

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082018\
 Data File : VF060000.D
 Acq On : 20 Aug 2018 13:59
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 21 04:24:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:11:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	123739	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	173171	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	179009	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	122063	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	123222	51.59	ug/l	0.00
Spiked Amount			Recovery	=	103.18%	
35) Dibromofluoromethane	4.30	113	92025	52.00	ug/l	0.00
Spiked Amount			Recovery	=	104.00%	
50) Toluene-d8	7.72	98	205538	52.22	ug/l	0.00
Spiked Amount			Recovery	=	104.44%	
62) 4-Bromofluorobenzene	11.51	95	131105	54.28	ug/l	0.00
Spiked Amount			Recovery	=	108.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.95	85	119737	57.05	ug/l	98
3) Chloromethane	1.07	50	72053	74.70	ug/l	# 88
4) Vinyl Chloride	1.12	62	79691	63.59	ug/l	95
5) Bromomethane	1.32	94	65848	59.28	ug/l	97
6) Chloroethane	1.39	64	37057	56.95	ug/l	95
7) Trichlorofluoromethane	1.49	101	204165	56.76	ug/l	100
8) Diethyl Ether	1.69	74	29372	55.35	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.86	101	96545	57.24	ug/l	98
10) Methyl Iodide	1.93	142	118213	55.55	ug/l	94
11) Tert butyl alcohol	2.67	59	34307	246.46	ug/l	# 87
12) 1,1-Dichloroethene	1.82	96	65852	56.62	ug/l	82
13) Acrolein	2.09	56	25476	279.78	ug/l	97
14) Allyl chloride	2.19	41	111668	56.59	ug/l	97
15) Acrylonitrile	3.06	53	61796	274.55	ug/l	98
16) Acetone	2.33	43	214863	327.90	ug/l	100
17) Carbon Disulfide	1.84	76	191473	51.79	ug/l	98
18) Methyl Acetate	2.44	43	57512	46.80	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	202514	52.91	ug/l	99
20) Methylene Chloride	2.28	84	72477	55.10	ug/l	96
21) trans-1,2-Dichloroethene	2.41	96	64935	52.01	ug/l	95
22) Diisopropyl ether	2.92	45	230667	54.66	ug/l	# 97
23) Vinyl Acetate	3.33	43	610187	359.08	ug/l	99
24) 1,1-Dichloroethane	2.99	63	153179	55.34	ug/l	98
25) 2-Butanone	4.50	43	147984	256.29	ug/l	94
26) 2,2-Dichloropropane	3.74	77	143691	58.60	ug/l	96
27) cis-1,2-Dichloroethene	3.64	96	57383	50.26	ug/l	88
28) Bromochloromethane	3.89	49	39206	49.36	ug/l	88
29) Tetrahydrofuran	4.25	42	51497	249.90	ug/l	95
30) Chloroform	4.03	83	167936	52.48	ug/l	94
31) Cyclohexane	3.86	56	62554	49.37	ug/l	98
32) 1,1,1-Trichloroethane	4.28	97	165836	53.10	ug/l	95
36) 1,1-Dichloropropene	4.45	75	96644	49.00	ug/l	96
37) Ethyl Acetate	4.29	43	56413	51.75	ug/l	91
38) Carbon Tetrachloride	4.17	117	154359	54.56	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082018\
 Data File : VF060000.D
 Acq On : 20 Aug 2018 13:59
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 21 04:24:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:11:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	72500	49.00	µg/l	97
40) Benzene	4.81	78	172689	51.73	µg/l	92
41) Methacrylonitrile	4.92	41	26085	49.97	µg/l #	91
42) 1,2-Dichloroethane	5.11	62	150516	53.16	µg/l	97
43) Isopropyl Acetate	7.11	43	63335	52.78	µg/l #	96
44) Trichloroethene	5.68	130	64935	49.84	µg/l	94
45) 1,2-Dichloropropane	6.40	63	48277	50.55	µg/l	98
46) Dibromomethane	6.26	93	48929	51.95	µg/l	91
47) Bromodichloromethane	6.55	83	137552	54.10	µg/l	98
48) Methyl methacrylate	6.87	41	45764	51.24	µg/l	98
49) 1,4-Dioxane	6.87	88	7499	959.17	µg/l #	70
51) 4-Methyl-2-Pentanone	8.41	43	295935	264.02	µg/l	100
52) Toluene	7.78	92	127445	51.01	µg/l	96
53) t-1,3-Dichloropropene	8.43	75	116348	54.25	µg/l	95
54) cis-1,3-Dichloropropene	7.46	75	113372	54.75	µg/l	95
55) 1,1,2-Trichloroethane	8.64	97	53225	53.10	µg/l	92
56) Ethyl methacrylate	8.76	69	63704	54.85	µg/l	97
57) 1,3-Dichloropropane	9.00	76	94708	53.01	µg/l	98
58) 2-Chloroethyl Vinyl ether	7.78	63	32055	329.10	µg/l	100
59) 2-Hexanone	9.63	43	250493	270.65	µg/l	100
60) Dibromochloromethane	8.86	129	98736	53.90	µg/l	95
61) 1,2-Dibromoethane	9.14	107	65458	52.34	µg/l	94
64) Tetrachloroethene	8.31	164	68496	50.22	µg/l	92
65) Chlorobenzene	9.94	112	186749	52.86	µg/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	85228	52.43	µg/l	95
67) Ethyl Benzene	10.04	91	338709	52.80	µg/l	100
68) m/p-Xylenes	10.27	106	237413	106.82	µg/l	91
69) o-Xylene	10.83	106	124737	54.75	µg/l	93
70) Styrene	10.90	104	195408	53.53	µg/l	100
71) Bromoform	10.89	173	63811	53.10	µg/l	96
73) Isopropylbenzene	11.23	105	410867	56.15	µg/l	99
74) N-amyl acetate	11.46	43	118870	57.24	µg/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	75177	52.32	µg/l	94
76) 1,2,3-Trichloropropane	11.89	75	65136	51.19	µg/l	98
77) Bromobenzene	11.60	156	105187	51.54	µg/l	88
78) n-propylbenzene	11.69	91	477206	52.53	µg/l	100
79) 2-Chlorotoluene	11.82	91	289588	52.47	µg/l	95
80) 1,3,5-Trimethylbenzene	11.92	105	364580	55.10	µg/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	38069	70.88	µg/l	94
82) 4-Chlorotoluene	11.99	91	330045	54.65	µg/l	93
83) tert-Butylbenzene	12.22	119	366923	56.45	µg/l	94
84) 1,2,4-Trimethylbenzene	12.29	105	374619	53.77	µg/l	100
85) sec-Butylbenzene	12.39	105	471194	54.84	µg/l	96
86) p-Isopropyltoluene	12.54	119	420012	55.27	µg/l	98
87) 1,3-Dichlorobenzene	12.56	146	206238	52.94	µg/l	99
88) 1,4-Dichlorobenzene	12.64	146	204658	53.66	µg/l	96
89) n-Butylbenzene	12.92	91	405901	55.27	µg/l	98
90) Hexachloroethane	13.00	117	96645	56.46	µg/l	85
91) 1,2-Dichlorobenzene	13.02	146	194421	52.14	µg/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	22153	55.75	µg/l	73

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF082018\
Data File : VF060000.D
Acq On : 20 Aug 2018 13:59
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Quant Time: Aug 21 04:24:24 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:11:02 2018
Response via : Initial Calibration

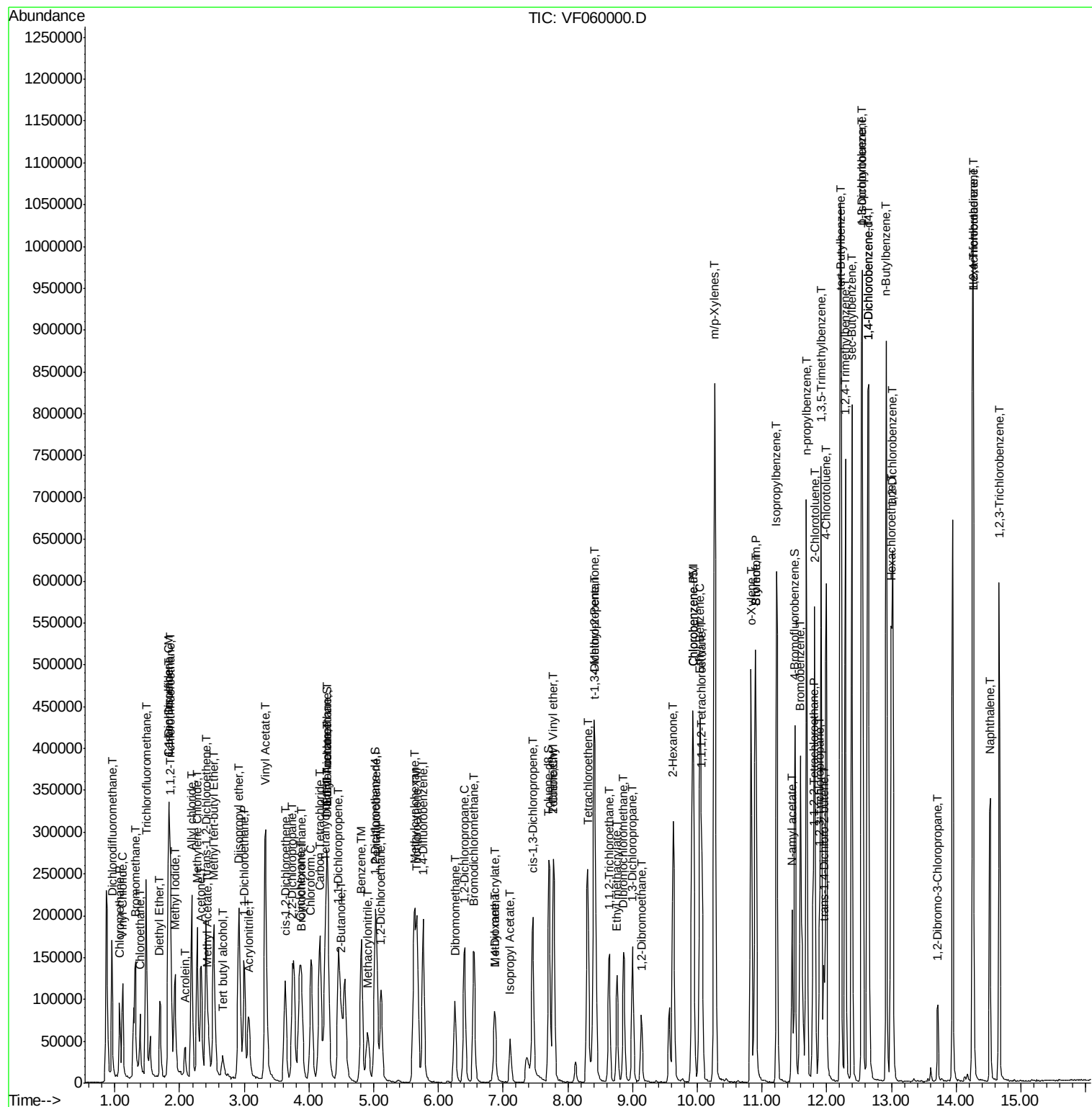
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	167262	54.97	ug/l	97
94) Hexachlorobutadiene	14.25	225	109646	53.79	ug/l	94
95) Naphthalene	14.53	128	257528	60.13	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	161339	55.00	ug/l	98

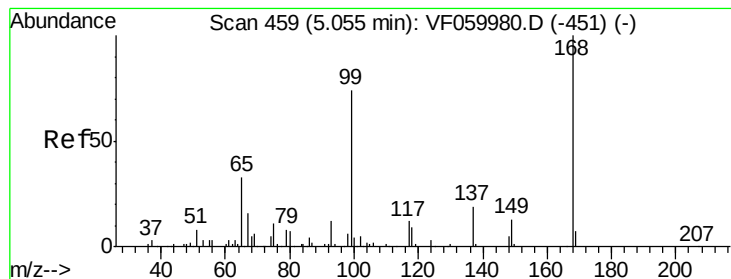
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF082018\
 Data File : VF060000.D
 Acq On : 20 Aug 2018 13:59
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 21 04:24:24 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:11:02 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

Instrument :

MSVOA_F

ClientSampleId :

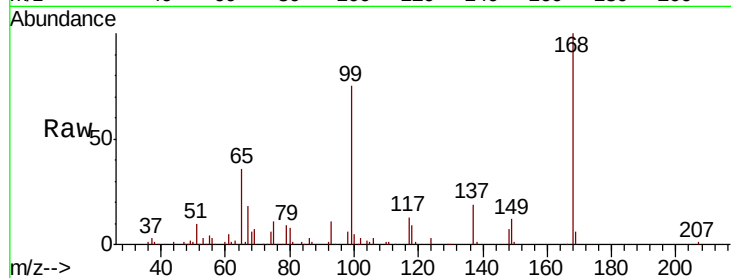
VSTDCCC050

Tot Ion:168 Resp: 123739

Ion Ratio Lower Upper

168 100

99 75.2 59.0 88.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

40000

30000

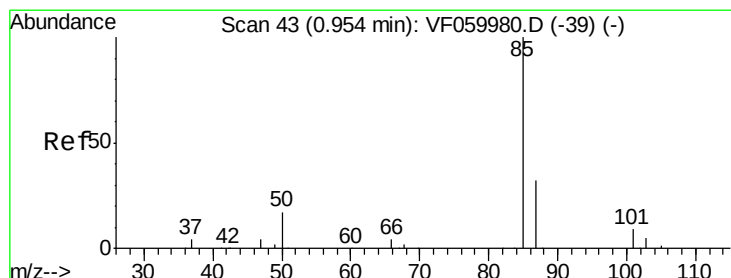
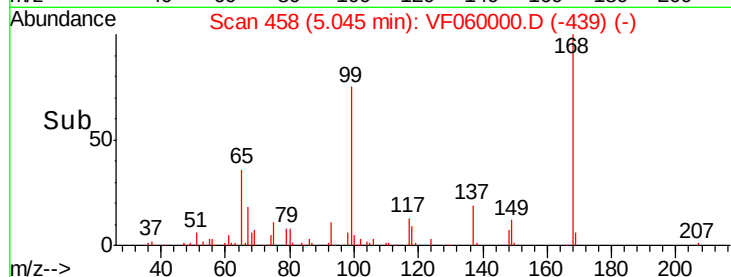
20000

10000

0

4.90 5.00 5.10 5.20 5.30

Time-->



#2

Dichlorodifluoromethane

Concen: 57.05 ug/l

RT: 0.95 min Scan# 43

Delta R.T. 0.00 min

Lab File: VF060000.D

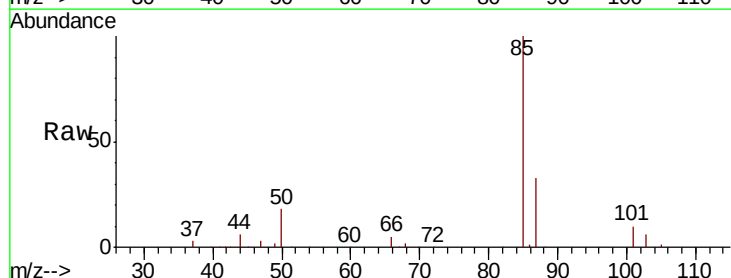
Acq: 20 Aug 2018 13:59

Tgt Ion: 85 Resp: 119737

Ion Ratio Lower Upper

85 100

87 32.7 15.9 47.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

100000

80000

60000

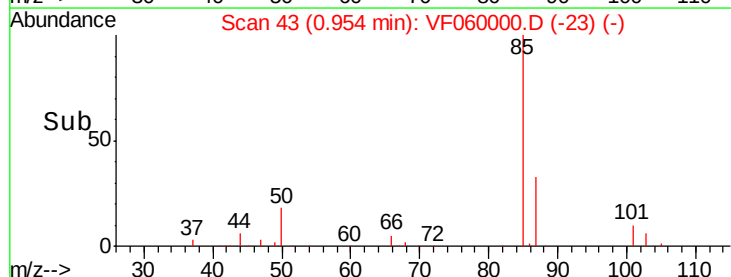
40000

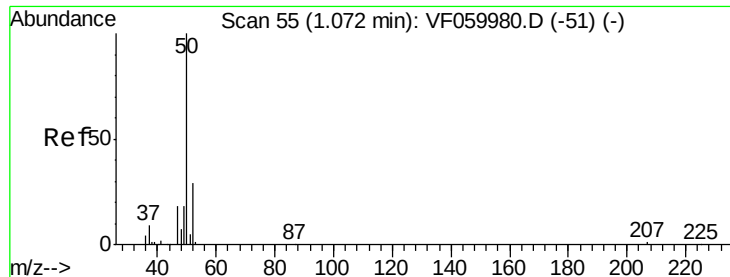
20000

0

0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 74.70 ug/l

RT: 1.07 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

Instrument :

MSVOA_F

ClientSampleId :

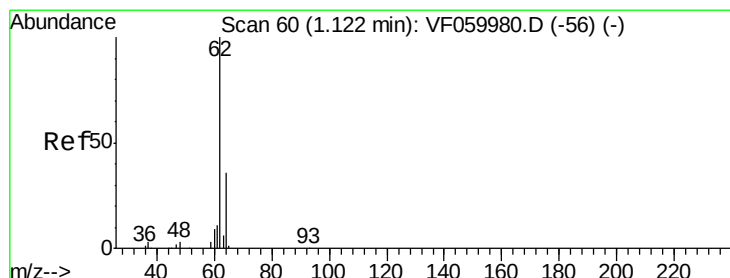
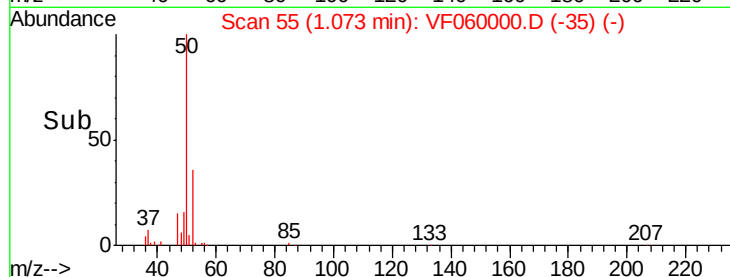
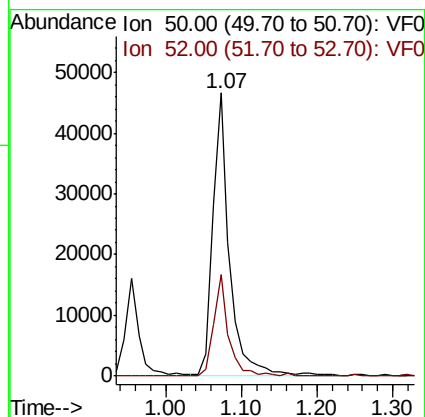
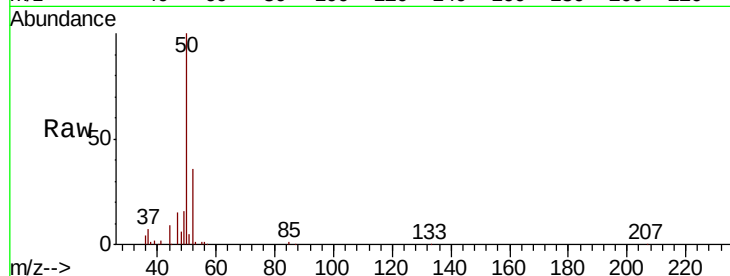
VSTDCCC050

Tot Ion: 50 Resp: 72053

Ion Ratio Lower Upper

50 100

52 36.0 23.6 35.4#



#4

Vinyl Chloride

Concen: 63.59 ug/l

RT: 1.12 min Scan# 60

Delta R.T. 0.00 min

Lab File: VF060000.D

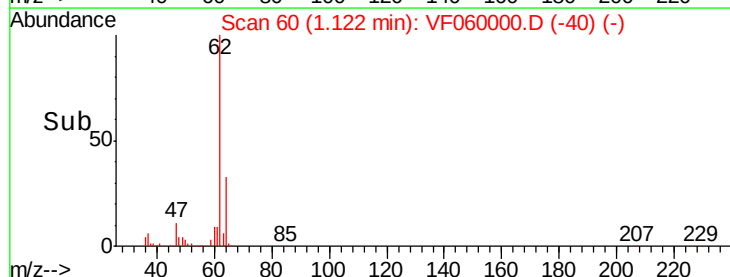
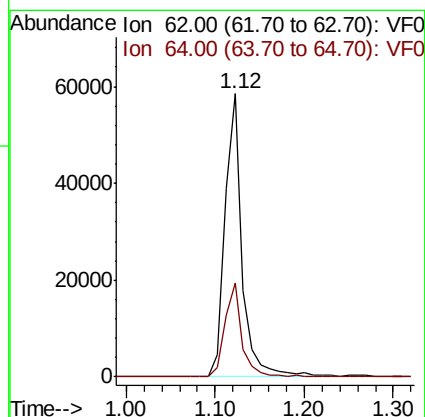
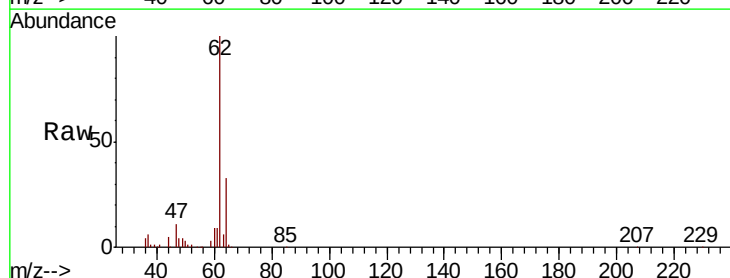
Acq: 20 Aug 2018 13:59

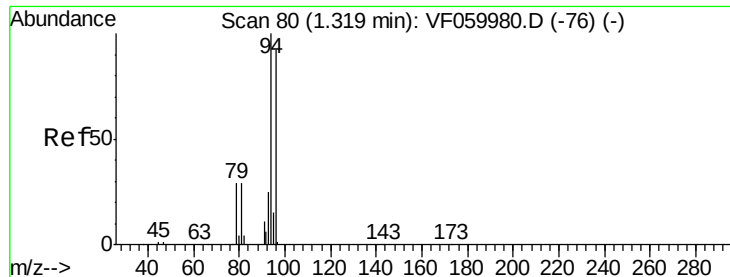
Tgt Ion: 62 Resp: 79691

Ion Ratio Lower Upper

62 100

64 33.1 28.7 43.1





#5

Bromomethane

Concen: 59.28 ug/l

RT: 1.32 min Scan# 80

Delta R.T. 0.00 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

Instrument :

MSVOA_F

ClientSampleId :

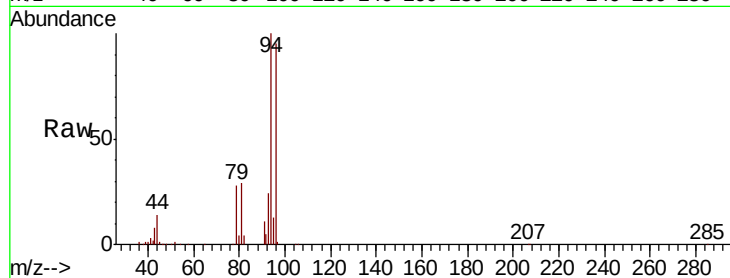
VSTDCCC050

Tot Ion: 94 Resp: 65848

Ion Ratio Lower Upper

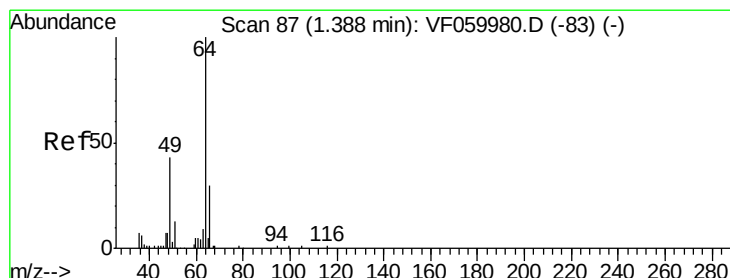
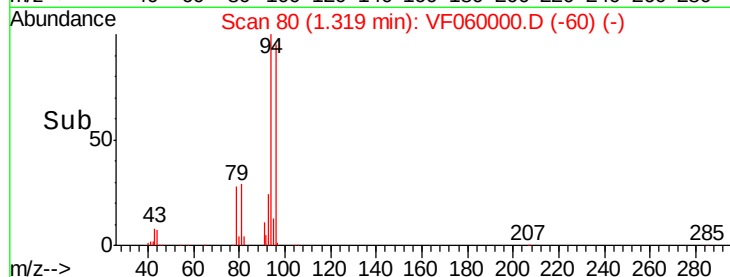
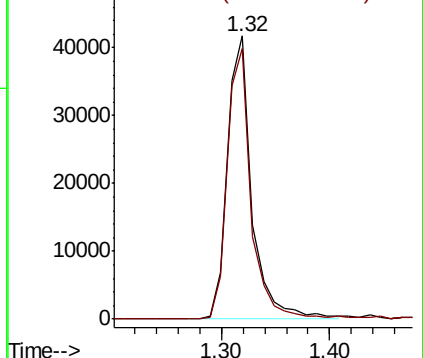
94 100

96 95.4 73.9 110.9



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 56.95 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.00 min

Lab File: VF060000.D

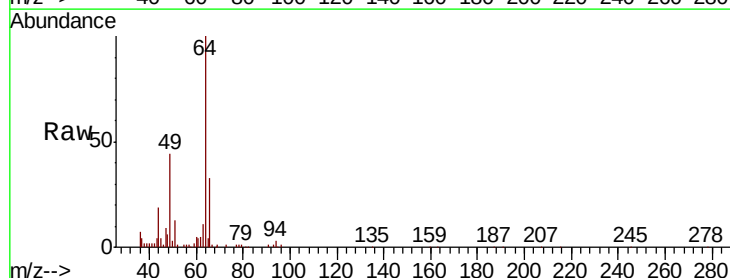
Acq: 20 Aug 2018 13:59

Tgt Ion: 64 Resp: 37057

Ion Ratio Lower Upper

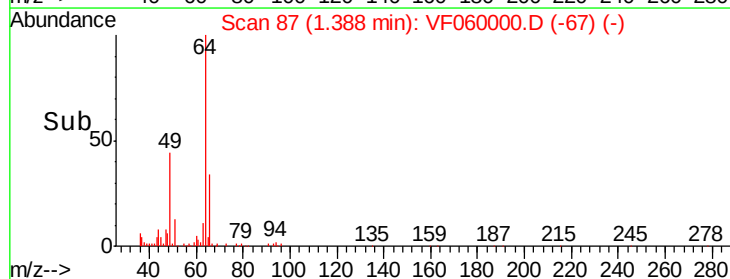
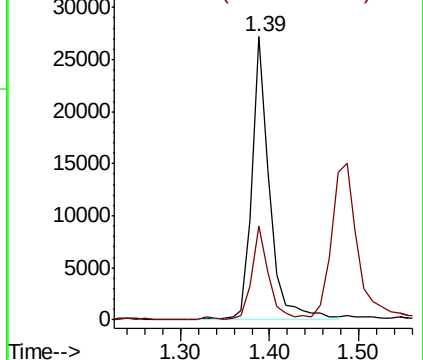
64 100

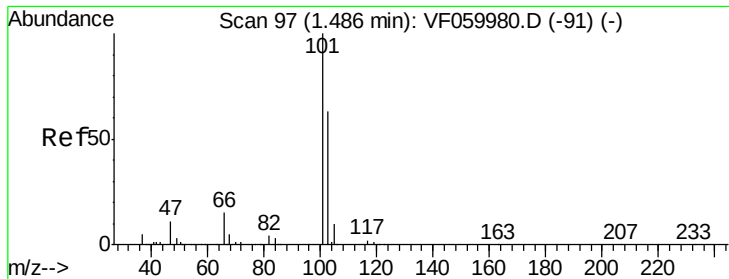
66 33.3 24.4 36.6



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 56.76 ug/l

RT: 1.49 min Scan# 97

Delta R.T. 0.00 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

Instrument :

MSVOA_F

ClientSampleId :

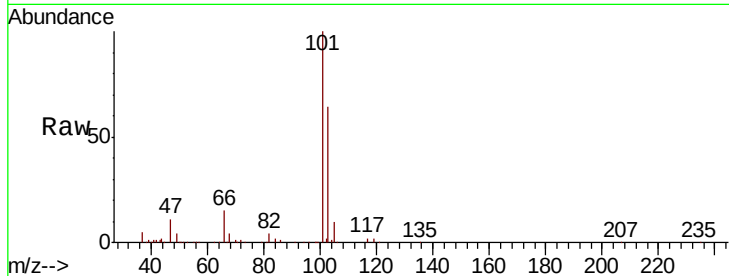
VSTDCCC050

Tot Ion:101 Resp: 204165

Ion Ratio Lower Upper

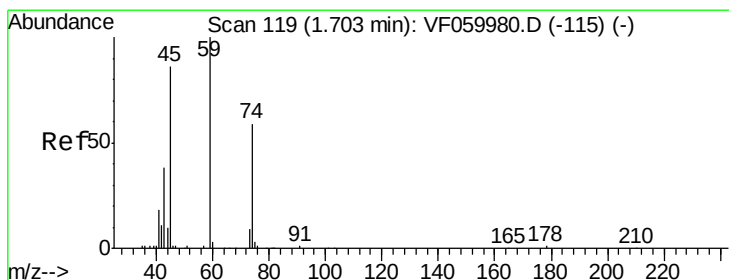
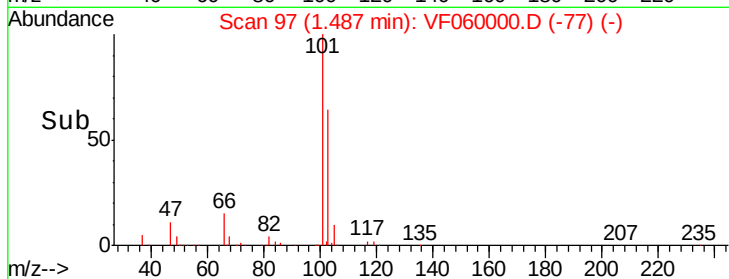
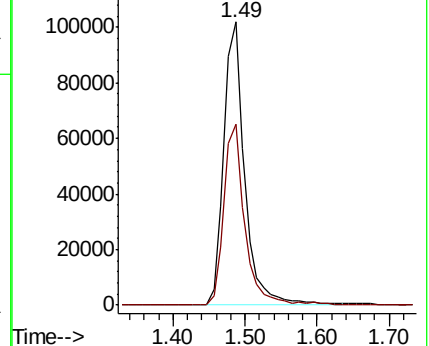
101 100

103 63.9 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 55.35 ug/l

RT: 1.69 min Scan# 118

Delta R.T. -0.01 min

Lab File: VF060000.D

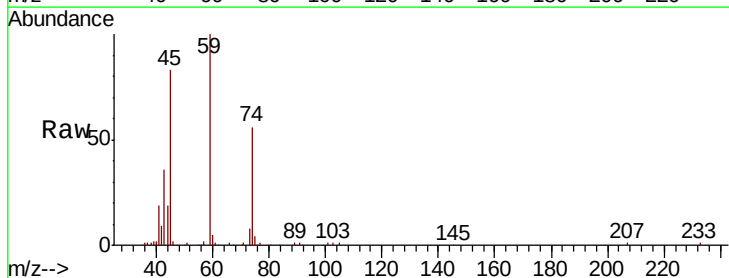
Acq: 20 Aug 2018 13:59

Tgt Ion: 74 Resp: 29372

Ion Ratio Lower Upper

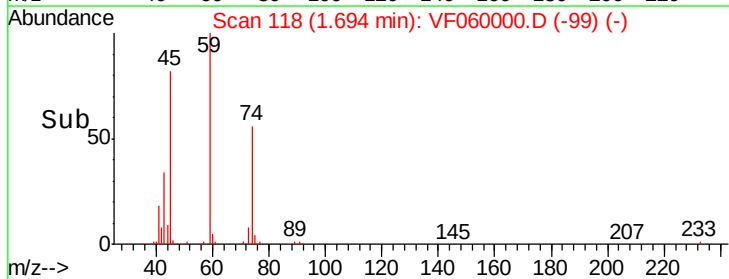
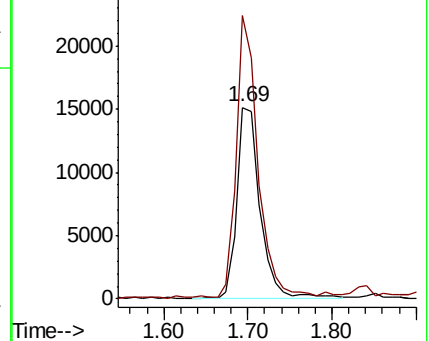
74 100

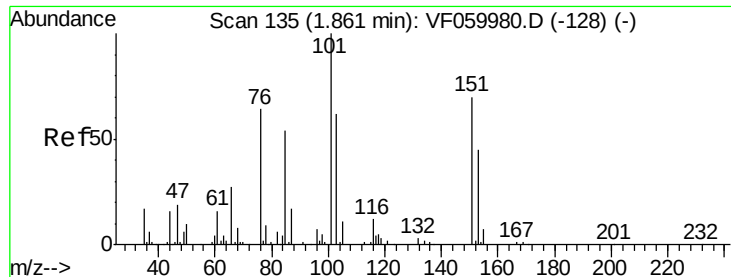
45 147.8 73.5 220.3



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.24 ug/l

RT: 1.86 min Scan# 135

Delta R.T. 0.00 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

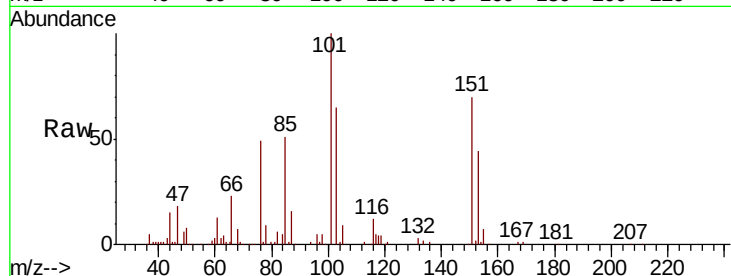
Tot Ion:101 Resp: 96545

Ion Ratio Lower Upper

101 100

85 51.5 43.0 64.6

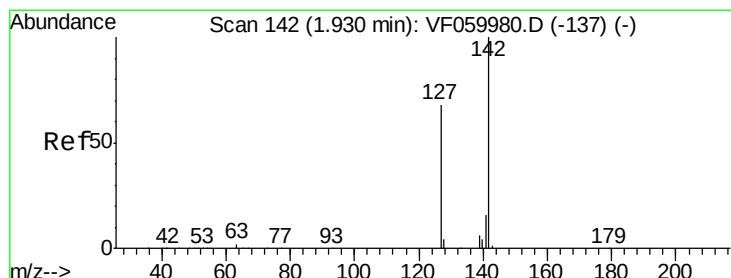
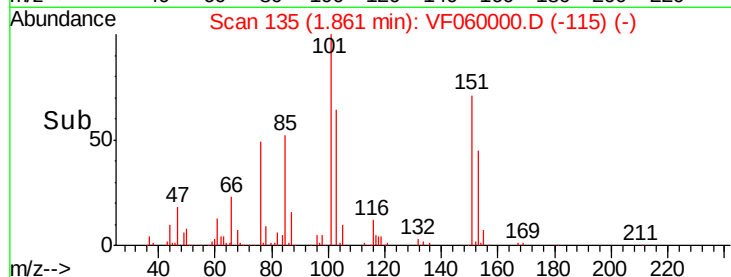
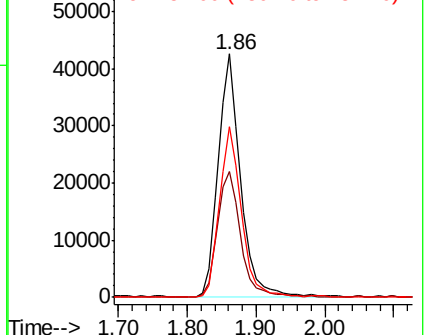
151 70.1 56.2 84.2



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: 55.55 ug/l

RT: 1.93 min Scan# 142

Delta R.T. 0.00 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

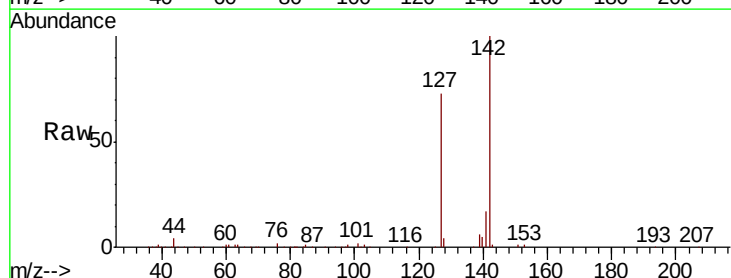
Tgt Ion:142 Resp: 118213

Ion Ratio Lower Upper

142 100

127 73.2 54.1 81.1

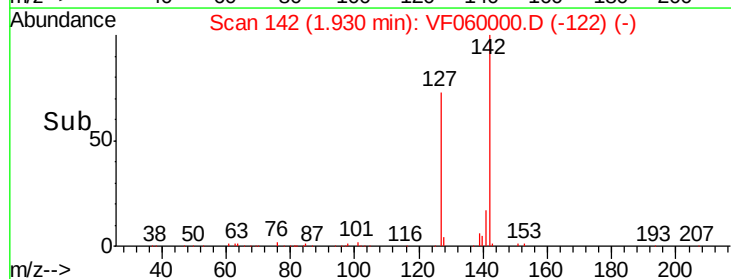
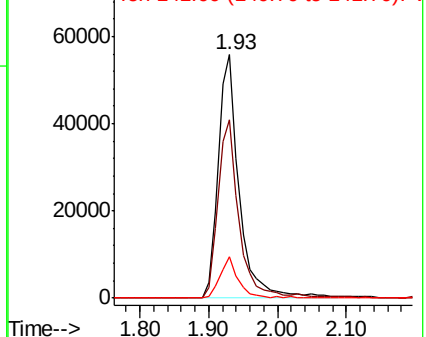
141 16.8 12.5 18.7

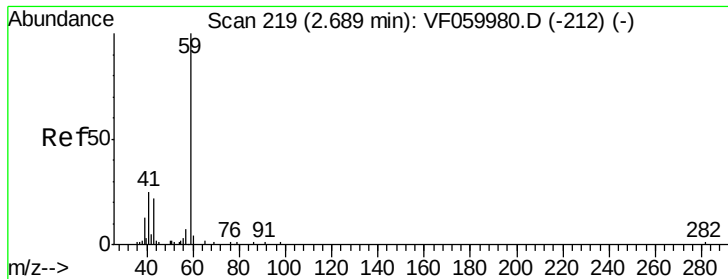


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



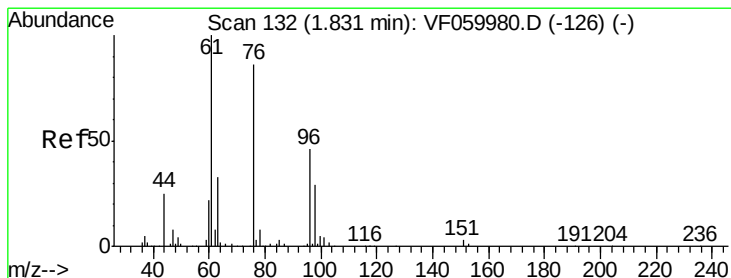
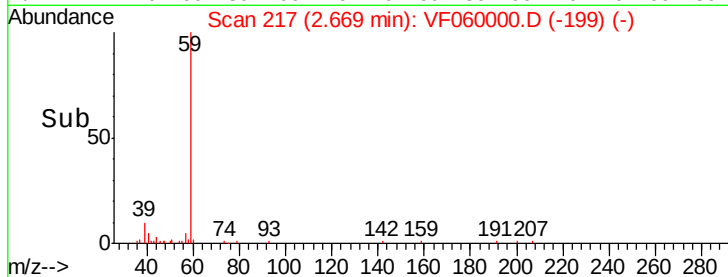
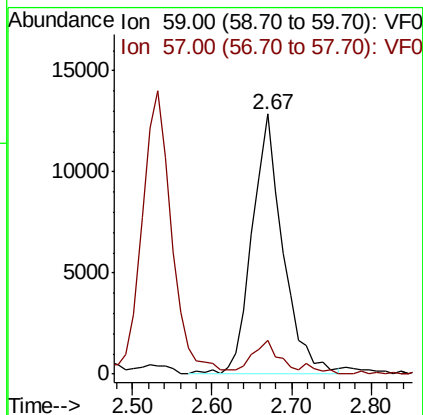
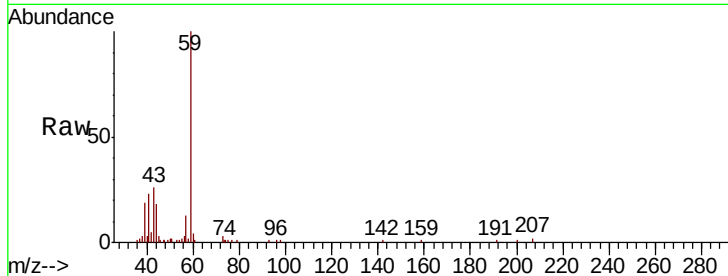


#11

Tert butyl alcohol
 Concen: 246.46 ug/l
 RT: 2.67 min Scan# 217
 Delta R.T. -0.02 min
 Lab File: VF060000.D
 Acq: 20 Aug 2018 13:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

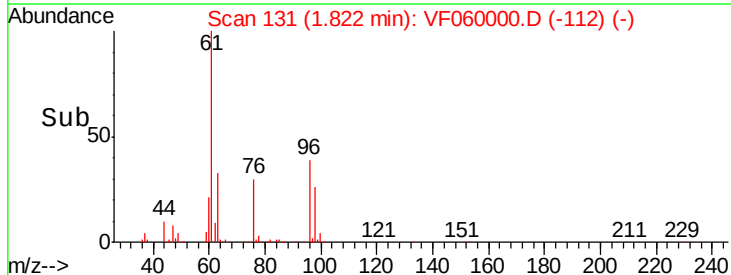
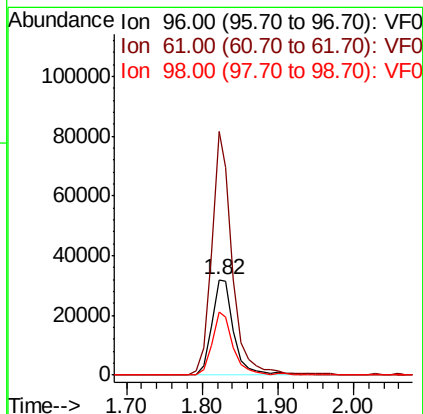
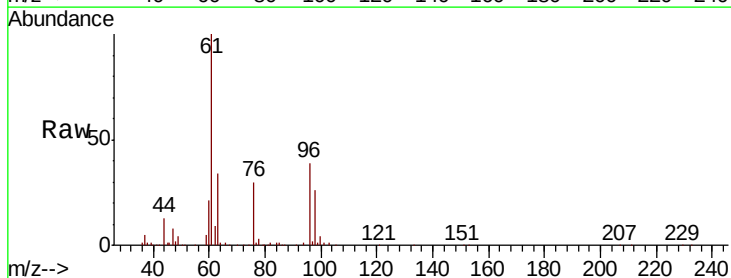
Tot Ion: 59 Resp: 34307
 Ion Ratio Lower Upper
 59 100
 57 13.0 6.8 10.2#

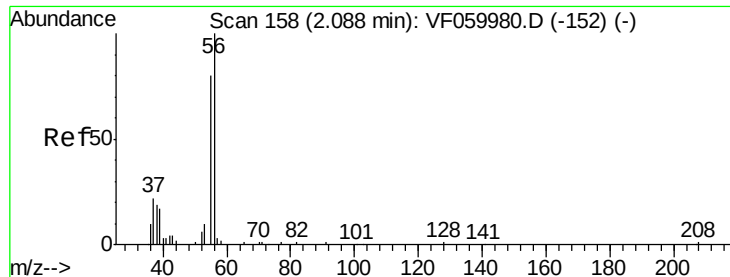


#12

1,1-Dichloroethene
 Concen: 56.62 ug/l
 RT: 1.82 min Scan# 131
 Delta R.T. -0.01 min
 Lab File: VF060000.D
 Acq: 20 Aug 2018 13:59

Tgt Ion: 96 Resp: 65852
 Ion Ratio Lower Upper
 96 100
 61 255.7 175.6 263.4
 98 65.7 50.6 75.8





#13

Acrolein

Concen: 279.78 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

Instrument :

MSVOA_F

ClientSampleId :

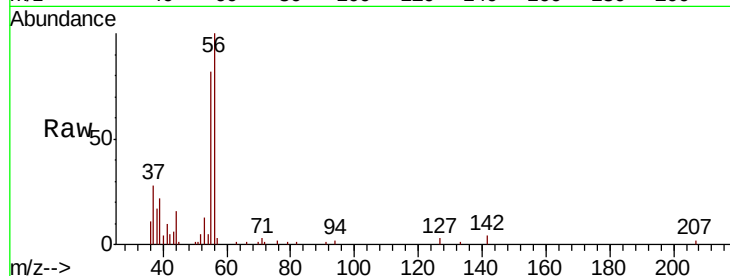
VSTDCCC050

Tot Ion: 56 Resp: 25476

Ion Ratio Lower Upper

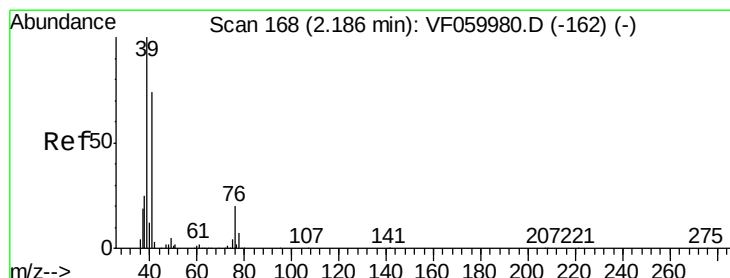
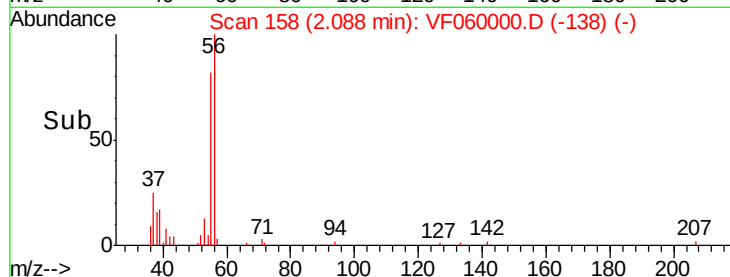
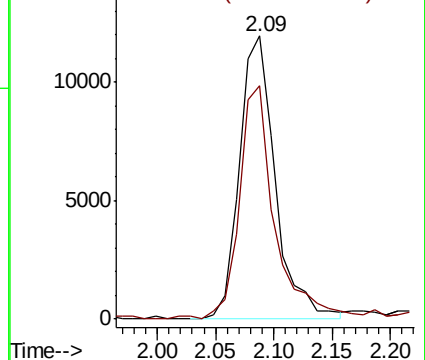
56 100

55 82.3 63.8 95.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 56.59 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

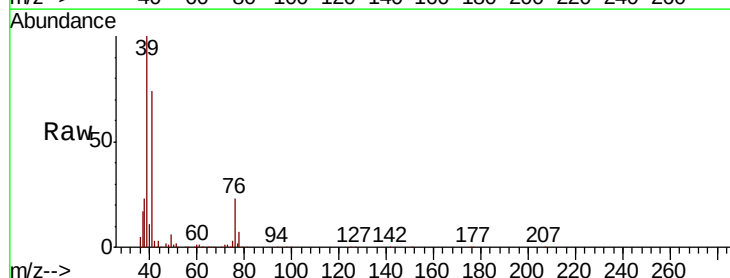
Tgt Ion: 41 Resp: 111668

Ion Ratio Lower Upper

41 100

39 134.8 109.3 163.9

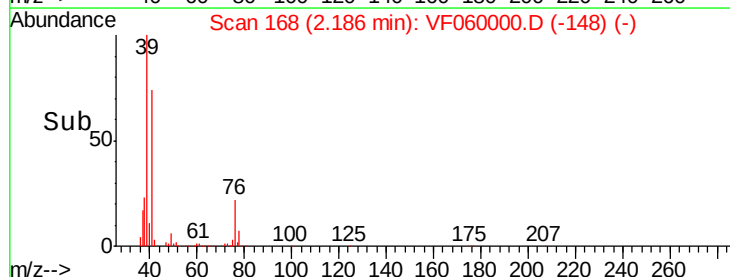
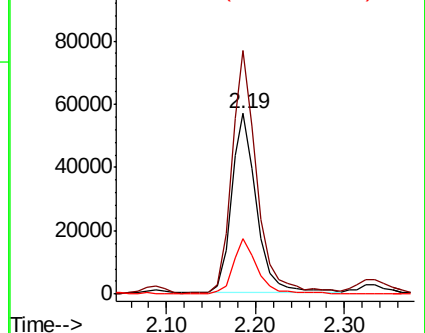
76 30.9 21.3 31.9

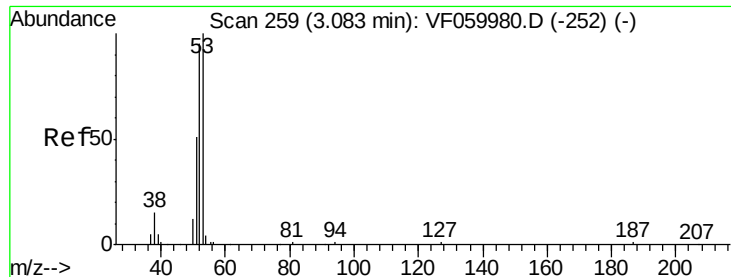


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

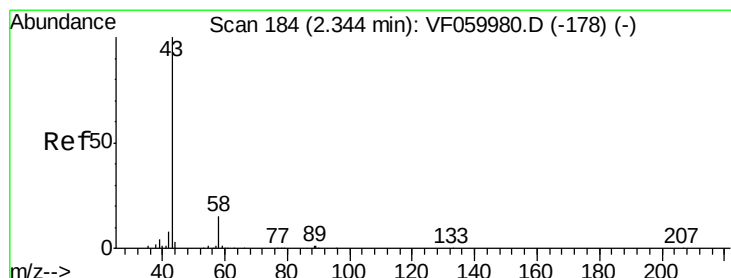
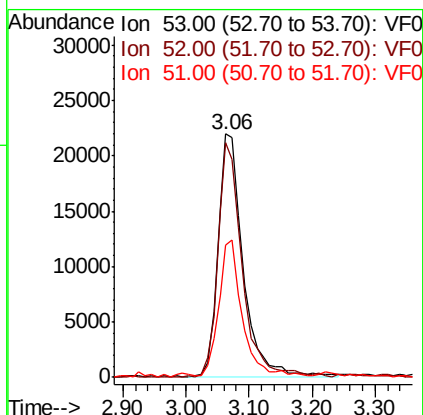
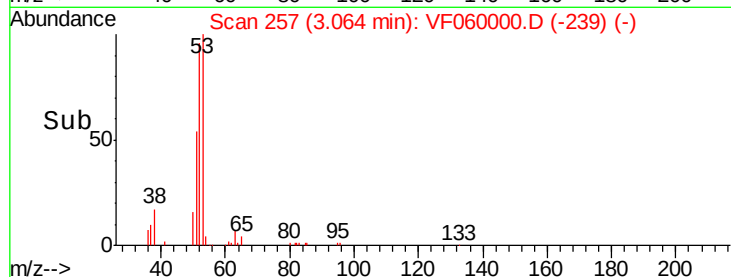
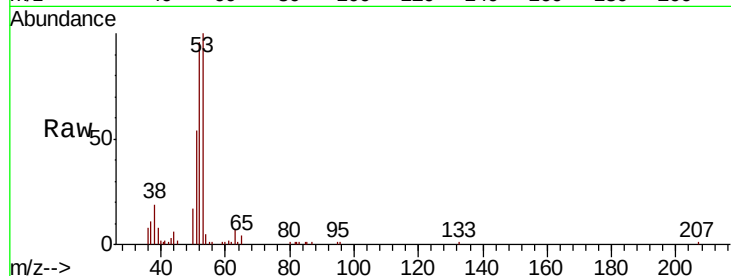




#15
 Acrylonitrile
 Concen: 274.55 ug/l
 RT: 3.06 min Scan# 257
 Delta R.T. -0.02 min
 Lab File: VF060000.D
 Acq: 20 Aug 2018 13:59

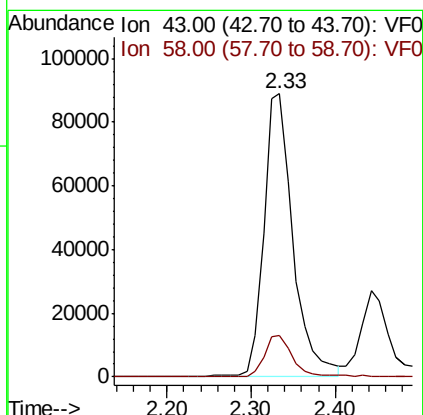
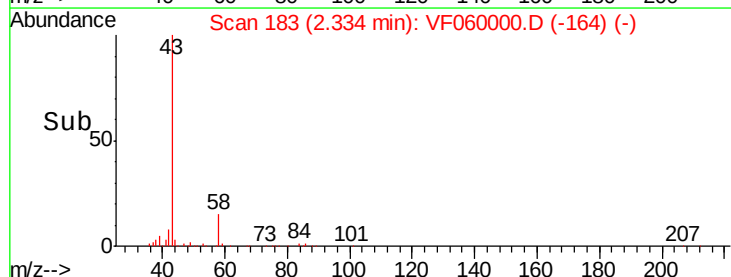
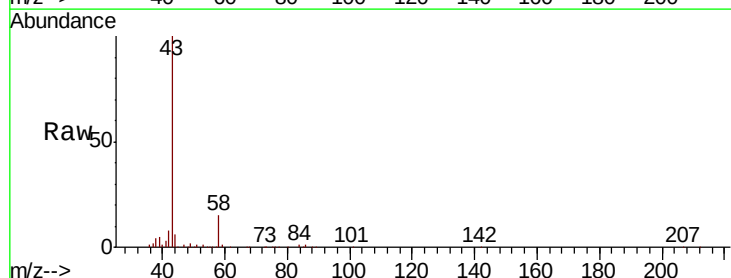
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

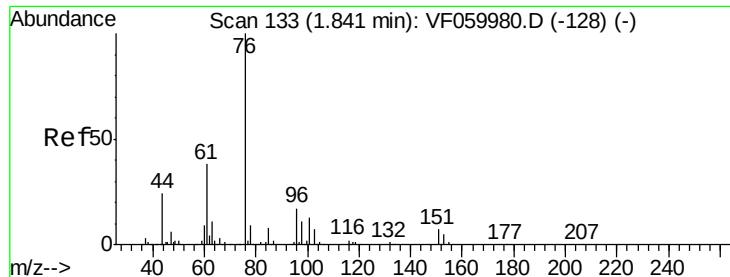
Tot Ion: 53 Resp: 61796
 Ion Ratio Lower Upper
 53 100
 52 96.4 76.0 114.0
 51 54.4 41.9 62.9



#16
 Acetone
 Concen: 327.90 ug/l
 RT: 2.33 min Scan# 183
 Delta R.T. -0.01 min
 Lab File: VF060000.D
 Acq: 20 Aug 2018 13:59

Tgt Ion: 43 Resp: 214863
 Ion Ratio Lower Upper
 43 100
 58 14.7 11.9 17.9





#17

Carbon Disulfide

Concen: 51.79 ug/l

RT: 1.84 min Scan# 133

Delta R.T. 0.00 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

Instrument :

MSVOA_F

ClientSampleId :

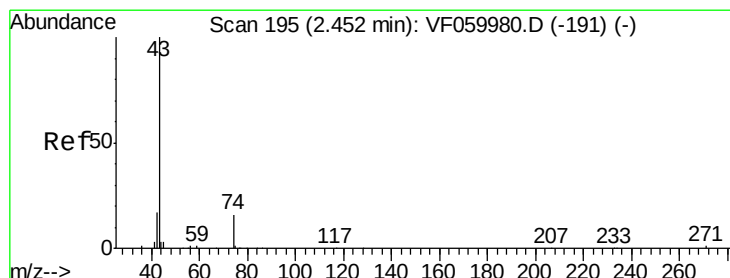
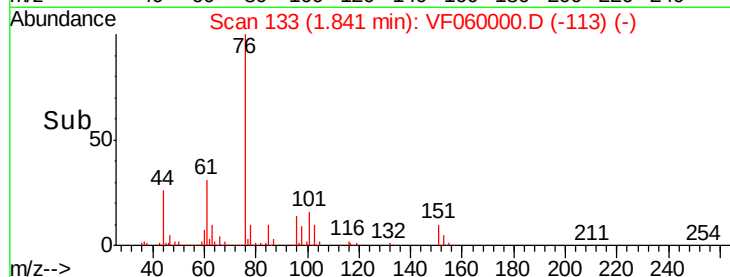
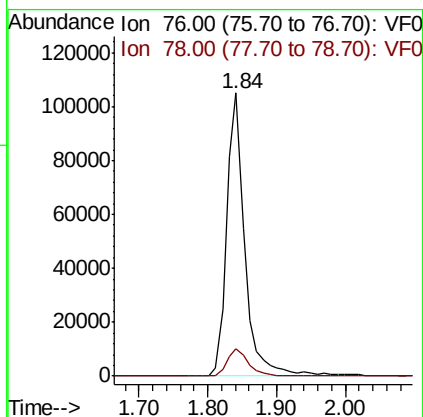
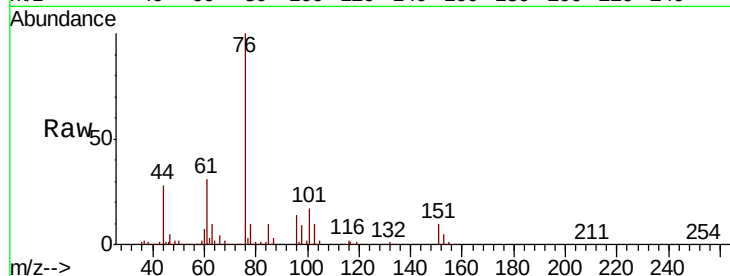
VSTDCCC050

Tot Ion: 76 Resp: 191473

Ion Ratio Lower Upper

76 100

78 9.8 7.2 10.8



#18

Methyl Acetate

Concen: 46.80 ug/l

RT: 2.44 min Scan# 194

Delta R.T. -0.01 min

Lab File: VF060000.D

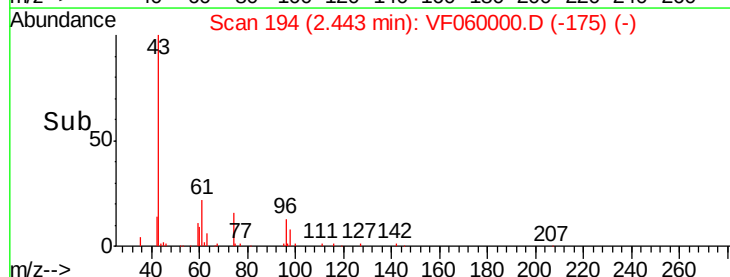
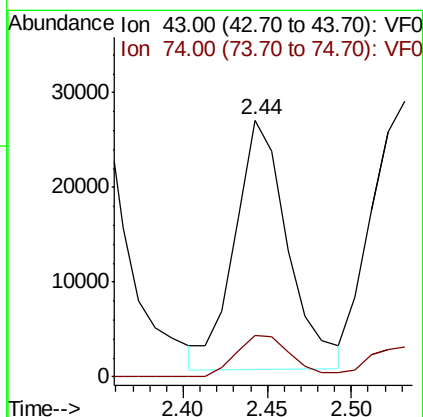
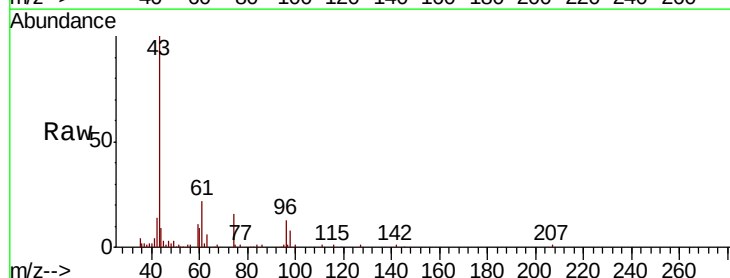
Acq: 20 Aug 2018 13:59

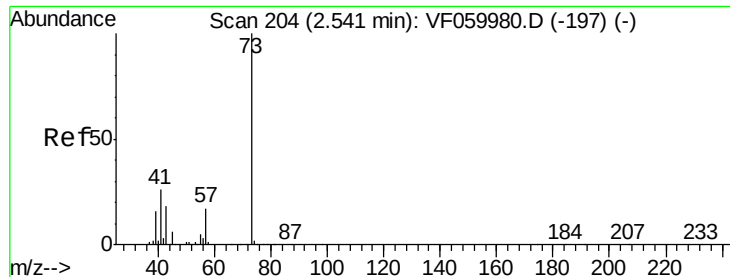
Tgt Ion: 43 Resp: 57512

Ion Ratio Lower Upper

43 100

74 16.2 12.3 18.5



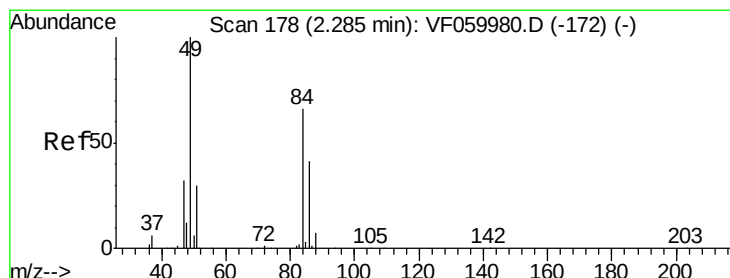
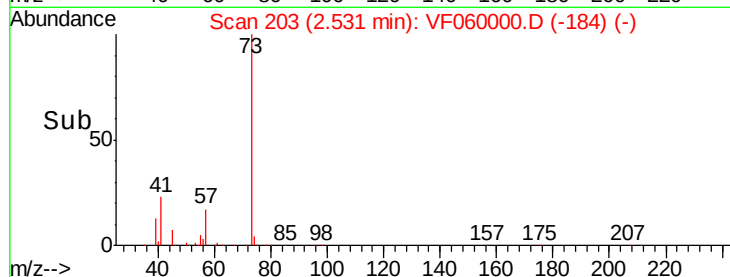
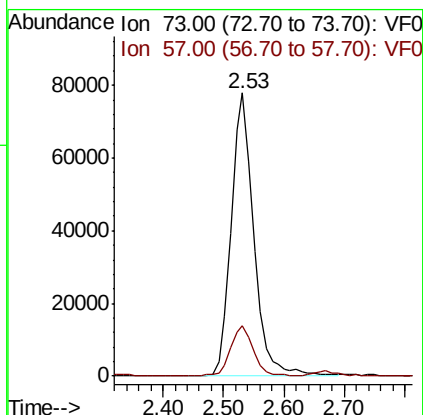
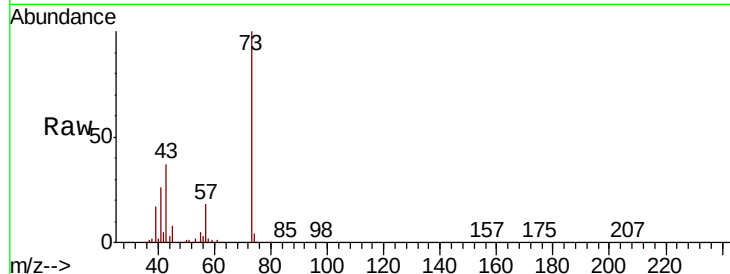


#19

Methyl tert-butyl Ether
 Concen: 52.91 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. -0.01 min
 Lab File: VF060000.D
 Acq: 20 Aug 2018 13:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

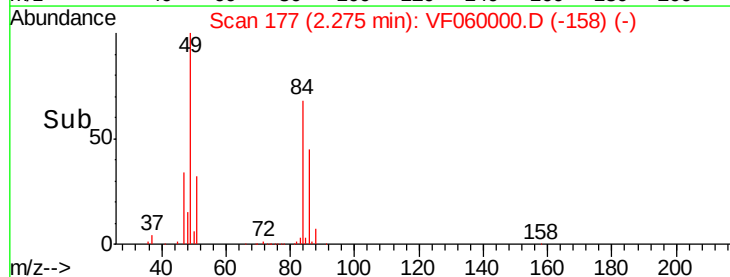
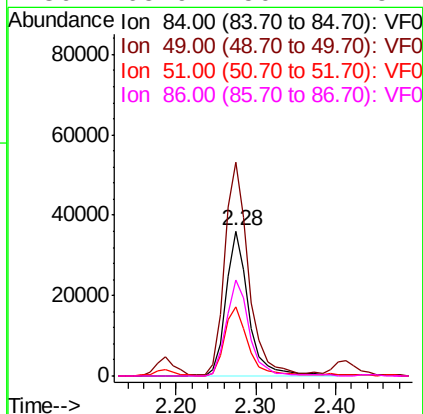
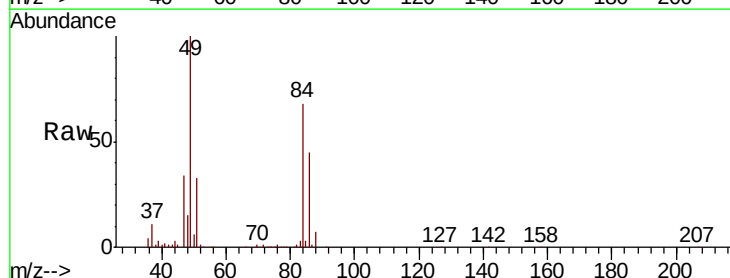
Tot Ion: 73 Resp: 202514
 Ion Ratio Lower Upper
 73 100
 57 18.0 14.2 21.2

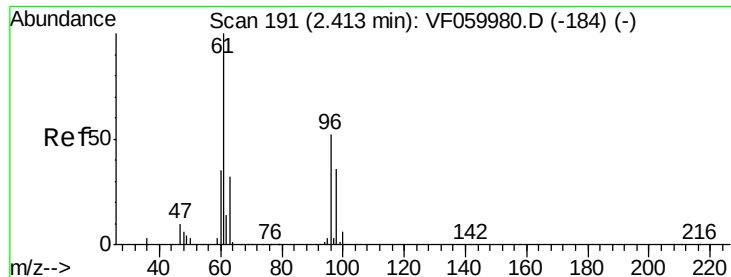


#20

Methylene Chloride
 Concen: 55.10 ug/l
 RT: 2.28 min Scan# 177
 Delta R.T. -0.01 min
 Lab File: VF060000.D
 Acq: 20 Aug 2018 13:59

Tgt Ion: 84 Resp: 72477
 Ion Ratio Lower Upper
 84 100
 49 147.4 122.5 183.7
 51 47.9 37.1 55.7
 86 65.9 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 52.01 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

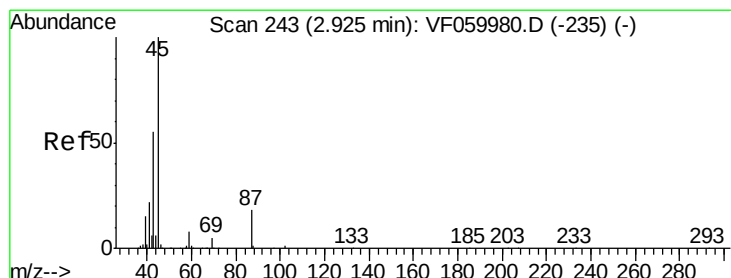
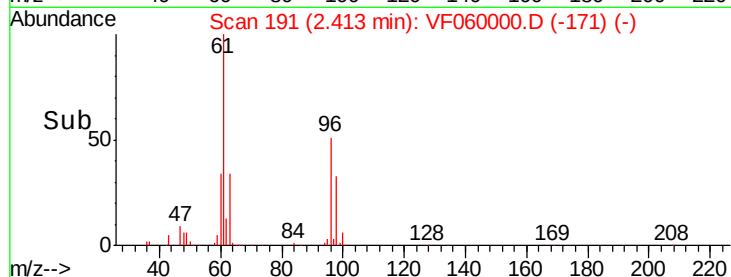
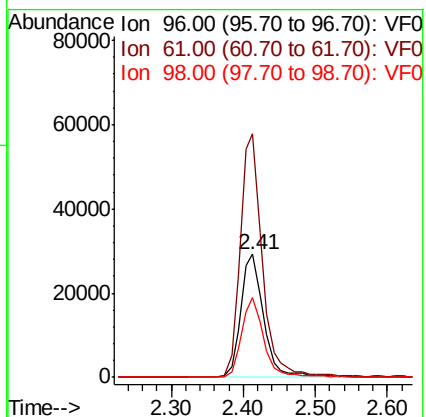
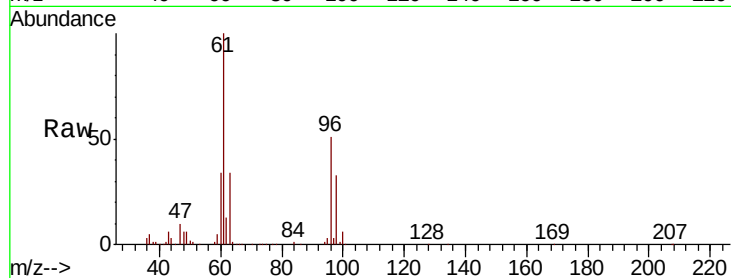
Tot Ion: 96 Resp: 64935

Ion Ratio Lower Upper

96 100

61 197.7 153.0 229.4

98 64.9 55.5 83.3



#22

Diisopropyl ether

Concen: 54.66 ug/l

RT: 2.92 min Scan# 242

Delta R.T. -0.01 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

Tgt Ion: 45 Resp: 230667

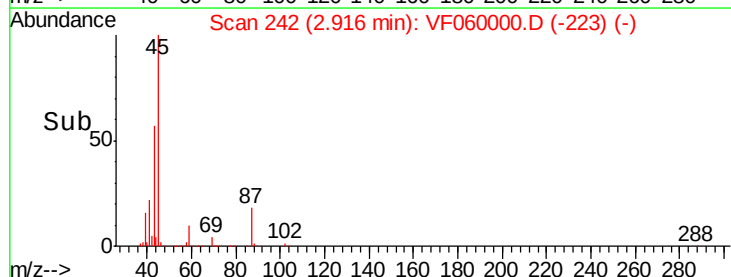
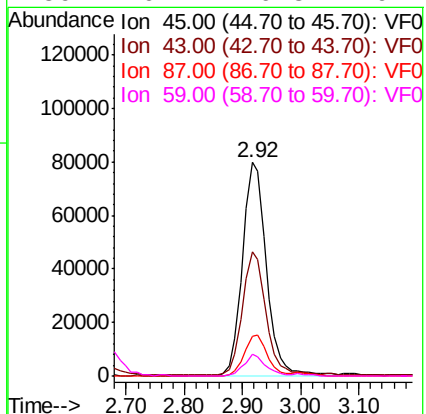
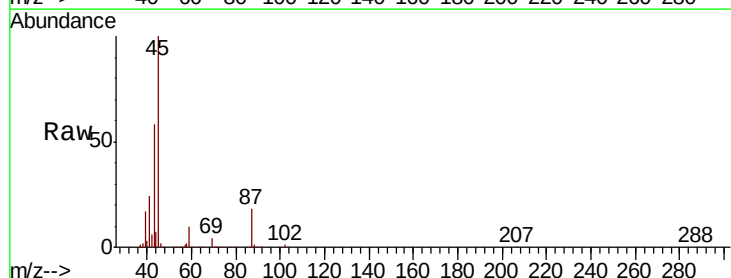
Ion Ratio Lower Upper

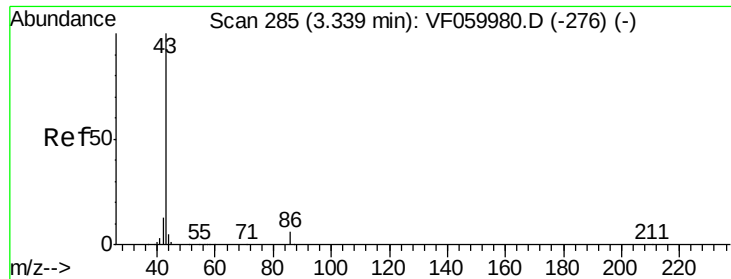
45 100

43 58.0 44.8 67.2

87 18.4 14.6 21.8

59 10.4 6.8 10.2#





#23

Vinyl Acetate

Concen: 359.08 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.01 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

Instrument :

MSVOA_F

ClientSampleId :

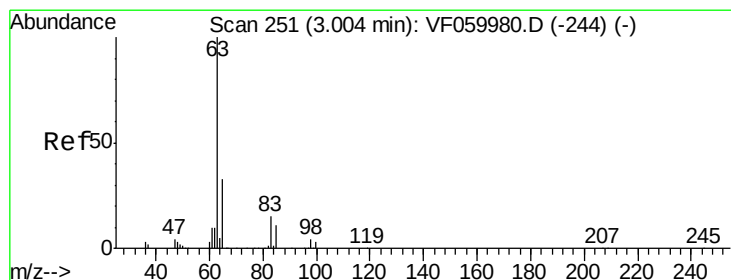
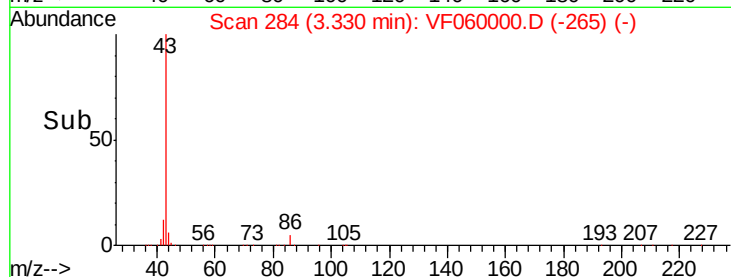
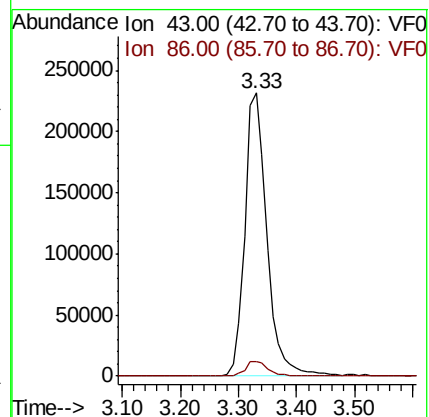
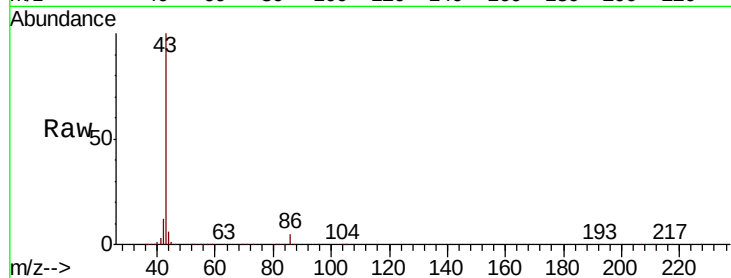
VSTDCCC050

Tot Ion: 43 Resp: 610187

Ion Ratio Lower Upper

43 100

86 5.3 4.4 6.6



#24

1,1-Dichloroethane

Concen: 55.34 ug/l

RT: 2.99 min Scan# 250

Delta R.T. -0.01 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

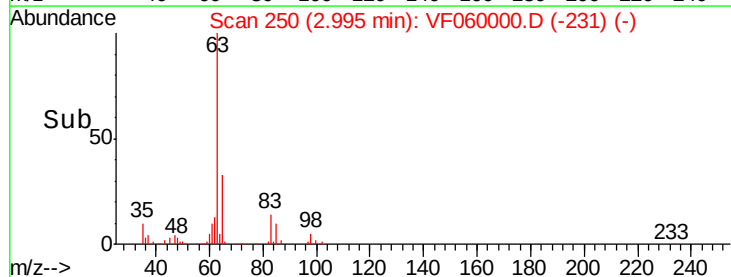
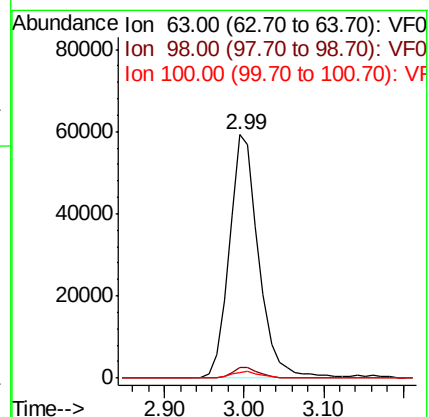
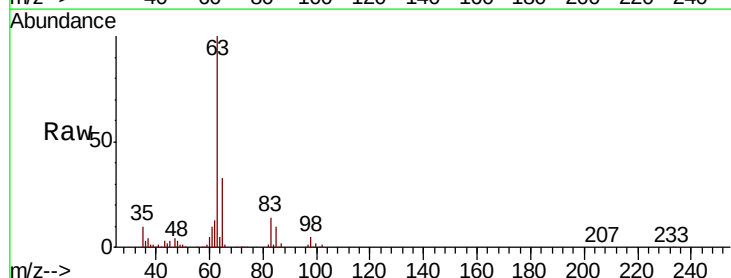
Tgt Ion: 63 Resp: 153179

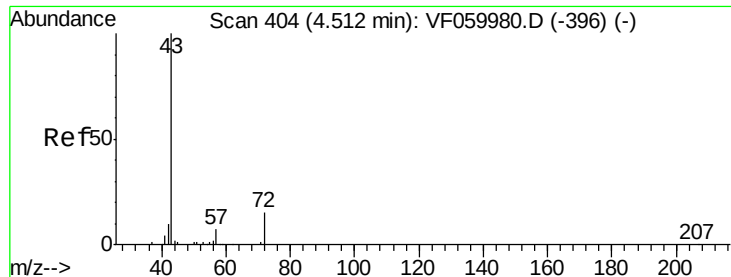
Ion Ratio Lower Upper

63 100

98 4.6 2.0 5.8

100 2.3 1.4 4.2





#25

2-Butanone

Concen: 256.29 ug/l

RT: 4.50 min Scan# 403

Delta R.T. -0.01 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

Instrument :

MSVOA_F

ClientSampleId :

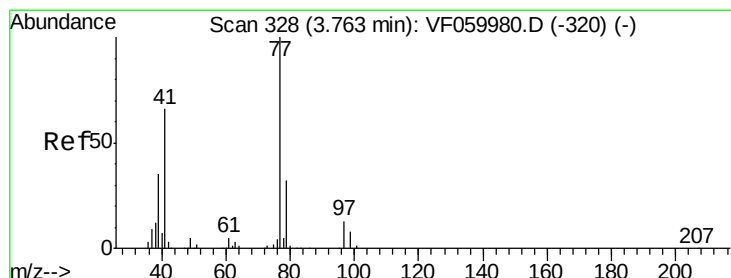
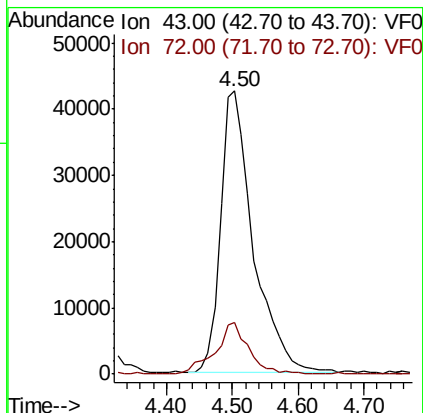
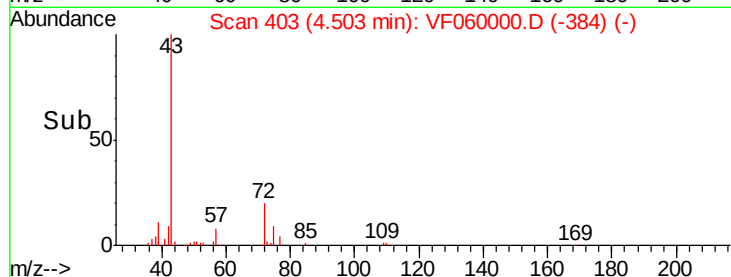
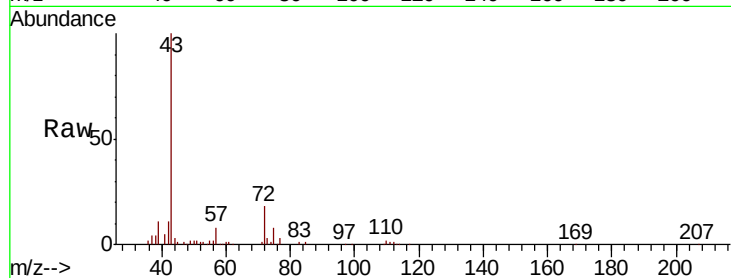
VSTDCCC050

Tot Ion: 43 Resp: 147984

Ion Ratio Lower Upper

43 100

72 18.1 12.5 18.7



#26

2,2-Dichloropropane

Concen: 58.60 ug/l

RT: 3.74 min Scan# 326

Delta R.T. -0.02 min

Lab File: VF060000.D

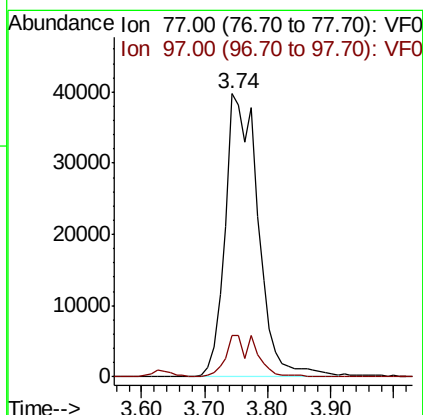
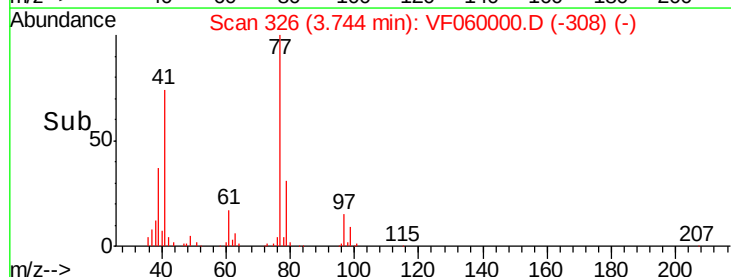
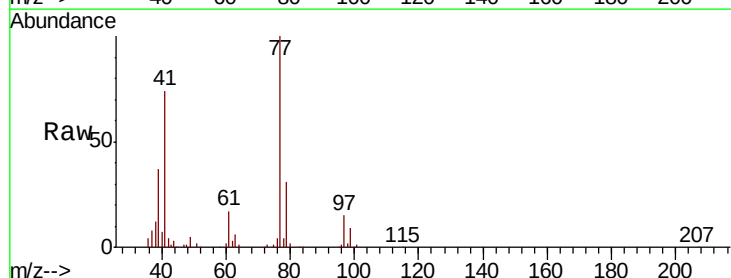
Acq: 20 Aug 2018 13:59

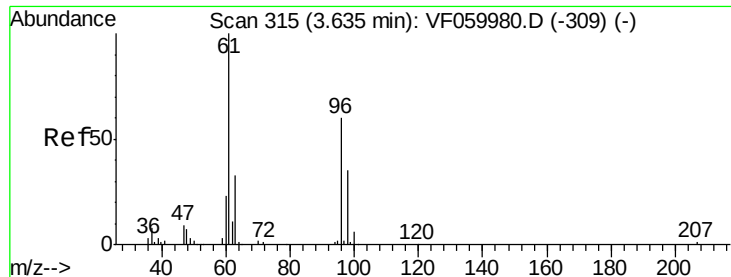
Tgt Ion: 77 Resp: 143691

Ion Ratio Lower Upper

77 100

97 14.8 6.7 20.0





#27

cis-1,2-Dichloroethene

Concen: 50.26 ug/l

RT: 3.64 min Scan# 315

Delta R.T. 0.00 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

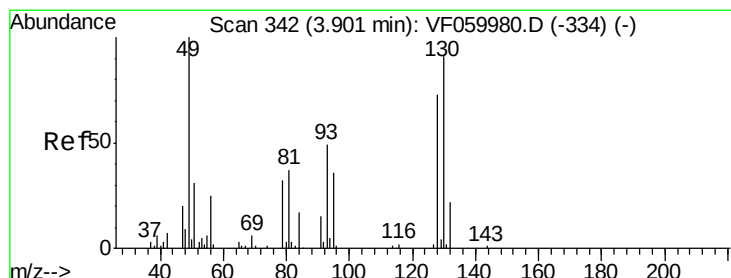
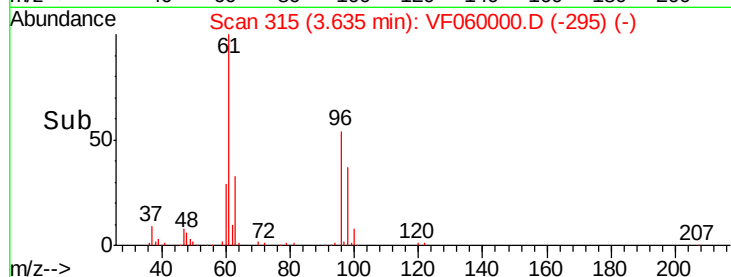
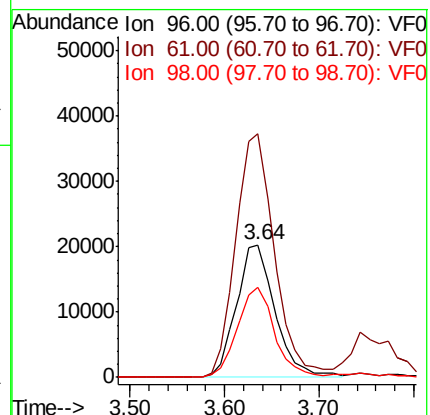
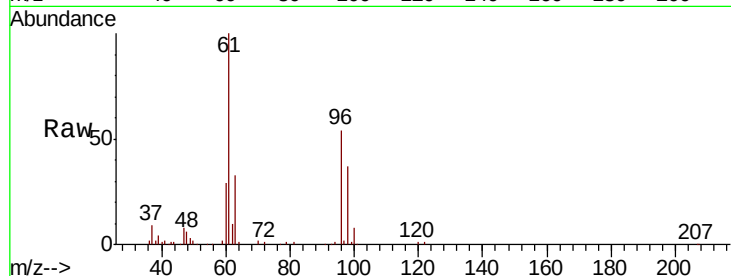
Tot Ion: 96 Resp: 57383

Ion Ratio Lower Upper

96 100

61 184.0 0.0 335.0

98 68.1 0.0 117.2



#28

Bromochloromethane

Concen: 49.36 ug/l

RT: 3.89 min Scan# 341

Delta R.T. -0.01 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

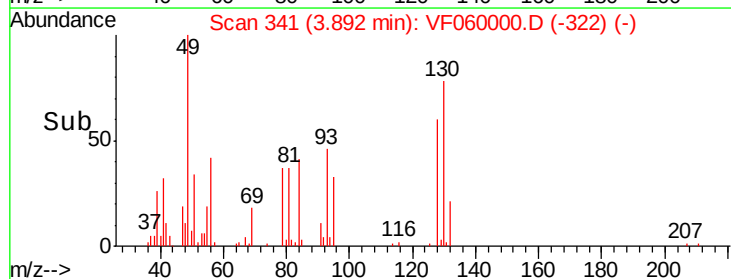
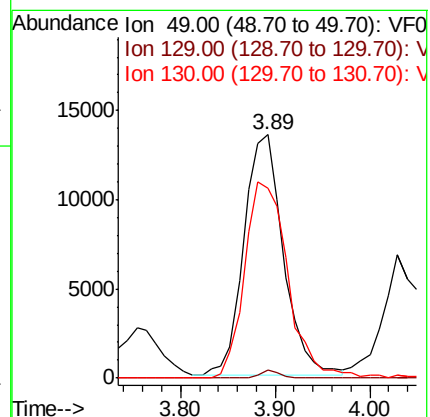
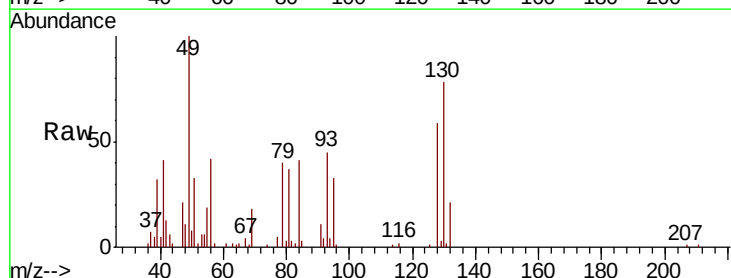
Tgt Ion: 49 Resp: 39206

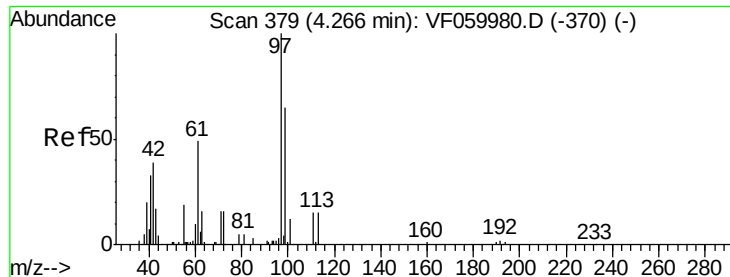
Ion Ratio Lower Upper

49 100

129 3.2 0.0 7.6

130 77.7 71.3 106.9





#29

Tetrahydrofuran

Concen: 249.90 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.02 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

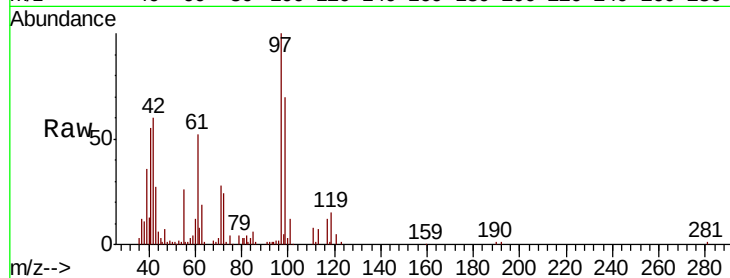
Tot Ion: 42 Resp: 51497

Ion Ratio Lower Upper

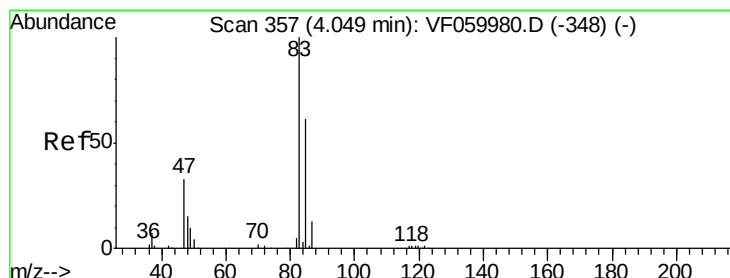
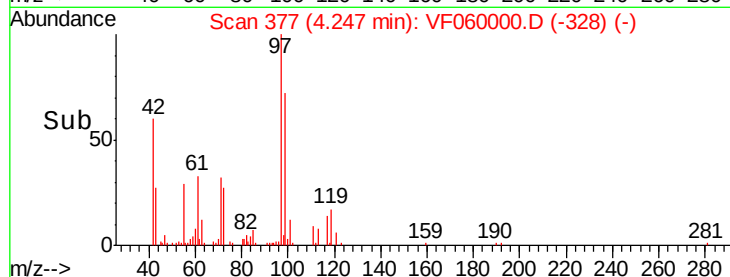
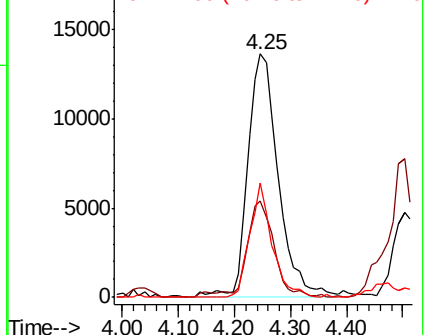
42 100

72 33.8 29.8 44.6

71 34.2 29.0 43.4



Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 52.48 ug/l

RT: 4.03 min Scan# 355

Delta R.T. -0.02 min

Lab File: VF060000.D

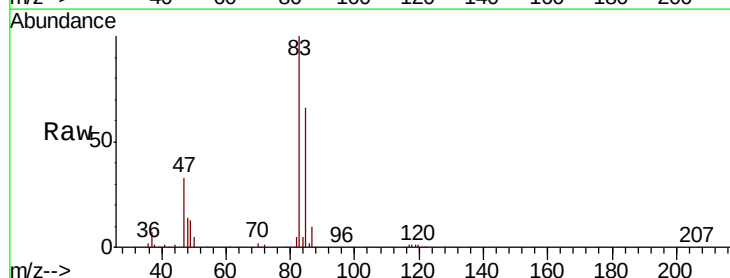
Acq: 20 Aug 2018 13:59

Tgt Ion: 83 Resp: 167936

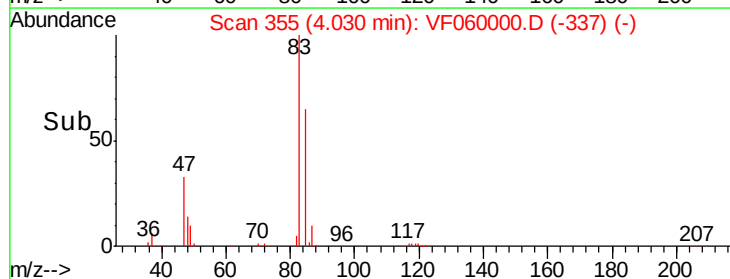
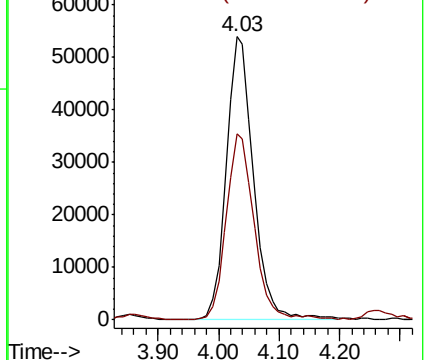
Ion Ratio Lower Upper

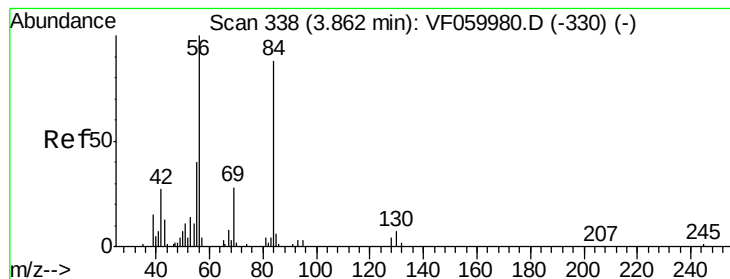
83 100

85 65.6 48.8 73.2



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 49.37 ug/l

RT: 3.86 min Scan# 338

Delta R.T. 0.00 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

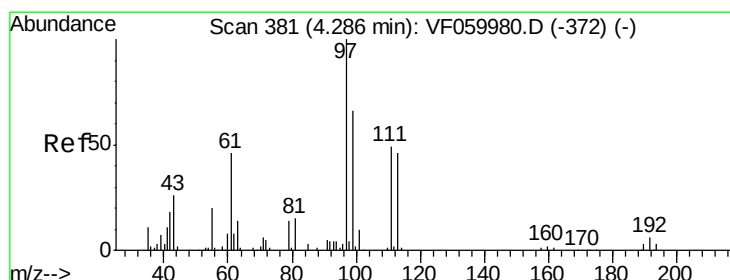
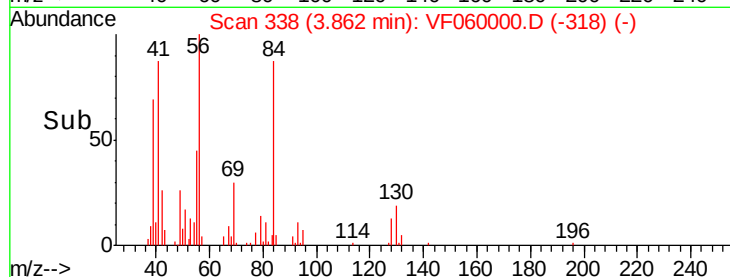
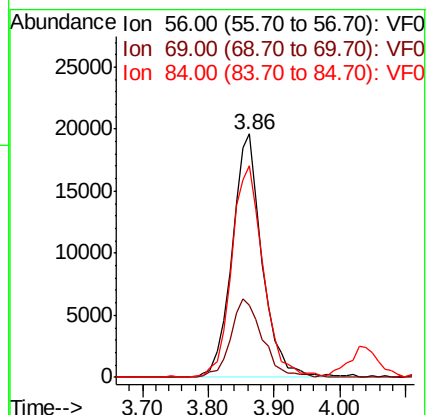
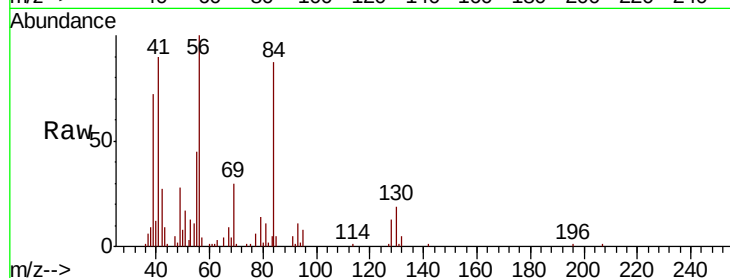
Tot Ion: 56 Resp: 62554

Ion Ratio Lower Upper

56 100

69 29.6 22.8 34.2

84 86.8 70.7 106.1



#32

1,1,1-Trichloroethane

Concen: 53.10 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.01 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

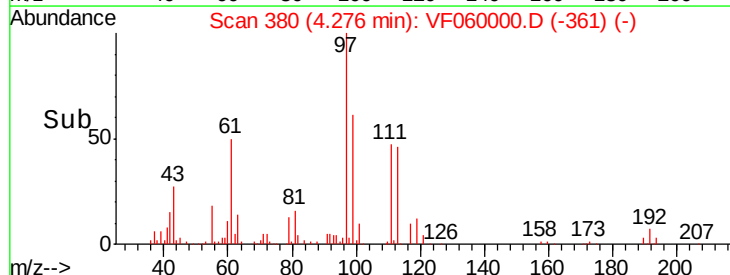
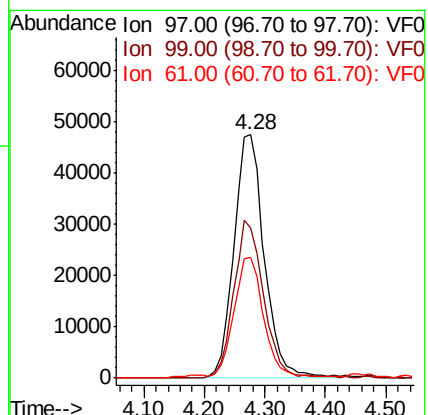
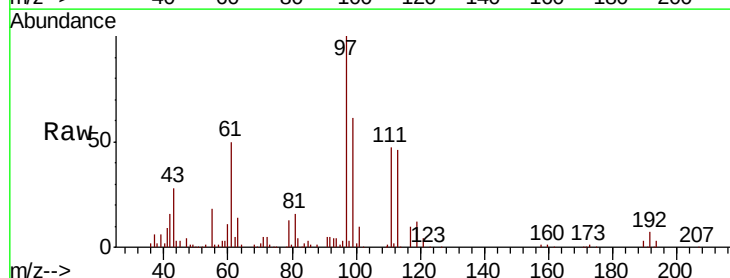
Tgt Ion: 97 Resp: 165836

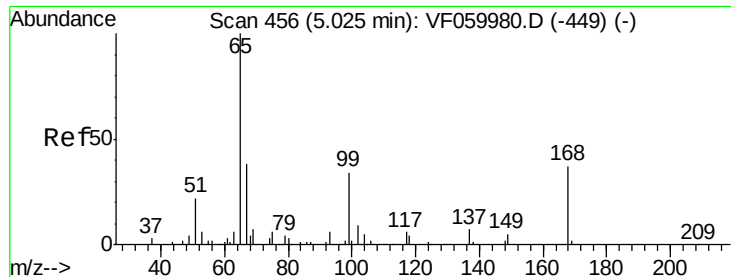
Ion Ratio Lower Upper

97 100

99 61.5 53.1 79.7

61 49.7 38.2 57.2

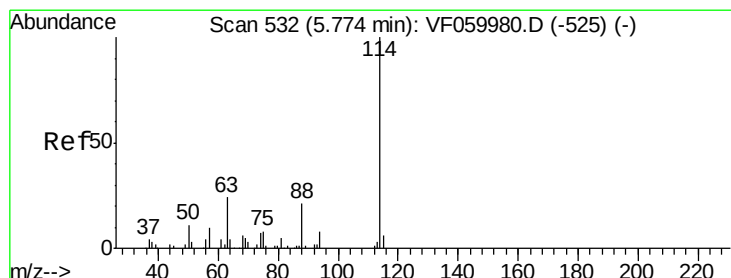
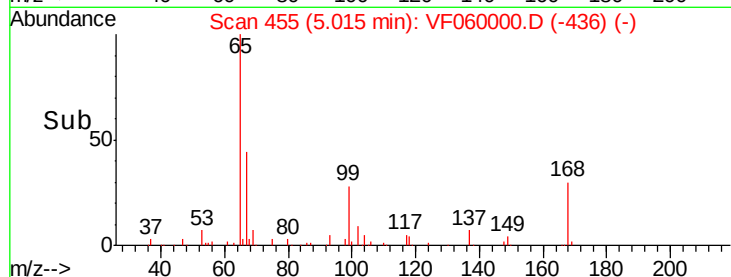
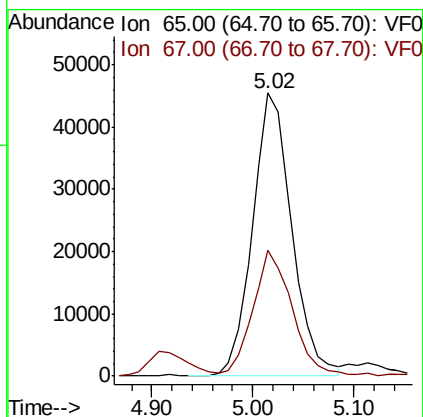
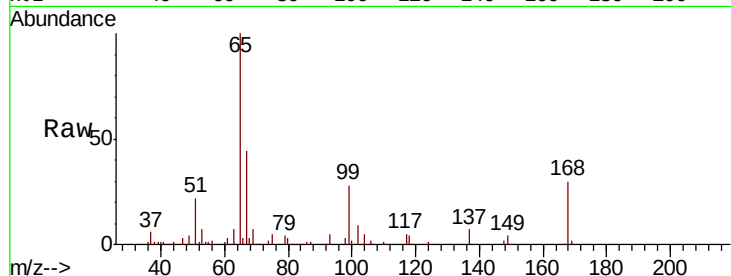




#33
 1,2-Dichloroethane-d4
 Concen: 51.59 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. -0.01 min
 Lab File: VF060000.D
 Acq: 20 Aug 2018 13:59

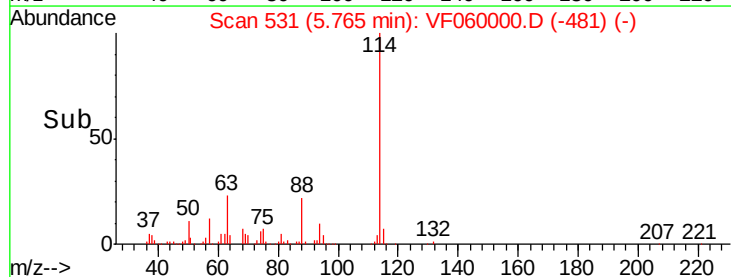
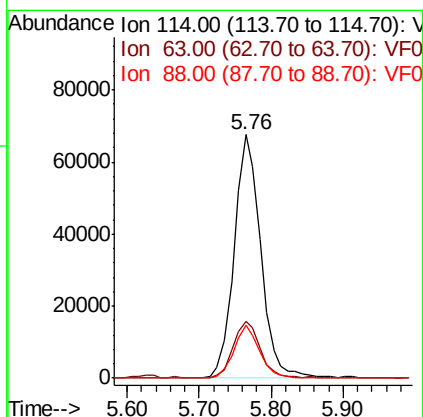
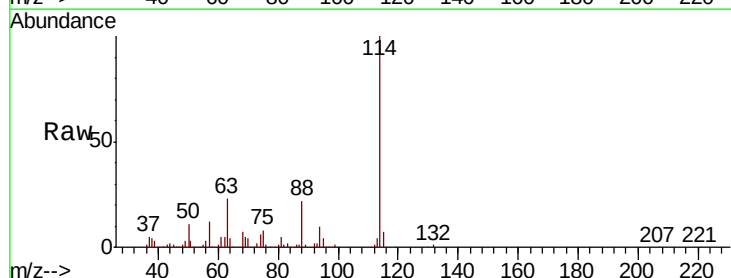
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

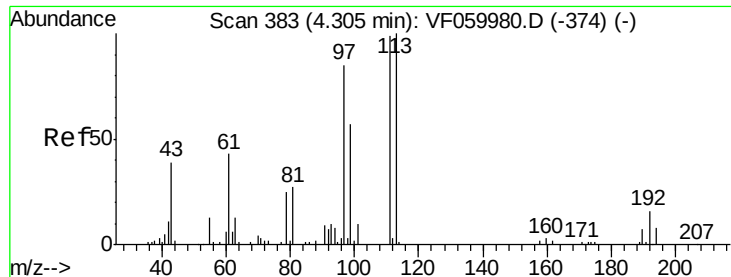
Tot Ion: 65 Resp: 123222
 Ion Ratio Lower Upper
 65 100
 67 44.4 0.0 82.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: VF060000.D
 Acq: 20 Aug 2018 13:59

Tgt Ion: 114 Resp: 173171
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 48.6
 88 21.7 0.0 42.8





#35

Dibromofluoromethane

Concen: 52.00 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.01 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

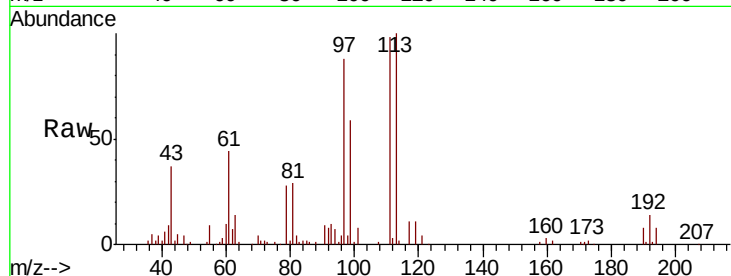
Tot Ion:113 Resp: 92025

Ion Ratio Lower Upper

113 100

111 97.6 79.5 119.3

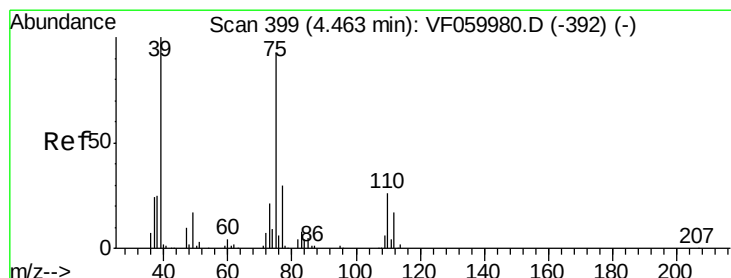
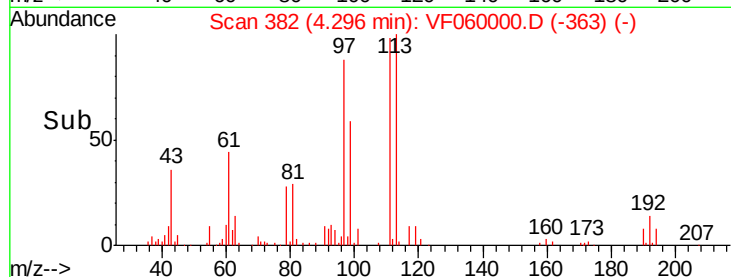
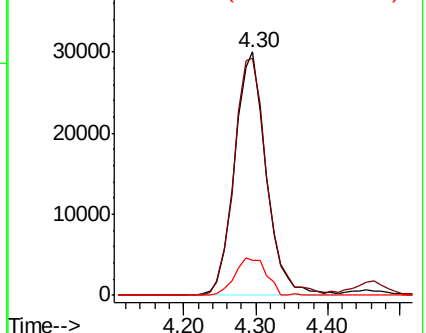
192 14.4 12.4 18.6



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 49.00 ug/l

RT: 4.45 min Scan# 398

Delta R.T. -0.01 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

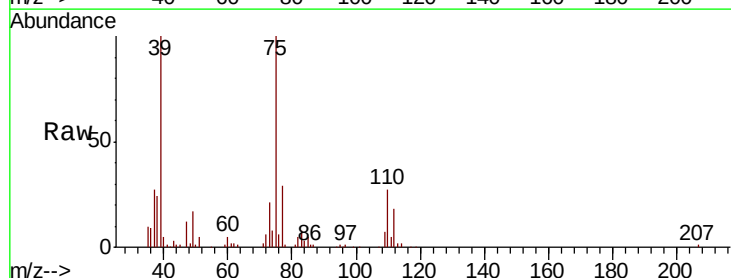
Tgt Ion: 75 Resp: 96644

Ion Ratio Lower Upper

75 100

110 27.2 13.8 41.4

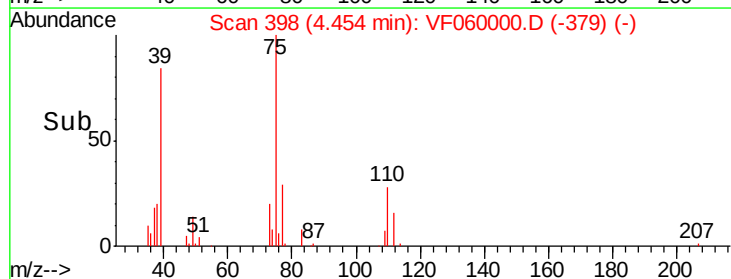
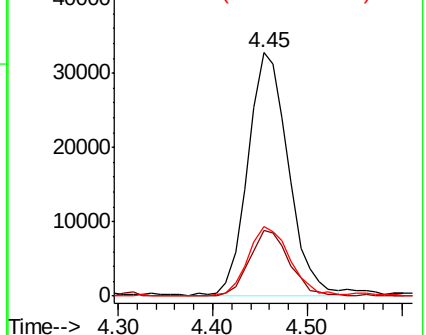
77 28.7 25.8 38.8

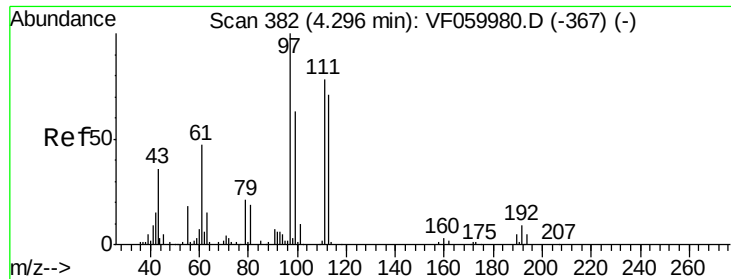


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

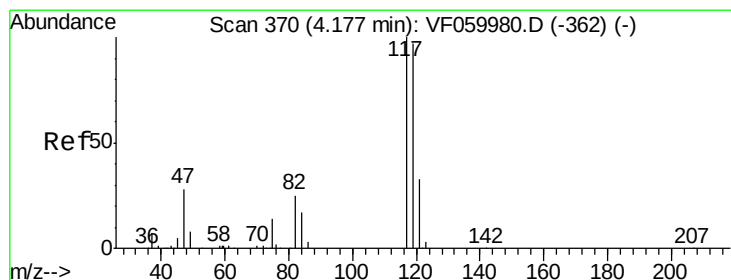
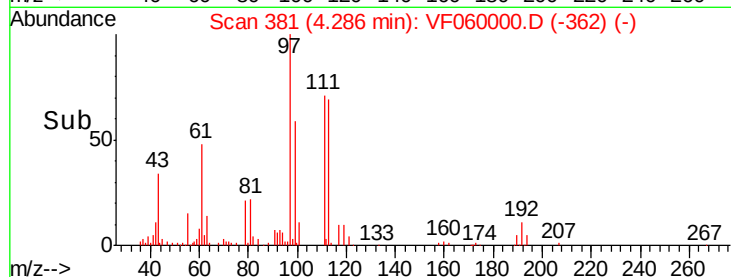
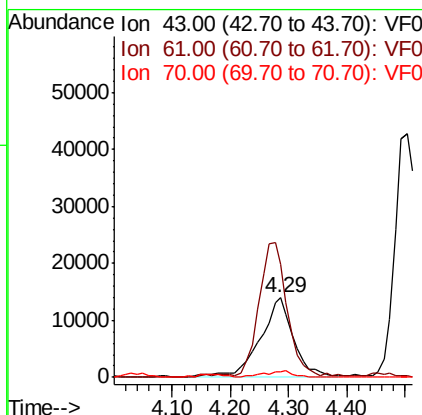
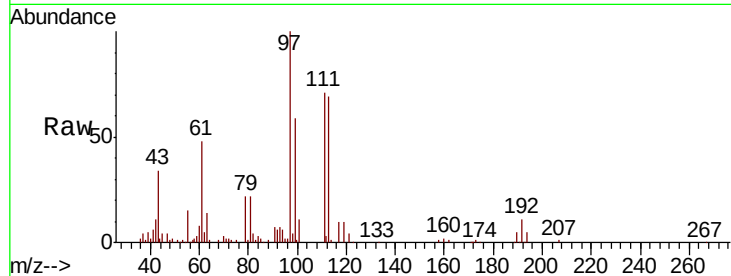




#37
Ethyl Acetate
Concen: 51.75 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF060000.D
Acq: 20 Aug 2018 13:59

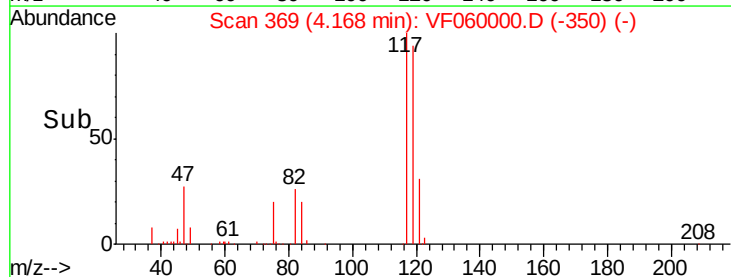
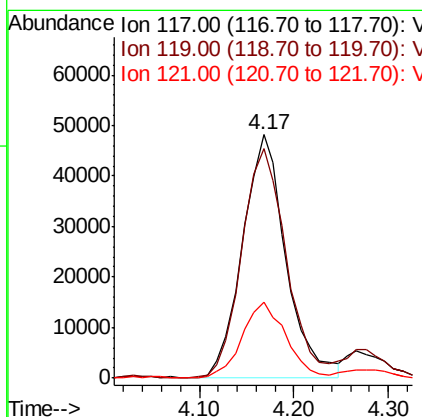
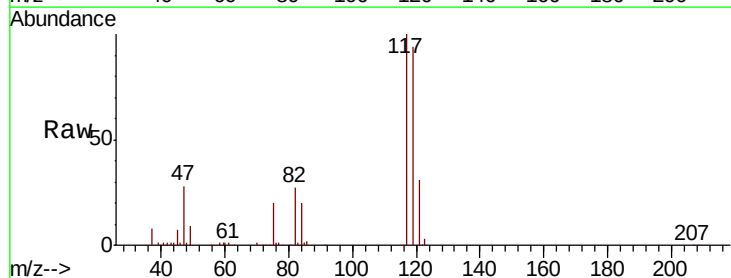
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

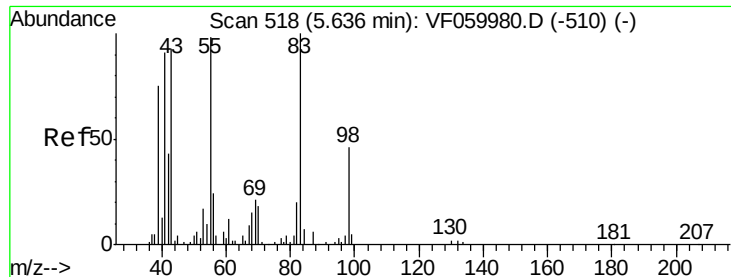
Tot Ion	43	Resp	56413
Ion Ratio	Lower	Upper	
43	100		
61	142.1	104.5	156.7
70	7.4	5.9	8.9



#38
Carbon Tetrachloride
Concen: 54.56 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.01 min
Lab File: VF060000.D
Acq: 20 Aug 2018 13:59

Tgt Ion	117	Resp	154359
Ion Ratio	Lower	Upper	
117	100		
119	94.1	77.8	116.6
121	31.2	26.0	39.0

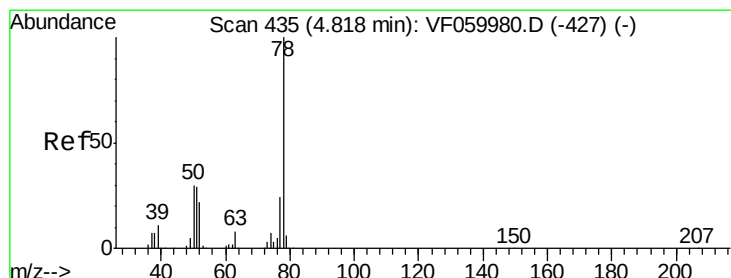
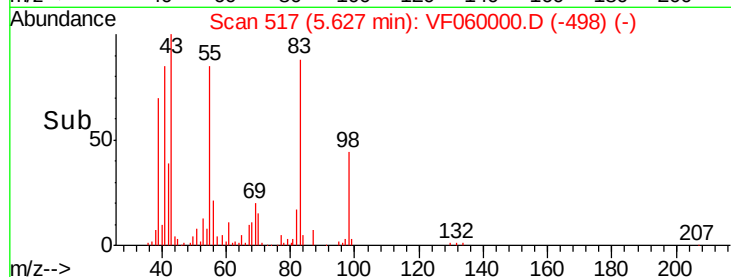
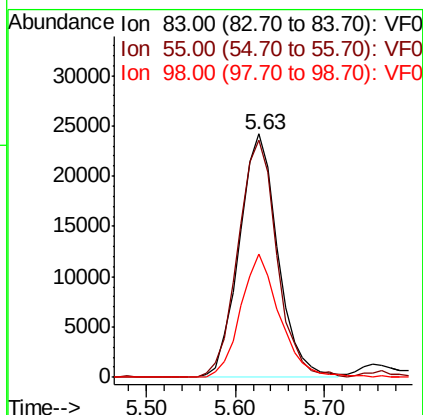
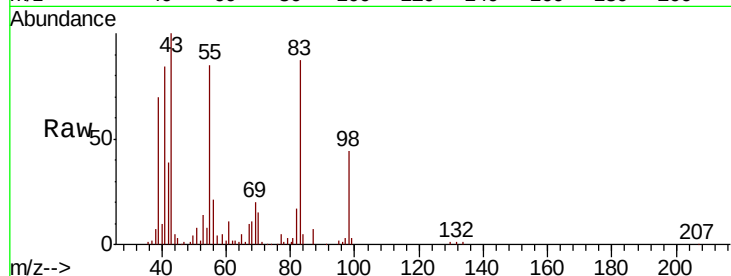




#39
Methylvlcyclohexane
Concen: 49.00 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.01 min
Lab File: VF060000.D
Acq: 20 Aug 2018 13:59

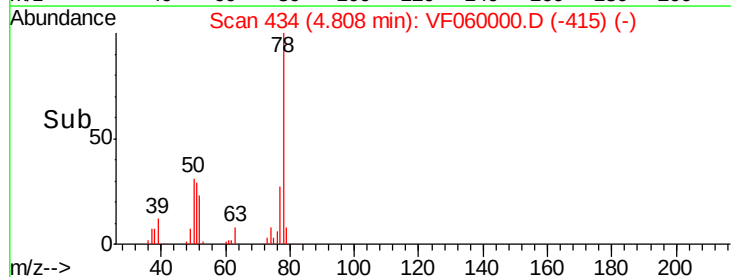
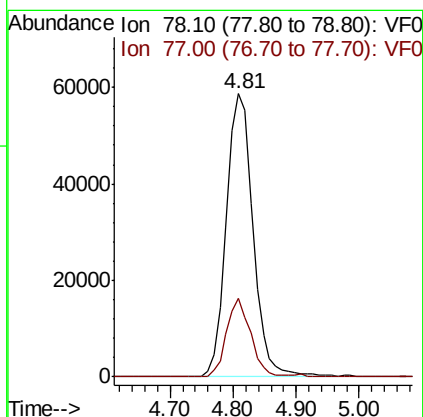
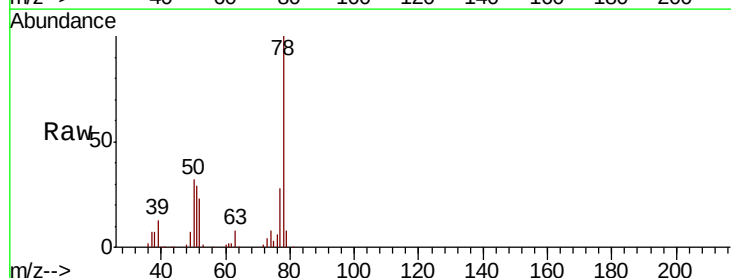
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

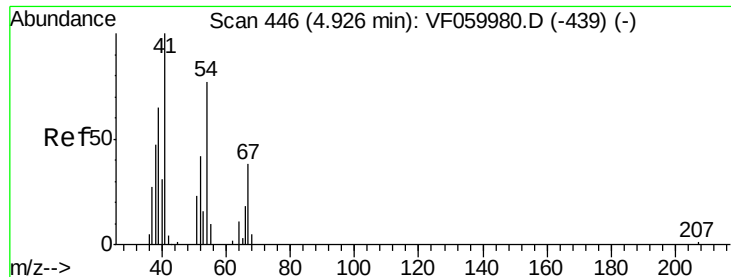
Tot Ion: 83 Resp: 72500
Ion Ratio Lower Upper
83 100
55 97.2 78.8 118.2
98 50.6 36.8 55.2



#40
Benzene
Concen: 51.73 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.01 min
Lab File: VF060000.D
Acq: 20 Aug 2018 13:59

Tgt Ion: 78 Resp: 172689
Ion Ratio Lower Upper
78 100
77 27.7 19.1 28.7

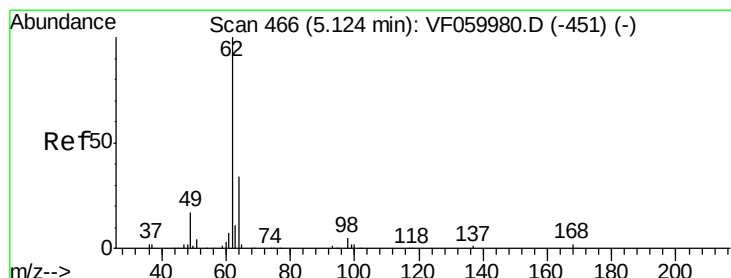
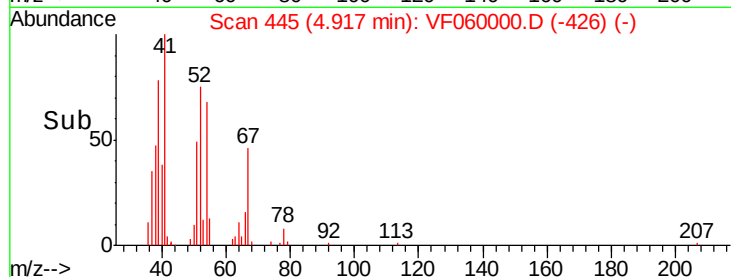
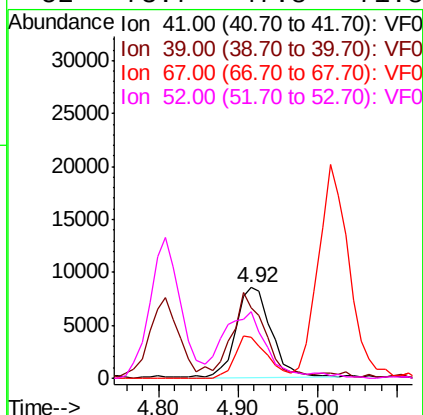
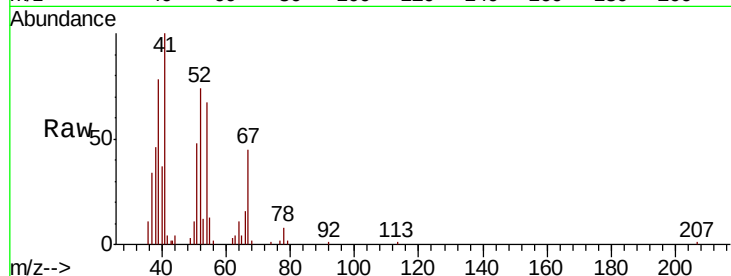




#41
Methacrylonitrile
Concen: 49.97 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.01 min
Lab File: VF060000.D
Acq: 20 Aug 2018 13:59

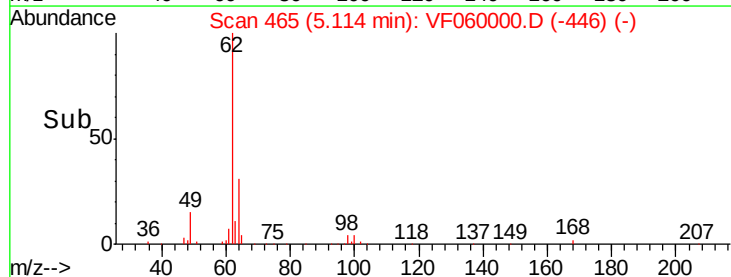
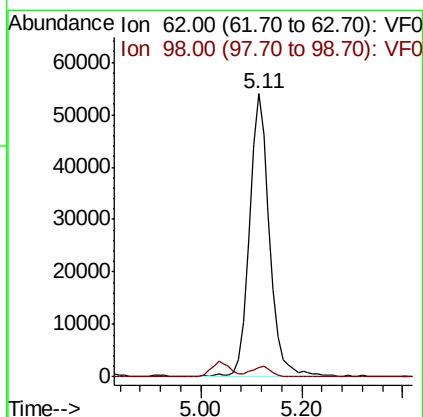
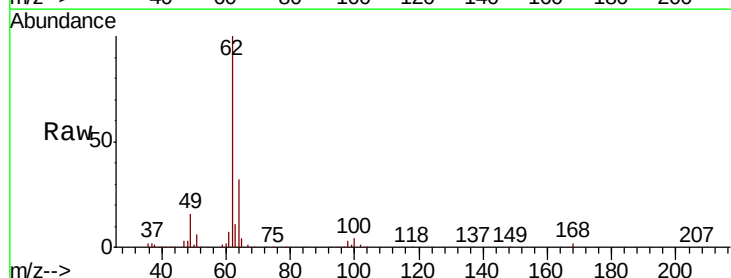
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

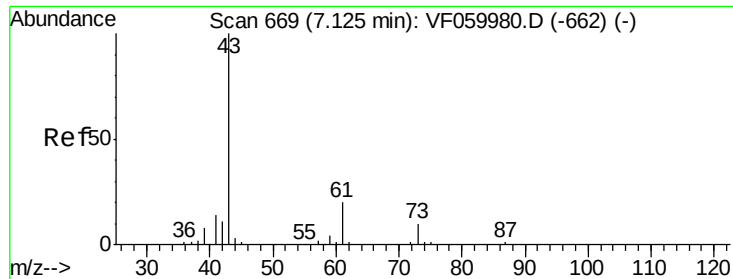
Tot Ion:	41	Resp:	26085
Ion	Ratio	Lower	Upper
41	100		
39	78.0	62.9	94.3
67	45.1	30.4	45.6
52	73.7	47.8	71.8#



#42
1,2-Dichloroethane
Concen: 53.16 ug/l
RT: 5.11 min Scan# 465
Delta R.T. -0.01 min
Lab File: VF060000.D
Acq: 20 Aug 2018 13:59

Tgt Ion:	62	Resp:	150516
Ion	Ratio	Lower	Upper
62	100		
98	3.5	0.0	9.0





#43

Isopropyl Acetate

Concen: 52.78 ug/l

RT: 7.11 min Scan# 667

Delta R.T. -0.02 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

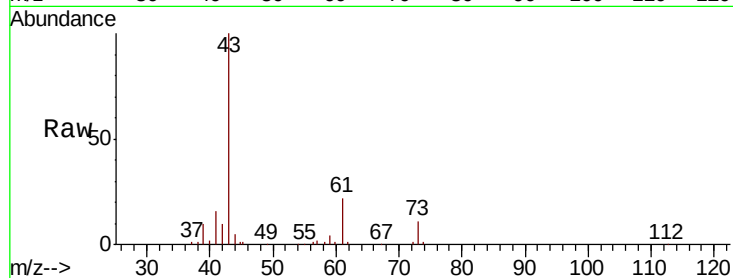
Tot Ion: 43 Resp: 63335

Ion Ratio Lower Upper

43 100

61 21.9 15.8 23.8

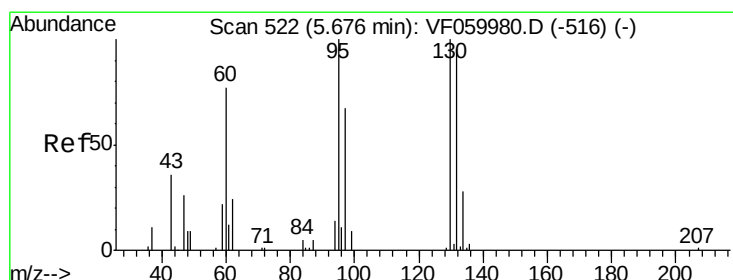
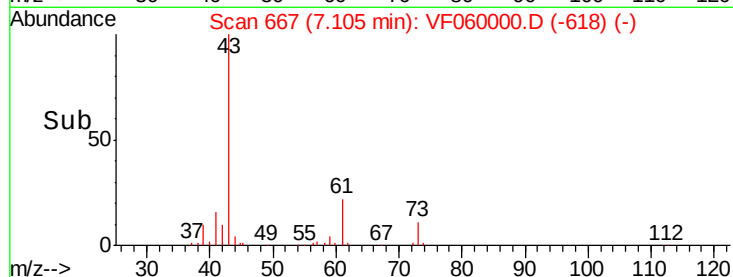
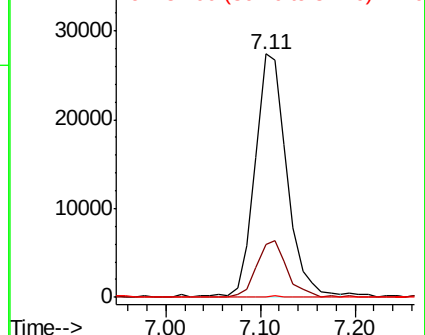
87 0.0 0.6 0.8#



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: 49.84 ug/l

RT: 5.68 min Scan# 522

Delta R.T. 0.00 min

Lab File: VF060000.D

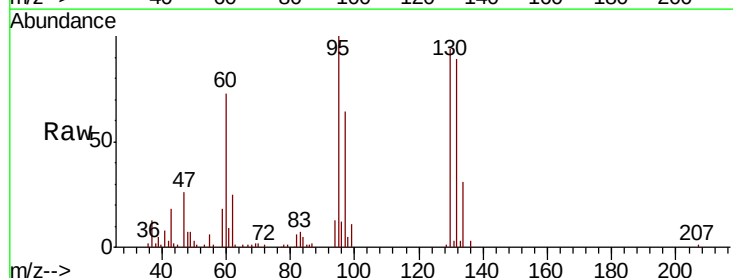
Acq: 20 Aug 2018 13:59

Tgt Ion:130 Resp: 64935

Ion Ratio Lower Upper

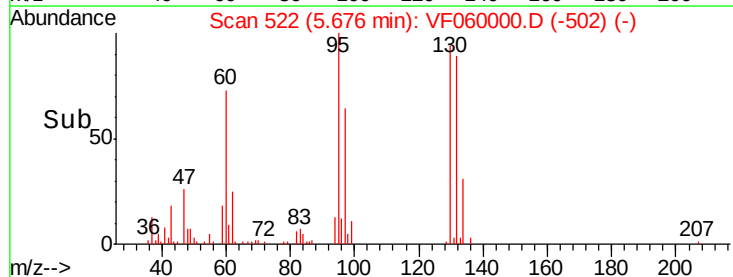
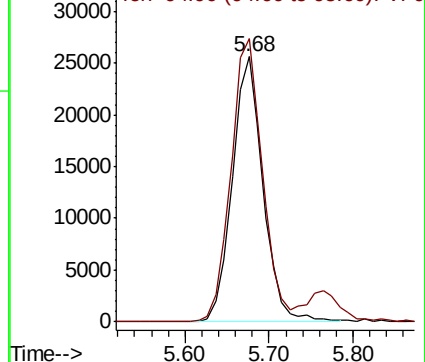
130 100

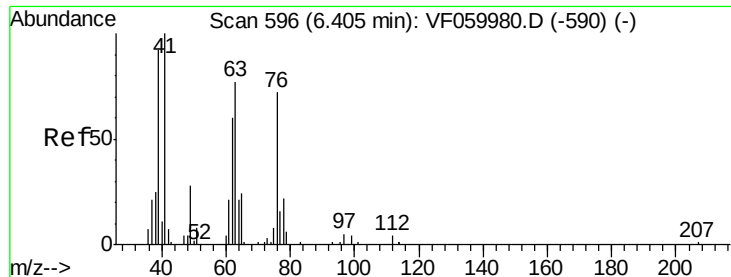
95 106.8 0.0 201.8



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 50.55 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.01 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

Instrument :

MSVOA_F

ClientSampleId :

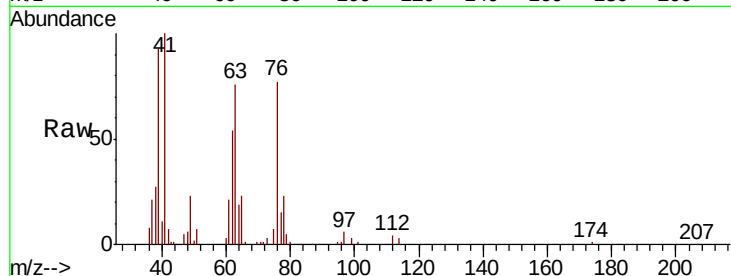
VSTDCCC050

Tot Ion: 63 Resp: 48277

Ion Ratio Lower Upper

63 100

65 30.1 25.0 37.6



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

20000

15000

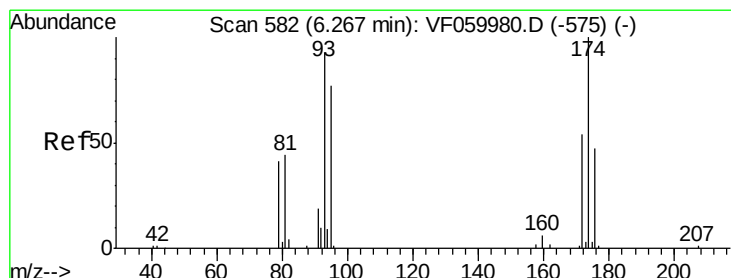
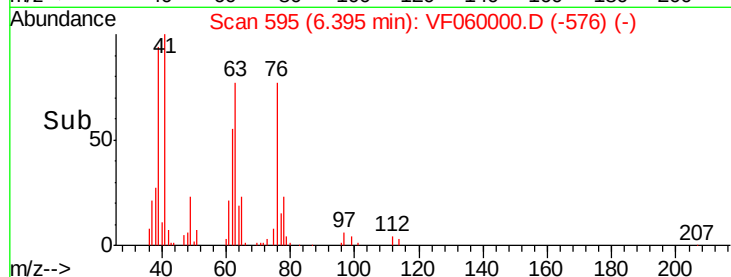
10000

5000

0

6.30 6.40 6.50 6.60

Time-->



#46

Dibromomethane

Concen: 51.95 ug/l

RT: 6.26 min Scan# 581

Delta R.T. -0.01 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

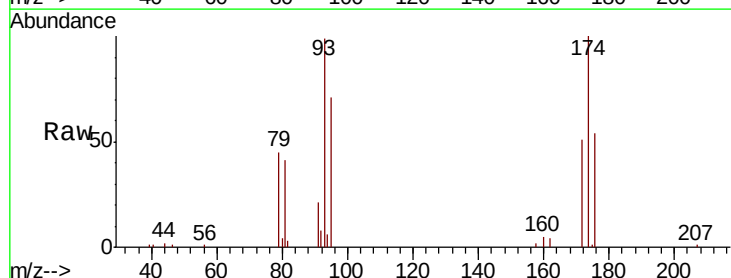
Tgt Ion: 93 Resp: 48929

Ion Ratio Lower Upper

93 100

95 71.7 67.0 100.4

174 101.3 85.7 128.5



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

25000

20000

15000

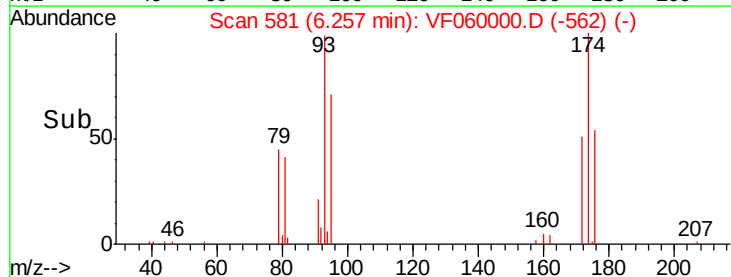
10000

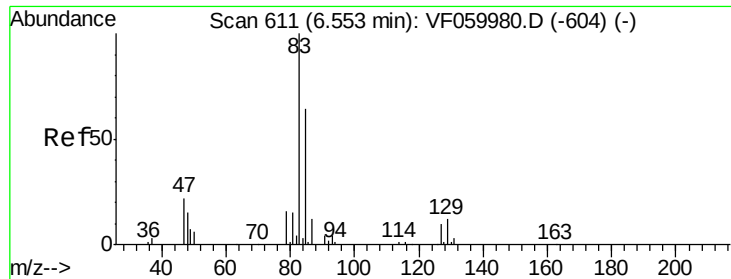
5000

0

6.10 6.20 6.30 6.40

Time-->





#47

Bromodichloromethane

Concen: 54.10 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.00 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

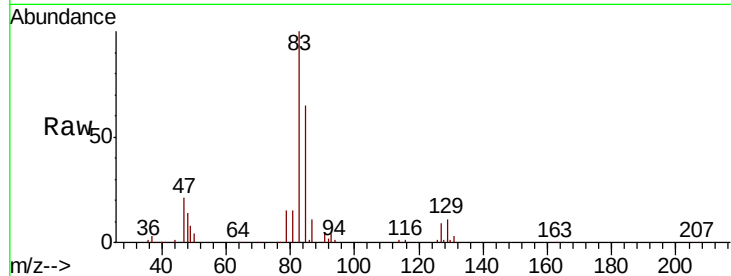
Tot Ion: 83 Resp: 137552

Ion Ratio Lower Upper

83 100

85 65.4 51.4 77.0

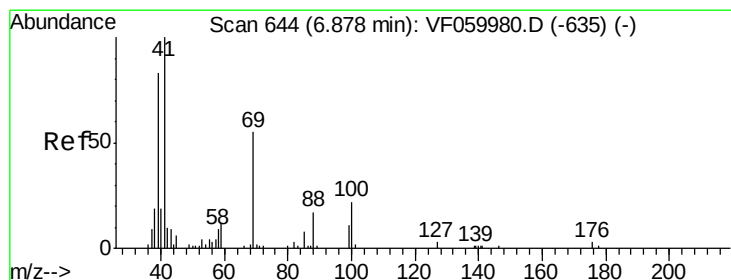
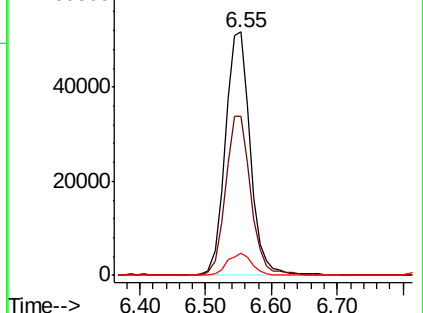
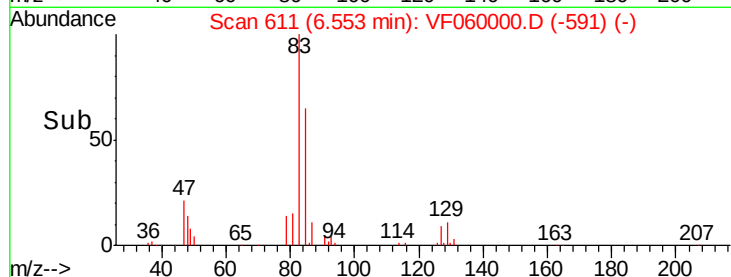
127 9.2 8.2 12.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 51.24 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.01 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

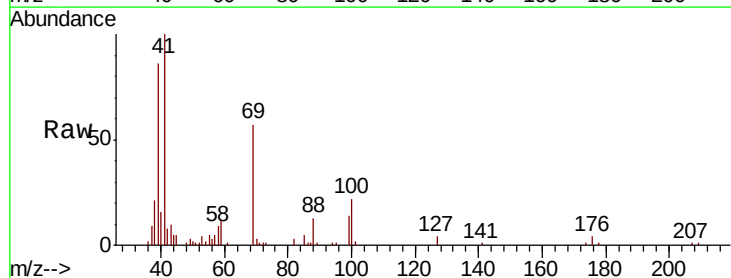
Tgt Ion: 41 Resp: 45764

Ion Ratio Lower Upper

41 100

69 57.1 44.4 66.6

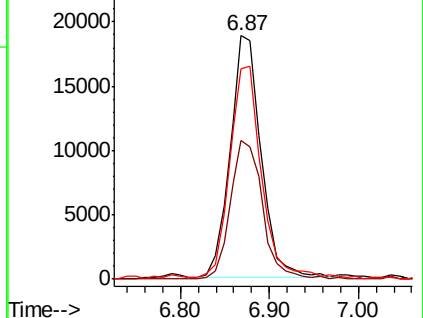
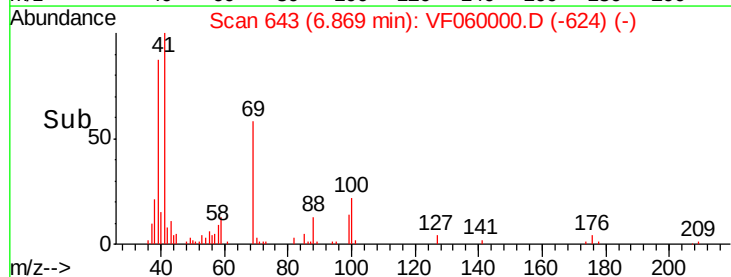
39 86.5 67.8 101.6

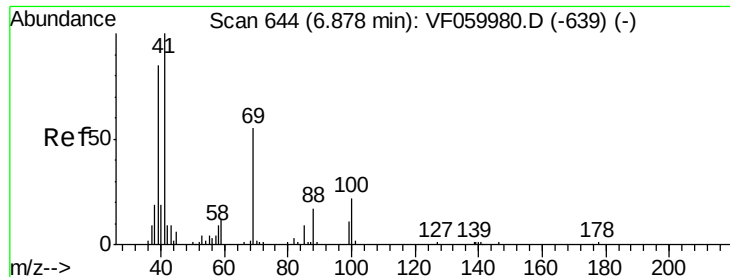


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 959.17 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.01 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

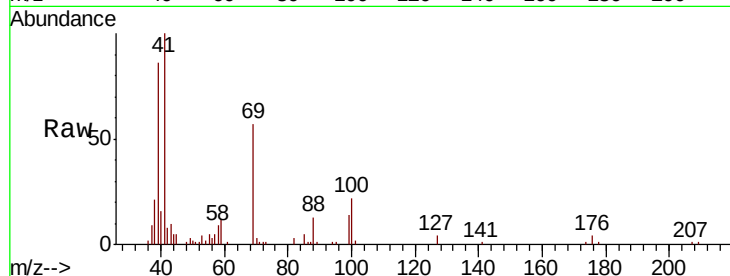
Tot Ion: 88 Resp: 7499

Ion Ratio Lower Upper

88 100

43 80.9 43.2 64.8#

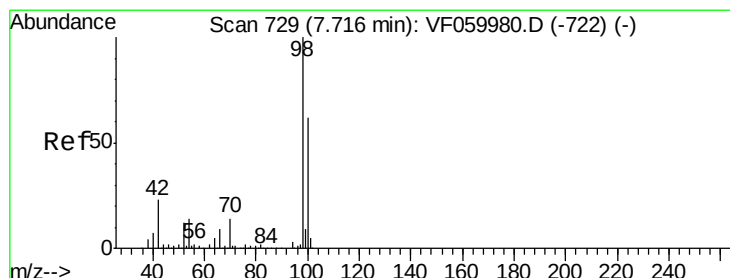
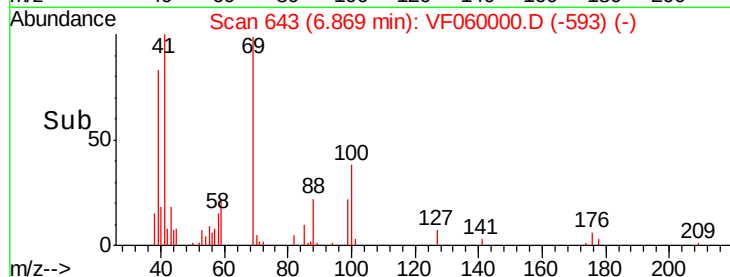
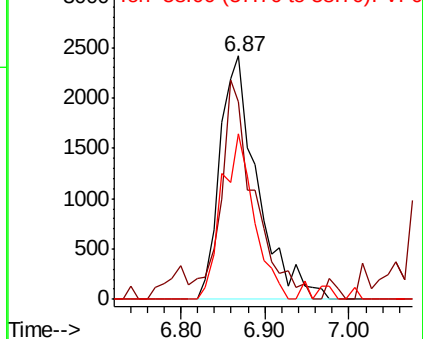
58 68.2 42.0 63.0#



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: 52.22 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.00 min

Lab File: VF060000.D

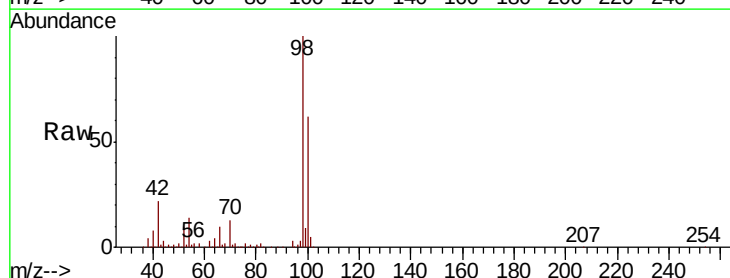
Acq: 20 Aug 2018 13:59

Tgt Ion: 98 Resp: 205538

Ion Ratio Lower Upper

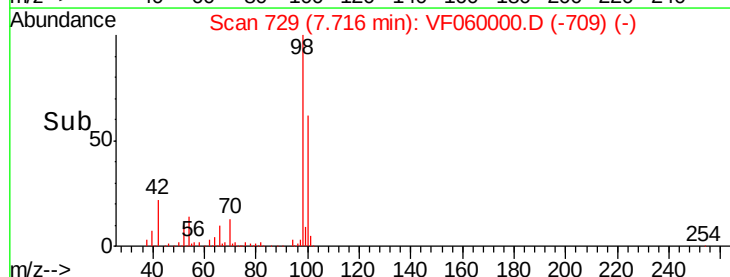
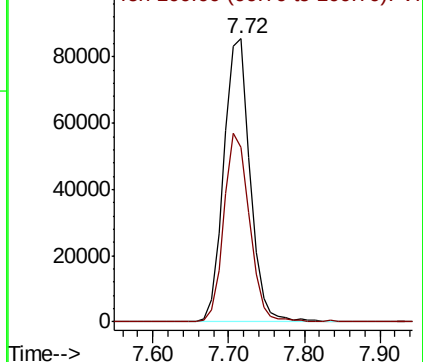
98 100

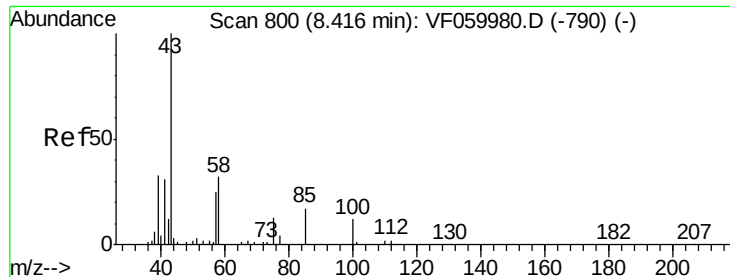
100 61.8 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 264.02 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

Instrument :

MSVOA_F

ClientSampleId :

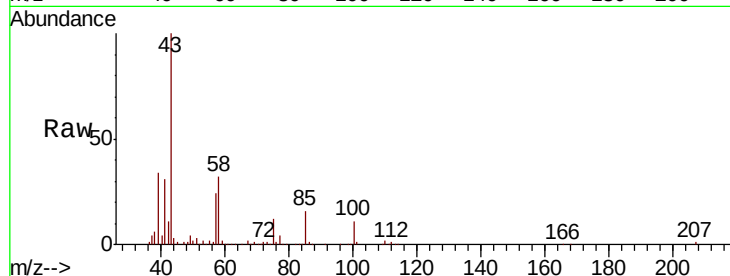
VSTDCCC050

Tot Ion: 43 Resp: 295935

Ion Ratio Lower Upper

43 100

58 31.9 25.6 38.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.41

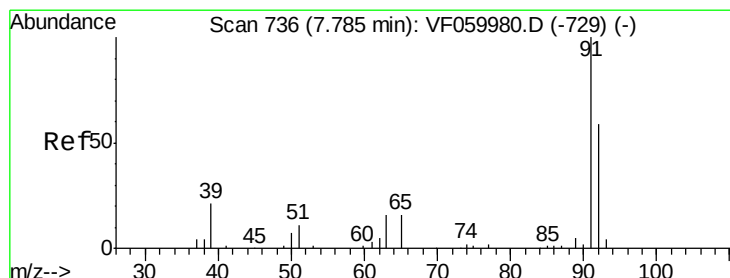
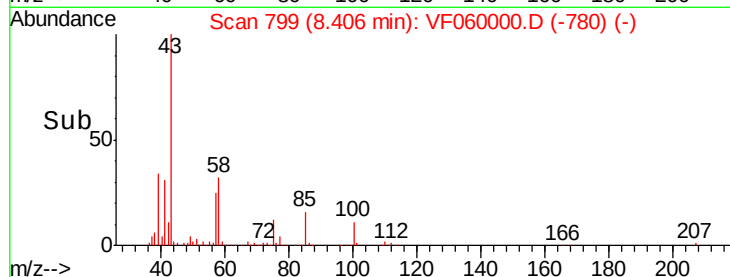
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 51.01 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060000.D

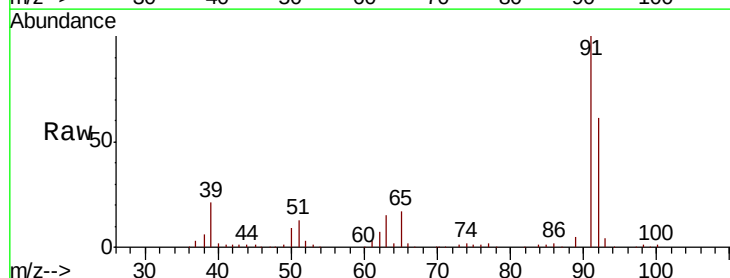
Acq: 20 Aug 2018 13:59

Tgt Ion: 92 Resp: 127445

Ion Ratio Lower Upper

92 100

91 164.5 136.5 204.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.78

100000

80000

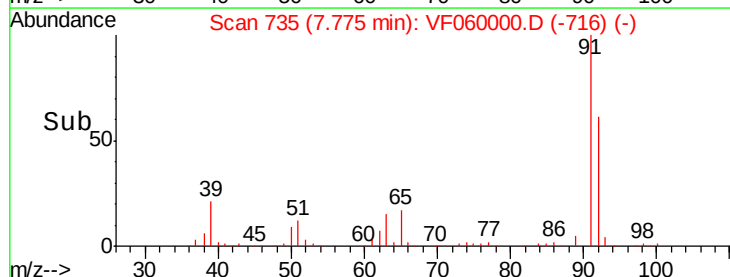
60000

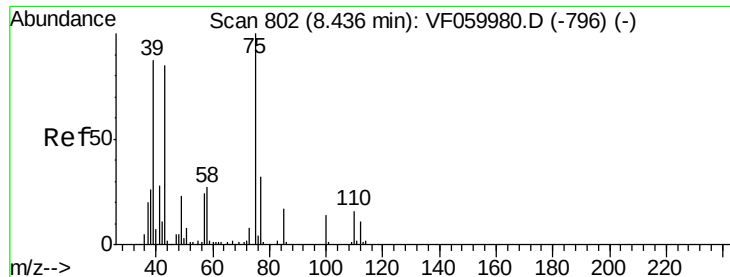
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 54.25 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.01 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

Instrument :

MSVOA_F

ClientSampleId :

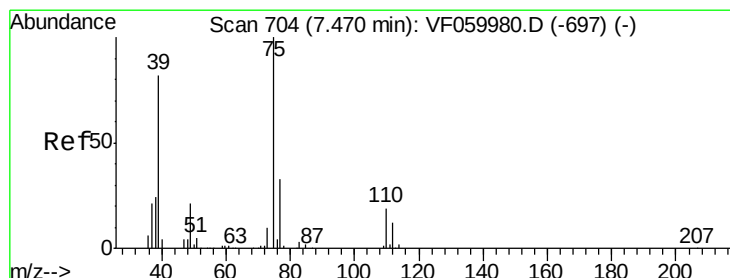
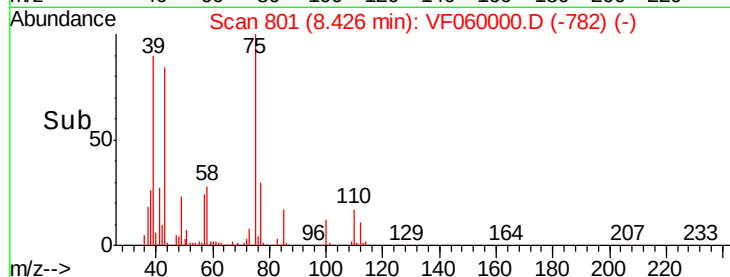
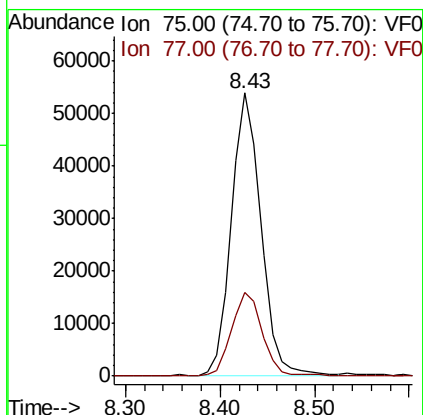
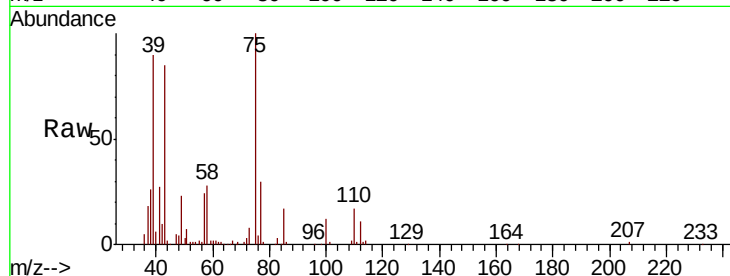
VSTDCCC050

Tot Ion: 75 Resp: 116348

Ion Ratio Lower Upper

75 100

77 29.5 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 54.75 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.01 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

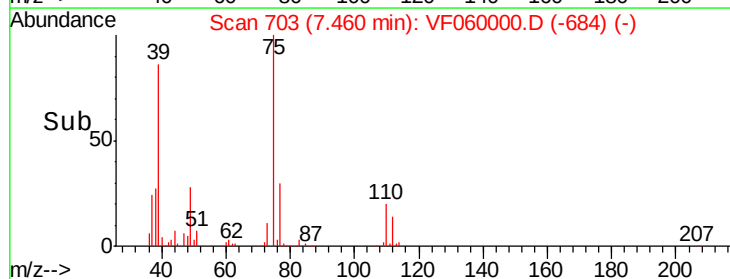
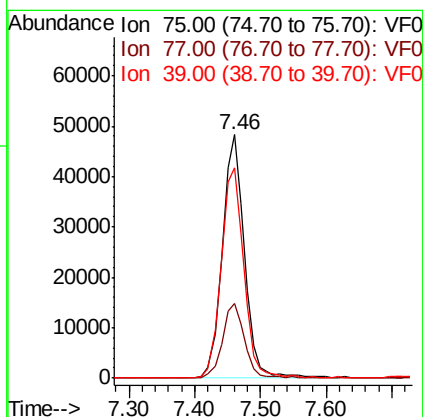
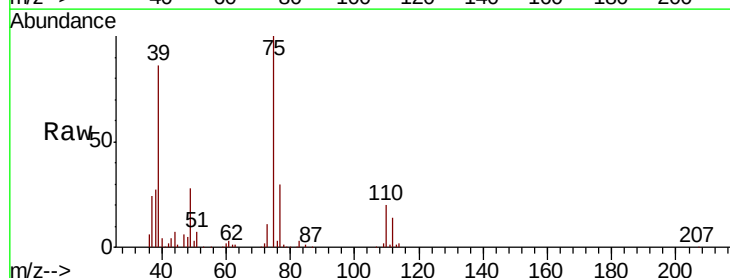
Tgt Ion: 75 Resp: 113372

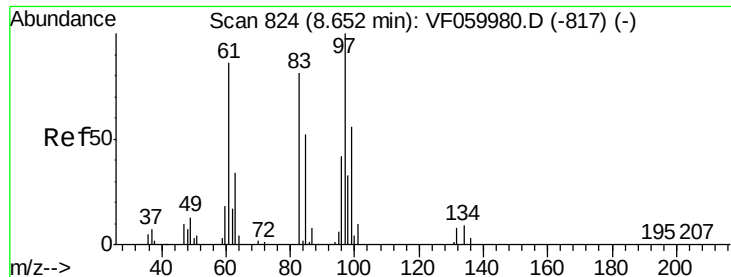
Ion Ratio Lower Upper

75 100

77 30.5 26.0 39.0

39 86.2 65.3 97.9





#55

1,1,2-Trichloroethane

Concen: 53.10 ug/l

RT: 8.64 min Scan# 823

Delta R.T. -0.01 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 53225

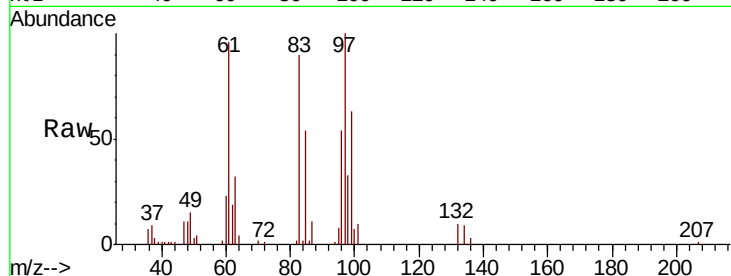
Ion Ratio Lower Upper

97 100

83 89.7 64.9 97.3

85 54.4 41.8 62.6

99 62.7 45.2 67.8

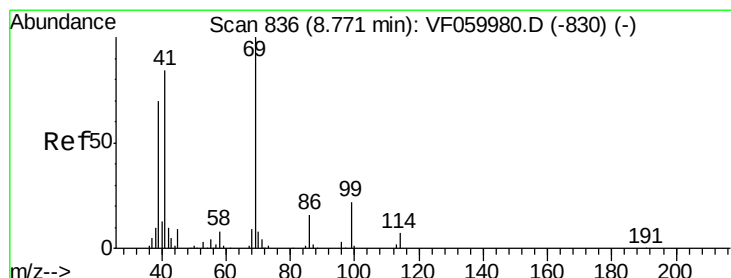
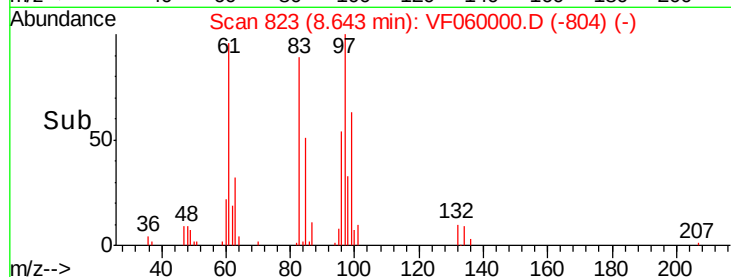
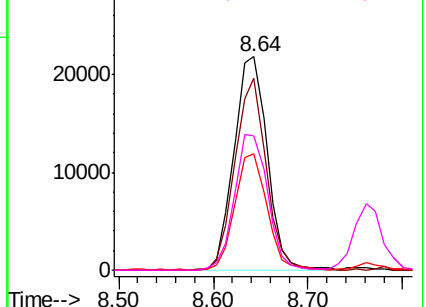


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 54.85 ug/l

RT: 8.76 min Scan# 835

Delta R.T. -0.01 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

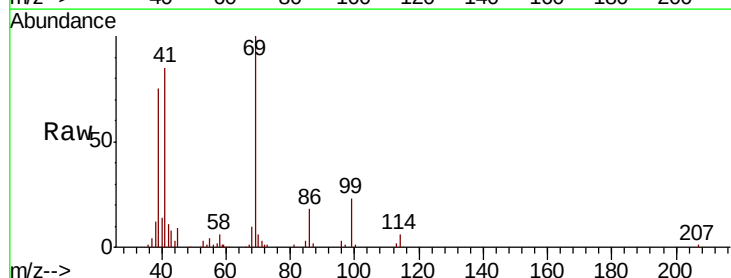
Tgt Ion: 69 Resp: 63704

Ion Ratio Lower Upper

69 100

41 84.6 67.8 101.6

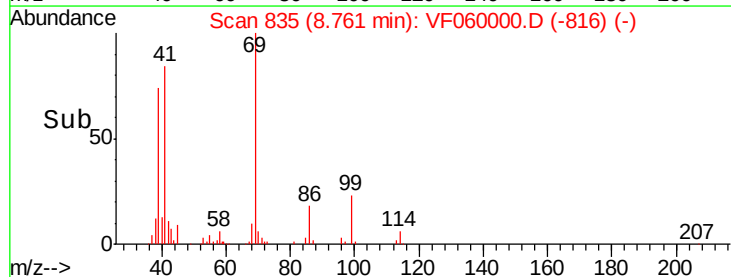
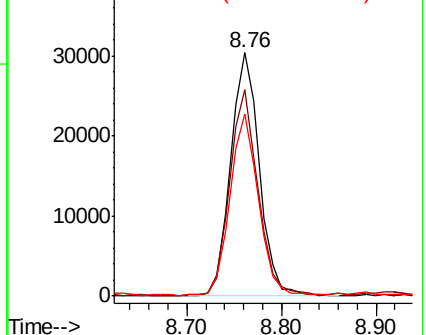
39 75.1 55.8 83.6

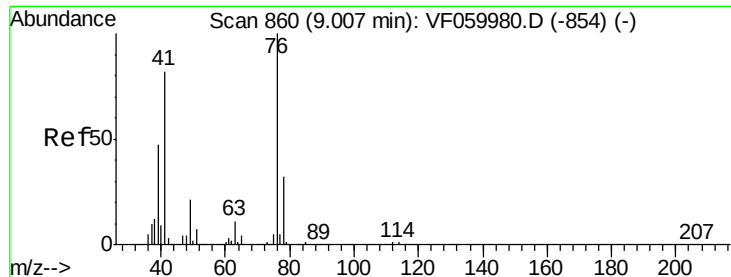


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 53.01 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.01 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

Instrument :

MSVOA_F

ClientSampleId :

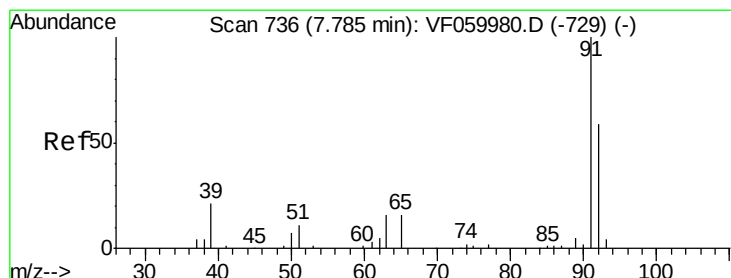
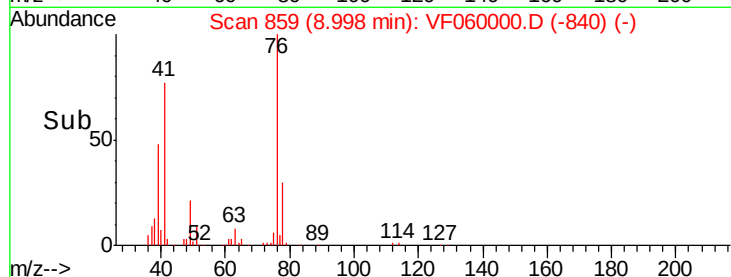
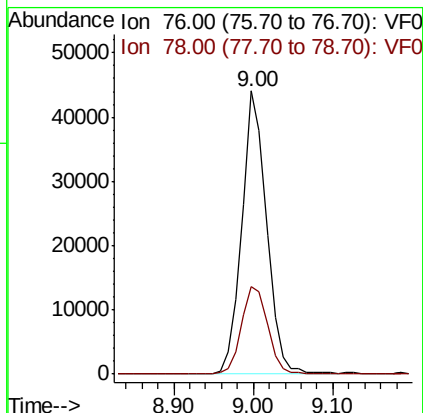
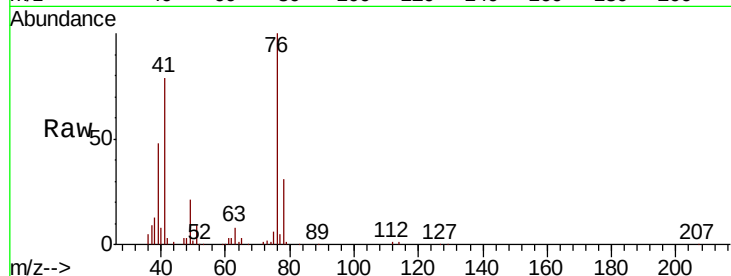
VSTDCCC050

Tot Ion: 76 Resp: 94708

Ion Ratio Lower Upper

76 100

78 30.7 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 329.10 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060000.D

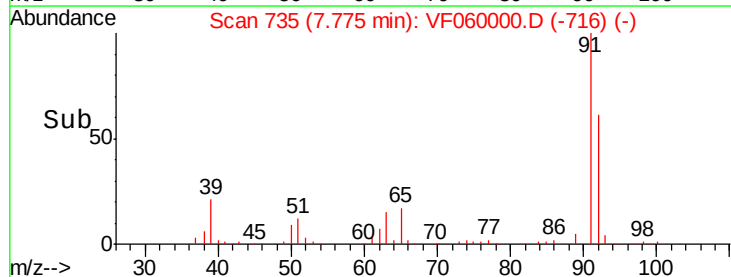
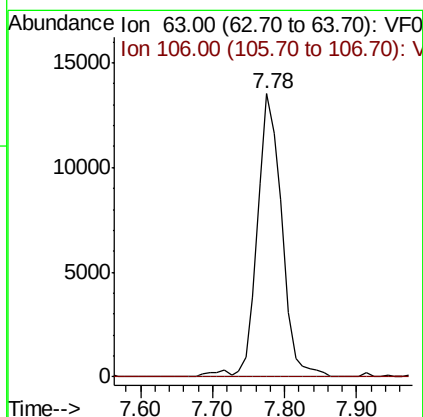
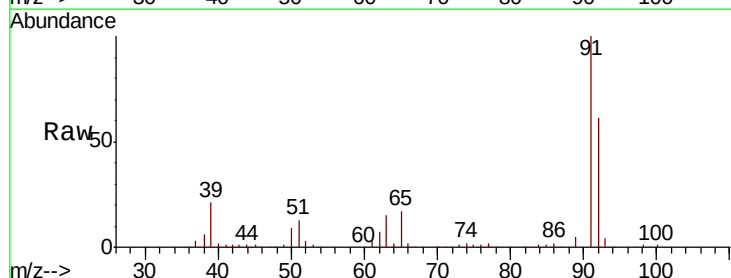
Acq: 20 Aug 2018 13:59

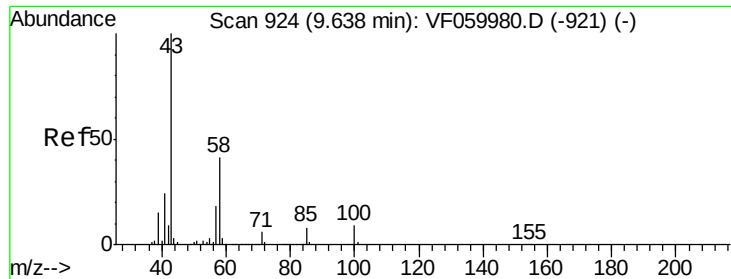
Tgt Ion: 63 Resp: 32055

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

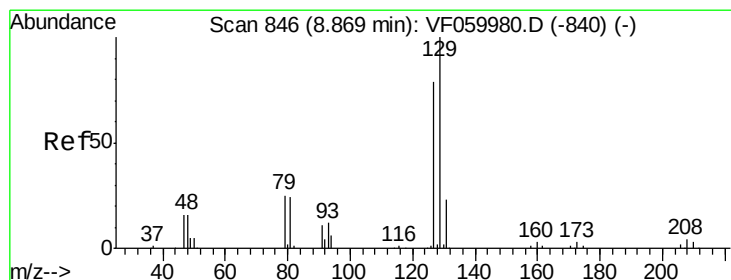
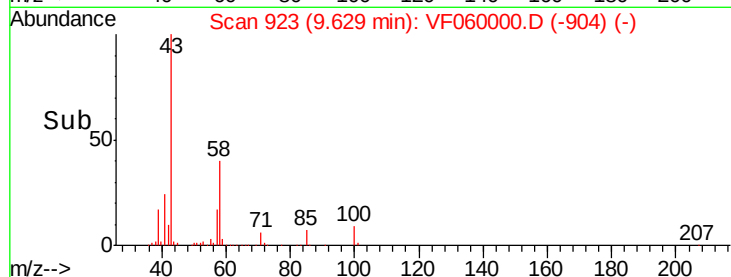
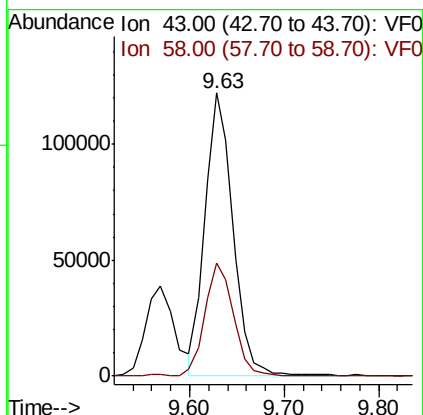
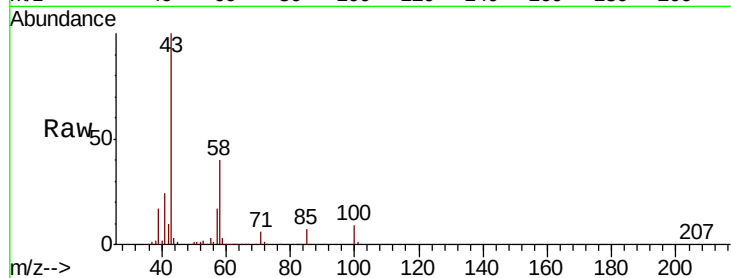




#59
2-Hexanone
Concen: 270.65 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.01 min
Lab File: VF060000.D
Acq: 20 Aug 2018 13:59

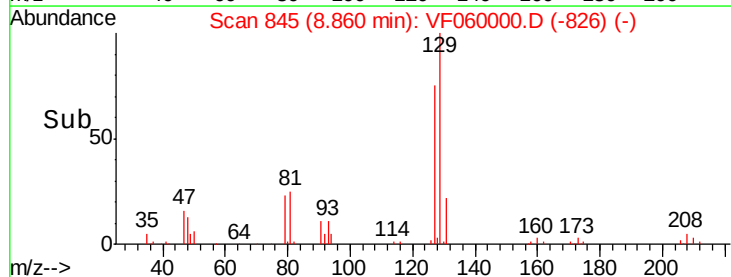
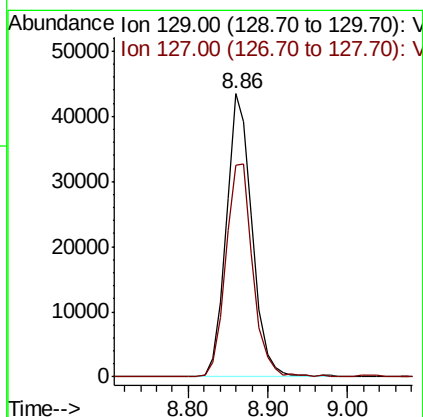
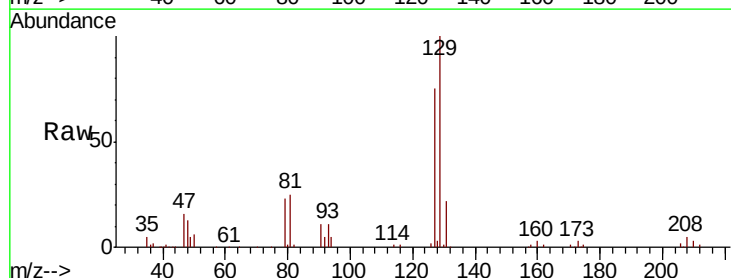
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

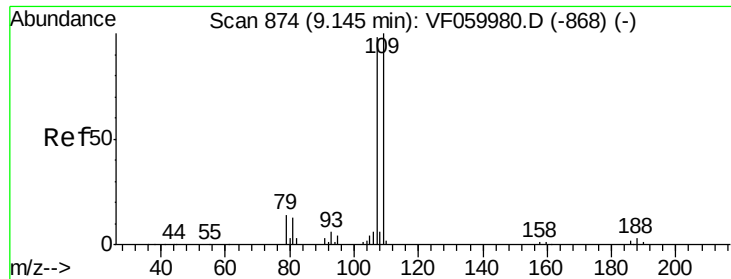
Tot Ion: 43 Resp: 250493
Ion Ratio Lower Upper
43 100
58 40.1 20.1 60.3



#60
Dibromochloromethane
Concen: 53.90 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.01 min
Lab File: VF060000.D
Acq: 20 Aug 2018 13:59

Tgt Ion: 129 Resp: 98736
Ion Ratio Lower Upper
129 100
127 74.9 39.5 118.5





#61

1,2-Dibromoethane

Concen: 52.34 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.01 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

Instrument :

MSVOA_F

ClientSampleId :

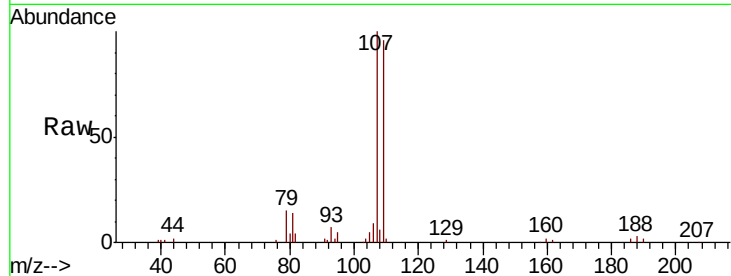
VSTDCCC050

Tot Ion:107 Resp: 65458

Ion Ratio Lower Upper

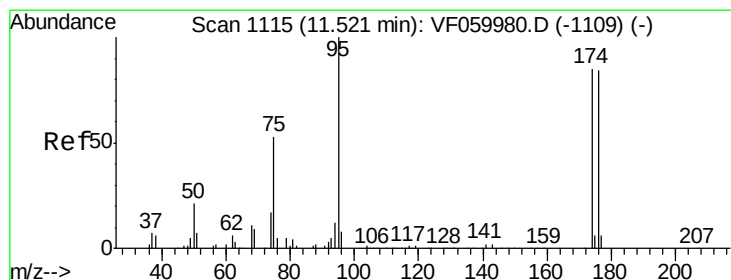
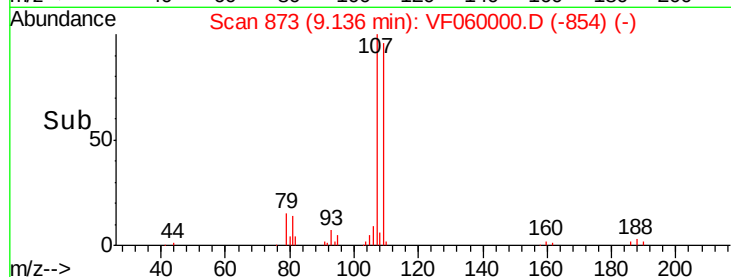
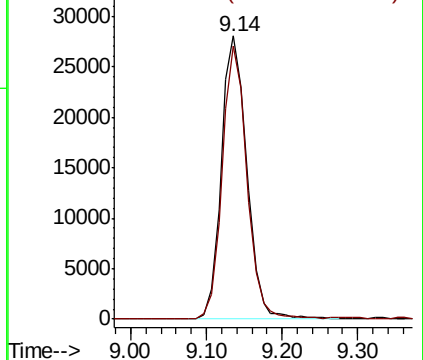
107 100

109 96.3 81.7 122.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 54.28 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

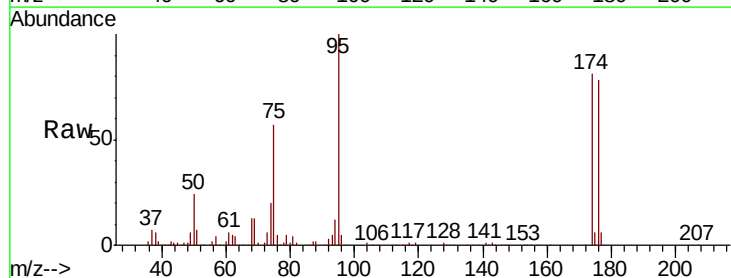
Tgt Ion: 95 Resp: 131105

Ion Ratio Lower Upper

95 100

174 81.0 0.0 169.8

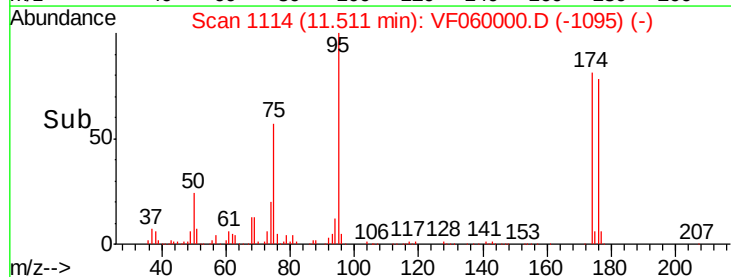
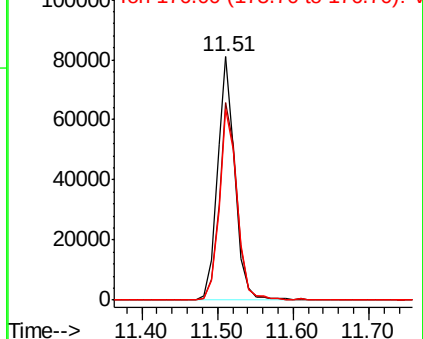
176 78.4 0.0 167.8

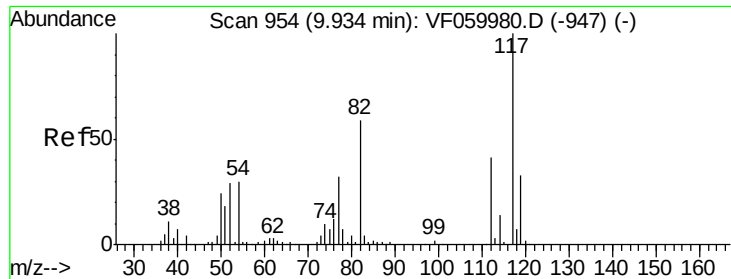


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

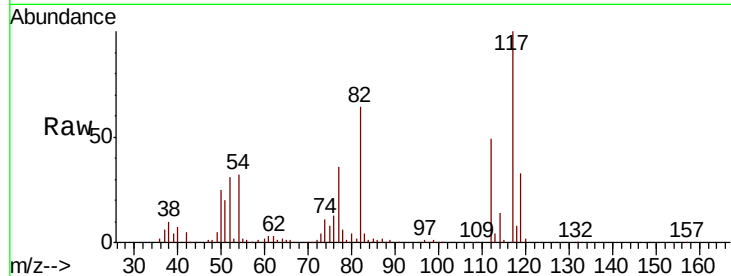




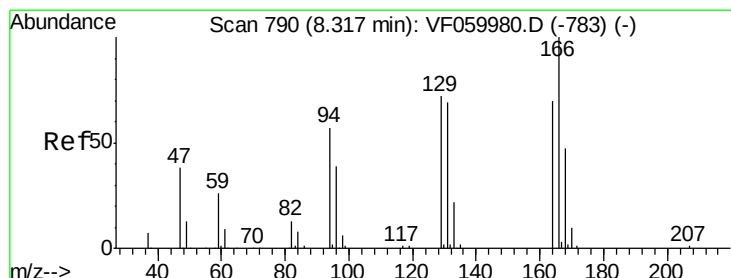
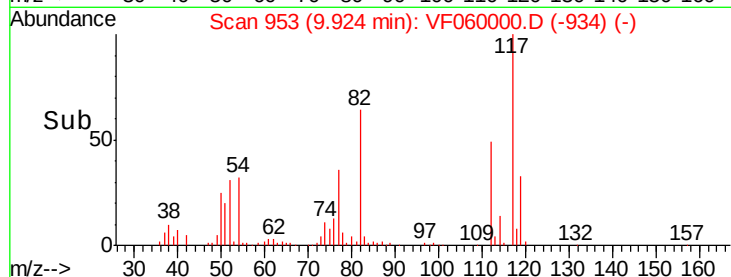
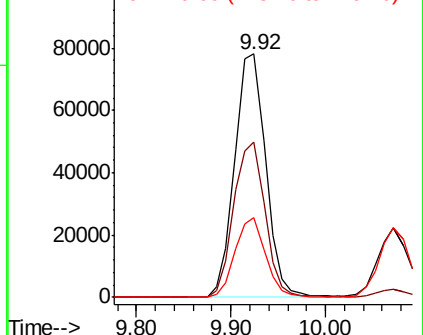
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF060000.D
Acq: 20 Aug 2018 13:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 179009
Ion Ratio Lower Upper
117 100
82 63.5 47.2 70.8
119 32.7 26.1 39.1

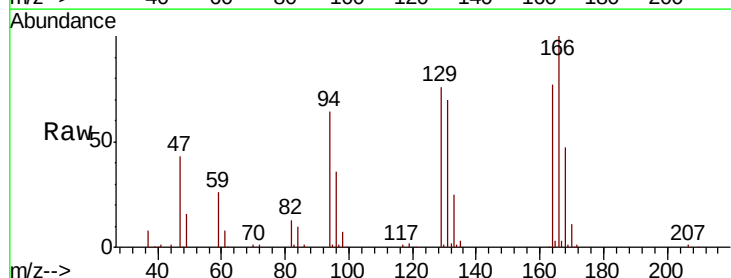


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

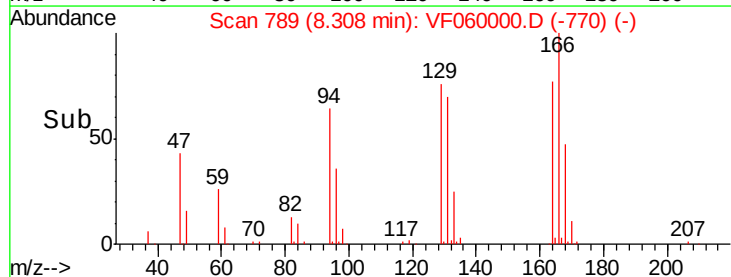
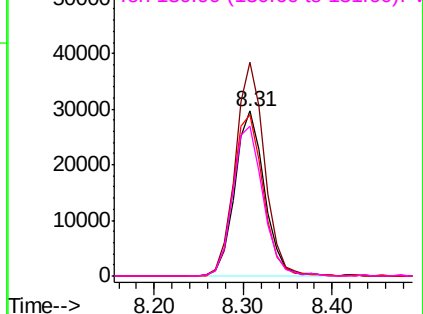


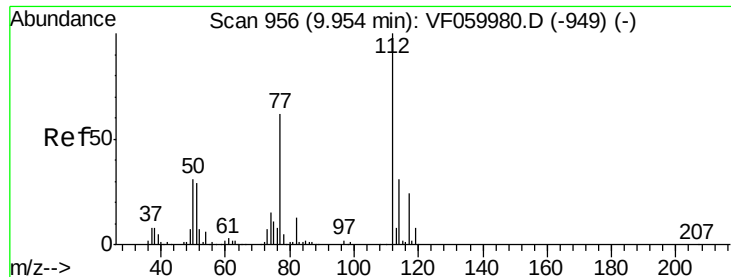
#64
Tetrachloroethene
Concen: 50.22 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.01 min
Lab File: VF060000.D
Acq: 20 Aug 2018 13:59

Tgt Ion:164 Resp: 68496
Ion Ratio Lower Upper
164 100
166 129.6 114.5 171.7
129 97.9 82.3 123.5
131 90.8 78.6 118.0



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

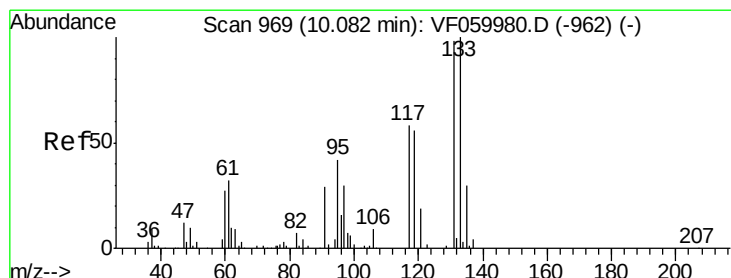
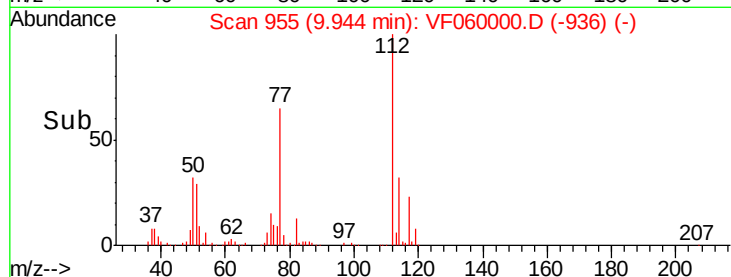
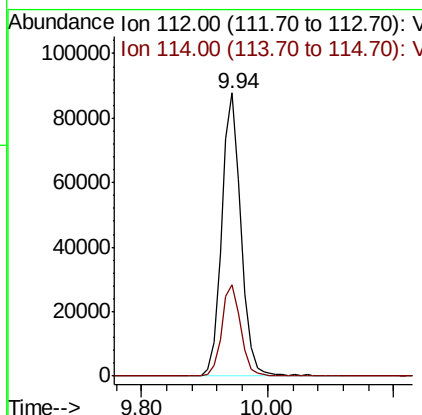
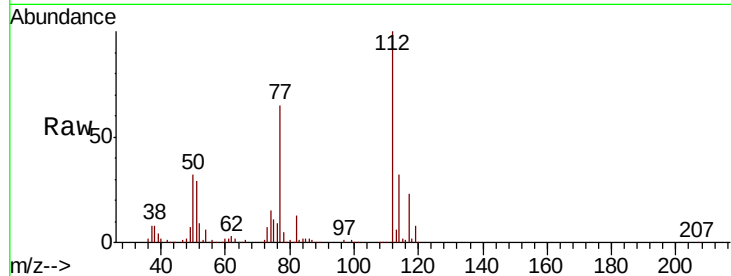




#65
Chlorobenzene
Concen: 52.86 ug/l
RT: 9.94 min Scan# 955
Delta R.T. -0.01 min
Lab File: VF060000.D
Acq: 20 Aug 2018 13:59

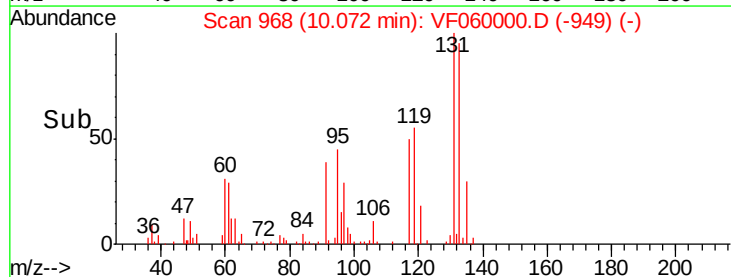
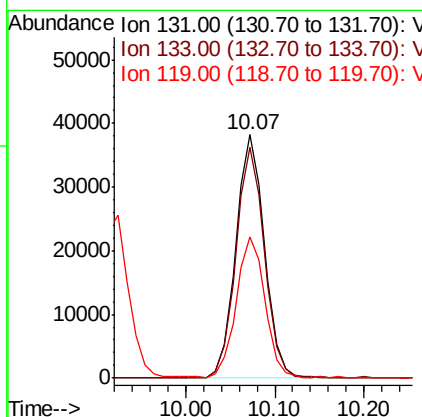
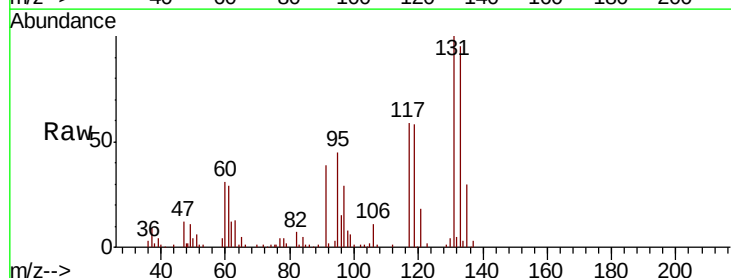
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

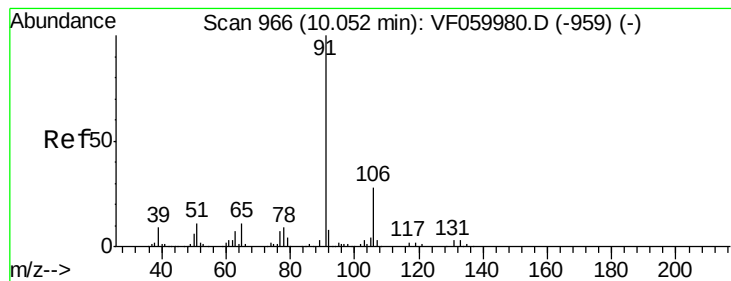
Tot Ion:112 Resp: 186749
Ion Ratio Lower Upper
112 100
114 32.2 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 52.43 ug/l
RT: 10.07 min Scan# 968
Delta R.T. -0.01 min
Lab File: VF060000.D
Acq: 20 Aug 2018 13:59

Tgt Ion:131 Resp: 85228
Ion Ratio Lower Upper
131 100
133 95.0 51.1 153.3
119 58.1 29.0 87.1





#67

Ethyl Benzene

Concen: 52.80 ug/l

RT: 10.04 min Scan# 965

Delta R.T. -0.01 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

Instrument :

MSVOA_F

ClientSampleId :

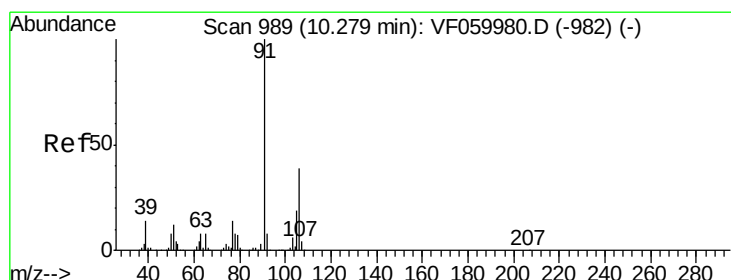
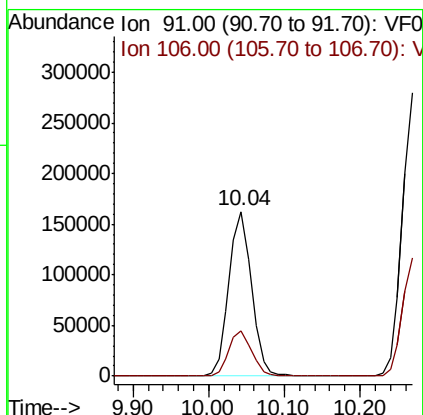
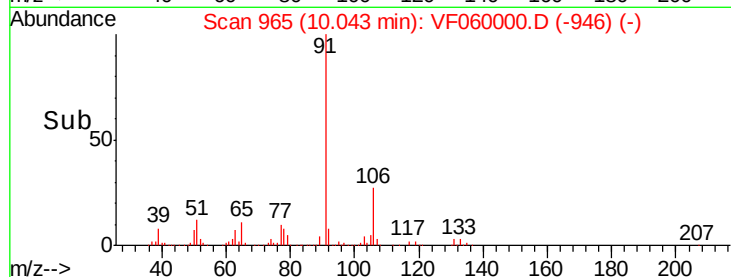
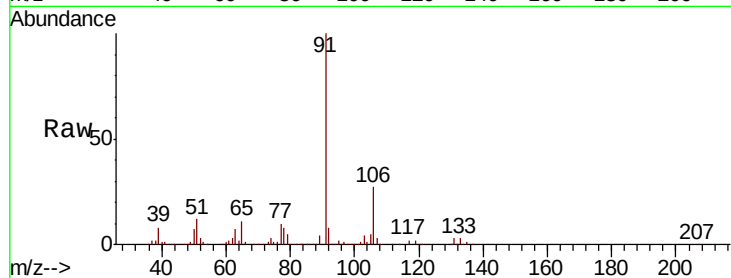
VSTDCCC050

Tot Ion: 91 Resp: 338709

Ion Ratio Lower Upper

91 100

106 27.4 22.0 33.0



#68

m/p-Xylenes

Concen: 106.82 ug/l

RT: 10.27 min Scan# 988

Delta R.T. -0.01 min

Lab File: VF060000.D

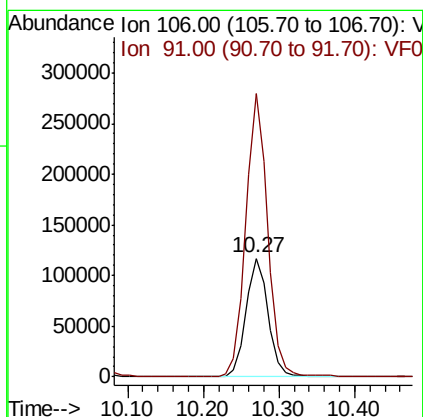
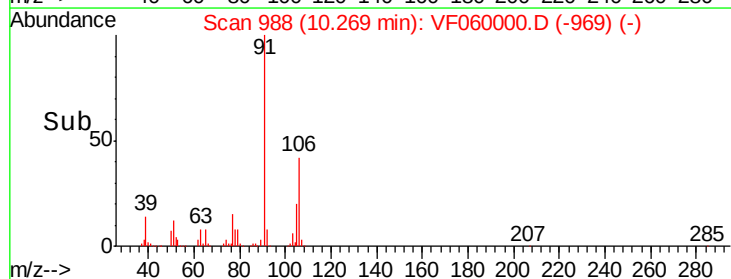
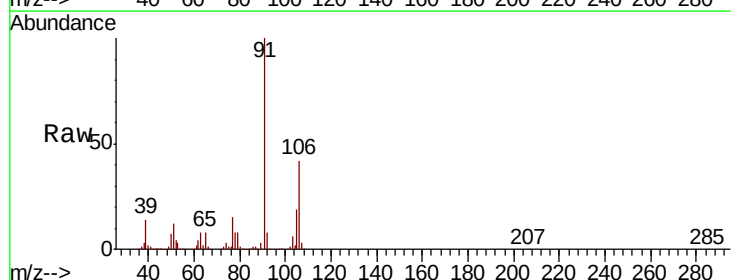
Acq: 20 Aug 2018 13:59

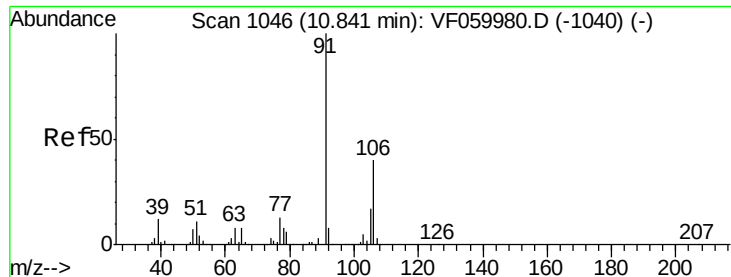
Tgt Ion: 106 Resp: 237413

Ion Ratio Lower Upper

106 100

91 238.6 203.5 305.3

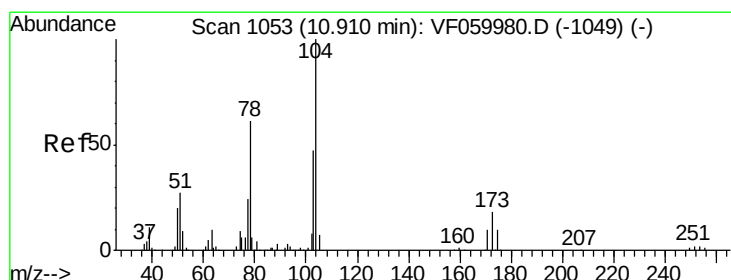
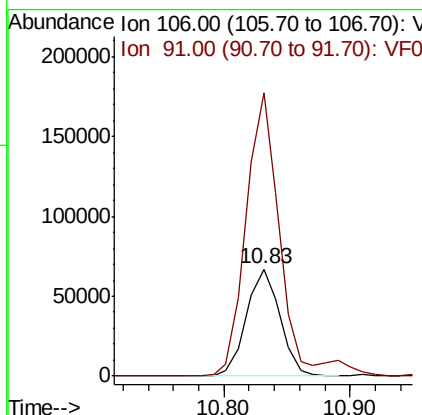
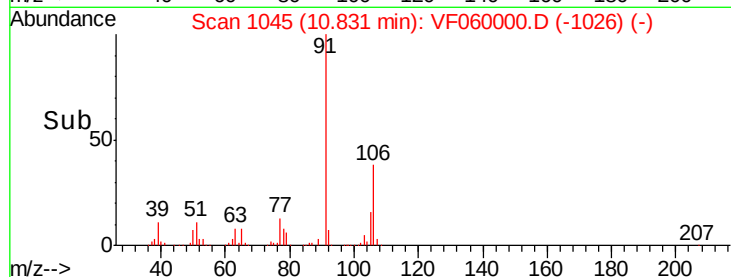
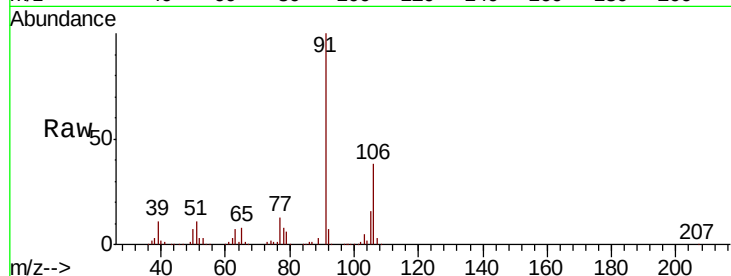




#69
o-Xylene
Concen: 54.75 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. -0.01 min
Lab File: VF060000.D
Acq: 20 Aug 2018 13:59

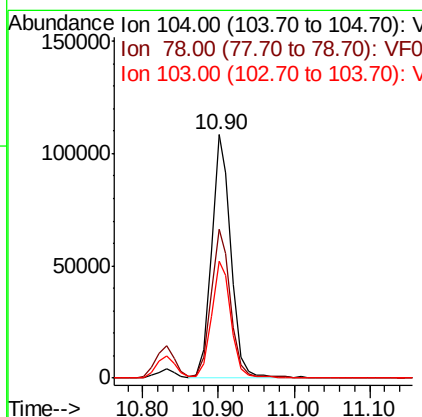
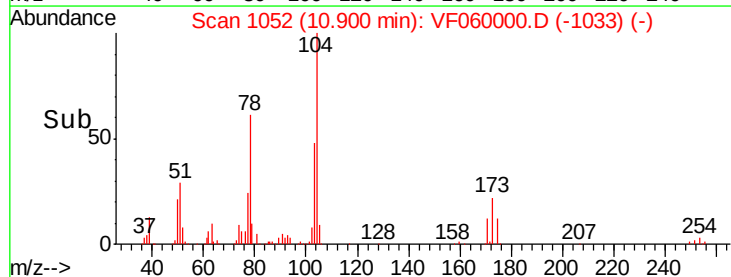
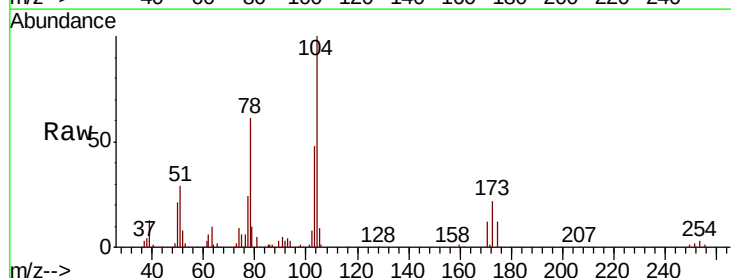
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

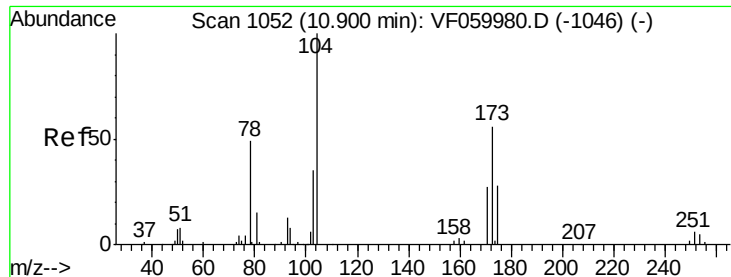
Tot Ion:106 Resp: 124737
Ion Ratio Lower Upper
106 100
91 263.9 125.4 376.2



#70
Styrene
Concen: 53.53 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF060000.D
Acq: 20 Aug 2018 13:59

Tgt Ion:104 Resp: 195408
Ion Ratio Lower Upper
104 100
78 61.2 49.0 73.6
103 47.9 38.2 57.4





#71

Bromoform

Concen: 53.10 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

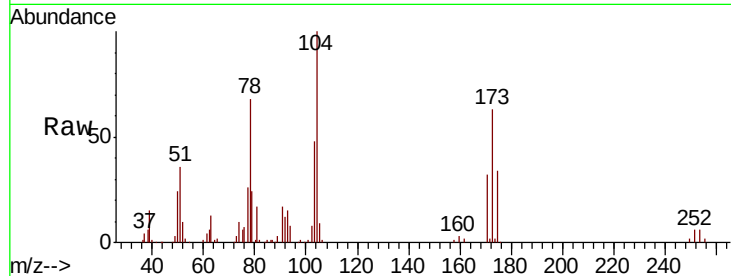
Tot Ion:173 Resp: 63811

Ion Ratio Lower Upper

173 100

175 52.5 24.8 74.3

254 0.0 0.0 0.0

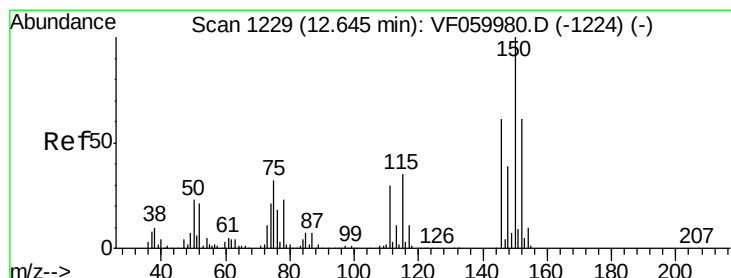
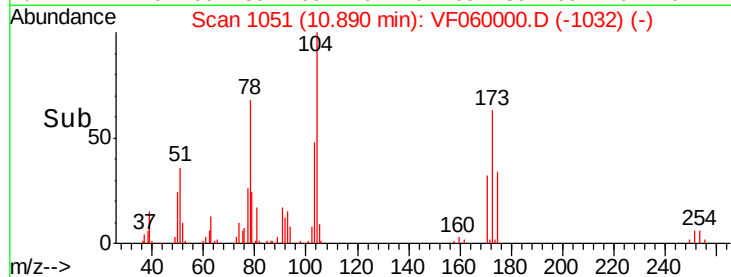
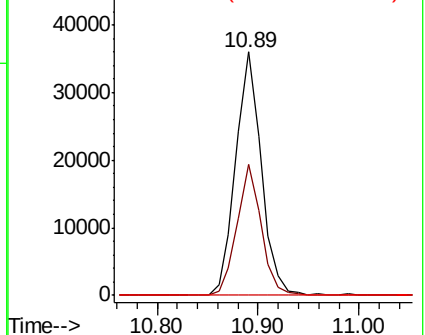


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

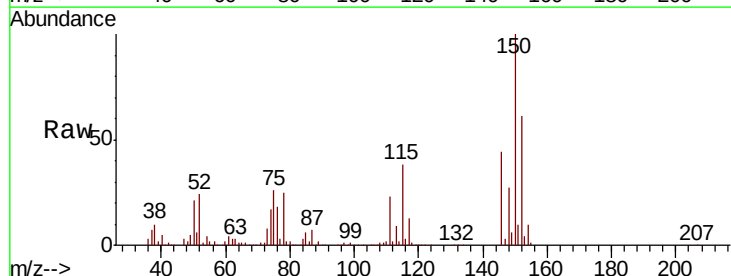
Tgt Ion:152 Resp: 122063

Ion Ratio Lower Upper

152 100

115 62.8 29.1 87.3

150 165.1 0.0 330.2

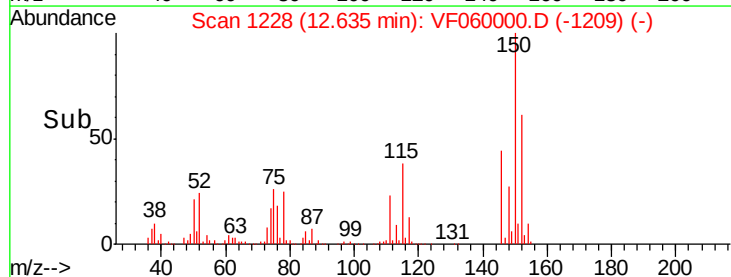
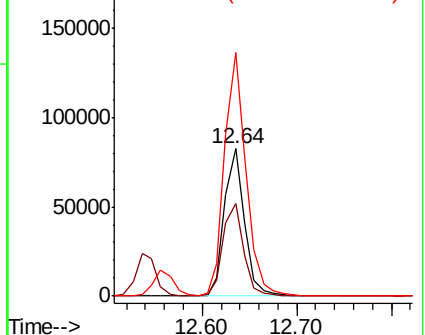


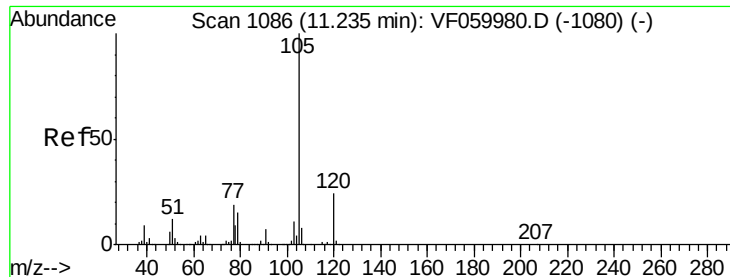
Abundance

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: 56.15 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

Instrument :

MSVOA_F

ClientSampleId :

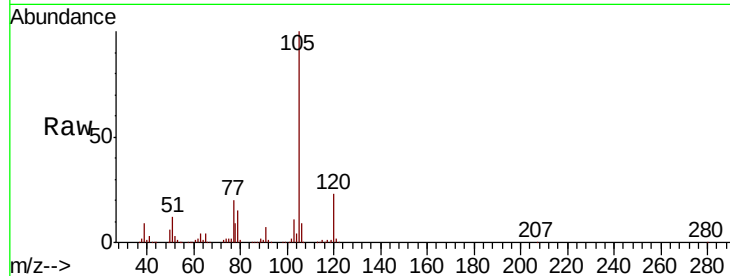
VSTDCCC050

Tot Ion:105 Resp: 410867

Ion Ratio Lower Upper

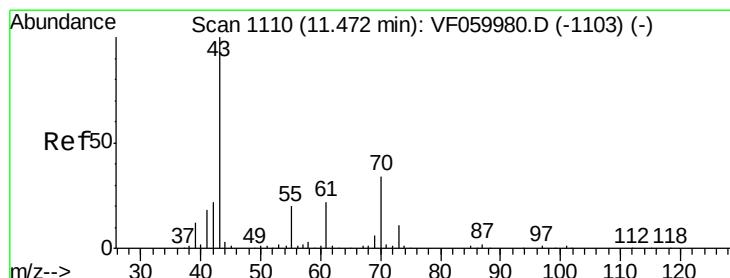
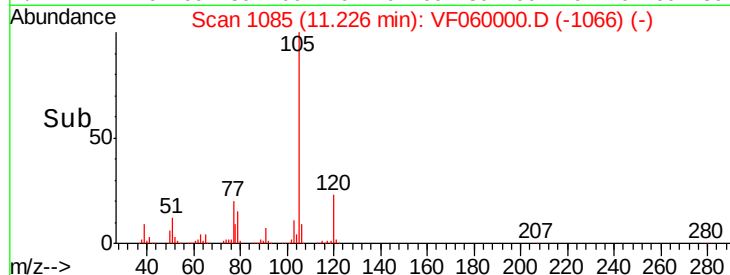
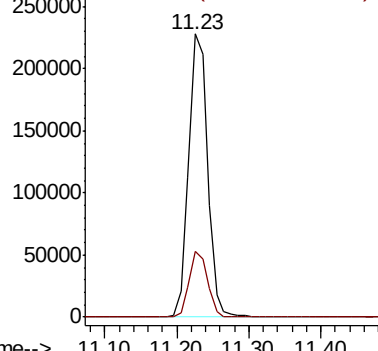
105 100

120 23.4 11.9 35.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 57.24 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

Tgt Ion: 43 Resp: 118870

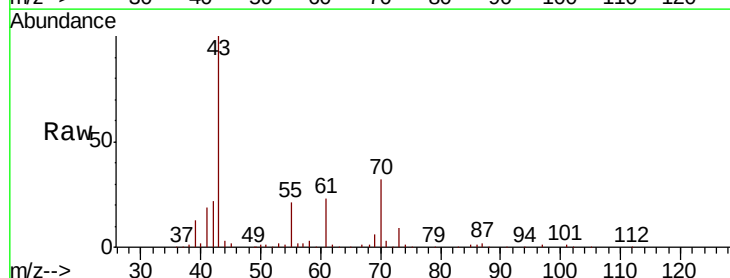
Ion Ratio Lower Upper

43 100

70 32.4 27.2 40.8

55 21.3 16.4 24.6

61 23.4 17.6 26.4

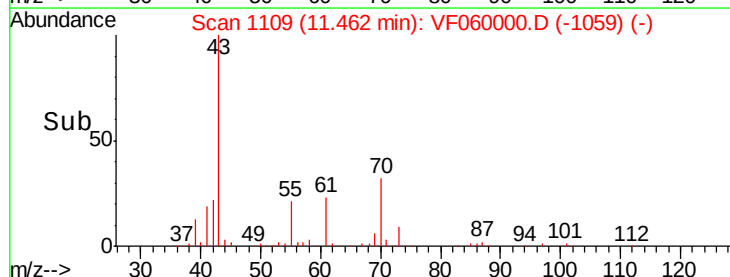
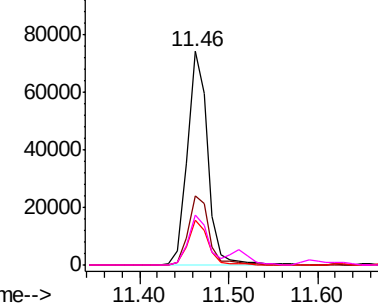


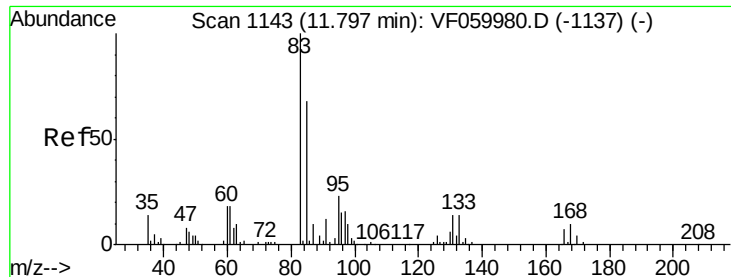
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.32 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

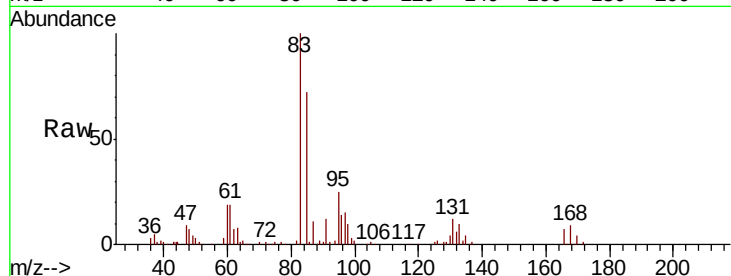
Tot Ion: 83 Resp: 75177

Ion	Ratio	Lower	Upper
83	100		
131	12.2	7.2	21.6
85	72.6	34.1	102.2

83 100

131 12.2 7.2 21.6

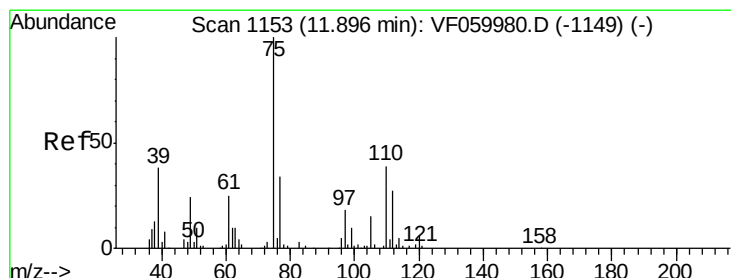
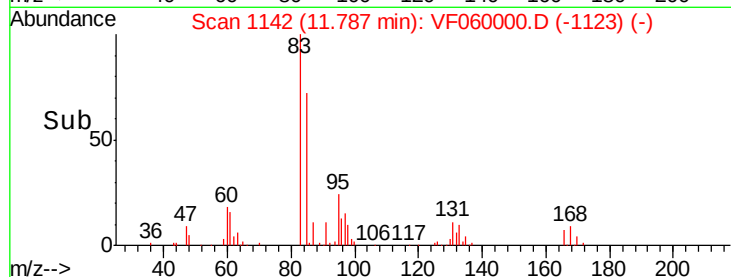
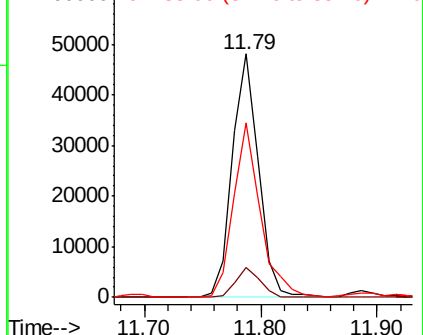
85 72.6 34.1 102.2



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: 51.19 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VF060000.D

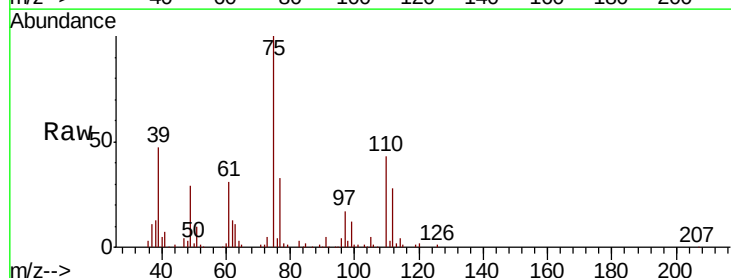
Acq: 20 Aug 2018 13:59

Tgt Ion: 75 Resp: 65136

Ion	Ratio	Lower	Upper
75	100		
77	32.9	17.1	51.3

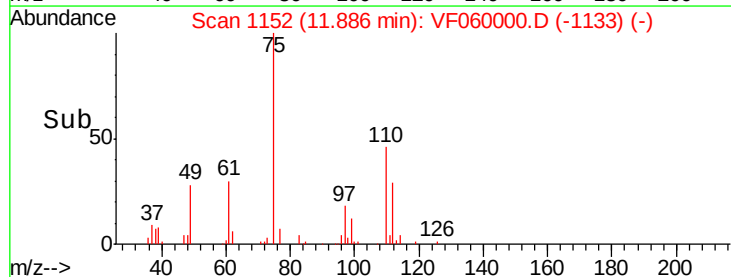
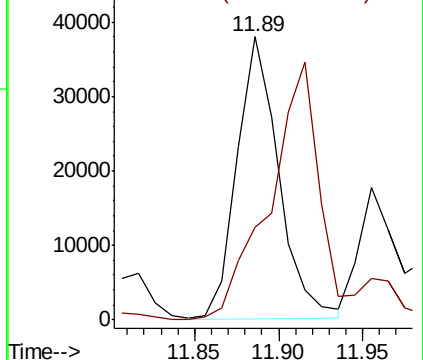
75 100

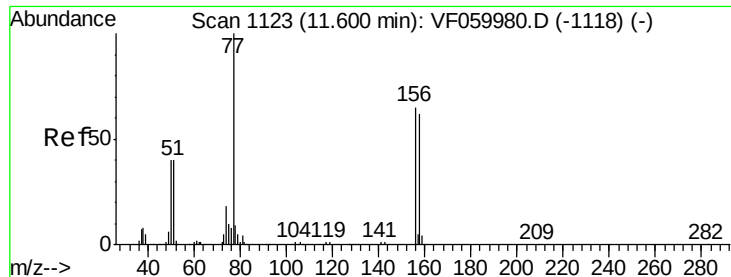
77 32.9 17.1 51.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 51.54 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

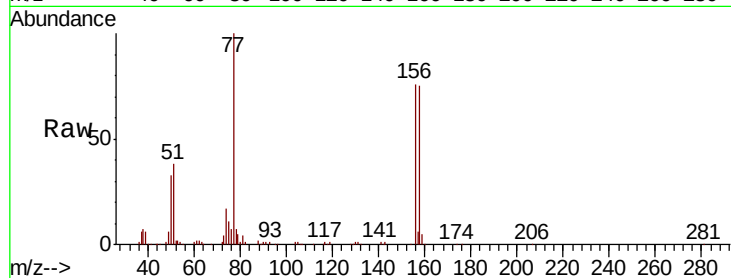
Tot Ion:156 Resp: 105187

Ion Ratio Lower Upper

156 100

77 131.9 76.9 230.7

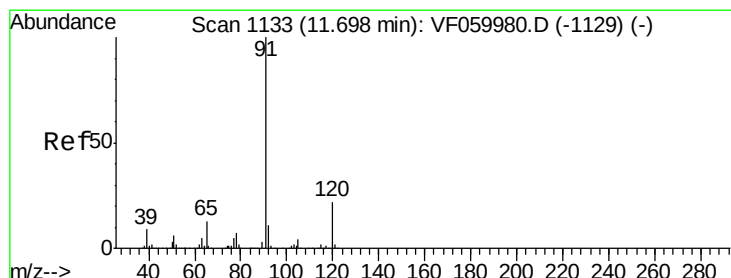
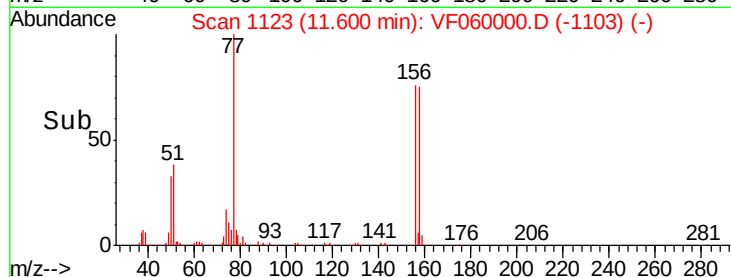
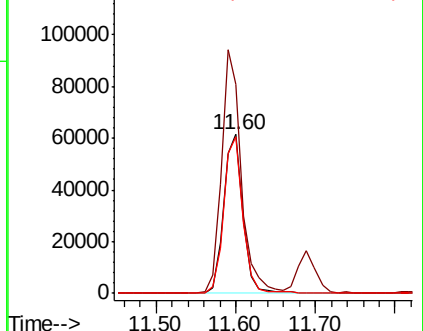
158 98.4 47.7 143.1



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: 52.53 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. -0.01 min

Lab File: VF060000.D

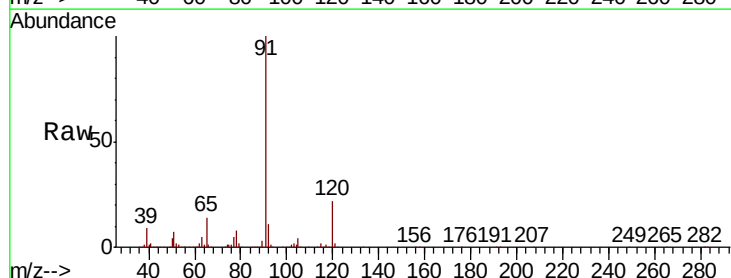
Acq: 20 Aug 2018 13:59

Tgt Ion: 91 Resp: 477206

Ion Ratio Lower Upper

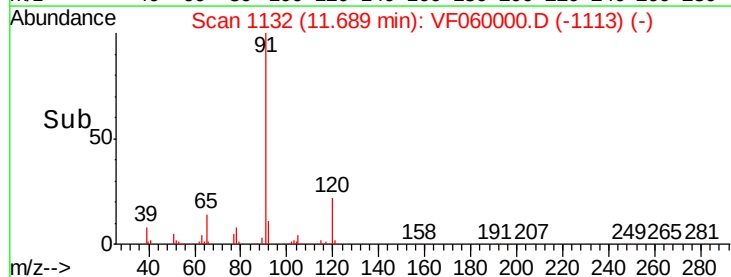
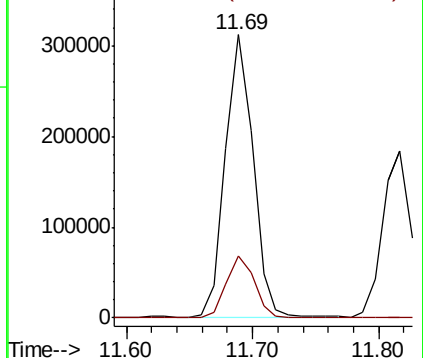
91 100

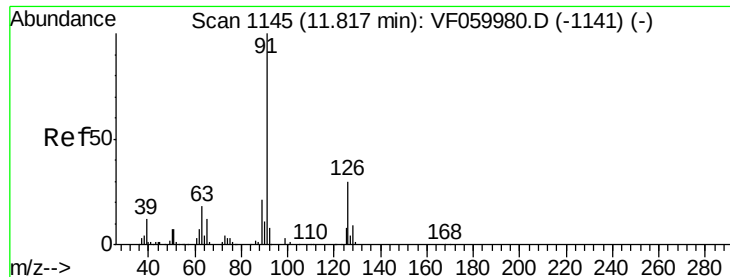
120 22.0 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.47 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

Instrument :

MSVOA_F

ClientSampleId :

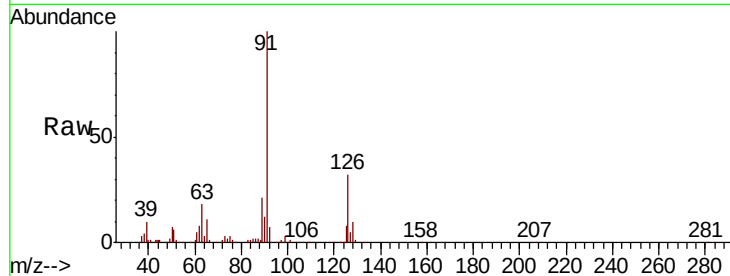
VSTDCCC050

Tot Ion: 91 Resp: 289588

Ion Ratio Lower Upper

91 100

126 32.0 14.7 44.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

11.82

200000

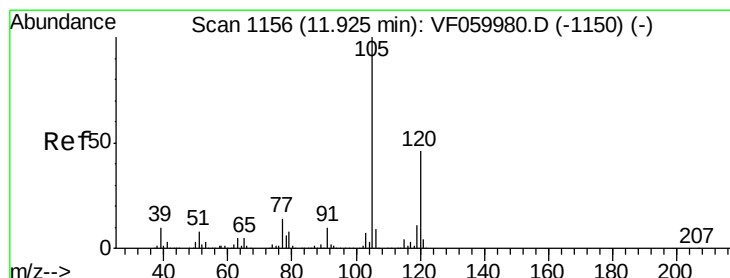
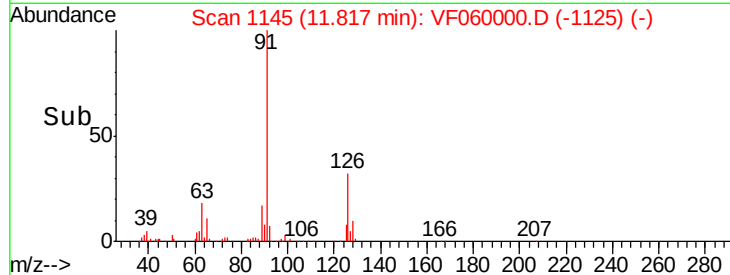
150000

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 55.10 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VF060000.D

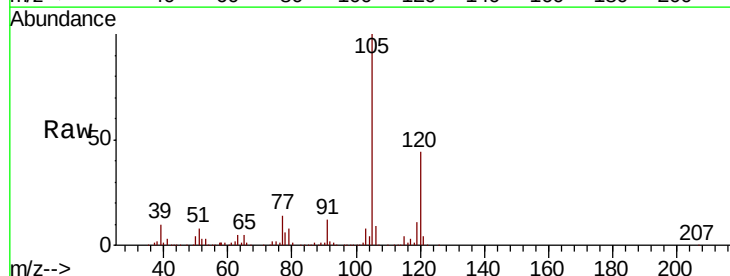
Acq: 20 Aug 2018 13:59

Tgt Ion:105 Resp: 364580

Ion Ratio Lower Upper

105 100

120 43.8 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.92

250000

200000

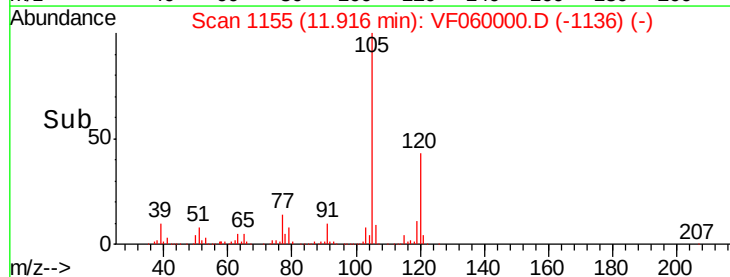
150000

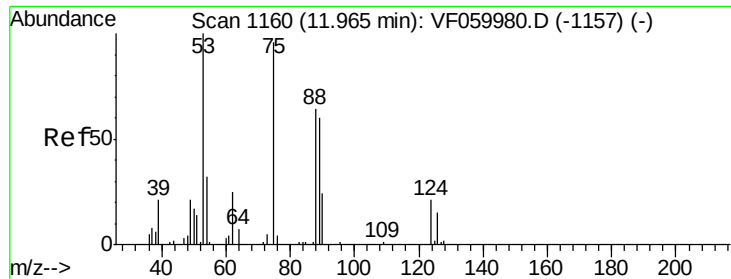
100000

50000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 70.88 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

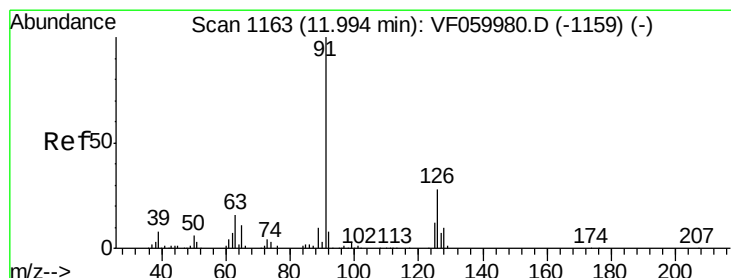
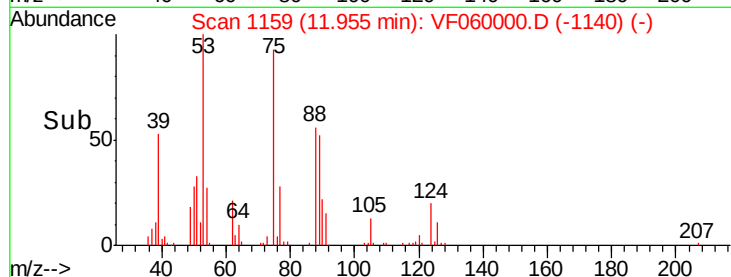
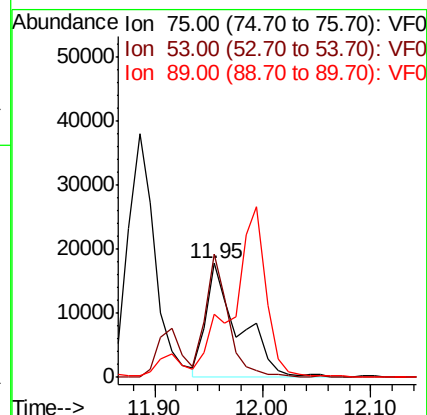
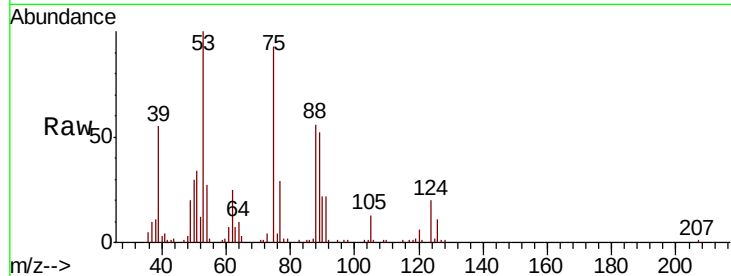
Tot Ion: 75 Resp: 38069

Ion Ratio Lower Upper

75 100

53 108.0 87.4 131.0

89 55.7 52.8 79.2



#82

4-Chlorotoluene

Concen: 54.65 ug/l

RT: 11.99 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VF060000.D

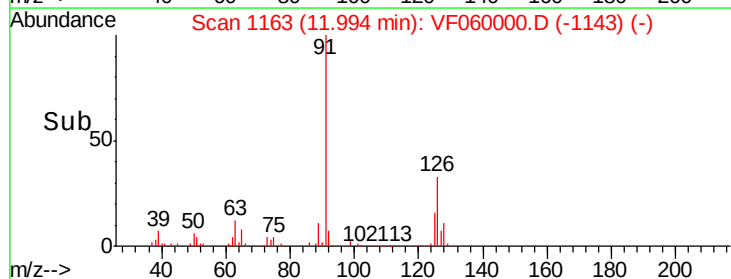
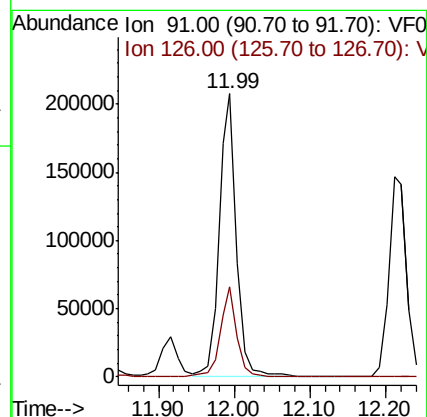
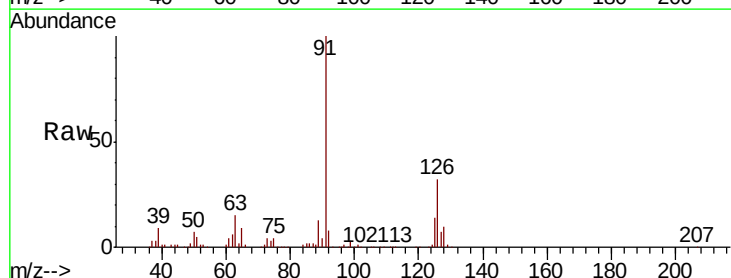
Acq: 20 Aug 2018 13:59

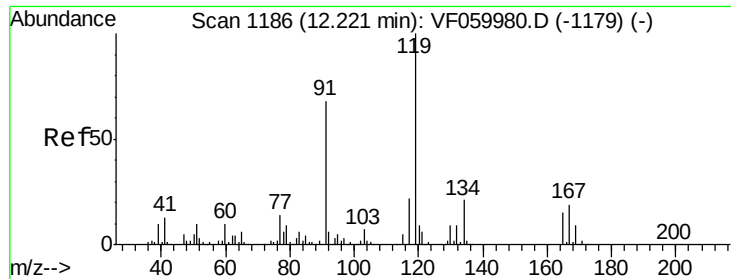
Tgt Ion: 91 Resp: 330045

Ion Ratio Lower Upper

91 100

126 31.8 14.1 42.4

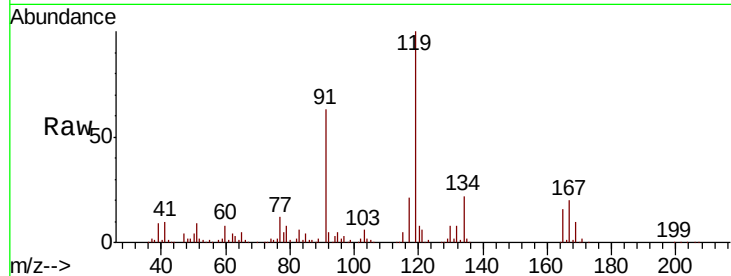




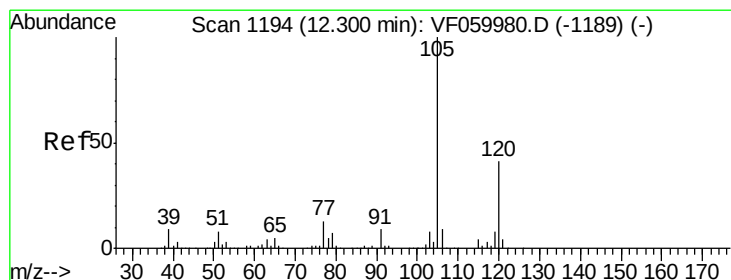
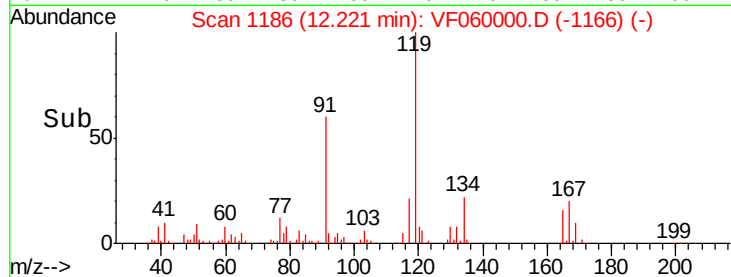
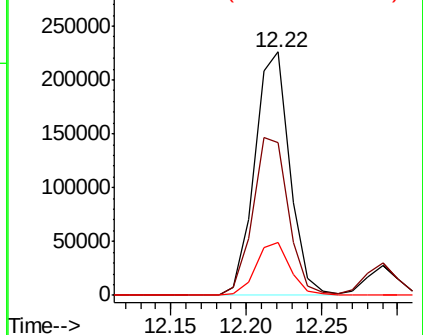
#83
 tert-Butylbenzene
 Concen: 56.45 ug/l
 RT: 12.22 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: VF060000.D
 Acq: 20 Aug 2018 13:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 366923
 Ion Ratio Lower Upper
 119 100
 91 62.5 34.1 102.2
 134 21.9 10.5 31.6

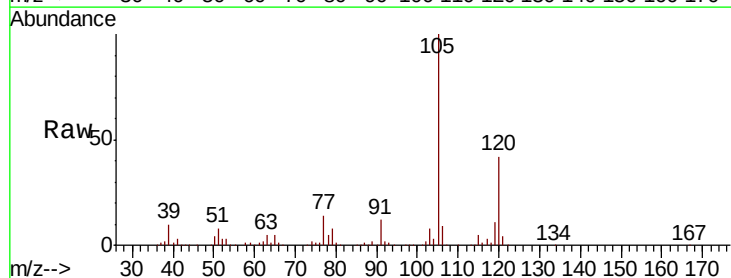


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

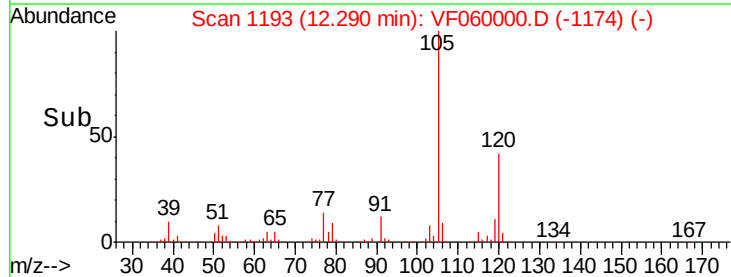
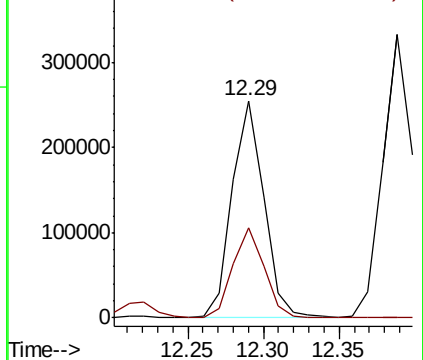


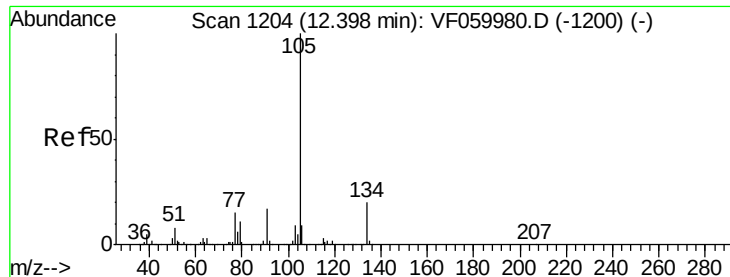
#84
 1,2,4-Trimethylbenzene
 Concen: 53.77 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: VF060000.D
 Acq: 20 Aug 2018 13:59

Tgt Ion:105 Resp: 374619
 Ion Ratio Lower Upper
 105 100
 120 41.6 20.9 62.7



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





#85

sec-Butylbenzene

Concen: 54.84 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

Instrument :

MSVOA_F

ClientSampleId :

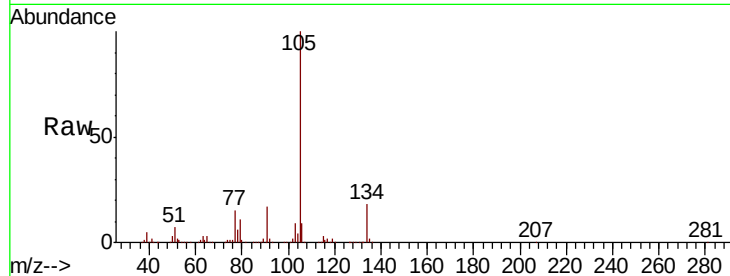
VSTDCCC050

Tot Ion:105 Resp: 471194

Ion Ratio Lower Upper

105 100

134 18.1 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.39

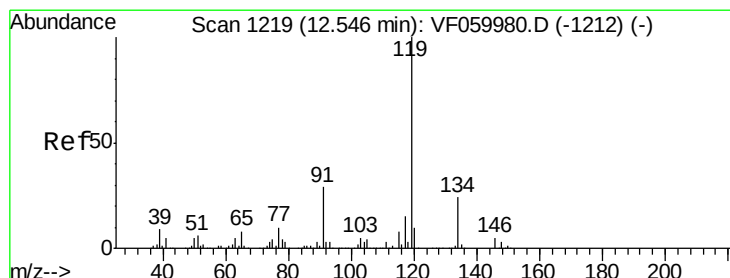
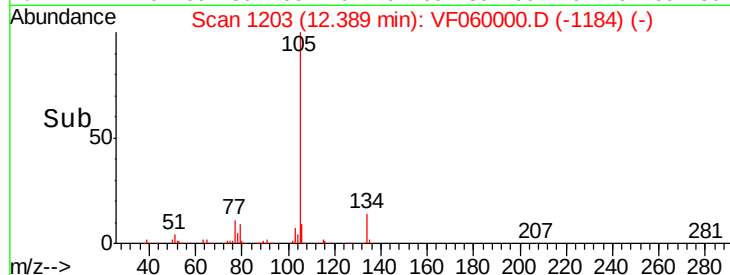
300000

200000

100000

0

Time--> 12.30 12.40 12.50



#86

p-Isopropyltoluene

Concen: 55.27 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

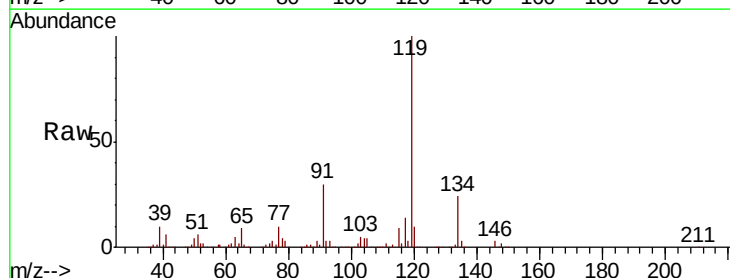
Tgt Ion:119 Resp: 420012

Ion Ratio Lower Upper

119 100

134 23.6 12.1 36.3

91 29.9 14.4 43.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

12.54

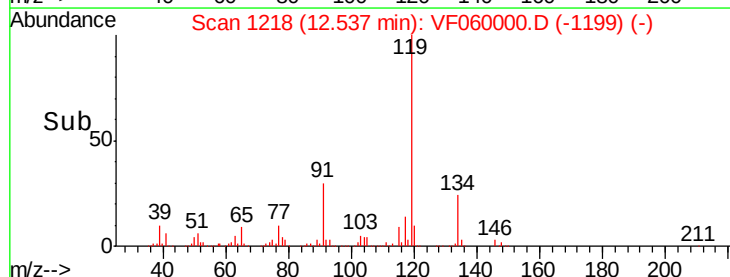
300000

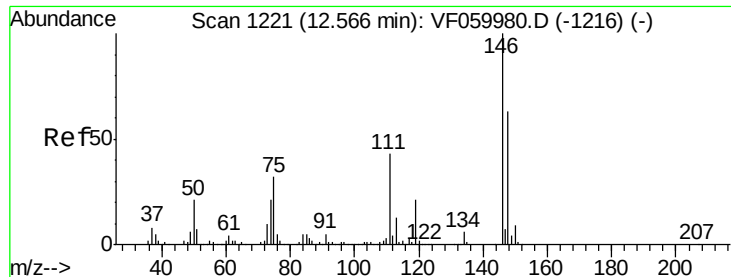
200000

100000

0

Time--> 12.40 12.50 12.60 12.70

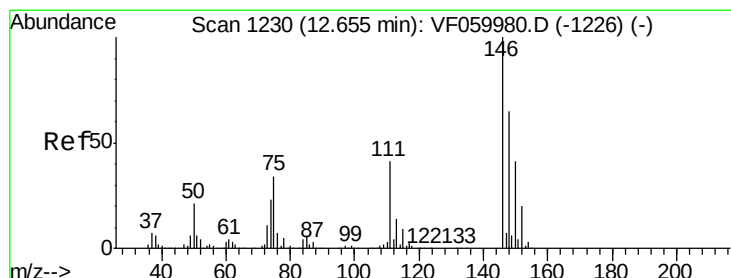
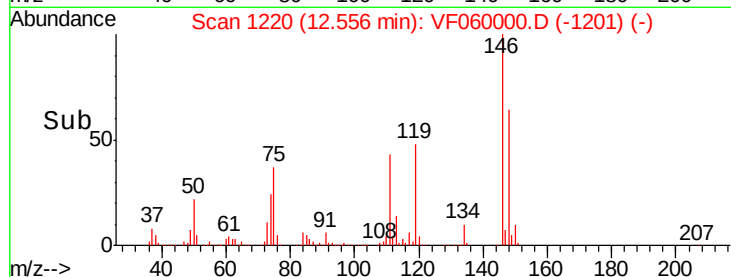
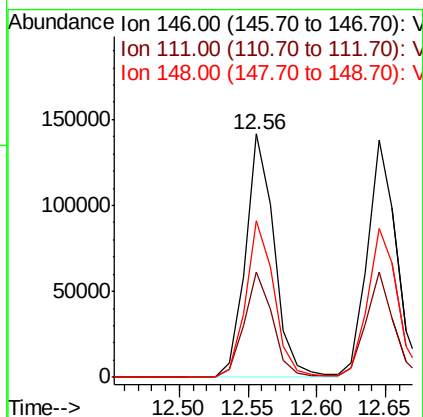
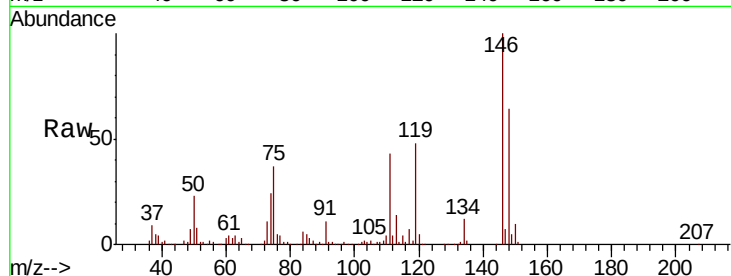




#87
 1,3-Dichlorobenzene
 Concen: 52.94 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.01 min
 Lab File: VF060000.D
 Acq: 20 Aug 2018 13:59

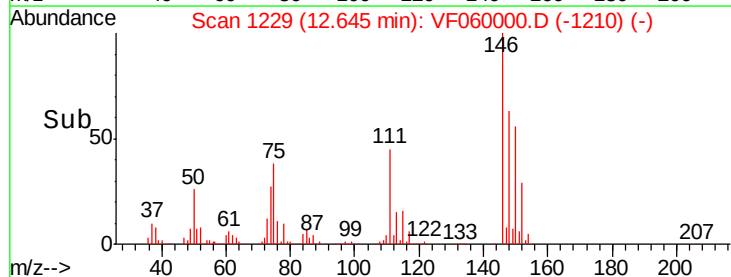
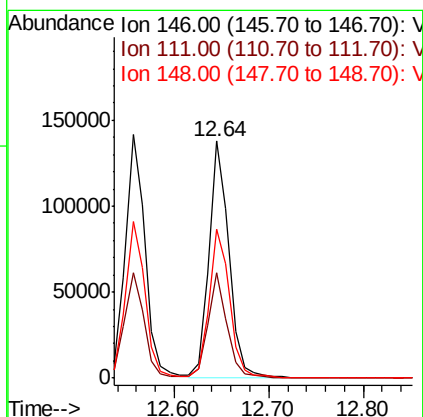
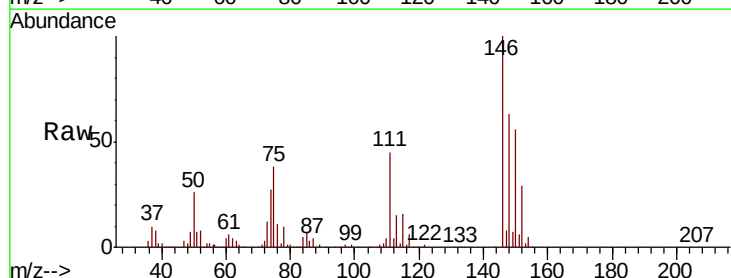
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

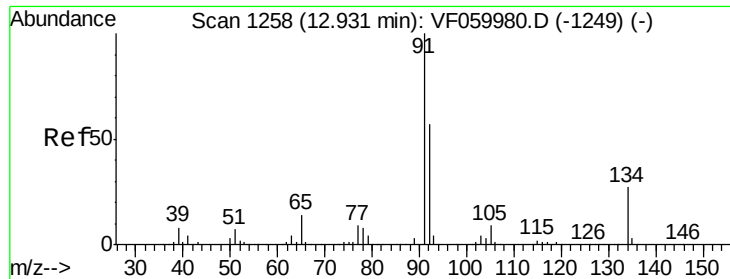
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.3	63.7
148	64.2	31.6	95.0



#88
 1,4-Dichlorobenzene
 Concen: 53.66 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VF060000.D
 Acq: 20 Aug 2018 13:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.7	20.3	61.0
148	62.7	32.6	97.8





#89

n-Butylbenzene

Concen: 55.27 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. -0.01 min

Lab File: VF060000.D

Acq: 20 Aug 2018 13:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

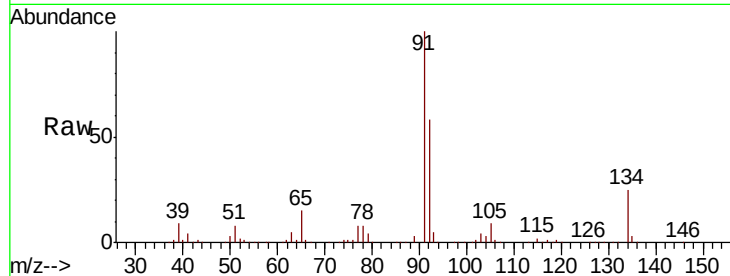
Tot Ion: 91 Resp: 405901

Ion Ratio Lower Upper

91 100

92 58.1 28.7 86.3

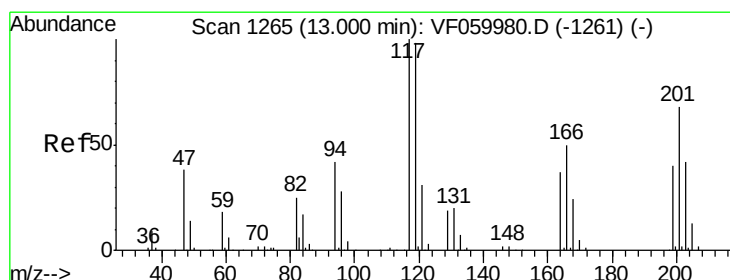
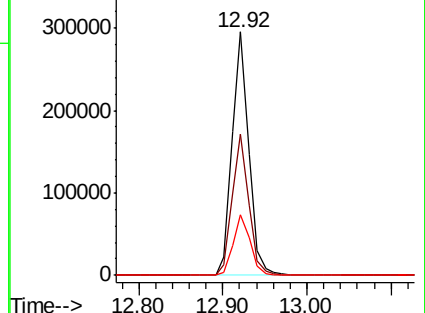
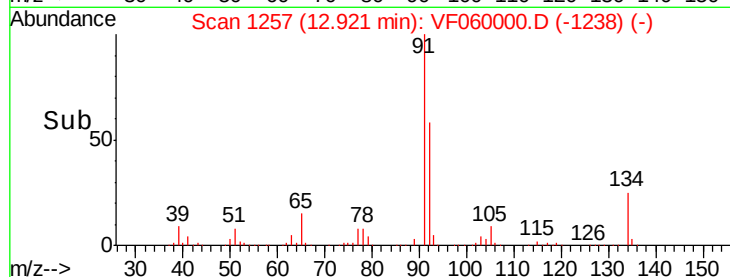
134 25.0 13.3 39.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 56.46 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VF060000.D

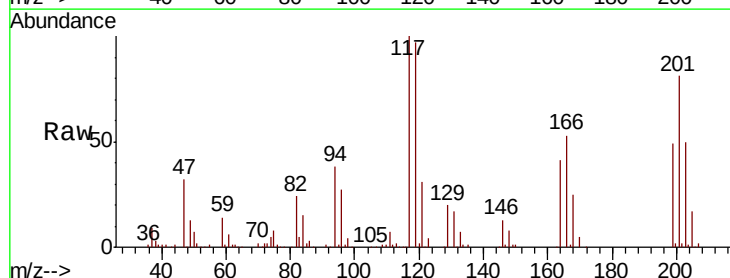
Acq: 20 Aug 2018 13:59

Tgt Ion: 117 Resp: 96645

Ion Ratio Lower Upper

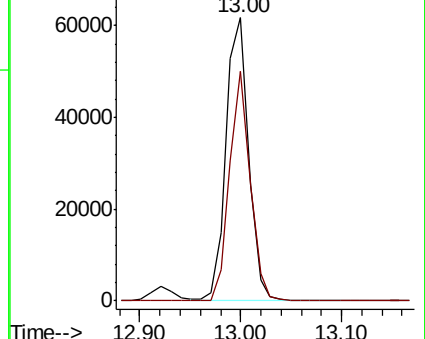
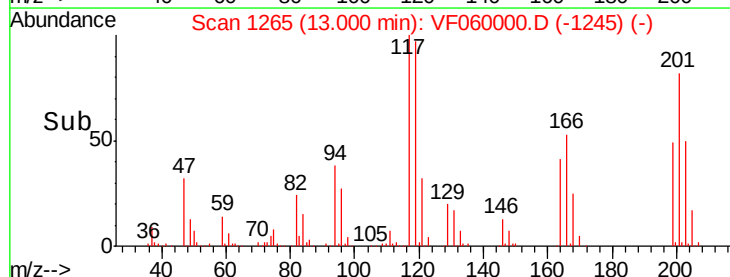
117 100

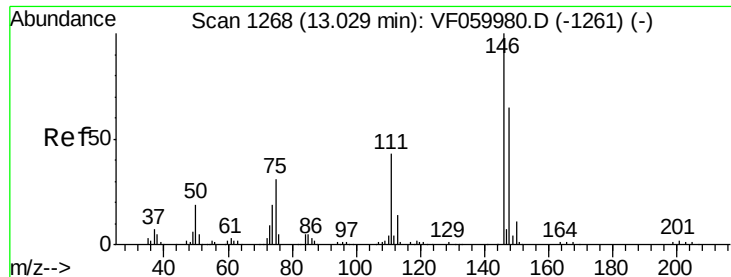
201 81.2 34.5 103.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

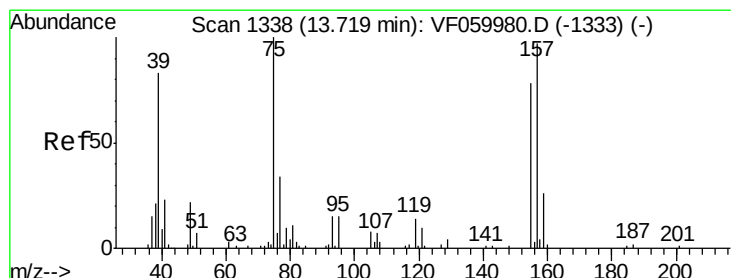
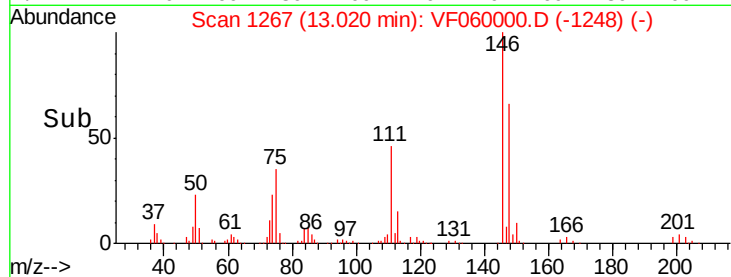
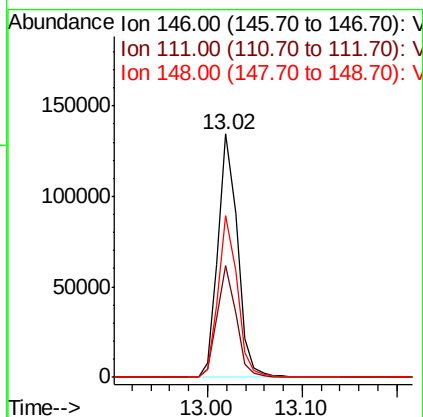
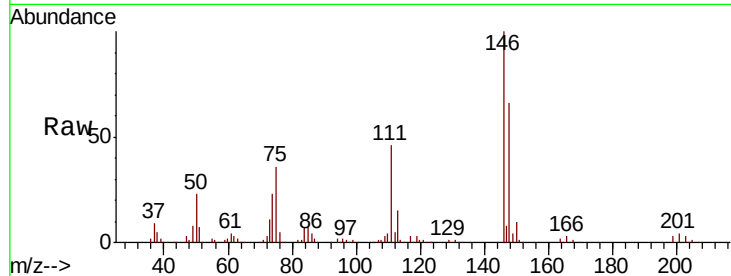




#91
 1,2-Dichlorobenzene
 Concen: 52.14 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VF060000.D
 Acq: 20 Aug 2018 13:59

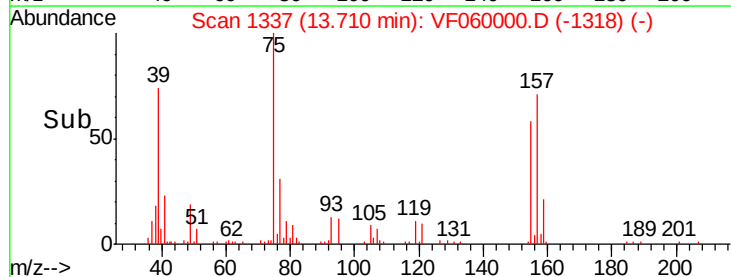
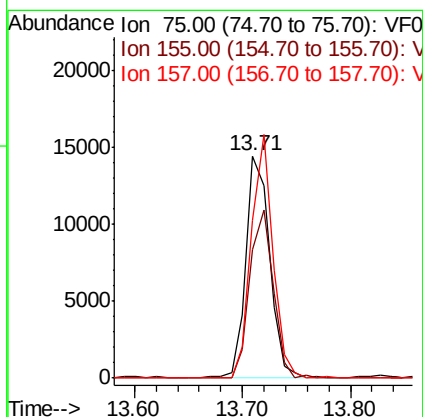
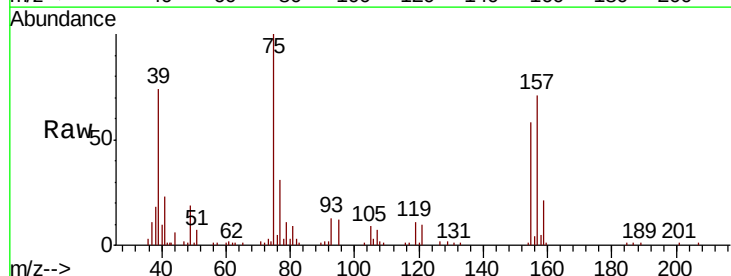
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

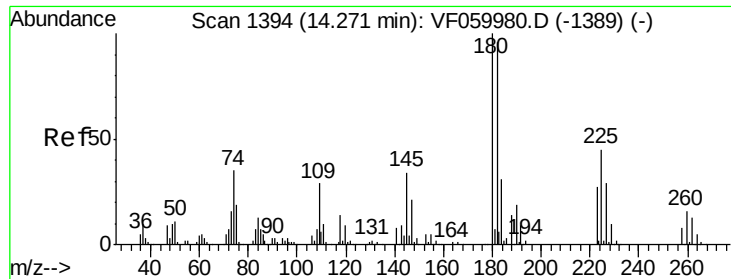
Tot Ion:146 Resp: 194421
 Ion Ratio Lower Upper
 146 100
 111 45.7 21.4 64.3
 148 66.4 32.5 97.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.75 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VF060000.D
 Acq: 20 Aug 2018 13:59

Tgt Ion: 75 Resp: 22153
 Ion Ratio Lower Upper
 75 100
 155 57.8 38.9 116.7
 157 70.9 50.8 152.5

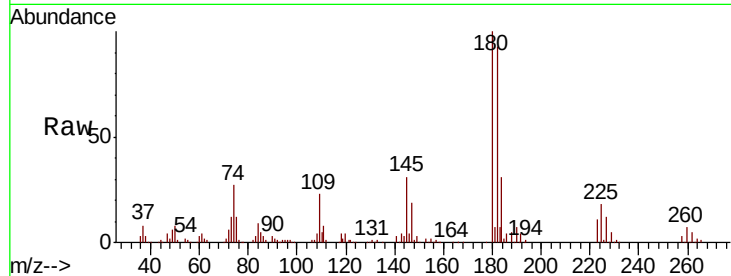




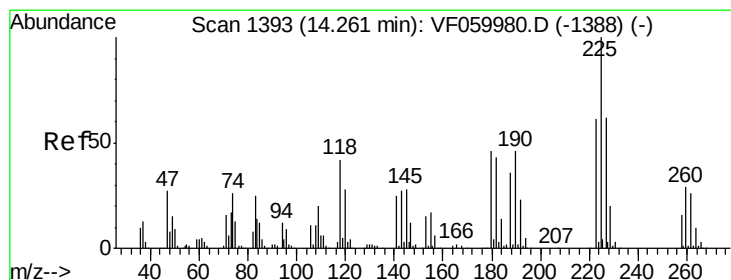
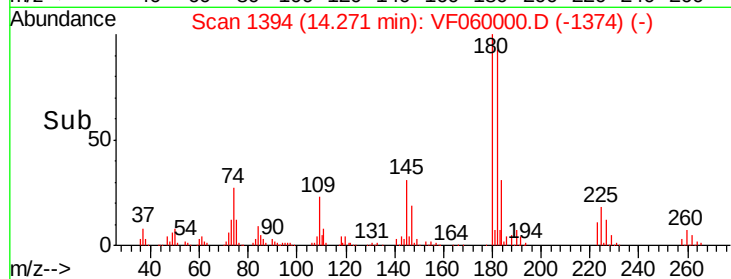
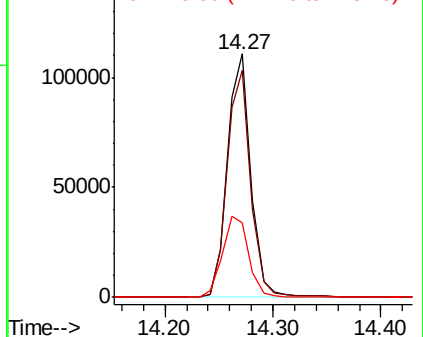
#93
 1,2,4-Trichlorobenzene
 Concen: 54.97 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF060000.D
 Acq: 20 Aug 2018 13:59

Instrument :
 MSVOA_F
 ClientSampled :
 VSTDCCC050

Tot Ion:180 Resp: 167262
 Ion Ratio Lower Upper
 180 100
 182 93.4 47.9 143.6
 145 30.6 17.2 51.5

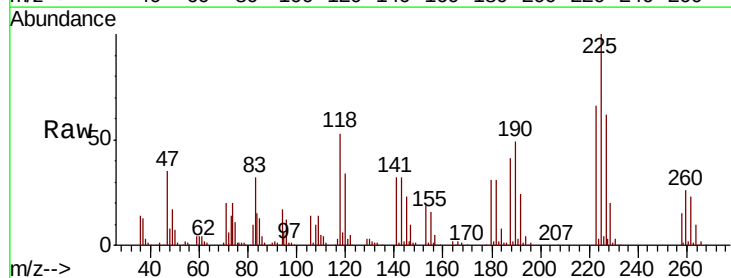


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

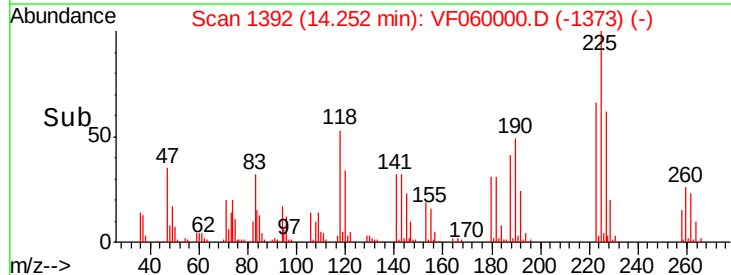
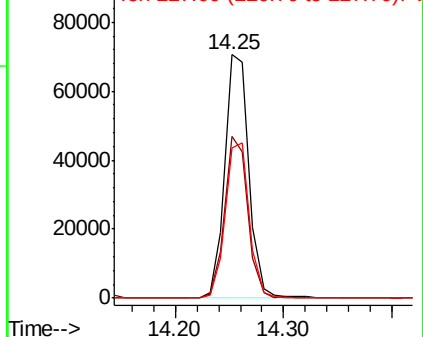


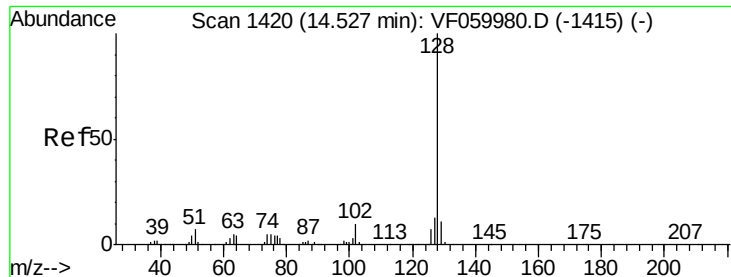
#94
 Hexachlorobutadiene
 Concen: 53.79 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF060000.D
 Acq: 20 Aug 2018 13:59

Tgt Ion:225 Resp: 109646
 Ion Ratio Lower Upper
 225 100
 223 66.2 29.1 87.4
 227 61.5 29.8 89.5



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

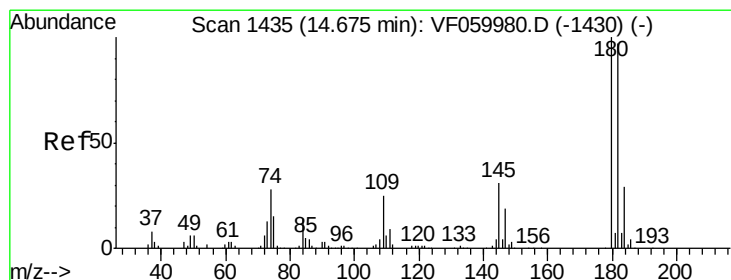
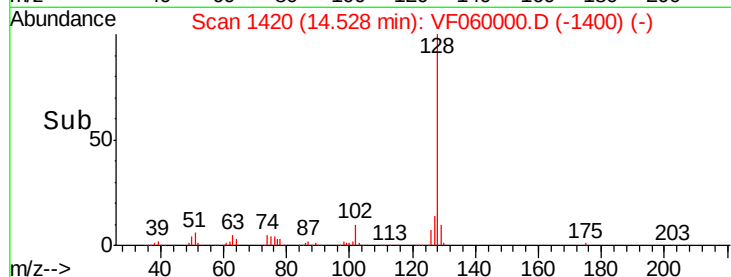
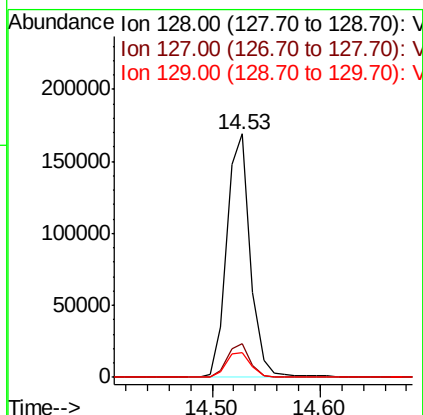
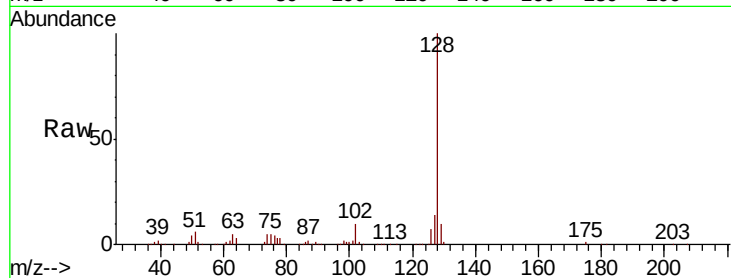




#95
Naphthalene
Concen: 60.13 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF060000.D
Acq: 20 Aug 2018 13:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 257528
Ion Ratio Lower Upper
128 100
127 13.6 10.2 15.2
129 10.4 9.0 13.4



#96
1,2,3-Trichlorobenzene
Concen: 55.00 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. -0.01 min
Lab File: VF060000.D
Acq: 20 Aug 2018 13:59

Tgt Ion:180 Resp: 161339
Ion Ratio Lower Upper
180 100
182 95.6 48.5 145.5
145 33.8 15.7 47.1

