

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091018\
 Data File : VF060226.D
 Acq On : 10 Sep 2018 10:15
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 10 13:13:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 07 10:44:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	173996	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	252091	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	258538	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	157380	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	132745	43.67	ug/l	0.00
Spiked Amount			Recovery	=	87.34%	
35) Dibromofluoromethane	4.29	113	118990	48.18	ug/l	-0.01
Spiked Amount			Recovery	=	96.36%	
50) Toluene-d8	7.71	98	299526	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	
62) 4-Bromofluorobenzene	11.51	95	160338	46.11	ug/l	0.00
Spiked Amount			Recovery	=	92.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.95	85	156139	47.075	ug/l	97
3) Chloromethane	1.07	50	89501	51.173	ug/l	96
4) Vinyl Chloride	1.12	62	80300	59.573	ug/l	100
5) Bromomethane	1.32	94	56404	46.710	ug/l	99
6) Chloroethane	1.39	64	44204	51.200	ug/l	92
7) Trichlorofluoromethane	1.49	101	209603	55.759	ug/l	92
8) Diethyl Ether	1.69	74	26868	48.342	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.86	101	96911	52.719	ug/l	96
10) Methyl Iodide	1.93	142	68327	41.262	ug/l #	94
11) Tert butyl alcohol	2.67	59	24793	161.957	ug/l #	89
12) 1,1-Dichloroethene	1.82	96	67904	54.299	ug/l	95
13) Acrolein	2.09	56	17111	272.492	ug/l #	68
14) Allyl chloride	2.19	41	111291	59.334	ug/l	94
15) Acrylonitrile	3.06	53	60411	261.414	ug/l	96
16) Acetone	2.33	43	178547	241.780	ug/l	98
17) Carbon Disulfide	1.84	76	204869	56.205	ug/l	99
18) Methyl Acetate	2.44	43	48304	47.028	ug/l #	92
19) Methyl tert-butyl Ether	2.53	73	182773	44.174	ug/l	97
20) Methylene Chloride	2.28	84	68981	45.668	ug/l	95
21) trans-1,2-Dichloroethene	2.41	96	70579	55.155	ug/l	93
22) Diisopropyl ether	2.92	45	250058	53.197	ug/l	95
23) Vinyl Acetate	3.32	43	368781	191.844	ug/l	100
24) 1,1-Dichloroethane	3.00	63	188857	61.770	ug/l	98
25) 2-Butanone	4.49	43	195220	228.505	ug/l	100
26) 2,2-Dichloropropane	3.75	77	197757	46.730	ug/l	95
27) cis-1,2-Dichloroethene	3.64	96	95633	57.258	ug/l	90
28) Bromochloromethane	3.89	49	45996	44.174	ug/l #	96
29) Tetrahydrofuran	4.24	42	60638	214.696	ug/l	97
30) Chloroform	4.03	83	234578	52.372	ug/l	97
31) Cyclohexane	3.85	56	114100	54.550	ug/l	100
32) 1,1,1-Trichloroethane	4.27	97	228178	51.137	ug/l	96
36) 1,1-Dichloropropene	4.45	75	155934	52.555	ug/l	98
37) Ethyl Acetate	4.28	43	61771	40.690	ug/l #	1
38) Carbon Tetrachloride	4.17	117	205973	50.494	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	129663	52.166	ug/l	92
40) Benzene	4.81	78	283777	53.681	ug/l	97
41) Methacrylonitrile	4.91	41	30923	40.066	ug/l	91
42) 1,2-Dichloroethane	5.11	62	177425	46.440	ug/l	99
43) Isopropyl Acetate	7.11	43	70079	40.606	ug/l #	98
44) Trichloroethene	5.68	130	107313	50.120	ug/l	95
45) 1,2-Dichloropropane	6.40	63	76619	50.994	ug/l #	86
46) Dibromomethane	6.25	93	66087	49.953	ug/l	93
47) Bromodichloromethane	6.54	83	174703	48.652	ug/l	99
48) Methyl methacrylate	6.87	41	56167	40.970	ug/l	94
49) 1,4-Dioxane	6.87	88	7440	369.337	ug/l #	82
51) 4-Methyl-2-Pentanone	8.40	43	307643	200.633	ug/l	98
52) Toluene	7.78	92	206423	50.421	ug/l	94
53) t-1,3-Dichloropropene	8.43	75	145145	48.104	ug/l	100
54) cis-1,3-Dichloropropene	7.45	75	156810	50.063	ug/l	95
55) 1,1,2-Trichloroethane	8.63	97	69045	45.853	ug/l	97
56) Ethyl methacrylate	8.76	69	76981	44.720	ug/l	95
57) 1,3-Dichloropropane	9.00	76	124033	46.329	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.78	63	44132	238.397	ug/l	100
59) 2-Hexanone	9.63	43	239453	208.602	ug/l	94
60) Dibromochloromethane	8.86	129	124220	49.807	ug/l	89
61) 1,2-Dibromoethane	9.14	107	83447	46.204	ug/l	82
64) Tetrachloroethene	8.31	164	130222	49.092	ug/l	93
65) Chlorobenzene	9.94	112	270374	50.526	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	110510	46.594	ug/l	98
67) Ethyl Benzene	10.04	91	510054	51.089	ug/l	97
68) m/p-Xylenes	10.27	106	342048	102.112	ug/l	96
69) o-Xylene	10.83	106	188421	52.733	ug/l	92
70) Styrene	10.90	104	275663	50.897	ug/l	98
71) Bromoform	10.89	173	73066	53.361	ug/l #	97
73) Isopropylbenzene	11.23	105	574862	52.954	ug/l	100
74) N-amyl acetate	11.46	43	80206	38.343	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	80610	49.379	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	75665	43.739	ug/l	94
77) Bromobenzene	11.59	156	140401	49.387	ug/l	79
78) n-propylbenzene	11.69	91	685431	52.691	ug/l	95
79) 2-Chlorotoluene	11.81	91	400225	50.926	ug/l	96
80) 1,3,5-Trimethylbenzene	11.92	105	507375	52.945	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.96	75	44667	107.468	ug/l	91
82) 4-Chlorotoluene	11.98	91	441251	50.594	ug/l	98
83) tert-Butylbenzene	12.21	119	472916	54.156	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	502142	51.578	ug/l	95
85) sec-Butylbenzene	12.39	105	642967	53.374	ug/l	95
86) p-Isopropyltoluene	12.54	119	564788	52.799	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	262375	50.507	ug/l	96
88) 1,4-Dichlorobenzene	12.65	146	258779	50.334	ug/l	98
89) n-Butylbenzene	12.92	91	536978	51.903	ug/l	97
90) Hexachloroethane	12.99	117	128086	59.066	ug/l	97
91) 1,2-Dichlorobenzene	13.02	146	247104	50.100	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	21376	51.315	ug/l	85

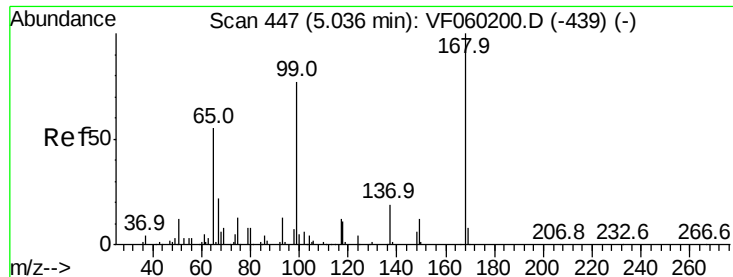
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF091018\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	180502	47.352	ug/l	99
94) Hexachlorobutadiene	14.25	225	146787	54.031	ug/l	98
95) Naphthalene	14.52	128	173369	30.221	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	171619	47.967	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 448

Delta R.T. 0.01 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

Instrument :

MSVOA_F

ClientSampleId :

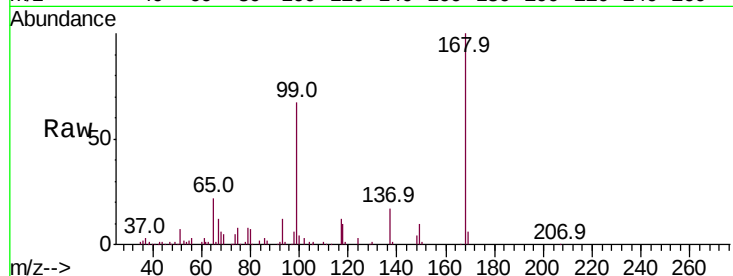
VSTDCCC050

Tot Ion:168 Resp: 173996

Ion Ratio Lower Upper

168 100

99 66.5 61.8 92.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

60000

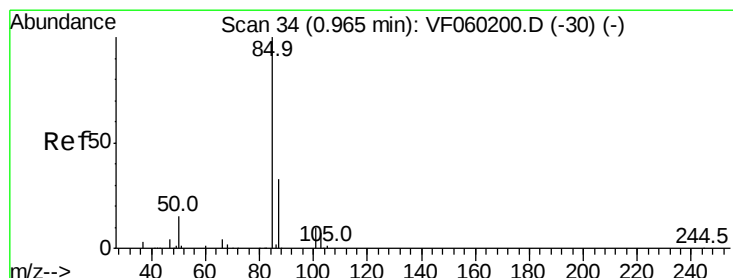
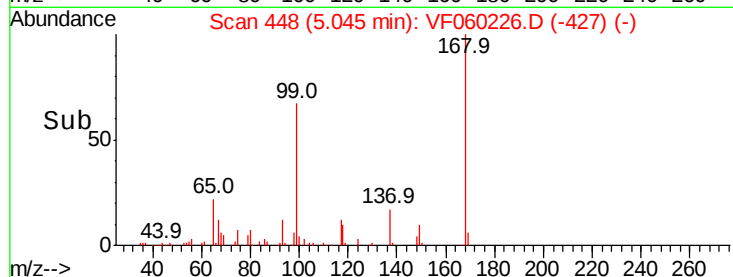
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 47.075 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.01 min

Lab File: VF060226.D

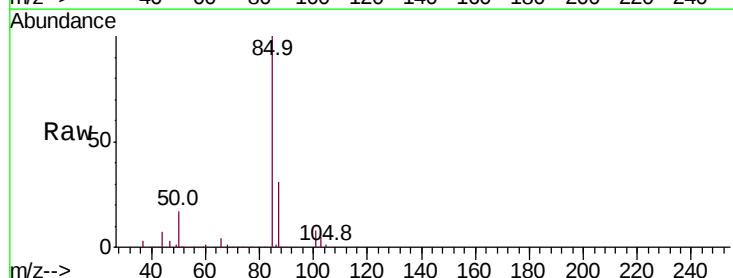
Acq: 10 Sep 2018 10:15

Tgt Ion: 85 Resp: 156139

Ion Ratio Lower Upper

85 100

87 30.8 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

100000

80000

60000

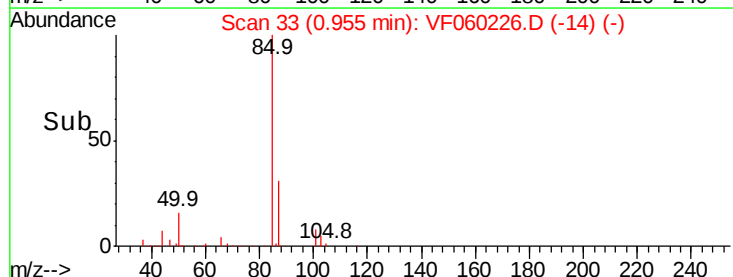
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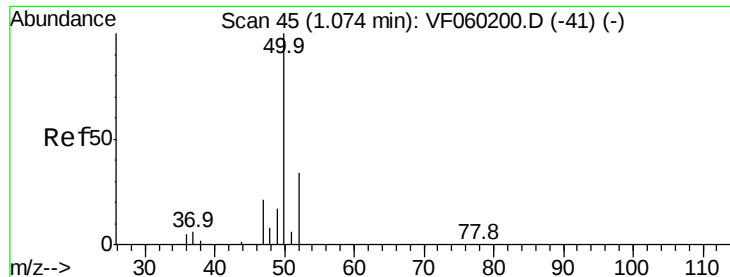
20000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 51.173 ug/l

RT: 1.07 min Scan# 45

Delta R.T. -0.00 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

Instrument :

MSVOA_F

ClientSampleId :

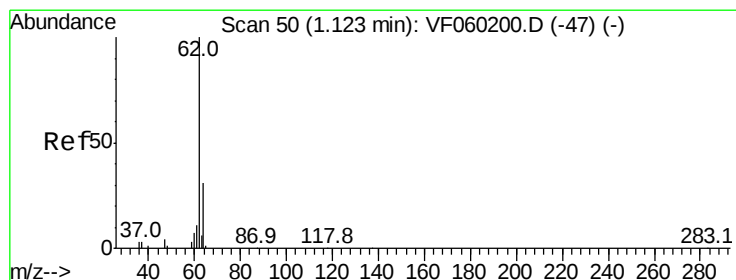
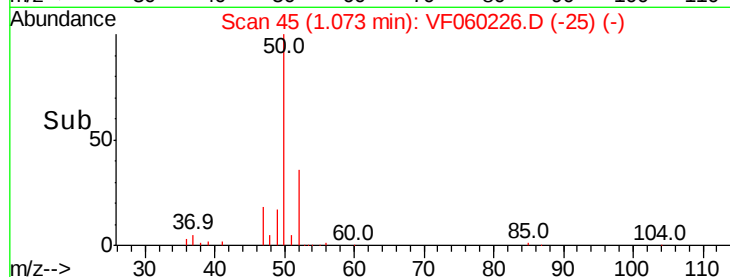
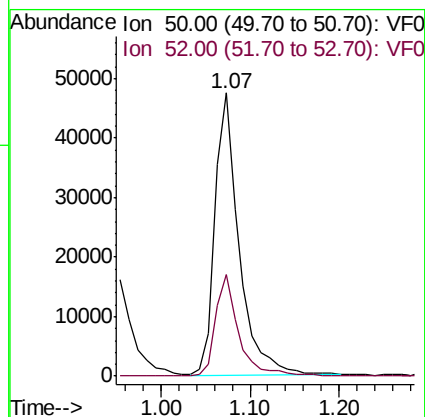
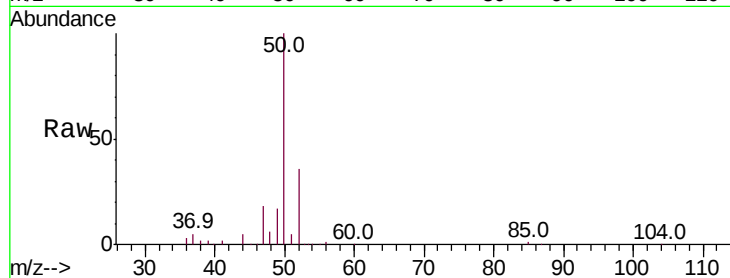
VSTDCCC050

Tot Ion: 50 Resp: 89501

Ion Ratio Lower Upper

50 100

52 36.1 26.9 40.3



#4

Vinyl Chloride

Concen: 59.573 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.00 min

Lab File: VF060226.D

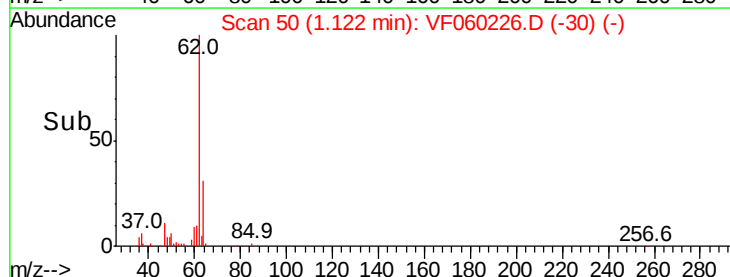
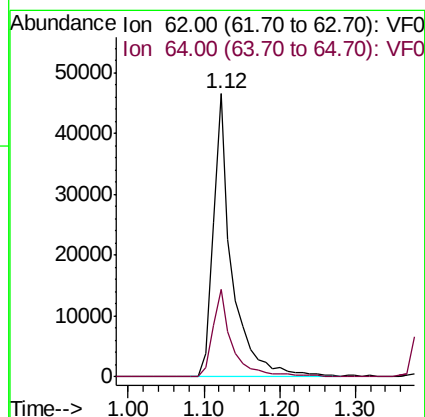
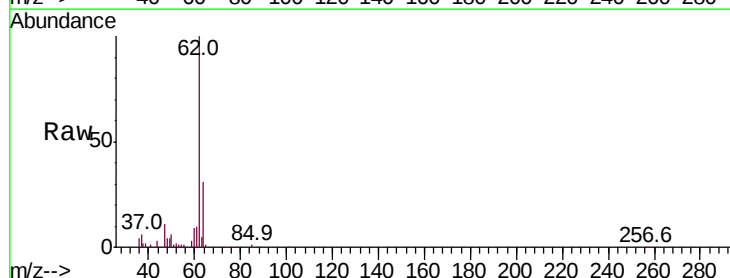
Acq: 10 Sep 2018 10:15

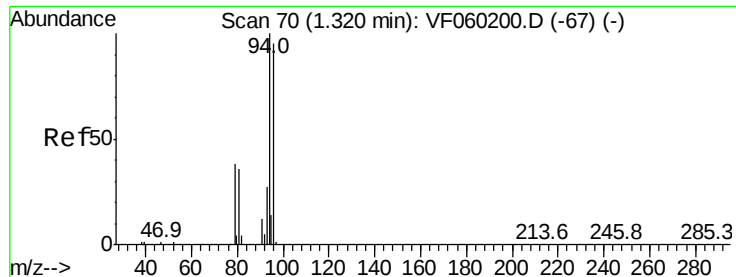
Tgt Ion: 62 Resp: 80300

Ion Ratio Lower Upper

62 100

64 30.8 24.8 37.2





#5

Bromomethane

Concen: 46.710 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

Instrument :

MSVOA_F

ClientSampleId :

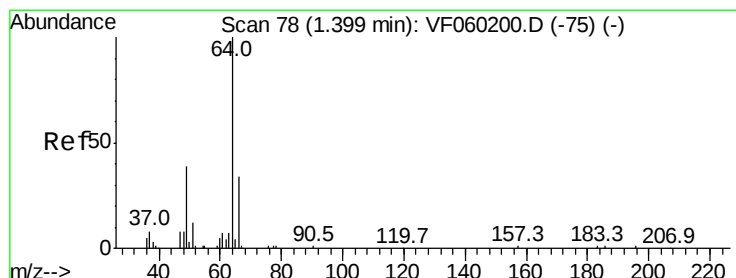
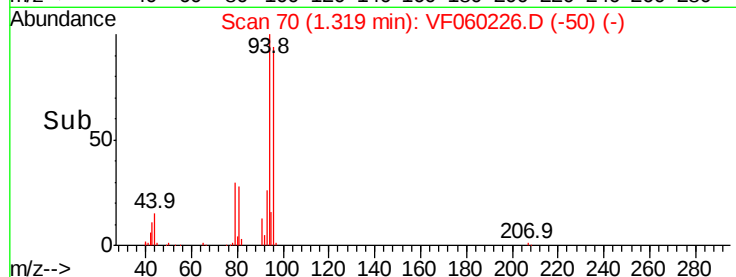
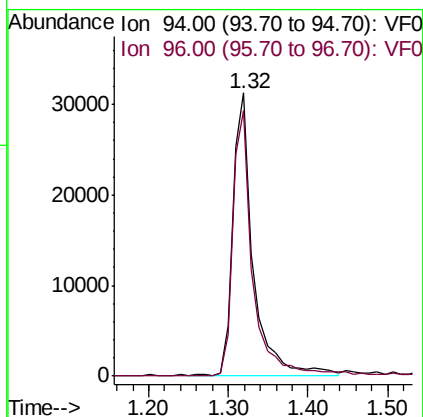
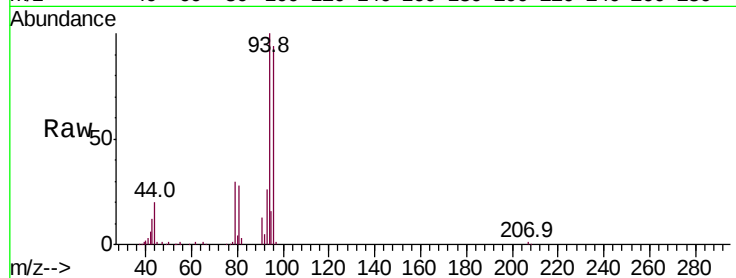
VSTDCCC050

Tot Ion: 94 Resp: 56404

Ion Ratio Lower Upper

94 100

96 93.8 75.8 113.6



#6

Chloroethane

Concen: 51.200 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.01 min

Lab File: VF060226.D

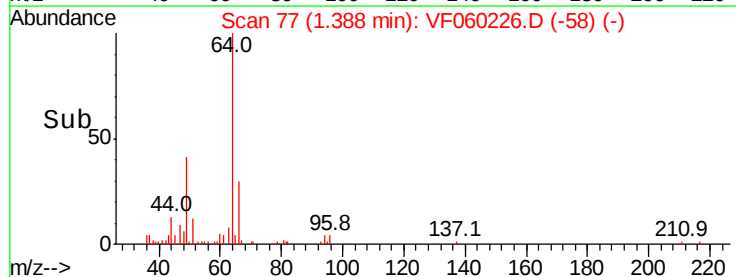
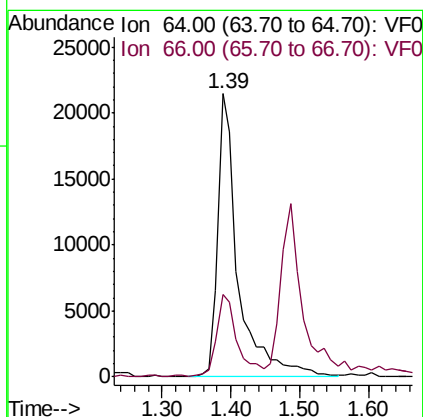
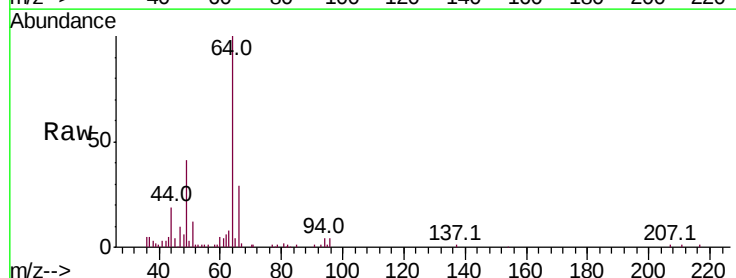
Acq: 10 Sep 2018 10:15

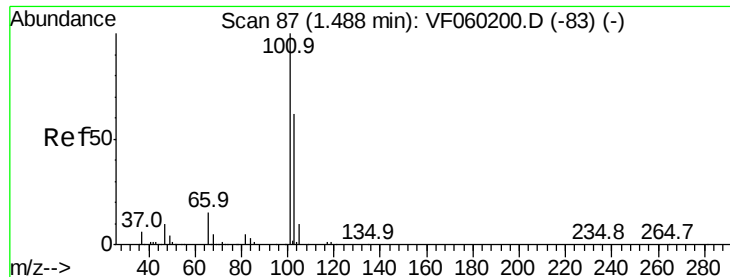
Tgt Ion: 64 Resp: 44204

Ion Ratio Lower Upper

64 100

66 29.3 27.1 40.7



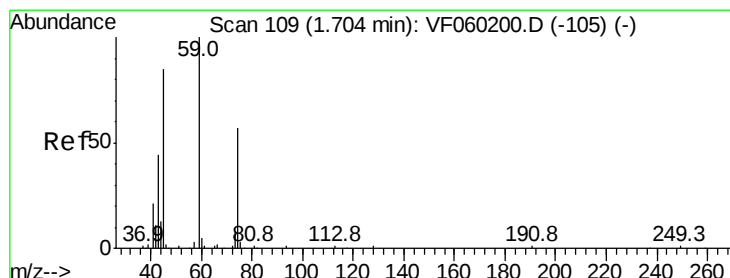
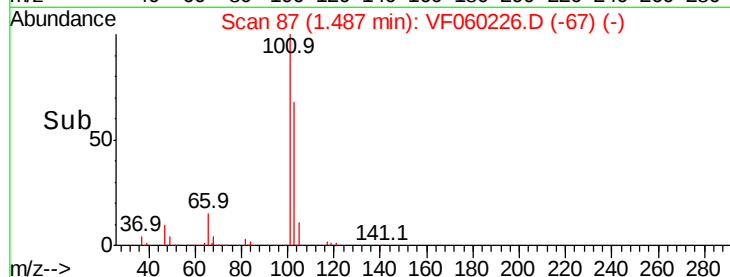
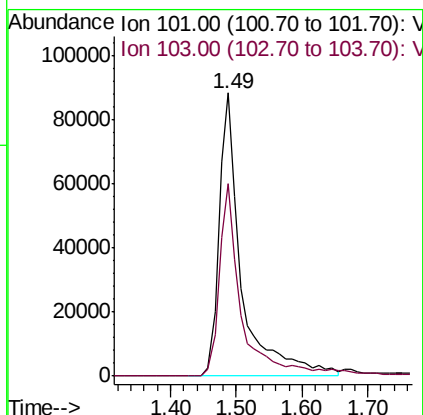
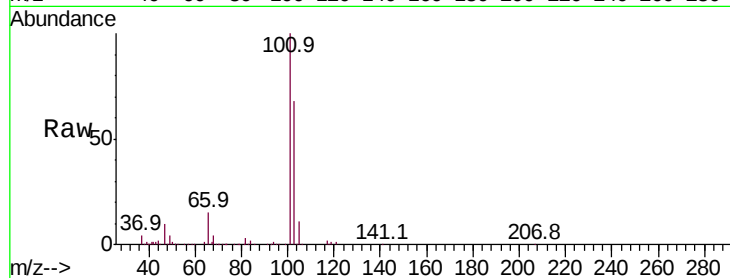


#7

Trichlorofluoromethane
 Concen: 55.759 ug/l
 RT: 1.49 min Scan# 87
 Delta R.T. -0.00 min
 Lab File: VF060226.D
 Acq: 10 Sep 2018 10:15

Instrument :
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 ClientSampleId :
 VSTDCCC050

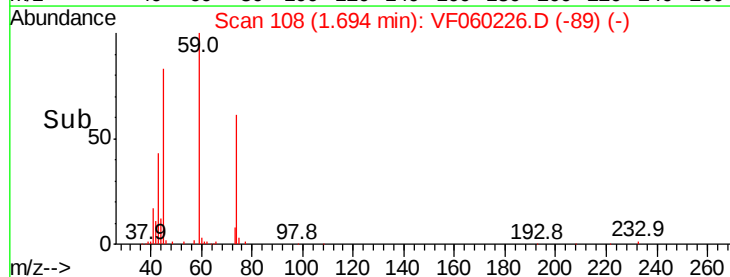
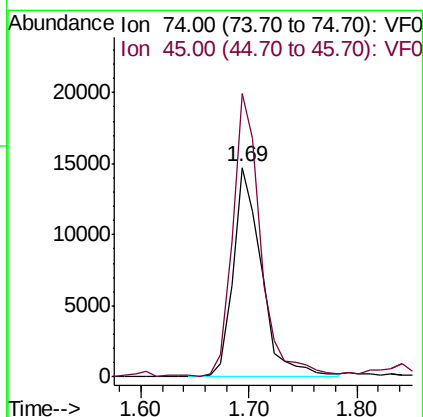
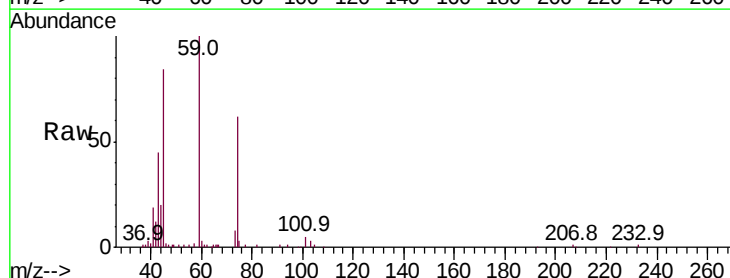
Tot Ion:101 Resp: 209603
 Ion Ratio Lower Upper
 101 100
 103 68.0 49.5 74.3

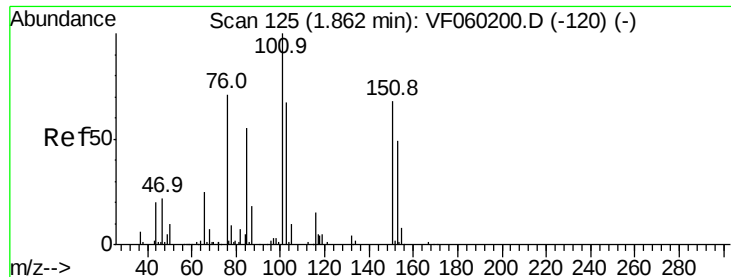


#8

Diethyl Ether
 Concen: 48.342 ug/l
 RT: 1.69 min Scan# 108
 Delta R.T. -0.01 min
 Lab File: VF060226.D
 Acq: 10 Sep 2018 10:15

Tgt Ion: 74 Resp: 26868
 Ion Ratio Lower Upper
 74 100
 45 135.0 75.3 225.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.719 ug/l

RT: 1.86 min Scan# 125

Delta R.T. -0.00 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

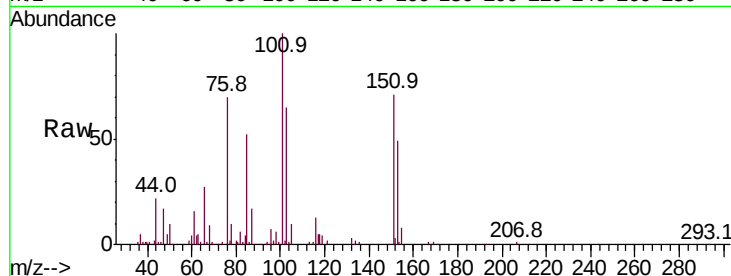
Tot Ion:101 Resp: 96911

Ion Ratio Lower Upper

101 100

85 51.7 43.0 64.4

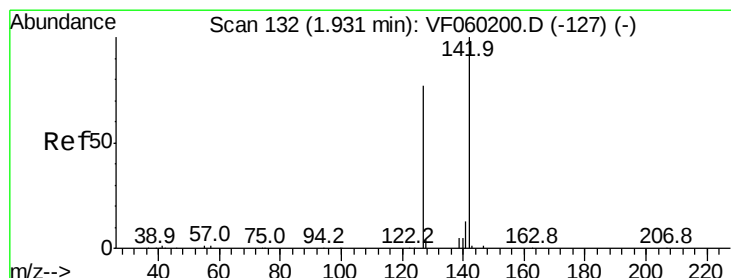
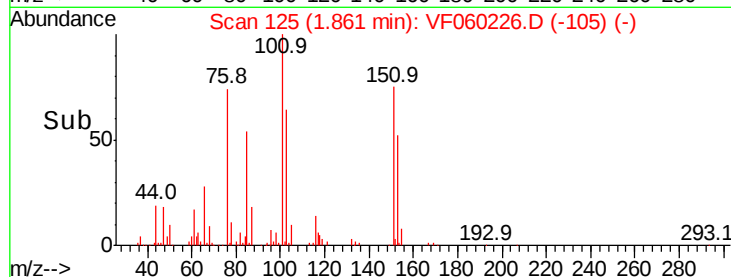
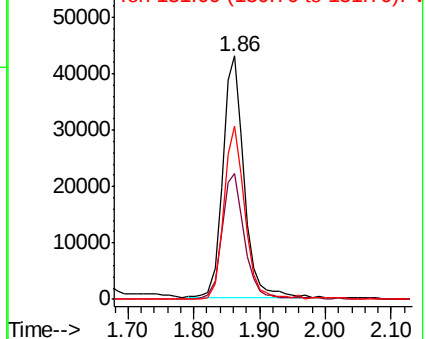
151 71.1 53.6 80.4



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: 41.262 ug/l

RT: 1.93 min Scan# 132

Delta R.T. -0.00 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

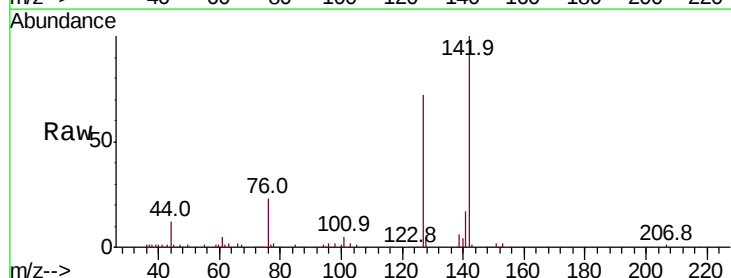
Tgt Ion:142 Resp: 68327

Ion Ratio Lower Upper

142 100

127 71.7 61.1 91.7

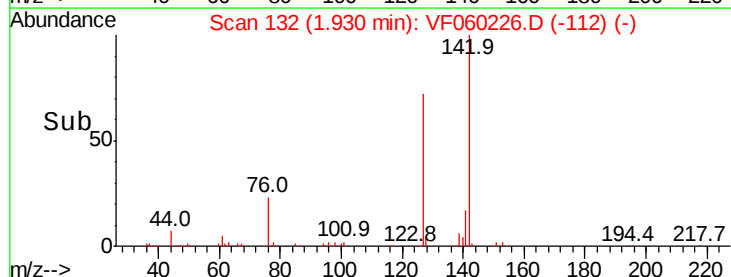
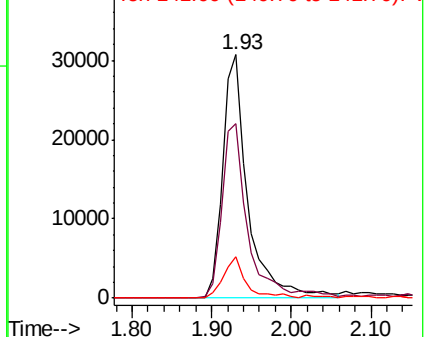
141 17.2 10.6 15.8#

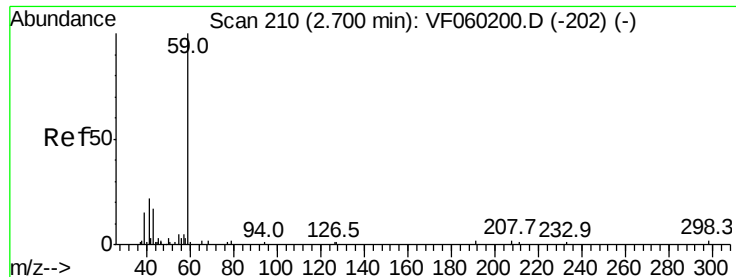


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



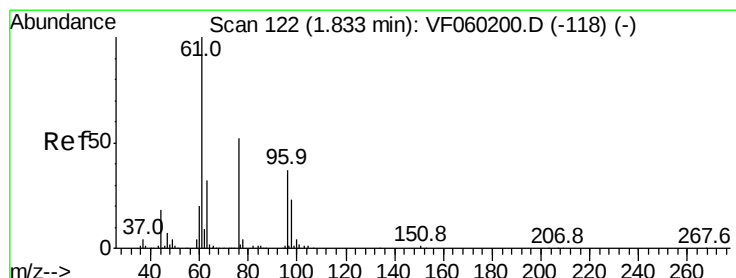
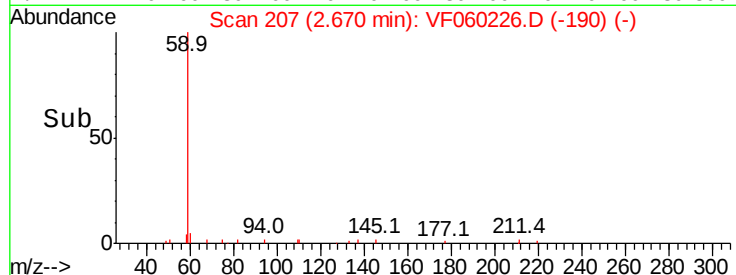
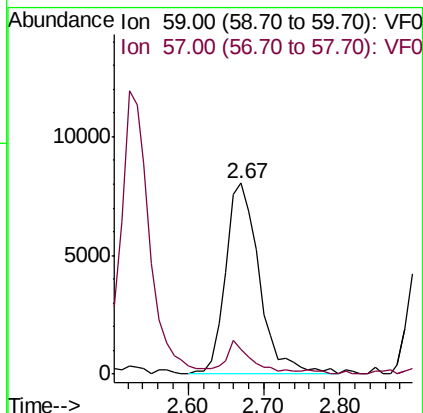
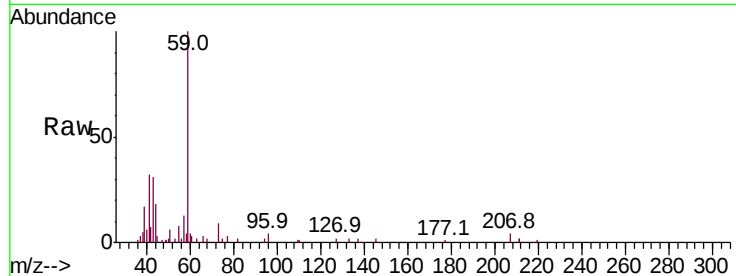


#11

Tert butyl alcohol
 Concen: 161.957 ug/l
 RT: 2.67 min Scan# 207
 Delta R.T. -0.03 min
 Lab File: VF060226.D
 Acq: 10 Sep 2018 10:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

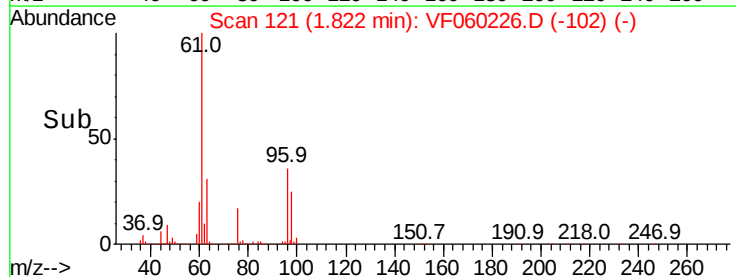
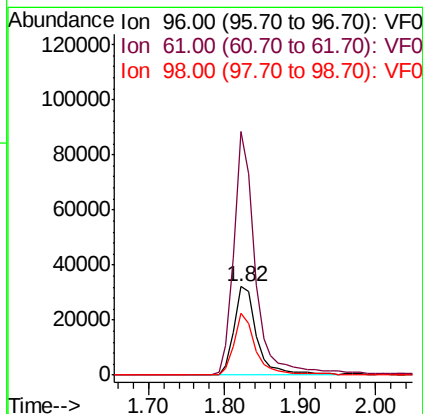
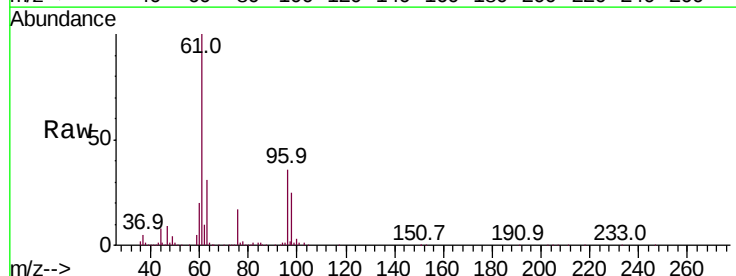
Tot Ion: 59 Resp: 24793
 Ion Ratio Lower Upper
 59 100
 57 12.8 7.2 10.8#

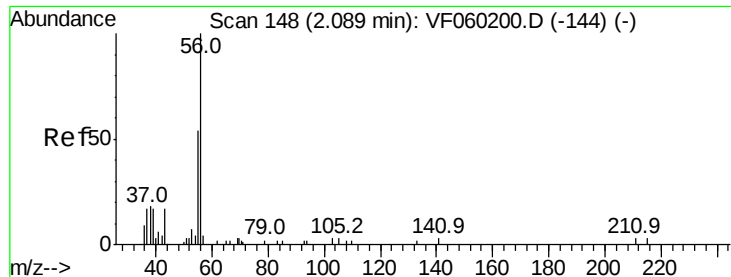


#12

1,1-Dichloroethene
 Concen: 54.299 ug/l
 RT: 1.82 min Scan# 121
 Delta R.T. -0.01 min
 Lab File: VF060226.D
 Acq: 10 Sep 2018 10:15

Tgt Ion: 96 Resp: 67904
 Ion Ratio Lower Upper
 96 100
 61 275.2 214.6 321.8
 98 69.5 50.7 76.1

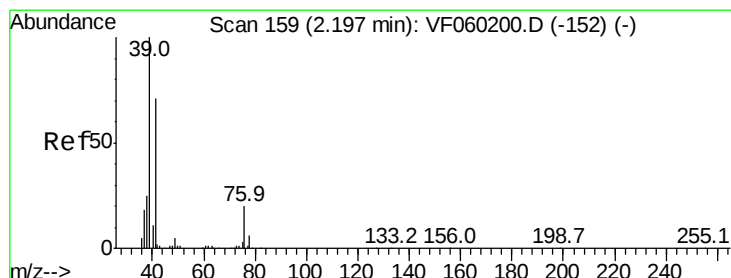
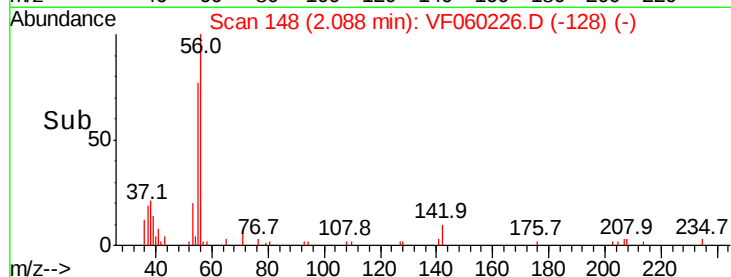
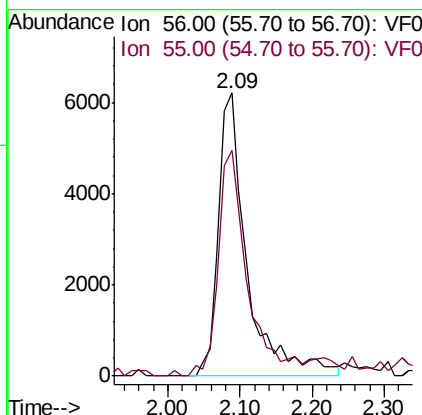
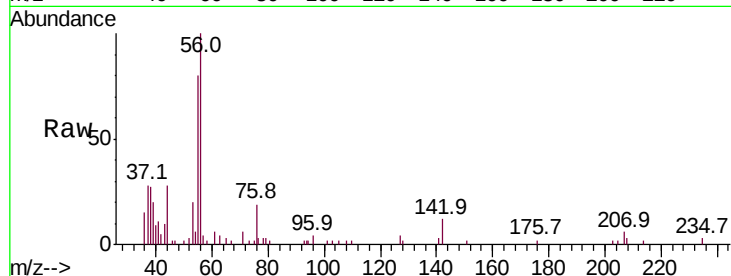




#13
 Acrolein
 Concen: 272.492 ug/l
 RT: 2.09 min Scan# 148
 Delta R.T. 0.00 min
 Lab File: VF060226.D
 Acq: 10 Sep 2018 10:15

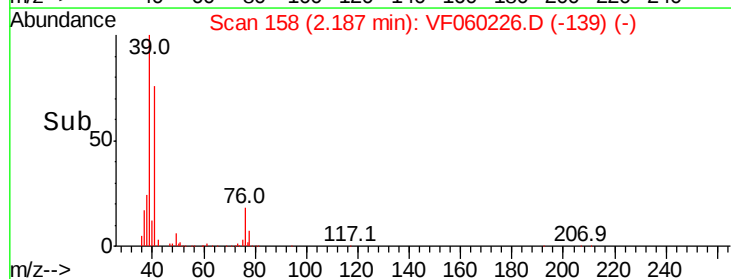
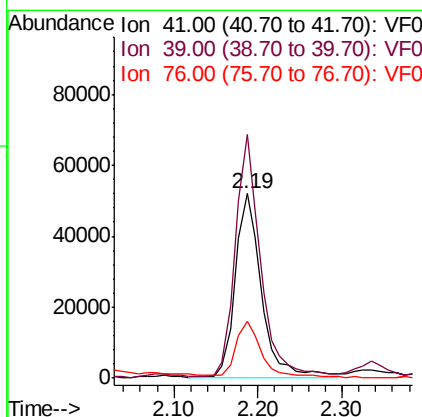
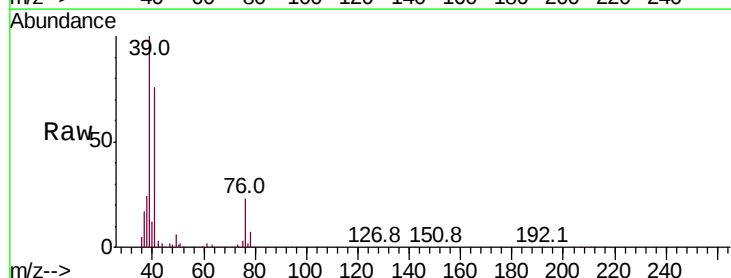
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

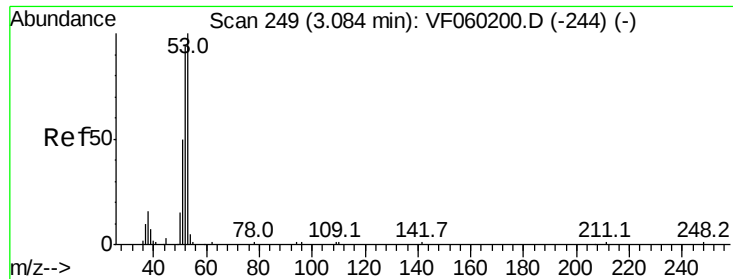
Tot Ion: 56 Resp: 17111
 Ion Ratio Lower Upper
 56 100
 55 79.7 45.1 67.7#



#14
 Allyl chloride
 Concen: 59.334 ug/l
 RT: 2.19 min Scan# 158
 Delta R.T. -0.01 min
 Lab File: VF060226.D
 Acq: 10 Sep 2018 10:15

Tgt Ion: 41 Resp: 111291
 Ion Ratio Lower Upper
 41 100
 39 132.3 112.2 168.2
 76 30.7 23.2 34.8





#15

Acrylonitrile

Concen: 261.414 ug/l

RT: 3.06 min Scan# 247

Delta R.T. -0.02 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

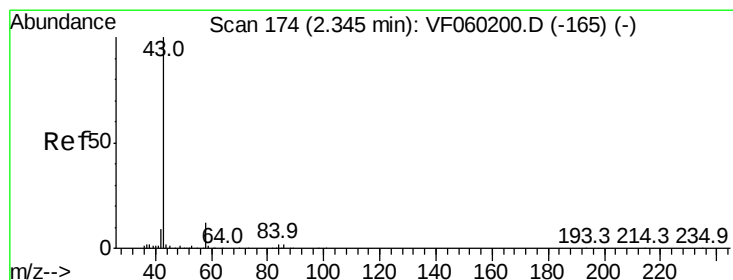
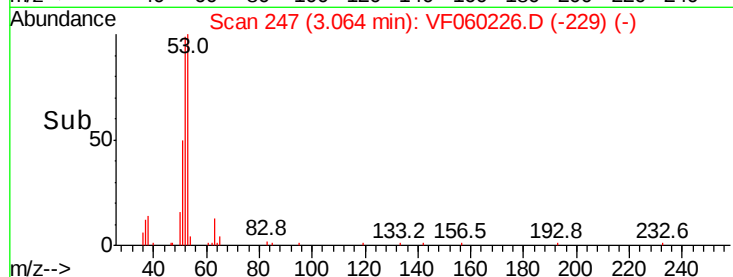
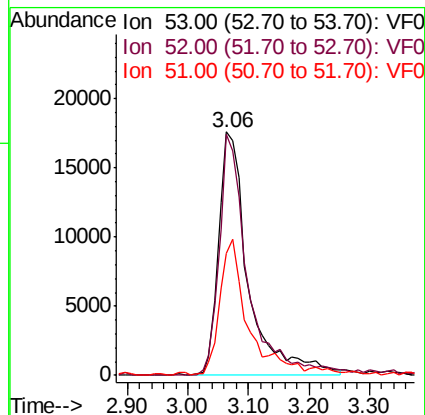
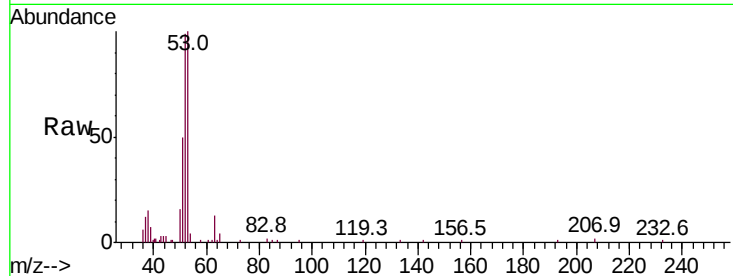
Tot Ion: 53 Resp: 60411

Ion Ratio Lower Upper

53 100

52 99.2 75.0 112.6

51 50.2 39.9 59.9



#16

Acetone

Concen: 241.780 ug/l

RT: 2.33 min Scan# 173

Delta R.T. -0.01 min

Lab File: VF060226.D

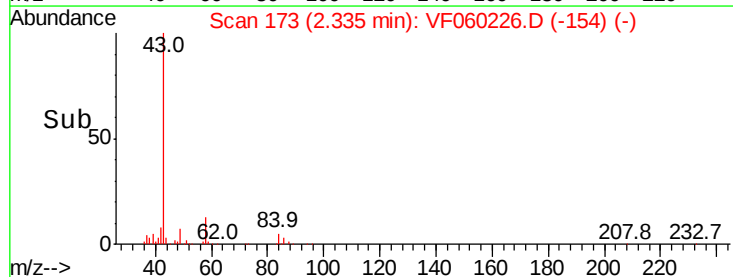
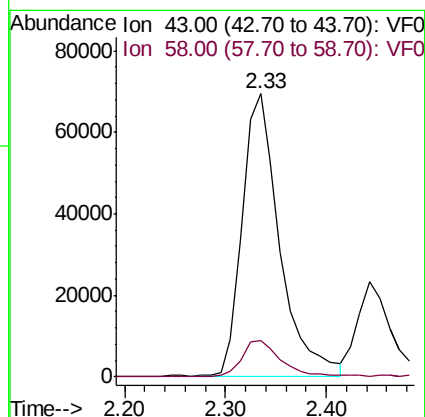
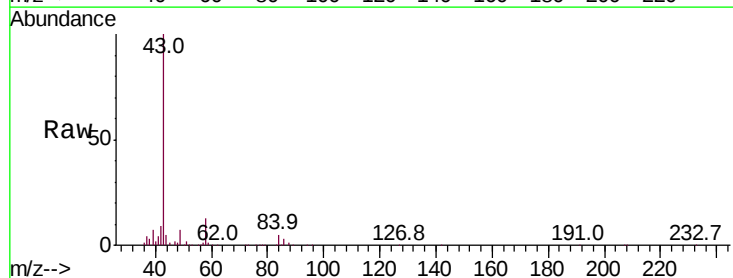
Acq: 10 Sep 2018 10:15

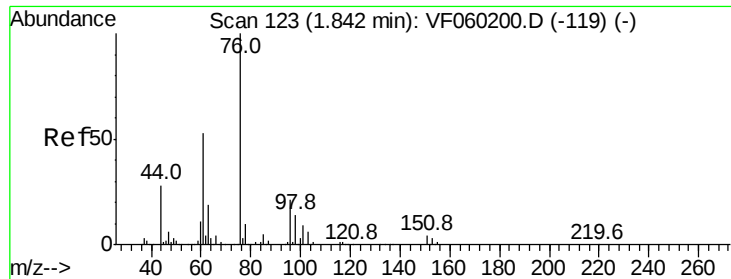
Tgt Ion: 43 Resp: 178547

Ion Ratio Lower Upper

43 100

58 12.9 9.7 14.5

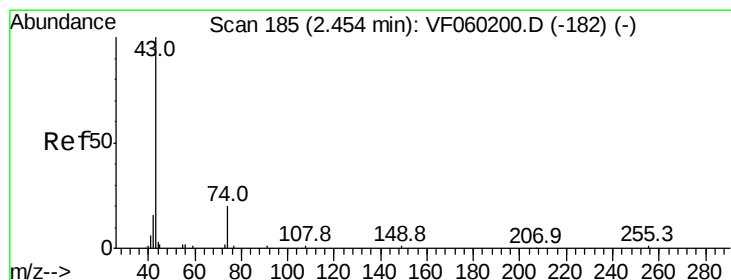
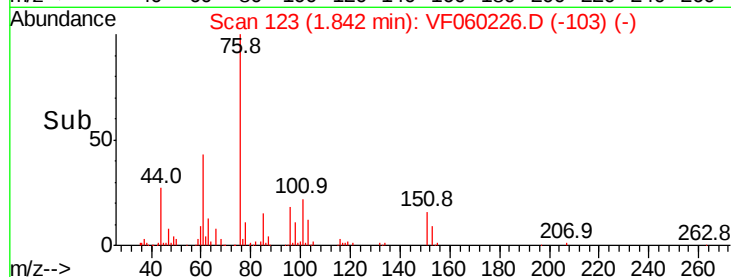
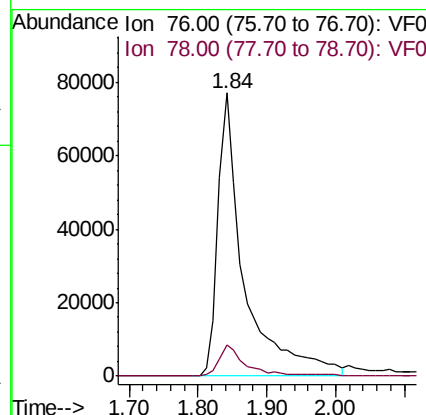
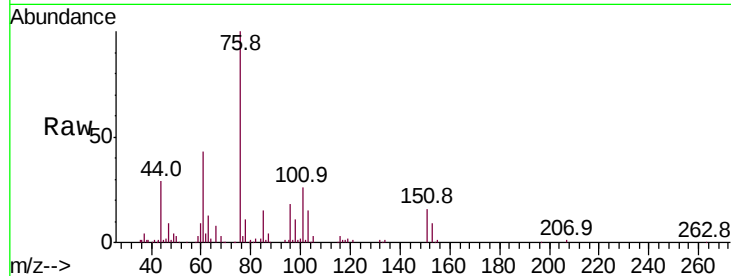




#17
Carbon Disulfide
Concen: 56.205 ug/l
RT: 1.84 min Scan# 123
Delta R.T. -0.00 min
Lab File: VF060226.D
Acq: 10 Sep 2018 10:15

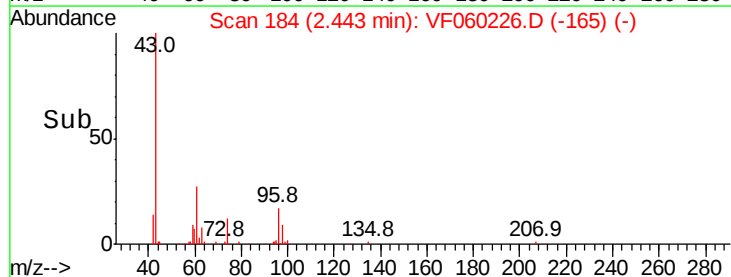
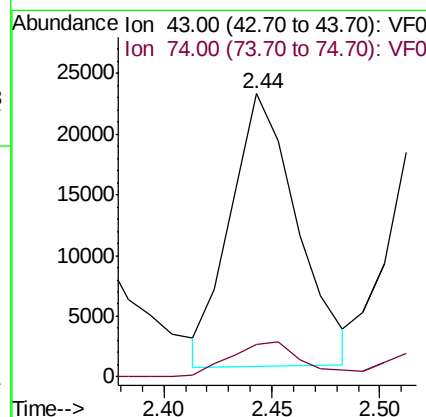
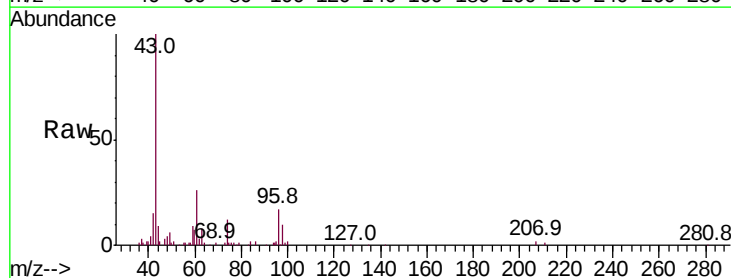
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

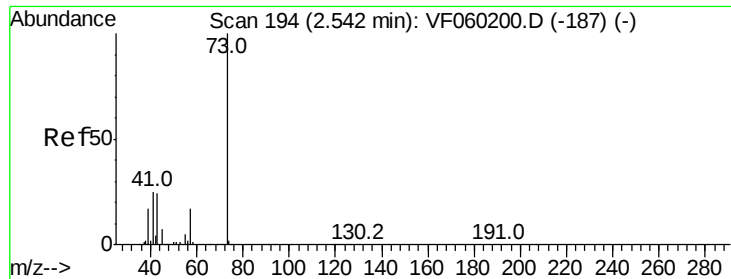
Tot Ion: 76 Resp: 204869
Ion Ratio Lower Upper
76 100
78 11.0 8.5 12.7



#18
Methyl Acetate
Concen: 47.028 ug/l
RT: 2.44 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF060226.D
Acq: 10 Sep 2018 10:15

Tgt Ion: 43 Resp: 48304
Ion Ratio Lower Upper
43 100
74 11.5 11.9 17.9#

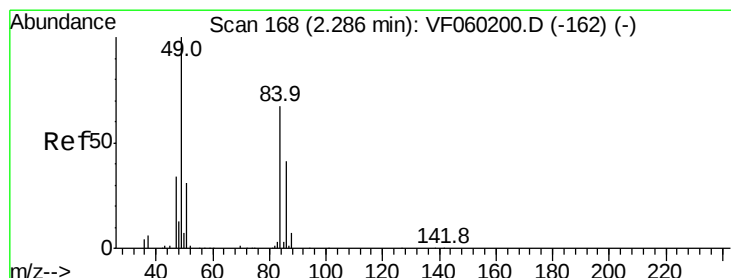
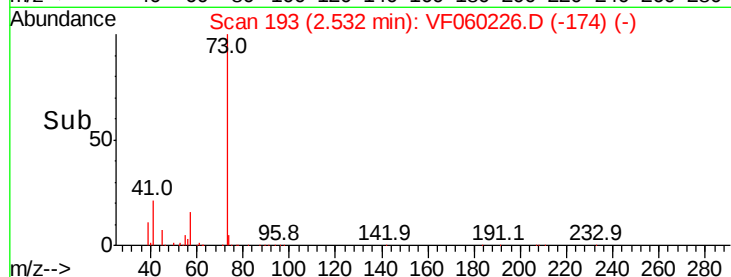
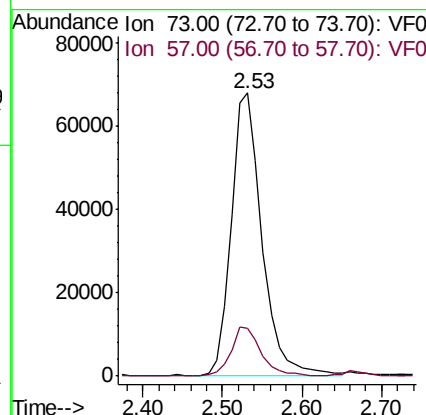
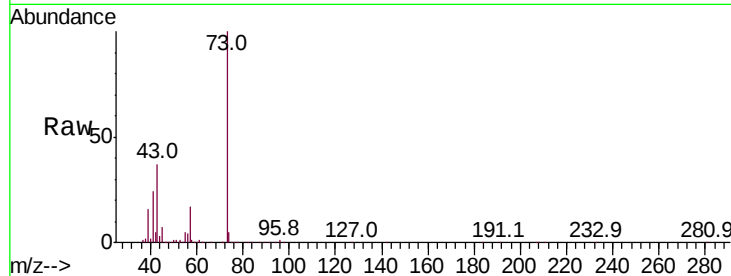




#19
Methvl tert-butvl Ether
Concen: 44.174 ug/l
RT: 2.53 min Scan# 193
Delta R.T. -0.01 min
Lab File: VF060226.D
Acq: 10 Sep 2018 10:15

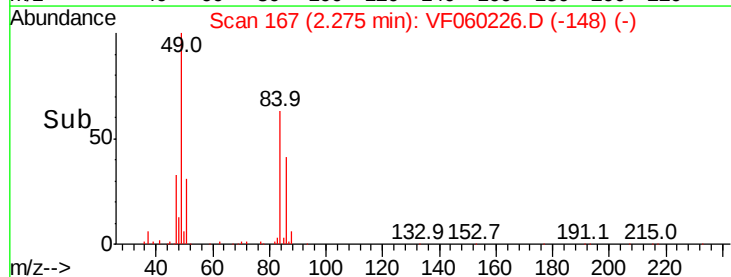
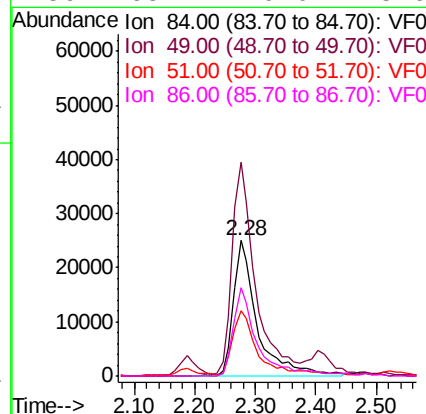
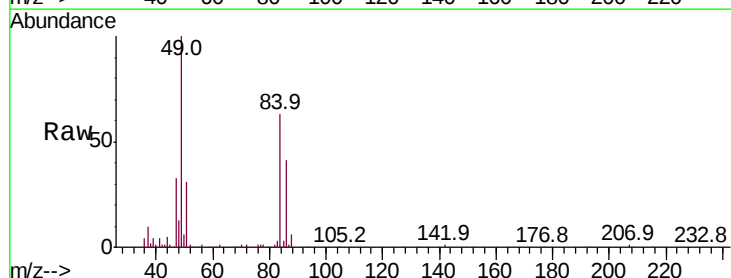
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

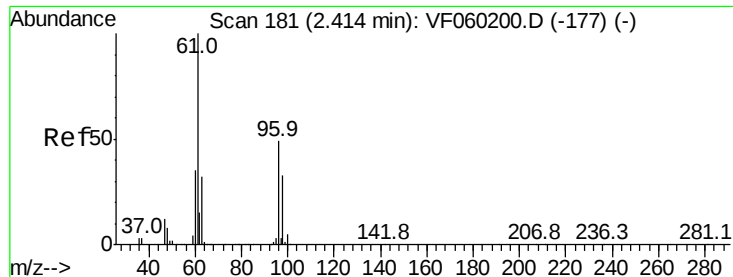
Tot Ion: 73 Resp: 182773
Ion Ratio Lower Upper
73 100
57 16.7 14.3 21.5



#20
Methylene Chloride
Concen: 45.668 ug/l
RT: 2.28 min Scan# 167
Delta R.T. -0.01 min
Lab File: VF060226.D
Acq: 10 Sep 2018 10:15

Tgt Ion: 84 Resp: 68981
Ion Ratio Lower Upper
84 100
49 157.6 120.1 180.1
51 48.5 37.0 55.6
86 65.2 49.0 73.6





#21

trans-1,2-Dichloroethene

Concen: 55.155 ug/l

RT: 2.41 min Scan# 181

Delta R.T. -0.00 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

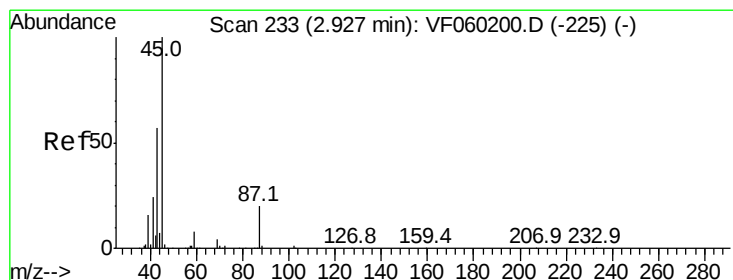
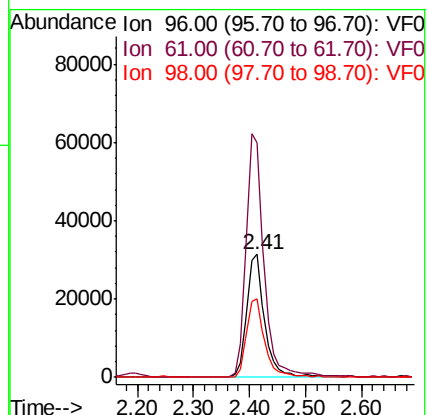
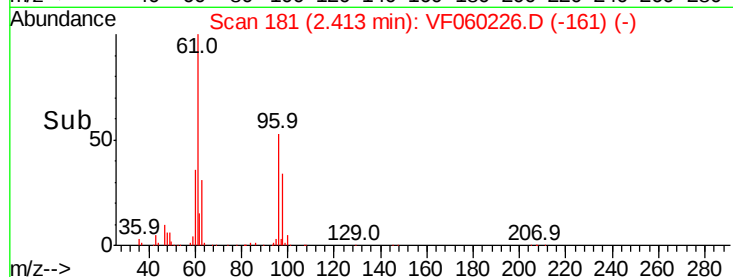
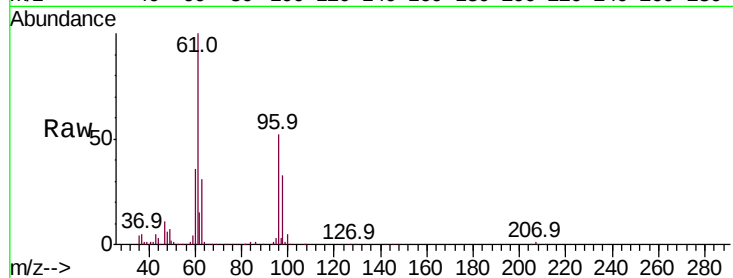
Tot Ion: 96 Resp: 70579

Ion Ratio Lower Upper

96 100

61 191.1 163.1 244.7

98 63.9 54.1 81.1



#22

Diisopropyl ether

Concen: 53.197 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.01 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

Tgt Ion: 45 Resp: 250058

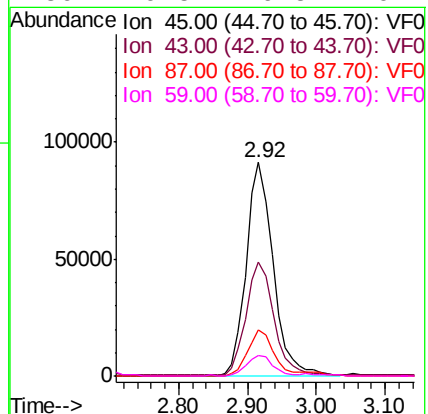
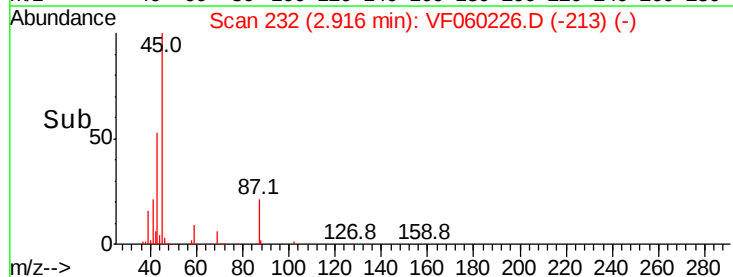
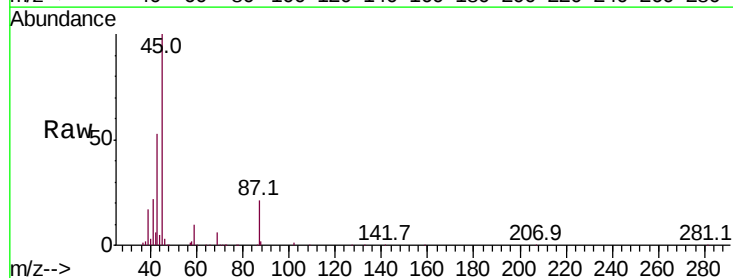
Ion Ratio Lower Upper

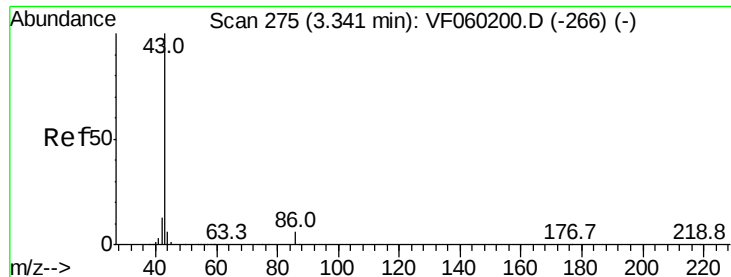
45 100

43 53.2 46.2 69.4

87 21.4 16.1 24.1

59 9.5 6.5 9.7





#23

Vinyl Acetate

Concen: 191.844 ug/l

RT: 3.32 min Scan# 273

Delta R.T. -0.02 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

Instrument :

MSVOA_F

ClientSampleId :

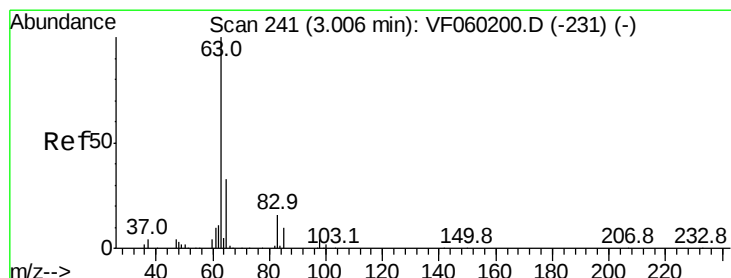
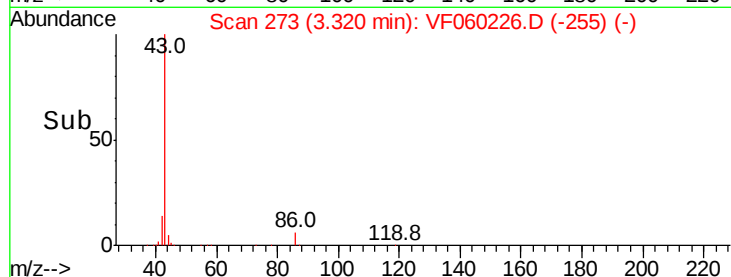
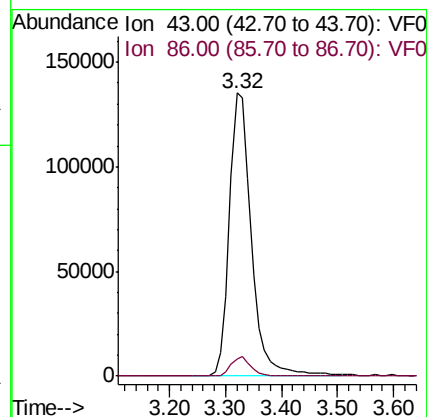
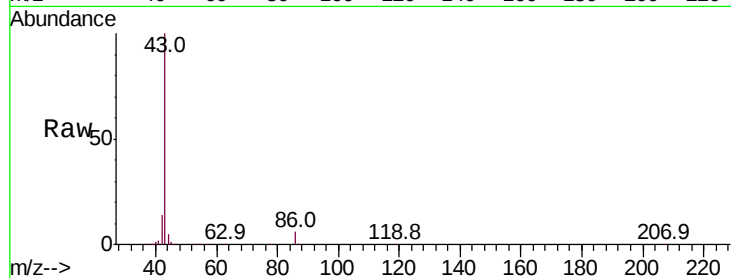
VSTDCCC050

Tot Ion: 43 Resp: 368781

Ion Ratio Lower Upper

43 100

86 6.1 4.8 7.2



#24

1,1-Dichloroethane

Concen: 61.770 ug/l

RT: 3.00 min Scan# 240

Delta R.T. -0.01 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

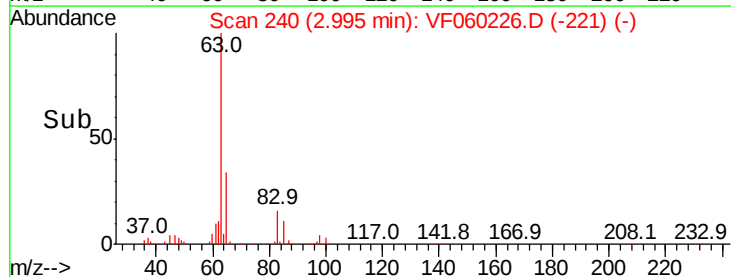
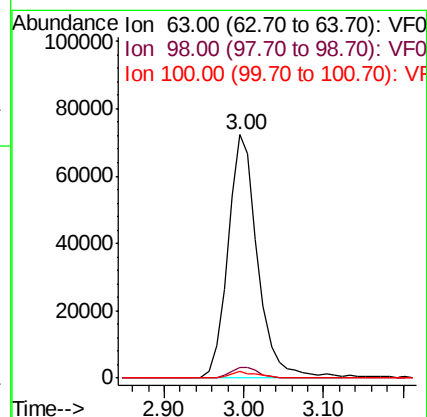
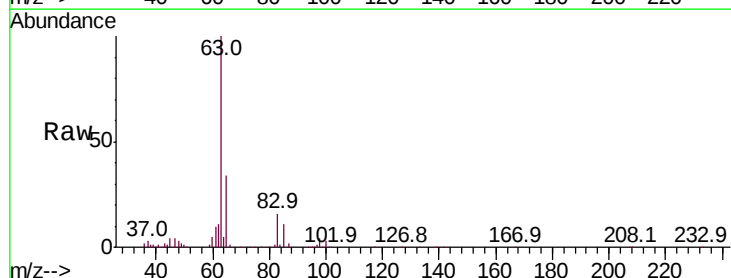
Tgt Ion: 63 Resp: 188857

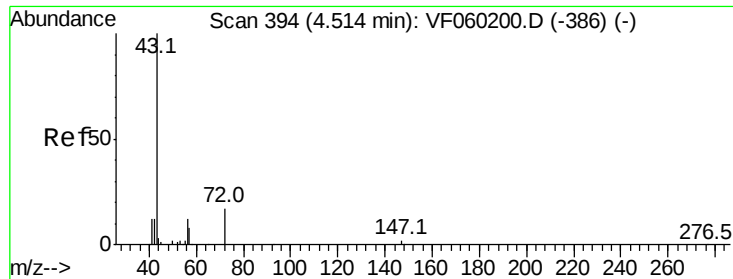
Ion Ratio Lower Upper

63 100

98 4.4 1.9 5.7

100 2.6 1.1 3.1





#25

2-Butanone

Concen: 228.505 ug/l

RT: 4.49 min Scan# 392

Delta R.T. -0.02 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

Instrument :

MSVOA_F

ClientSampleId :

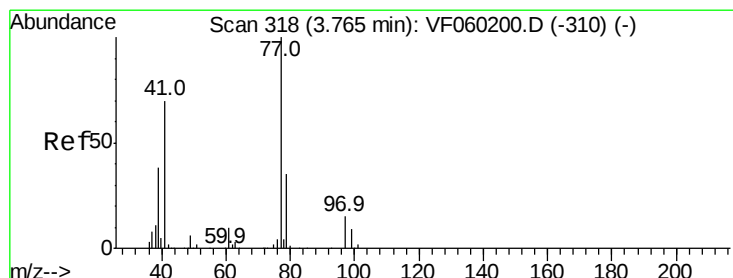
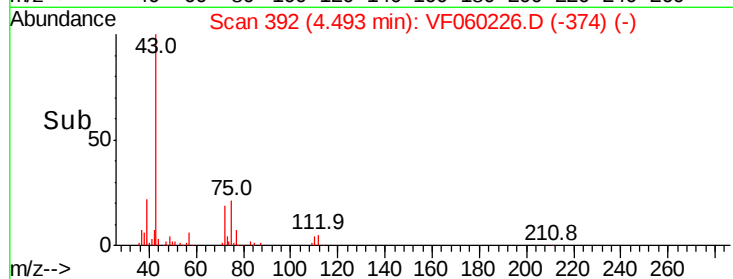
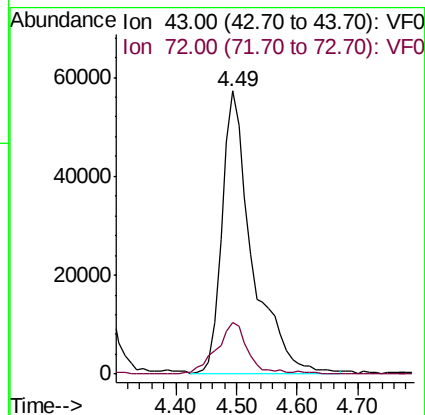
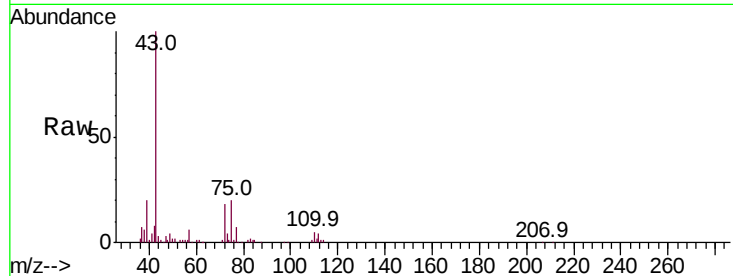
VSTDCCC050

Tot Ion: 43 Resp: 195220

Ion Ratio Lower Upper

43 100

72 18.5 14.8 22.2



#26

2,2-Dichloropropane

Concen: 46.730 ug/l

RT: 3.75 min Scan# 317

Delta R.T. -0.01 min

Lab File: VF060226.D

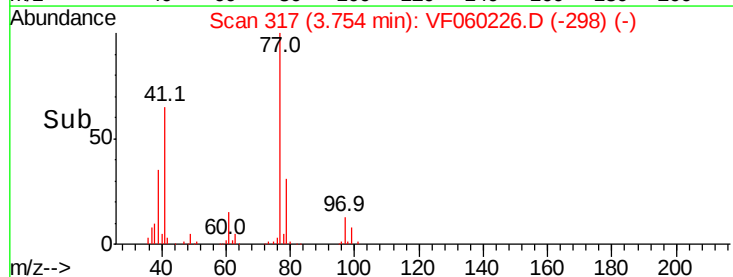
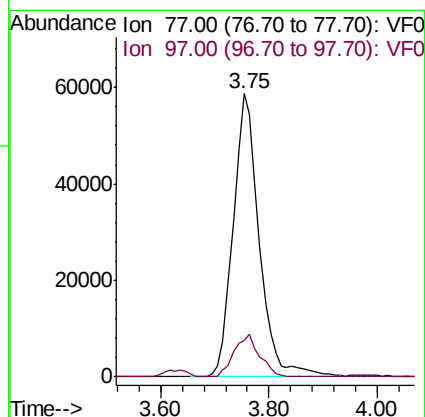
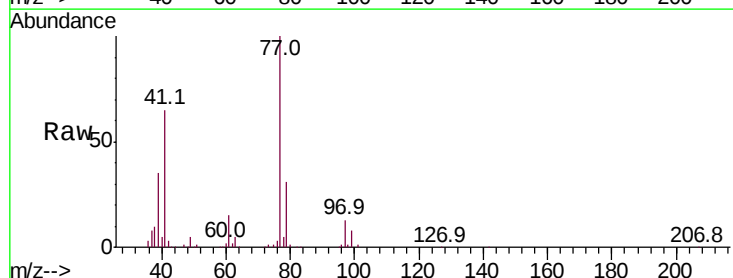
Acq: 10 Sep 2018 10:15

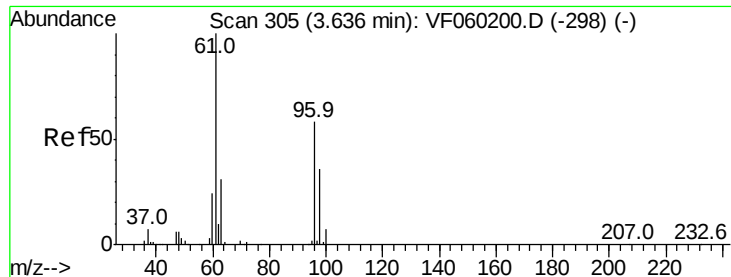
Tgt Ion: 77 Resp: 197757

Ion Ratio Lower Upper

77 100

97 12.7 7.5 22.5



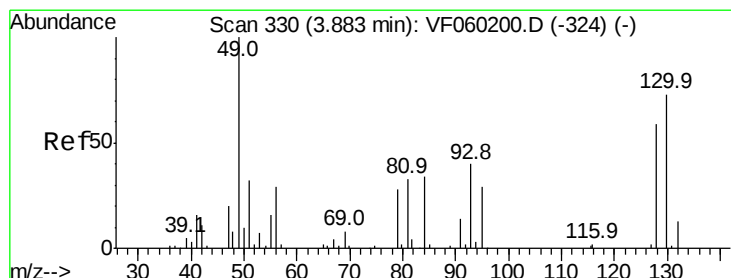
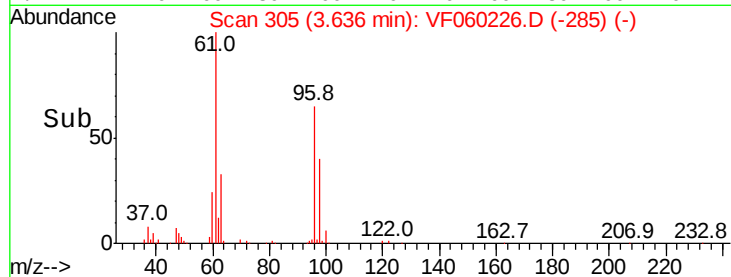
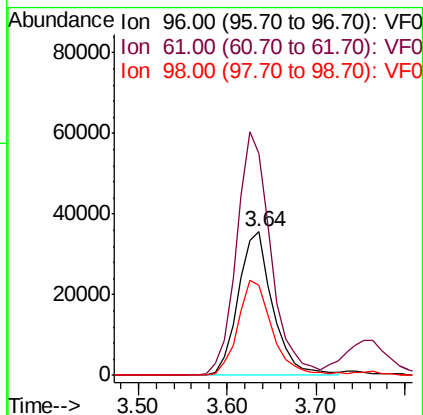
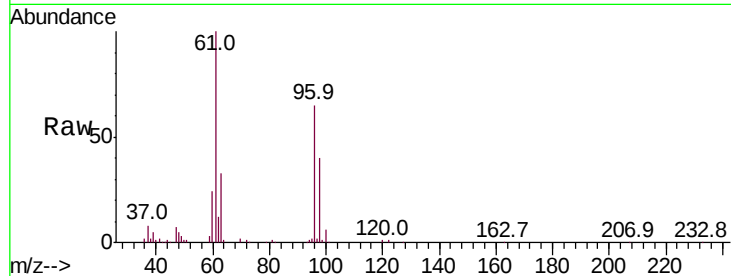


#27

cis-1,2-Dichloroethene
Concen: 57.258 ug/l
RT: 3.64 min Scan# 305
Delta R.T. -0.00 min
Lab File: VF060226.D
Acq: 10 Sep 2018 10:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

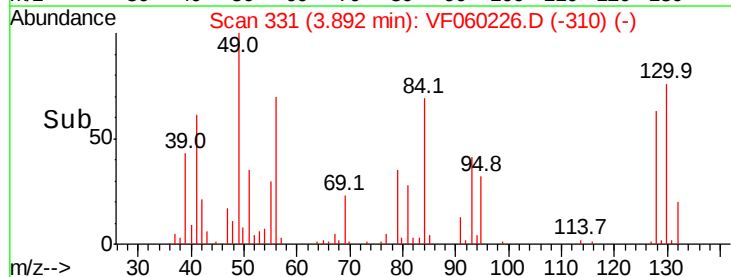
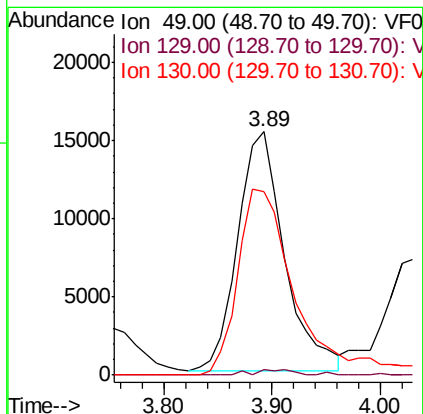
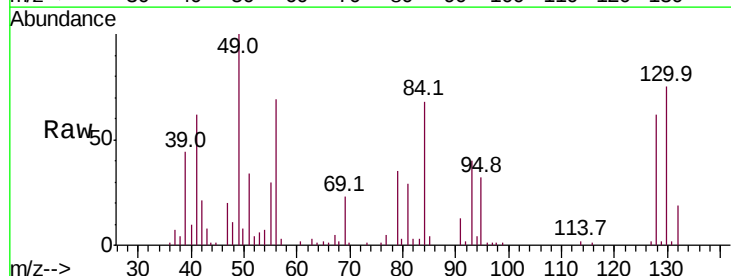
Tot Ion: 96 Resp: 95633
Ion Ratio Lower Upper
96 100
61 154.6 0.0 345.2
98 62.6 0.0 124.6

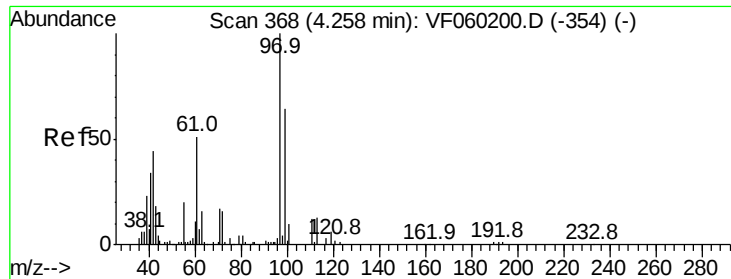


#28

Bromochloromethane
Concen: 44.174 ug/l
RT: 3.89 min Scan# 331
Delta R.T. 0.01 min
Lab File: VF060226.D
Acq: 10 Sep 2018 10:15

Tgt Ion: 49 Resp: 45996
Ion Ratio Lower Upper
49 100
129 2.4 0.0 0.0#
130 75.5 57.8 86.6





#29

Tetrahydrofuran

Concen: 214.696 ug/l

RT: 4.24 min Scan# 366

Delta R.T. -0.02 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

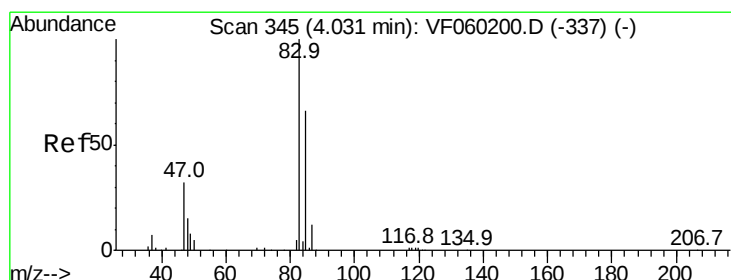
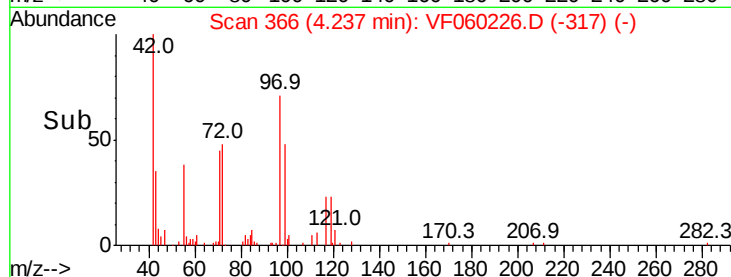
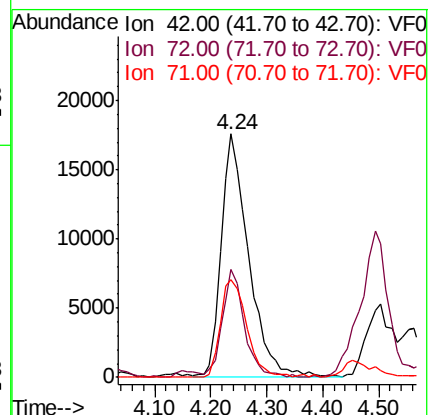
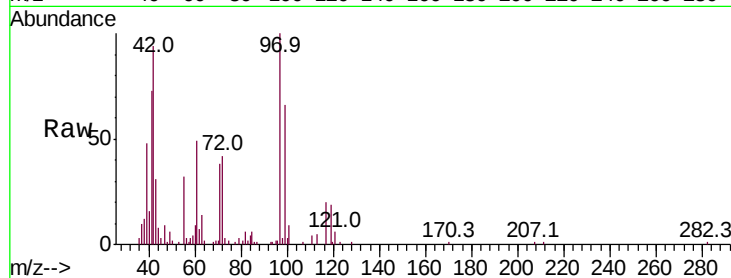
Tot Ion: 42 Resp: 60638

Ion Ratio Lower Upper

42 100

72 35.4 27.4 41.0

71 38.1 28.5 42.7



#30

Chloroform

Concen: 52.372 ug/l

RT: 4.03 min Scan# 345

Delta R.T. -0.00 min

Lab File: VF060226.D

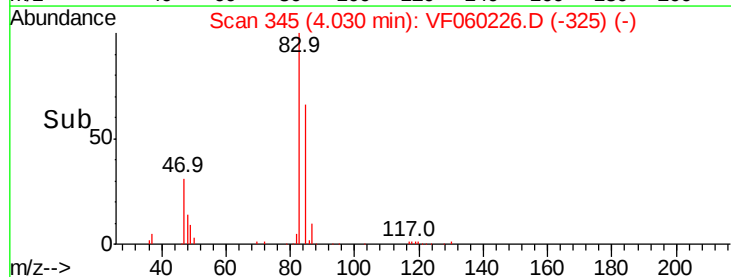
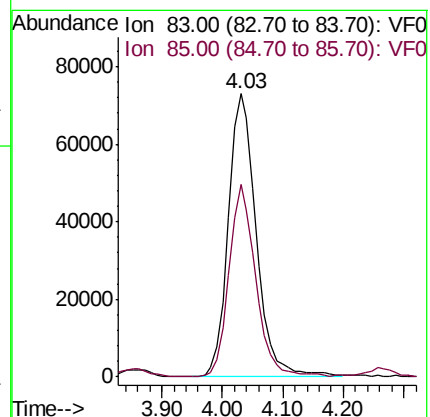
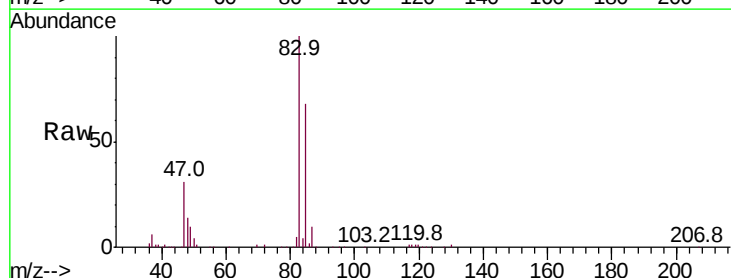
Acq: 10 Sep 2018 10:15

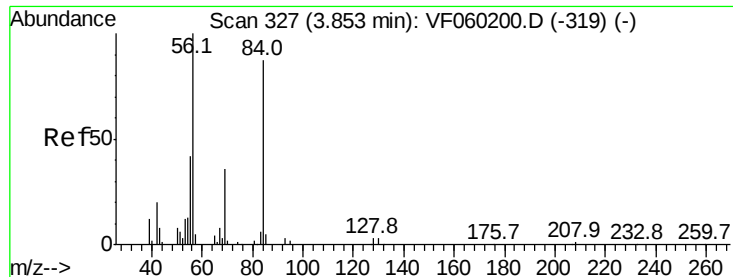
Tgt Ion: 83 Resp: 234578

Ion Ratio Lower Upper

83 100

85 68.2 52.6 79.0

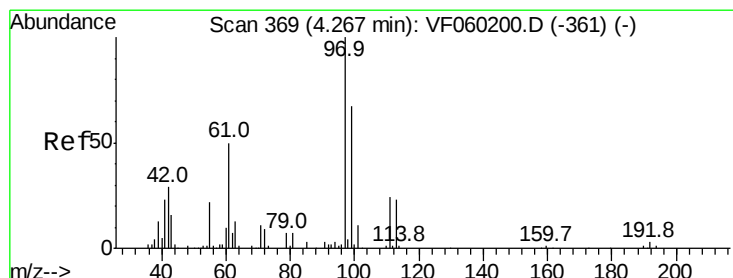
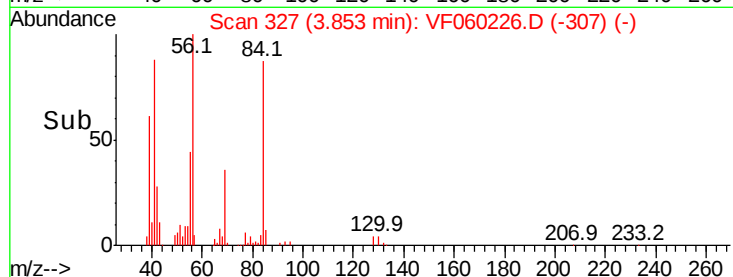
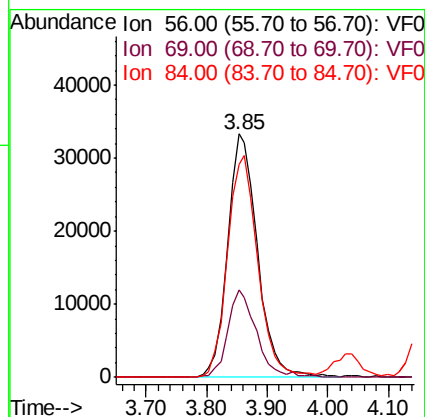
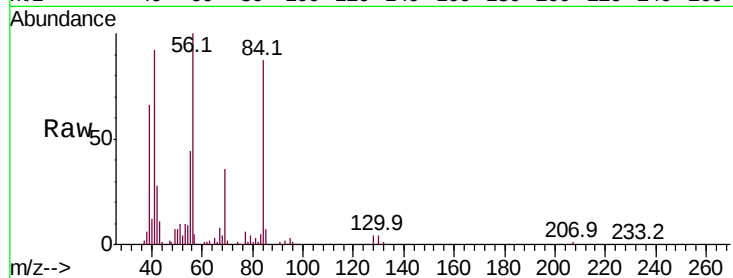




#31
Cyclohexane
Concen: 54.550 ug/l
RT: 3.85 min Scan# 327
Delta R.T. -0.00 min
Lab File: VF060226.D
Acq: 10 Sep 2018 10:15

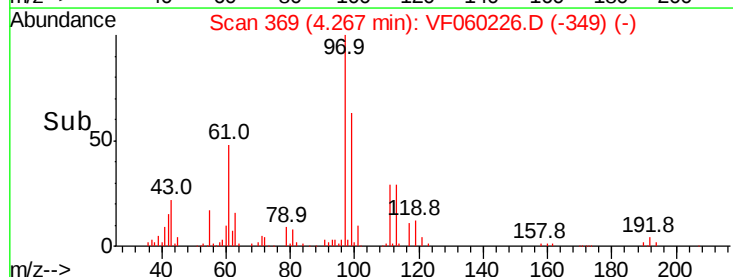
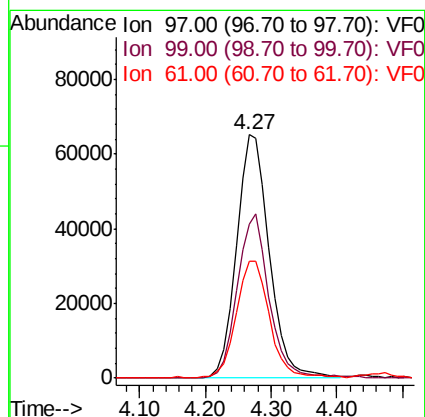
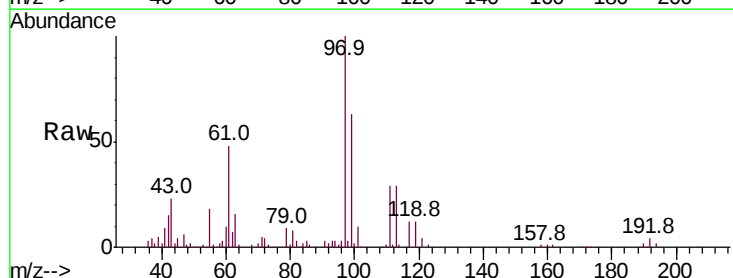
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

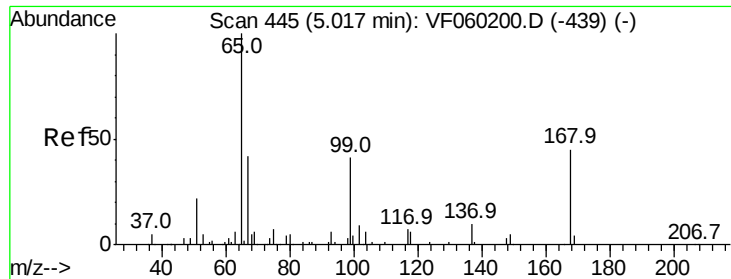
Tot Ion: 56 Resp: 114100
Ion Ratio Lower Upper
56 100
69 35.9 28.7 43.1
84 87.2 69.7 104.5



#32
1,1,1-Trichloroethane
Concen: 51.137 ug/l
RT: 4.27 min Scan# 369
Delta R.T. -0.00 min
Lab File: VF060226.D
Acq: 10 Sep 2018 10:15

Tgt Ion: 97 Resp: 228178
Ion Ratio Lower Upper
97 100
99 63.4 53.5 80.3
61 48.0 40.4 60.6





#33

1,2-Dichloroethane-d4

Concen: 43.671 ug/l

RT: 5.02 min Scan# 445

Delta R.T. -0.00 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

Instrument :

MSVOA_F

ClientSampleId :

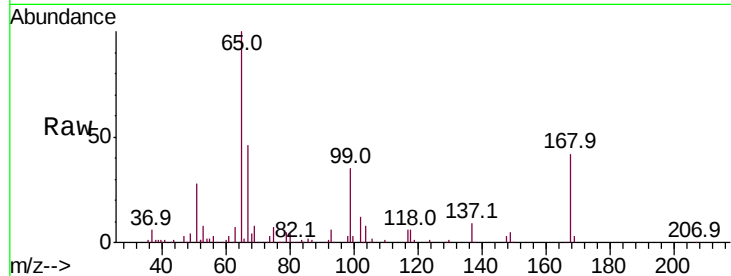
VSTDCCC050

Tot Ion: 65 Resp: 132745

Ion Ratio Lower Upper

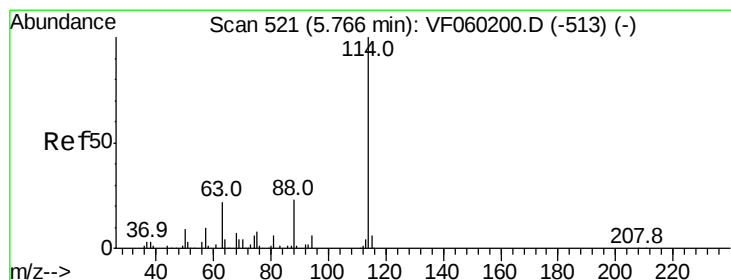
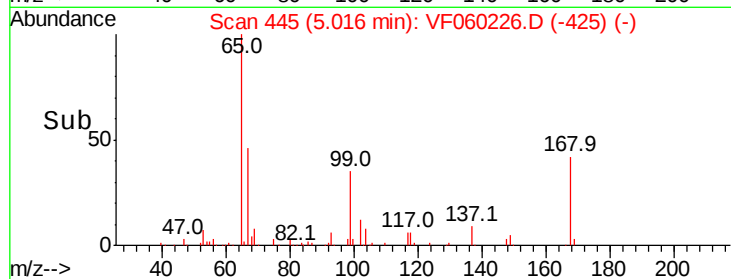
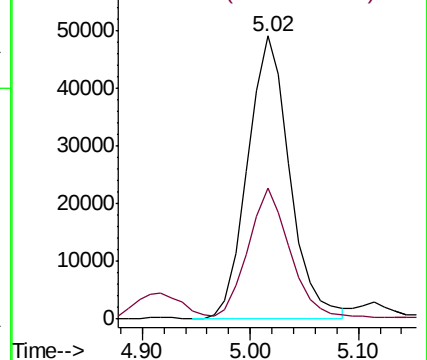
65 100

67 46.3 0.0 87.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 521

Delta R.T. -0.00 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

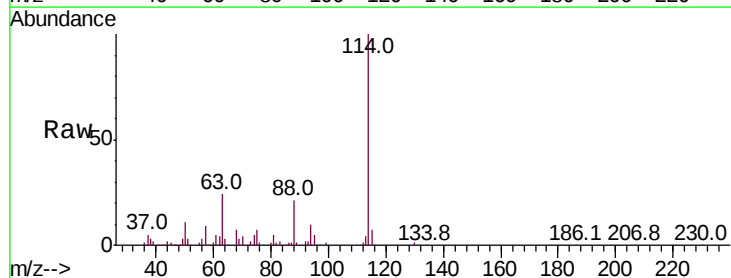
Tgt Ion:114 Resp: 252091

Ion Ratio Lower Upper

114 100

63 24.4 0.0 45.6

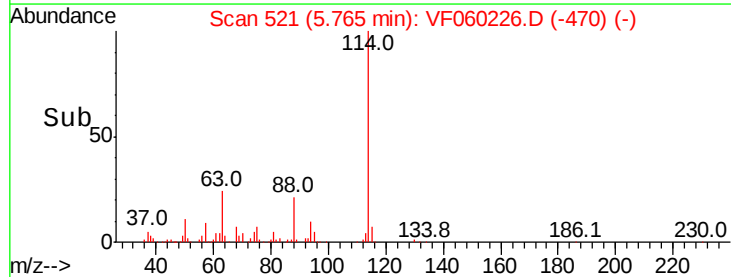
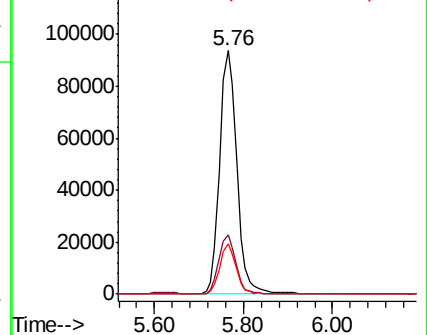
88 20.9 0.0 46.4

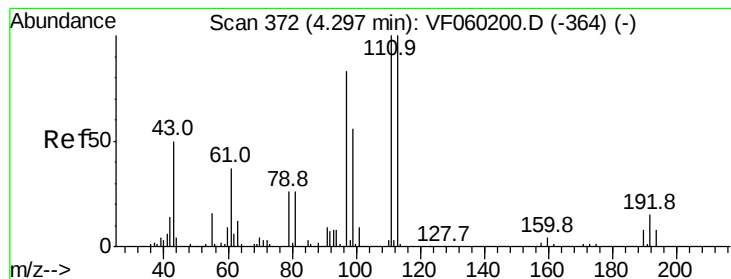


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 48.178 ug/l

RT: 4.29 min Scan# 371

Delta R.T. -0.01 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

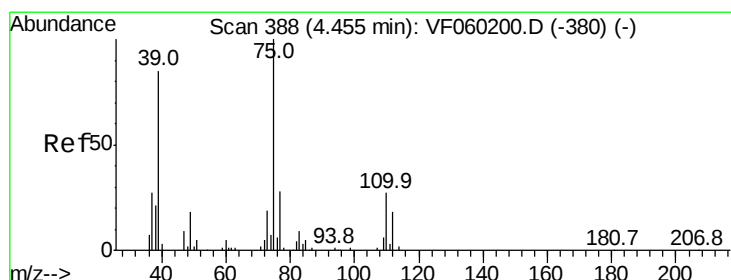
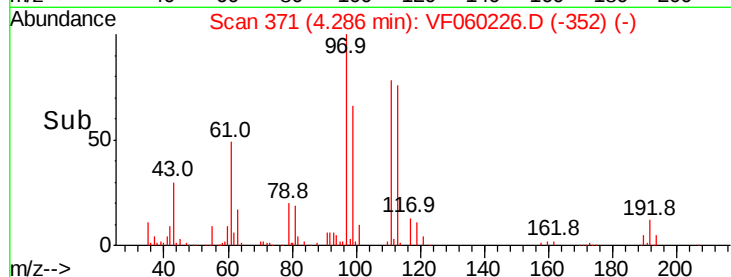
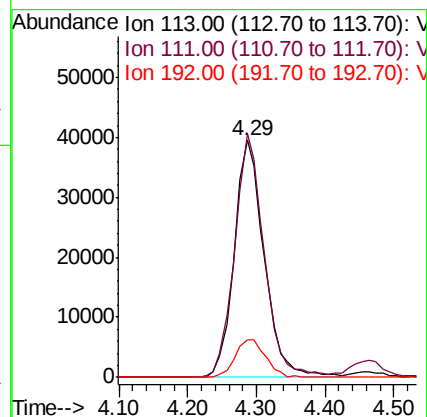
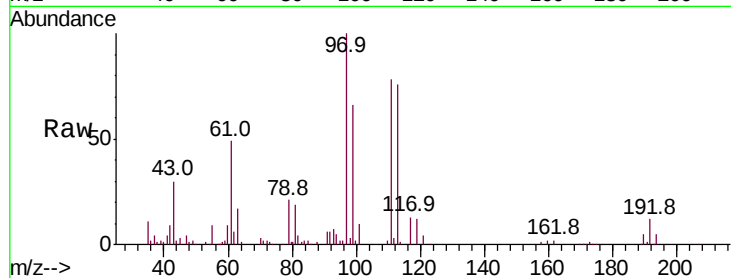
Tot Ion:113 Resp: 118990

Ion Ratio Lower Upper

113 100

111 102.7 80.2 120.2

192 15.7 11.8 17.8



#36

1,1-Dichloropropene

Concen: 52.555 ug/l

RT: 4.45 min Scan# 388

Delta R.T. -0.00 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

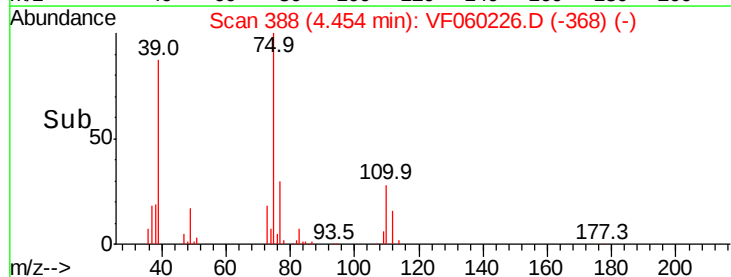
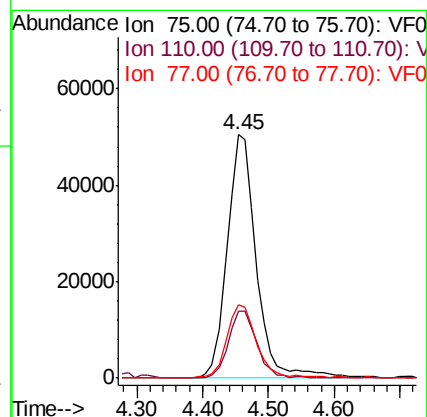
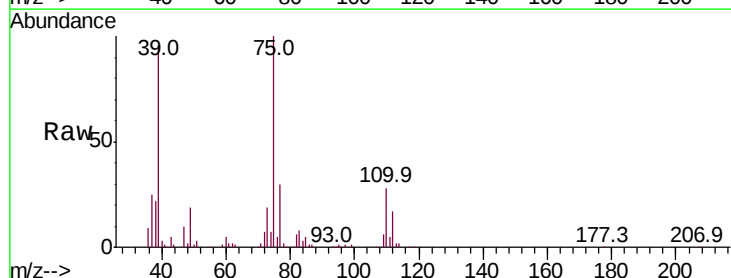
Tgt Ion: 75 Resp: 155934

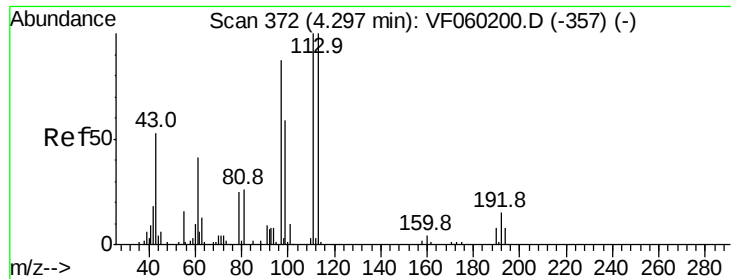
Ion Ratio Lower Upper

75 100

110 27.6 13.6 40.7

77 29.9 22.7 34.1





#37

Ethyl Acetate

Concen: 40.690 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.02 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

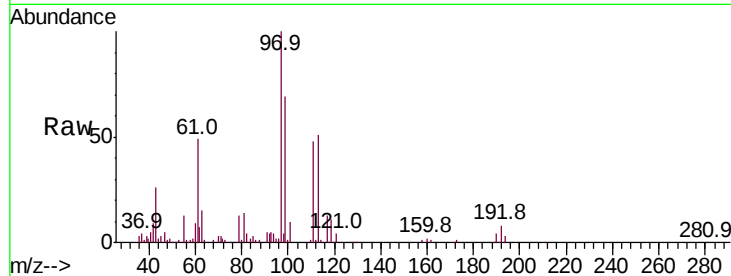
Tot Ion: 43 Resp: 61771

Ion Ratio Lower Upper

43 100

61 189.9 61.6 92.4#

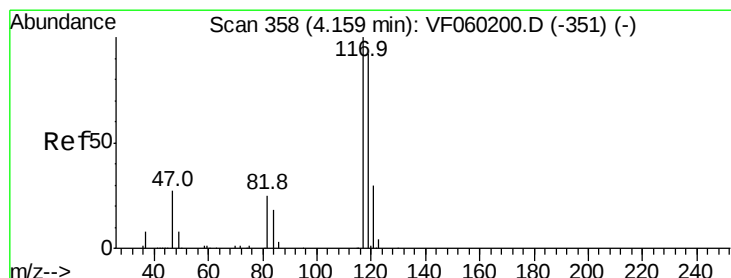
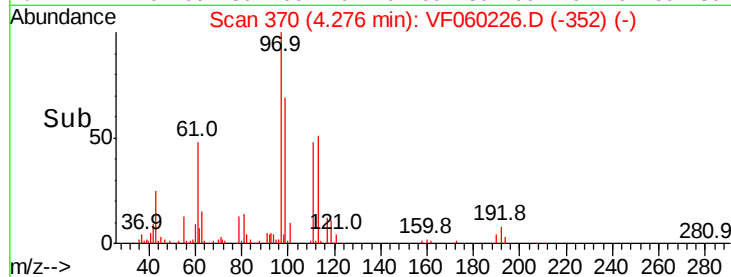
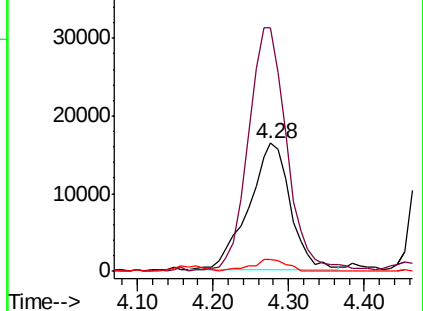
70 9.8 6.9 10.3



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: 50.494 ug/l

RT: 4.17 min Scan# 359

Delta R.T. 0.01 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

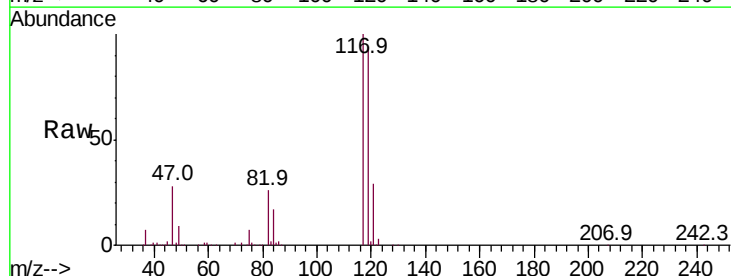
Tgt Ion:117 Resp: 205973

Ion Ratio Lower Upper

117 100

119 94.1 73.0 109.6

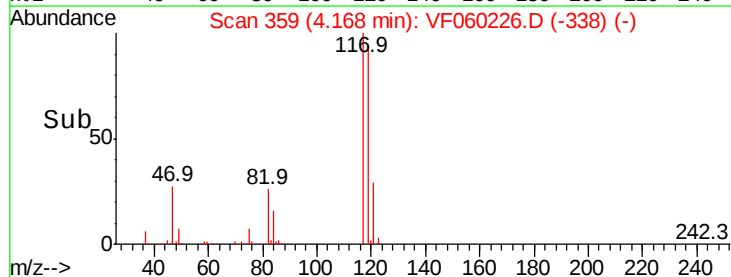
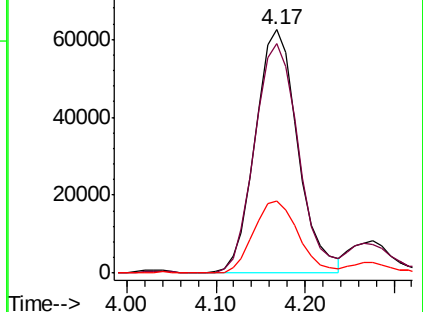
121 29.5 23.9 35.9

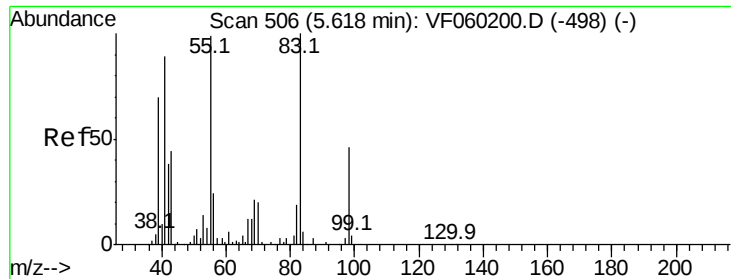


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

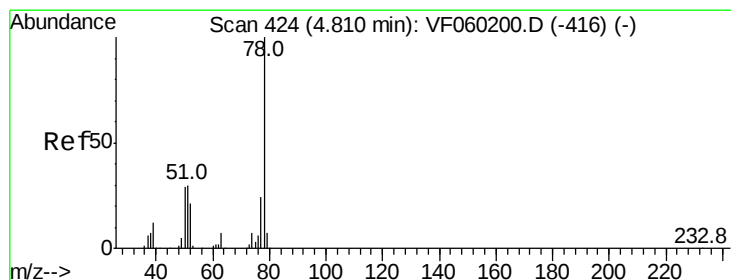
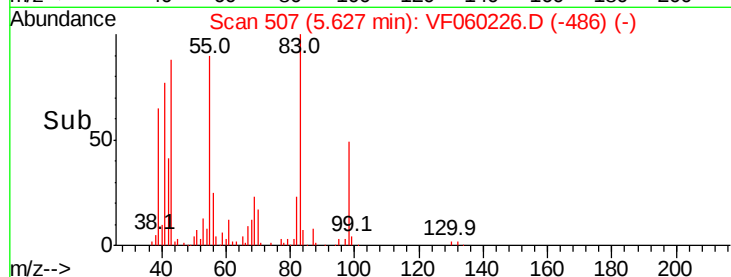
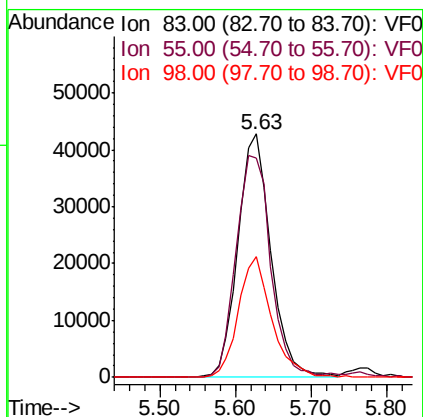
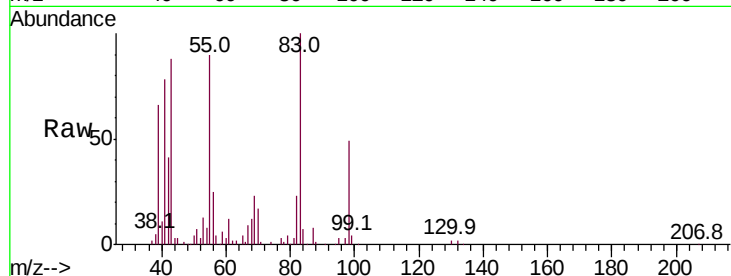




#39
Methvlcvclohexane
Concen: 52.166 ug/l
RT: 5.63 min Scan# 507
Delta R.T. 0.01 min
Lab File: VF060226.D
Acq: 10 Sep 2018 10:15

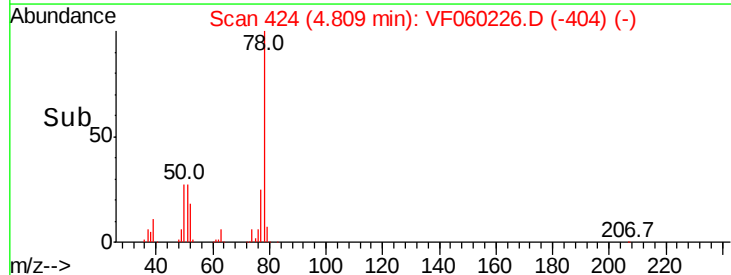
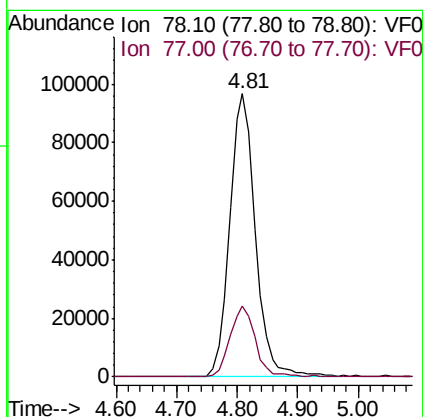
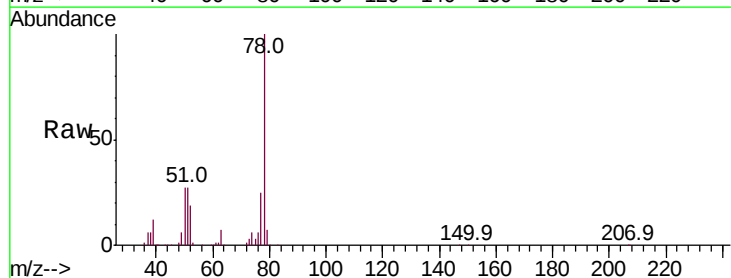
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

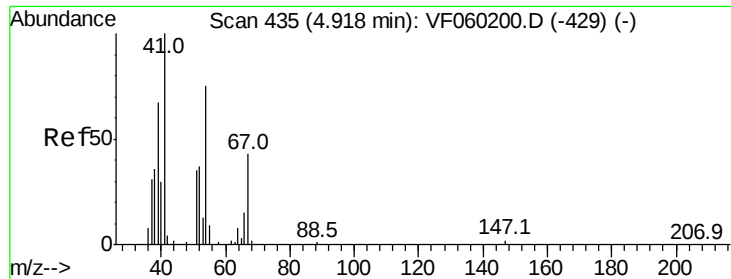
Tot Ion: 83 Resp: 129663
Ion Ratio Lower Upper
83 100
55 90.0 79.0 118.4
98 49.3 36.7 55.1



#40
Benzene
Concen: 53.681 ug/l
RT: 4.81 min Scan# 424
Delta R.T. -0.00 min
Lab File: VF060226.D
Acq: 10 Sep 2018 10:15

Tgt Ion: 78 Resp: 283777
Ion Ratio Lower Upper
78 100
77 25.0 19.0 28.4

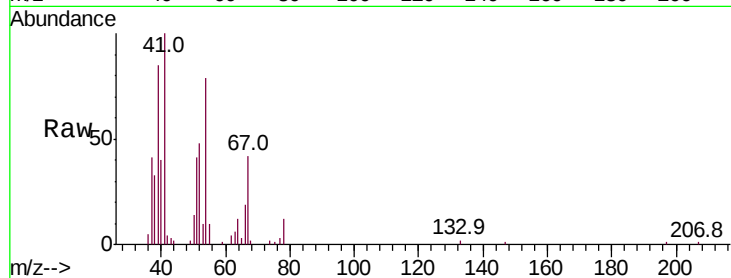




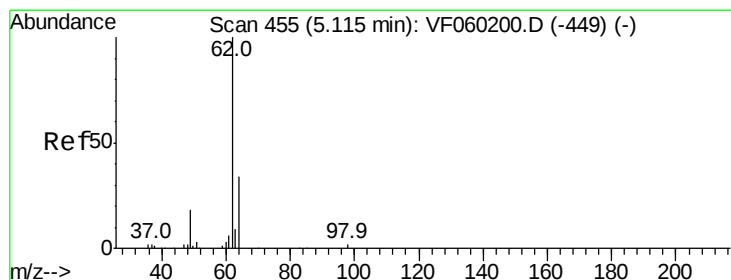
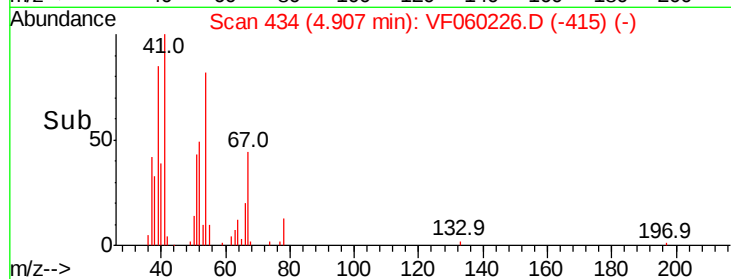
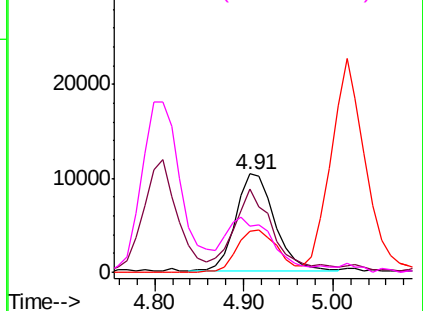
#41
Methacrylonitrile
Concen: 40.066 ug/l
RT: 4.91 min Scan# 434
Delta R.T. -0.01 min
Lab File: VF060226.D
Acq: 10 Sep 2018 10:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 30923
Ion Ratio Lower Upper
41 100
39 85.0 57.4 86.2
67 42.1 34.6 52.0
52 47.6 36.2 54.4

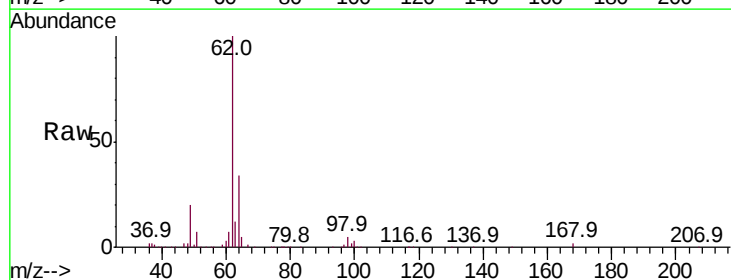


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

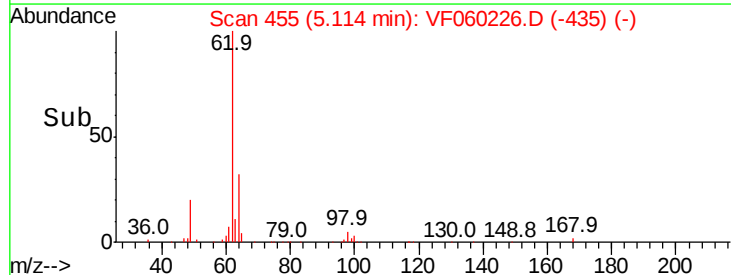
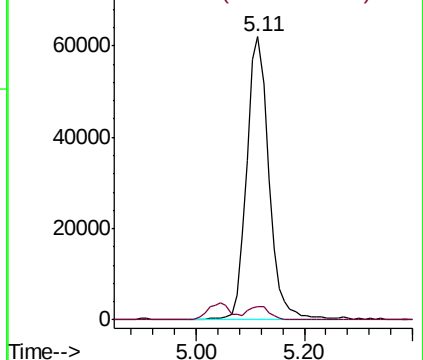


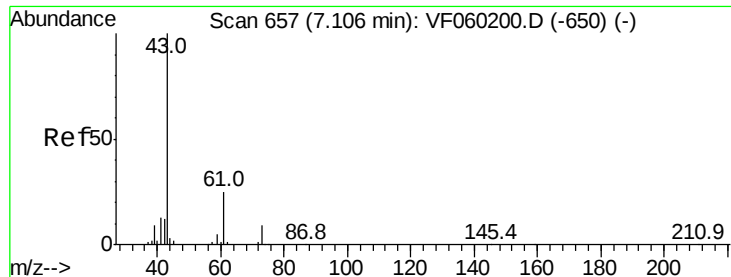
#42
1,2-Dichloroethane
Concen: 46.440 ug/l
RT: 5.11 min Scan# 455
Delta R.T. -0.00 min
Lab File: VF060226.D
Acq: 10 Sep 2018 10:15

Tgt Ion: 62 Resp: 177425
Ion Ratio Lower Upper
62 100
98 4.8 0.0 8.8



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 40.606 ug/l

RT: 7.11 min Scan# 657

Delta R.T. -0.00 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

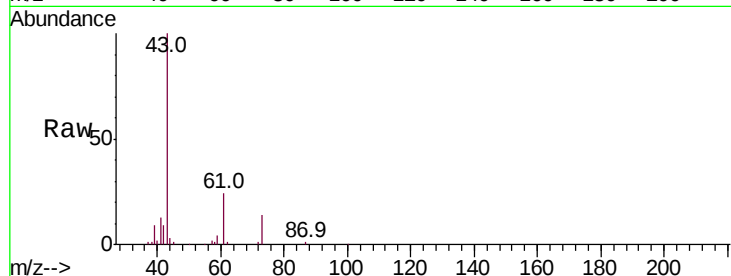
Tot Ion: 43 Resp: 70079

Ion Ratio Lower Upper

43 100

61 24.0 19.9 29.9

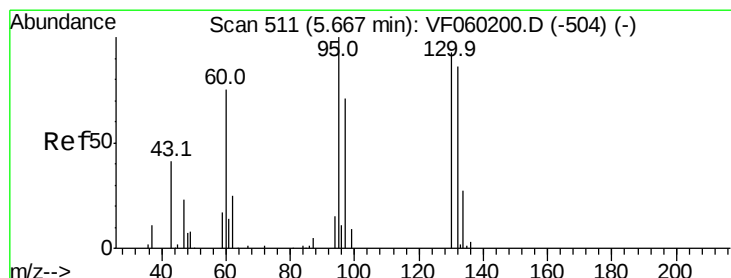
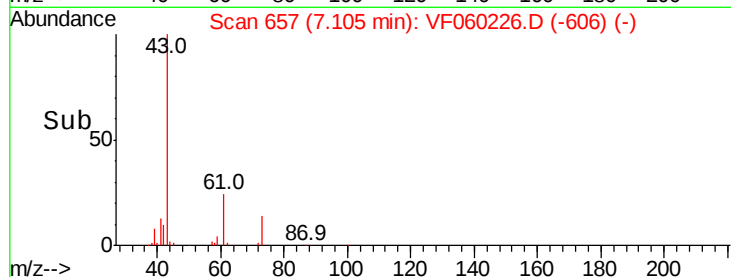
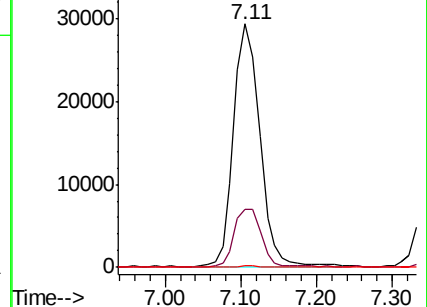
87 0.9 0.4 0.6#



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: 50.120 ug/l

RT: 5.68 min Scan# 512

Delta R.T. 0.01 min

Lab File: VF060226.D

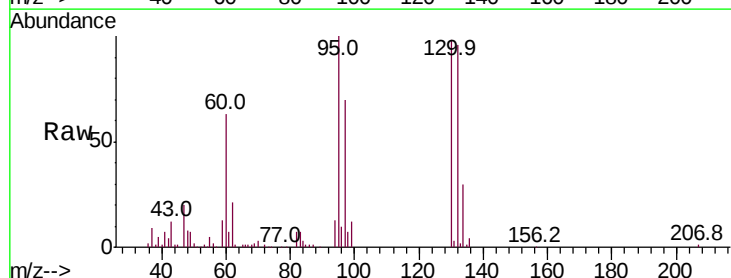
Acq: 10 Sep 2018 10:15

Tgt Ion:130 Resp: 107313

Ion Ratio Lower Upper

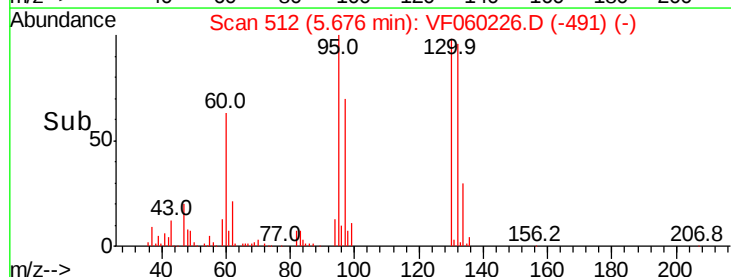
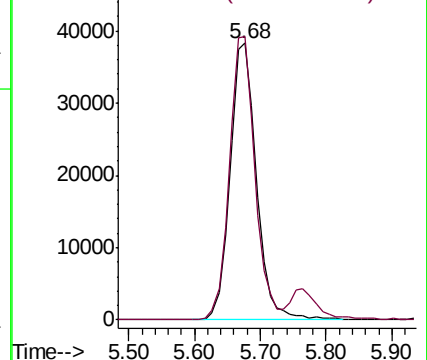
130 100

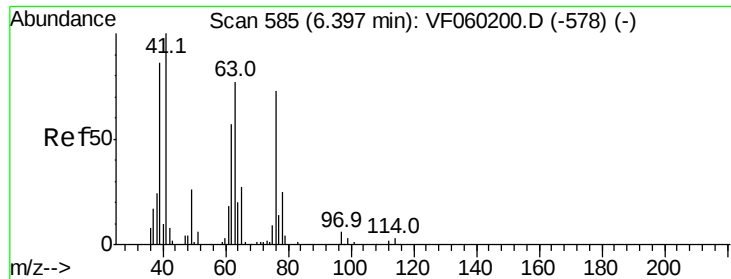
95 102.3 0.0 215.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 50.994 ug/l

RT: 6.40 min Scan# 585

Delta R.T. -0.00 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

Instrument :

MSVOA_F

ClientSampleId :

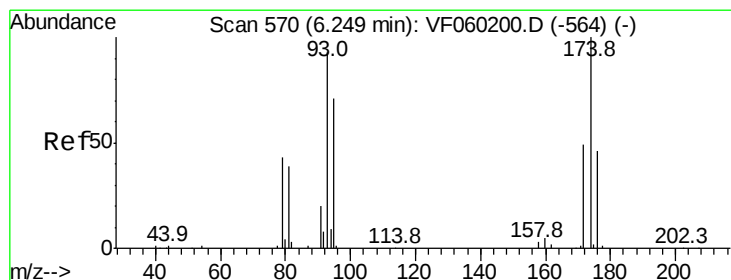
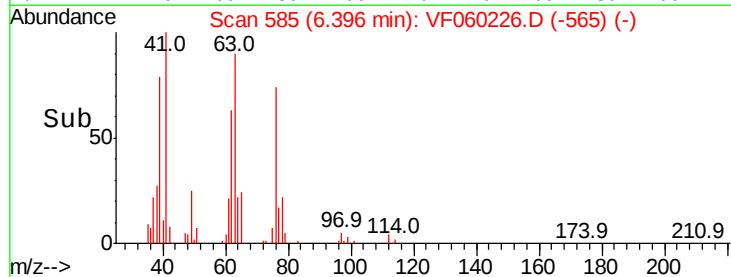
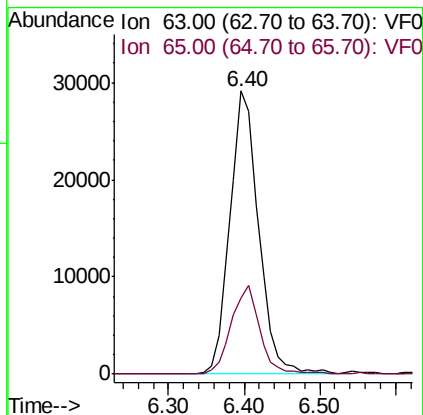
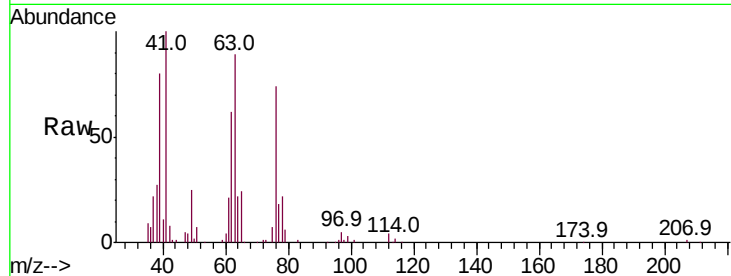
VSTDCCC050

Tot Ion: 63 Resp: 76619

Ion Ratio Lower Upper

63 100

65 26.9 27.9 41.9#



#46

Dibromomethane

Concen: 49.953 ug/l

RT: 6.25 min Scan# 570

Delta R.T. -0.00 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

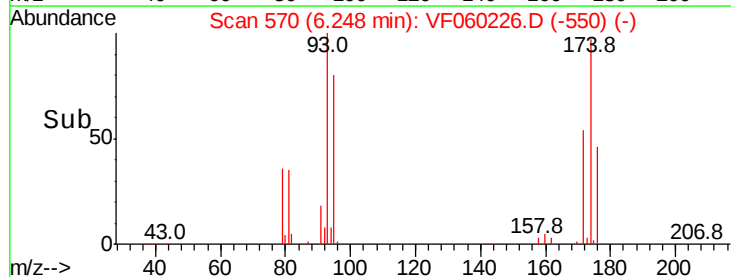
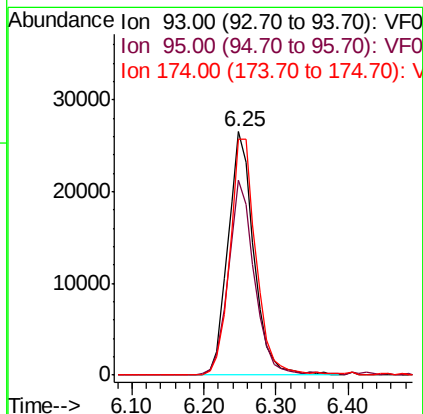
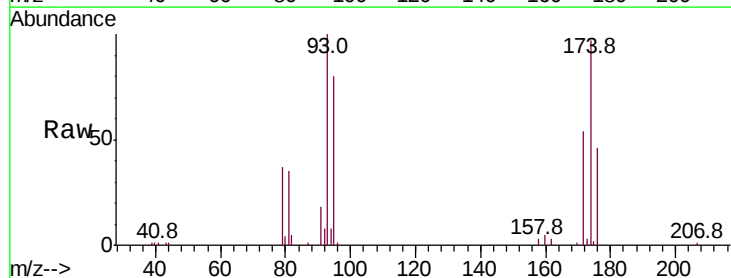
Tgt Ion: 93 Resp: 66087

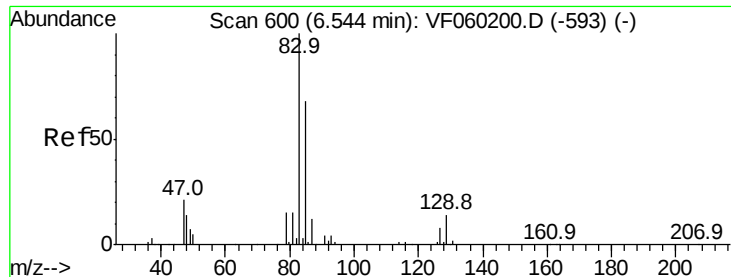
Ion Ratio Lower Upper

93 100

95 80.0 61.4 92.2

174 96.9 85.9 128.9





#47

Bromodichloromethane

Concen: 48.652 ug/l

RT: 6.54 min Scan# 600

Delta R.T. -0.00 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

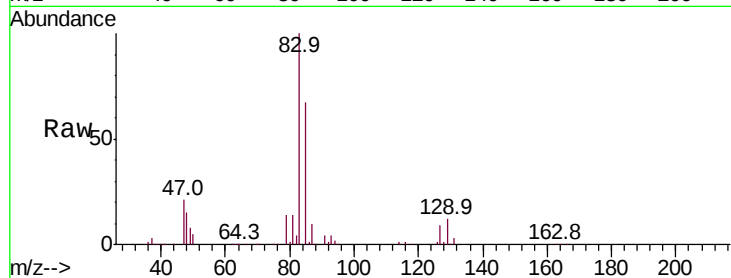
Tot Ion: 83 Resp: 174703

Ion Ratio Lower Upper

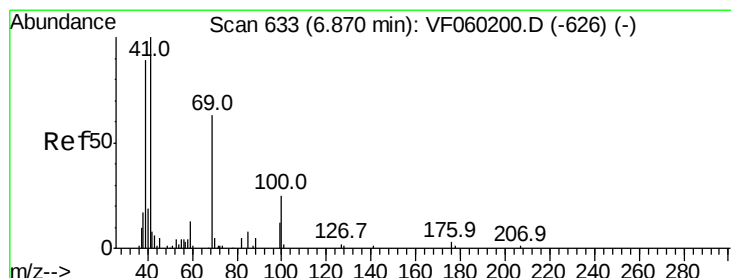
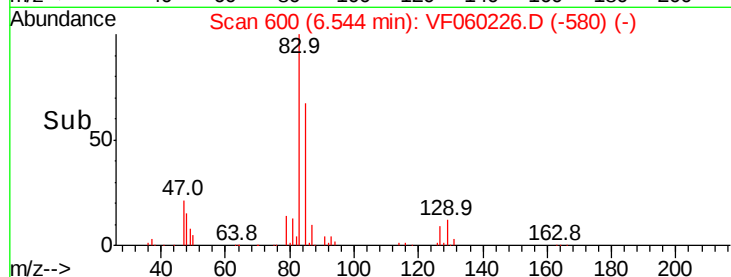
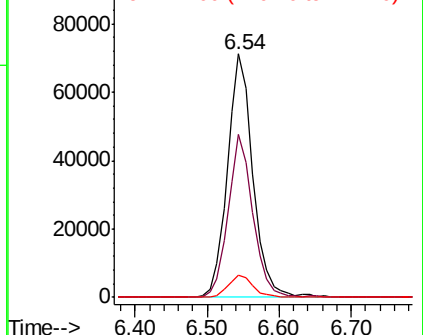
83 100

85 67.0 54.0 81.0

127 9.3 6.6 9.8



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): VF0



#48

Methyl methacrylate

Concen: 40.970 ug/l

RT: 6.87 min Scan# 633

Delta R.T. -0.00 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

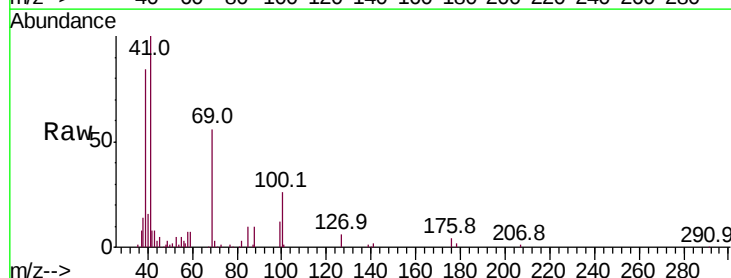
Tgt Ion: 41 Resp: 56167

Ion Ratio Lower Upper

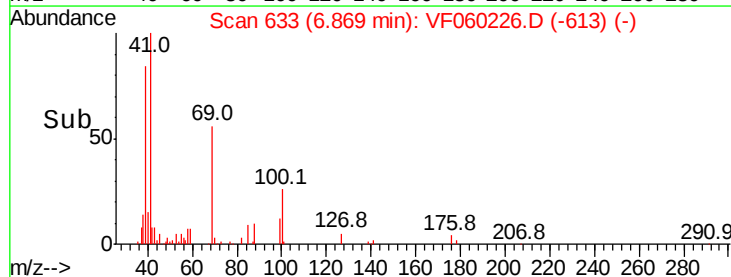
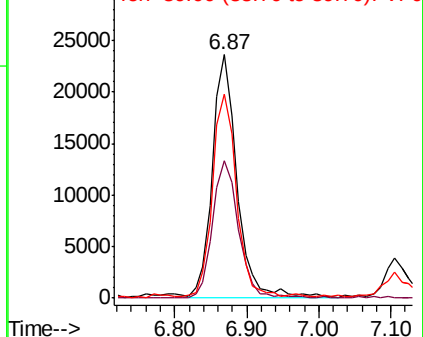
41 100

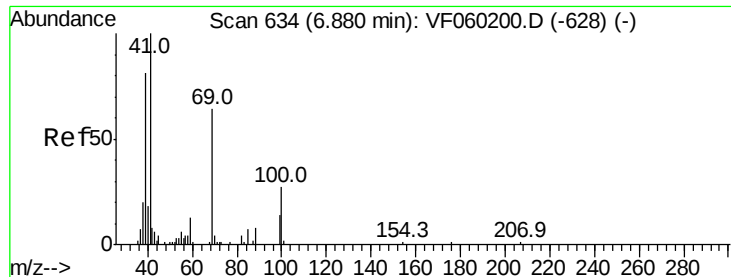
69 56.4 50.4 75.6

39 83.7 70.6 106.0



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: 369.337 ug/l

RT: 6.87 min Scan# 633

Delta R.T. -0.01 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

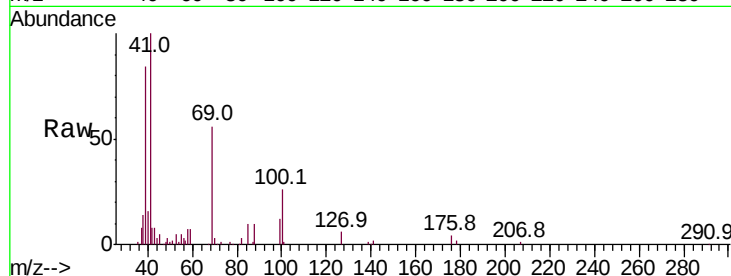
Tot Ion: 88 Resp: 7440

Ion Ratio Lower Upper

88 100

43 76.6 68.1 102.1

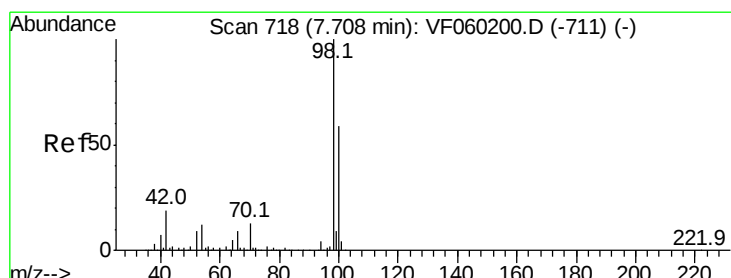
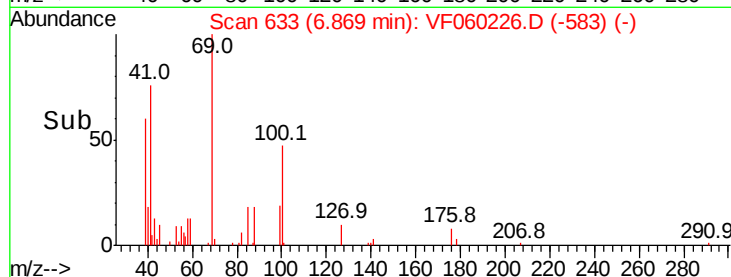
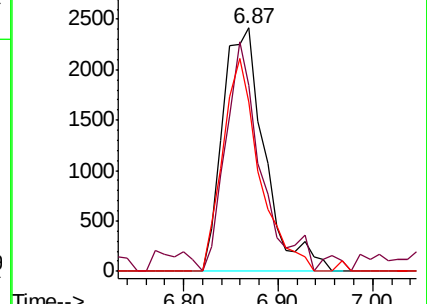
58 69.4 38.1 57.1#



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: 48.599 ug/l

RT: 7.71 min Scan# 718

Delta R.T. -0.00 min

Lab File: VF060226.D

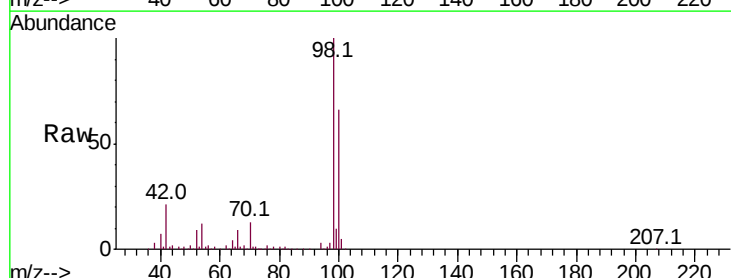
Acq: 10 Sep 2018 10:15

Tgt Ion: 98 Resp: 299526

Ion Ratio Lower Upper

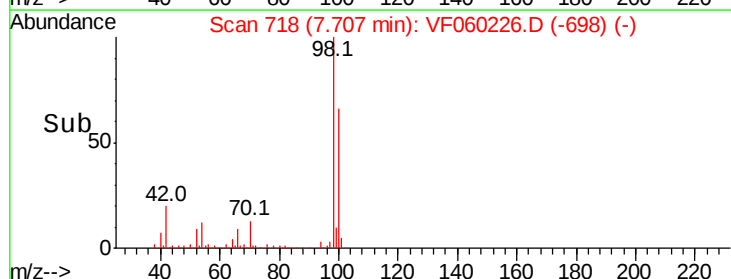
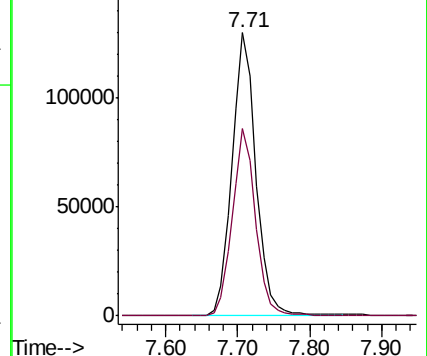
98 100

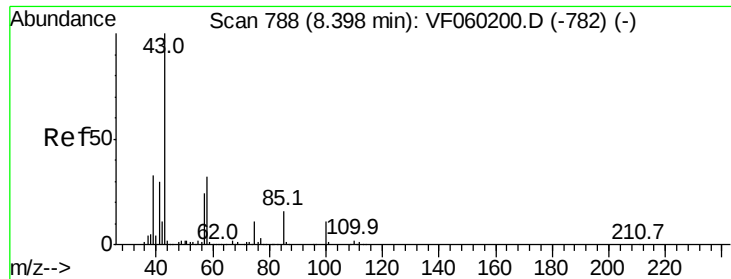
100 66.3 47.4 71.0



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: 200.633 ug/l

RT: 8.40 min Scan# 788

Delta R.T. -0.00 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

Instrument :

MSVOA_F

ClientSampleId :

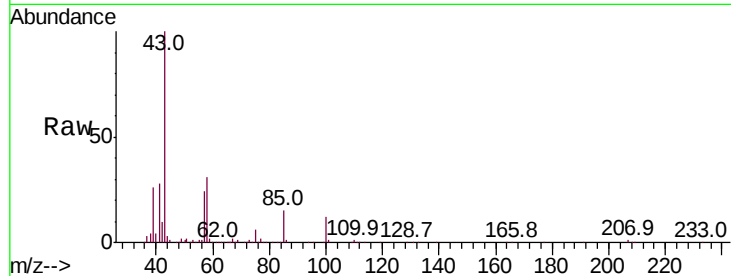
VSTDCCC050

Tot Ion: 43 Resp: 307643

Ion Ratio Lower Upper

43 100

58 31.3 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.40

150000

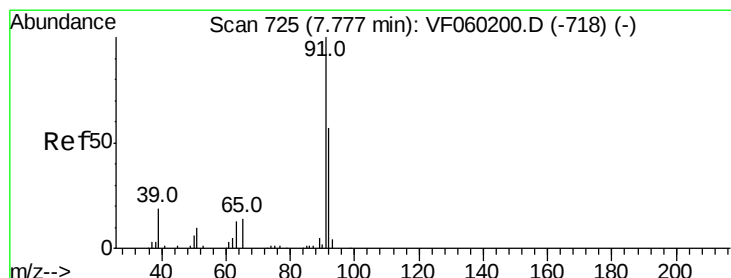
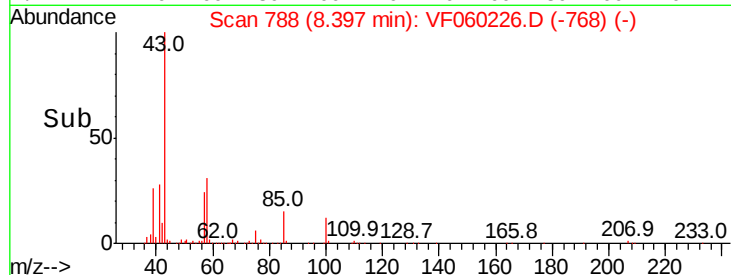
100000

50000

0

Time-->

8.30 8.40 8.50



#52

Toluene

Concen: 50.421 ug/l

RT: 7.78 min Scan# 725

Delta R.T. -0.00 min

Lab File: VF060226.D

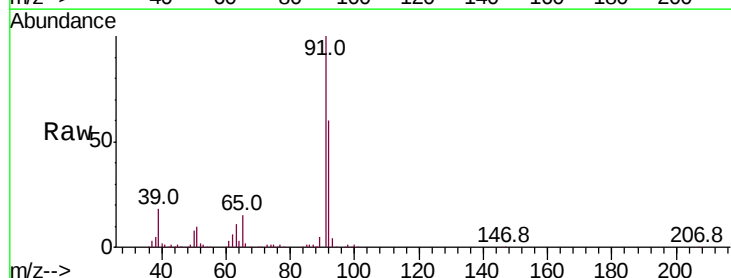
Acq: 10 Sep 2018 10:15

Tgt Ion: 92 Resp: 206423

Ion Ratio Lower Upper

92 100

91 166.1 140.0 210.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

150000

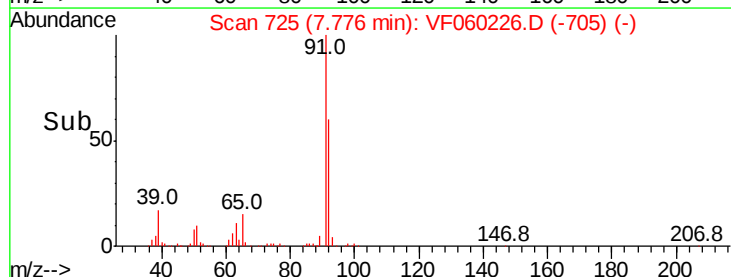
100000

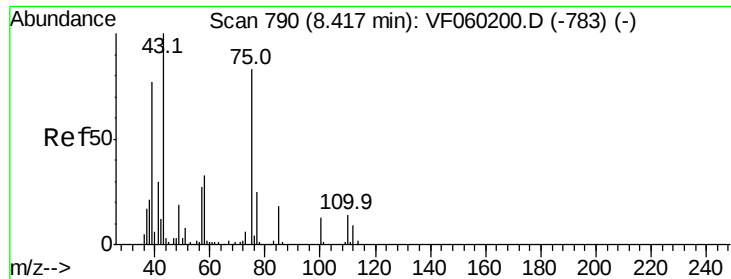
50000

0

Time-->

7.60 7.70 7.80 7.90





#53

t-1,3-Dichloropropene

Concen: 48.104 ug/l

RT: 8.43 min Scan# 791

Delta R.T. 0.01 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

Instrument :

MSVOA_F

ClientSampleId :

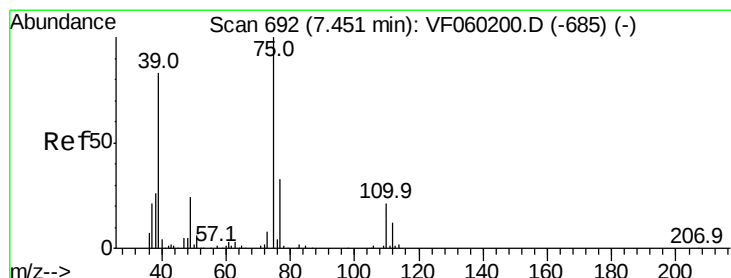
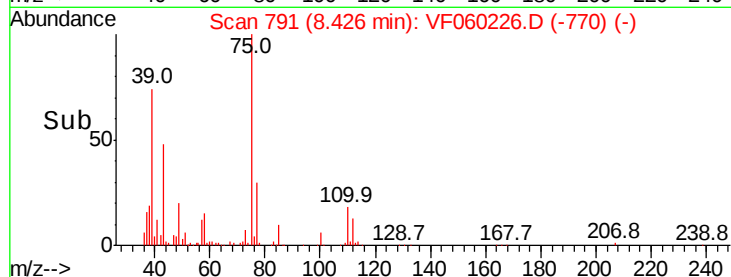
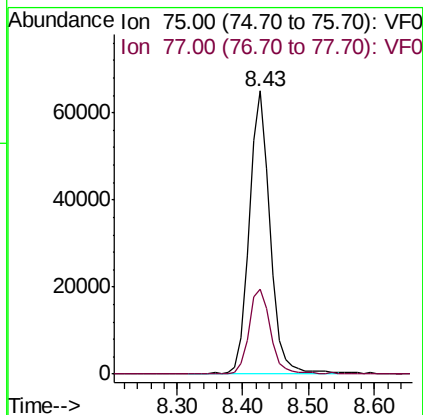
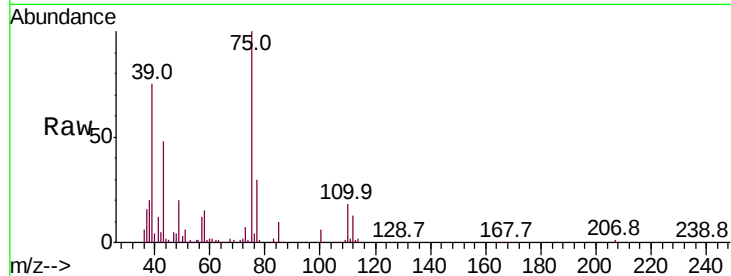
VSTDCCC050

Tot Ion: 75 Resp: 145145

Ion Ratio Lower Upper

75 100

77 30.2 24.3 36.5



#54

cis-1,3-Dichloropropene

Concen: 50.063 ug/l

RT: 7.45 min Scan# 692

Delta R.T. -0.00 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

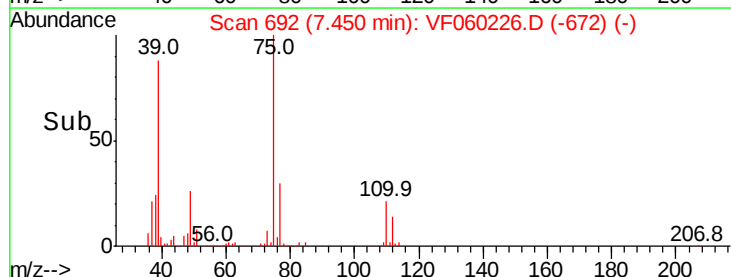
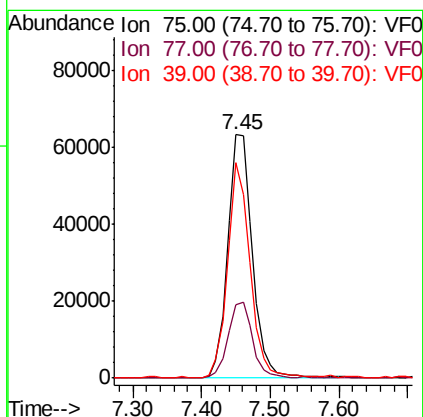
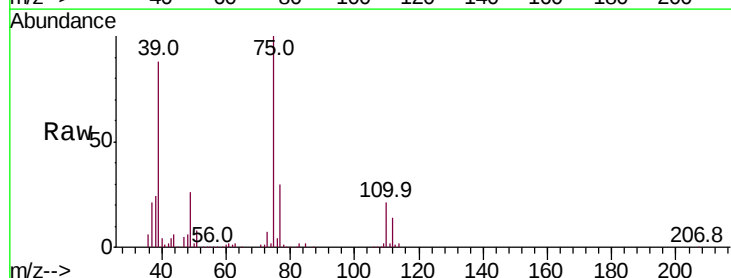
Tgt Ion: 75 Resp: 156810

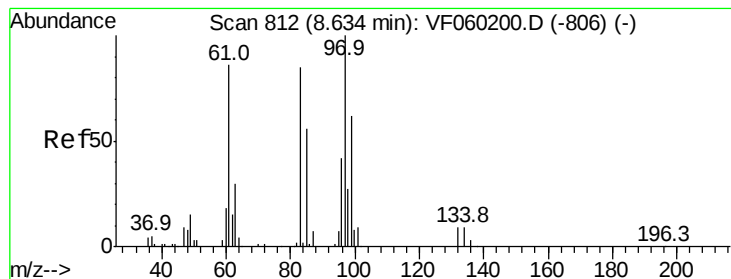
Ion Ratio Lower Upper

75 100

77 30.4 26.6 39.8

39 88.4 66.6 100.0





#55

1,1,2-Trichloroethane

Concen: 45.853 ug/l

RT: 8.63 min Scan# 812

Delta R.T. -0.00 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 69045

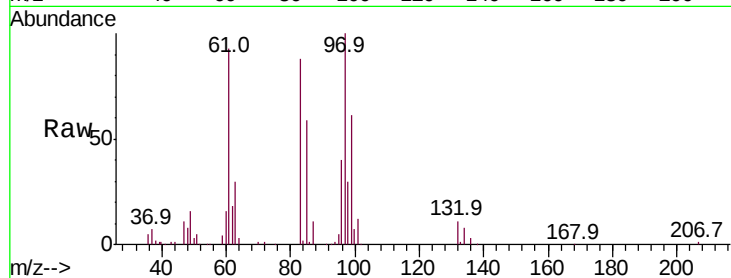
Ion Ratio Lower Upper

97 100

83 87.6 68.1 102.1

85 58.7 44.6 66.8

99 60.9 49.8 74.8

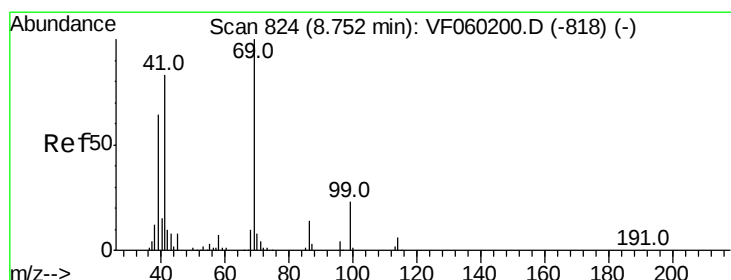
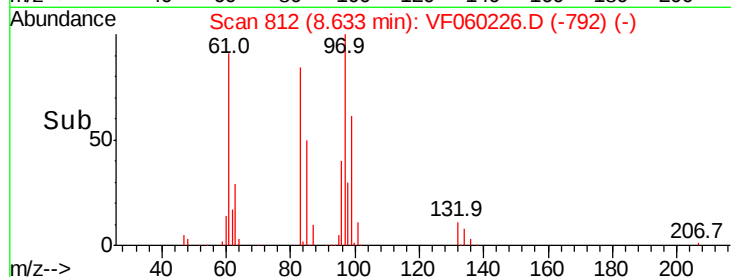
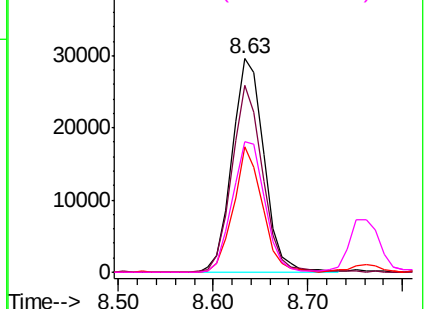


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 44.720 ug/l

RT: 8.76 min Scan# 825

Delta R.T. 0.01 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

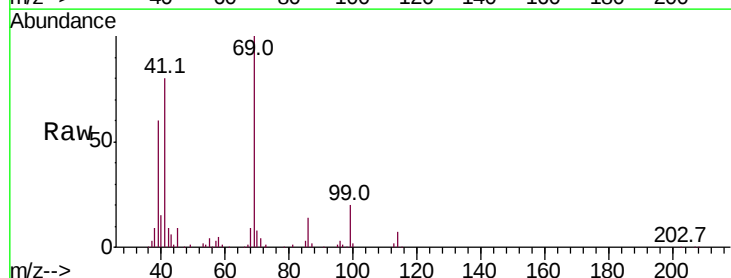
Tgt Ion: 69 Resp: 76981

Ion Ratio Lower Upper

69 100

41 79.6 66.6 100.0

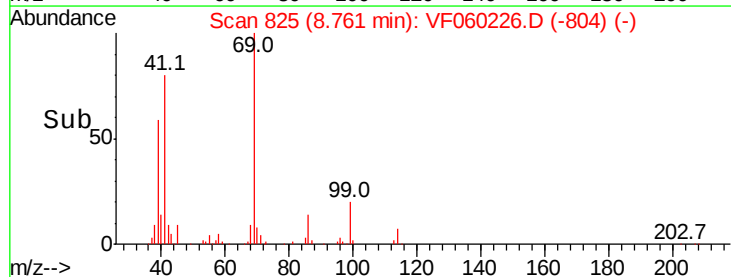
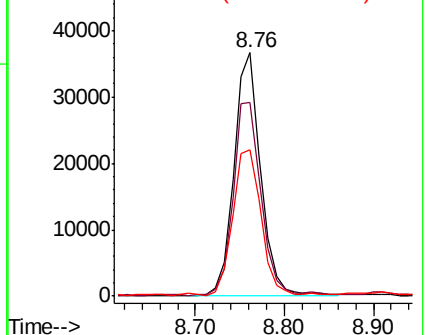
39 60.4 51.5 77.3

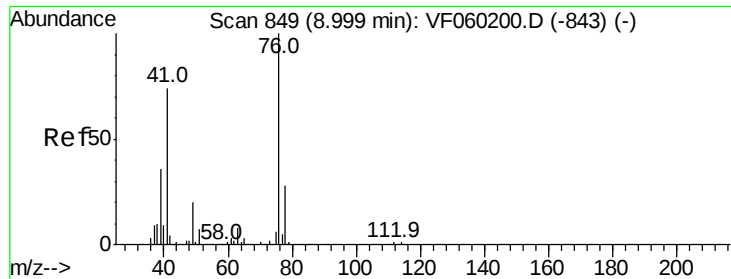


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 46.329 ug/l

RT: 9.00 min Scan# 849

Delta R.T. -0.00 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

Instrument :

MSVOA_F

ClientSampleId :

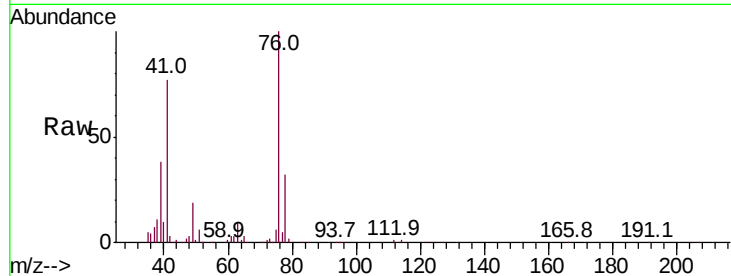
VSTDCCC050

Tot Ion: 76 Resp: 124033

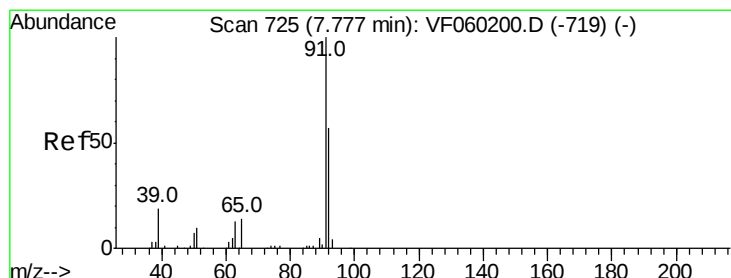
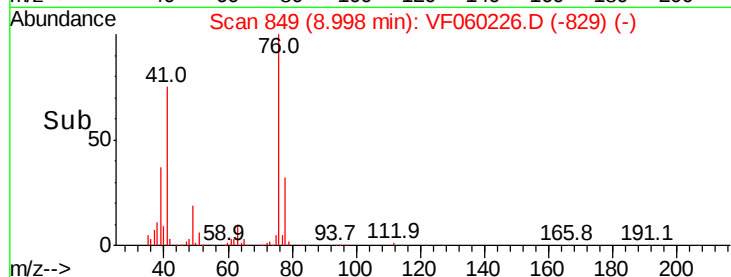
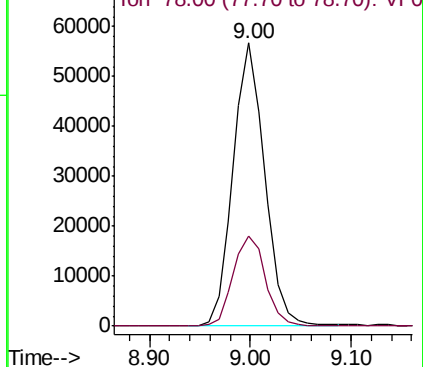
Ion Ratio Lower Upper

76 100

78 31.9 22.8 34.2



Abundance Ion 76.00 (75.70 to 76.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 238.397 ug/l

RT: 7.78 min Scan# 725

Delta R.T. -0.00 min

Lab File: VF060226.D

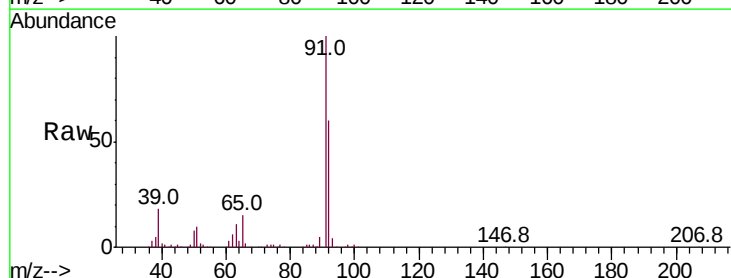
Acq: 10 Sep 2018 10:15

Tgt Ion: 63 Resp: 44132

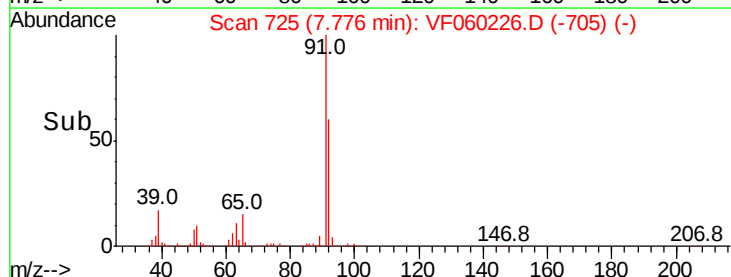
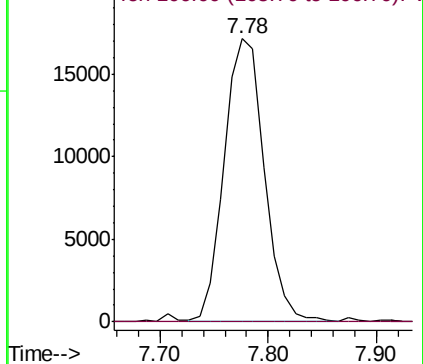
Ion Ratio Lower Upper

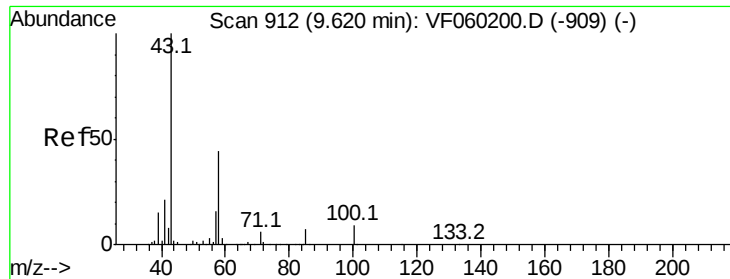
63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

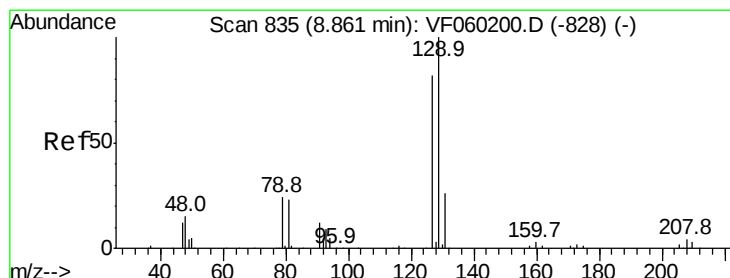
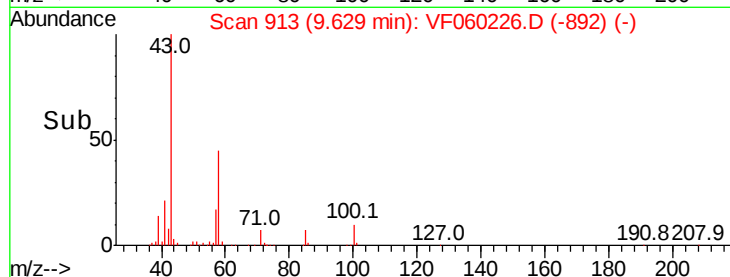
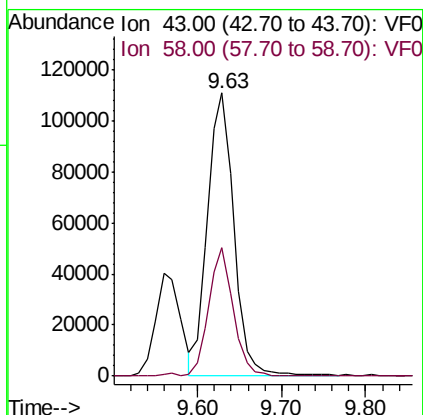
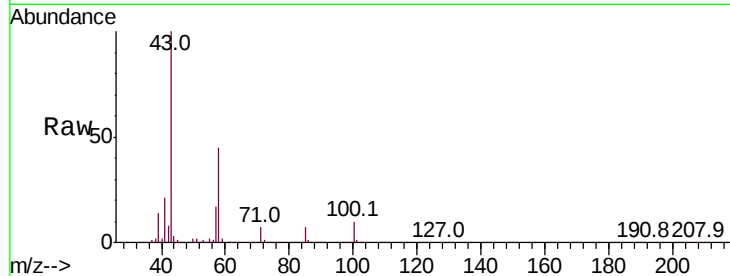




#59
2-Hexanone
Concen: 208.602 ug/l
RT: 9.63 min Scan# 913
Delta R.T. 0.01 min
Lab File: VF060226.D
Acq: 10 Sep 2018 10:15

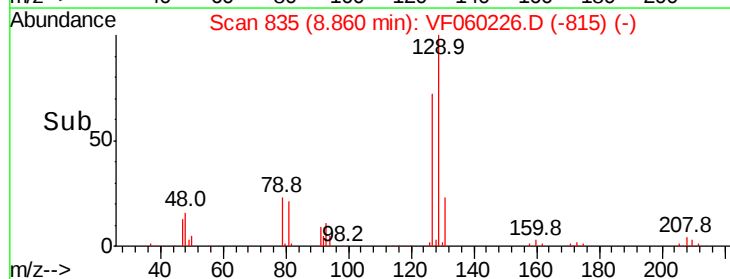
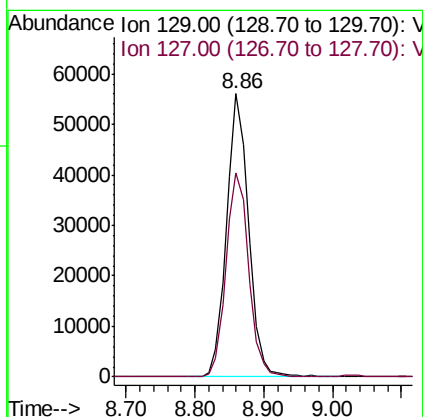
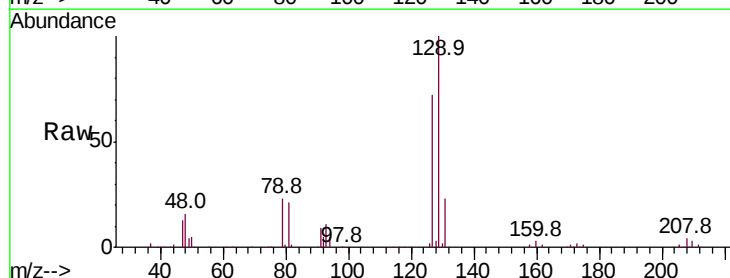
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

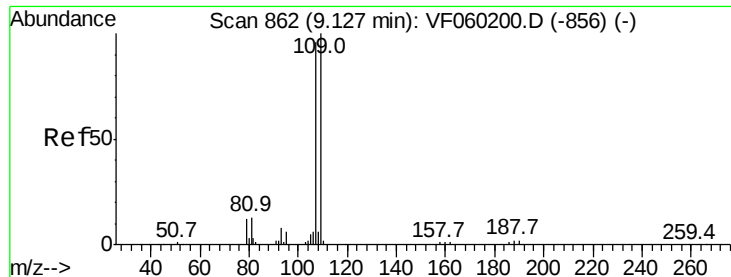
Tot Ion: 43 Resp: 239453
Ion Ratio Lower Upper
43 100
58 45.2 20.8 62.5



#60
Dibromochloromethane
Concen: 49.807 ug/l
RT: 8.86 min Scan# 835
Delta R.T. -0.00 min
Lab File: VF060226.D
Acq: 10 Sep 2018 10:15

Tgt Ion: 129 Resp: 124220
Ion Ratio Lower Upper
129 100
127 72.3 40.9 122.8





#61

1,2-Dibromoethane

Concen: 46.204 ug/l

RT: 9.14 min Scan# 863

Delta R.T. 0.01 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

Instrument :

MSVOA_F

ClientSampleId :

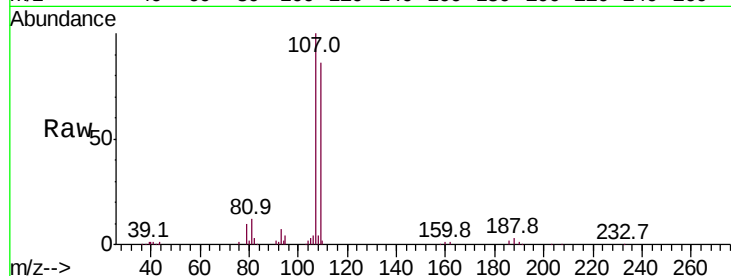
VSTDCCC050

Tot Ion:107 Resp: 83447

Ion Ratio Lower Upper

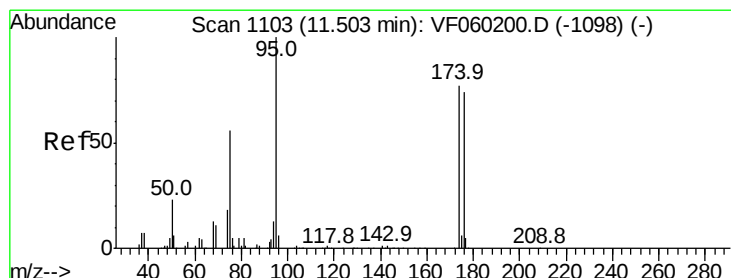
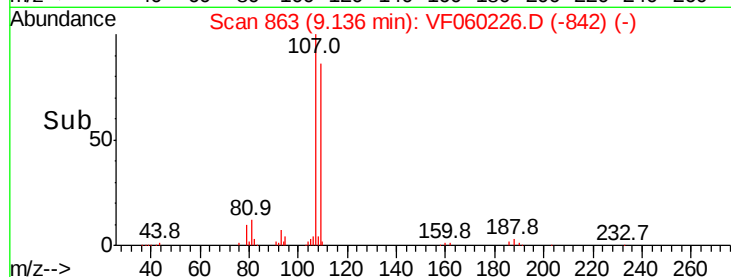
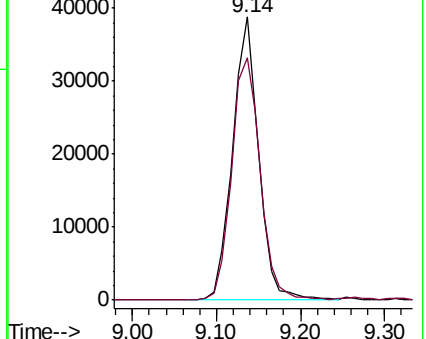
107 100

109 85.6 83.0 124.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 46.109 ug/l

RT: 11.51 min Scan# 1104

Delta R.T. 0.01 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

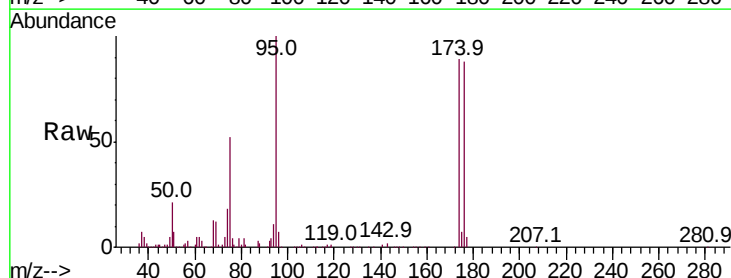
Tgt Ion: 95 Resp: 160338

Ion Ratio Lower Upper

95 100

174 88.6 0.0 153.2

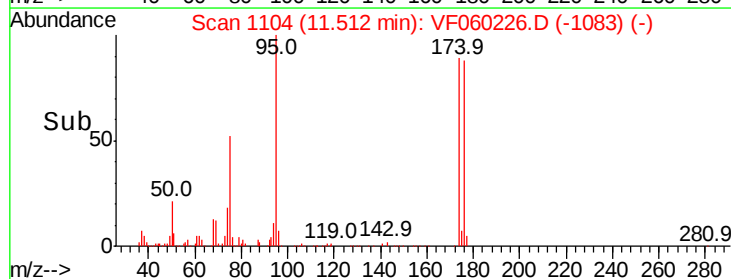
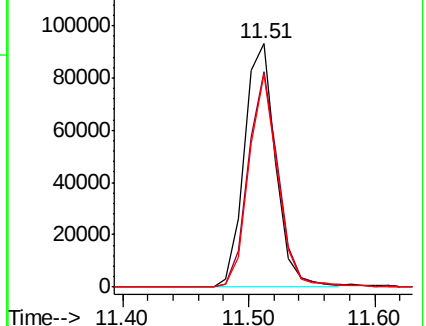
176 87.6 0.0 147.2

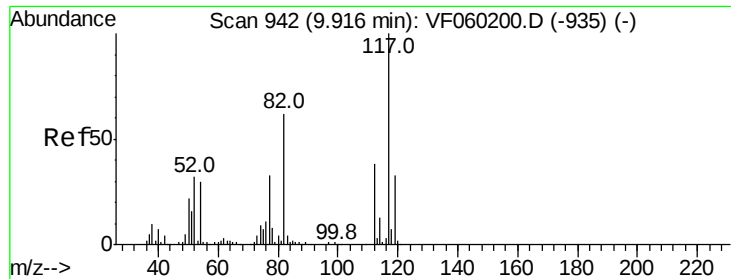


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

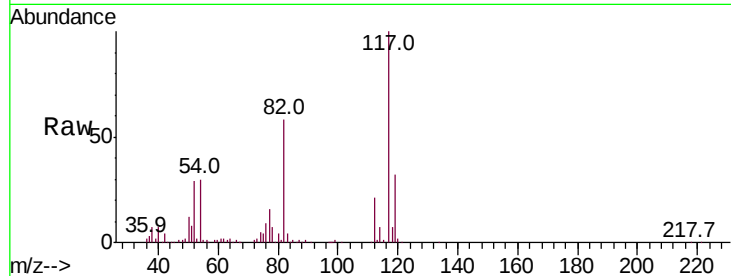




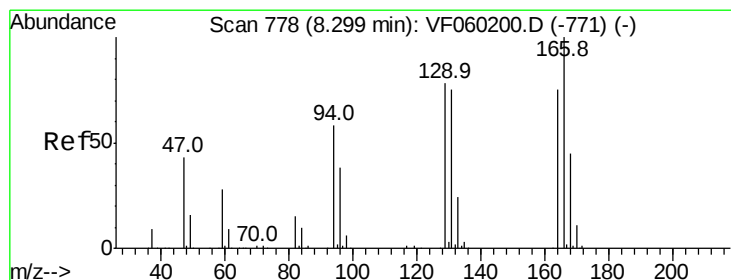
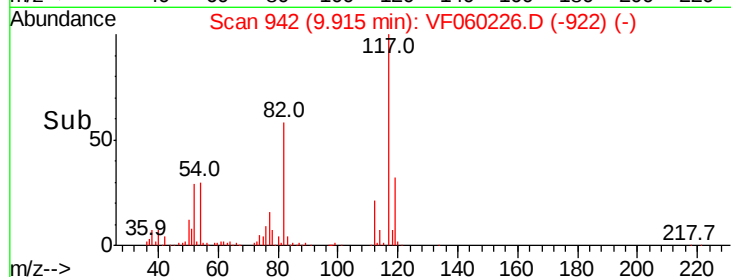
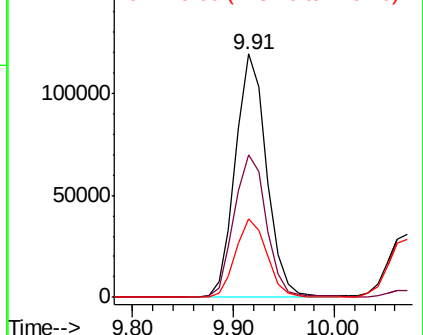
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 942
Delta R.T. -0.00 min
Lab File: VF060226.D
Acq: 10 Sep 2018 10:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 258538
Ion Ratio Lower Upper
117 100
82 58.4 49.3 73.9
119 32.5 26.5 39.7

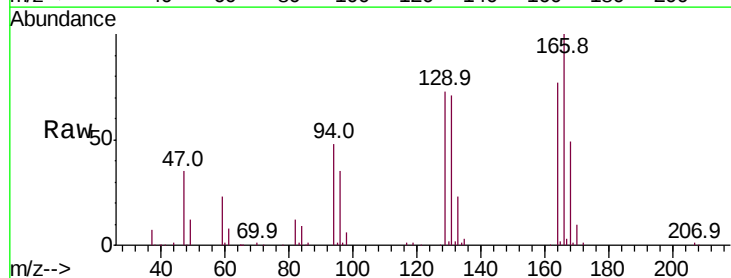


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

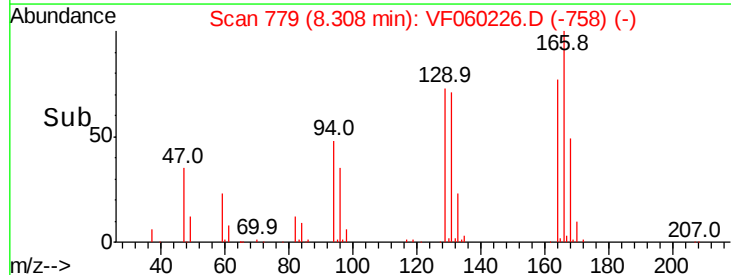
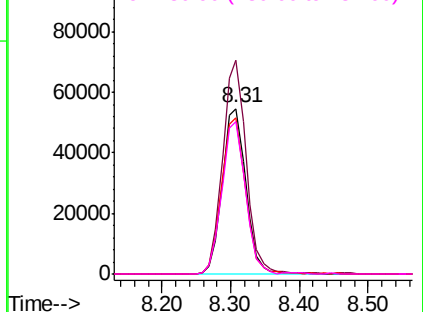


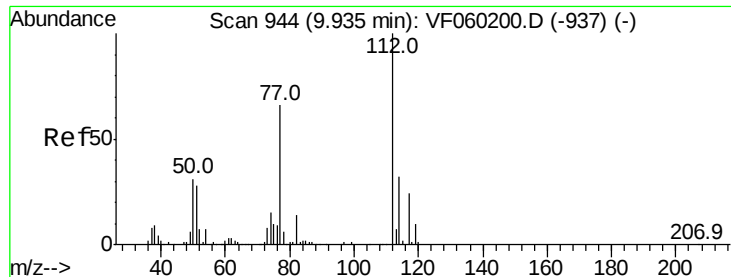
#64
Tetrachloroethene
Concen: 49.092 ug/l
RT: 8.31 min Scan# 779
Delta R.T. 0.01 min
Lab File: VF060226.D
Acq: 10 Sep 2018 10:15

Tgt Ion:164 Resp: 130222
Ion Ratio Lower Upper
164 100
166 129.1 107.0 160.4
129 94.7 83.0 124.6
131 92.0 79.8 119.8



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

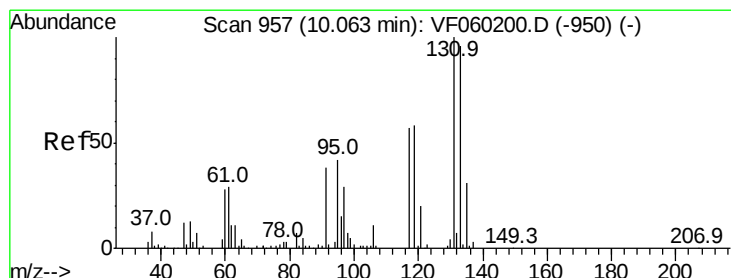
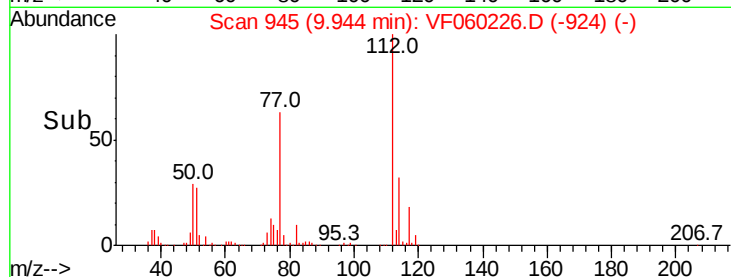
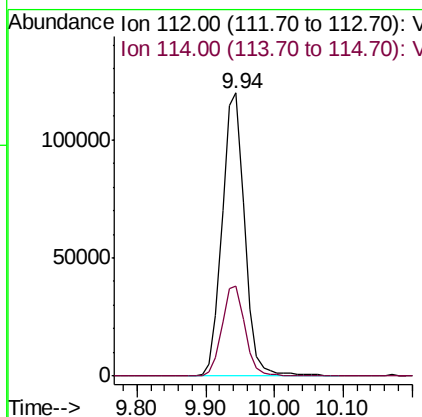
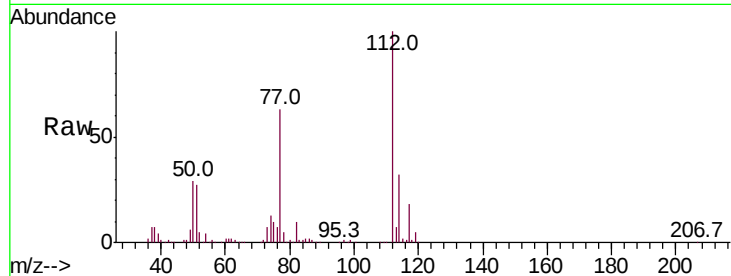




#65
Chlorobenzene
Concen: 50.526 ug/l
RT: 9.94 min Scan# 945
Delta R.T. 0.01 min
Lab File: VF060226.D
Acq: 10 Sep 2018 10:15

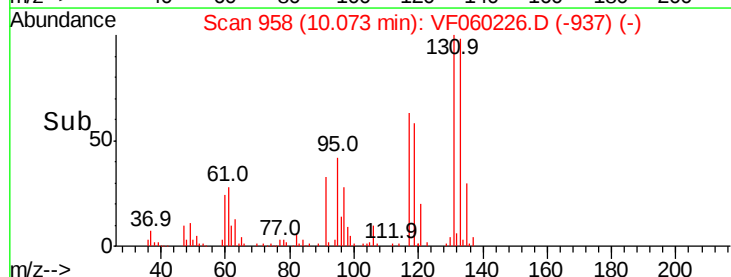
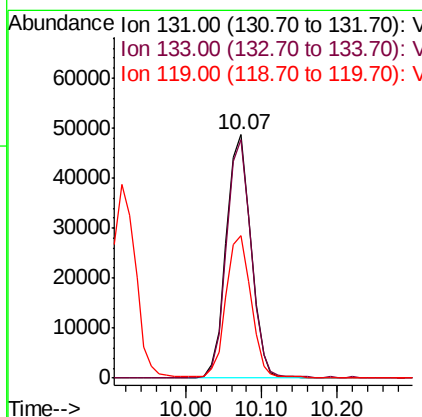
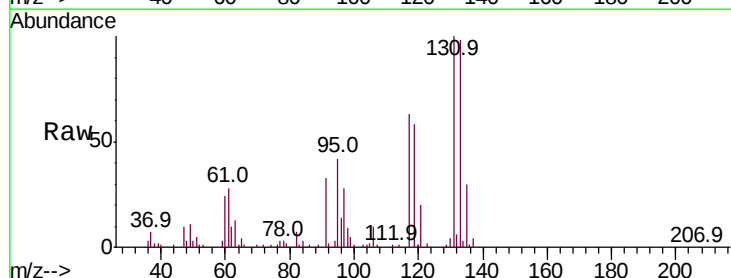
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

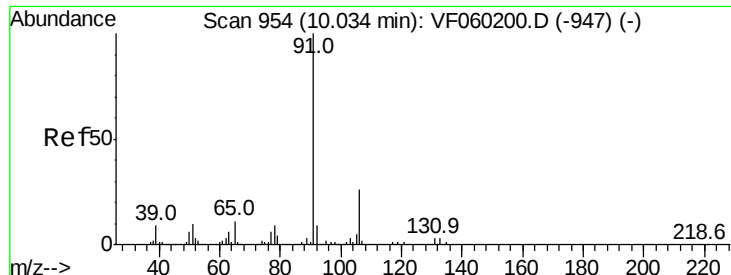
Tot Ion:112 Resp: 270374
Ion Ratio Lower Upper
112 100
114 32.0 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 46.594 ug/l
RT: 10.07 min Scan# 958
Delta R.T. 0.01 min
Lab File: VF060226.D
Acq: 10 Sep 2018 10:15

Tgt Ion:131 Resp: 110510
Ion Ratio Lower Upper
131 100
133 98.0 47.9 143.8
119 58.4 29.0 87.0





#67

Ethyl Benzene

Concen: 51.089 ug/l

RT: 10.04 min Scan# 955

Delta R.T. 0.01 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

Instrument :

MSVOA_F

ClientSampleId :

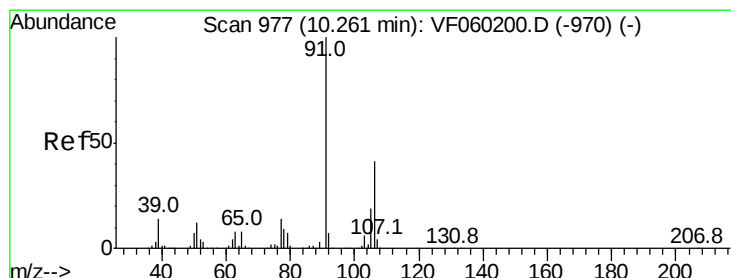
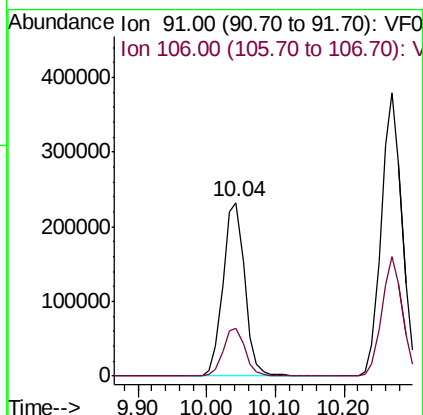
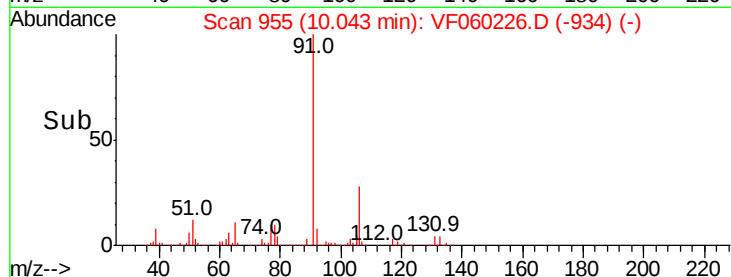
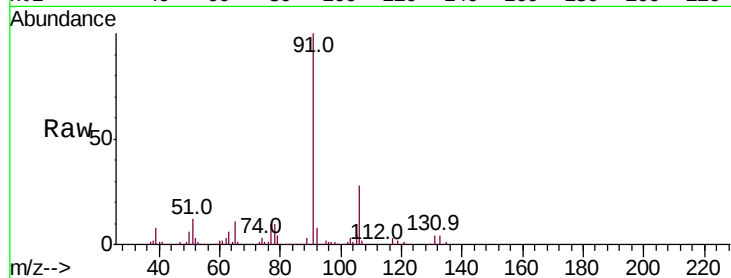
VSTDCCC050

Tot Ion: 91 Resp: 510054

Ion Ratio Lower Upper

91 100

106 27.9 21.1 31.7



#68

m/p-Xylenes

Concen: 102.112 ug/l

RT: 10.27 min Scan# 978

Delta R.T. 0.01 min

Lab File: VF060226.D

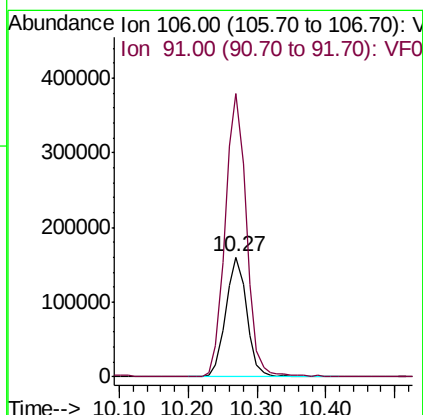
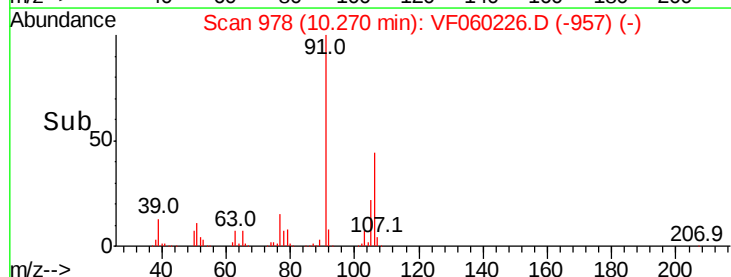
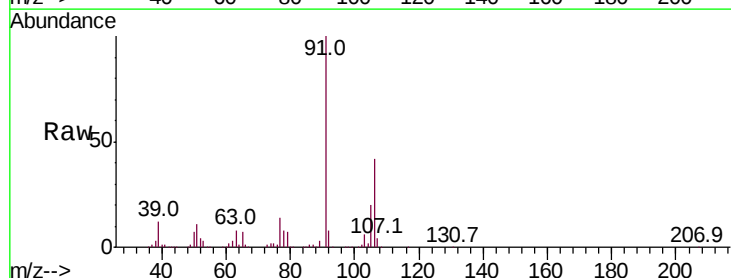
Acq: 10 Sep 2018 10:15

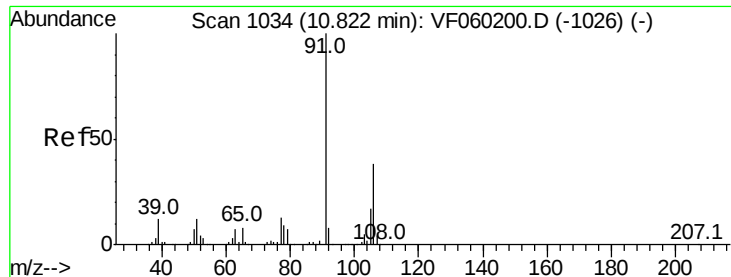
Tgt Ion: 106 Resp: 342048

Ion Ratio Lower Upper

106 100

91 236.3 194.6 291.8

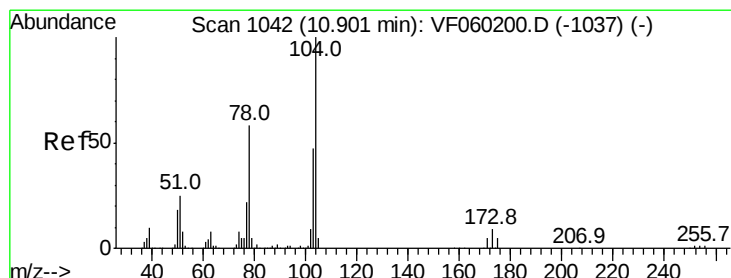
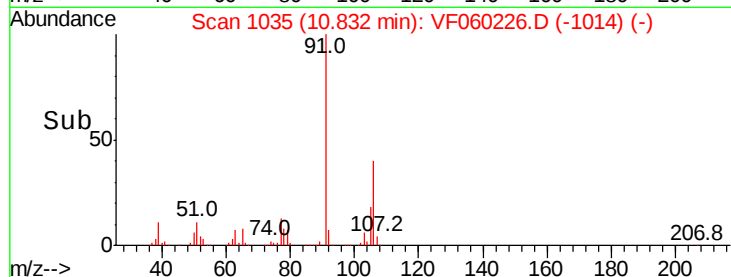
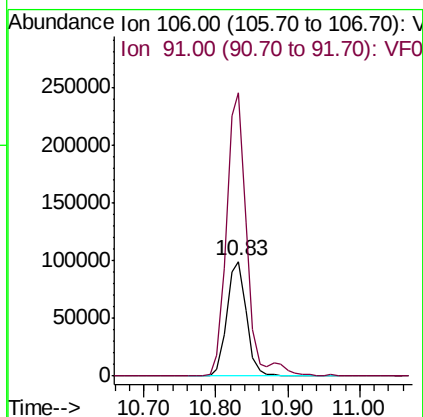
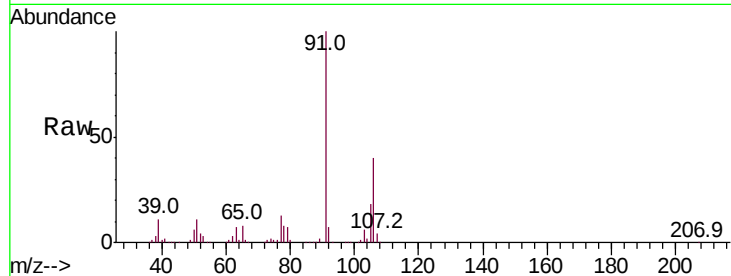




#69
o-Xylene
Concen: 52.733 ug/l
RT: 10.83 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VF060226.D
Acq: 10 Sep 2018 10:15

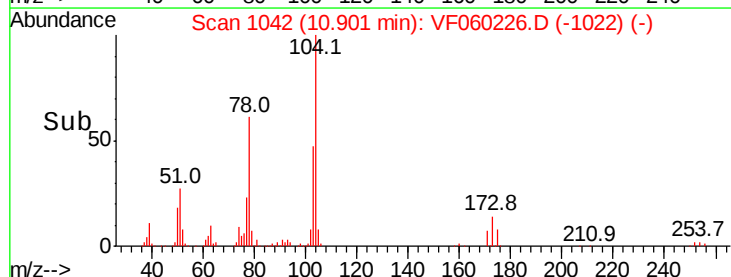
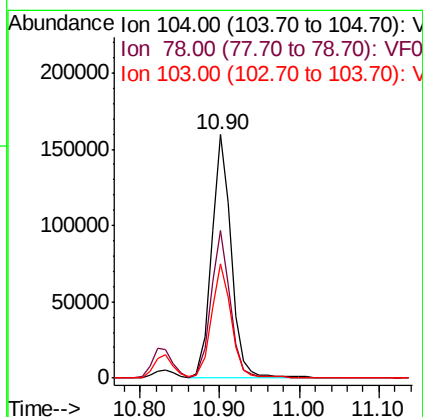
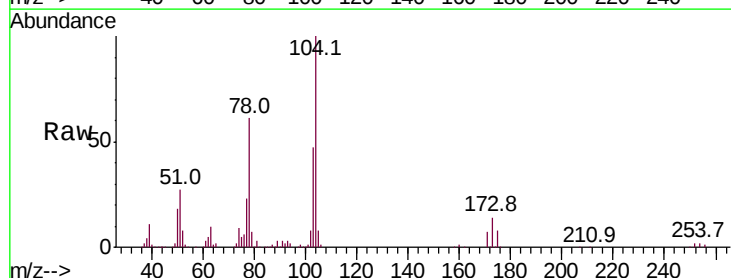
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

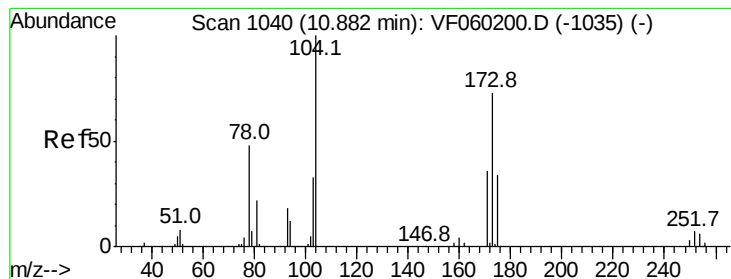
Tot Ion:106 Resp: 188421
Ion Ratio Lower Upper
106 100
91 247.4 130.5 391.5



#70
Styrene
Concen: 50.897 ug/l
RT: 10.90 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VF060226.D
Acq: 10 Sep 2018 10:15

Tgt Ion:104 Resp: 275663
Ion Ratio Lower Upper
104 100
78 60.8 47.1 70.7
103 46.7 38.6 57.8





#71

Bromoform

Concen: 53.361 ug/l

RT: 10.89 min Scan# 1041

Delta R.T. 0.01 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

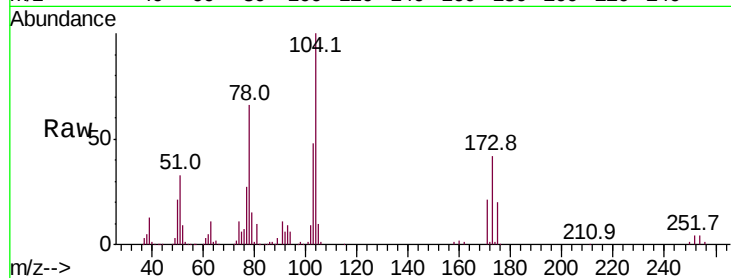
Tot Ion:173 Resp: 73066

Ion Ratio Lower Upper

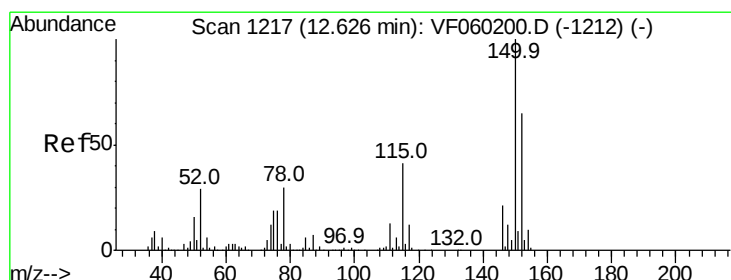
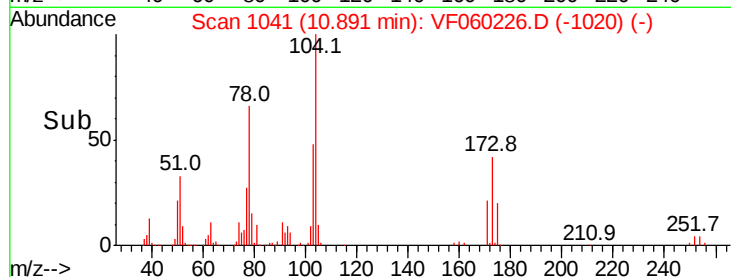
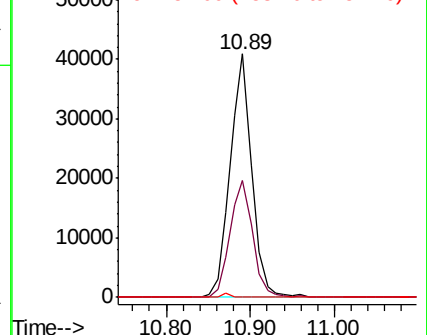
173 100

175 48.0 23.1 69.3

254 0.0 0.2 0.4#



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: 12.63 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

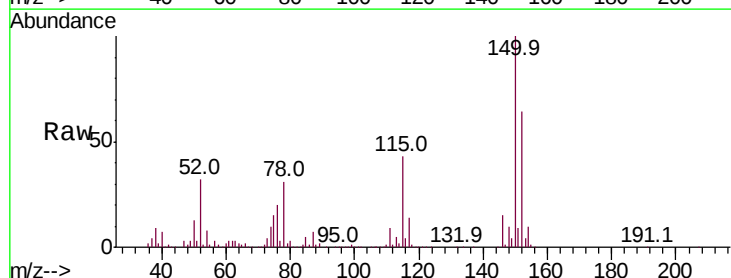
Tgt Ion:152 Resp: 157380

Ion Ratio Lower Upper

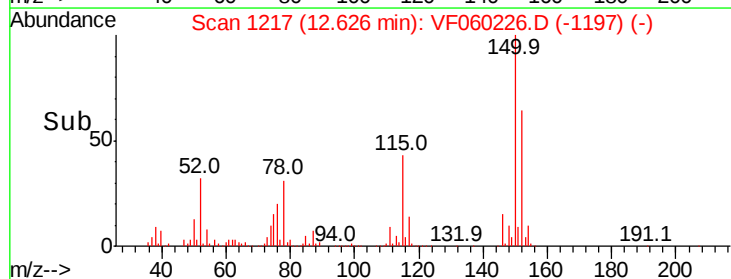
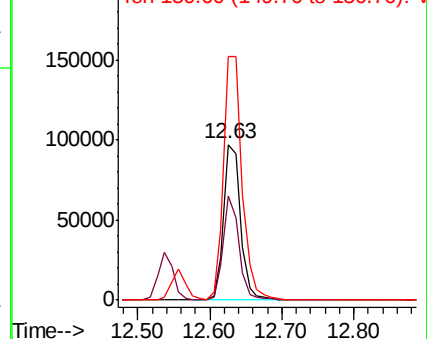
152 100

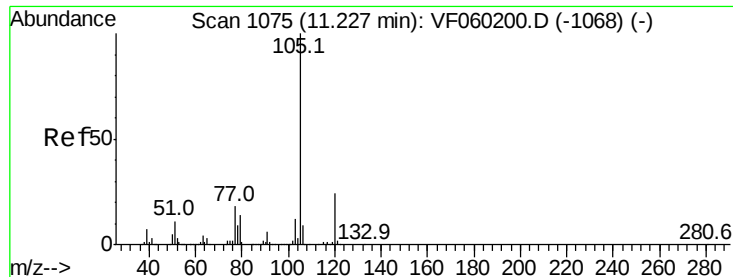
115 66.6 31.5 94.5

150 156.3 0.0 310.4



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: 52.954 ug/l

RT: 11.23 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

Instrument :

MSVOA_F

ClientSampleId :

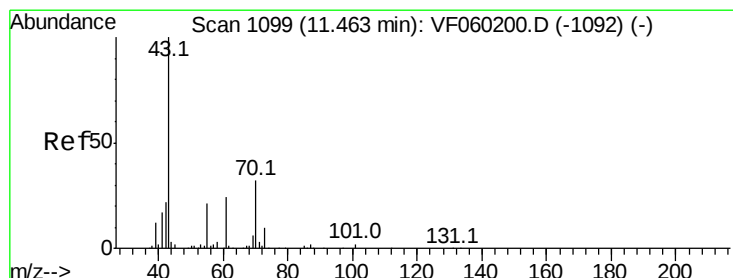
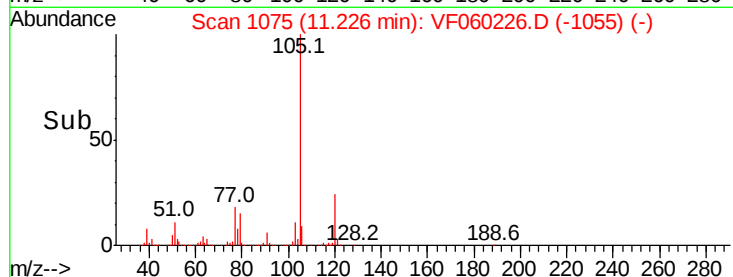
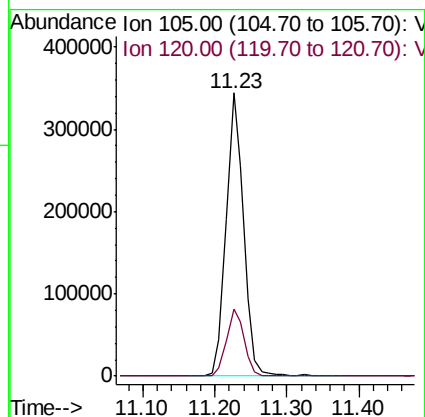
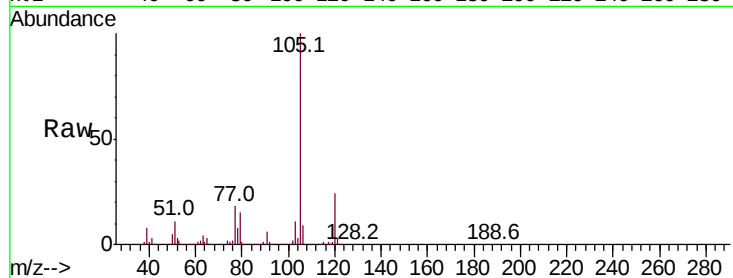
VSTDCCC050

Tot Ion:105 Resp: 574862

Ion Ratio Lower Upper

105 100

120 23.7 11.8 35.3



#74

N-ethyl acetate

Concen: 38.343 ug/l

RT: 11.46 min Scan# 1099

Delta R.T. -0.00 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

Tgt Ion: 43 Resp: 80206

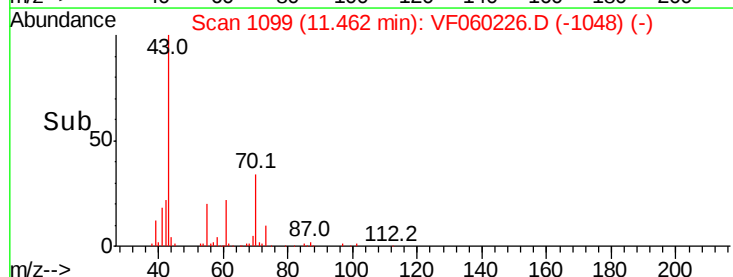
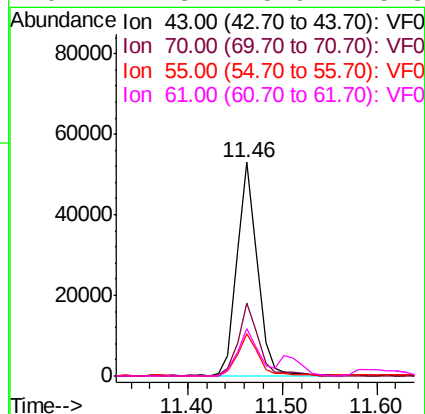
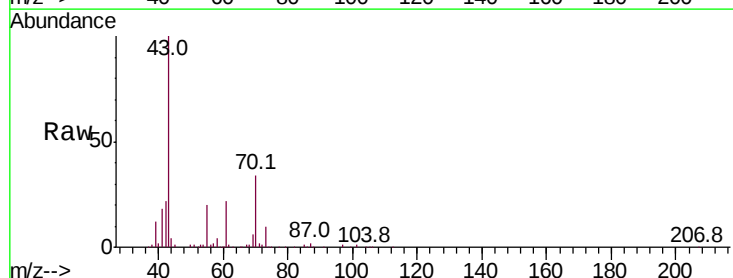
Ion Ratio Lower Upper

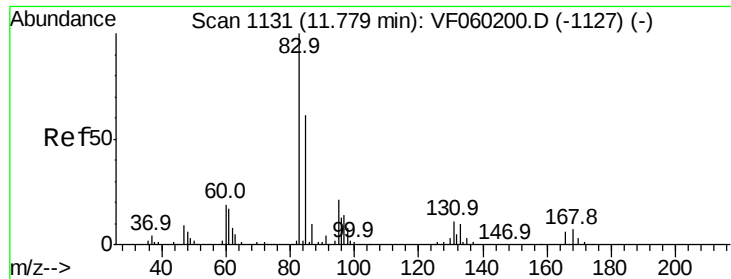
43 100

70 34.0 25.8 38.6

55 19.7 16.8 25.2

61 22.3 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 49.379 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

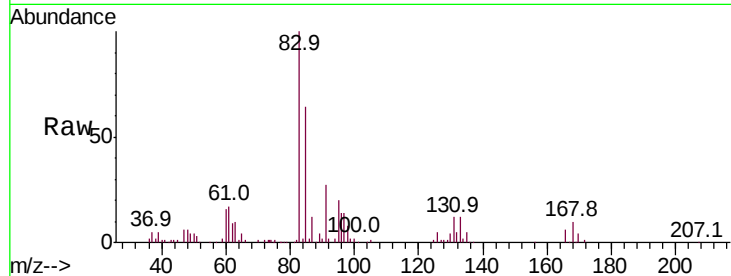
Tot Ion: 83 Resp: 80610

Ion	Ratio	Lower	Upper
83	100		
131	12.1	5.5	16.4
85	64.2	31.1	93.5

83 100

131 12.1 5.5 16.4

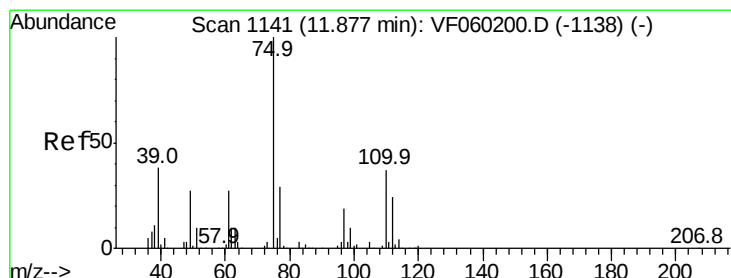
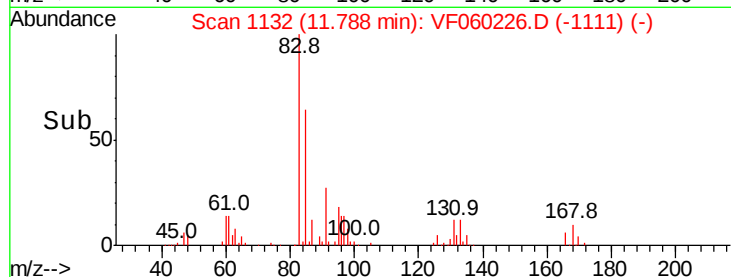
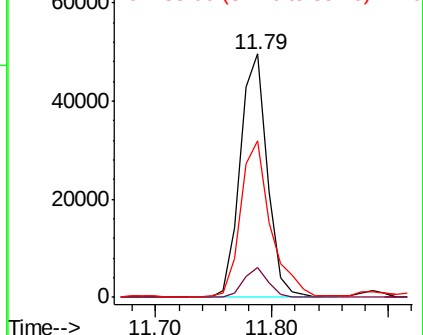
85 64.2 31.1 93.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 43.739 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VF060226.D

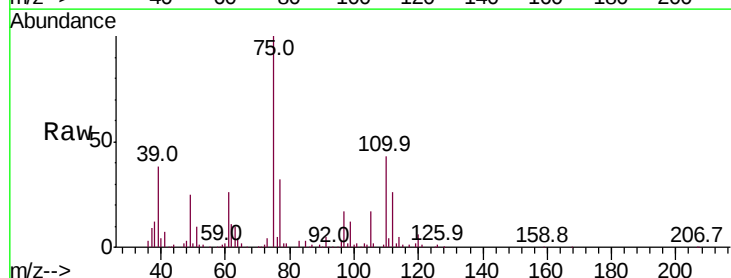
Acq: 10 Sep 2018 10:15

Tgt Ion: 75 Resp: 75665

Ion	Ratio	Lower	Upper
75	100		
77	32.3	14.6	43.8

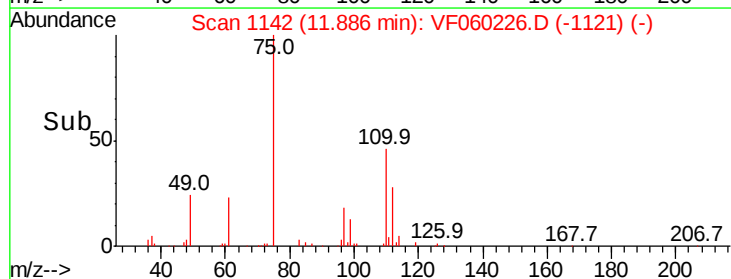
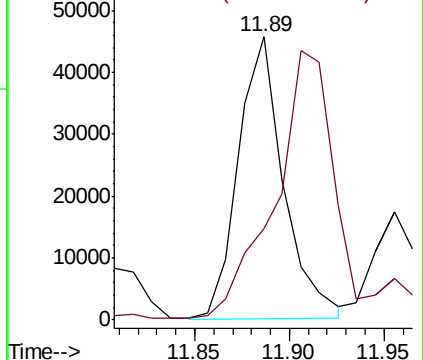
75 100

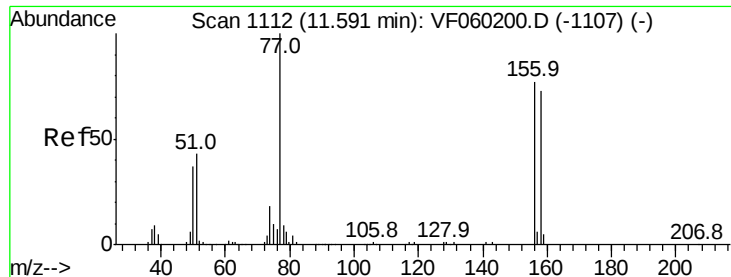
77 32.3 14.6 43.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 49.387 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

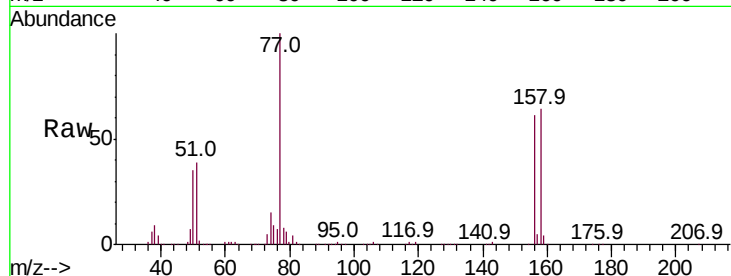
Tot Ion:156 Resp: 140401

Ion Ratio Lower Upper

156 100

77 163.0 64.8 194.3

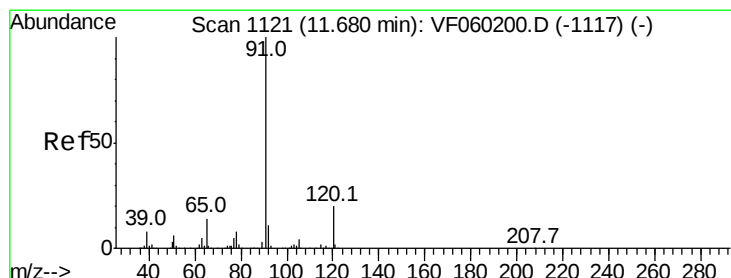
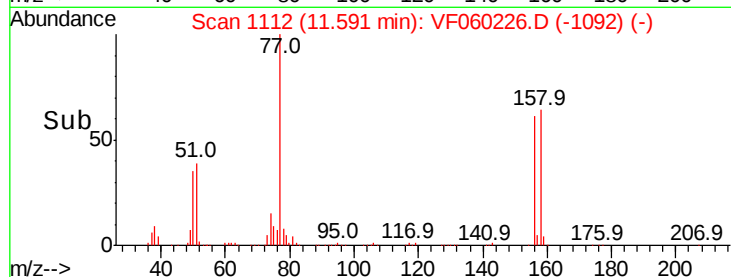
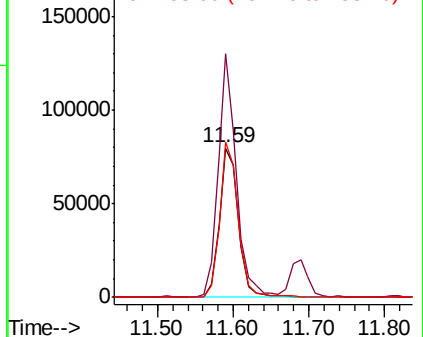
158 103.7 47.3 141.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 52.691 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF060226.D

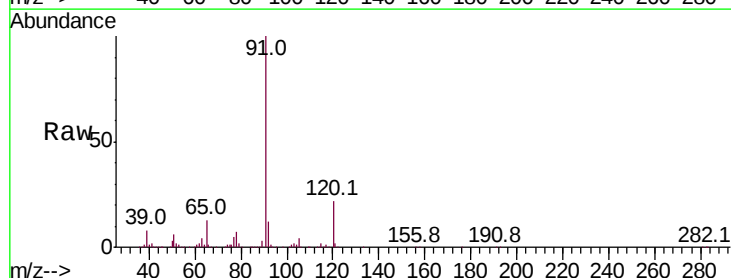
Acq: 10 Sep 2018 10:15

Tgt Ion: 91 Resp: 685431

Ion Ratio Lower Upper

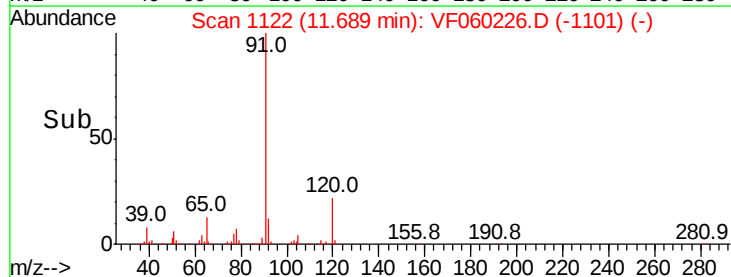
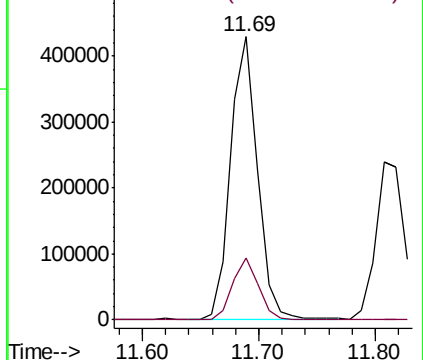
91 100

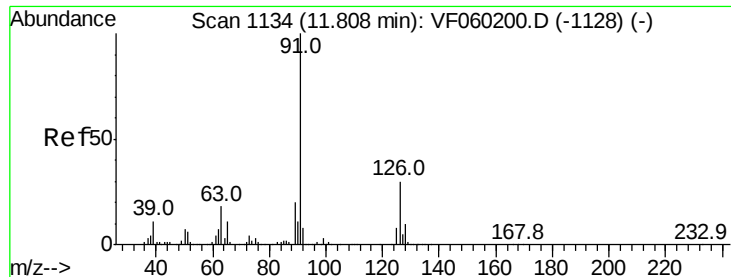
120 21.9 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.926 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.00 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

Instrument :

MSVOA_F

ClientSampleId :

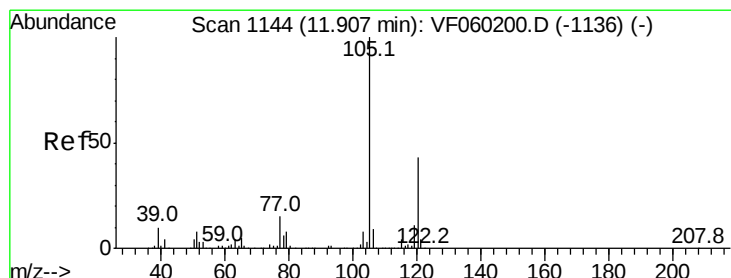
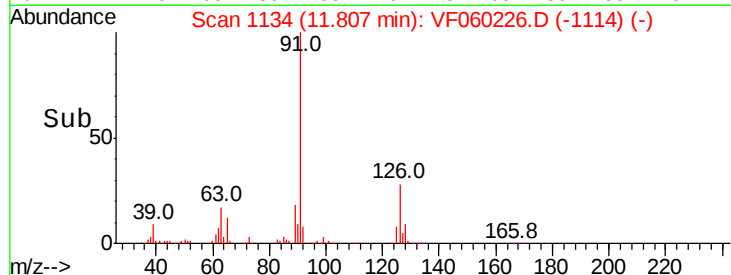
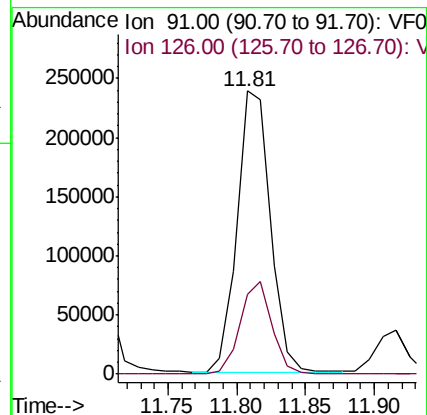
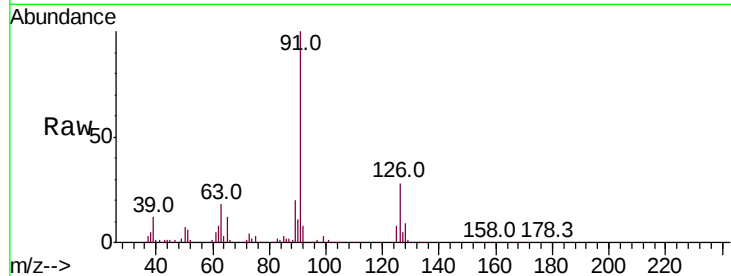
VSTDCCC050

Tot Ion: 91 Resp: 400225

Ion Ratio Lower Upper

91 100

126 28.0 15.2 45.5



#80

1,3,5-Trimethylbenzene

Concen: 52.945 ug/l

RT: 11.92 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VF060226.D

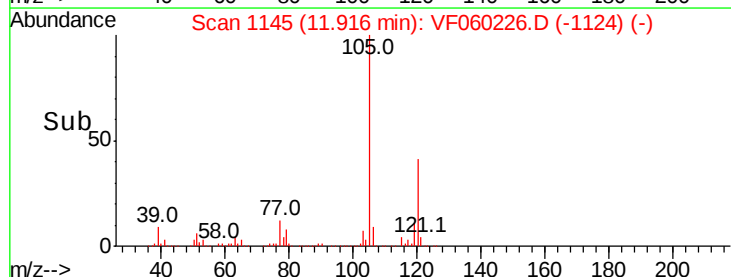
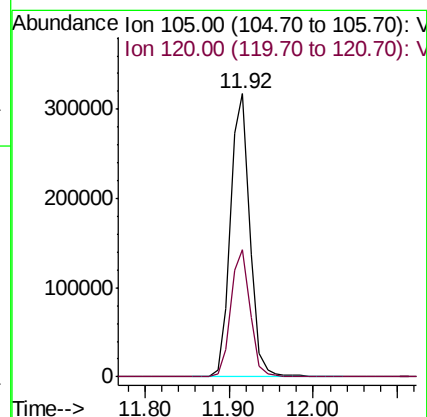
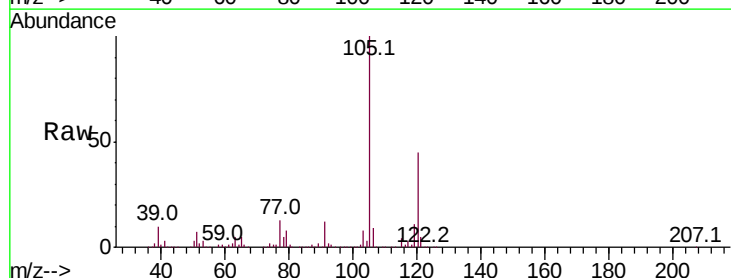
Acq: 10 Sep 2018 10:15

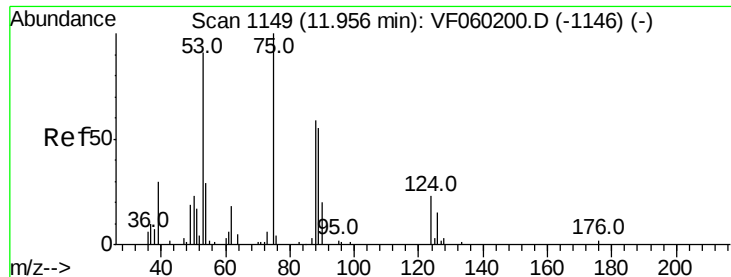
Tgt Ion:105 Resp: 507375

Ion Ratio Lower Upper

105 100

120 45.1 21.6 64.8





#81

trans-1,4-Dichloro-2-butene

Concen: 107.468 ug/l

RT: 11.96 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

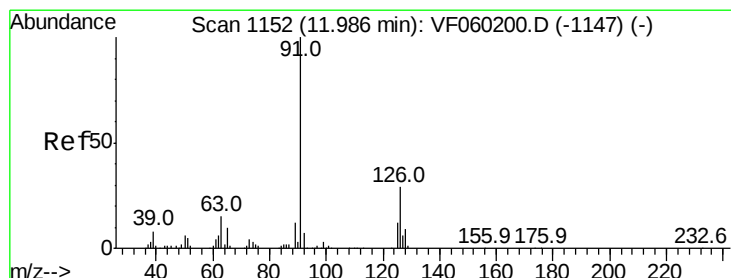
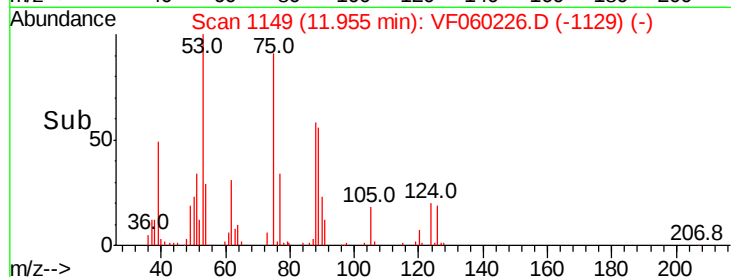
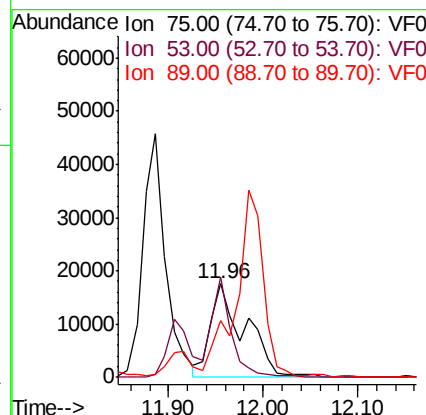
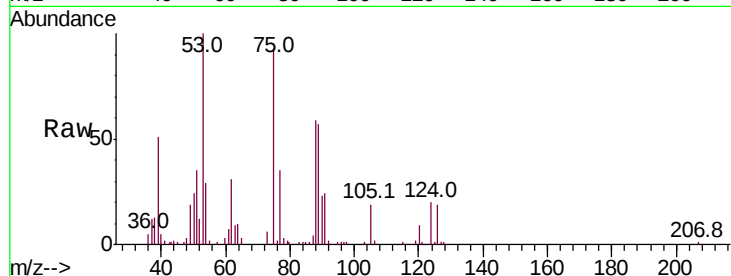
Tot Ion: 75 Resp: 44667

Ion Ratio Lower Upper

75 100

53 107.6 76.5 114.7

89 61.2 46.5 69.7



#82

4-Chlorotoluene

Concen: 50.594 ug/l

RT: 11.98 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF060226.D

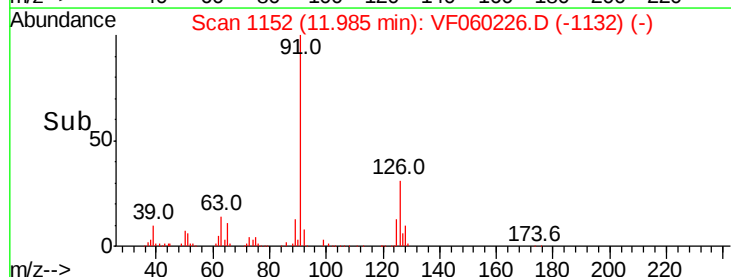
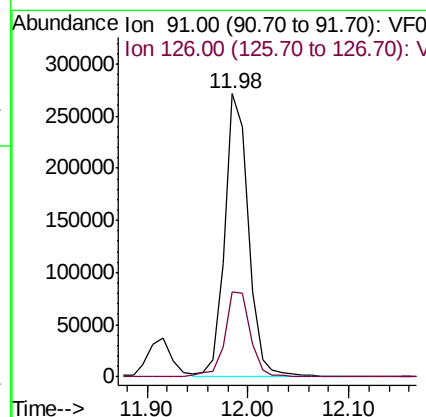
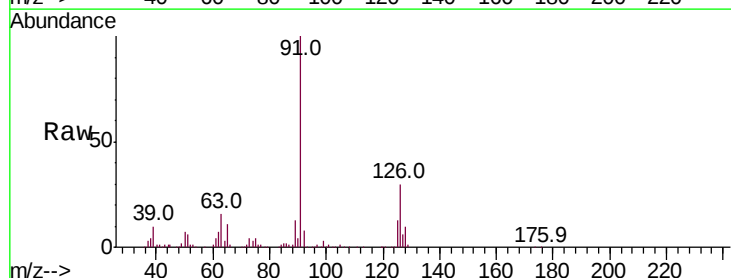
Acq: 10 Sep 2018 10:15

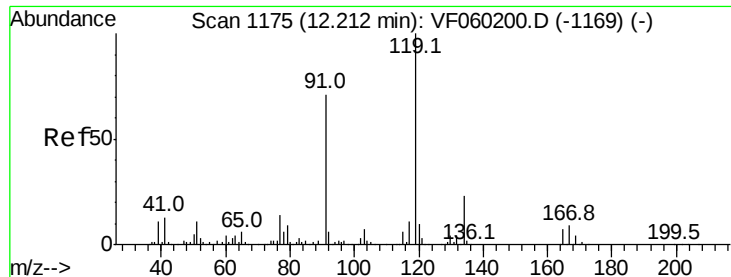
Tgt Ion: 91 Resp: 441251

Ion Ratio Lower Upper

91 100

126 30.1 14.4 43.4

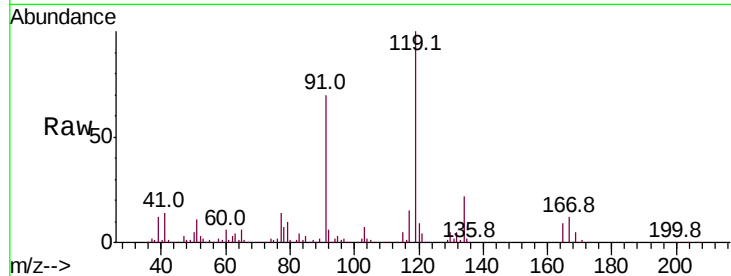




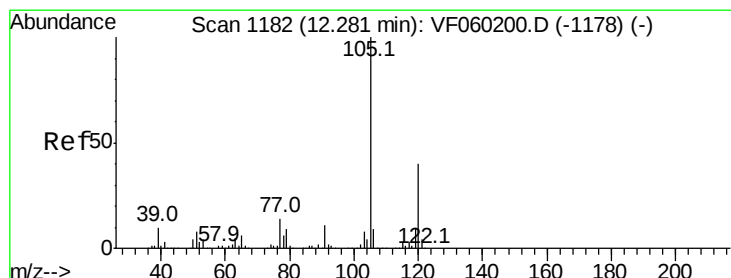
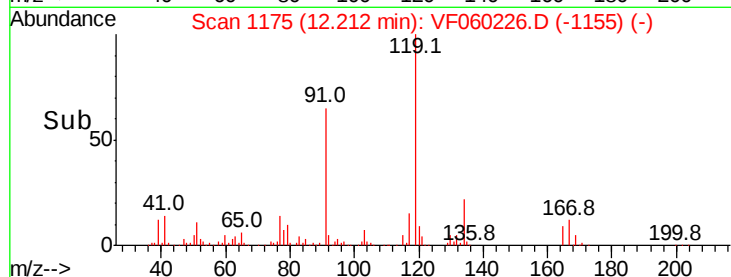
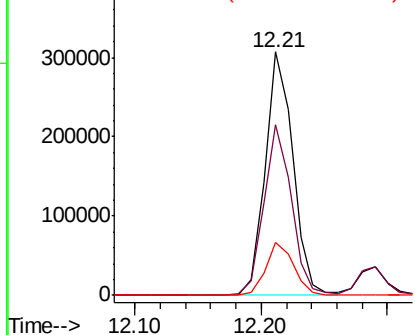
#83
tert-Butylbenzene
Concen: 54.156 ug/l
RT: 12.21 min Scan# 1175
Delta R.T. -0.00 min
Lab File: VF060226.D
Acq: 10 Sep 2018 10:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 472916
Ion Ratio Lower Upper
119 100
91 70.0 35.8 107.4
134 21.7 11.6 34.7

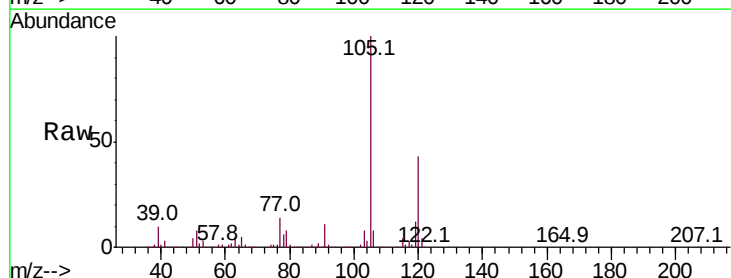


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

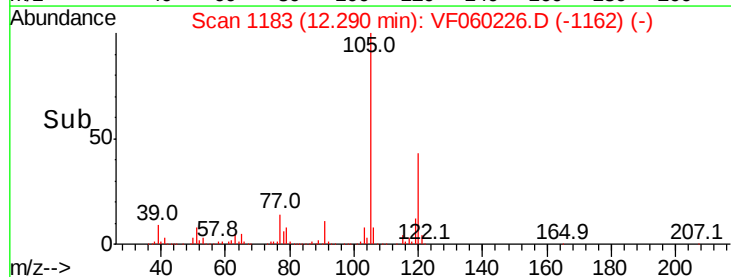
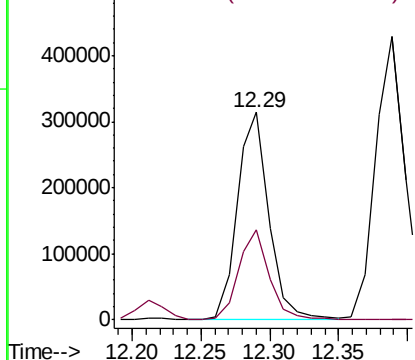


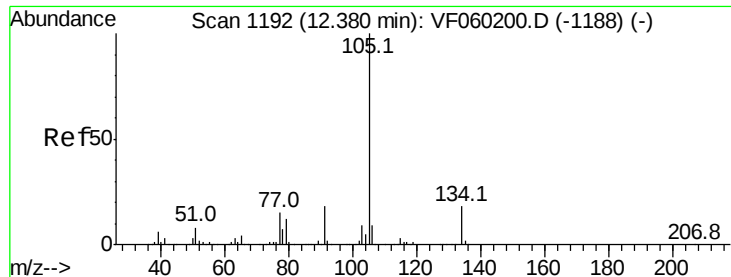
#84
1,2,4-Trimethylbenzene
Concen: 51.578 ug/l
RT: 12.29 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VF060226.D
Acq: 10 Sep 2018 10:15

Tgt Ion:105 Resp: 502142
Ion Ratio Lower Upper
105 100
120 43.4 20.2 60.5



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





#85

sec-Butylbenzene

Concen: 53.374 ug/l

RT: 12.39 min Scan# 1193

Delta R.T. 0.01 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

Instrument :

MSVOA_F

ClientSampleId :

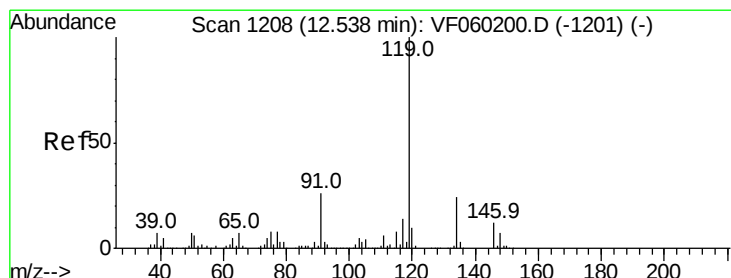
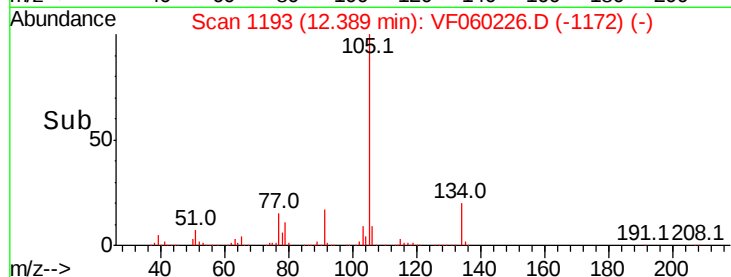
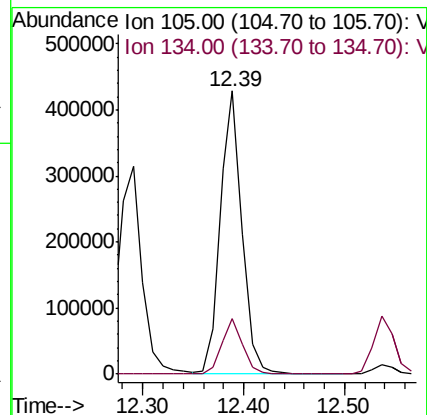
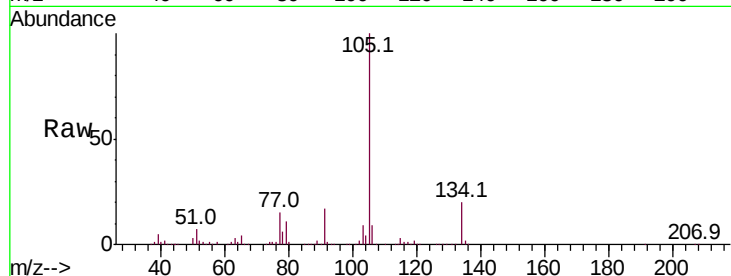
VSTDCCC050

Tot Ion:105 Resp: 642967

Ion Ratio Lower Upper

105 100

134 19.7 8.8 26.5



#86

p-Isopropyltoluene

Concen: 52.799 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

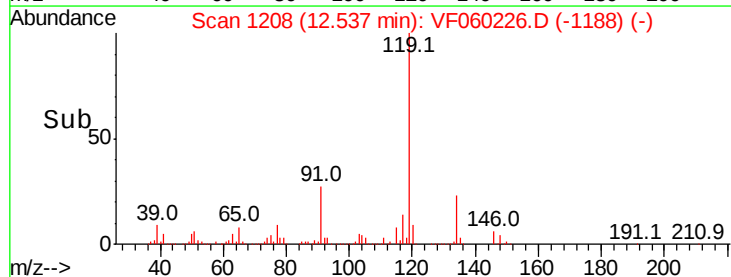
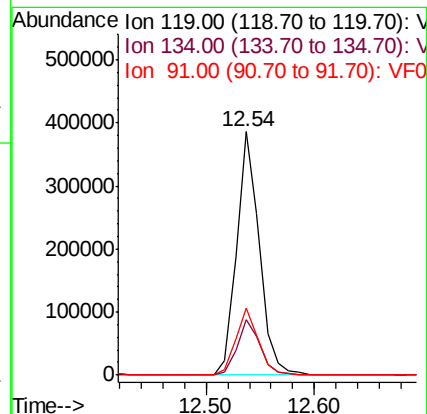
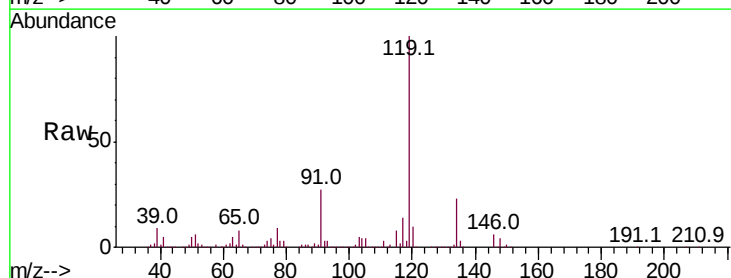
Tgt Ion:119 Resp: 564788

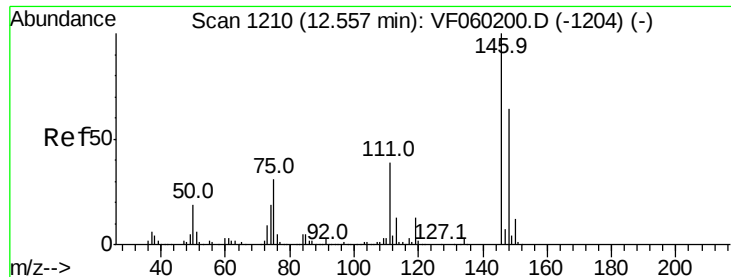
Ion Ratio Lower Upper

119 100

134 22.9 12.0 36.0

91 27.4 12.9 38.7

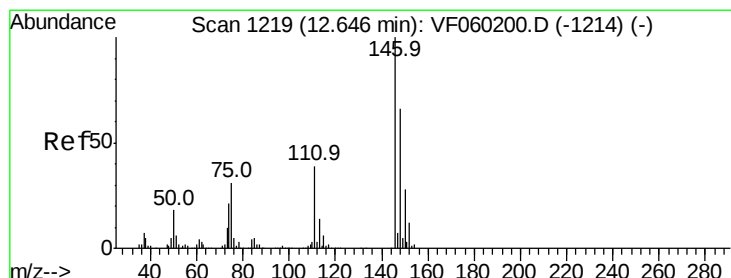
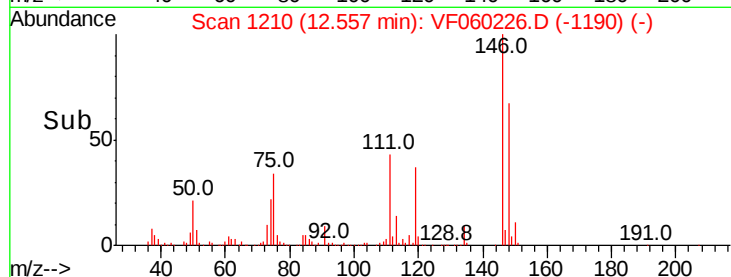
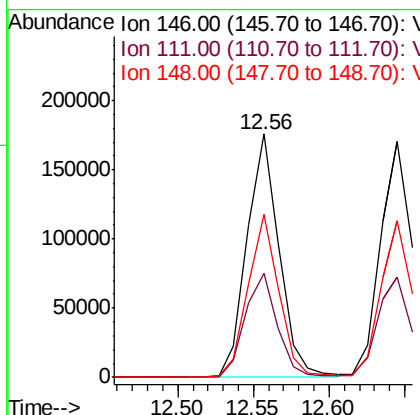
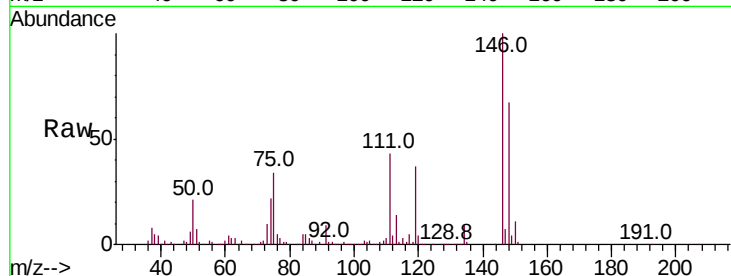




#87
 1,3-Dichlorobenzene
 Concen: 50.507 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF060226.D
 Acq: 10 Sep 2018 10:15

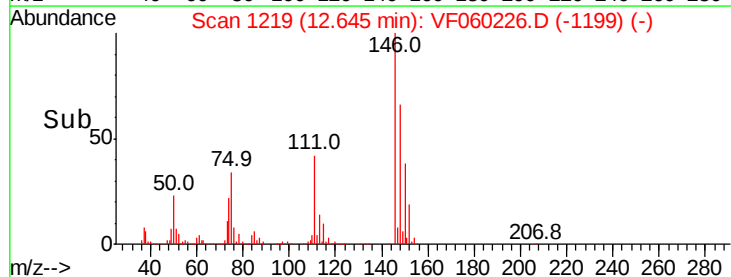
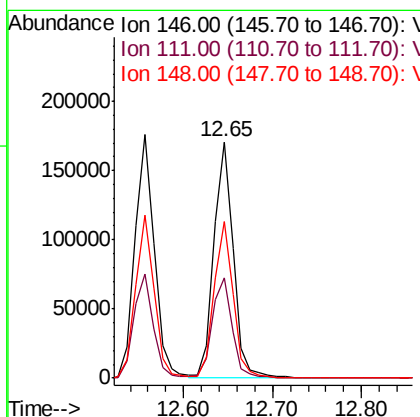
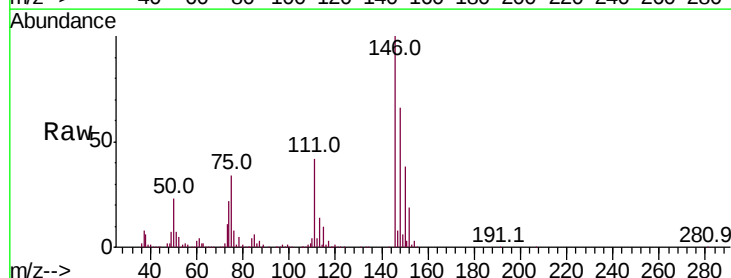
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

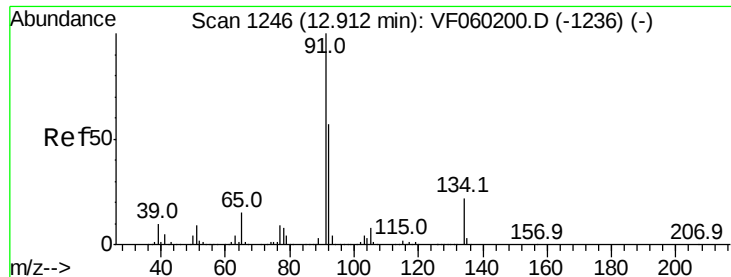
Tot Ion:146 Resp: 262375
 Ion Ratio Lower Upper
 146 100
 111 42.7 19.7 59.1
 148 67.0 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 50.334 ug/l
 RT: 12.65 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF060226.D
 Acq: 10 Sep 2018 10:15

Tgt Ion:146 Resp: 258779
 Ion Ratio Lower Upper
 146 100
 111 42.5 19.7 59.1
 148 66.4 33.1 99.5

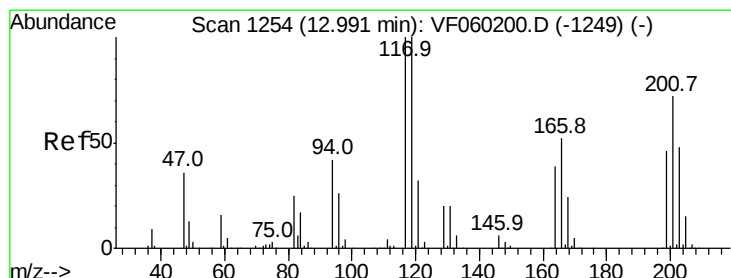
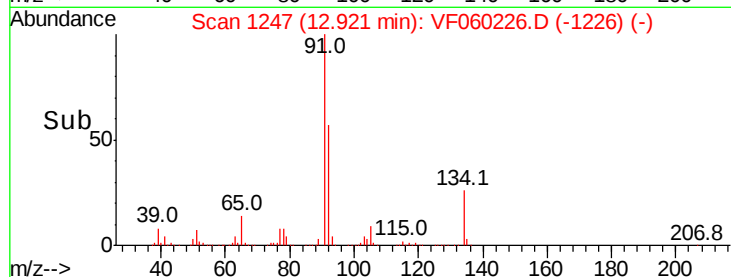
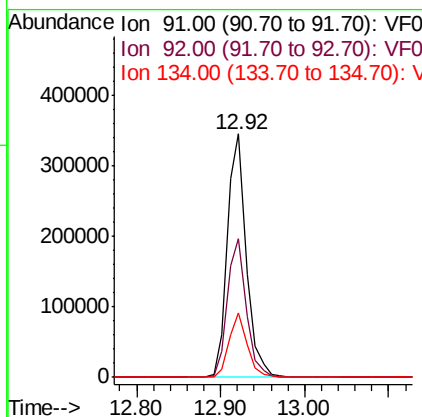
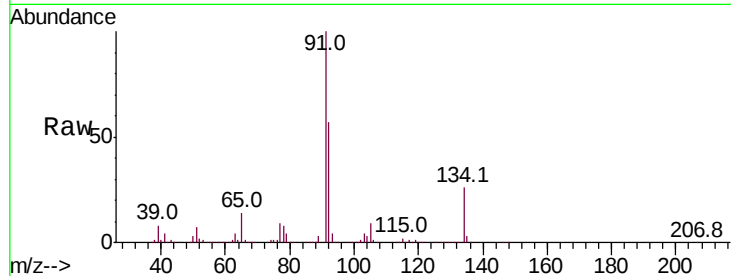




#89
n-Butylbenzene
Concen: 51.903 ug/l
RT: 12.92 min Scan# 1247
Delta R.T. 0.01 min
Lab File: VF060226.D
Acq: 10 Sep 2018 10:15

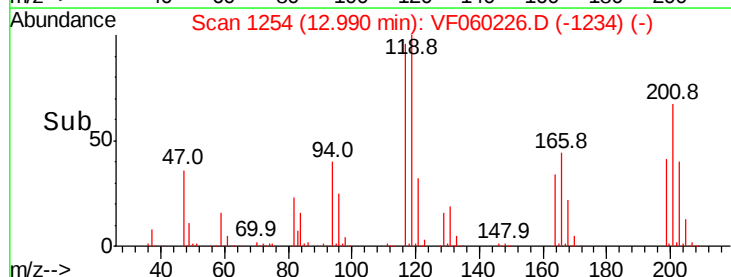
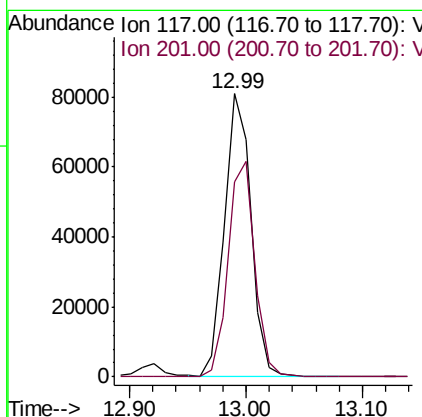
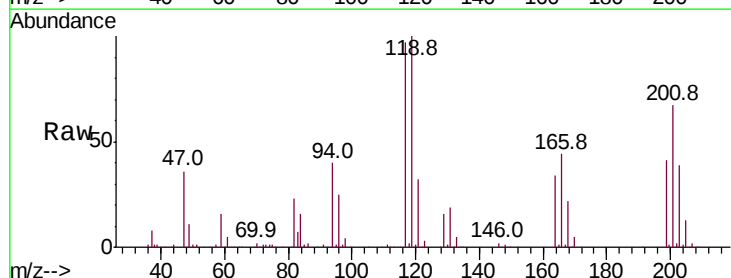
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

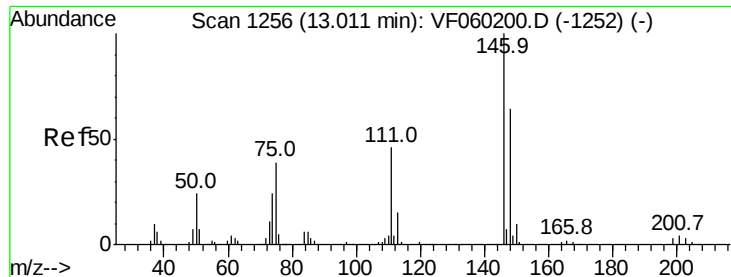
Tot Ion: 91 Resp: 536978
Ion Ratio Lower Upper
91 100
92 57.2 28.4 85.3
134 26.2 11.1 33.3



#90
Hexachloroethane
Concen: 59.066 ug/l
RT: 12.99 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VF060226.D
Acq: 10 Sep 2018 10:15

Tgt Ion: 117 Resp: 128086
Ion Ratio Lower Upper
117 100
201 69.1 35.7 107.1

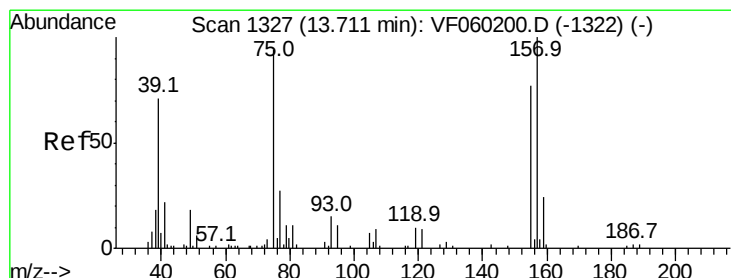
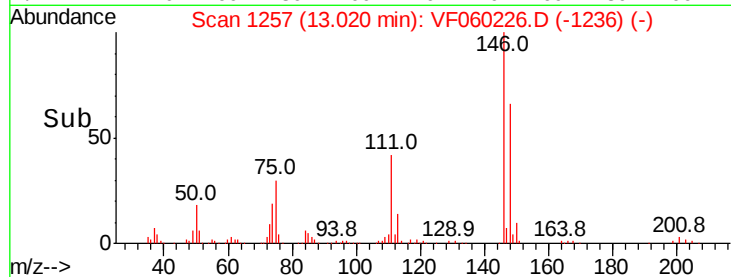
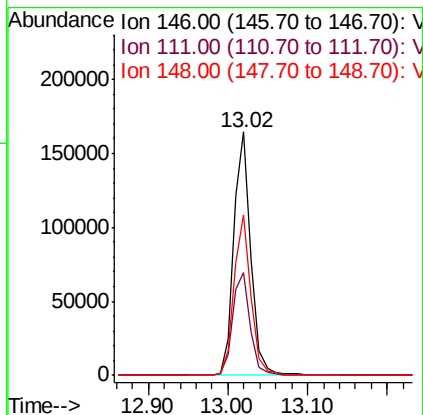
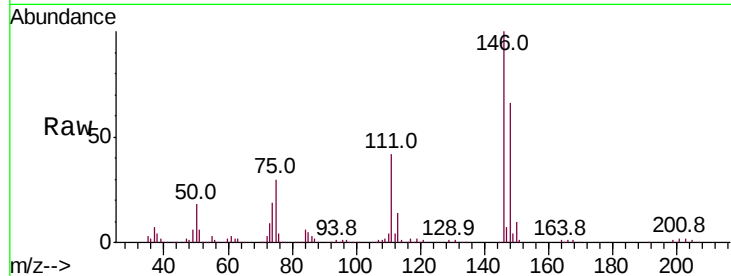




#91
 1,2-Dichlorobenzene
 Concen: 50.100 ug/l
 RT: 13.02 min Scan# 1257
 Delta R.T. 0.01 min
 Lab File: VF060226.D
 Acq: 10 Sep 2018 10:15

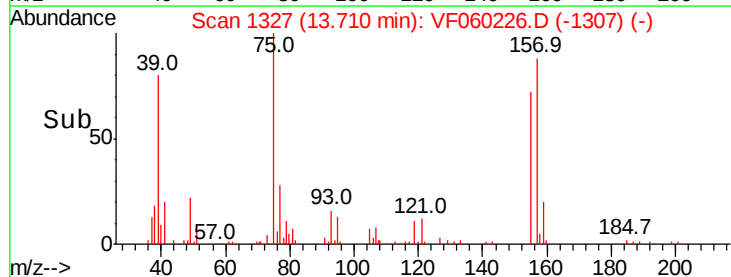
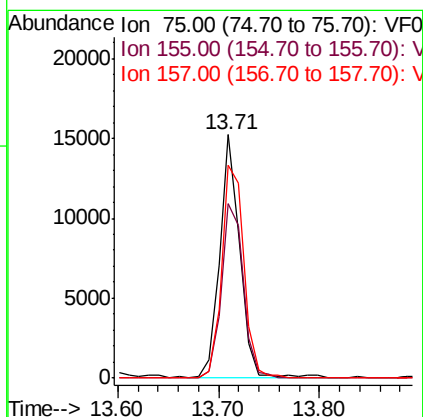
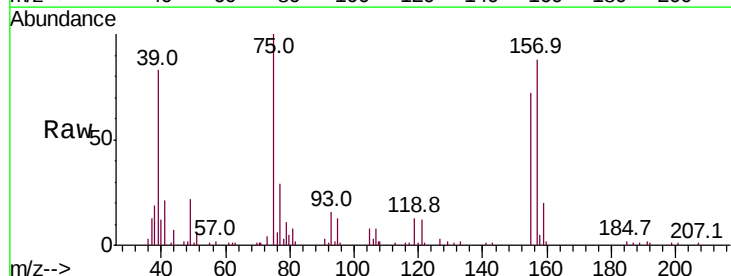
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

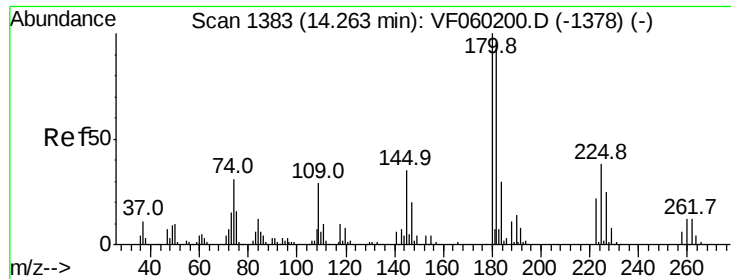
Tot Ion:146 Resp: 247104
 Ion Ratio Lower Upper
 146 100
 111 42.4 23.0 69.0
 148 65.7 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.315 ug/l
 RT: 13.71 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VF060226.D
 Acq: 10 Sep 2018 10:15

Tgt Ion: 75 Resp: 21376
 Ion Ratio Lower Upper
 75 100
 155 71.9 40.8 122.5
 157 87.5 53.3 159.9

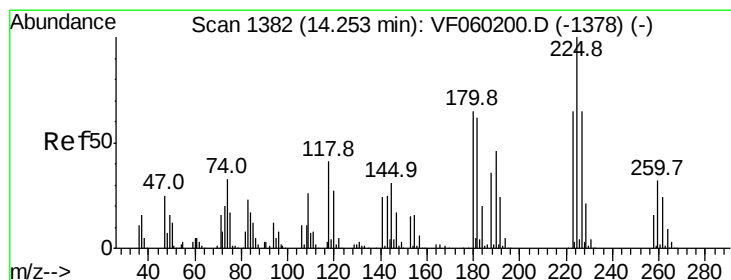
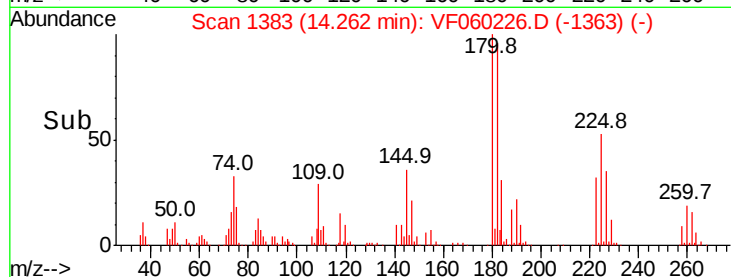
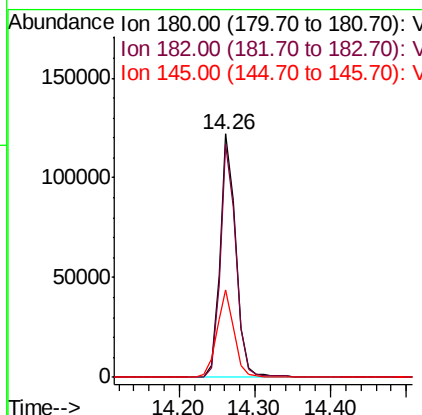
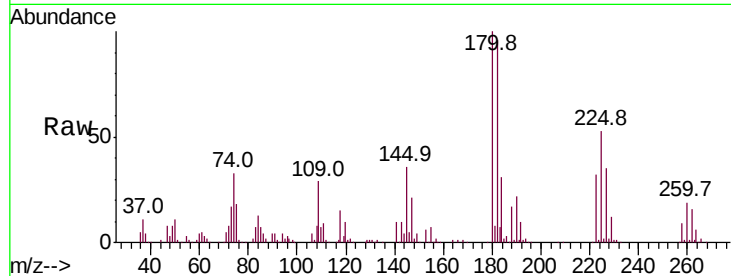




#93
 1,2,4-Trichlorobenzene
 Concen: 47.352 ug/l
 RT: 14.26 min Scan# 1383
 Delta R.T. -0.00 min
 Lab File: VF060226.D
 Acq: 10 Sep 2018 10:15

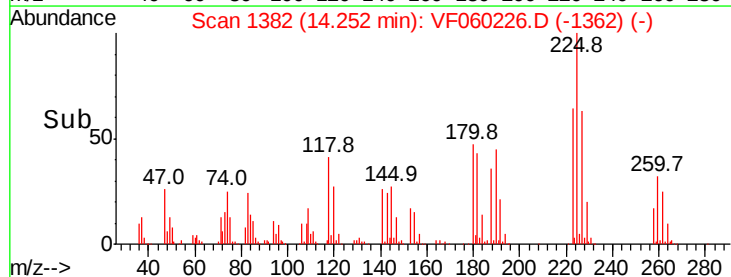
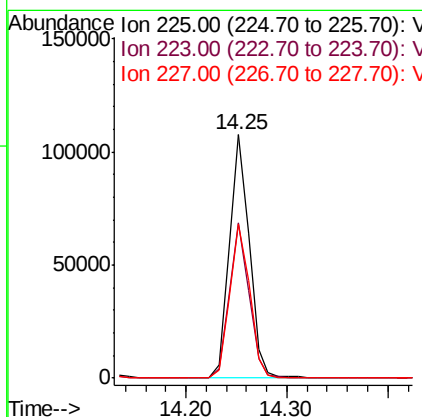
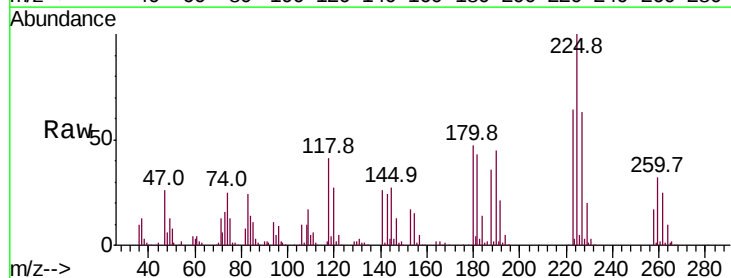
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

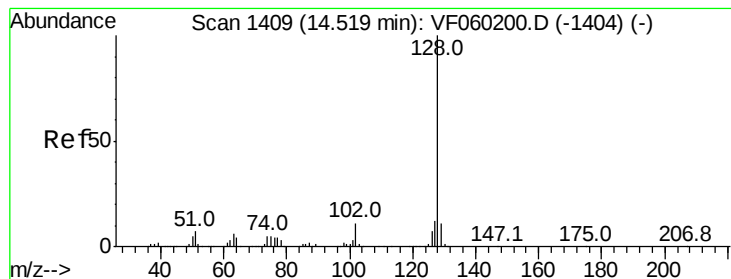
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.2	144.6
145	36.0	17.4	52.2



#94
 Hexachlorobutadiene
 Concen: 54.031 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VF060226.D
 Acq: 10 Sep 2018 10:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	32.3	96.8
227	63.0	32.4	97.0





#95

Naphthalene

Concen: 30.221 ug/l

RT: 14.52 min Scan# 1409

Delta R.T. 0.00 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

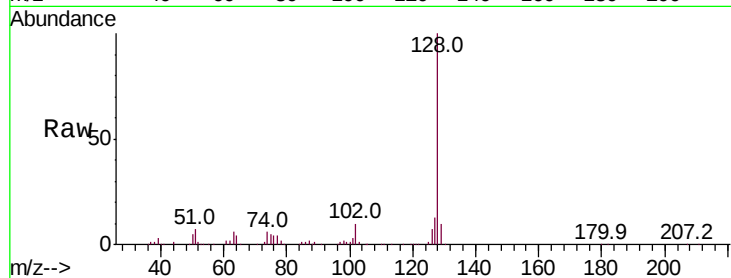
Tot Ion:128 Resp: 173369

Ion Ratio Lower Upper

128 100

127 12.6 9.9 14.9

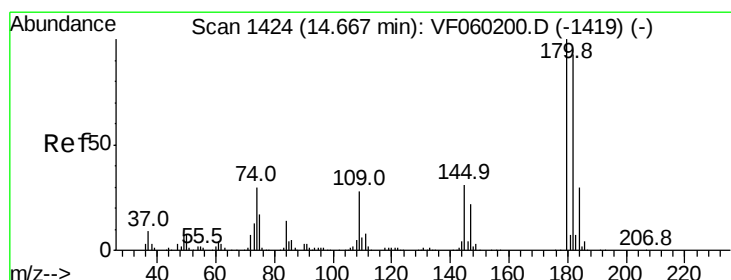
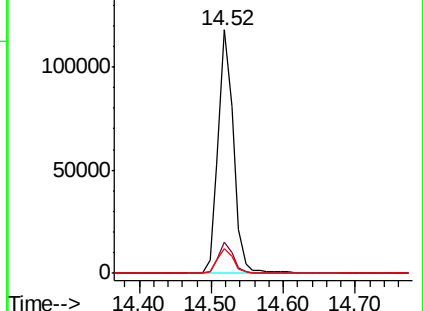
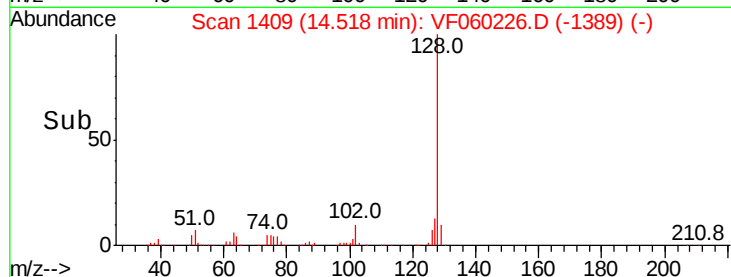
129 10.3 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 47.967 ug/l

RT: 14.67 min Scan# 1424

Delta R.T. -0.00 min

Lab File: VF060226.D

Acq: 10 Sep 2018 10:15

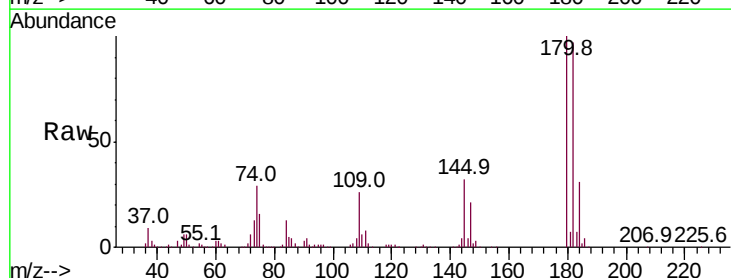
Tgt Ion:180 Resp: 171619

Ion Ratio Lower Upper

180 100

182 96.5 46.6 139.7

145 31.8 15.7 47.0



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

