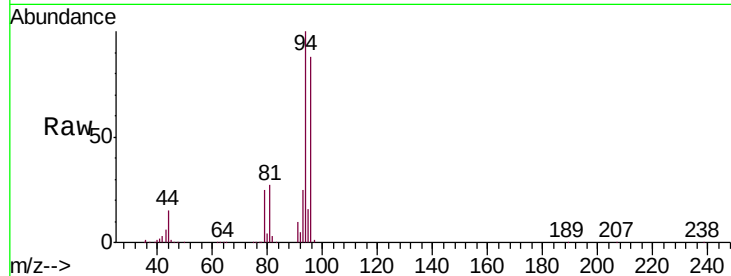
ICVVF082118

Tgt Ion: 94 Resp: 64676

Ion Ratio Lower Upper

94 100

96 87.8 78.6 118.0



#6

Chloroethane

Concen: 31.483 ug/l

RT: 1.40 min Scan# 88

Delta R.T. 0.01 min

Lab File: VF060030.D

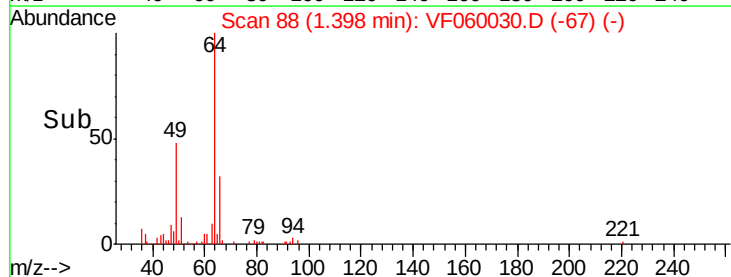
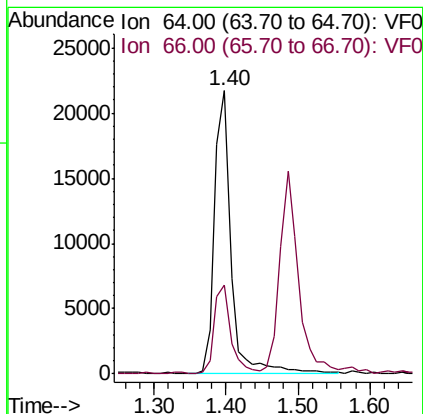
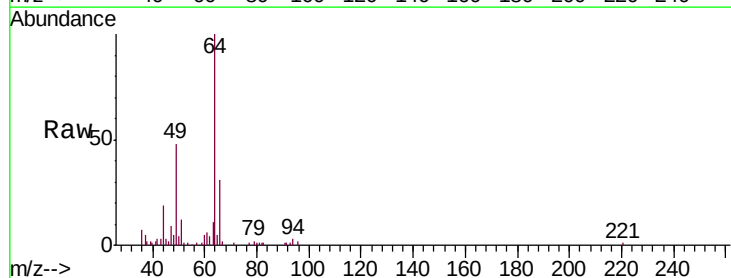
Acq: 21 Aug 2018 20:42

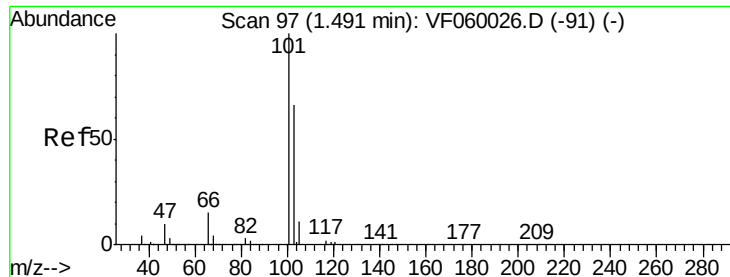
Tgt Ion: 64 Resp: 34377

Ion Ratio Lower Upper

64 100

66 31.3 24.1 36.1





#7

Trichlorofluoromethane

Concen: 31.350 ug/l

RT: 1.49 min Scan# 97

Delta R.T. -0.00 min

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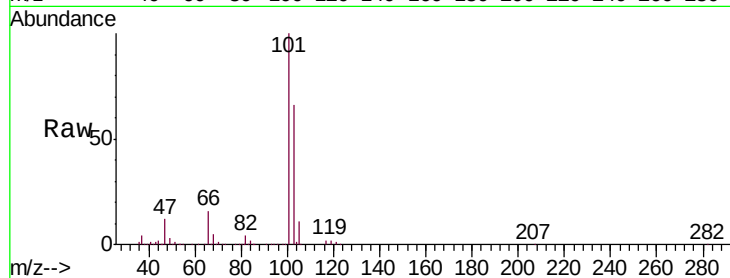
ICVVF082118

Tgt Ion: 101 Resp: 188264

Ion Ratio Lower Upper

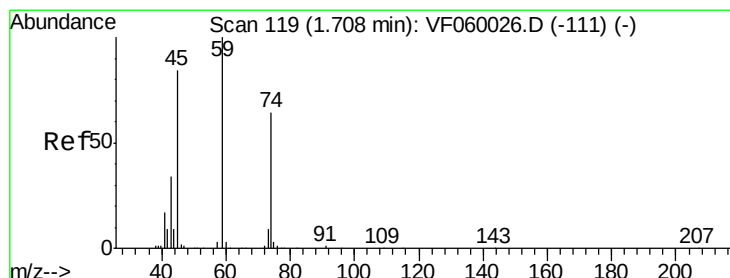
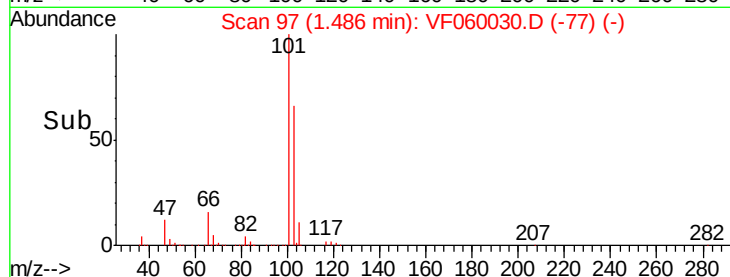
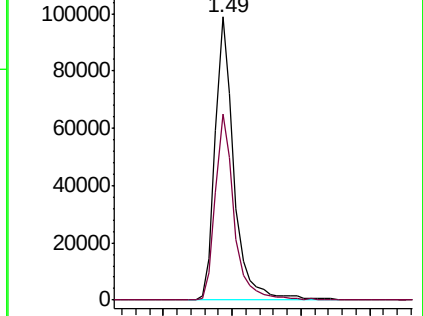
101 100

103 65.8 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 36.178 ug/l

RT: 1.70 min Scan# 119

Delta R.T. -0.00 min

Lab File: VF060030.D

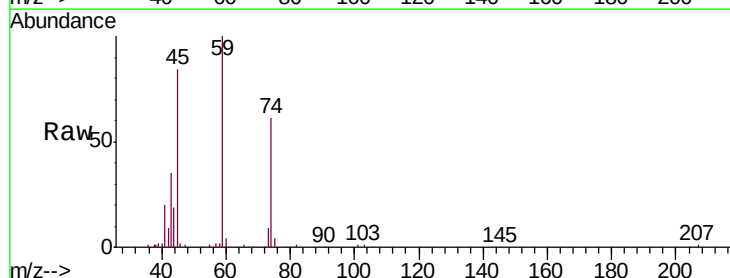
Acq: 21 Aug 2018 20:42

Tgt Ion: 74 Resp: 32804

Ion Ratio Lower Upper

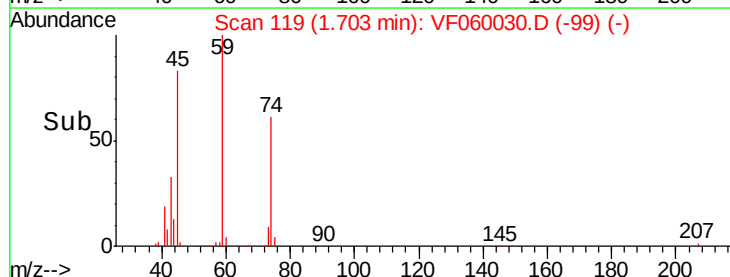
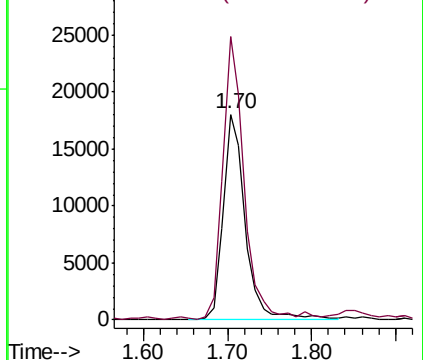
74 100

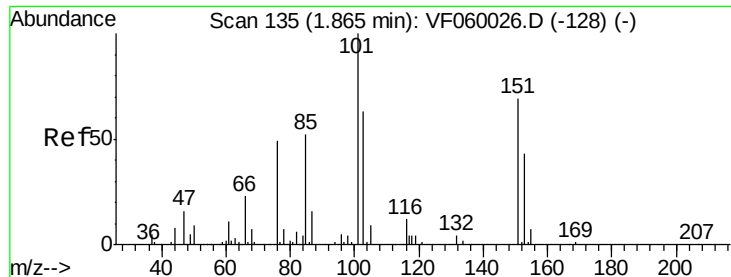
45 137.6 66.0 198.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 32.779 ug/l

RT: 1.86 min Scan# 135

Delta R.T. -0.00 min

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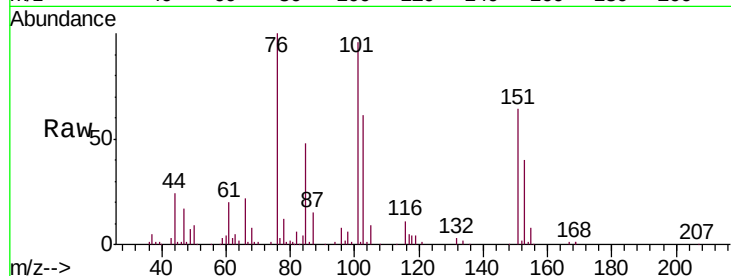
Tgt Ion:101 Resp: 93278

Ion Ratio Lower Upper

101 100

85 49.9 41.5 62.3

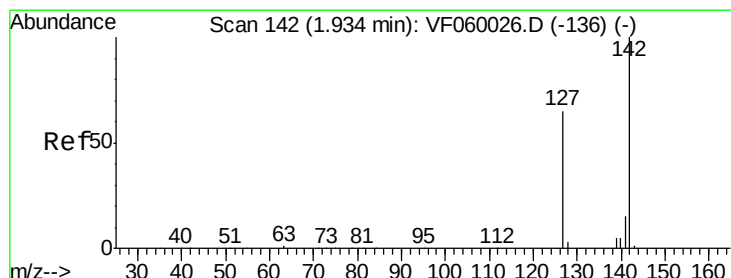
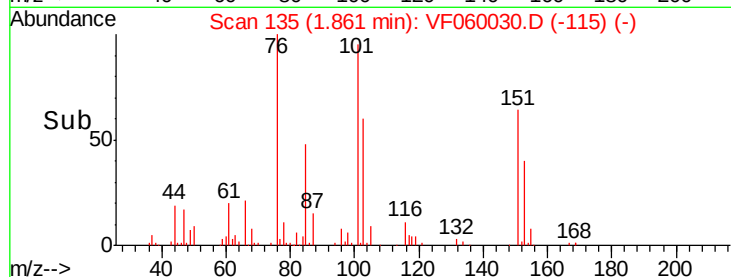
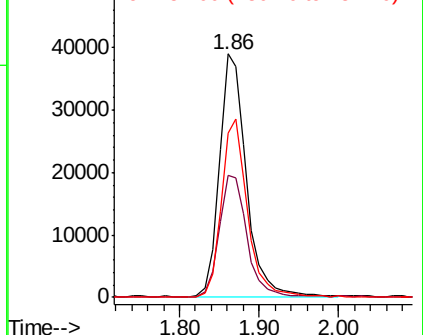
151 67.3 55.2 82.8



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: 36.295 ug/l

RT: 1.93 min Scan# 142

Delta R.T. -0.00 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

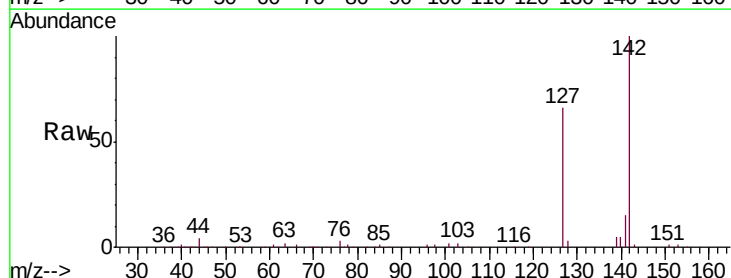
Tgt Ion:142 Resp: 130733

Ion Ratio Lower Upper

142 100

127 66.0 51.8 77.6

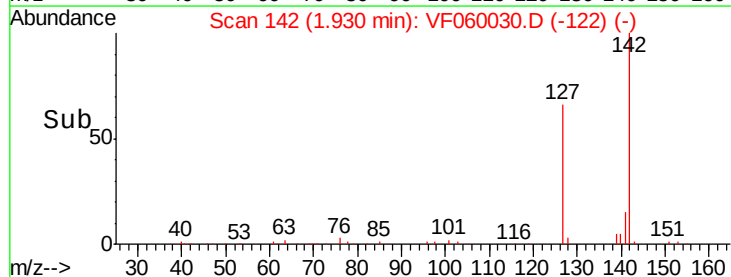
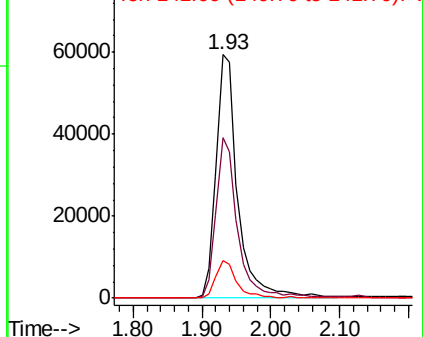
141 15.2 11.9 17.9

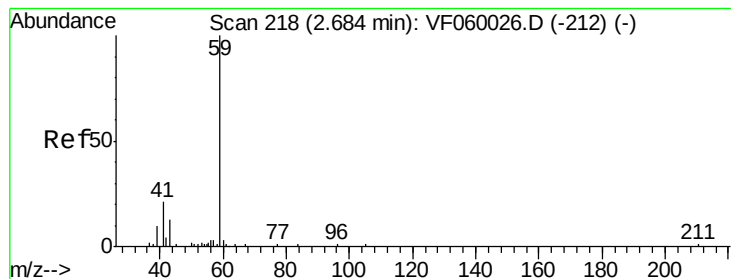


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



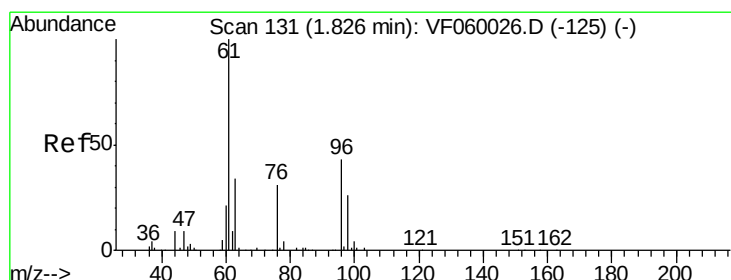
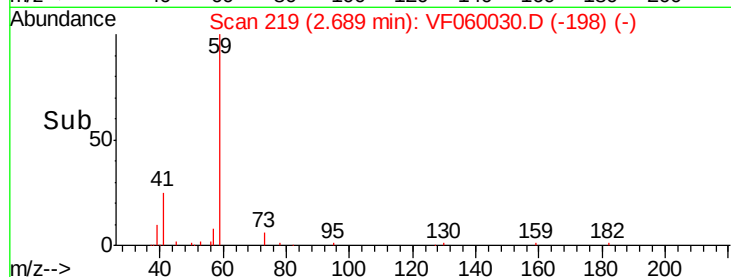
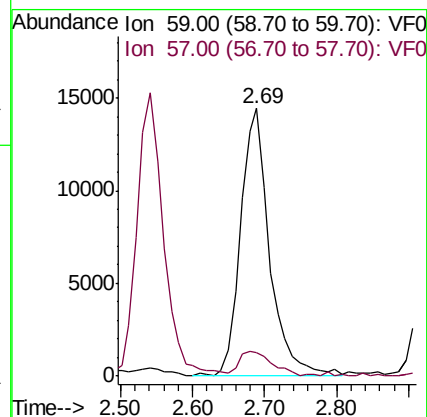
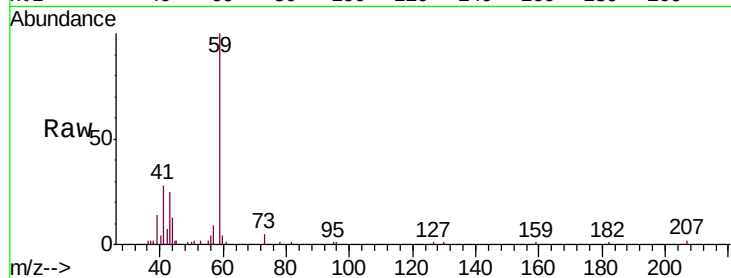


#11

Tert butyl alcohol
 Concen: 172.219 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. 0.01 min
 Lab File: VF060030.D
 Acq: 21 Aug 2018 20:42

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF082118

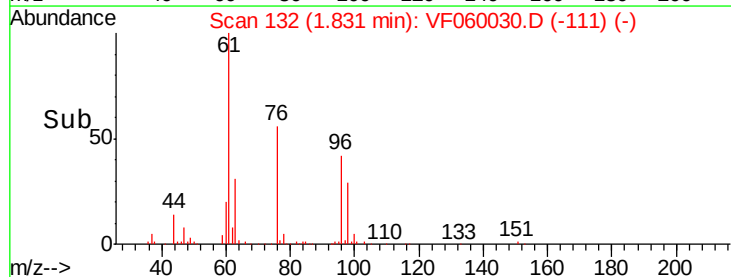
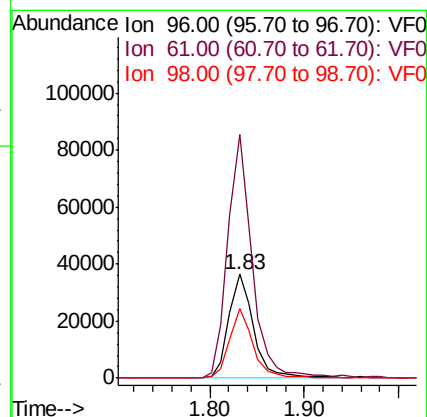
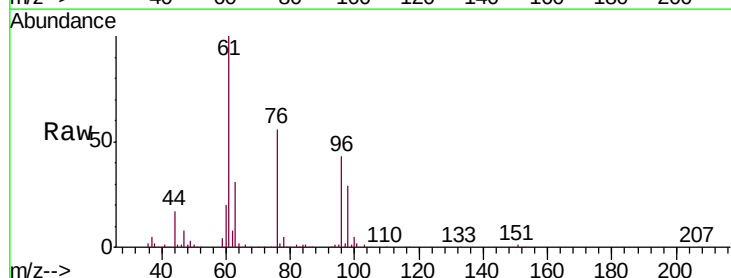
Tgt Ion: 59 Resp: 40634
 Ion Ratio Lower Upper
 59 100
 57 8.9 5.4 8.2#

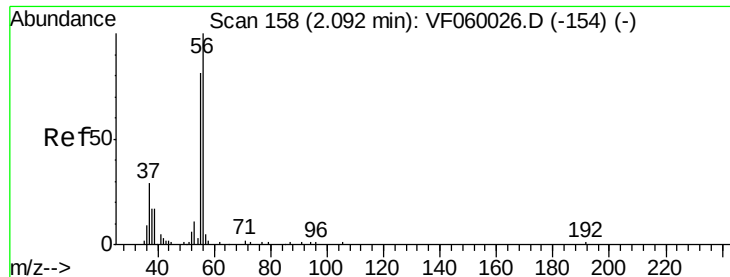


#12

1,1-Dichloroethene
 Concen: 33.320 ug/l
 RT: 1.83 min Scan# 132
 Delta R.T. 0.01 min
 Lab File: VF060030.D
 Acq: 21 Aug 2018 20:42

Tgt Ion: 96 Resp: 66197
 Ion Ratio Lower Upper
 96 100
 61 235.3 185.0 277.6
 98 67.1 47.8 71.8





#13

Acrolein

Concen: 183.599 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

ClientSampleId :

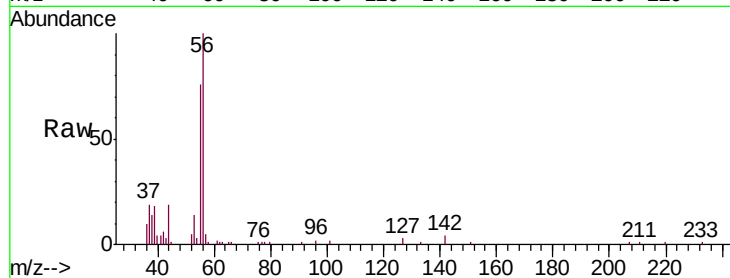
ICVVF082118

Tgt Ion: 56 Resp: 23425

Ion Ratio Lower Upper

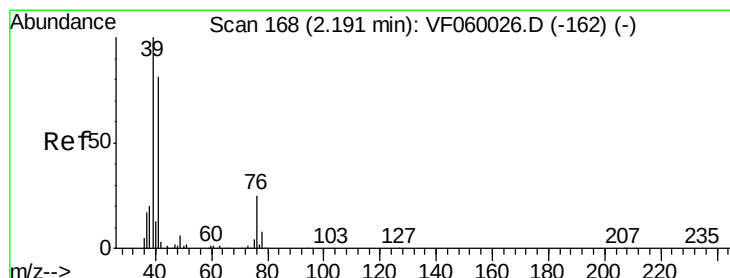
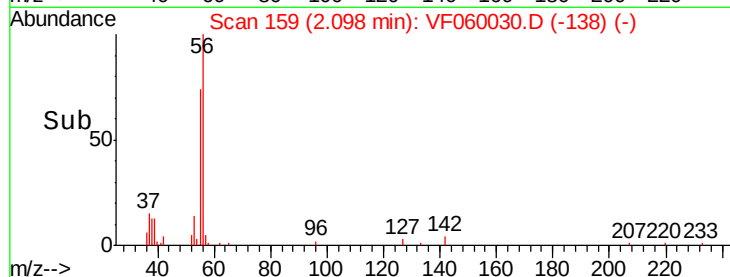
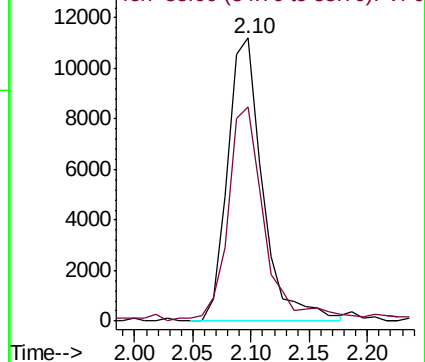
56 100

55 75.5 65.6 98.4



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 36.745 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

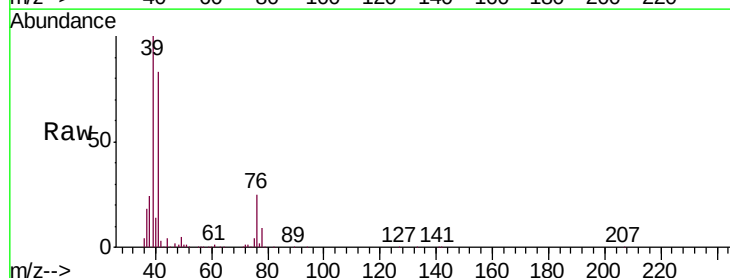
Tgt Ion: 41 Resp: 123519

Ion Ratio Lower Upper

41 100

39 120.7 99.3 148.9

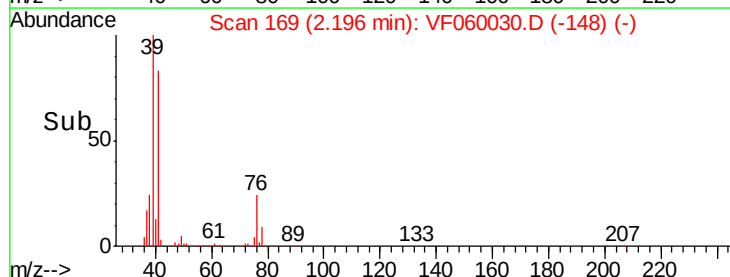
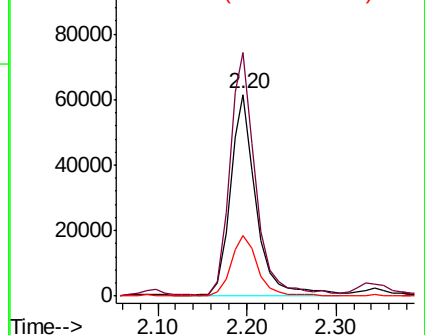
76 29.8 24.3 36.5

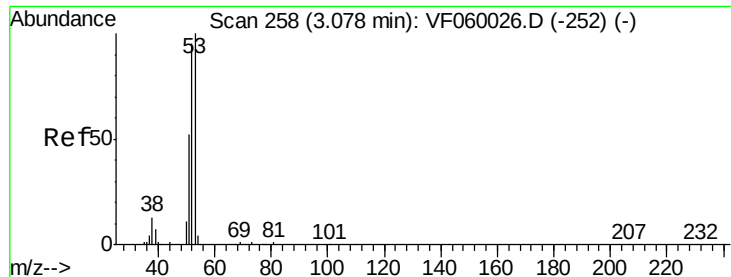


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 199.162 ug/l

RT: 3.08 min Scan# 259

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

ClientSampleId :

ICVVF082118

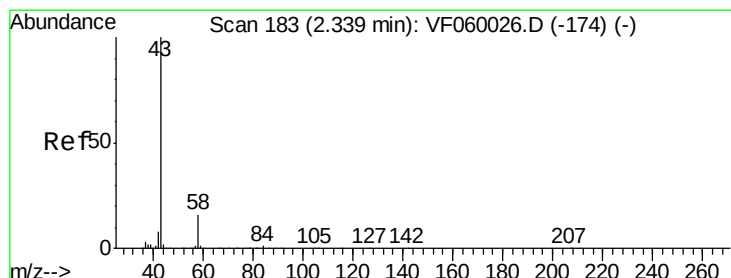
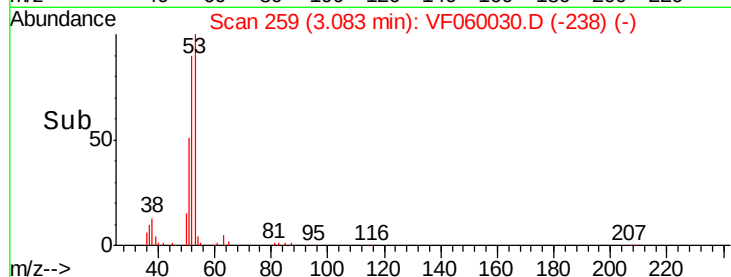
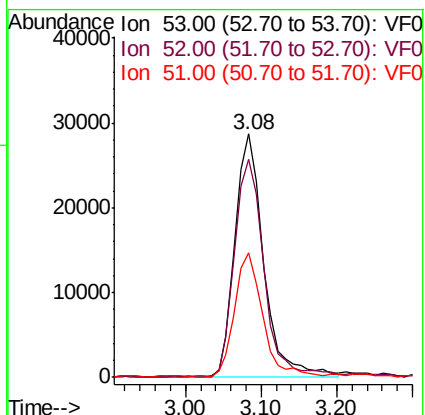
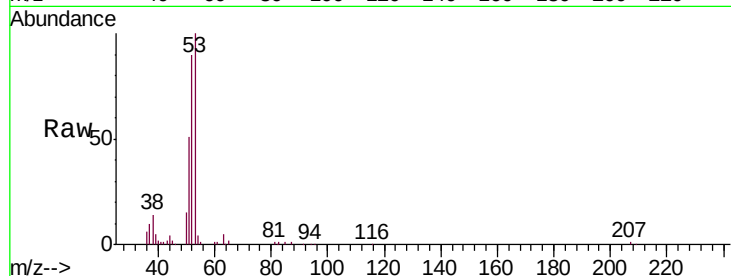
Tgt Ion: 53 Resp: 75829

Ion Ratio Lower Upper

53 100

52 89.7 75.8 113.8

51 51.2 42.1 63.1



#16

Acetone

Concen: 141.065 ug/l

RT: 2.34 min Scan# 184

Delta R.T. 0.01 min

Lab File: VF060030.D

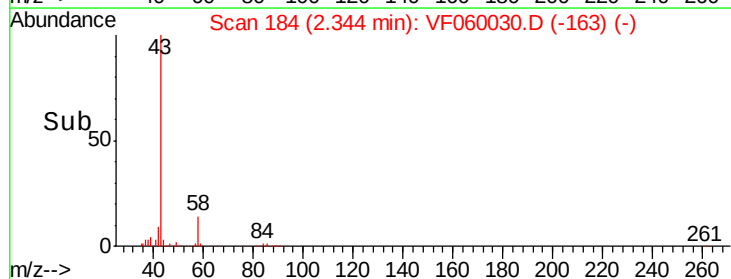
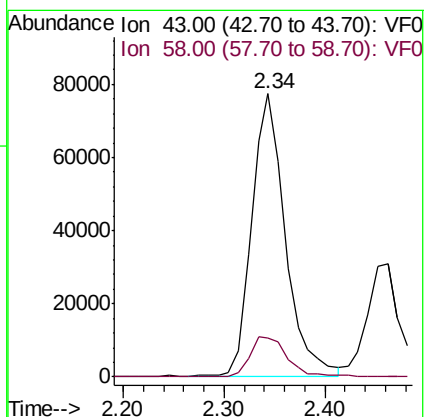
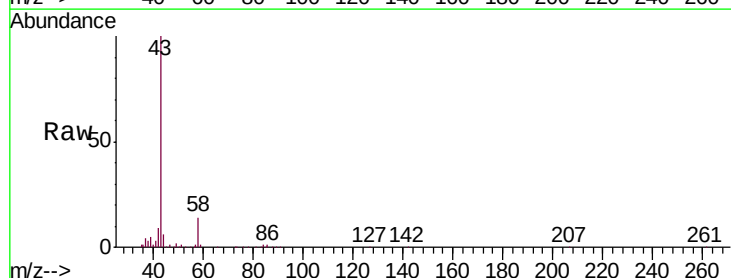
Acq: 21 Aug 2018 20:42

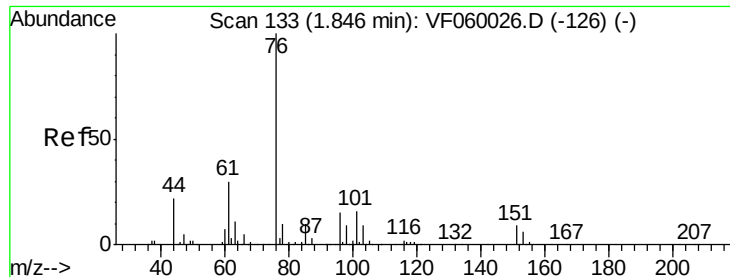
Tgt Ion: 43 Resp: 178115

Ion Ratio Lower Upper

43 100

58 13.6 12.6 19.0





#17

Carbon Disulfide

Concen: 31.404 ug/l

RT: 1.84 min Scan# 133

Delta R.T. -0.00 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

ClientSampleId :

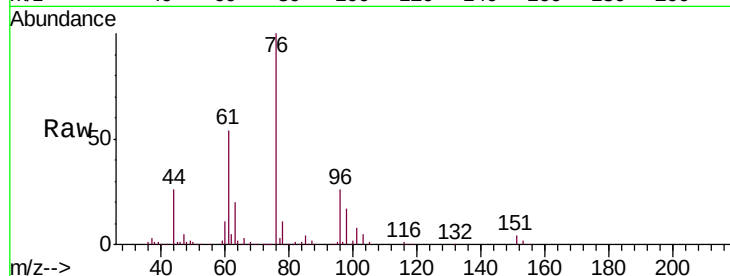
ICVVF082118

Tgt Ion: 76 Resp: 197394

Ion Ratio Lower Upper

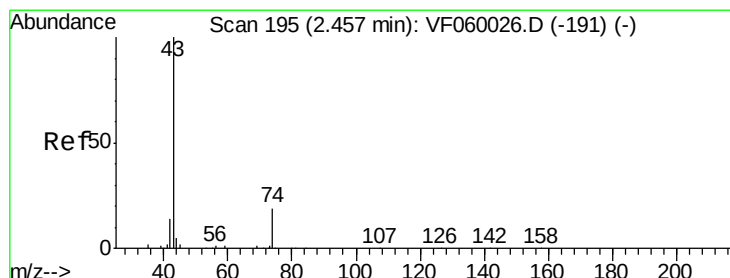
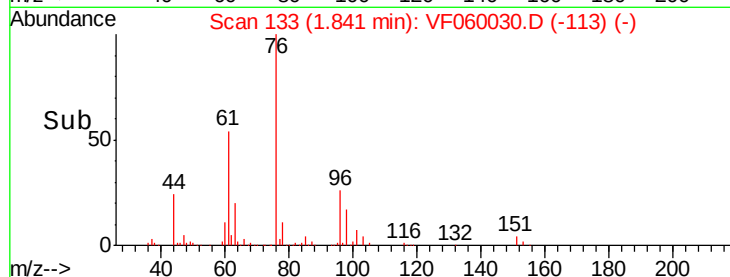
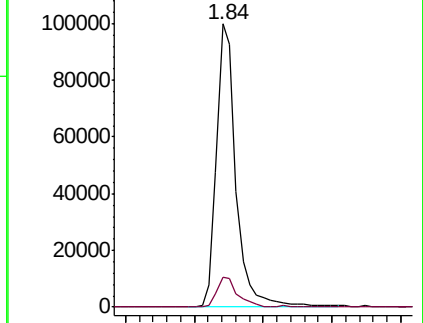
76 100

78 10.6 8.4 12.6



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 28.144 ug/l

RT: 2.46 min Scan# 196

Delta R.T. 0.01 min

Lab File: VF060030.D

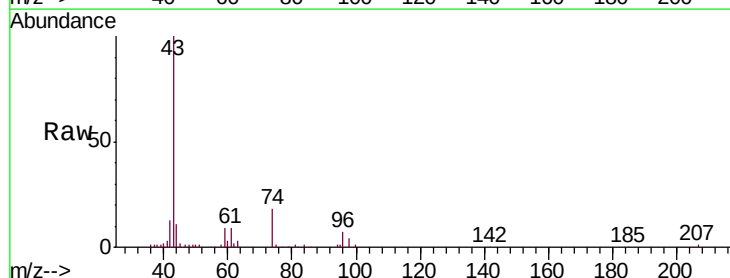
Acq: 21 Aug 2018 20:42

Tgt Ion: 43 Resp: 67842

Ion Ratio Lower Upper

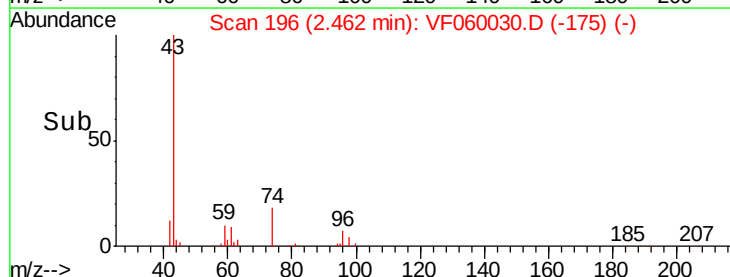
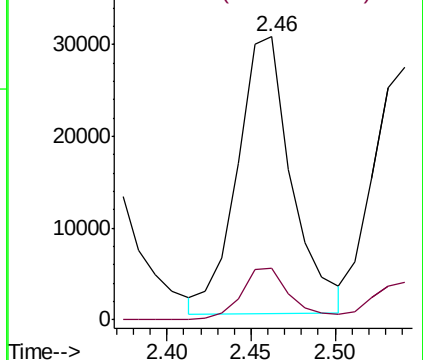
43 100

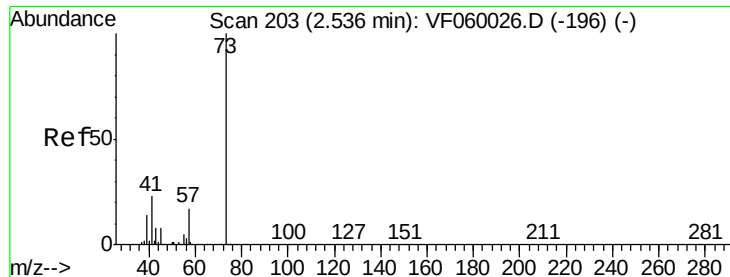
74 18.2 13.8 20.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





#19

Methyl tert-butyl Ether

Concen: 33.294 ug/l

RT: 2.54 min Scan# 204

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

ClientSampleId :

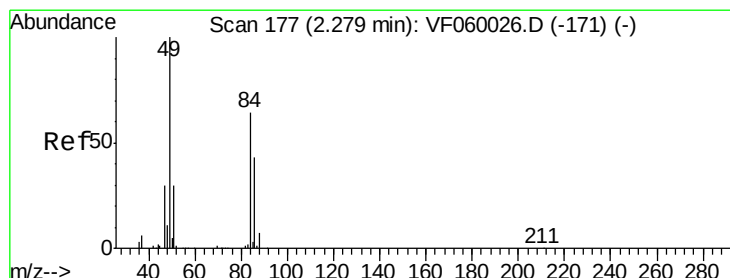
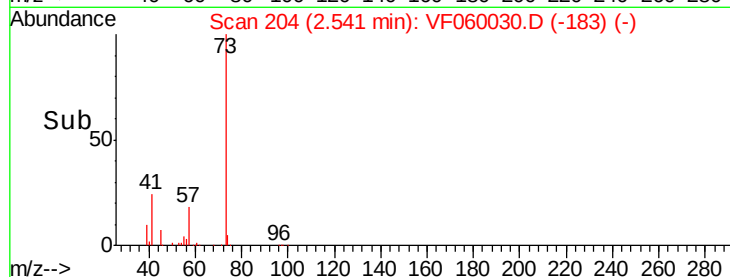
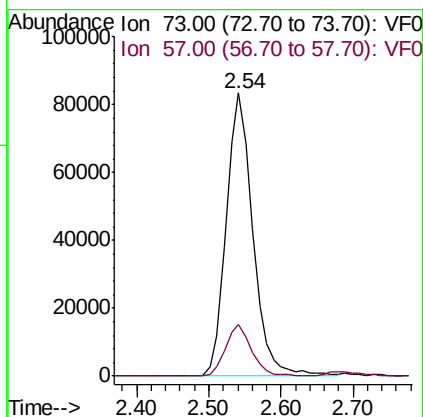
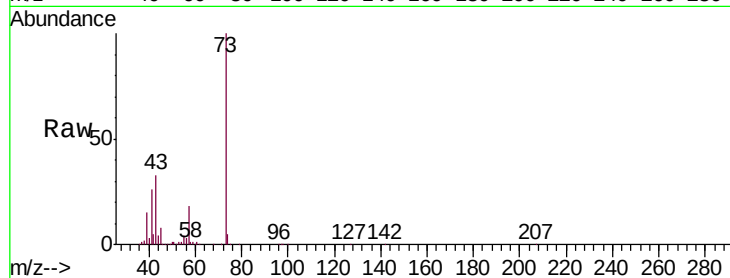
ICVVF082118

Tgt Ion: 73 Resp: 215289

Ion Ratio Lower Upper

73 100

57 18.3 13.7 20.5



#20

Methylene Chloride

Concen: 28.360 ug/l

RT: 2.28 min Scan# 178

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Tgt Ion: 84 Resp: 79650

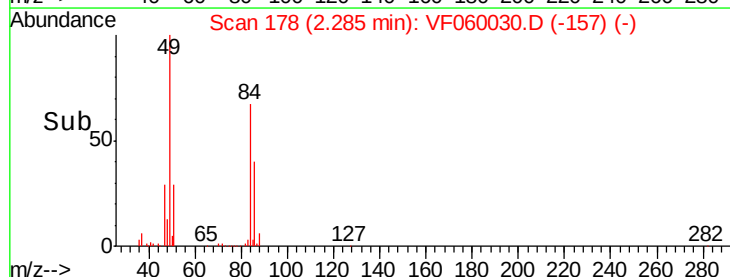
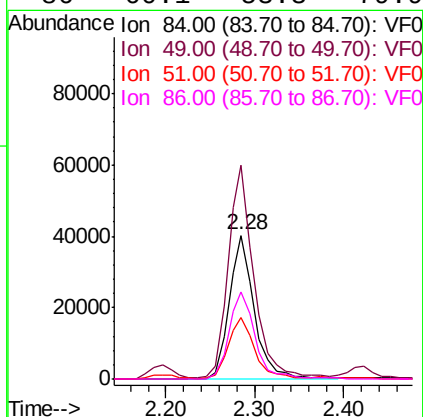
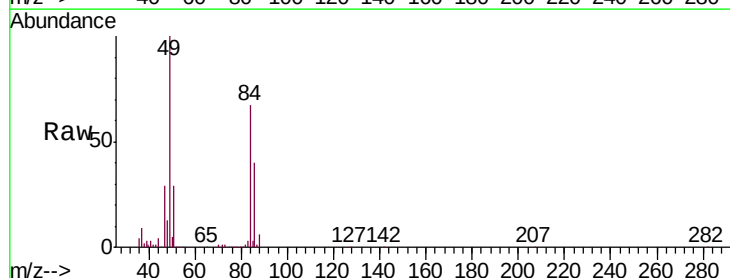
Ion Ratio Lower Upper

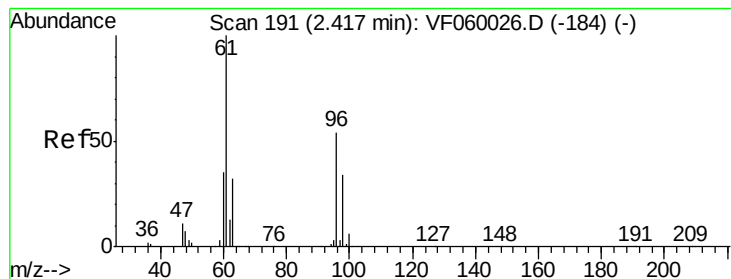
84 100

49 148.4 125.4 188.0

51 42.8 38.3 57.5

86 60.1 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 32.730 ug/l

RT: 2.41 min Scan# 191

Delta R.T. -0.00 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

ClientSampleId :

ICVVF082118

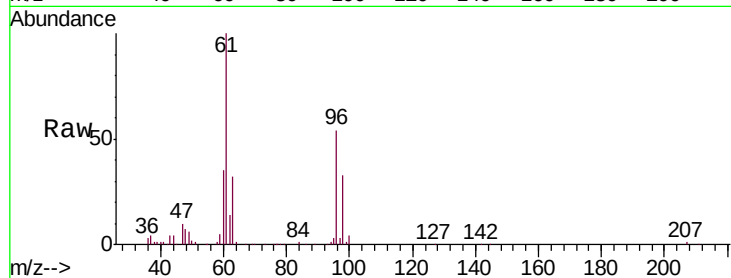
Tgt Ion: 96 Resp: 69695

Ion Ratio Lower Upper

96 100

61 185.5 147.4 221.0

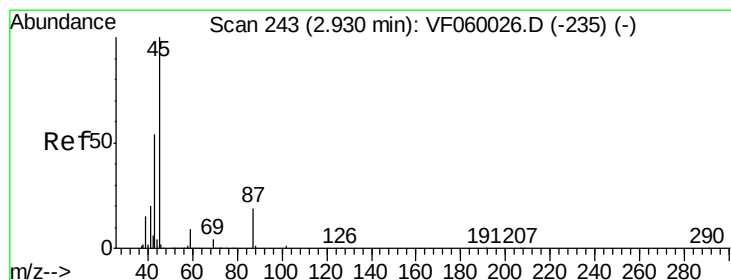
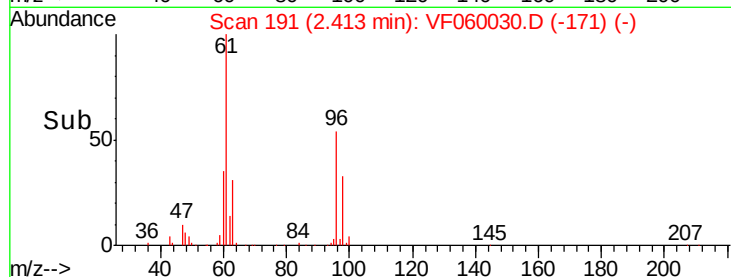
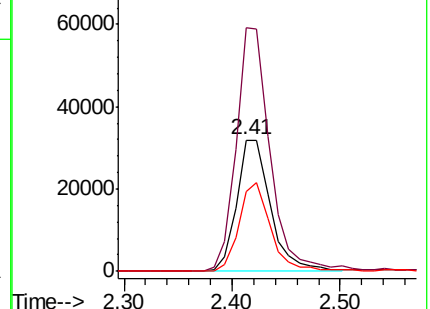
98 61.1 49.8 74.6



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: 37.114 ug/l

RT: 2.93 min Scan# 243

Delta R.T. -0.00 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Tgt Ion: 45 Resp: 267681

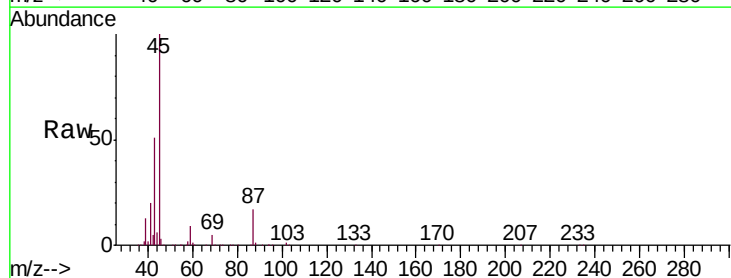
Ion Ratio Lower Upper

45 100

43 50.7 43.4 65.2

87 16.5 15.4 23.2

59 8.8 7.5 11.3

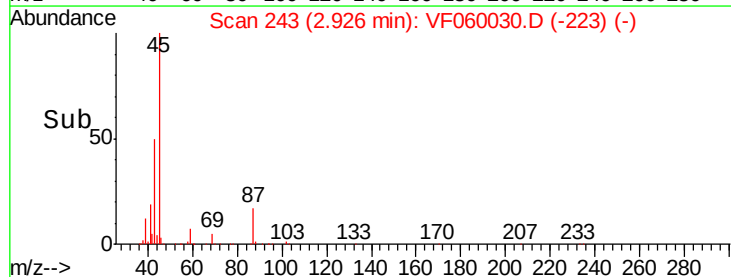
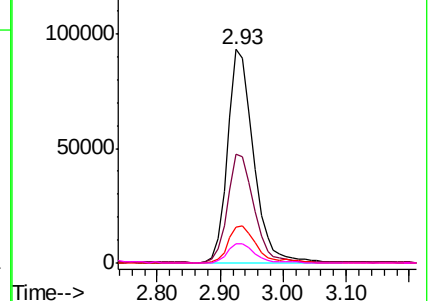


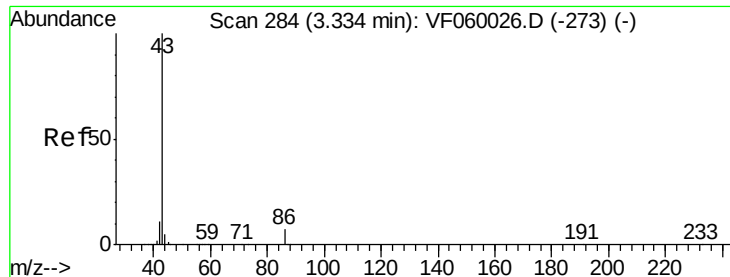
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 261.176 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

ClientSampleId :

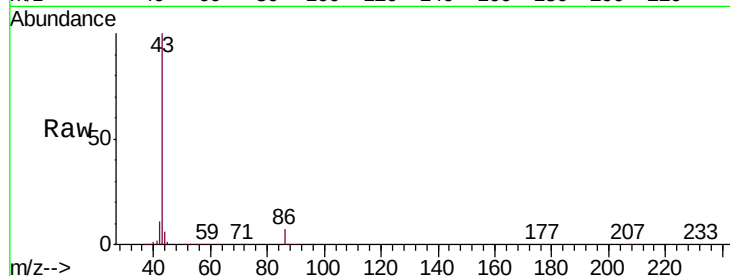
ICVVF082118

Tgt Ion: 43 Resp: 787432

Ion Ratio Lower Upper

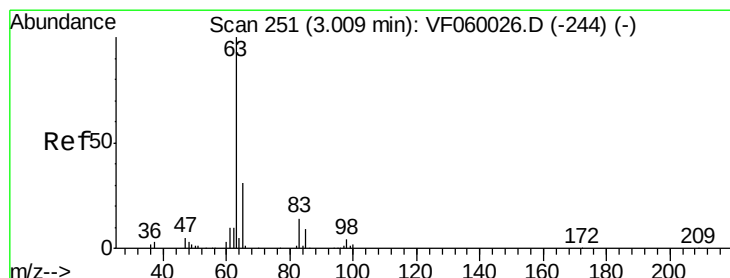
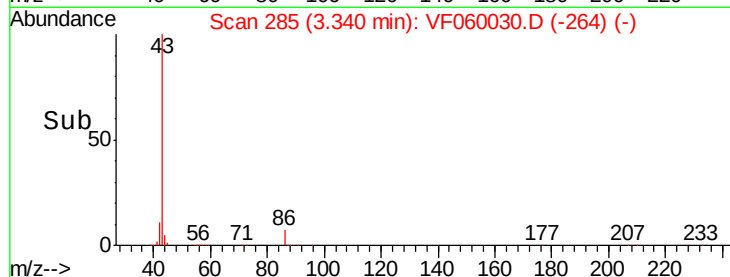
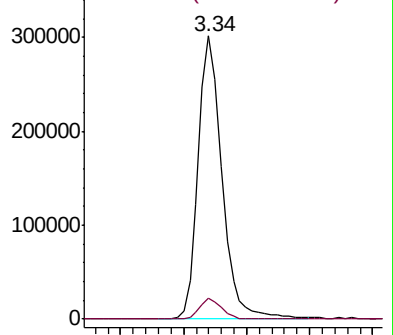
43 100

86 7.2 5.6 8.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 35.525 ug/l

RT: 3.01 min Scan# 252

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

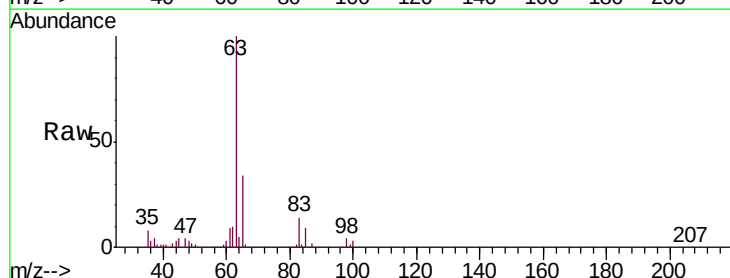
Tgt Ion: 63 Resp: 165439

Ion Ratio Lower Upper

63 100

98 3.7 2.1 6.5

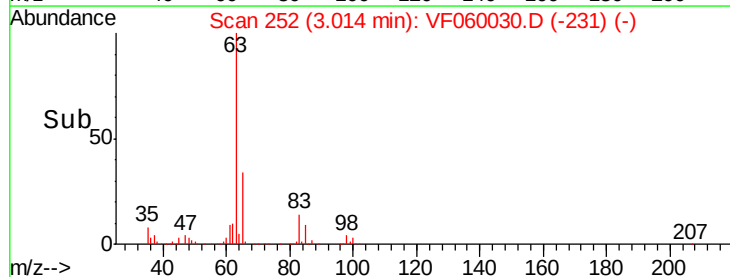
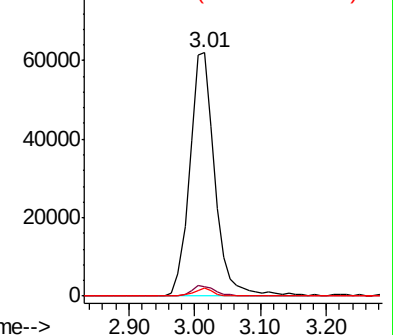
100 3.4 1.1 3.3#

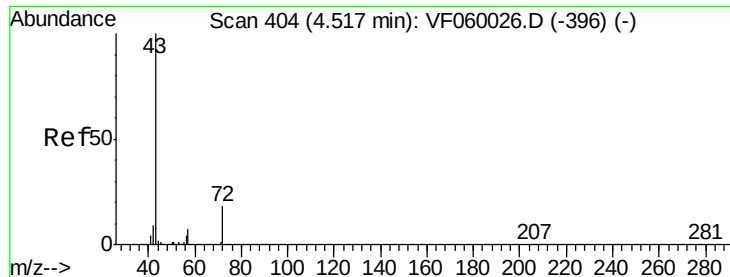


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 242.624 ug/l

RT: 4.52 min Scan# 405

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

ClientSampleId :

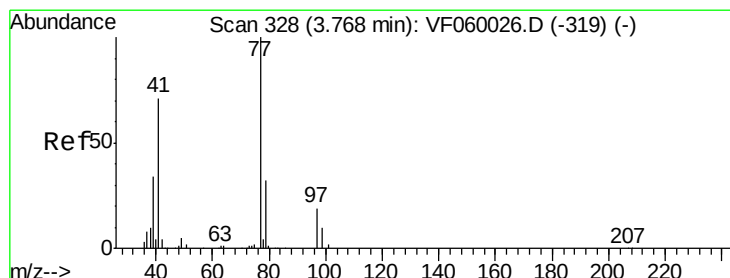
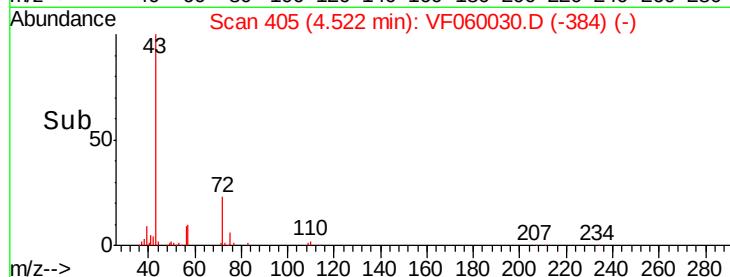
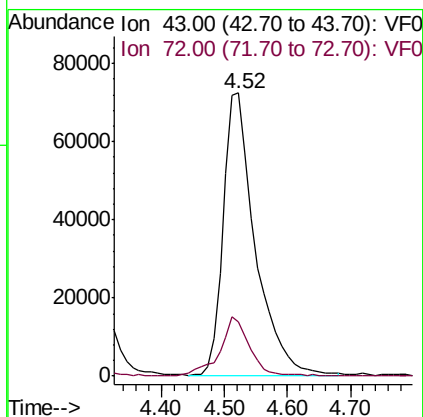
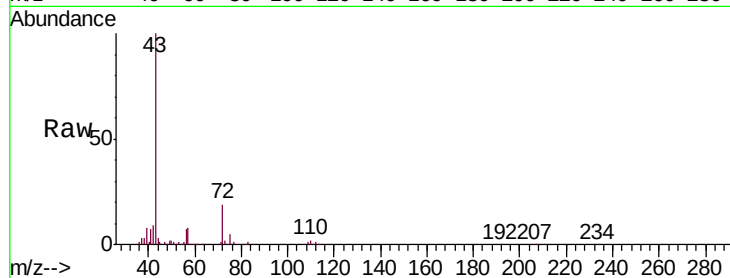
ICVVF082118

Tgt Ion: 43 Resp: 252949

Ion Ratio Lower Upper

43 100

72 19.3 15.0 22.6



#26

2,2-Dichloropropane

Concen: 40.463 ug/l

RT: 3.77 min Scan# 329

Delta R.T. 0.01 min

Lab File: VF060030.D

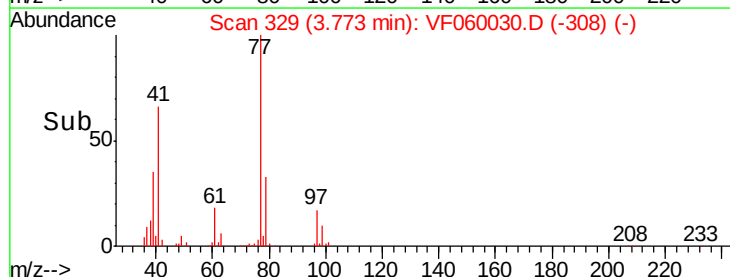
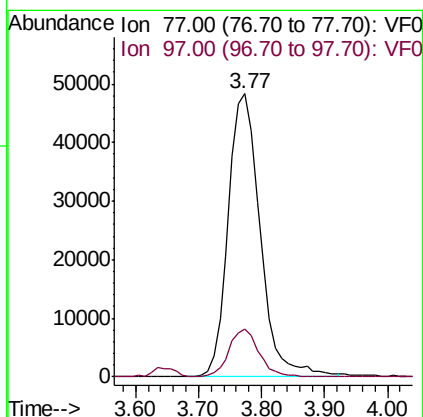
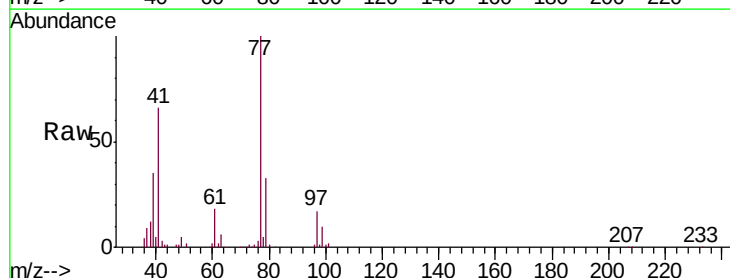
Acq: 21 Aug 2018 20:42

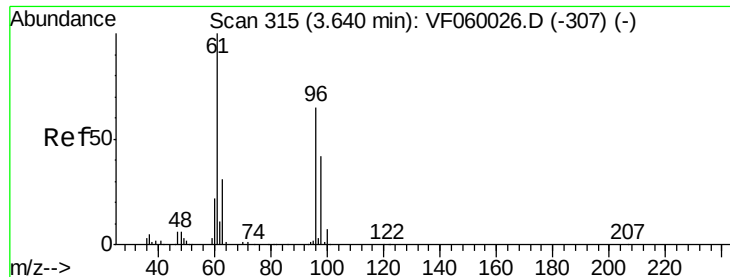
Tgt Ion: 77 Resp: 170141

Ion Ratio Lower Upper

77 100

97 17.1 9.7 29.1



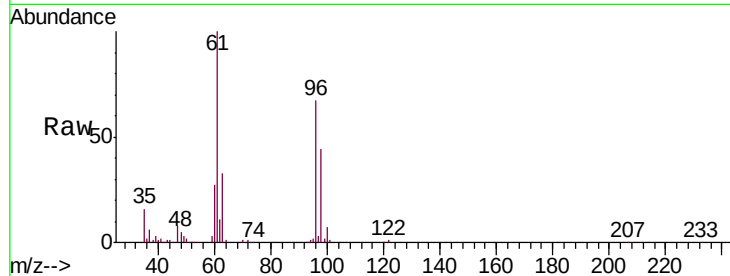


#27

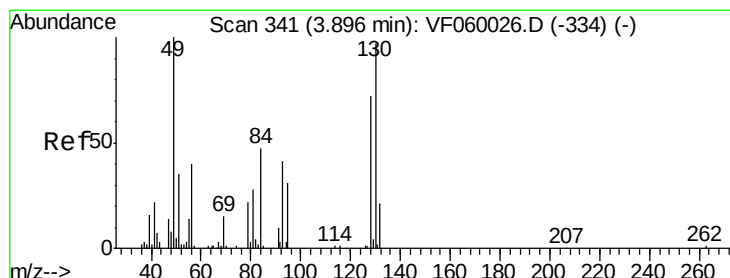
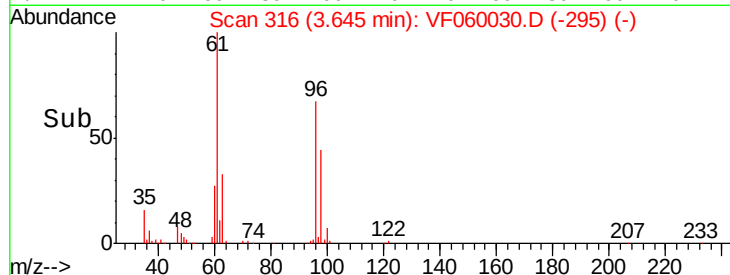
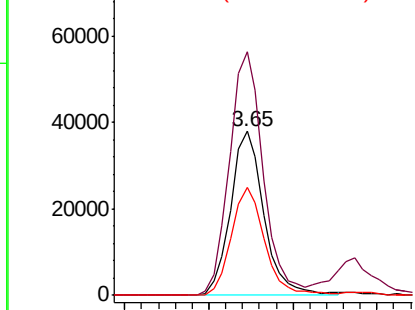
cis-1,2-Dichloroethene
Concen: 50.795 ug/l
RT: 3.65 min Scan# 316
Delta R.T. 0.01 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Instrument :
MSVOA_F
ClientSampleId :
ICVVF082118

Tgt Ion: 96 Resp: 105150
Ion Ratio Lower Upper
96 100
61 148.3 0.0 307.6
98 65.7 0.0 128.4



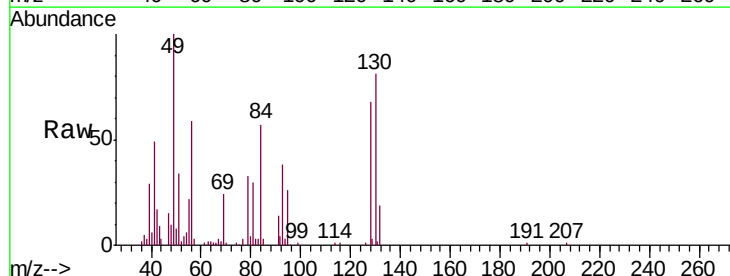
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



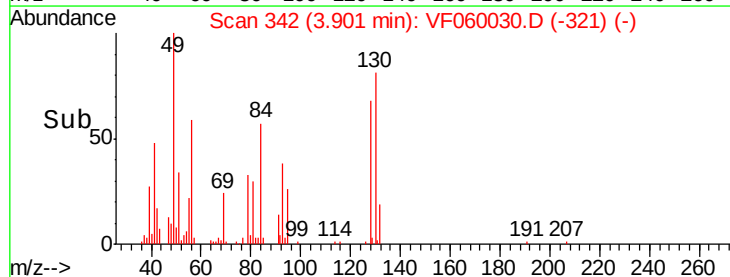
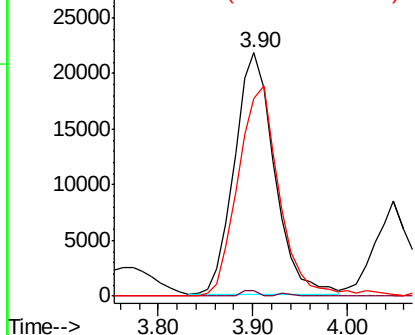
#28

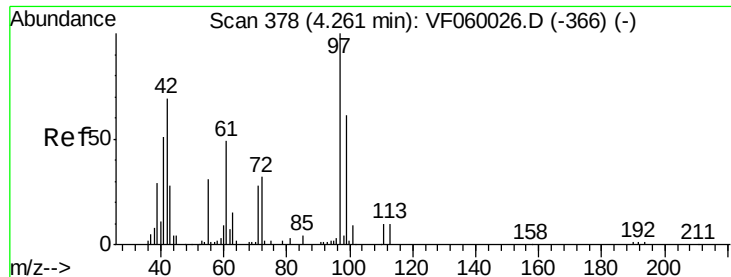
Bromochloromethane
Concen: 44.271 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.01 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Tgt Ion: 49 Resp: 63605
Ion Ratio Lower Upper
49 100
129 2.5 0.0 7.4
130 81.0 78.0 117.0



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

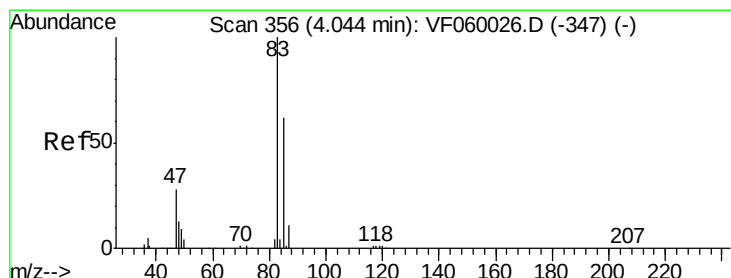
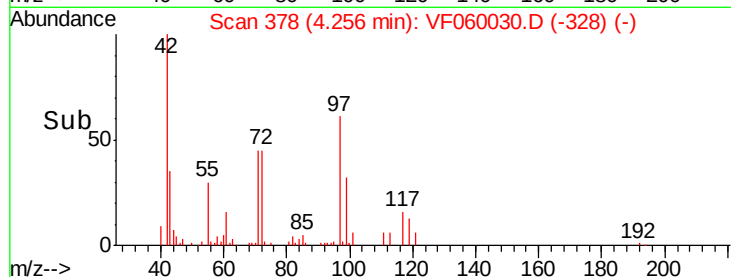
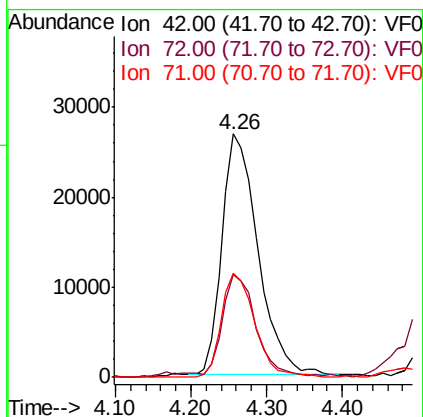
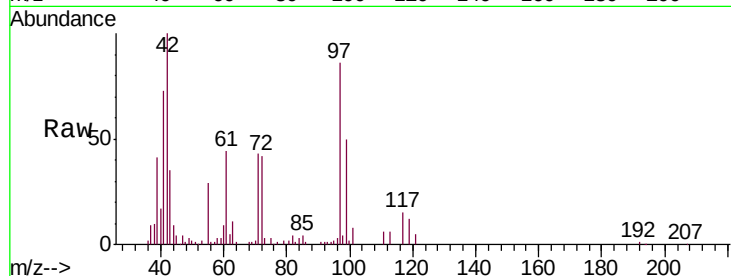




#29
Tetrahydrofuran
Concen: 235.798 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.00 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

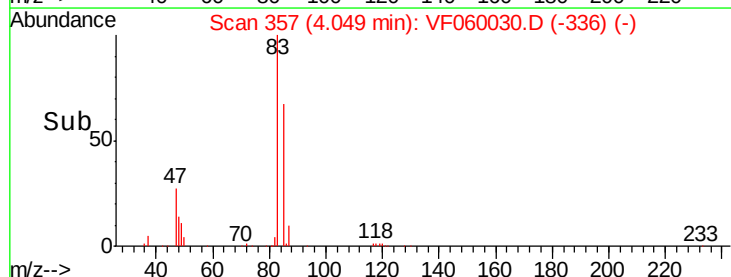
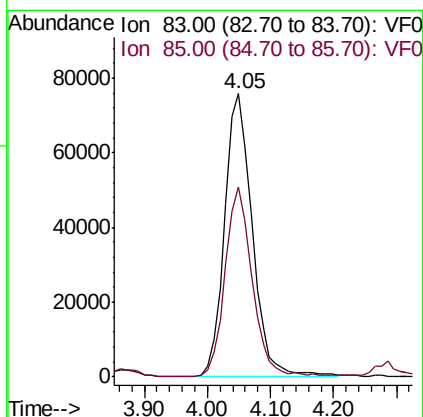
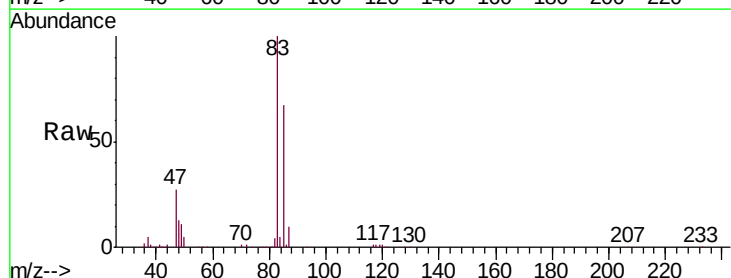
Instrument :
MSVOA_F
ClientSampleId :
ICVVF082118

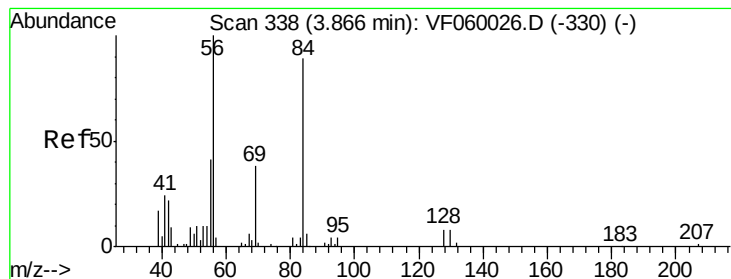
Tgt Ion: 42 Resp: 88191
Ion Ratio Lower Upper
42 100
72 40.4 31.4 47.2
71 40.7 29.7 44.5



#30
Chloroform
Concen: 41.452 ug/l
RT: 4.05 min Scan# 357
Delta R.T. 0.01 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Tgt Ion: 83 Resp: 231628
Ion Ratio Lower Upper
83 100
85 67.1 49.5 74.3





#31

Cyclohexane

Concen: 52.378 ug/l

RT: 3.87 min Scan# 339

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

ClientSampleId :

ICVVF082118

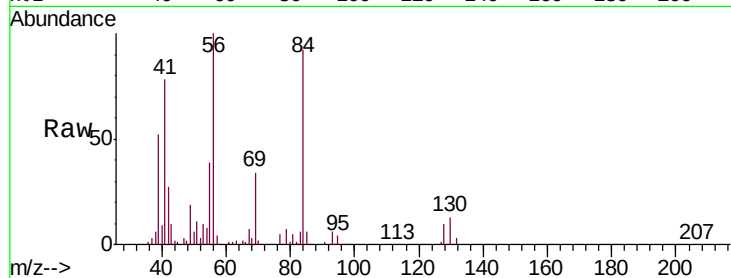
Tgt Ion: 56 Resp: 121890

Ion Ratio Lower Upper

56 100

69 34.2 30.4 45.6

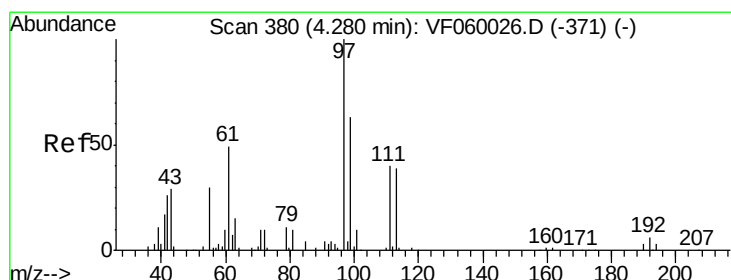
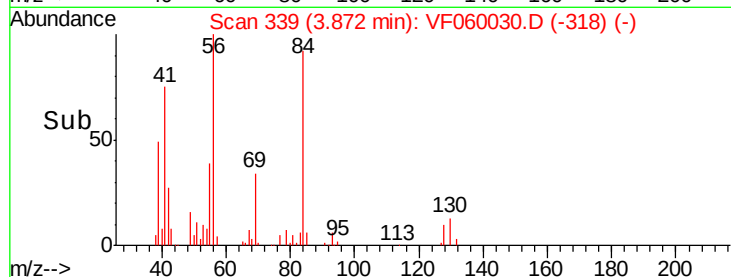
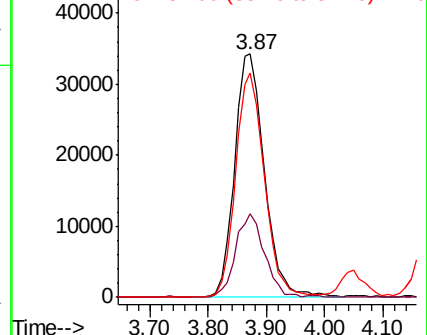
84 92.1 71.4 107.2



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 37.486 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

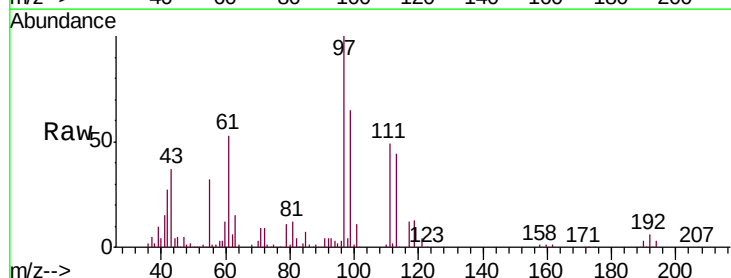
Tgt Ion: 97 Resp: 200043

Ion Ratio Lower Upper

97 100

99 65.0 50.3 75.5

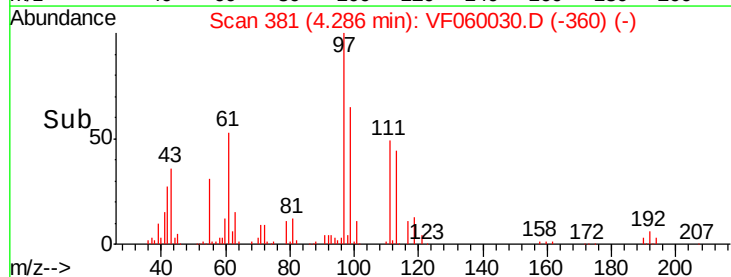
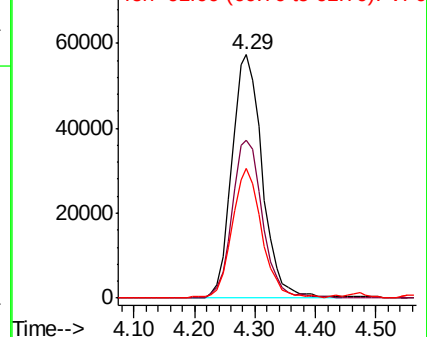
61 53.5 40.3 60.5

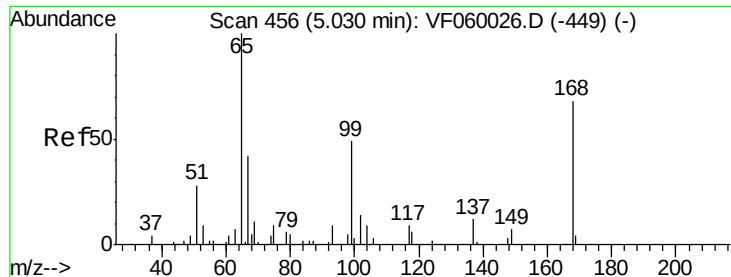


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

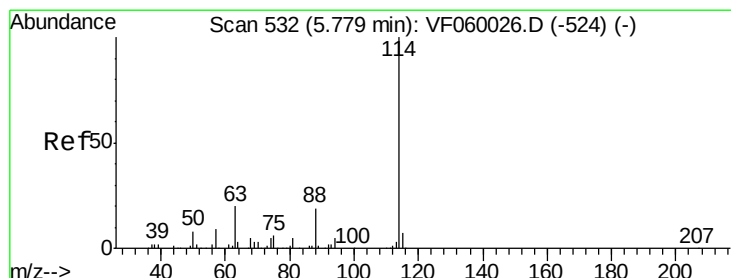
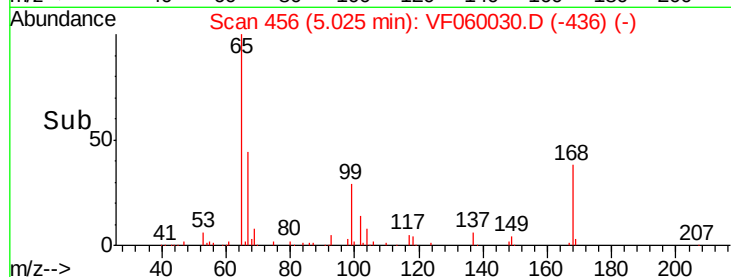
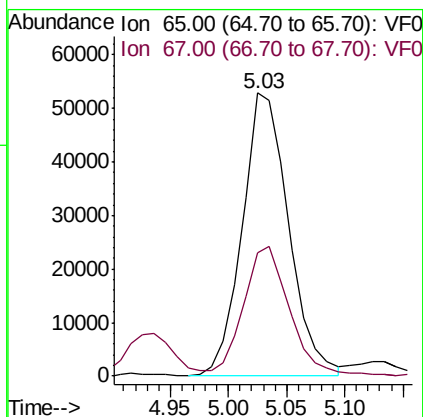
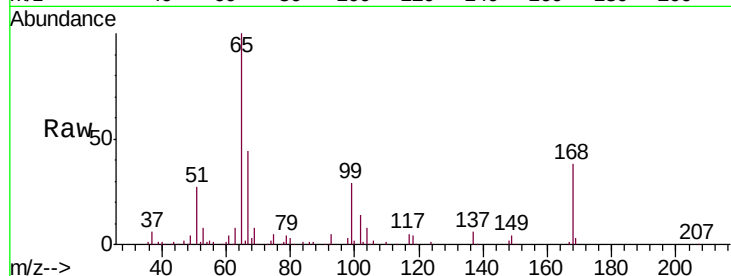




#33
 1,2-Dichloroethane-d4
 Concen: 36.056 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. -0.00 min
 Lab File: VF060030.D
 Acq: 21 Aug 2018 20:42

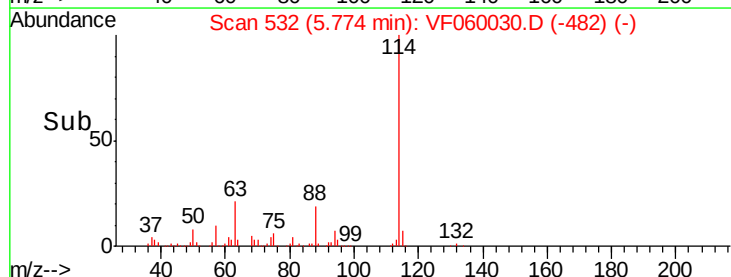
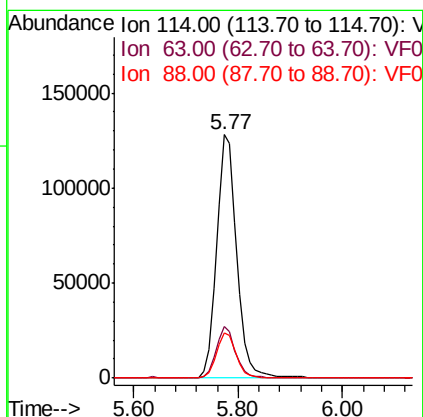
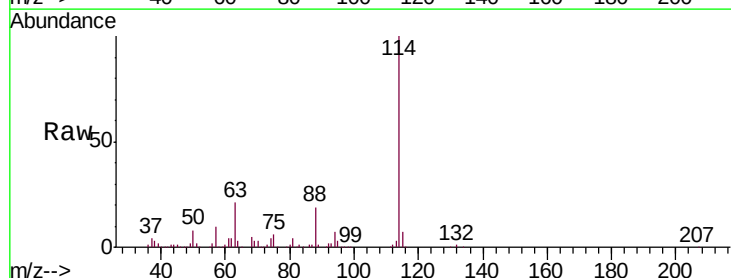
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF082118

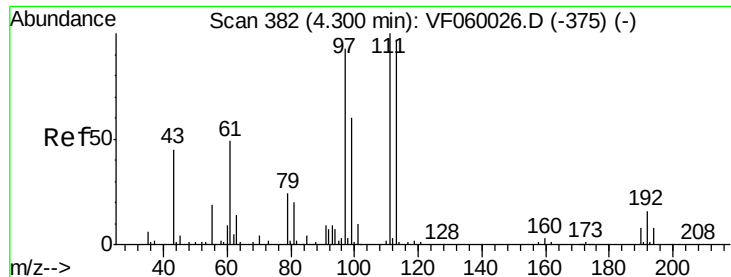
Tgt Ion: 65 Resp: 146428
 Ion Ratio Lower Upper
 65 100
 67 43.6 0.0 92.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 532
 Delta R.T. -0.00 min
 Lab File: VF060030.D
 Acq: 21 Aug 2018 20:42

Tgt Ion: 114 Resp: 343097
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 40.4
 88 18.5 0.0 38.6

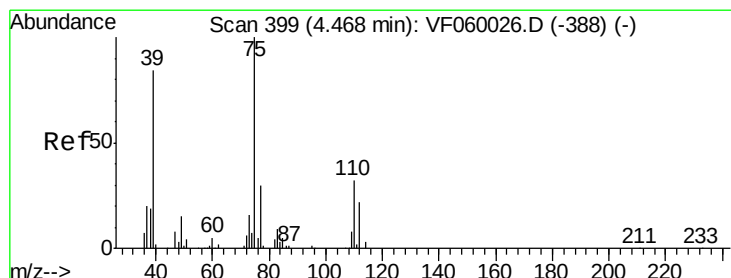
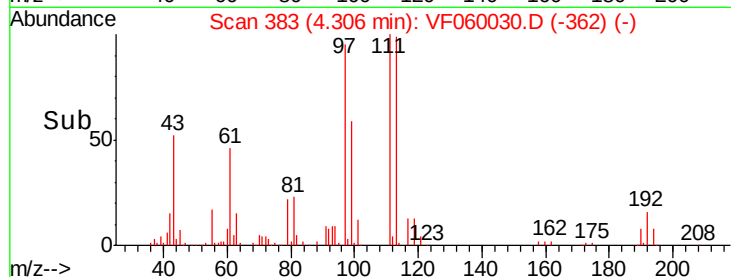
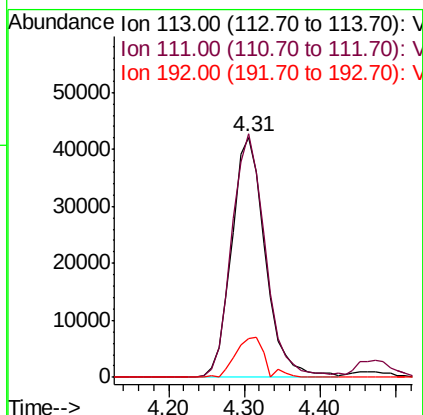
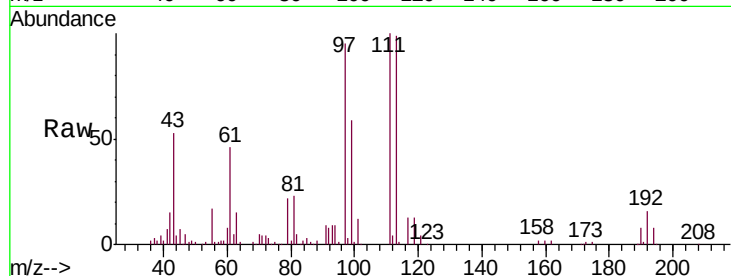




#35
 Dibromofluoromethane
 Concen: 38.411 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. 0.01 min
 Lab File: VF060030.D
 Acq: 21 Aug 2018 20:42

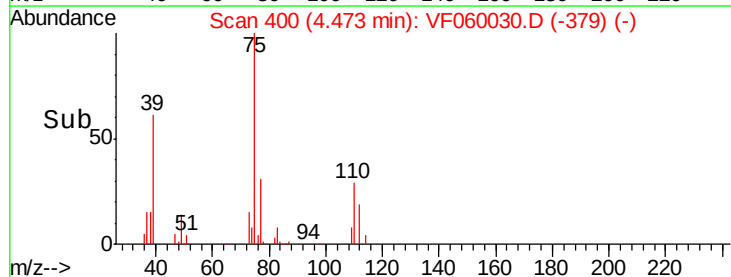
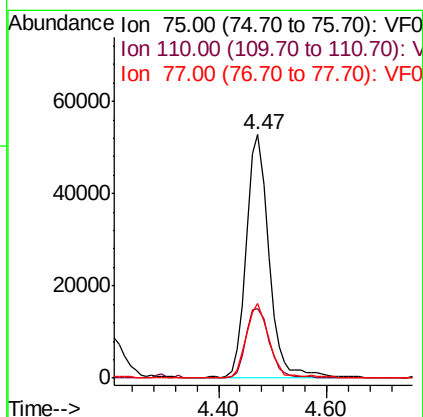
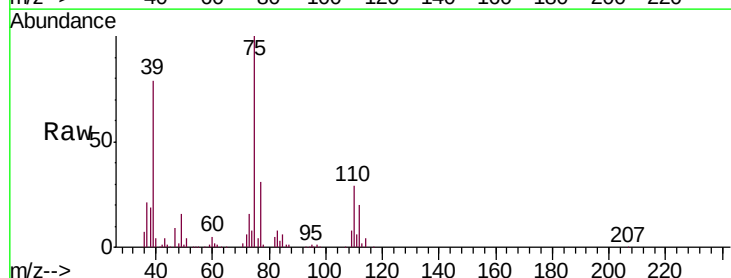
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF082118

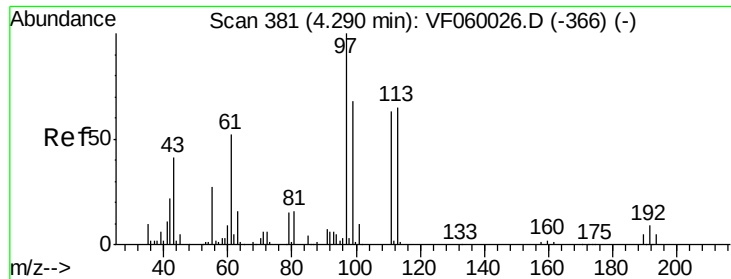
Tgt Ion: 113 Resp: 129546
 Ion Ratio Lower Upper
 113 100
 111 101.3 82.7 124.1
 192 16.1 13.0 19.4



#36
 1,1-Dichloropropene
 Concen: 40.314 ug/l
 RT: 4.47 min Scan# 400
 Delta R.T. 0.01 min
 Lab File: VF060030.D
 Acq: 21 Aug 2018 20:42

Tgt Ion: 75 Resp: 155076
 Ion Ratio Lower Upper
 75 100
 110 28.7 16.0 47.9
 77 30.7 24.1 36.1

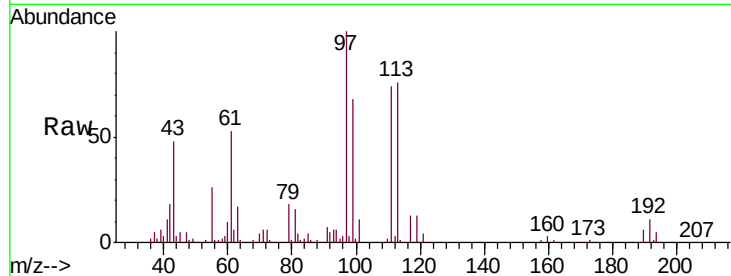




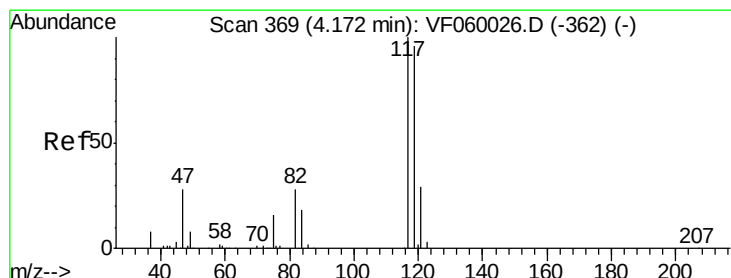
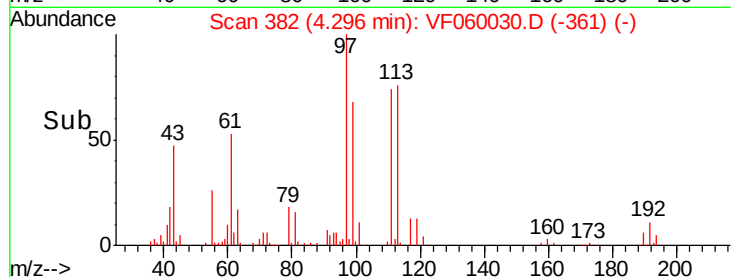
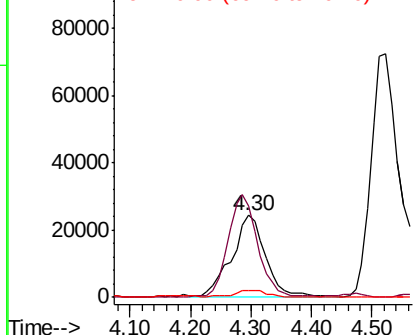
#37
Ethyl Acetate
Concen: 44.379 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.01 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Instrument :
MSVOA_F
ClientSampleId :
ICVVF082118

Tgt Ion: 43 Resp: 93374
Ion Ratio Lower Upper
43 100
61 110.7 101.5 152.3
70 7.7 6.4 9.6

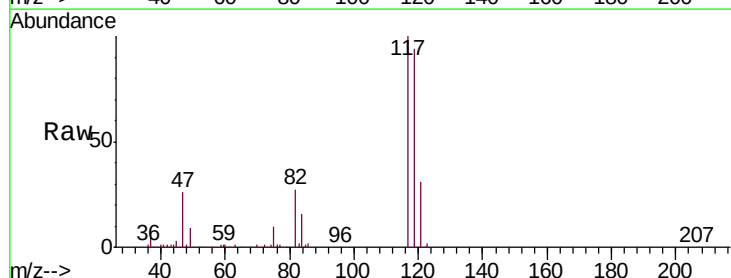


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

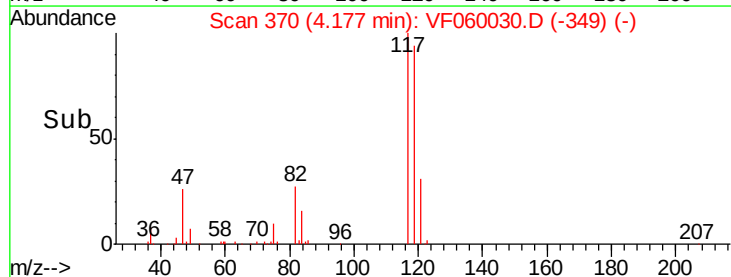
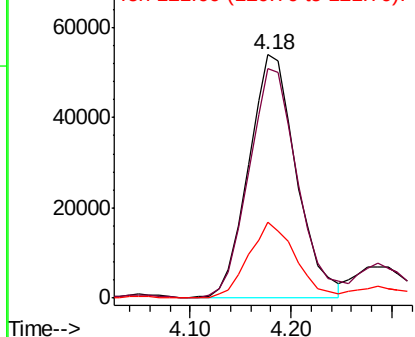


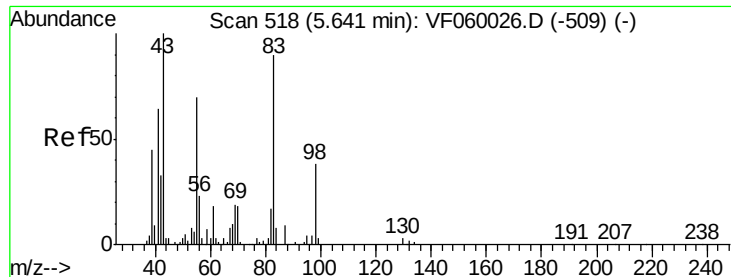
#38
Carbon Tetrachloride
Concen: 33.334 ug/l
RT: 4.18 min Scan# 370
Delta R.T. 0.01 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Tgt Ion: 117 Resp: 176955
Ion Ratio Lower Upper
117 100
119 94.4 76.5 114.7
121 31.0 23.0 34.6



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

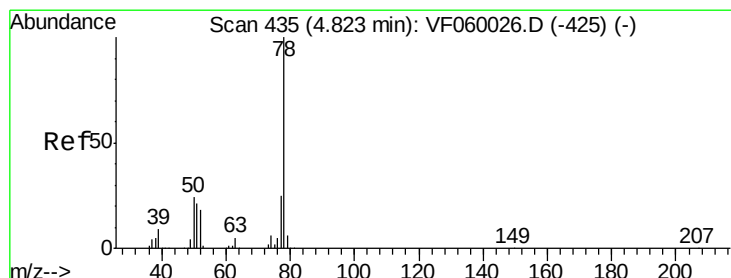
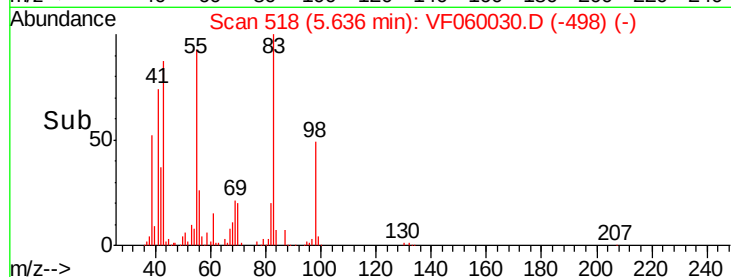
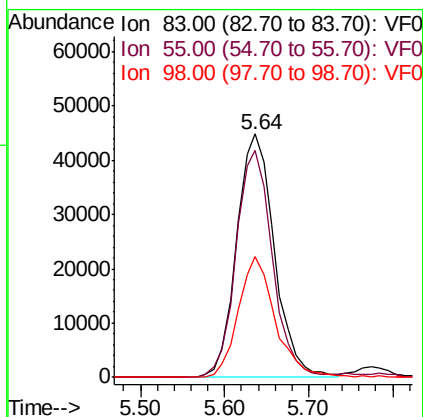
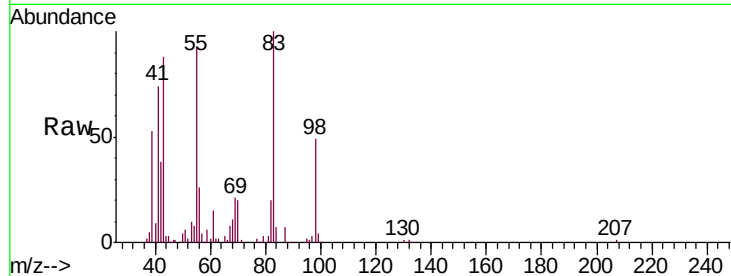




#39
Methylcyclohexane
Concen: 47.774 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.00 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

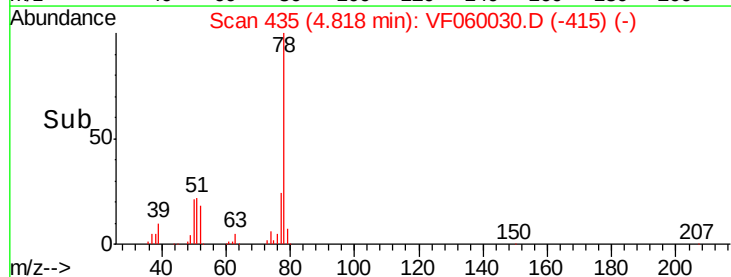
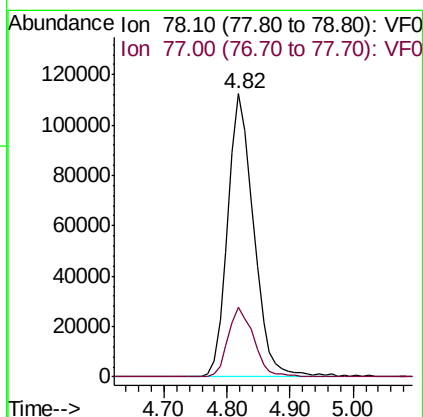
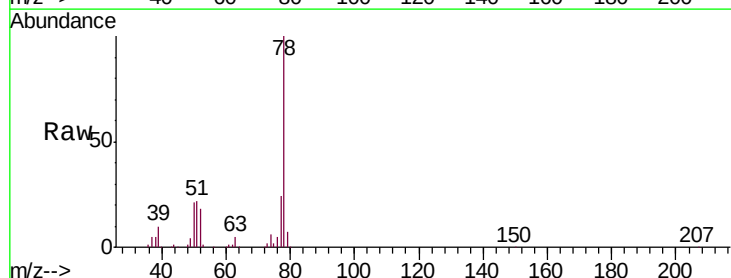
Instrument :
MSVOA_F
ClientSampleId :
ICVVF082118

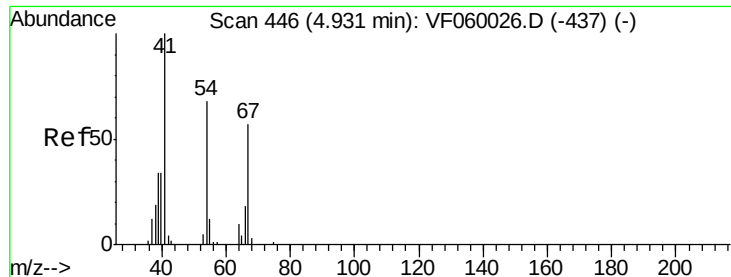
Tgt Ion: 83 Resp: 140364
Ion Ratio Lower Upper
83 100
55 93.2 62.7 94.1
98 49.4 33.8 50.8



#40
Benzene
Concen: 48.688 ug/l
RT: 4.82 min Scan# 435
Delta R.T. -0.00 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Tgt Ion: 78 Resp: 321820
Ion Ratio Lower Upper
78 100
77 24.4 19.8 29.6





#41

Methacrylonitrile

Concen: 46.332 ug/l

RT: 4.94 min Scan# 447

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

ClientSampleId :

ICVVF082118

Tgt Ion: 41 Resp: 47193

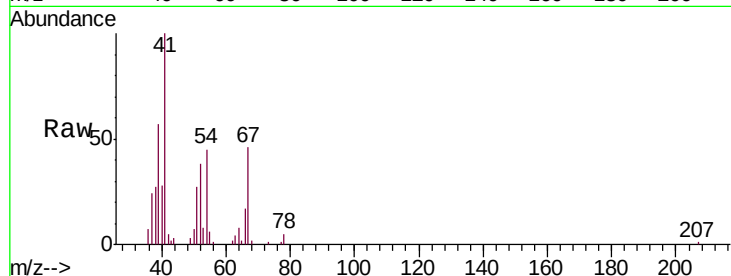
Ion Ratio Lower Upper

41 100

39 57.4 52.9 79.3

67 45.9 45.3 67.9

52 38.2 34.8 52.2

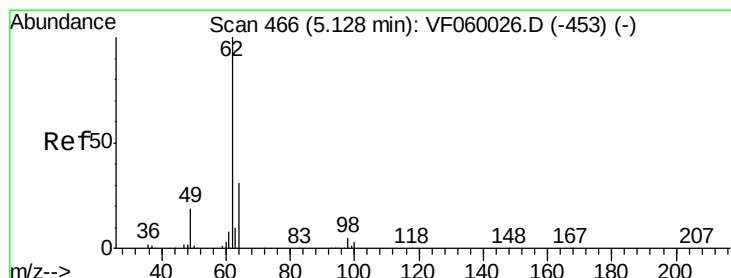
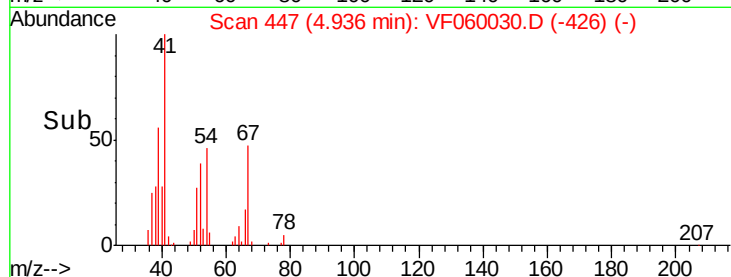
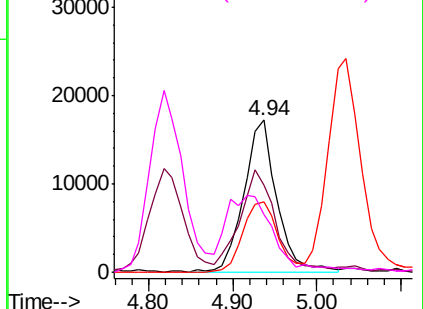


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 32.588 ug/l

RT: 5.13 min Scan# 467

Delta R.T. 0.01 min

Lab File: VF060030.D

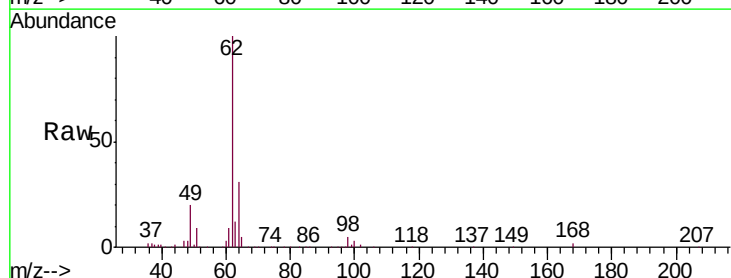
Acq: 21 Aug 2018 20:42

Tgt Ion: 62 Resp: 172840

Ion Ratio Lower Upper

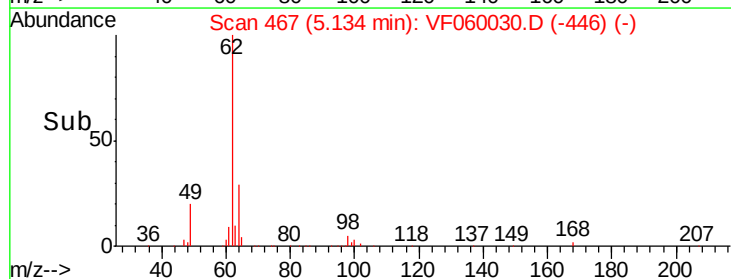
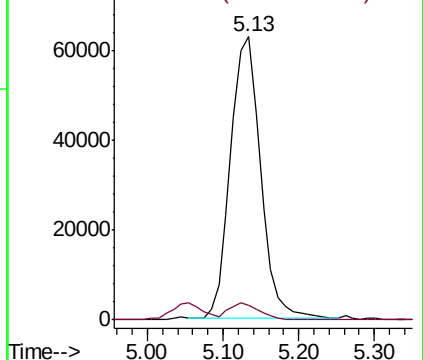
62 100

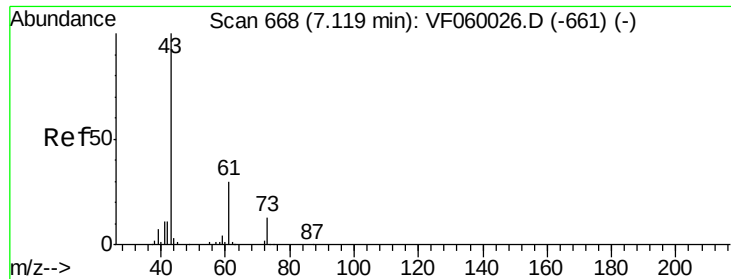
98 5.2 0.0 11.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

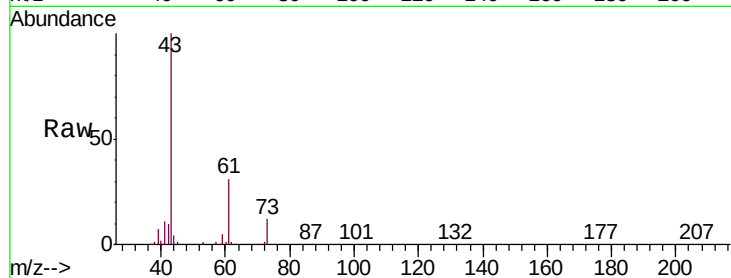




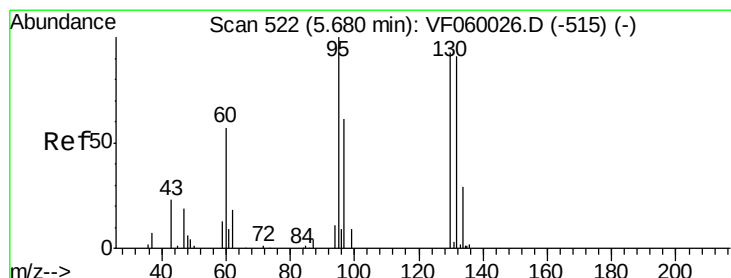
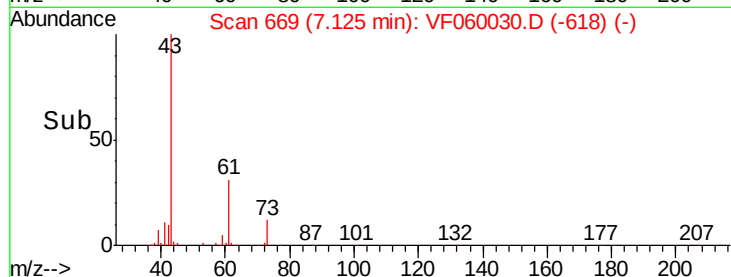
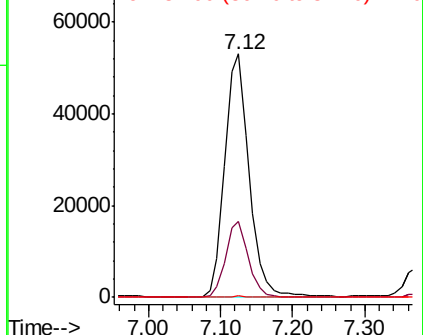
#43
Isopropyl Acetate
Concen: 52.576 ug/l
RT: 7.12 min Scan# 669
Delta R.T. 0.01 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Instrument :
MSVOA_F
ClientSampleId :
ICVVF082118

Tgt Ion: 43 Resp: 125424
Ion Ratio Lower Upper
43 100
61 31.2 23.8 35.6
87 0.4 0.2 0.4#

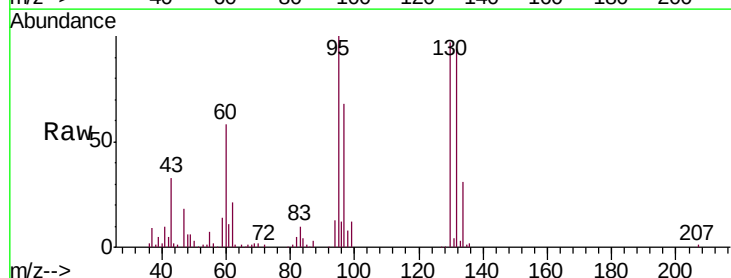


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 87.00 (86.70 to 87.70): VF0

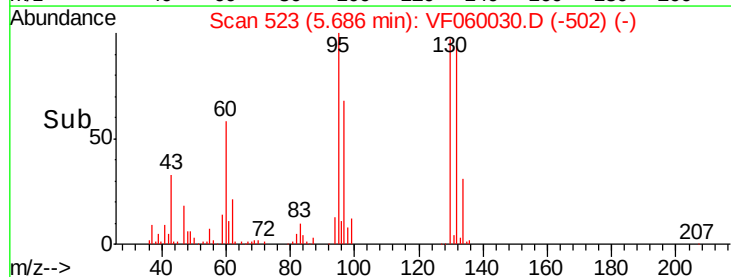
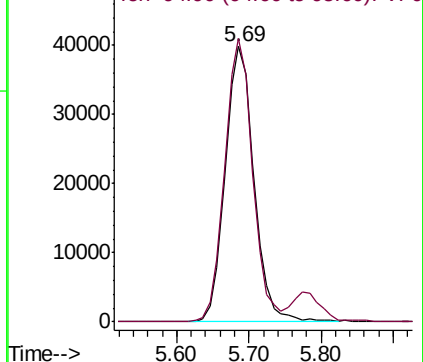


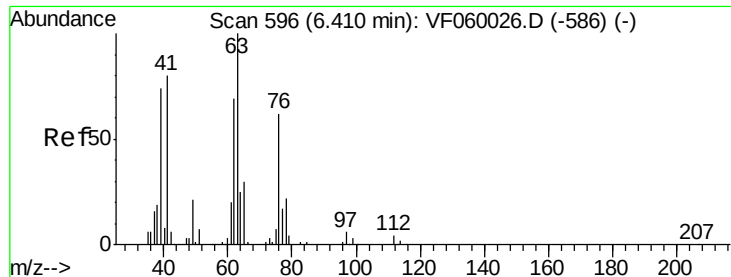
#44
Trichloroethene
Concen: 43.649 ug/l
RT: 5.69 min Scan# 523
Delta R.T. 0.01 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Tgt Ion: 130 Resp: 110320
Ion Ratio Lower Upper
130 100
95 102.7 0.0 215.8



Abundance Ion 129.90 (129.60 to 130.60): V
Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 52.263 ug/l

RT: 6.41 min Scan# 597

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

ClientSampleId :

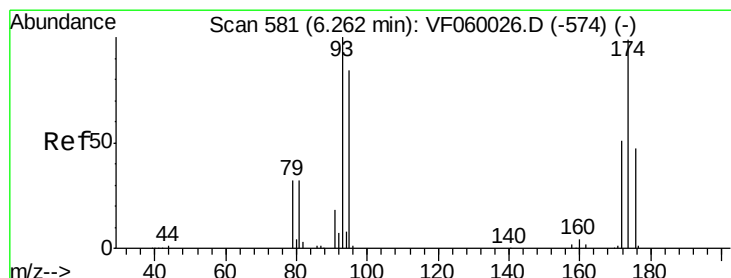
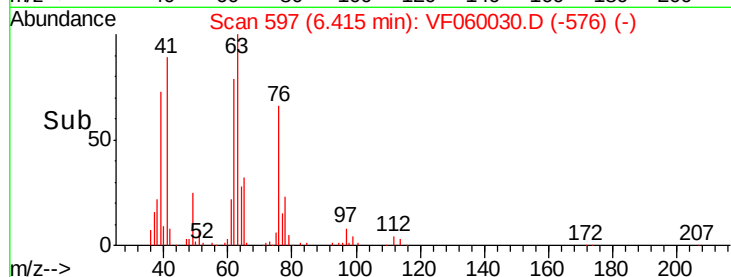
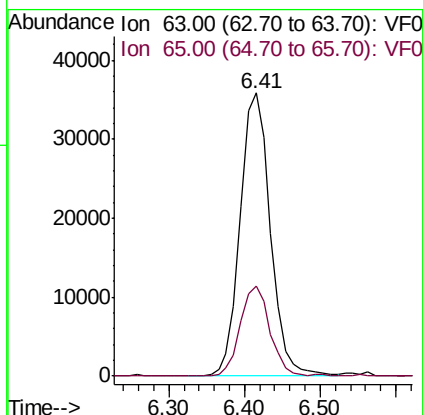
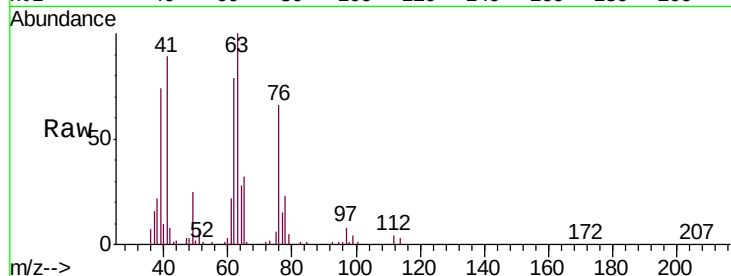
ICVVF082118

Tgt Ion: 63 Resp: 99711

Ion Ratio Lower Upper

63 100

65 31.7 23.8 35.6



#46

Dibromomethane

Concen: 41.863 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

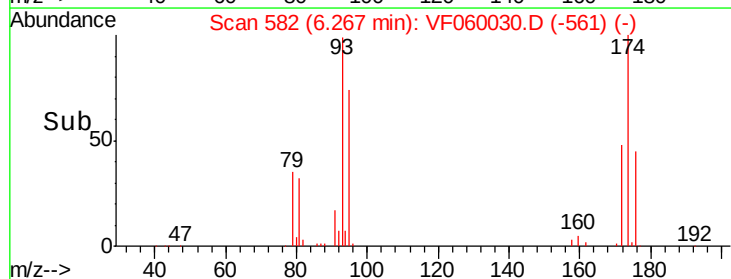
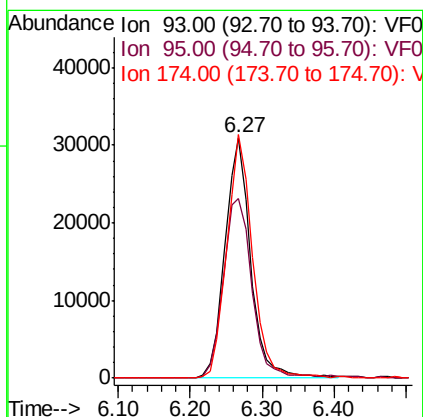
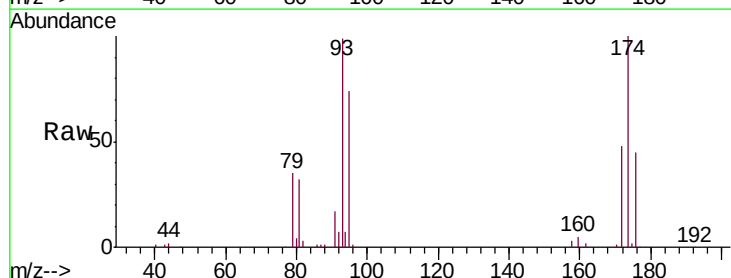
Tgt Ion: 93 Resp: 76475

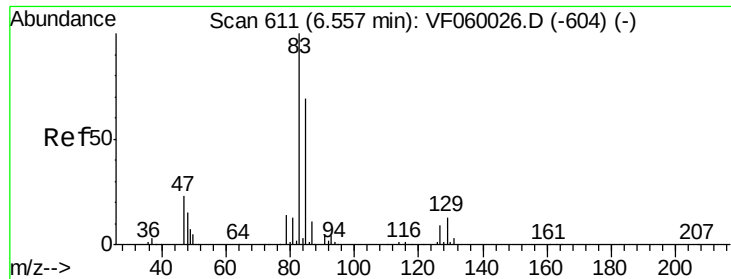
Ion Ratio Lower Upper

93 100

95 74.8 67.1 100.7

174 103.7 79.0 118.4





#47

Bromodichloromethane

Concen: 37.814 ug/l

RT: 6.56 min Scan# 612

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

ClientSampleId :

ICVVF082118

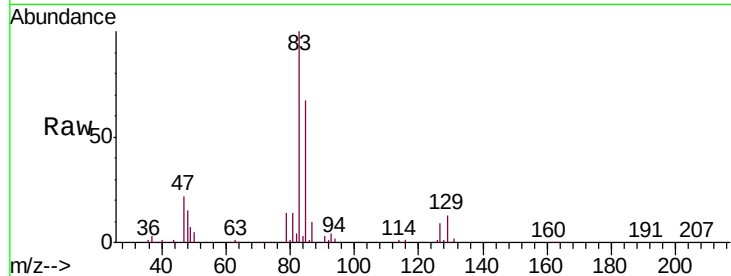
Tgt Ion: 83 Resp: 181970

Ion Ratio Lower Upper

83 100

85 67.1 55.2 82.8

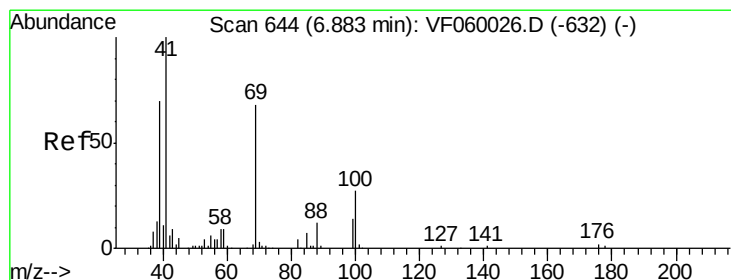
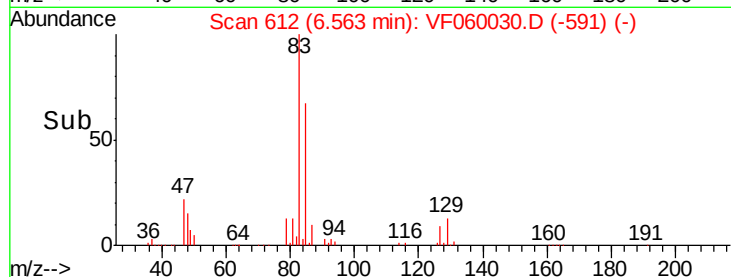
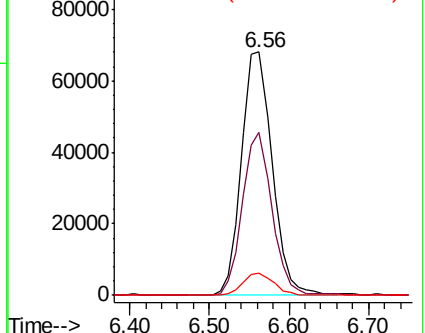
127 9.2 7.3 10.9



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: 45.351 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

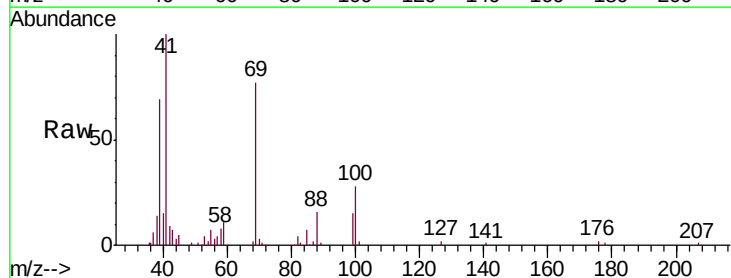
Tgt Ion: 41 Resp: 78822

Ion Ratio Lower Upper

41 100

69 77.1 54.6 81.8

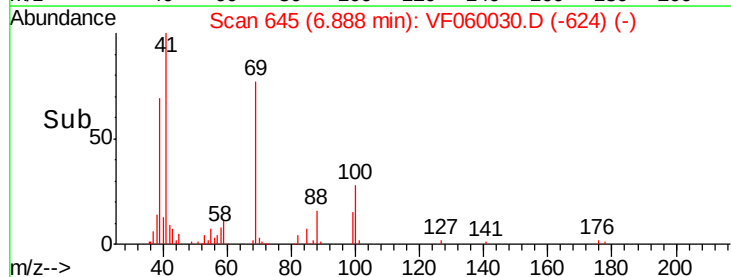
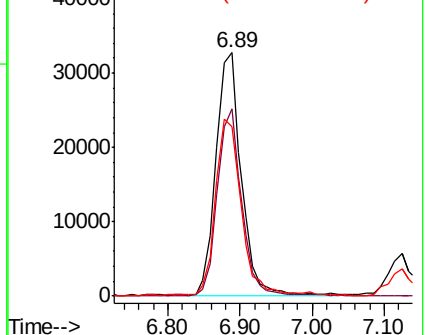
39 69.3 56.5 84.7

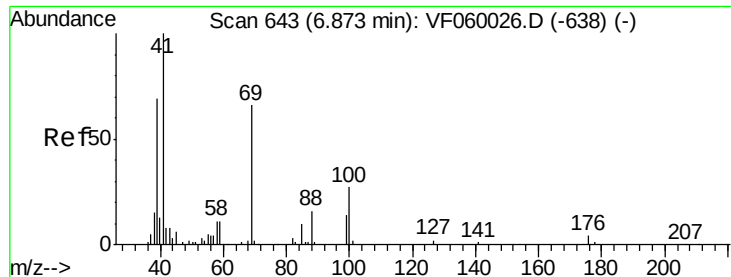


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

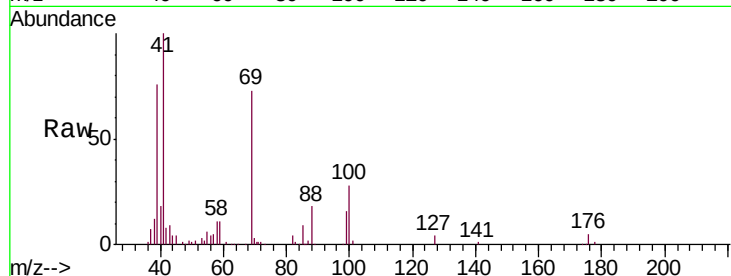




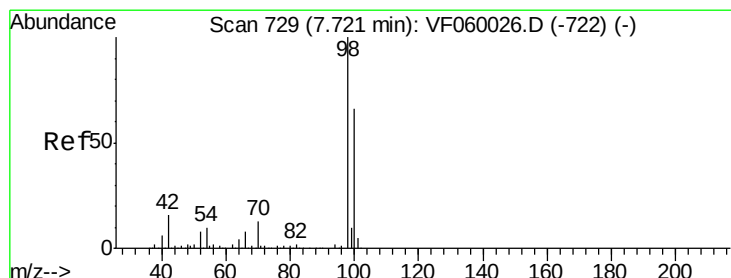
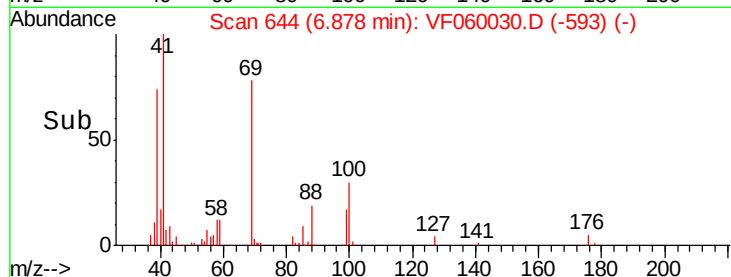
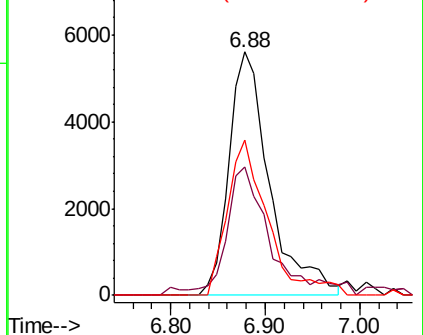
#49
 1,4-Dioxane
 Concen: 1227.465 ug/l
 RT: 6.88 min Scan# 644
 Delta R.T. 0.01 min
 Lab File: VF060030.D
 Acq: 21 Aug 2018 20:42

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF082118

Tgt Ion: 88 Resp: 16749
 Ion Ratio Lower Upper
 88 100
 43 52.9 46.5 69.7
 58 63.9 54.8 82.2

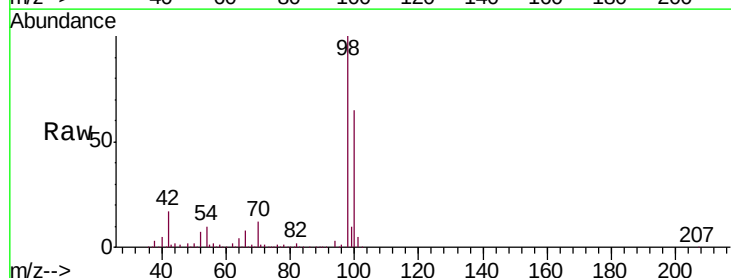


Abundance Ion 88.00 (87.70 to 88.70): VF0
 Ion 43.00 (42.70 to 43.70): VF0
 Ion 58.00 (57.70 to 58.70): VF0

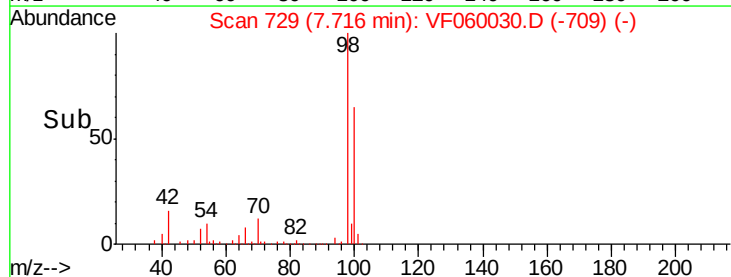
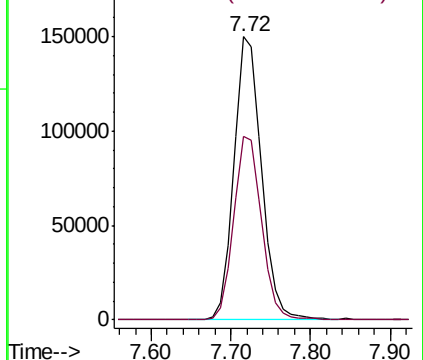


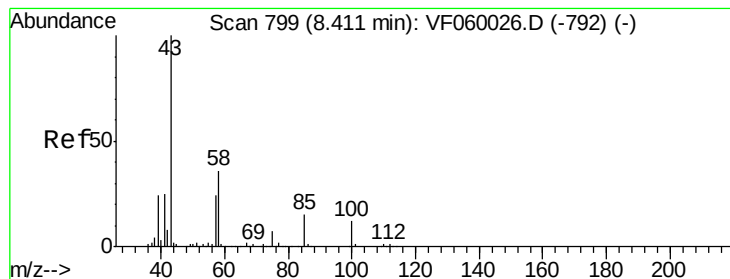
#50
 Toluene-d8
 Concen: 46.785 ug/l
 RT: 7.72 min Scan# 729
 Delta R.T. -0.00 min
 Lab File: VF060030.D
 Acq: 21 Aug 2018 20:42

Tgt Ion: 98 Resp: 361151
 Ion Ratio Lower Upper
 98 100
 100 64.8 53.2 79.8



Abundance Ion 98.00 (97.70 to 98.70): VF0
 Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 248.032 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

ClientSampleId :

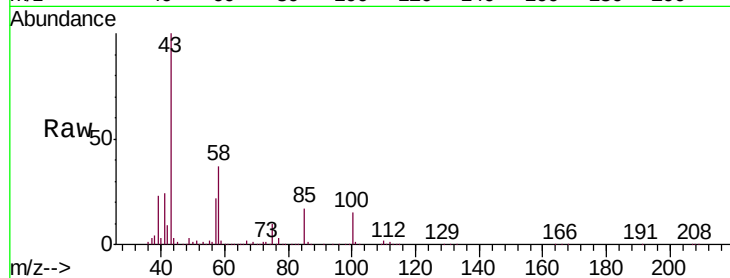
ICVVF082118

Tgt Ion: 43 Resp: 546587

Ion Ratio Lower Upper

43 100

58 37.3 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.42

250000

200000

150000

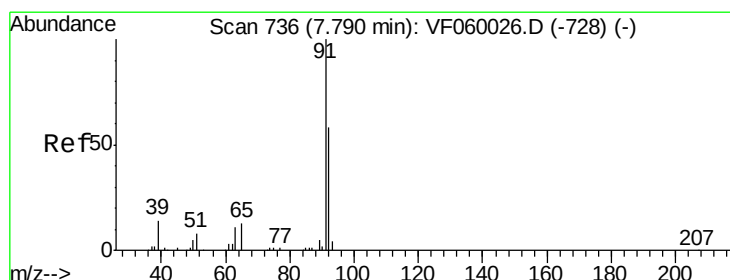
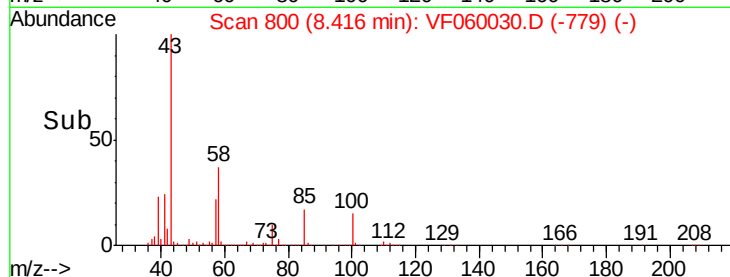
100000

50000

0

Time-->

8.30 8.40 8.50 8.60



#52

Toluene

Concen: 47.002 ug/l

RT: 7.79 min Scan# 737

Delta R.T. 0.01 min

Lab File: VF060030.D

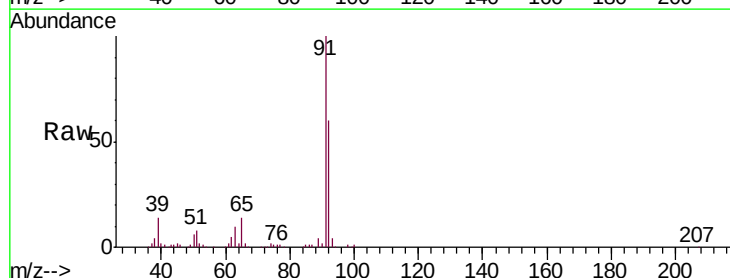
Acq: 21 Aug 2018 20:42

Tgt Ion: 92 Resp: 232289

Ion Ratio Lower Upper

92 100

91 166.9 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.79

150000

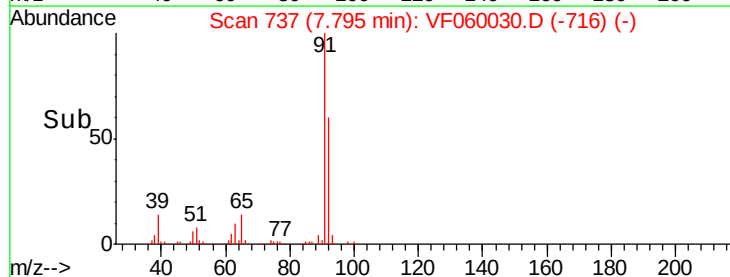
100000

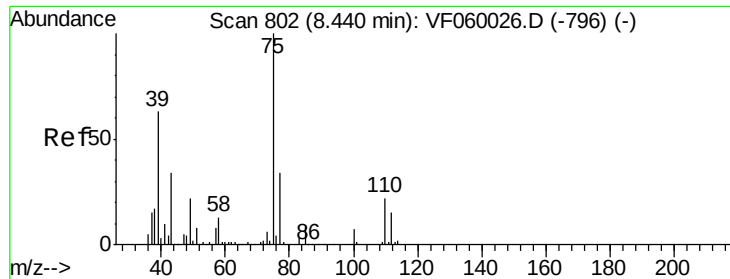
50000

0

Time-->

7.60 7.70 7.80 7.90 8.00





#53

t-1,3-Dichloropropene

Concen: 41.334 ug/l

RT: 8.44 min Scan# 802

Delta R.T. -0.00 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

ClientSampleId :

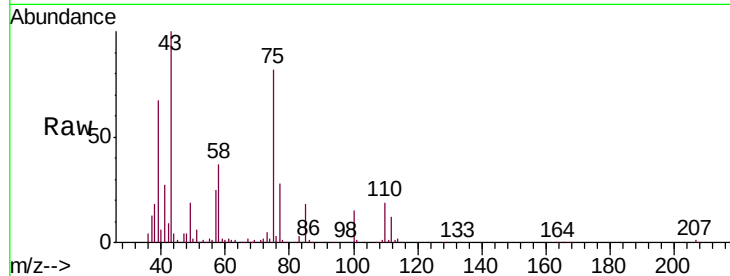
ICVVF082118

Tgt Ion: 75 Resp: 169229

Ion Ratio Lower Upper

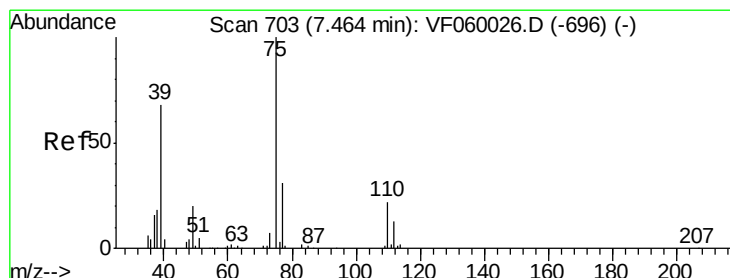
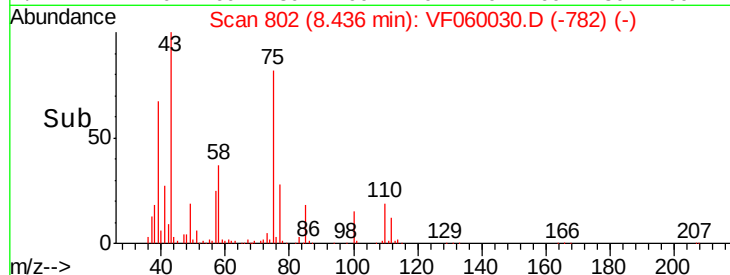
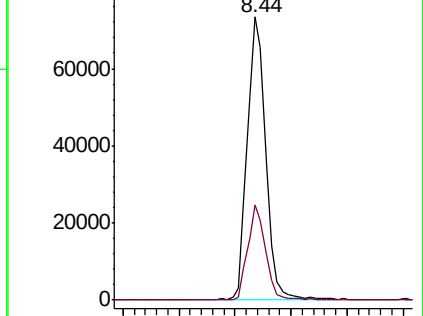
75 100

77 33.7 27.4 41.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 47.770 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

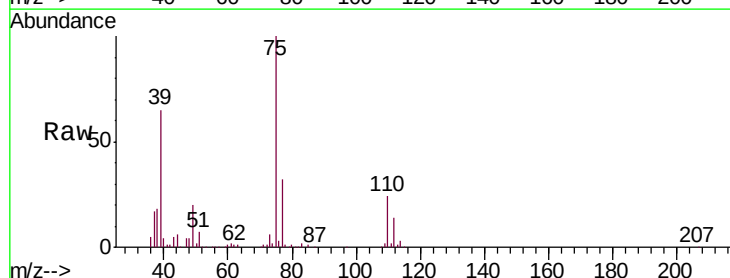
Tgt Ion: 75 Resp: 193273

Ion Ratio Lower Upper

75 100

77 31.6 24.6 37.0

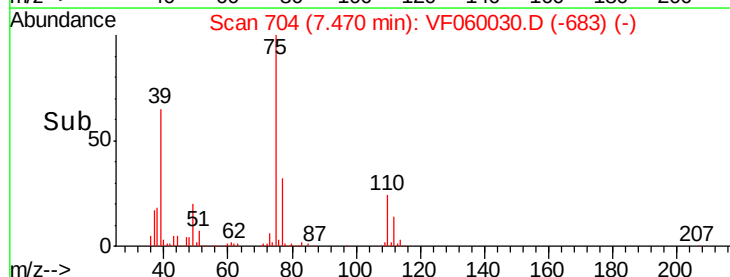
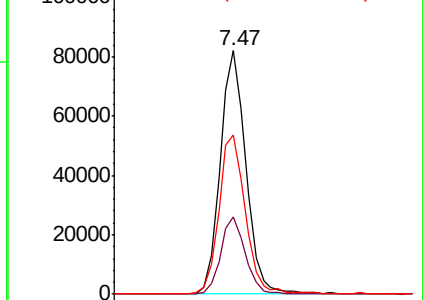
39 65.3 54.6 81.8

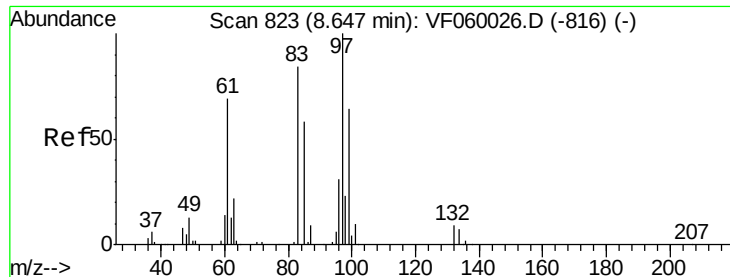


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 49.033 ug/l

RT: 8.65 min Scan# 824

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

ClientSampleId :

ICVVF082118

Tgt Ion: 97 Resp: 96873

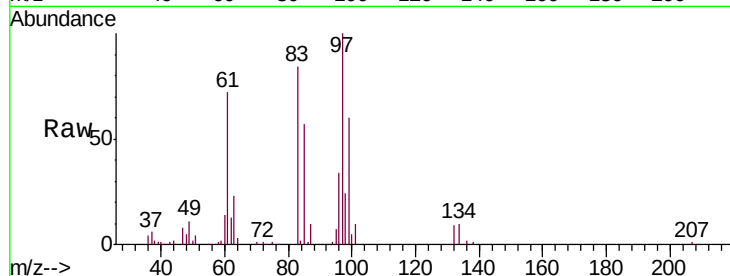
Ion Ratio Lower Upper

97 100

83 83.6 67.4 101.2

85 56.7 46.2 69.2

99 59.5 51.1 76.7

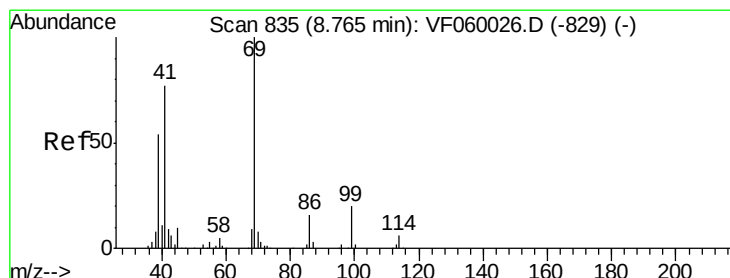
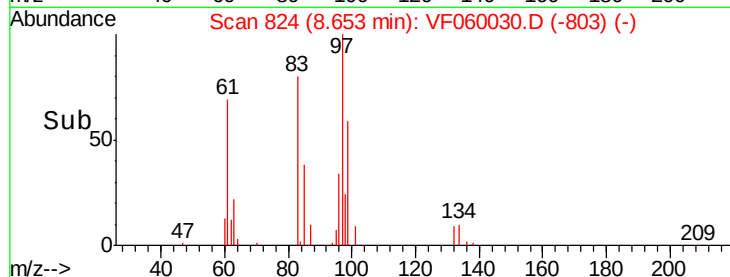
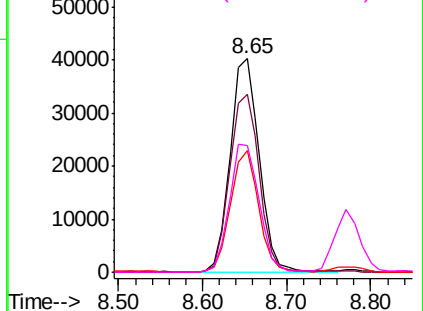


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 51.777 ug/l

RT: 8.77 min Scan# 836

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

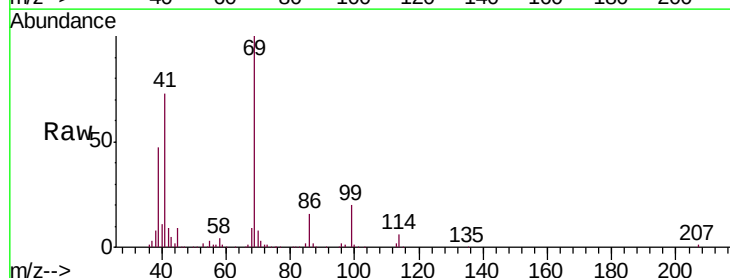
Tgt Ion: 69 Resp: 119101

Ion Ratio Lower Upper

69 100

41 73.2 61.6 92.4

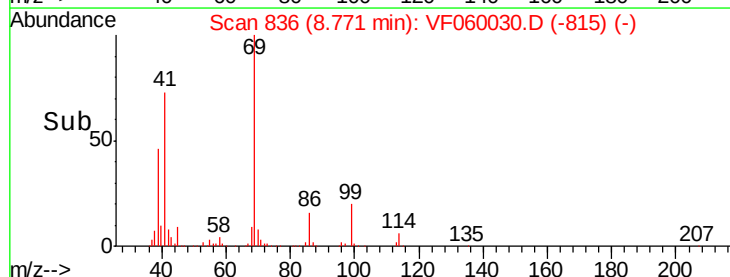
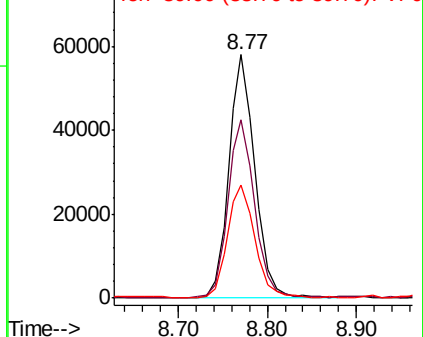
39 46.6 43.9 65.9

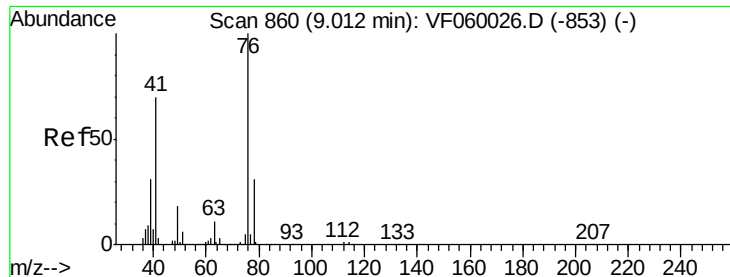


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 46.554 ug/l

RT: 9.01 min Scan# 860

Delta R.T. -0.00 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

ClientSampleId :

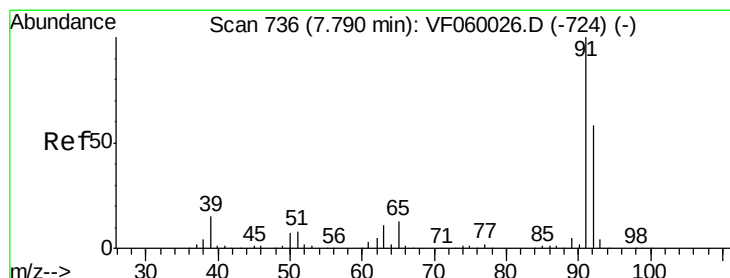
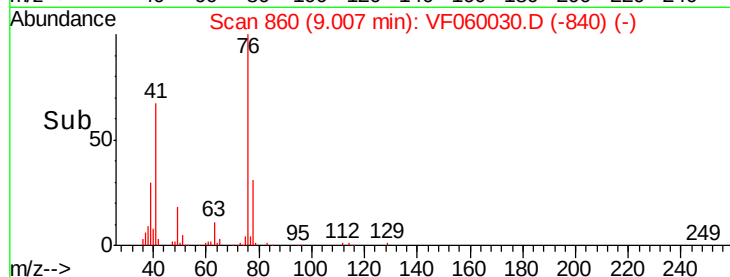
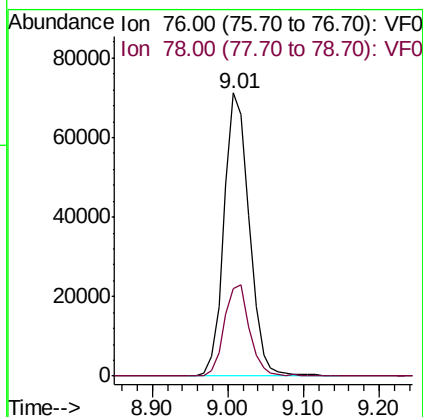
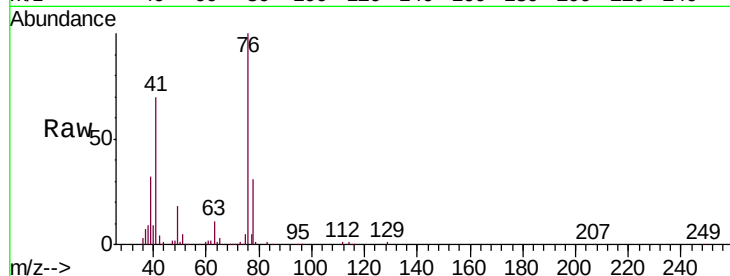
ICVVF082118

Tgt Ion: 76 Resp: 164320

Ion Ratio Lower Upper

76 100

78 30.9 25.2 37.8



#58

2-Chloroethyl Vinyl ether

Concen: 224.724 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.00 min

Lab File: VF060030.D

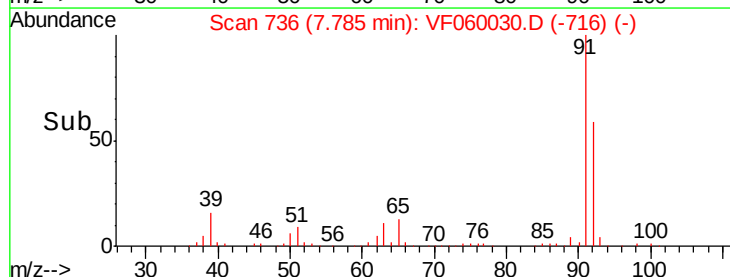
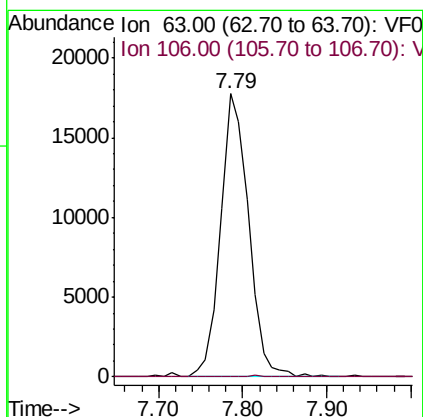
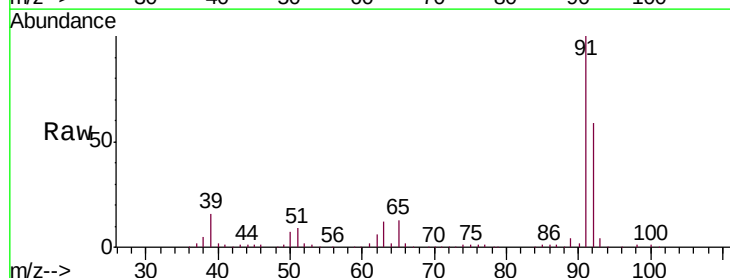
Acq: 21 Aug 2018 20:42

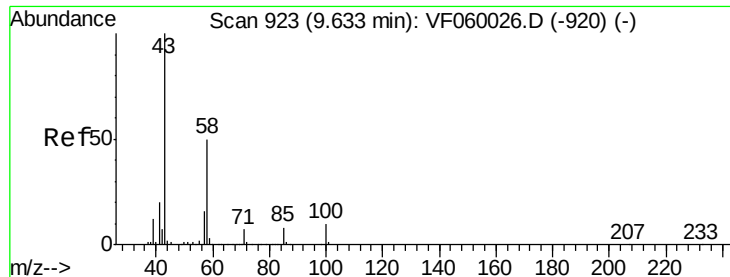
Tgt Ion: 63 Resp: 41030

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

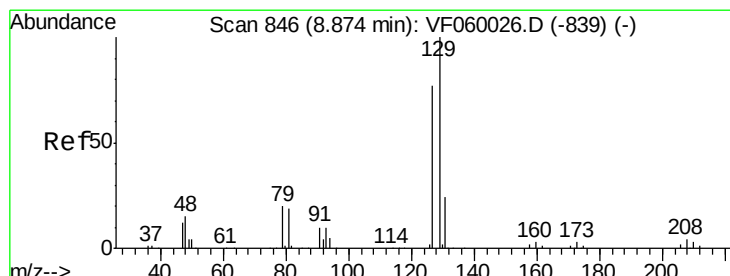
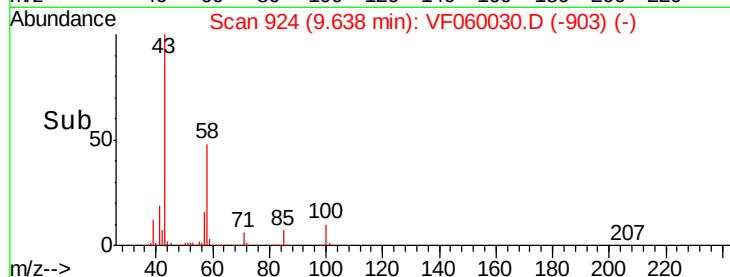
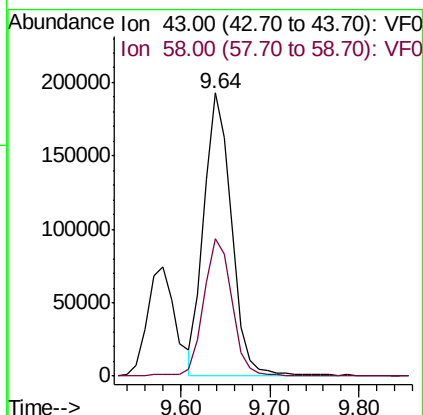
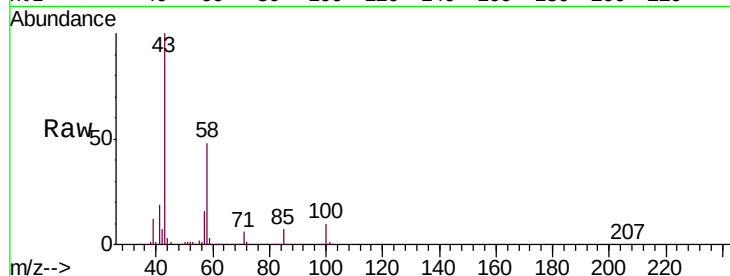




#59
2-Hexanone
Concen: 225.130 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

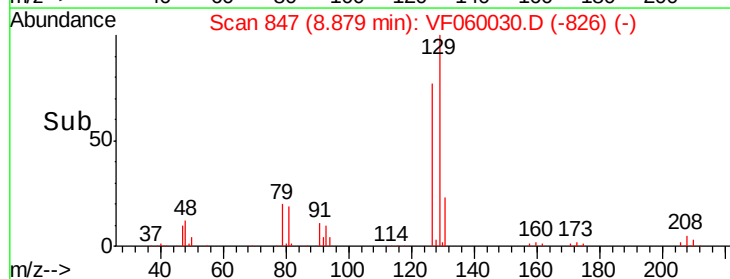
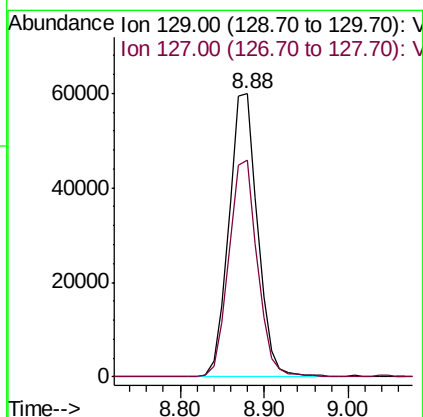
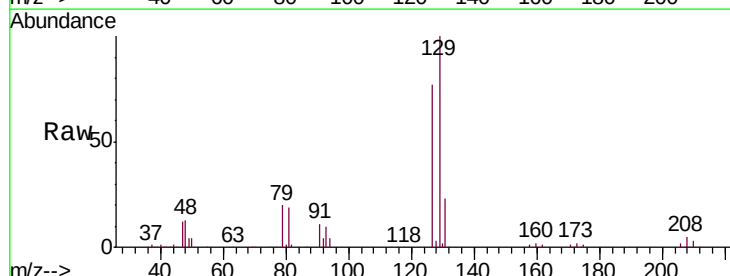
Instrument :
MSVOA_F
ClientSampleId :
ICVVF082118

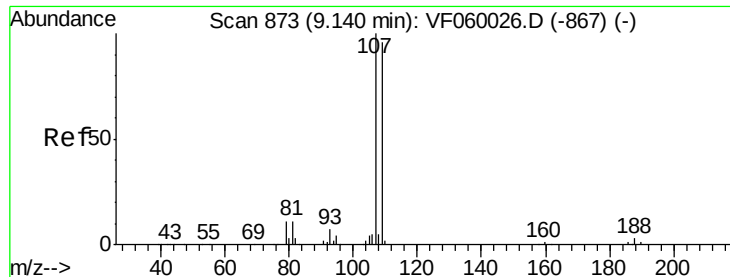
Tgt Ion: 43 Resp: 410200
Ion Ratio Lower Upper
43 100
58 48.3 23.4 70.2



#60
Dibromochloromethane
Concen: 40.880 ug/l
RT: 8.88 min Scan# 847
Delta R.T. 0.01 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Tgt Ion: 129 Resp: 142161
Ion Ratio Lower Upper
129 100
127 76.7 38.6 115.8





#61

1,2-Dibromoethane

Concen: 44.786 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

ClientSampleId :

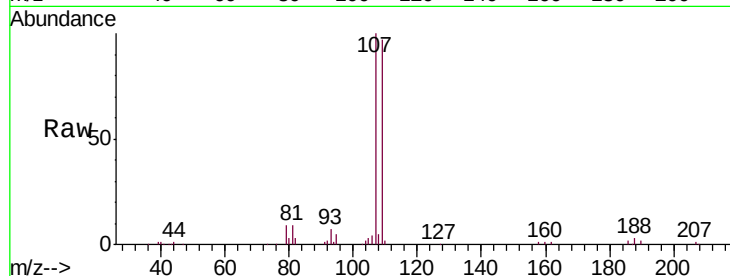
ICVVF082118

Tgt Ion: 107 Resp: 108752

Ion Ratio Lower Upper

107 100

109 97.5 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

50000

40000

30000

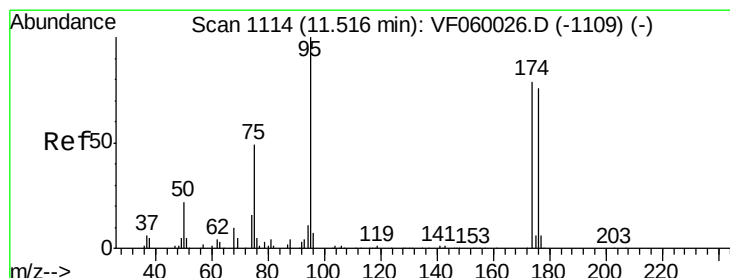
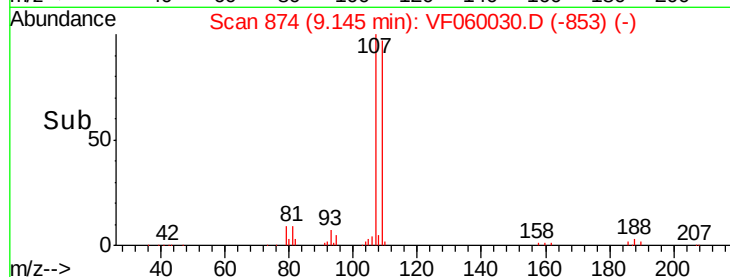
20000

10000

0

9.00 9.10 9.15 9.20 9.30

Time-->



#62

4-Bromofluorobenzene

Concen: 41.104 ug/l

RT: 11.52 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

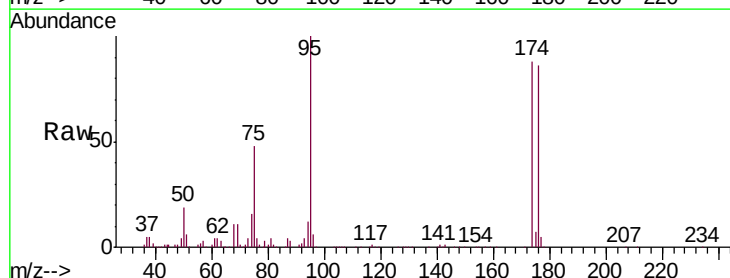
Tgt Ion: 95 Resp: 189831

Ion Ratio Lower Upper

95 100

174 87.8 0.0 158.4

176 86.2 0.0 153.0



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

150000

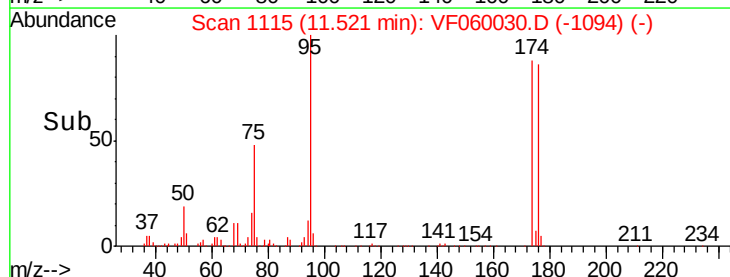
100000

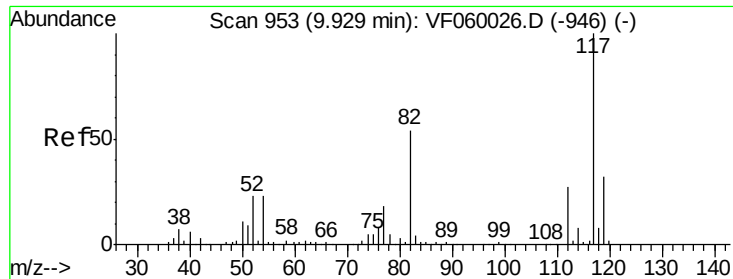
50000

0

11.40 11.50 11.52 11.60 11.70

Time-->

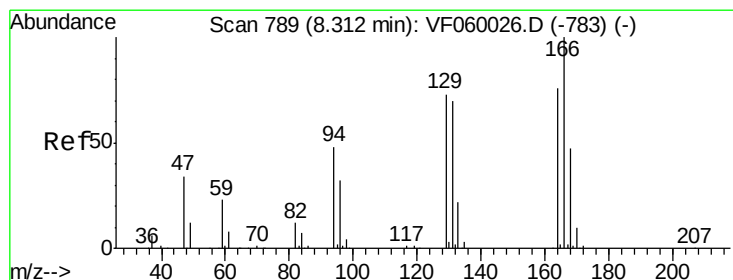
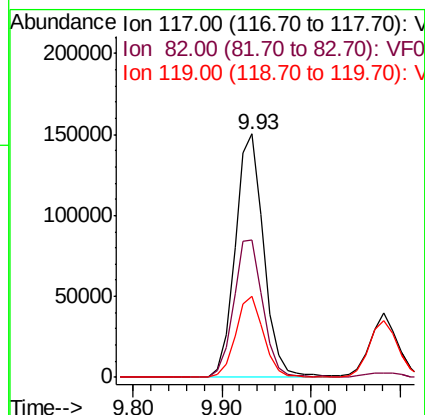
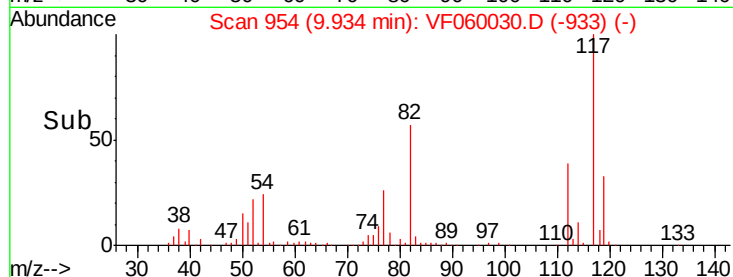
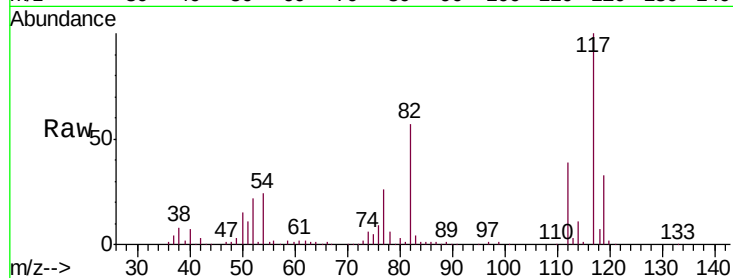




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 954
Delta R.T. 0.01 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

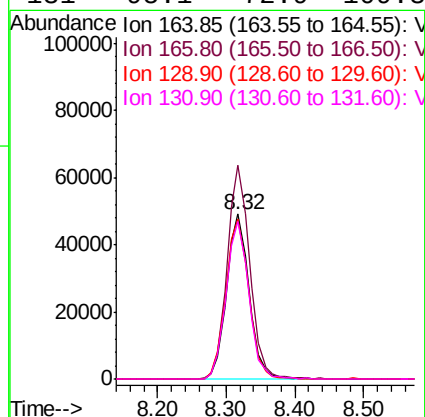
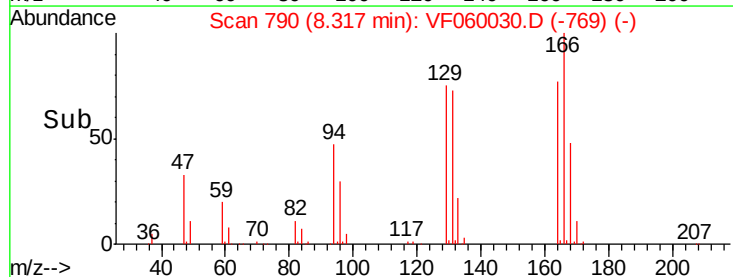
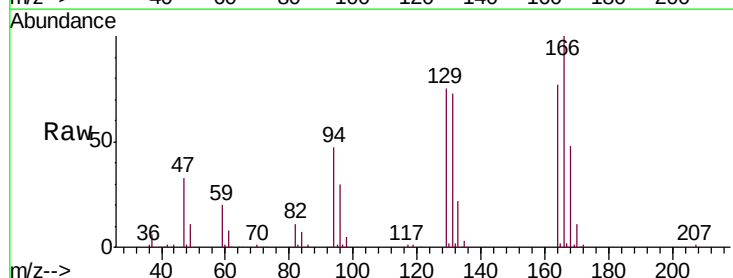
Instrument :
MSVOA_F
ClientSampleId :
ICVVF082118

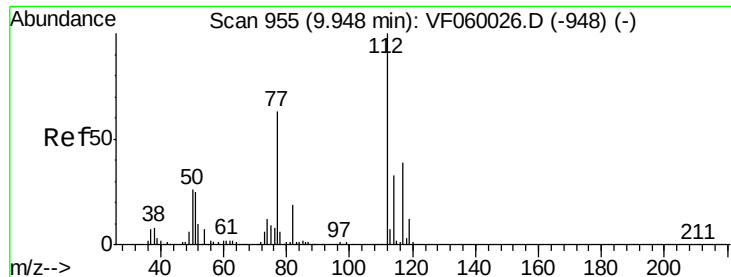
Tgt Ion:117 Resp: 334025
Ion Ratio Lower Upper
117 100
82 56.6 43.6 65.4
119 33.4 25.6 38.4



#64
Tetrachloroethene
Concen: 44.145 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.01 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Tgt Ion:164 Resp: 111735
Ion Ratio Lower Upper
164 100
166 129.5 104.7 157.1
129 97.0 77.0 115.4
131 95.1 72.9 109.3

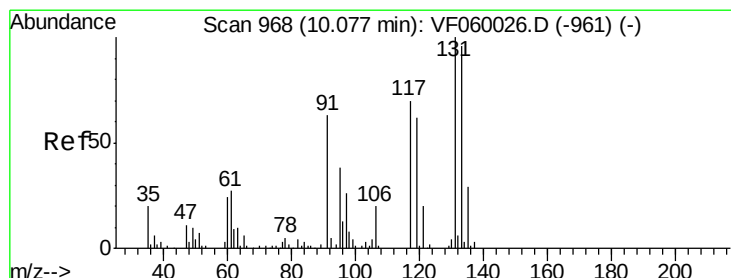
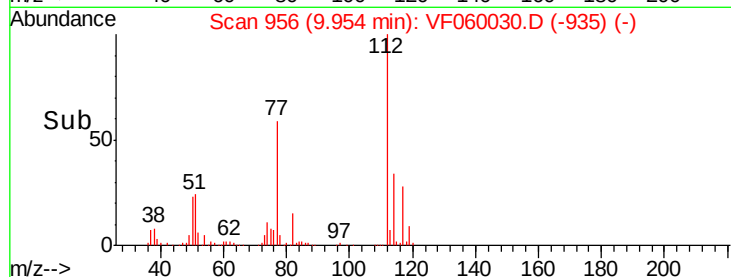
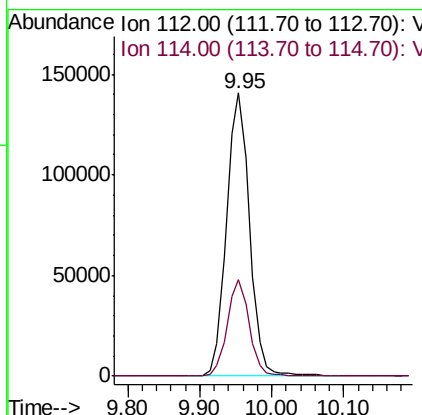
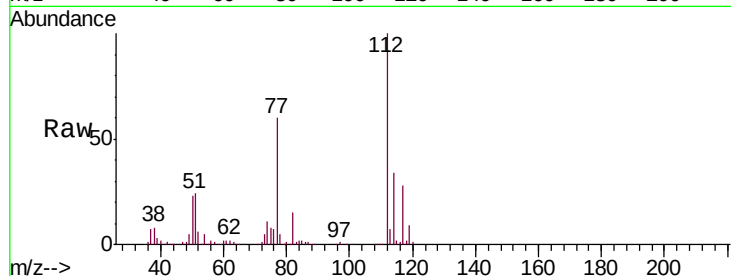




#65
Chlorobenzene
Concen: 47.459 ug/l
RT: 9.95 min Scan# 956
Delta R.T. 0.01 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

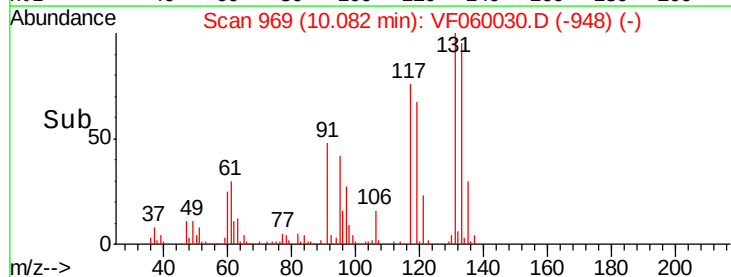
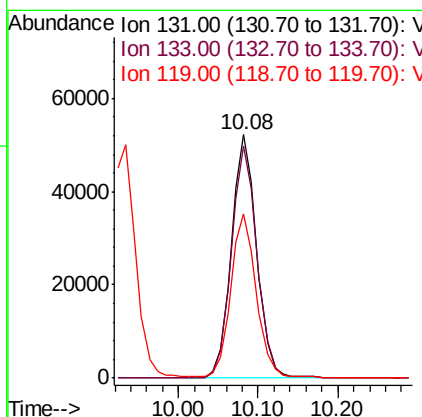
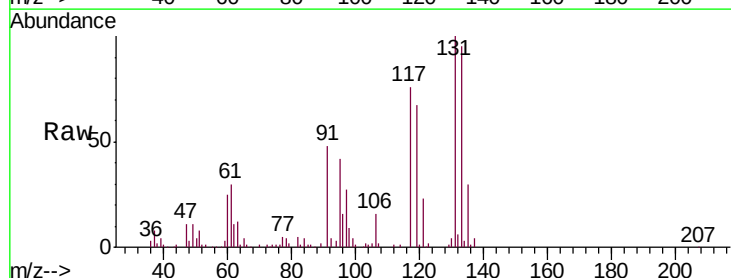
Instrument :
MSVOA_F
ClientSampleId :
ICVVF082118

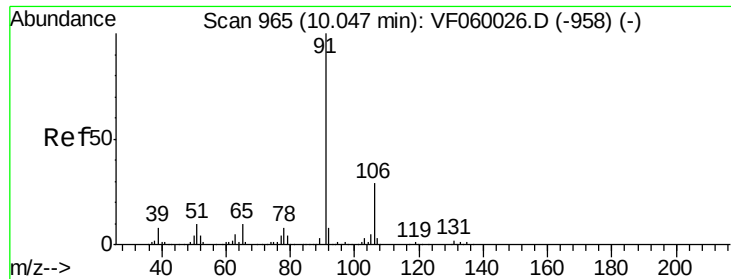
Tgt Ion:112 Resp: 312175
Ion Ratio Lower Upper
112 100
114 33.9 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 39.342 ug/l
RT: 10.08 min Scan# 969
Delta R.T. 0.01 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Tgt Ion:131 Resp: 115767
Ion Ratio Lower Upper
131 100
133 95.2 48.2 144.6
119 67.4 31.4 94.2

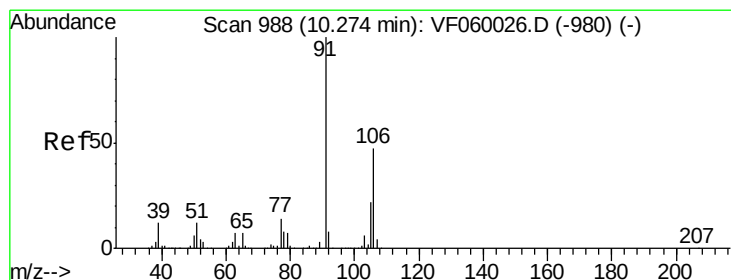
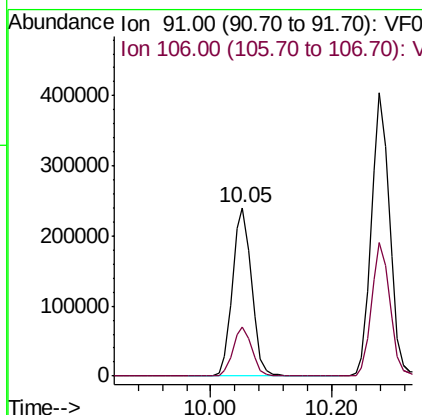
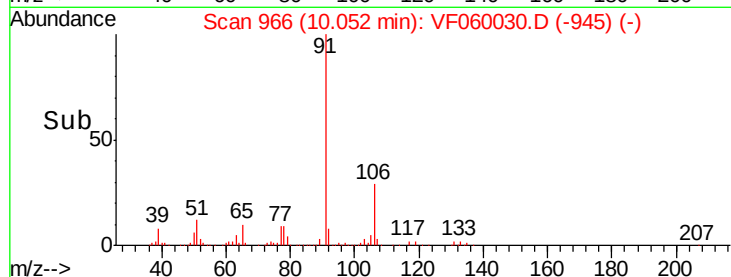
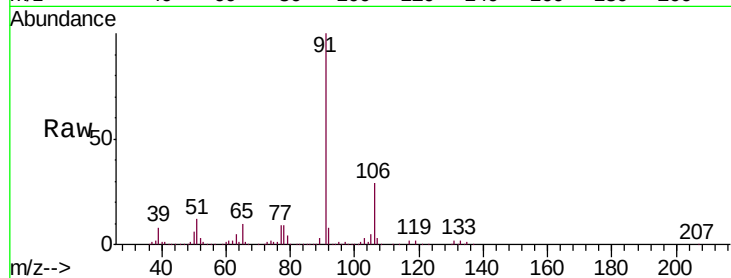




#67
Ethyl Benzene
Concen: 44.656 ug/l
RT: 10.05 min Scan# 966
Delta R.T. 0.01 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

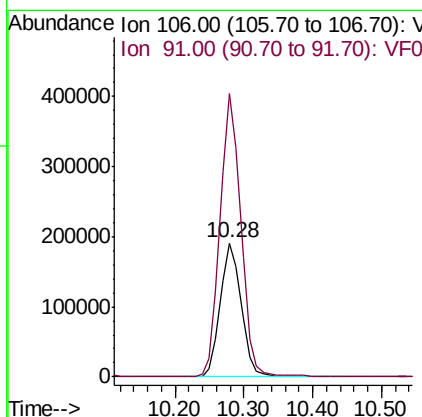
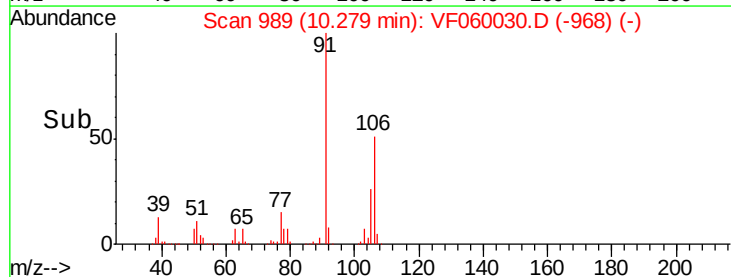
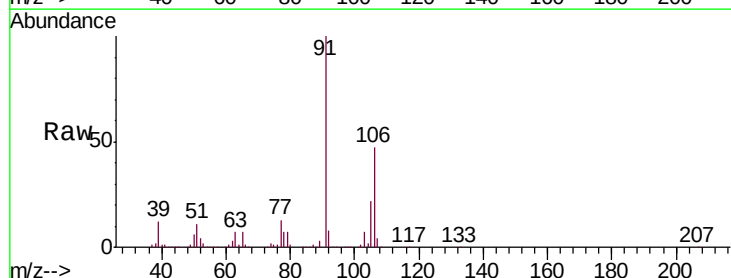
Instrument :
MSVOA_F
ClientSampleId :
ICVVF082118

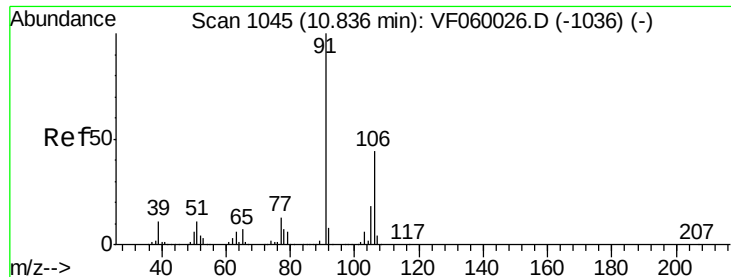
Tgt Ion: 91 Resp: 528871
Ion Ratio Lower Upper
91 100
106 29.0 23.6 35.4



#68
m/p-Xylenes
Concen: 97.089 ug/l
RT: 10.28 min Scan# 989
Delta R.T. 0.01 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Tgt Ion: 106 Resp: 405172
Ion Ratio Lower Upper
106 100
91 211.4 171.8 257.8

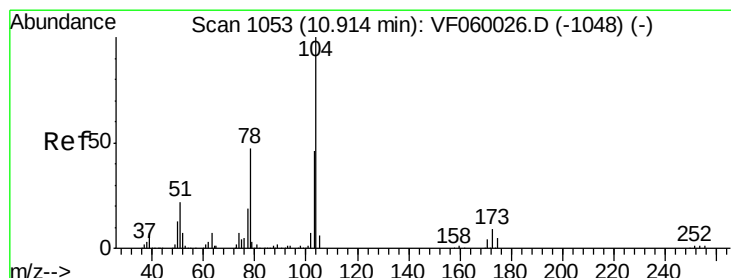
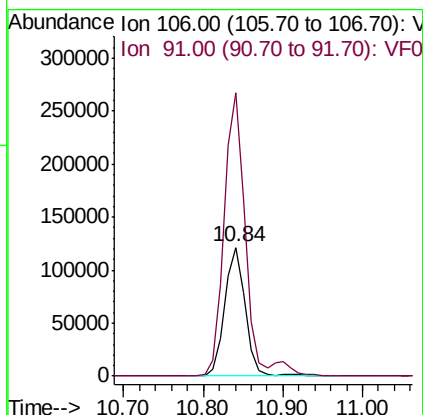
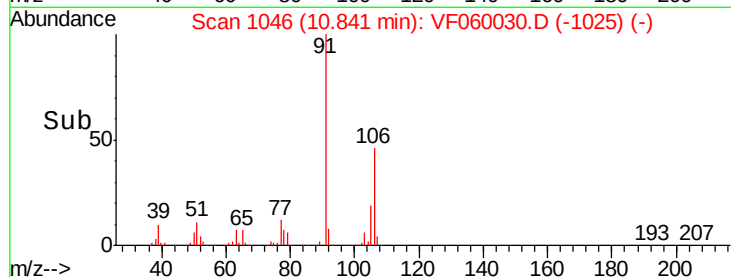
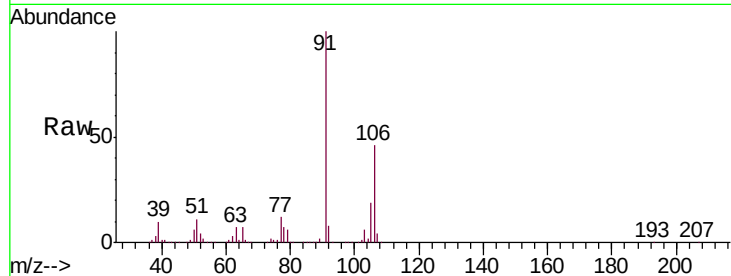




#69
o-Xylene
Concen: 52.108 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. 0.01 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

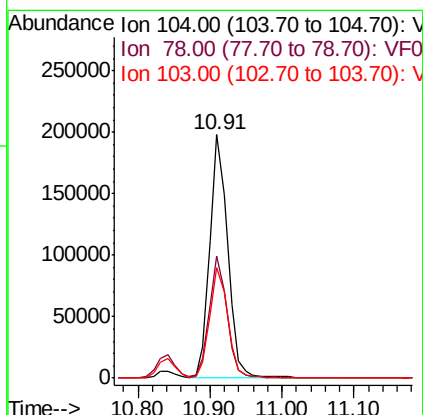
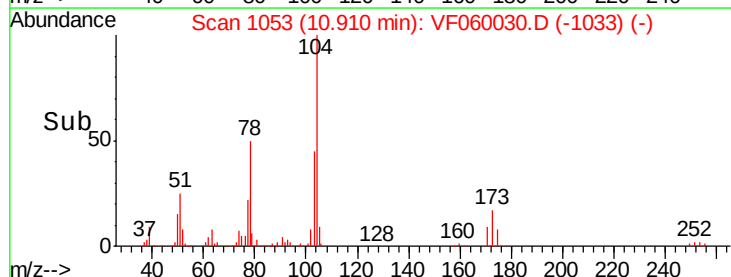
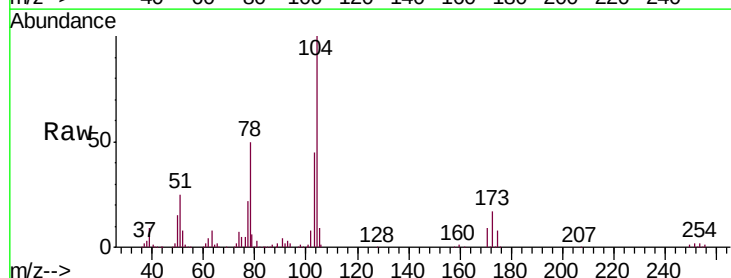
Instrument :
MSVOA_F
ClientSampleId :
ICVVF082118

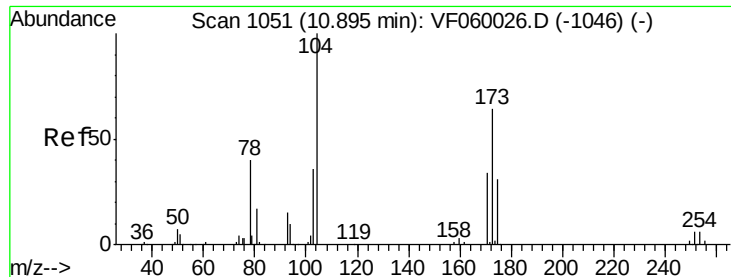
Tgt Ion:106 Resp: 222540
Ion Ratio Lower Upper
106 100
91 219.6 112.5 337.5



#70
Styrene
Concen: 49.912 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Tgt Ion:104 Resp: 340021
Ion Ratio Lower Upper
104 100
78 49.9 38.0 57.0
103 45.3 37.6 56.4





#71

Bromoform

Concen: 41.916 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

ClientSampleId :

ICVVF082118

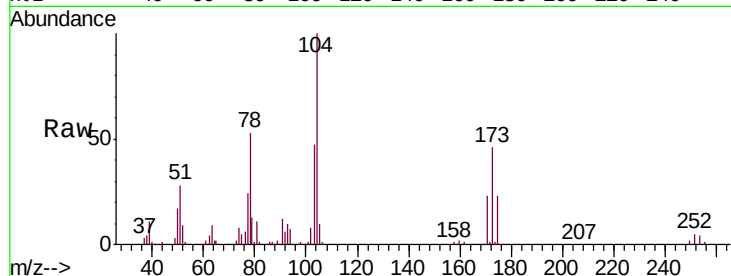
Tgt Ion:173 Resp: 91036

Ion Ratio Lower Upper

173 100

175 49.8 24.7 74.1

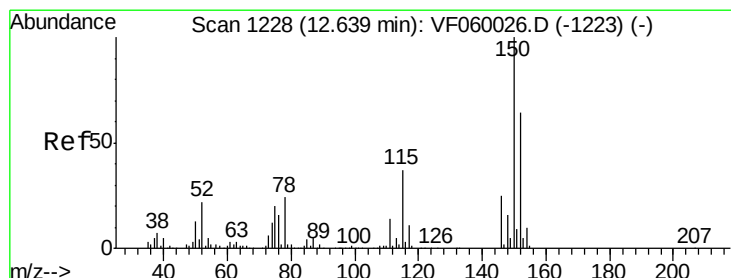
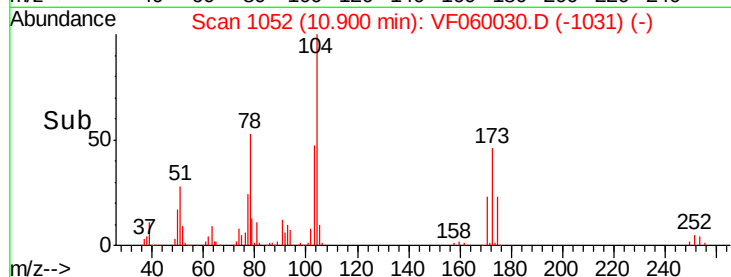
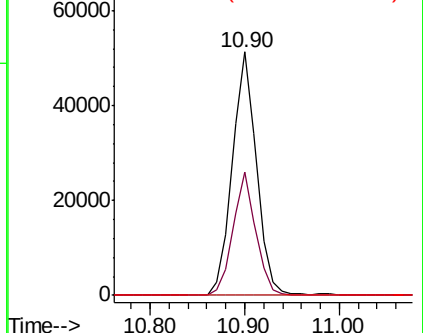
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.64 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

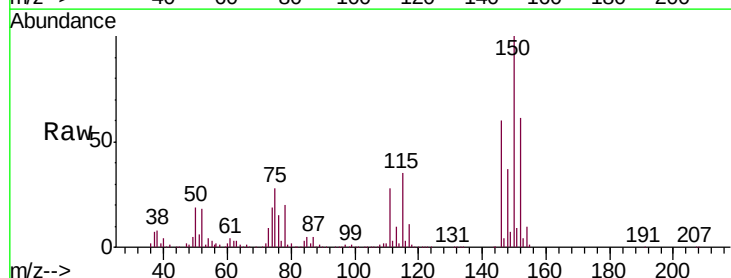
Tgt Ion:152 Resp: 203669

Ion Ratio Lower Upper

152 100

115 56.5 28.6 85.9

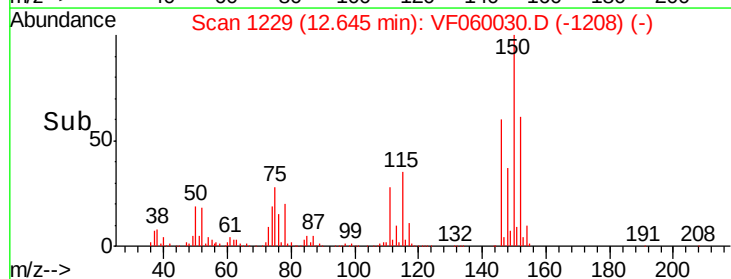
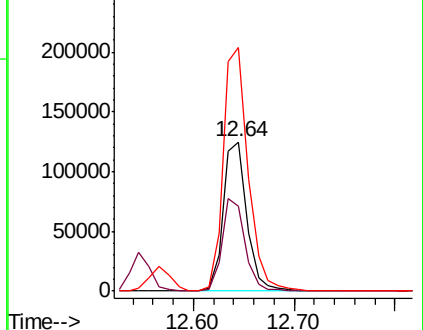
150 162.9 0.0 312.0

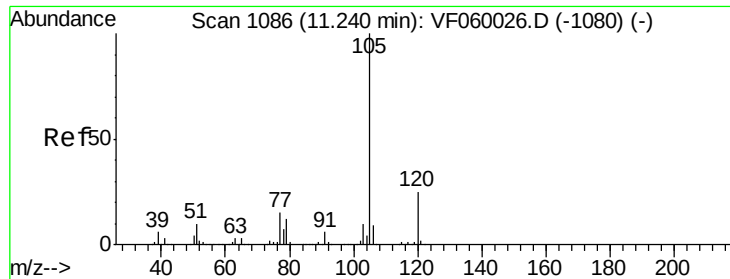


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 50.601 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

ClientSampleId :

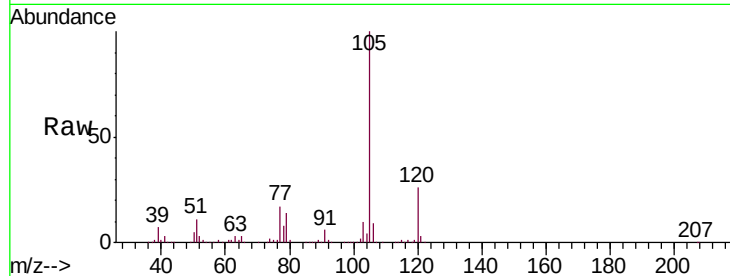
ICVVF082118

Tgt Ion:105 Resp: 620224

Ion Ratio Lower Upper

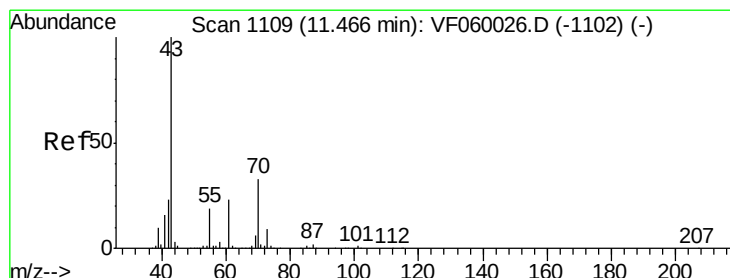
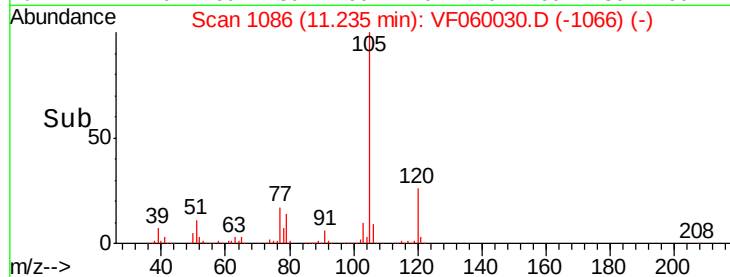
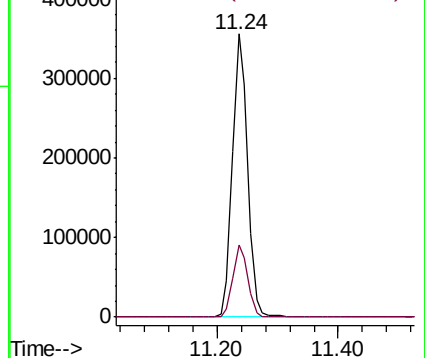
105 100

120 25.6 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 59.457 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Tgt Ion: 43 Resp: 210249

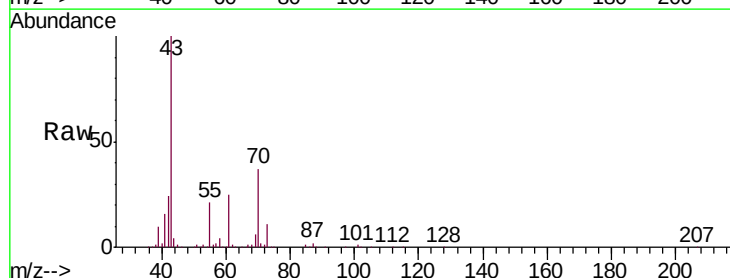
Ion Ratio Lower Upper

43 100

70 36.7 26.4 39.6

55 21.1 15.0 22.4

61 25.1 18.4 27.6

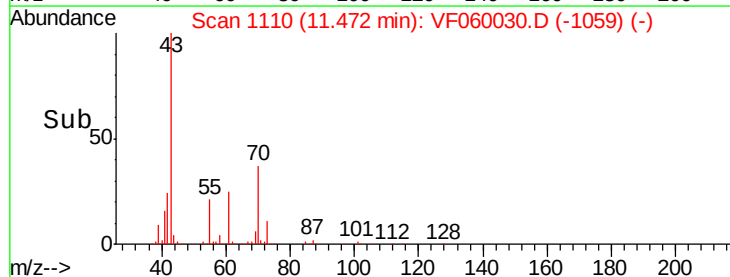
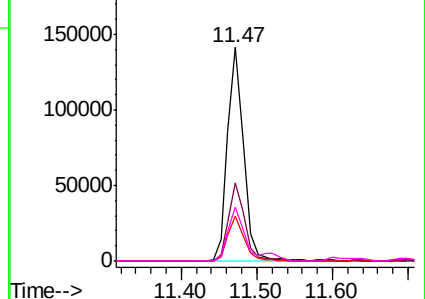


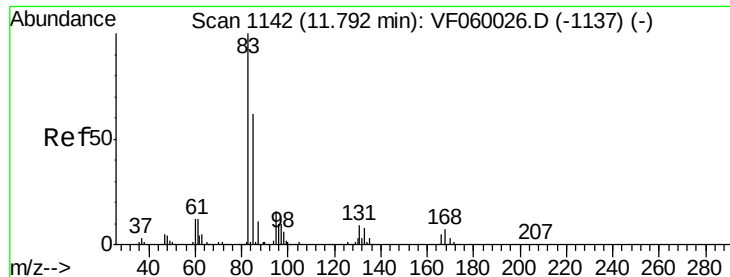
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 55.924 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

ClientSampleId :

ICVVF082118

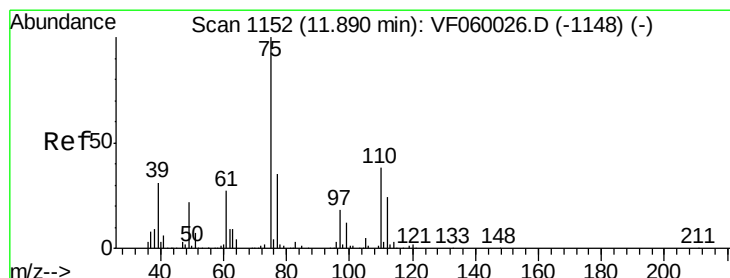
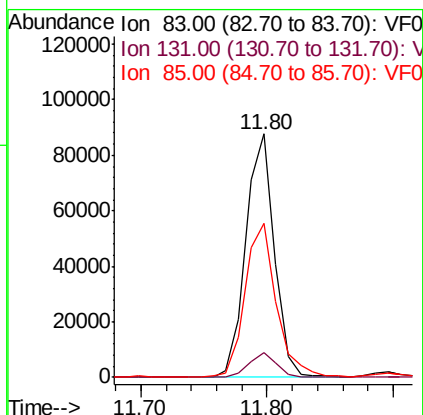
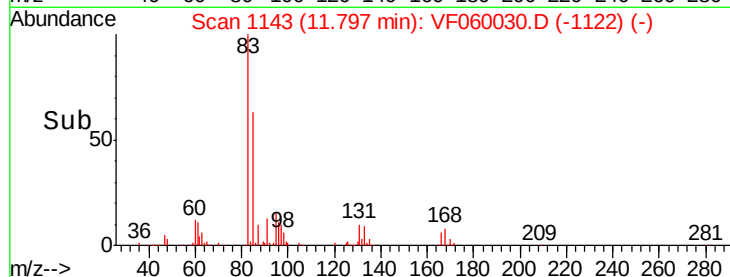
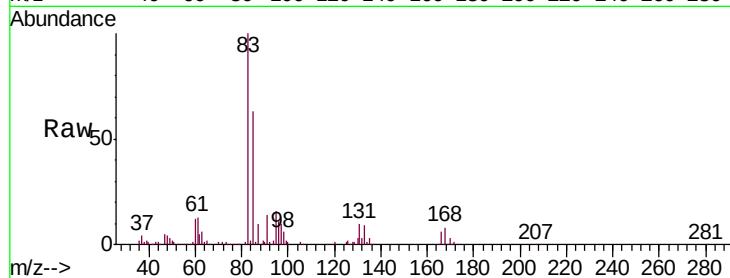
Tgt Ion: 83 Resp: 137796

Ion Ratio Lower Upper

83 100

131 10.0 4.5 13.7

85 63.3 31.3 93.9



#76

1,2,3-Trichloropropane

Concen: 49.163 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF060030.D

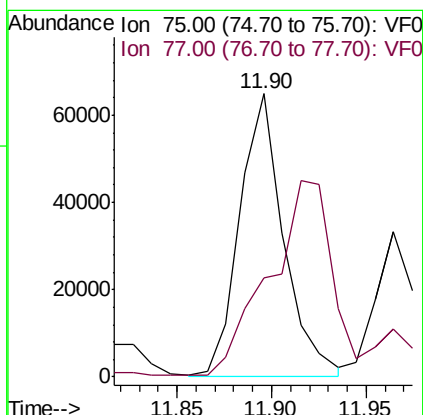
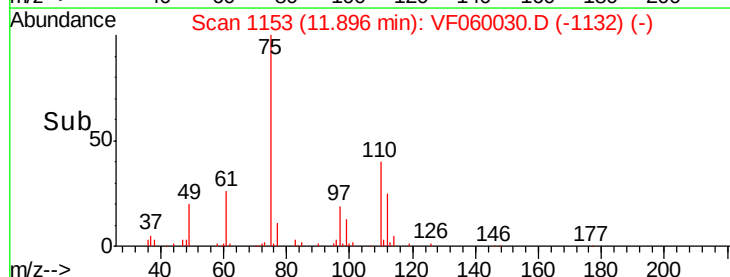
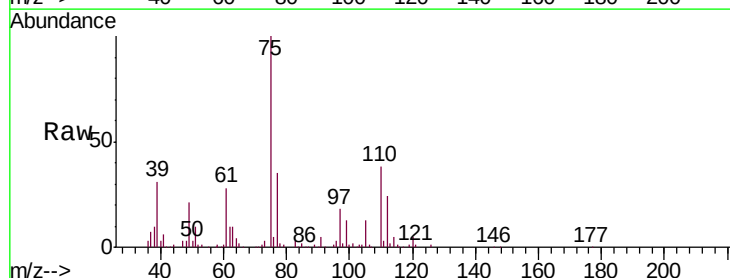
Acq: 21 Aug 2018 20:42

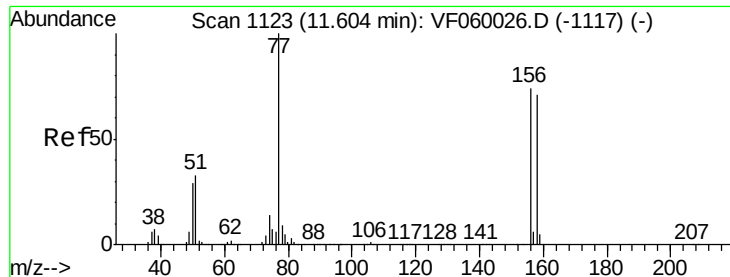
Tgt Ion: 75 Resp: 104299

Ion Ratio Lower Upper

75 100

77 35.0 17.3 52.0





#77

Bromobenzene

Concen: 49.292 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

ClientSampleId :

ICVVF082118

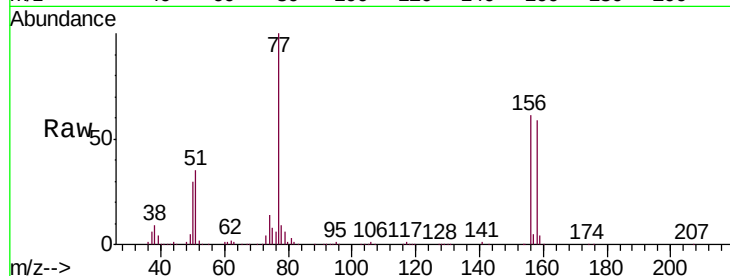
Tgt Ion:156 Resp: 167954

Ion Ratio Lower Upper

156 100

77 162.9 68.0 204.0

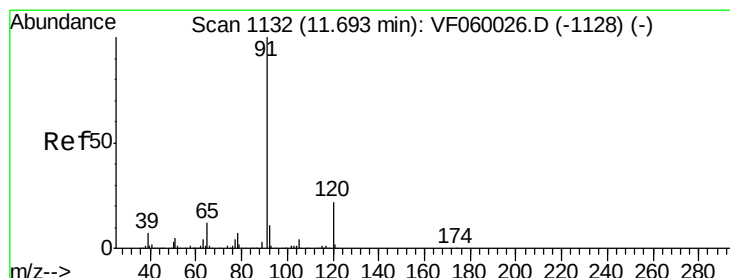
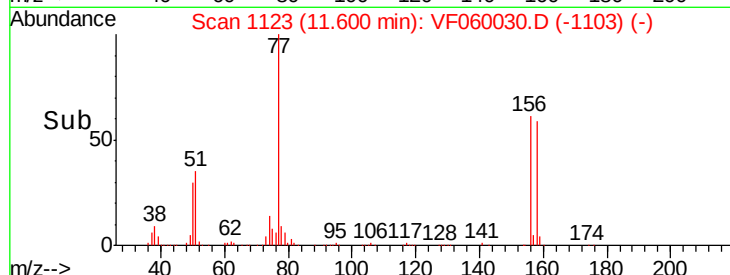
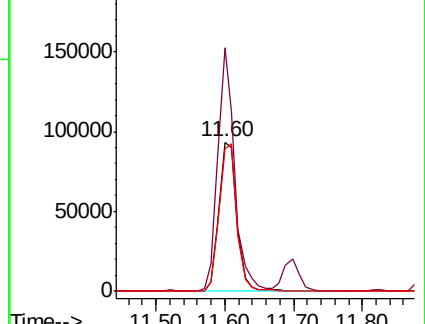
158 95.6 48.4 145.3



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: 50.149 ug/l

RT: 11.70 min Scan# 1133

Delta R.T. 0.01 min

Lab File: VF060030.D

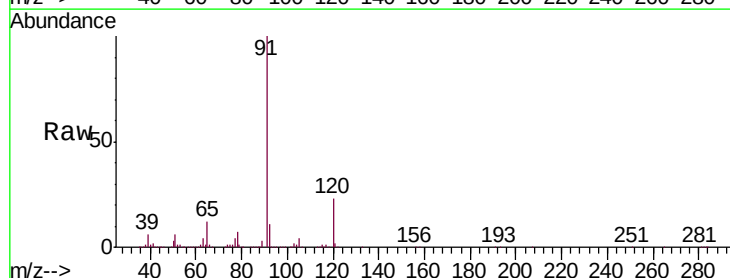
Acq: 21 Aug 2018 20:42

Tgt Ion: 91 Resp: 764983

Ion Ratio Lower Upper

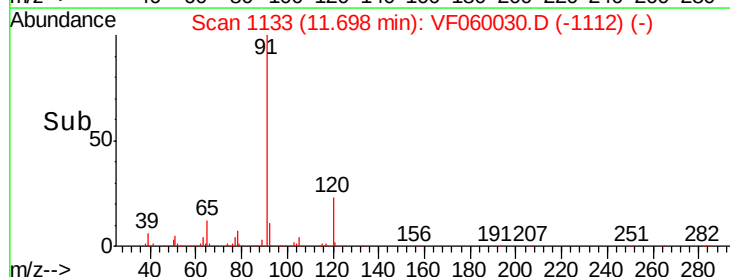
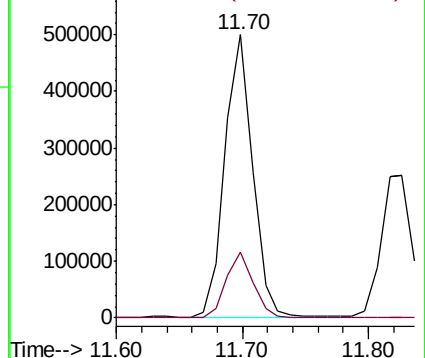
91 100

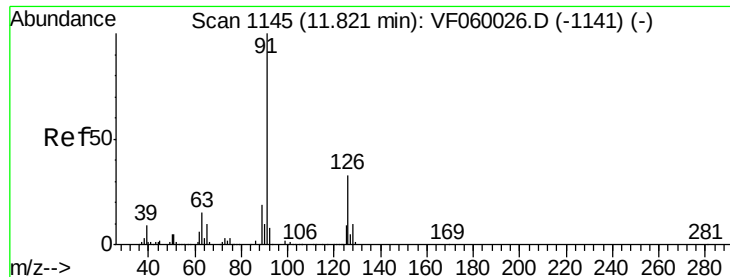
120 23.2 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.371 ug/l

RT: 11.83 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

ClientSampleId :

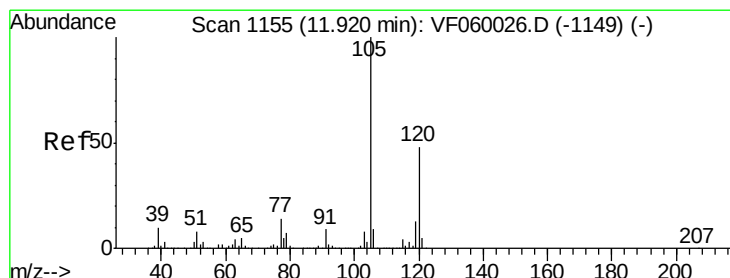
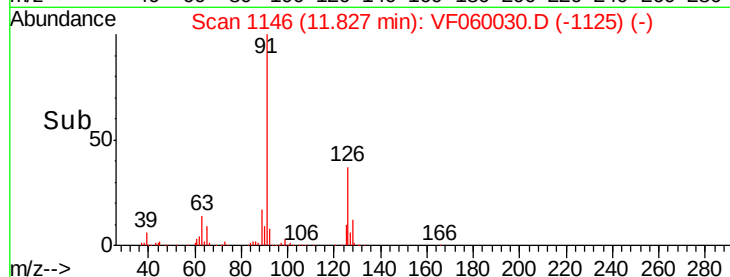
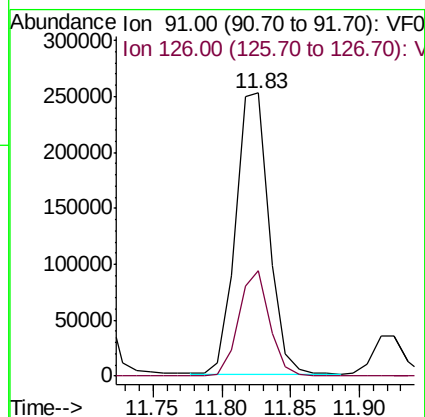
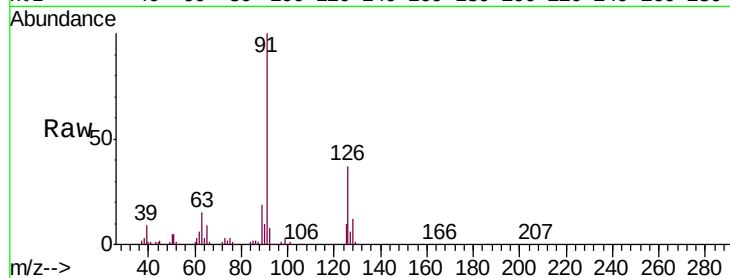
ICVVF082118

Tgt Ion: 91 Resp: 424242

Ion Ratio Lower Upper

91 100

126 37.2 16.6 49.7



#80

1,3,5-Trimethylbenzene

Concen: 48.842 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. 0.01 min

Lab File: VF060030.D

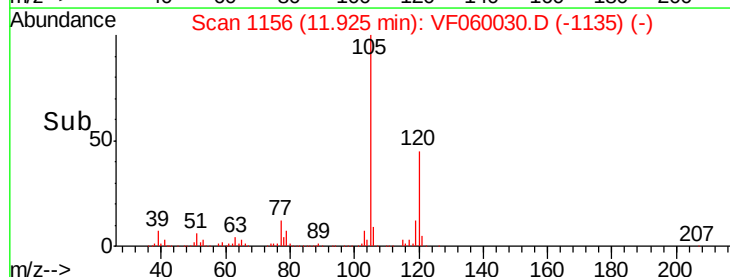
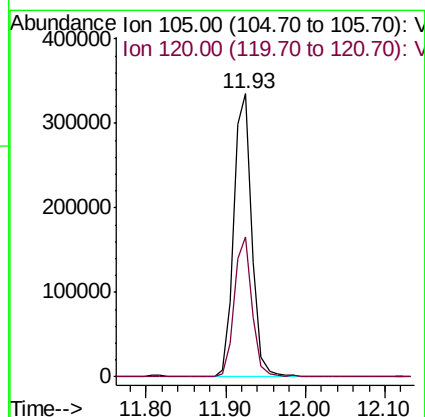
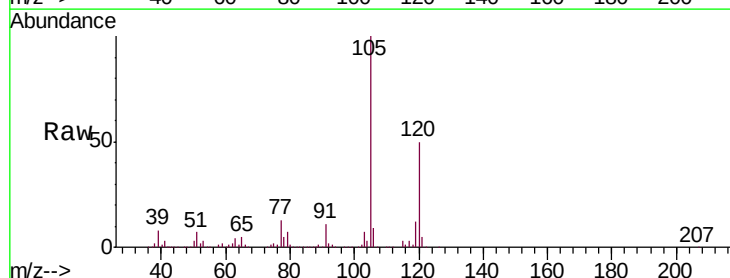
Acq: 21 Aug 2018 20:42

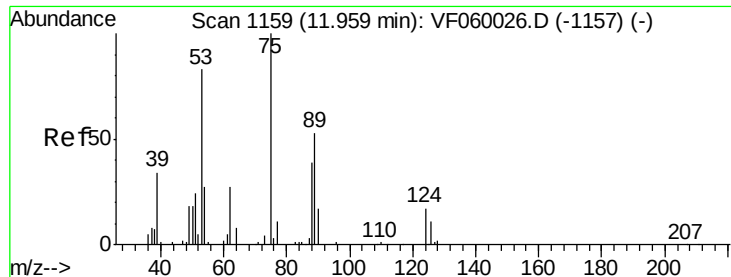
Tgt Ion: 105 Resp: 537331

Ion Ratio Lower Upper

105 100

120 49.7 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 71.629 ug/l

RT: 11.96 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

ClientSampleId :

ICVVF082118

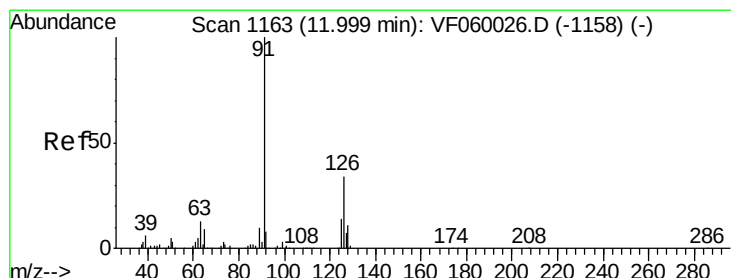
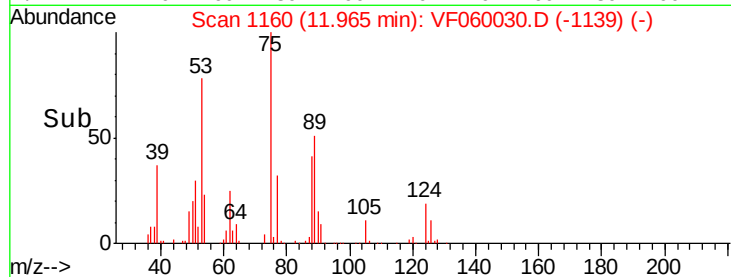
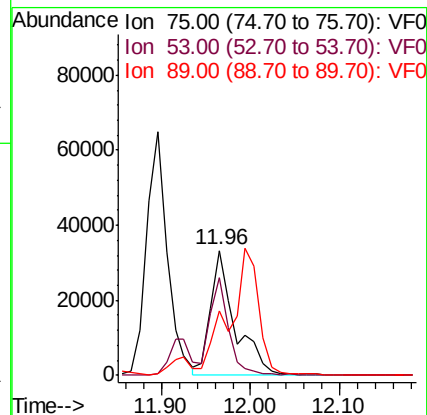
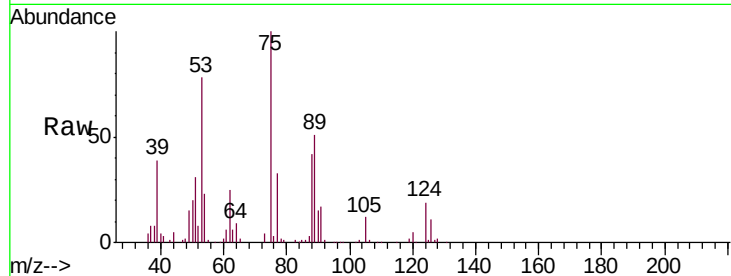
Tgt Ion: 75 Resp: 64113

Ion Ratio Lower Upper

75 100

53 78.3 66.2 99.4

89 51.3 42.8 64.2



#82

4-Chlorotoluene

Concen: 47.051 ug/l

RT: 11.99 min Scan# 1163

Delta R.T. -0.00 min

Lab File: VF060030.D

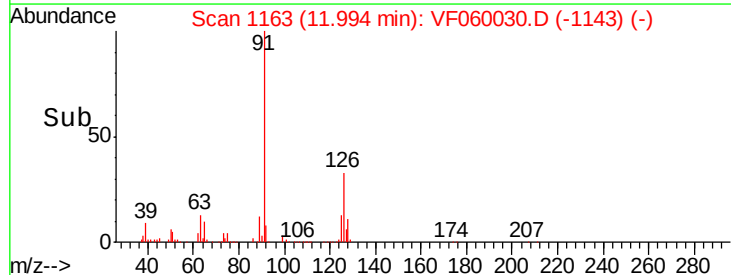
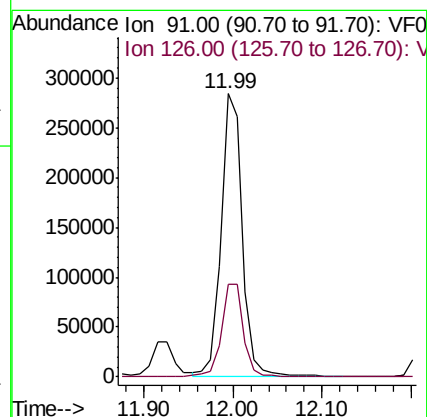
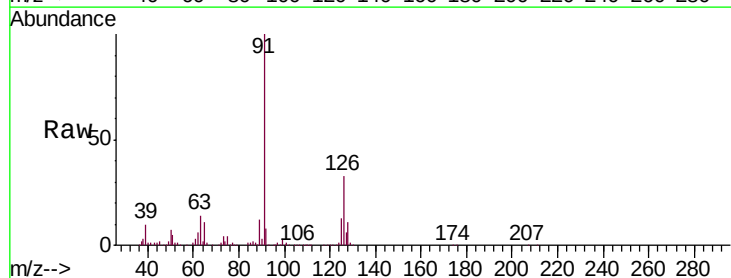
Acq: 21 Aug 2018 20:42

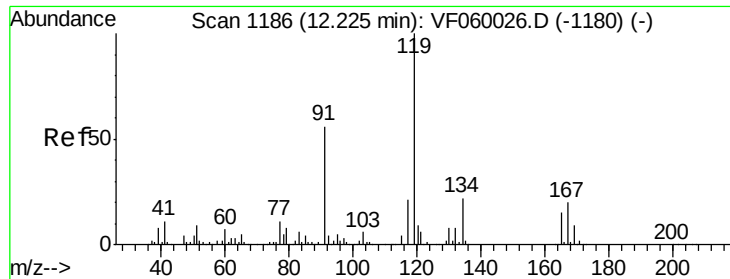
Tgt Ion: 91 Resp: 471034

Ion Ratio Lower Upper

91 100

126 32.6 17.0 50.9

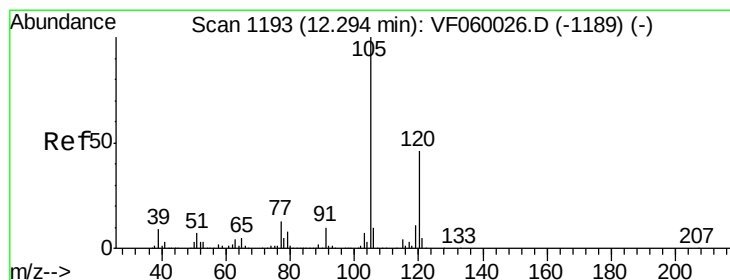
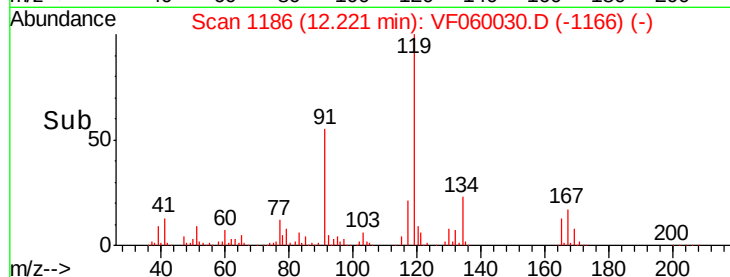
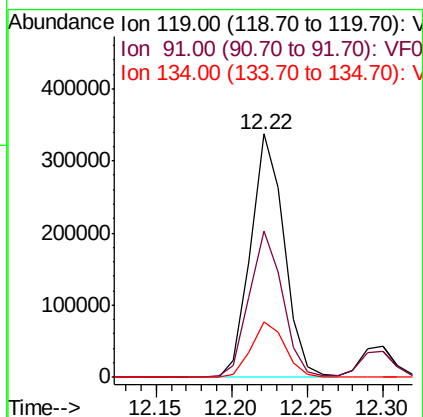
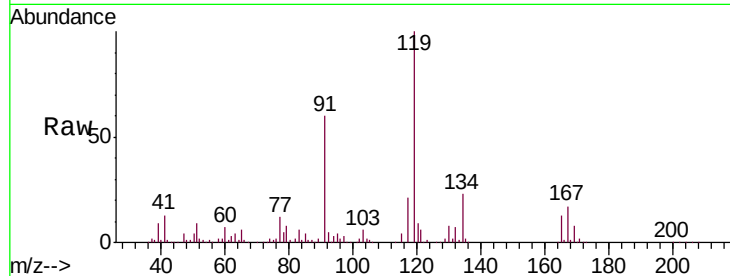




#83
 tert-Butylbenzene
 Concen: 48.763 ug/l
 RT: 12.22 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: VF060030.D
 Acq: 21 Aug 2018 20:42

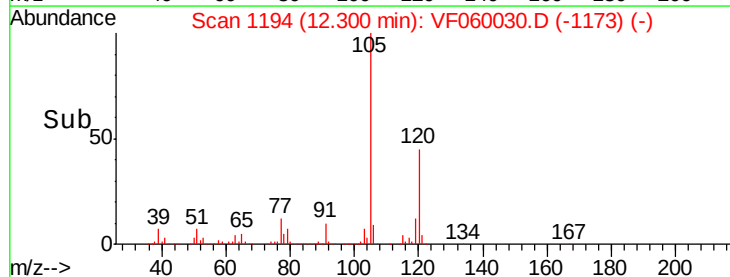
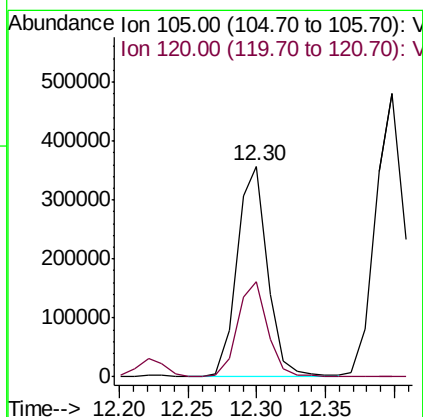
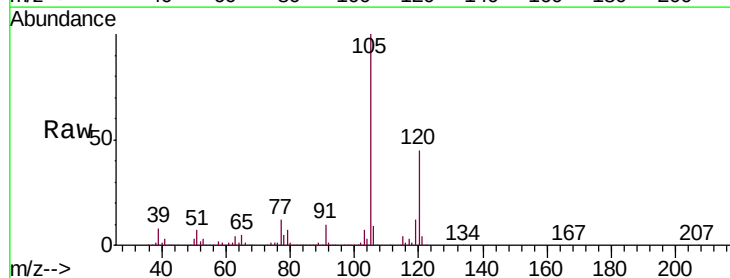
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF082118

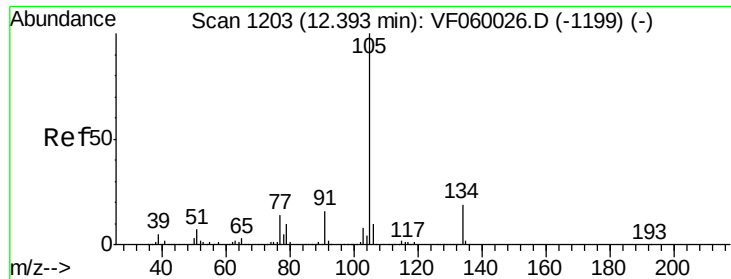
Tgt Ion:119 Resp: 524540
 Ion Ratio Lower Upper
 119 100
 91 60.0 28.1 84.3
 134 22.8 11.1 33.3



#84
 1,2,4-Trimethylbenzene
 Concen: 47.677 ug/l
 RT: 12.30 min Scan# 1194
 Delta R.T. 0.01 min
 Lab File: VF060030.D
 Acq: 21 Aug 2018 20:42

Tgt Ion:105 Resp: 551347
 Ion Ratio Lower Upper
 105 100
 120 45.0 23.3 69.8





#85

sec-Butylbenzene

Concen: 50.000 ug/l

RT: 12.40 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

ClientSampleId :

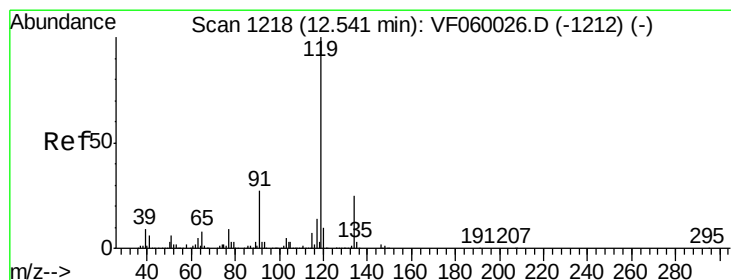
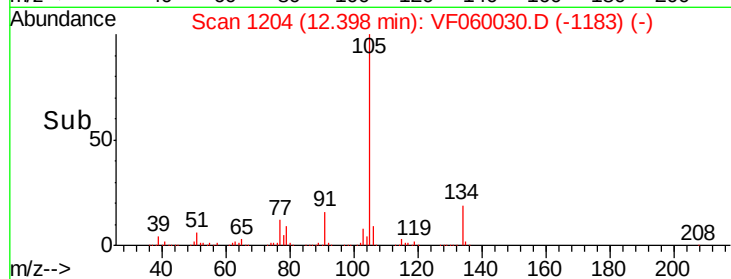
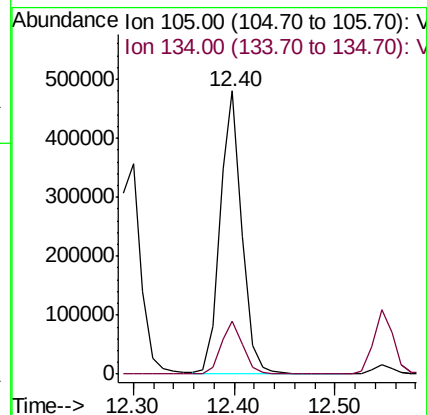
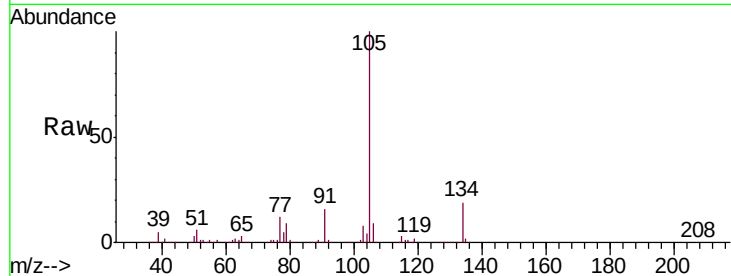
ICVVF082118

Tgt Ion:105 Resp: 717812

Ion Ratio Lower Upper

105 100

134 18.8 9.3 27.9



#86

p-Isopropyltoluene

Concen: 47.664 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

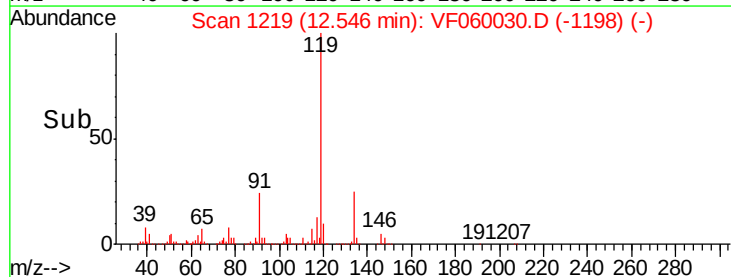
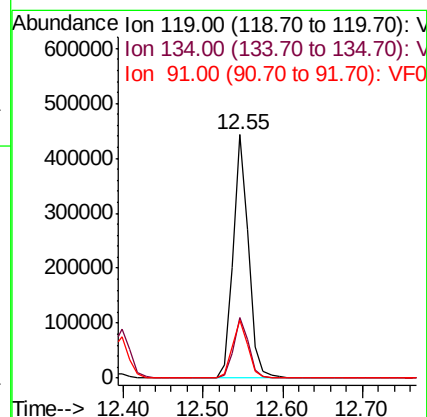
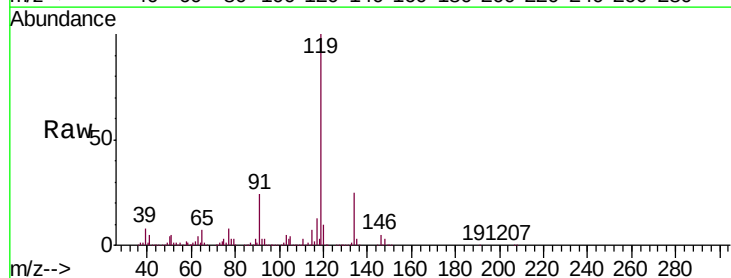
Tgt Ion:119 Resp: 605077

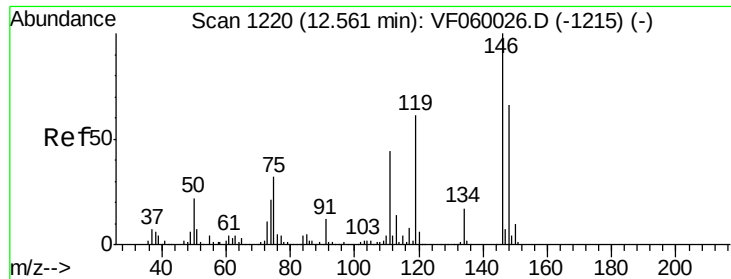
Ion Ratio Lower Upper

119 100

134 24.7 12.4 37.2

91 24.0 13.5 40.4

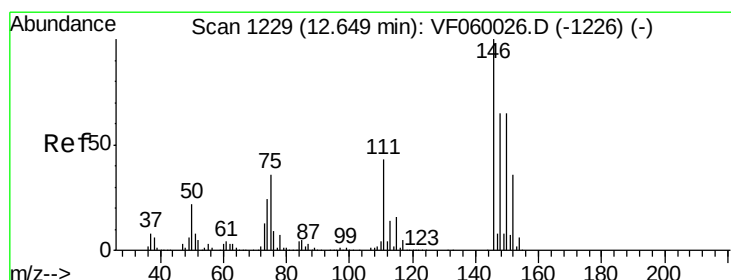
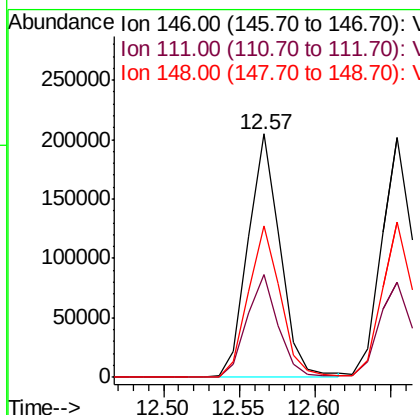
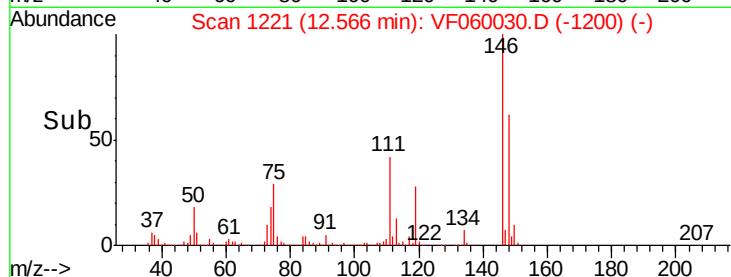
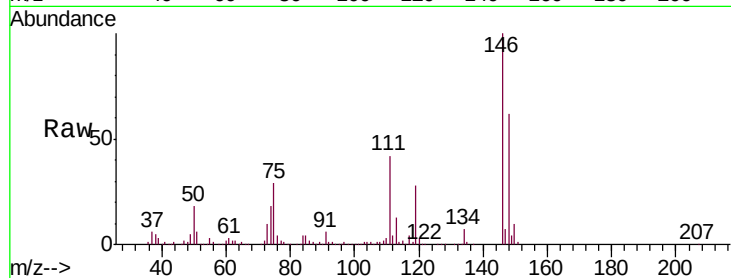




#87
 1,3-Dichlorobenzene
 Concen: 46.623 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.01 min
 Lab File: VF060030.D
 Acq: 21 Aug 2018 20:42

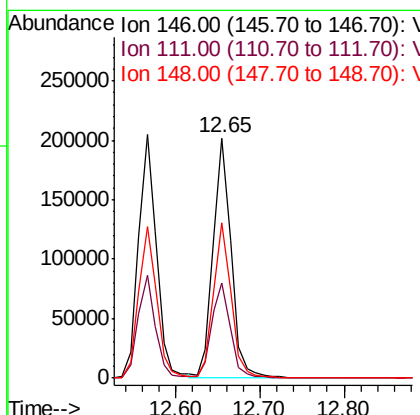
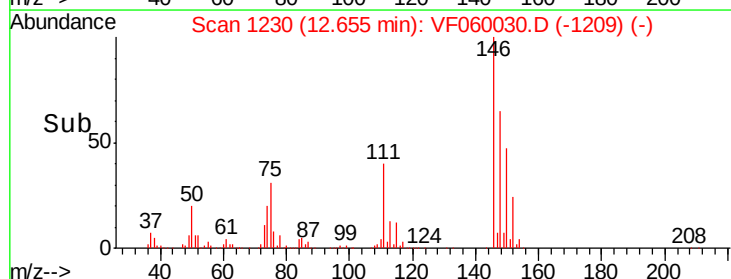
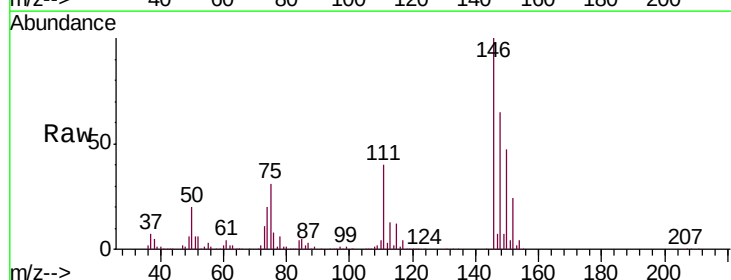
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF082118

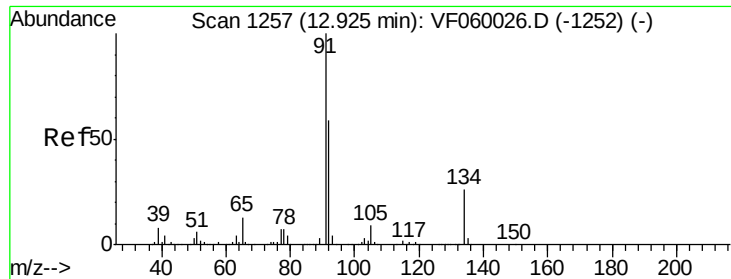
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.9	65.5
148	62.3	32.9	98.7



#88
 1,4-Dichlorobenzene
 Concen: 47.688 ug/l
 RT: 12.65 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VF060030.D
 Acq: 21 Aug 2018 20:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	21.6	64.8
148	64.6	32.3	96.8





#89

n-Butylbenzene

Concen: 50.936 ug/l

RT: 12.93 min Scan# 1258

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

ClientSampleId :

ICVVF082118

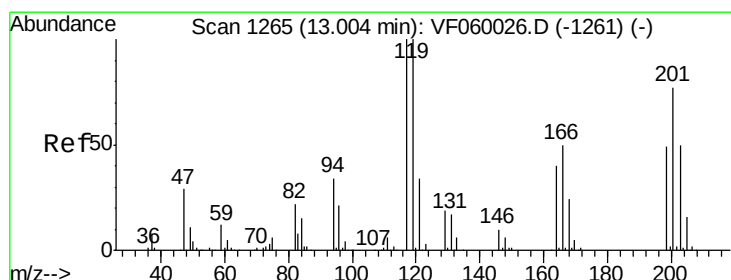
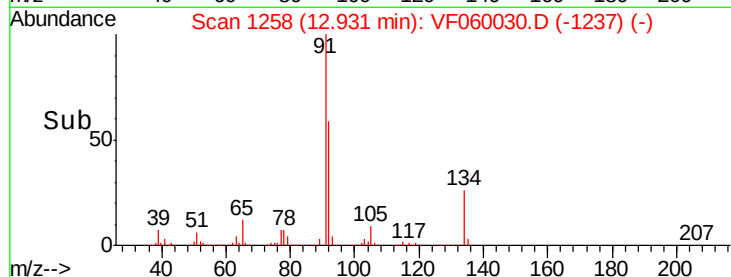
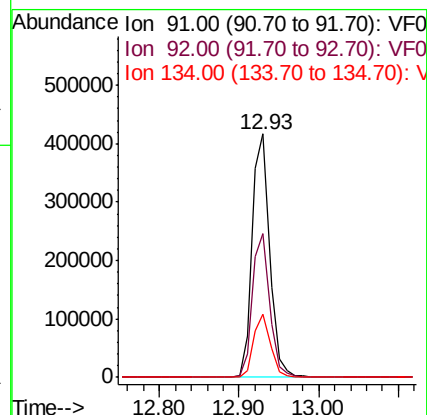
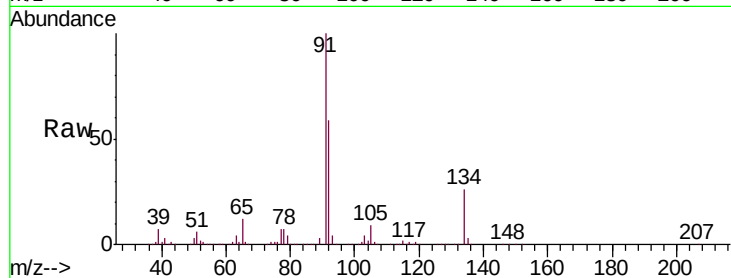
Tgt Ion: 91 Resp: 624823

Ion Ratio Lower Upper

91 100

92 59.2 29.3 87.9

134 26.2 12.8 38.3



#90

Hexachloroethane

Concen: 49.391 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VF060030.D

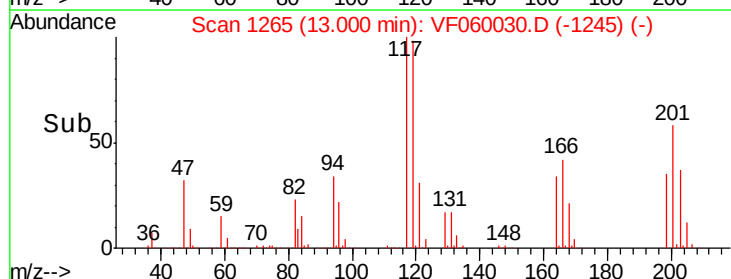
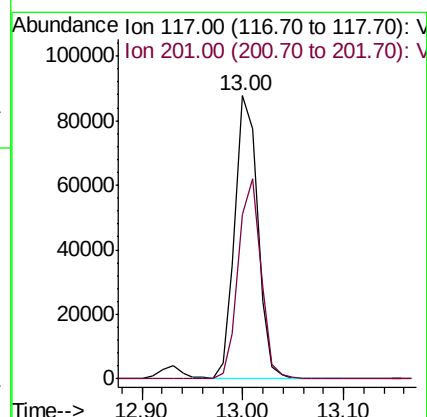
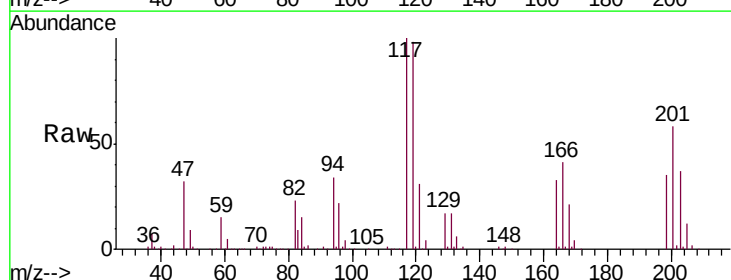
Acq: 21 Aug 2018 20:42

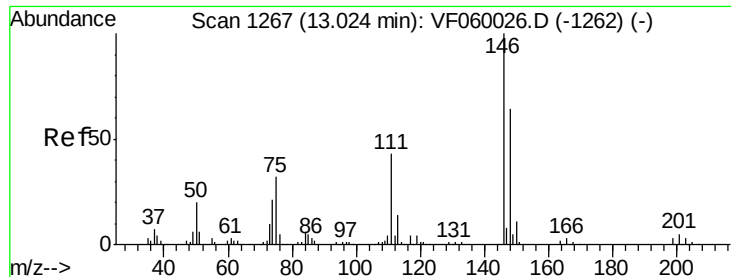
Tgt Ion: 117 Resp: 139638

Ion Ratio Lower Upper

117 100

201 59.6 38.6 115.8

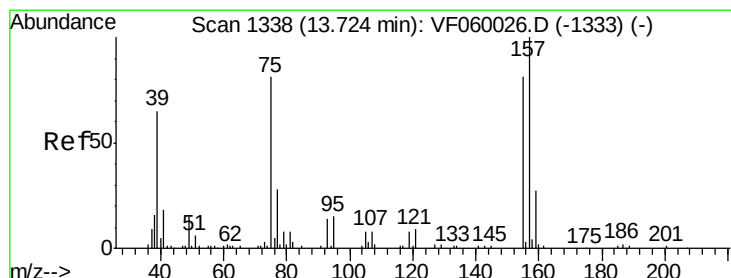
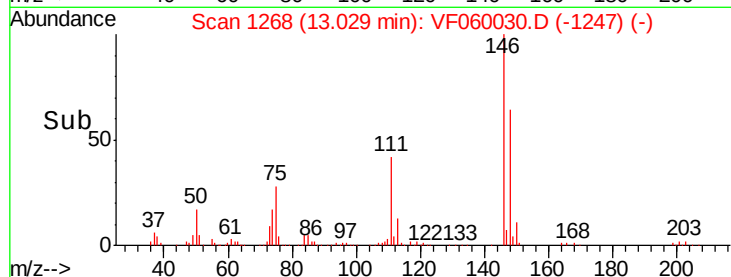
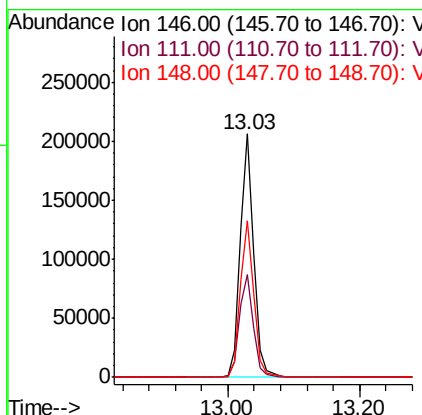
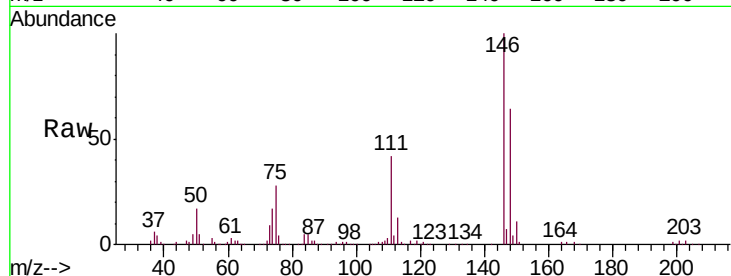




#91
 1,2-Dichlorobenzene
 Concen: 47.486 ug/l
 RT: 13.03 min Scan# 1268
 Delta R.T. 0.01 min
 Lab File: VF060030.D
 Acq: 21 Aug 2018 20:42

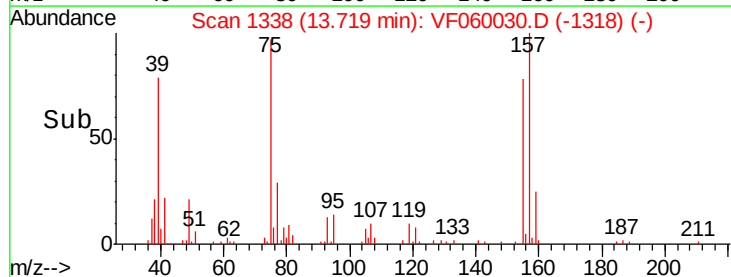
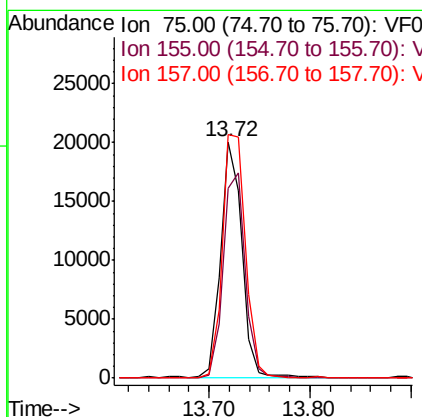
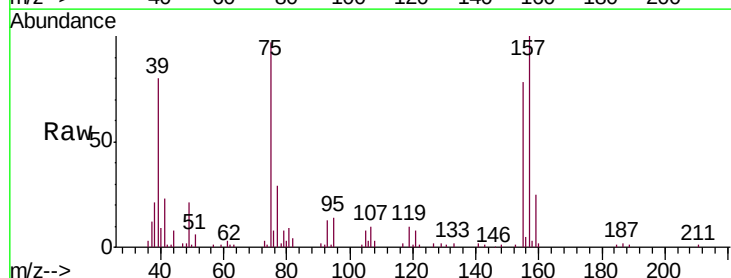
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF082118

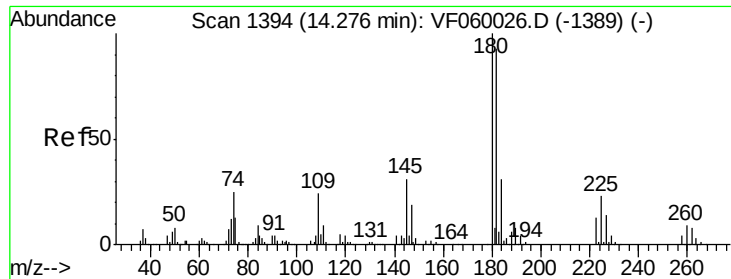
Tgt Ion: 146 Resp: 294227
 Ion Ratio Lower Upper
 146 100
 111 42.3 21.6 64.6
 148 64.1 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.204 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. -0.00 min
 Lab File: VF060030.D
 Acq: 21 Aug 2018 20:42

Tgt Ion: 75 Resp: 29766
 Ion Ratio Lower Upper
 75 100
 155 80.3 49.8 149.3
 157 103.1 61.6 184.7

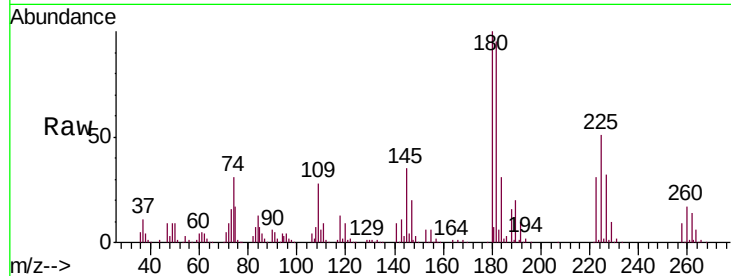




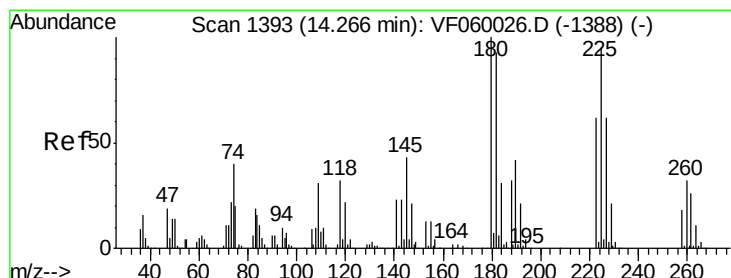
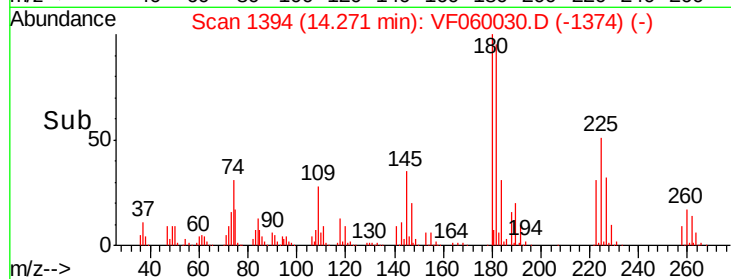
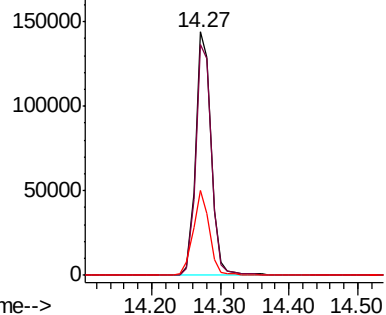
#93
 1,2,4-Trichlorobenzene
 Concen: 45.186 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. -0.00 min
 Lab File: VF060030.D
 Acq: 21 Aug 2018 20:42

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV082118

Tgt Ion:180 Resp: 226534
 Ion Ratio Lower Upper
 180 100
 182 94.7 46.8 140.3
 145 34.7 15.4 46.4

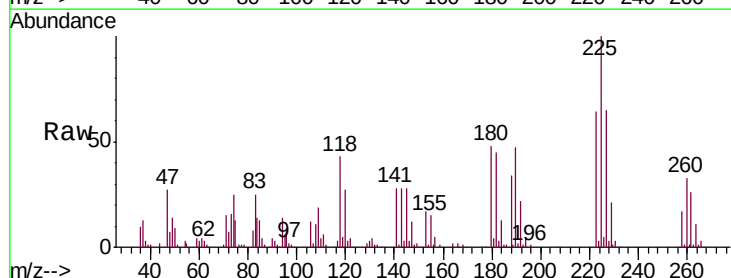


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

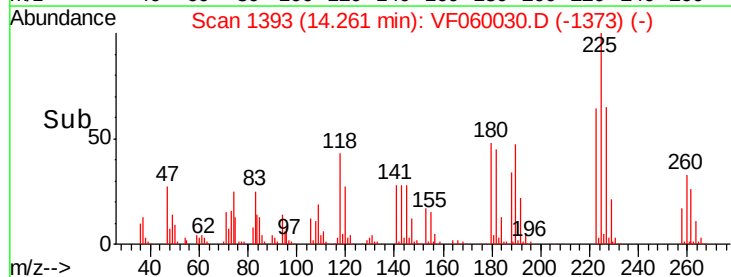
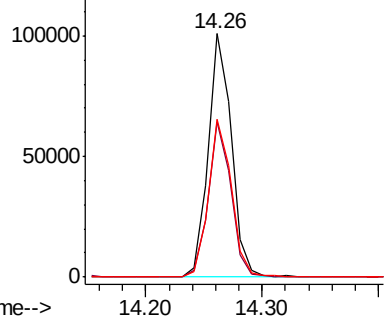


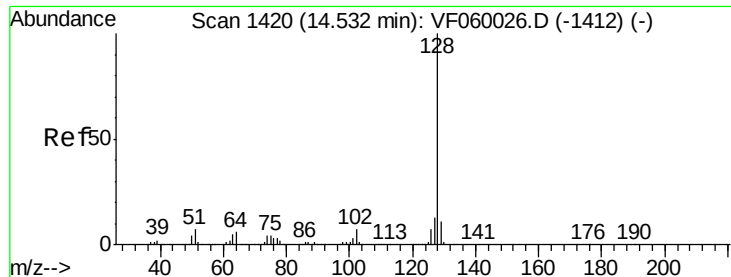
#94
 Hexachlorobutadiene
 Concen: 42.272 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VF060030.D
 Acq: 21 Aug 2018 20:42

Tgt Ion:225 Resp: 139266
 Ion Ratio Lower Upper
 225 100
 223 63.9 32.6 97.8
 227 64.6 33.0 98.9



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

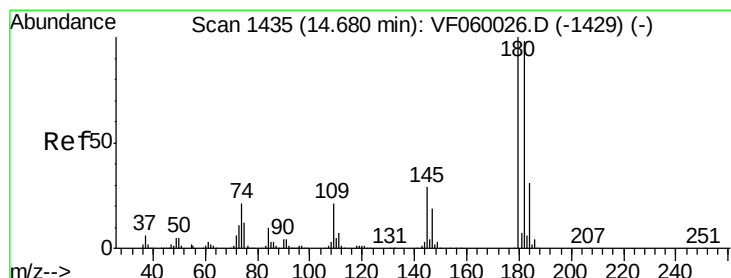
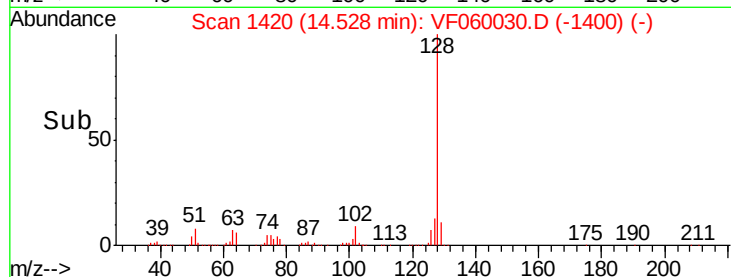
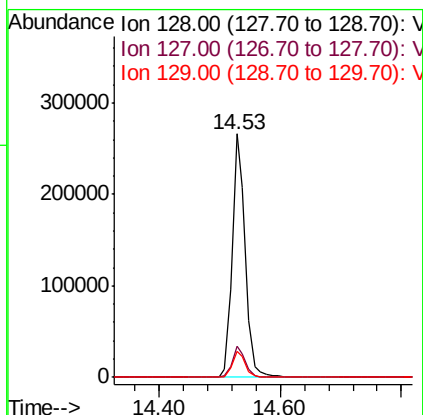
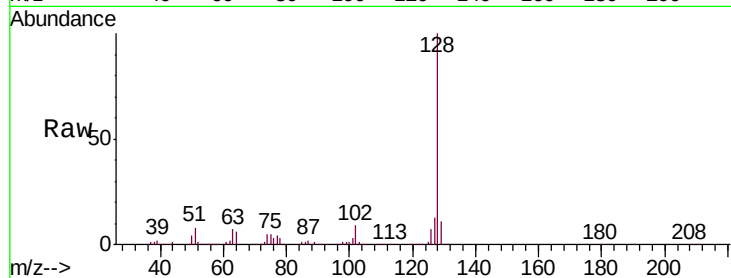




#95
Naphthalene
Concen: 55.219 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. -0.00 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Instrument :
MSVOA_F
ClientSampleId :
ICVVF082118

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.8	8.5	12.7



#96
1,2,3-Trichlorobenzene
Concen: 45.566 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.2	49.0	147.2
145	33.2	14.4	43.2

