

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072518\
 Data File : VF059656.D
 Acq On : 25 Jul 2018 13:30
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 81 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 25 13:47:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 02:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	256783	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.76	114	328074	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	302222	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	177706	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	137851	38.53	ug/l	0.02
Spiked Amount	50.000		Recovery	=	77.06%	
35) Dibromofluoromethane	4.29	113	146424	49.59	ug/l	0.02
Spiked Amount	50.000		Recovery	=	99.18%	
50) Toluene-d8	7.71	98	402438	55.92	ug/l	0.02
Spiked Amount	50.000		Recovery	=	111.84%	
62) 4-Bromofluorobenzene	11.51	95	177746	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	135909	45.21	ug/l	94
3) Chloromethane	1.09	50	81304	55.16	ug/l	97
4) Vinyl Chloride	1.15	62	90711	54.65	ug/l	98
5) Bromomethane	1.33	94	62304	51.77	ug/l	98
6) Chloroethane	1.42	64	48029	48.11	ug/l	89
7) Trichlorofluoromethane	1.49	101	209199	46.44	ug/l	98
8) Diethyl Ether	1.70	74	30459	48.56	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	1.88	101	116090	54.55	ug/l	97
10) Methyl Iodide	1.92	142	183653	49.50	ug/l	91
11) Tert butyl alcohol	2.67	59	26303	197.41	ug/l #	93
12) 1,1-Dichloroethene	1.83	96	94250	56.88	ug/l	79
13) Acrolein	2.08	56	16914	258.91	ug/l	87
14) Allyl chloride	2.19	41	160624	52.74	ug/l #	90
15) Acrylonitrile	3.07	53	47396	206.66	ug/l #	83
16) Acetone	2.33	43	124973	237.56	ug/l	97
17) Carbon Disulfide	1.84	76	242457	58.84	ug/l	97
18) Methyl Acetate	2.45	43	38393	44.30	ug/l	97
19) Methyl tert-butyl Ether	2.54	73	199404	43.05	ug/l	99
20) Methylene Chloride	2.28	84	83117	56.27	ug/l	86
21) trans-1,2-Dichloroethene	2.41	96	92022	49.87	ug/l	96
22) Diisopropyl ether	2.92	45	289303	49.53	ug/l	96
23) Vinyl Acetate	3.32	43	562569	208.78	ug/l #	96
24) 1,1-Dichloroethane	3.00	63	204508	49.22	ug/l	100
25) 2-Butanone	4.51	43	148677	228.77	ug/l #	90
26) 2,2-Dichloropropane	3.76	77	188511	63.60	ug/l	96
27) cis-1,2-Dichloroethene	3.63	96	111378	49.32	ug/l	95
28) Bromochloromethane	3.89	49	56269	41.75	ug/l	96
29) Tetrahydrofuran	4.25	42	49930	209.06	ug/l	97
30) Chloroform	4.03	83	262591	45.55	ug/l	98
31) Cyclohexane	3.86	56	128596	53.17	ug/l	94
32) 1,1,1-Trichloroethane	4.27	97	239147	48.68	ug/l	100
36) 1,1-Dichloropropene	4.46	75	181353	53.95	ug/l	98
37) Ethyl Acetate	4.28	43	51448	44.12	ug/l #	96
38) Carbon Tetrachloride	4.17	117	236267	50.94	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	157825	57.89	ug/l	95
40) Benzene	4.80	78	324698	52.22	ug/l	99
41) Methacrylonitrile	4.91	41	27213	43.28	ug/l	95
42) 1,2-Dichloroethane	5.12	62	151138	41.02	ug/l	96
43) Isopropyl Acetate	7.10	43	60400	40.86	ug/l #	93
44) Trichloroethene	5.67	130	125984	54.90	ug/l	92
45) 1,2-Dichloropropane	6.40	63	79195	50.31	ug/l	97
46) Dibromomethane	6.25	93	53580	40.29	ug/l	99
47) Bromodichloromethane	6.55	83	177052	45.54	ug/l	98
48) Methyl methacrylate	6.87	41	44106	40.53	ug/l #	86
49) 1,4-Dioxane	6.86	88	6828	815.36	ug/l #	62
51) 4-Methyl-2-Pentanone	8.40	43	235073	216.36	ug/l	99
52) Toluene	7.78	92	222729	55.90	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	136084	43.93	ug/l	99
54) cis-1,3-Dichloropropene	7.45	75	160280	48.94	ug/l	96
55) 1,1,2-Trichloroethane	8.64	97	64350	46.42	ug/l	97
56) Ethyl methacrylate	8.76	69	66310	44.75	ug/l	92
57) 1,3-Dichloropropane	8.99	76	104288	43.94	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	40983	215.45	ug/l	100
59) 2-Hexanone	9.62	43	180030	216.98	ug/l	95
60) Dibromochloromethane	8.86	129	113270	44.19	ug/l	98
61) 1,2-Dibromoethane	9.14	107	68906	40.70	ug/l	98
64) Tetrachloroethene	8.30	164	114771	47.93	ug/l	96
65) Chlorobenzene	9.94	112	280003	50.01	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	122166	47.07	ug/l	98
67) Ethyl Benzene	10.04	91	540216	53.69	ug/l	100
68) m/p-Xylenes	10.26	106	375688	104.50	ug/l	95
69) o-Xylene	10.83	106	200070	52.28	ug/l	97
70) Styrene	10.90	104	275063	49.77	ug/l	97
71) Bromoform	10.88	173	60628	41.49	ug/l	99
73) Isopropylbenzene	11.23	105	651328	58.32	ug/l	98
74) N-amyl acetate	11.47	43	106495	44.47	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.78	83	80928	47.85	ug/l	94
76) 1,2,3-Trichloropropane	11.88	75	63131	45.19	ug/l	93
77) Bromobenzene	11.59	156	136216	49.85	ug/l	97
78) n-propylbenzene	11.68	91	725782	54.59	ug/l	98
79) 2-Chlorotoluene	11.81	91	428982	53.61	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	552353	55.67	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.96	75	41089	47.78	ug/l	90
82) 4-Chlorotoluene	11.99	91	423367	49.59	ug/l	99
83) tert-Butylbenzene	12.22	119	566987	56.68	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	536657	52.70	ug/l	99
85) sec-Butylbenzene	12.38	105	725554	54.40	ug/l	97
86) p-Isopropyltoluene	12.54	119	638458	54.99	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	263643	55.75	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	267424	50.48	ug/l	99
89) n-Butylbenzene	12.92	91	600434	60.84	ug/l	99
90) Hexachloroethane	12.99	117	152868	53.97	ug/l #	1
91) 1,2-Dichlorobenzene	13.02	146	243836	47.76	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.71	75	16421	37.65	ug/l	90

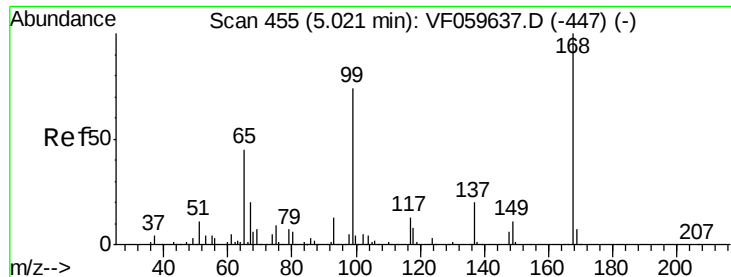
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	187153	51.64	ug/l	95
94) Hexachlorobutadiene	14.26	225	153975	52.20	ug/l	94
95) Naphthalene	14.52	128	257274	40.67	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	167859	46.54	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.02 min

Lab File: VF059656.D

Acq: 25 Jul 2018 13:30

Instrument :

MSVOA_F

ClientSampleId :

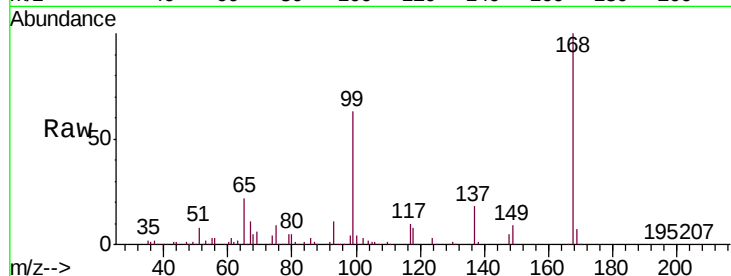
VSTDCCC050

Tot Ion:168 Resp: 256783

Ion Ratio Lower Upper

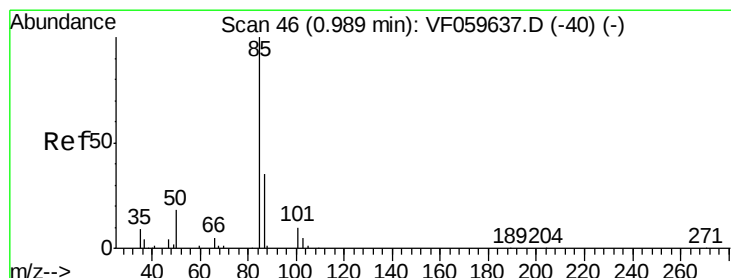
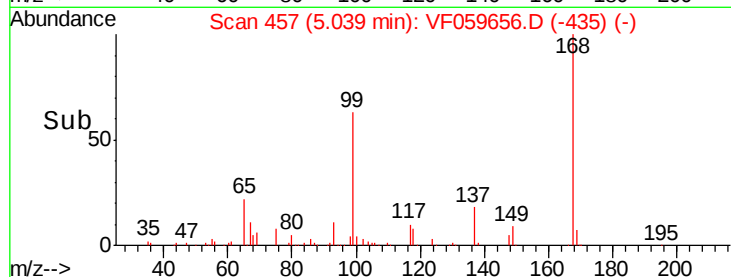
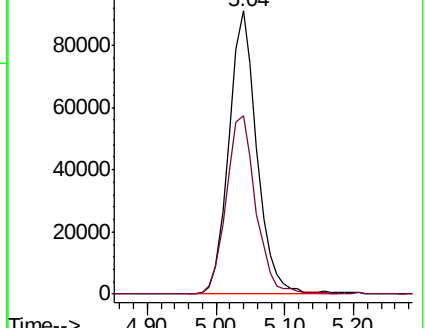
168 100

99 63.1 59.5 89.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 45.21 ug/l

RT: 0.99 min Scan# 46

Delta R.T. -0.00 min

Lab File: VF059656.D

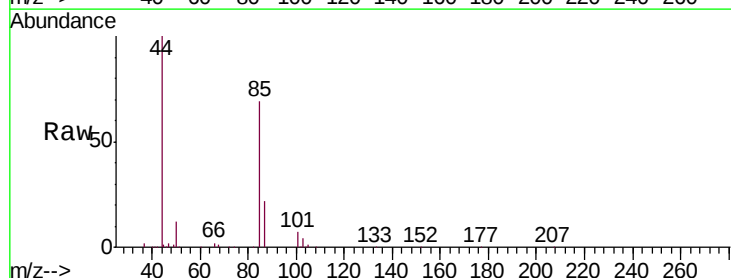
Acq: 25 Jul 2018 13:30

Tgt Ion: 85 Resp: 135909

Ion Ratio Lower Upper

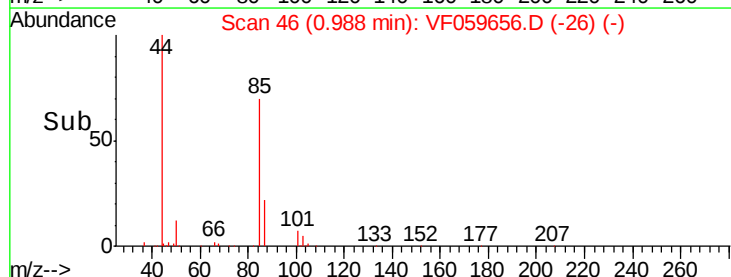
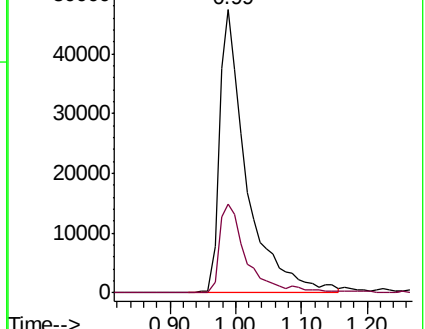
85 100

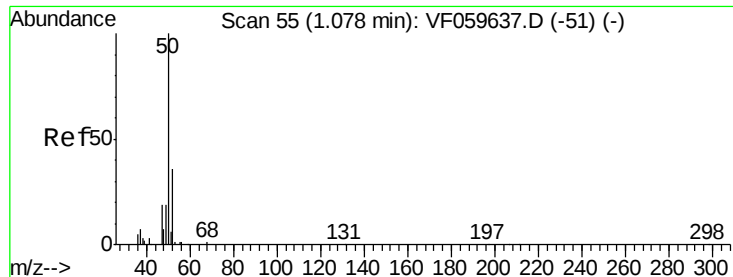
87 31.3 17.4 52.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 55.16 ug/l

RT: 1.09 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF059656.D

Acq: 25 Jul 2018 13:30

Instrument :

MSVOA_F

ClientSampleId :

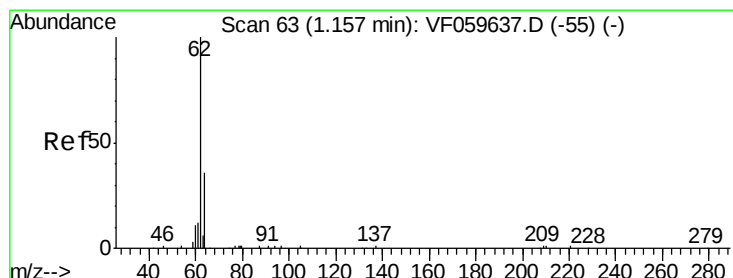
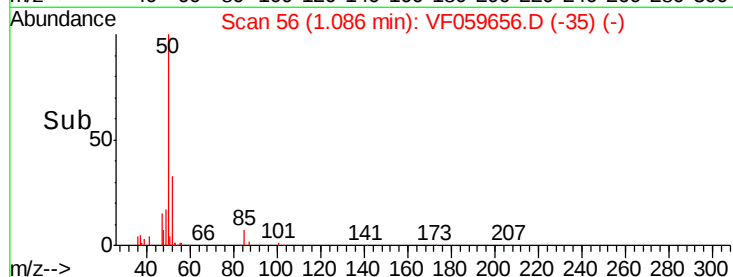
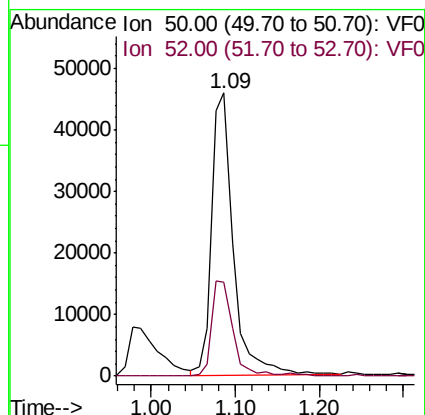
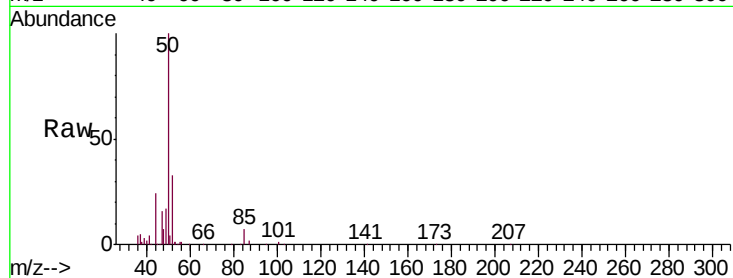
VSTDCCC050

Tot Ion: 50 Resp: 81304

Ion Ratio Lower Upper

50 100

52 33.2 28.0 42.0



#4

Vinyl Chloride

Concen: 54.65 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF059656.D

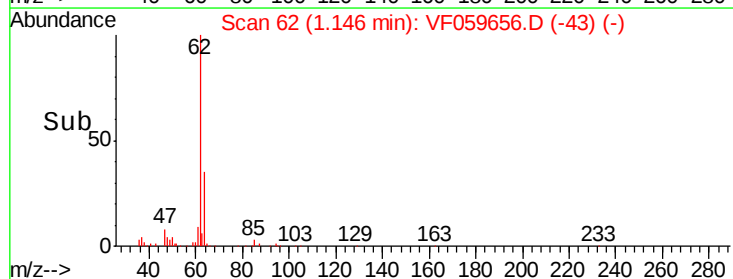
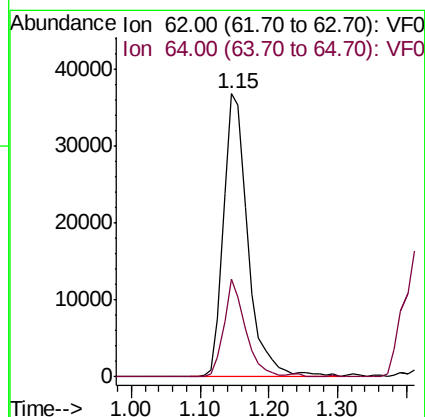
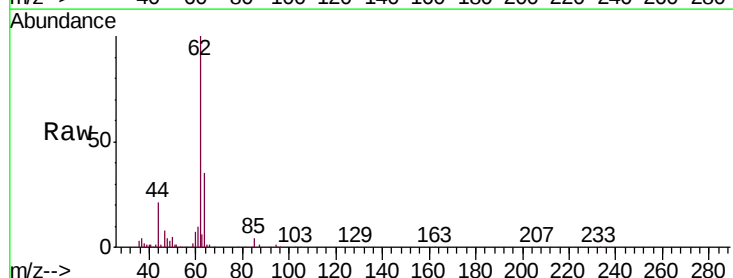
Acq: 25 Jul 2018 13:30

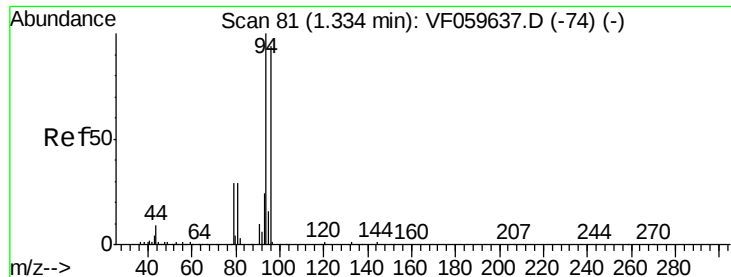
Tgt Ion: 62 Resp: 90711

Ion Ratio Lower Upper

62 100

64 34.6 28.6 43.0





#5

Bromomethane

Concen: 51.77 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF059656.D

Acq: 25 Jul 2018 13:30

Instrument :

MSVOA_F

ClientSampleId :

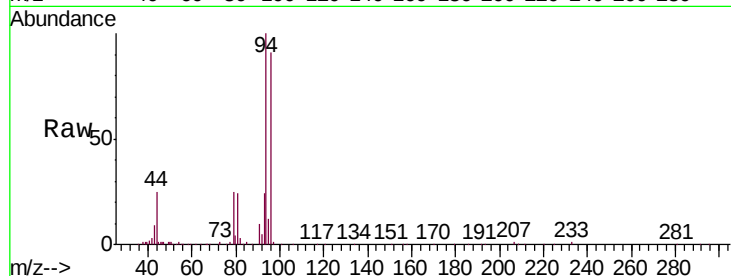
VSTDCCC050

Tot Ion: 94 Resp: 62304

Ion Ratio Lower Upper

94 100

96 91.4 74.6 112.0



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.33

40000

30000

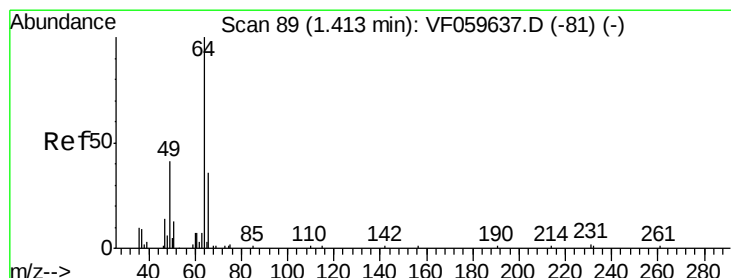
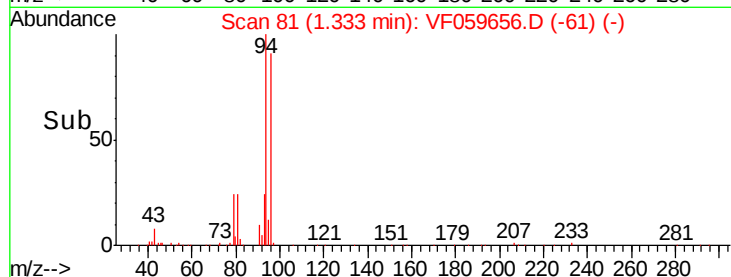
20000

10000

0

Time-->

1.20 1.30 1.40 1.50



#6

Chloroethane

Concen: 48.11 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.01 min

Lab File: VF059656.D

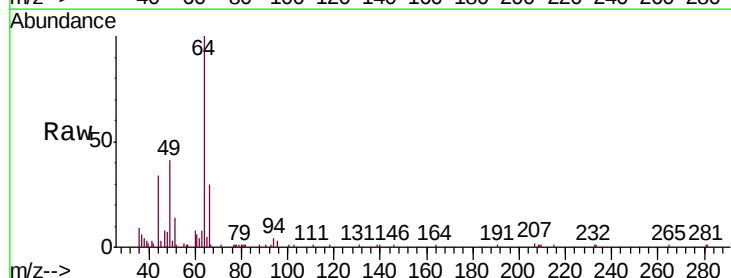
Acq: 25 Jul 2018 13:30

Tgt Ion: 64 Resp: 48029

Ion Ratio Lower Upper

64 100

66 29.7 29.0 43.6



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

1.42

20000

15000

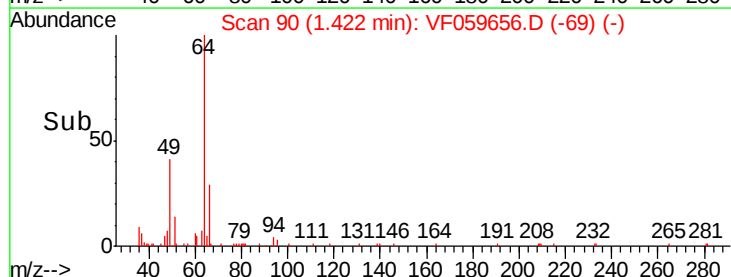
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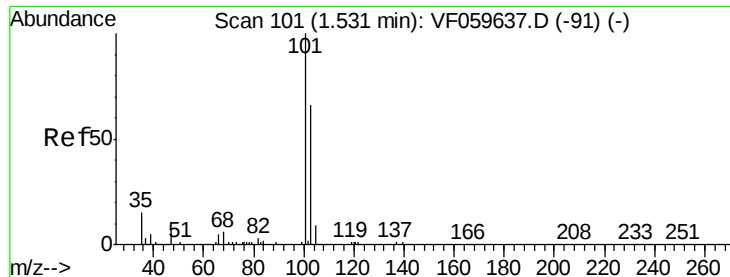
5000

0

Time-->

1.30 1.40 1.50 1.60



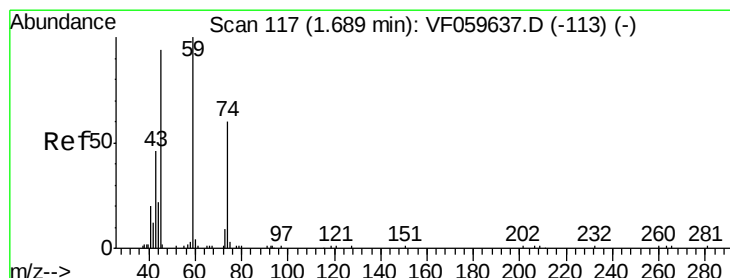
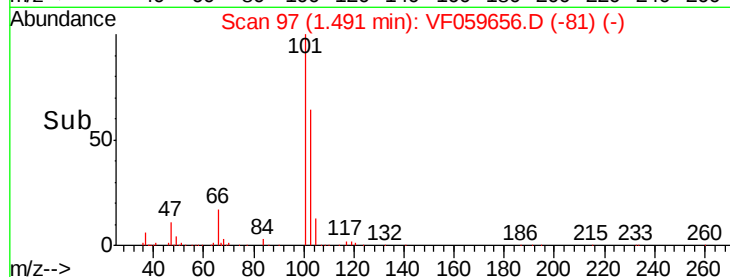
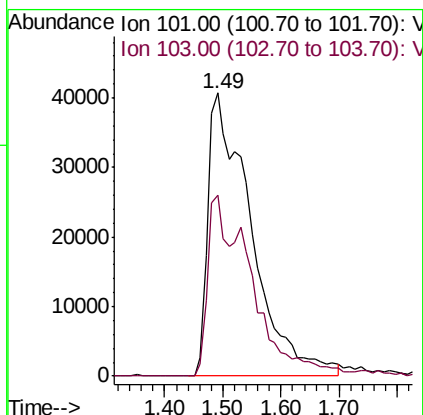
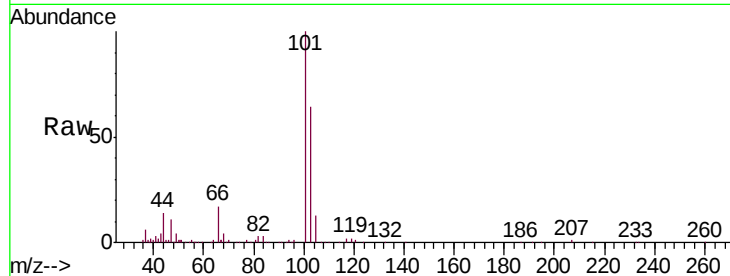


#7

Trichlorofluoromethane
Concen: 46.44 ug/l
RT: 1.49 min Scan# 97
Delta R.T. -0.04 min
Lab File: VF059656.D
Acq: 25 Jul 2018 13:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

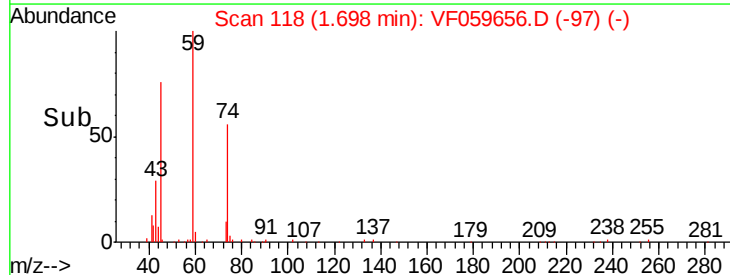
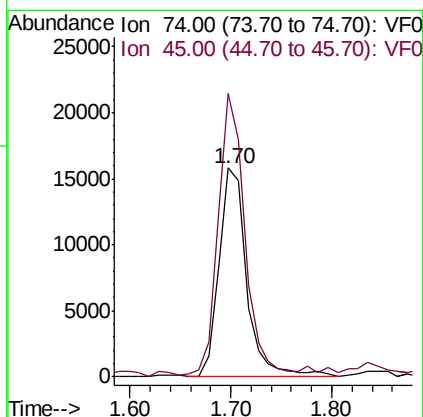
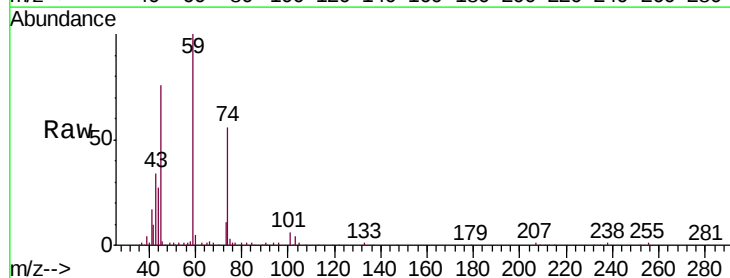
Tot Ion:101 Resp: 209199
Ion Ratio Lower Upper
101 100
103 63.9 52.5 78.7

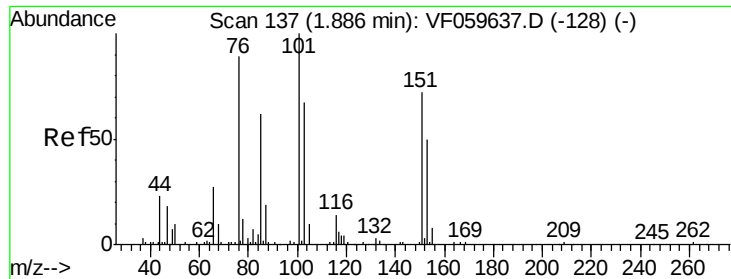


#8

Diethyl Ether
Concen: 48.56 ug/l
RT: 1.70 min Scan# 118
Delta R.T. 0.01 min
Lab File: VF059656.D
Acq: 25 Jul 2018 13:30

Tgt Ion: 74 Resp: 30459
Ion Ratio Lower Upper
74 100
45 135.4 80.3 241.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.55 ug/l

RT: 1.88 min Scan# 137

Delta R.T. -0.00 min

Lab File: VF059656.D

Acq: 25 Jul 2018 13:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

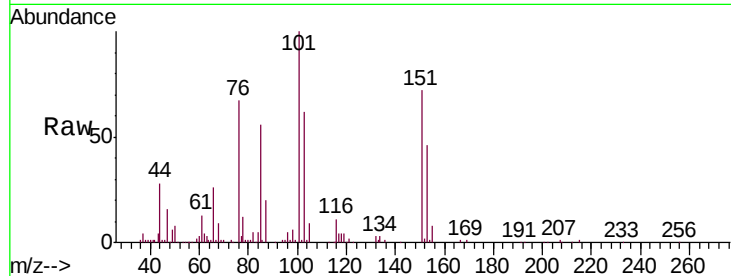
Tot Ion:101 Resp: 116090

Ion Ratio Lower Upper

101 100

85 55.9 49.0 73.4

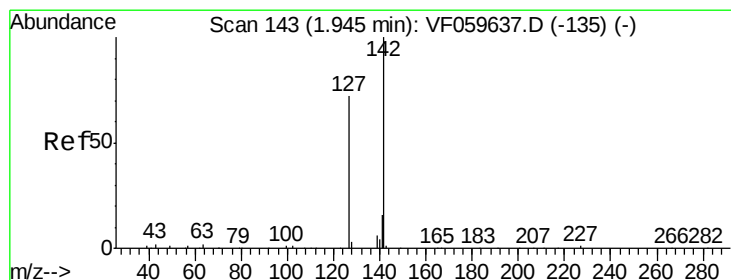
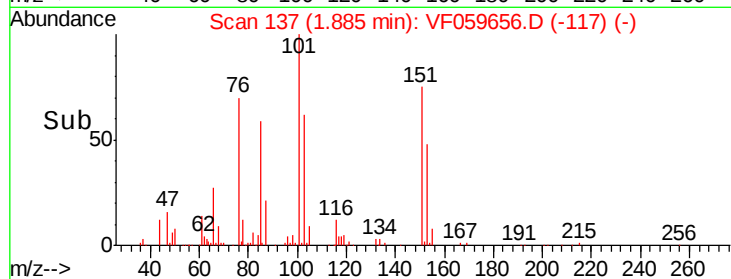
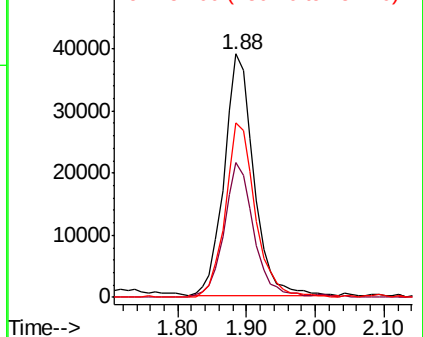
151 70.9 56.8 85.2



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: 49.50 ug/l

RT: 1.92 min Scan# 141

Delta R.T. -0.02 min

Lab File: VF059656.D

Acq: 25 Jul 2018 13:30

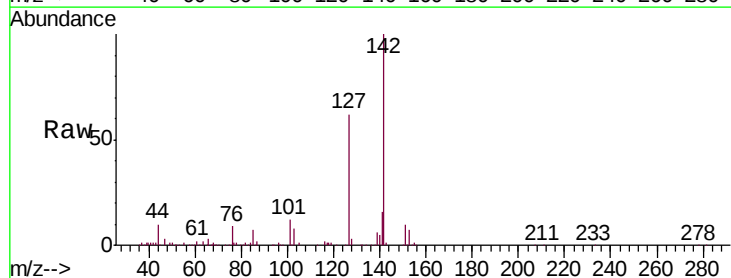
Tgt Ion:142 Resp: 183653

Ion Ratio Lower Upper

142 100

127 62.4 57.5 86.3

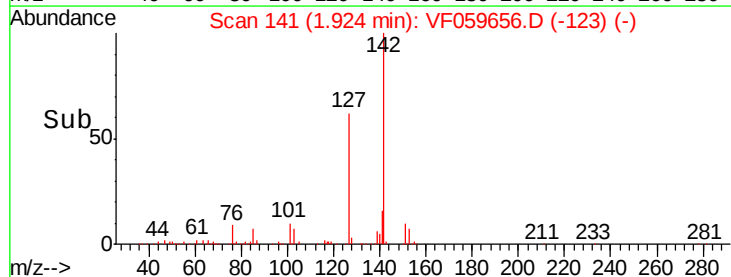
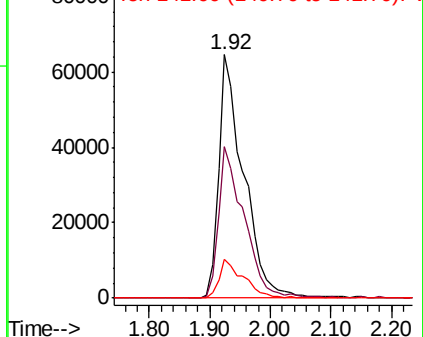
141 15.9 13.2 19.8

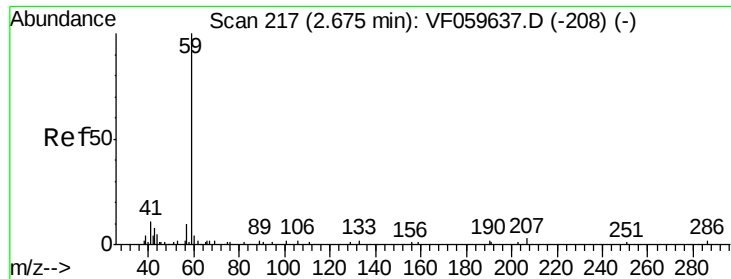


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



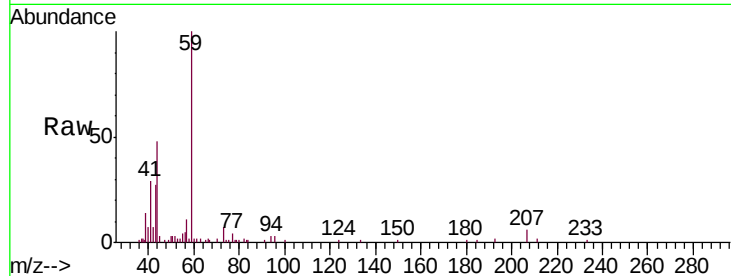


#11

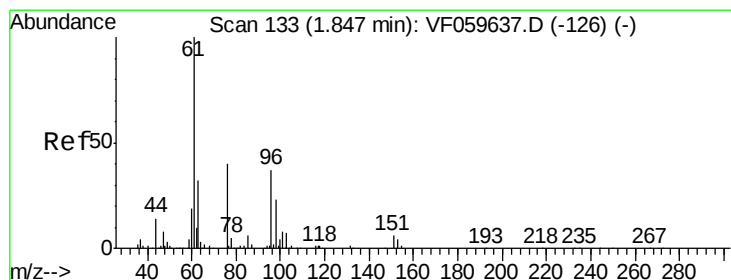
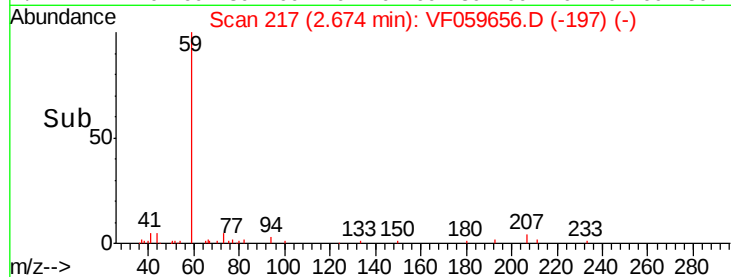
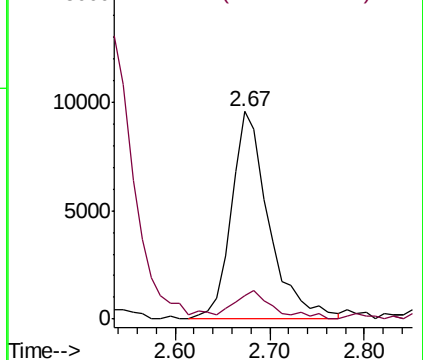
Tert butyl alcohol
 Concen: 197.41 ug/l
 RT: 2.67 min Scan# 217
 Delta R.T. -0.00 min
 Lab File: VF059656.D
 Acq: 25 Jul 2018 13:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 59 Resp: 26303
 Ion Ratio Lower Upper
 59 100
 57 11.4 11.4 17.2#



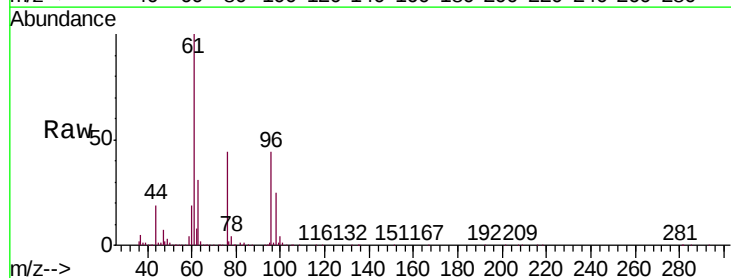
Abundance Ion 59.00 (58.70 to 59.70): VF0
 Ion 57.00 (56.70 to 57.70): VF0



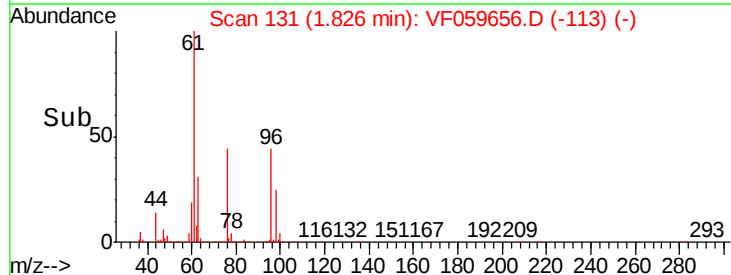
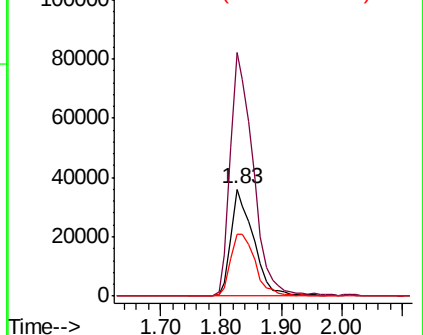
#12

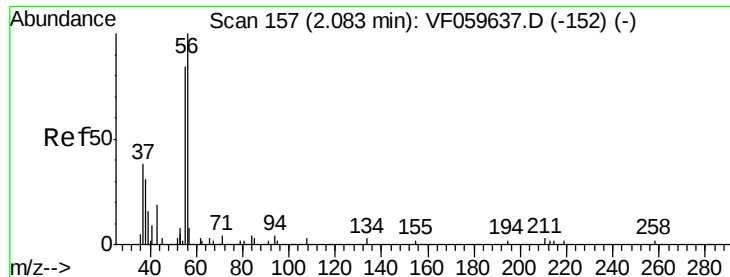
1,1-Dichloroethene
 Concen: 56.88 ug/l
 RT: 1.83 min Scan# 131
 Delta R.T. -0.02 min
 Lab File: VF059656.D
 Acq: 25 Jul 2018 13:30

Tgt Ion: 96 Resp: 94250
 Ion Ratio Lower Upper
 96 100
 61 227.8 218.2 327.4
 98 57.7 50.6 76.0



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





#13

Acrolein

Concen: 258.91 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.00 min

Lab File: VF059656.D

Acq: 25 Jul 2018 13:30

Instrument :

MSVOA_F

ClientSampleId :

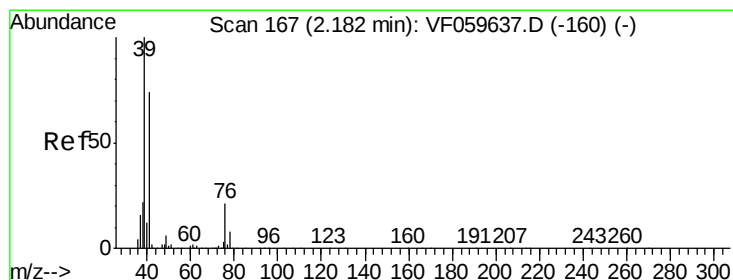
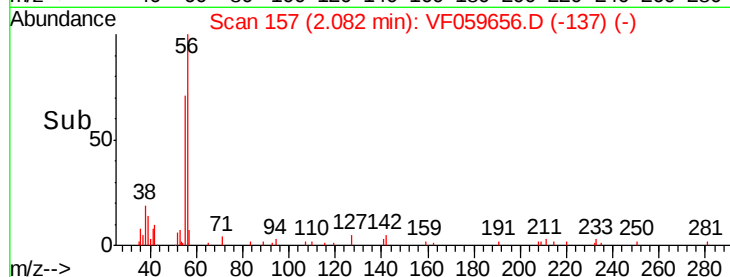
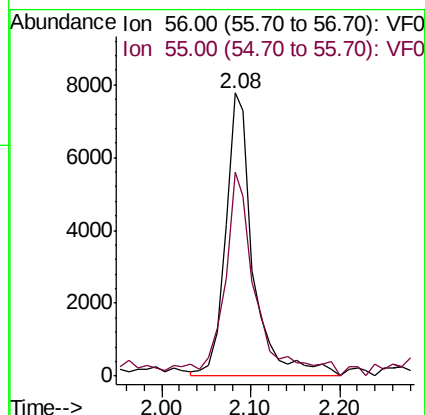
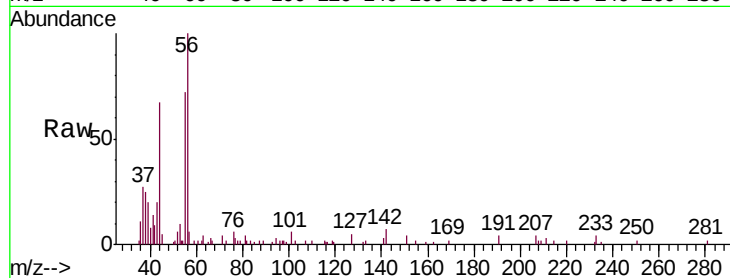
VSTDCCC050

Tot Ion: 56 Resp: 16914

Ion Ratio Lower Upper

56 100

55 72.0 67.2 100.8



#14

Allyl chloride

Concen: 52.74 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.01 min

Lab File: VF059656.D

Acq: 25 Jul 2018 13:30

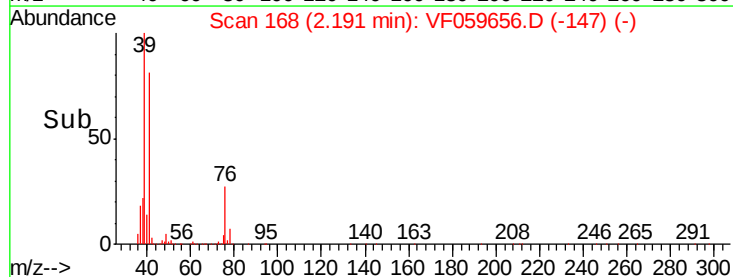
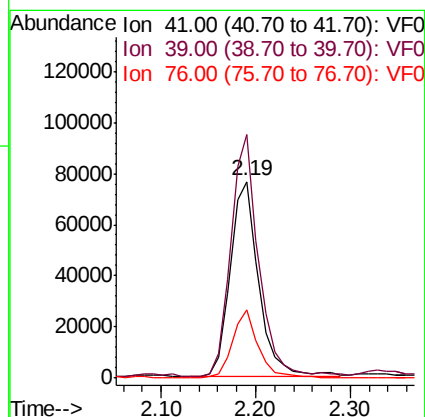
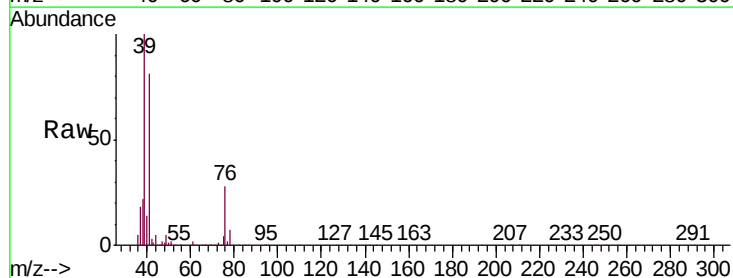
Tgt Ion: 41 Resp: 160624

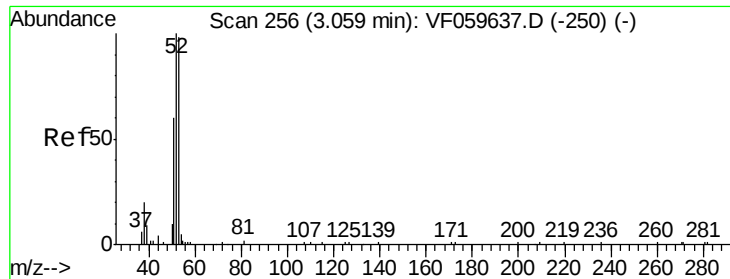
Ion Ratio Lower Upper

41 100

39 123.9 108.6 162.8

76 34.9 23.0 34.6#





#15

Acrylonitrile

Concen: 206.66 ug/l

RT: 3.07 min Scan# 257

Delta R.T. 0.01 min

Lab File: VF059656.D

Acq: 25 Jul 2018 13:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

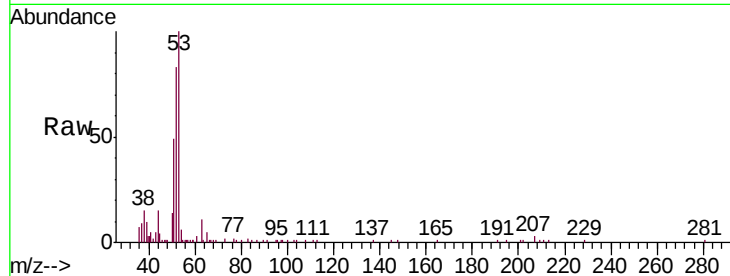
Tot Ion: 53 Resp: 47396

Ion Ratio Lower Upper

53 100

52 83.2 80.9 121.3

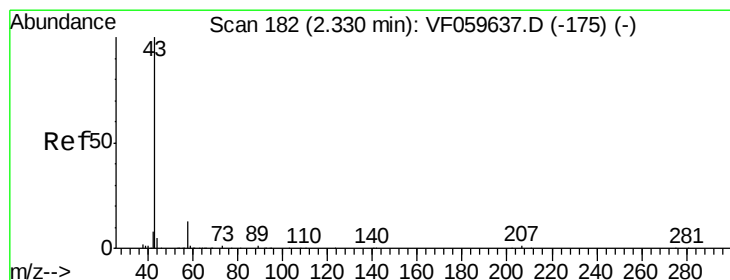
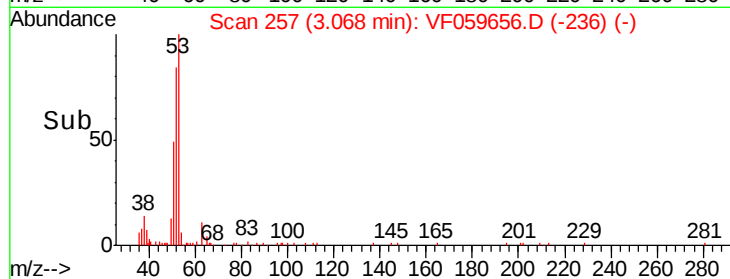
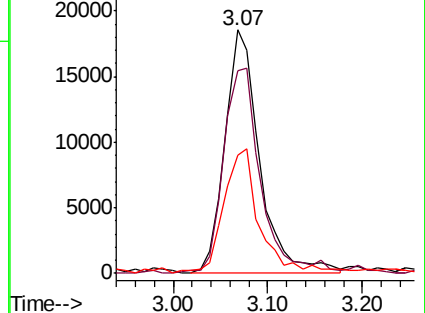
51 48.7 49.4 74.2#



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 237.56 ug/l

RT: 2.33 min Scan# 182

Delta R.T. -0.00 min

Lab File: VF059656.D

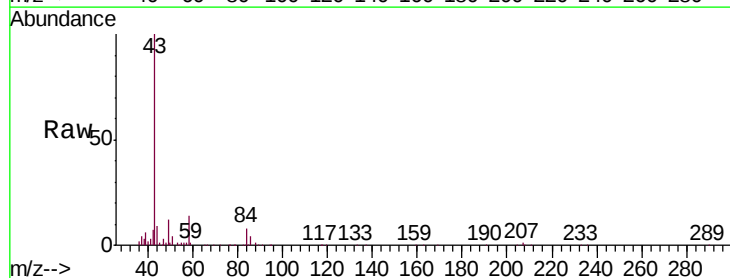
Acq: 25 Jul 2018 13:30

Tgt Ion: 43 Resp: 124973

Ion Ratio Lower Upper

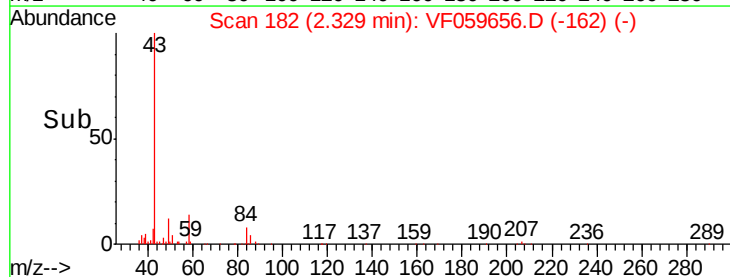
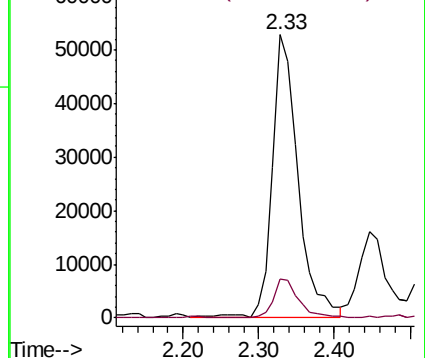
43 100

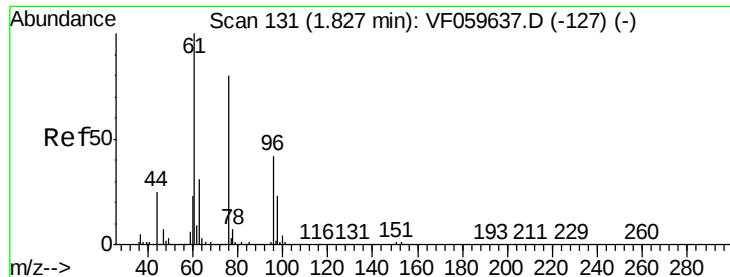
58 13.9 10.2 15.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

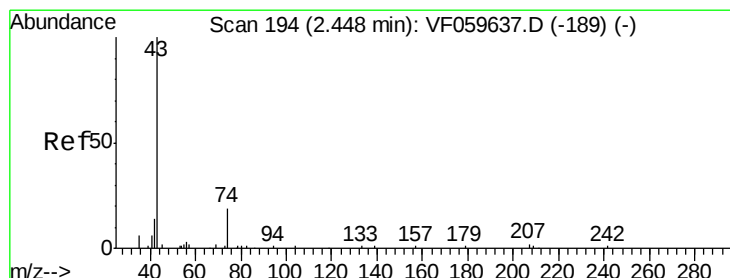
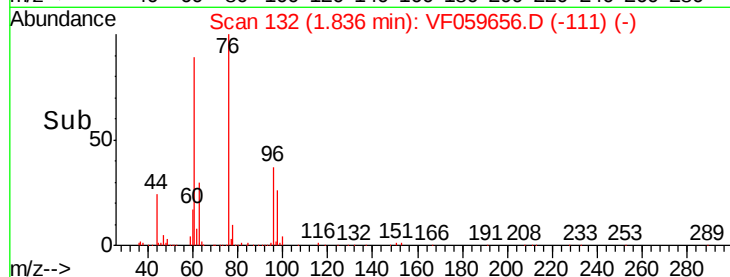
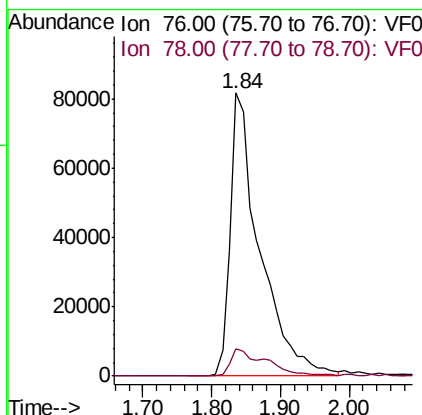
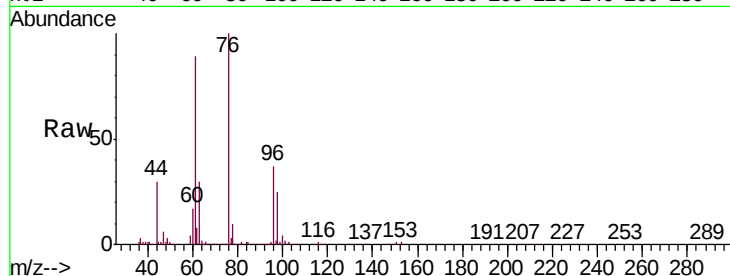




#17
Carbon Disulfide
Concen: 58.84 ug/l
RT: 1.84 min Scan# 132
Delta R.T. 0.01 min
Lab File: VF059656.D
Acq: 25 Jul 2018 13:30

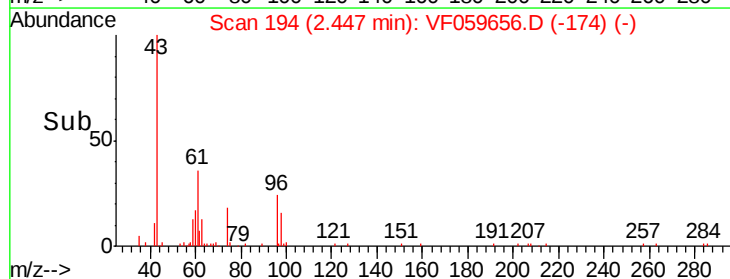
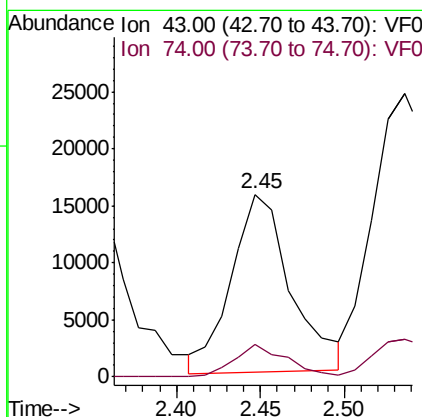
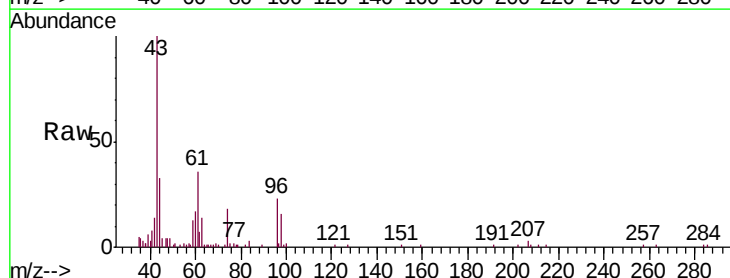
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

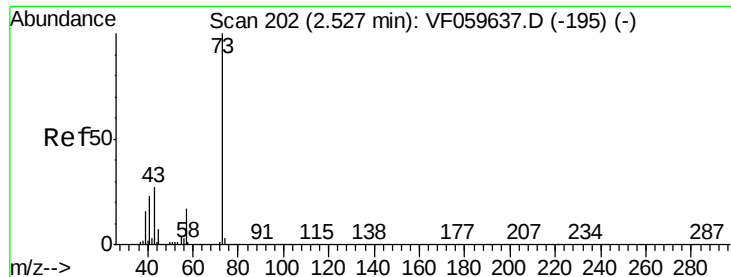
Tot Ion: 76 Resp: 242457
Ion Ratio Lower Upper
76 100
78 9.8 7.0 10.6



#18
Methyl Acetate
Concen: 44.30 ug/l
RT: 2.45 min Scan# 194
Delta R.T. -0.00 min
Lab File: VF059656.D
Acq: 25 Jul 2018 13:30

Tgt Ion: 43 Resp: 38393
Ion Ratio Lower Upper
43 100
74 17.8 13.0 19.6



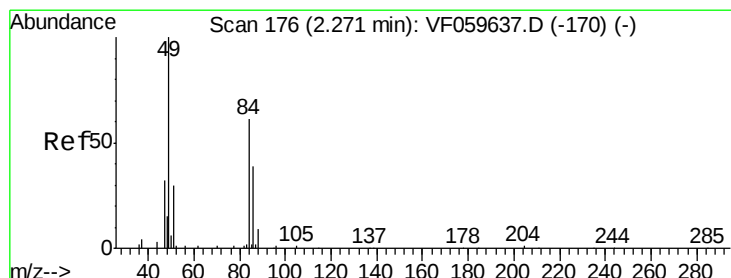
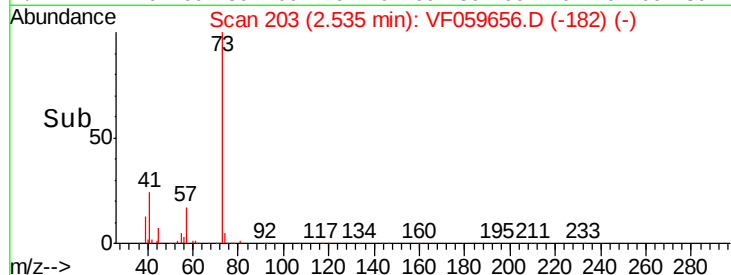
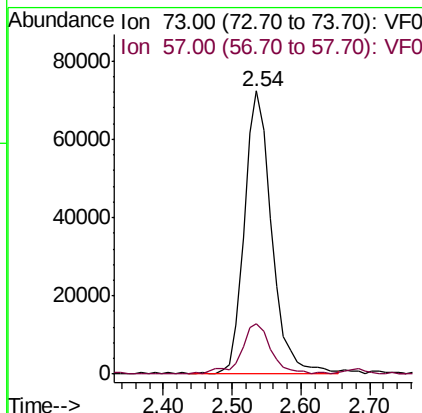
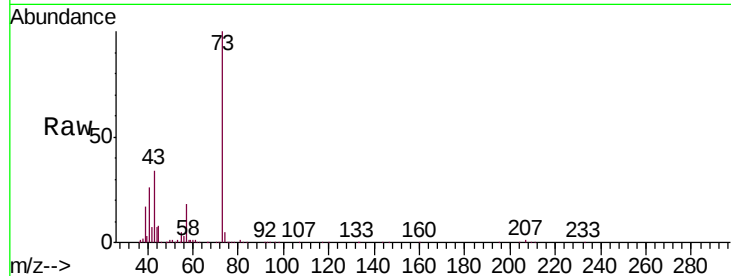


#19

Methyl tert-butyl Ether
Concen: 43.05 ug/l
RT: 2.54 min Scan# 203
Delta R.T. 0.01 min
Lab File: VF059656.D
Acq: 25 Jul 2018 13:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

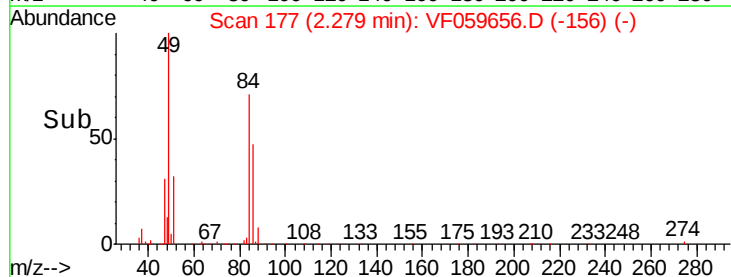
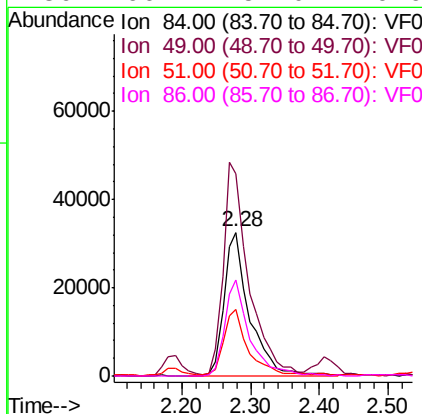
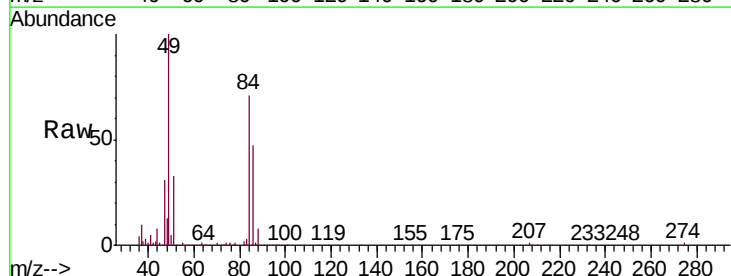
Tot Ion: 73 Resp: 199404
Ion Ratio Lower Upper
73 100
57 18.0 14.2 21.4

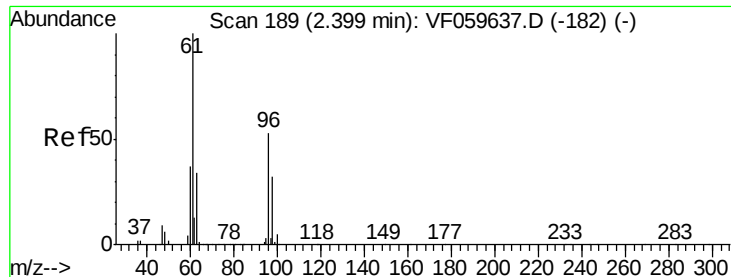


#20

Methylene Chloride
Concen: 56.27 ug/l
RT: 2.28 min Scan# 177
Delta R.T. 0.01 min
Lab File: VF059656.D
Acq: 25 Jul 2018 13:30

Tgt Ion: 84 Resp: 83117
Ion Ratio Lower Upper
84 100
49 141.3 133.8 200.8
51 46.3 41.1 61.7
86 66.7 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 49.87 ug/l

RT: 2.41 min Scan# 190

Delta R.T. 0.01 min

Lab File: VF059656.D

Acq: 25 Jul 2018 13:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

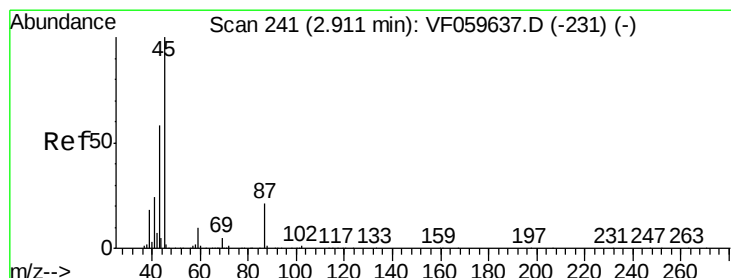
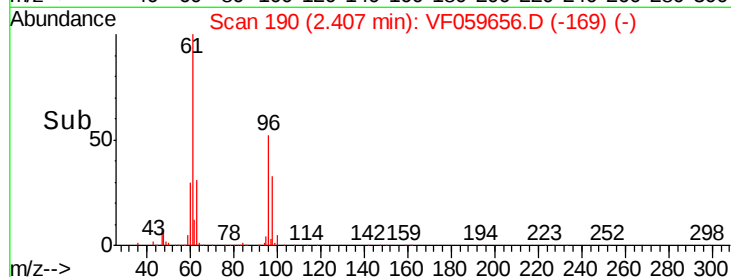
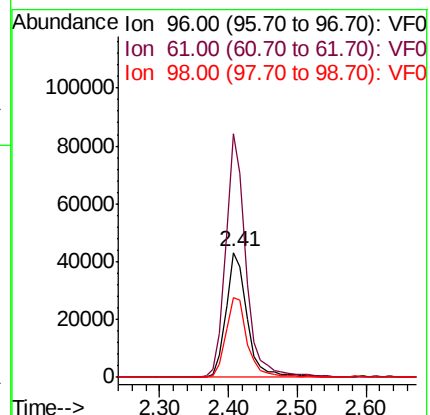
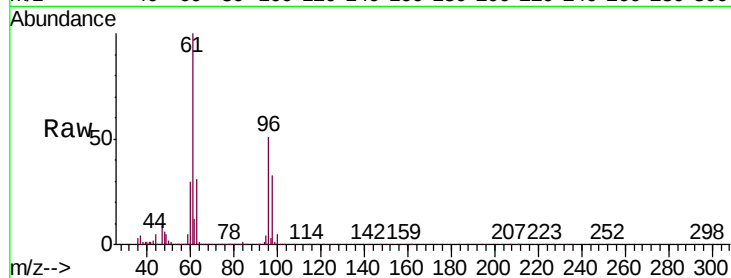
Tot Ion: 96 Resp: 92022

Ion Ratio Lower Upper

96 100

61 194.5 151.4 227.2

98 64.1 49.0 73.6



#22

Diisopropyl ether

Concen: 49.53 ug/l

RT: 2.92 min Scan# 242

Delta R.T. 0.01 min

Lab File: VF059656.D

Acq: 25 Jul 2018 13:30

Tgt Ion: 45 Resp: 289303

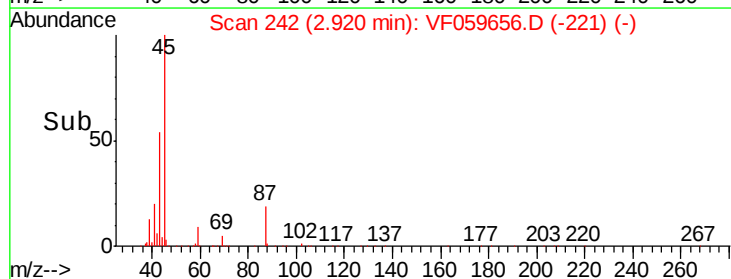
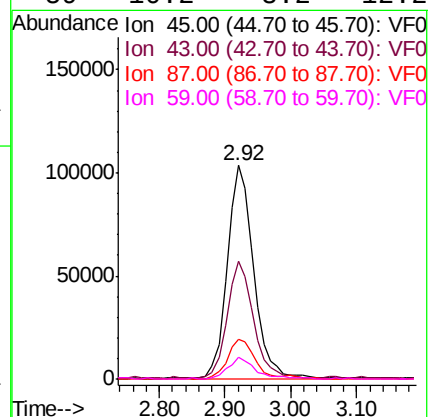
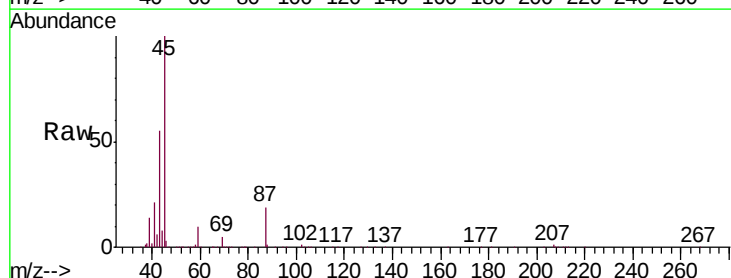
Ion Ratio Lower Upper

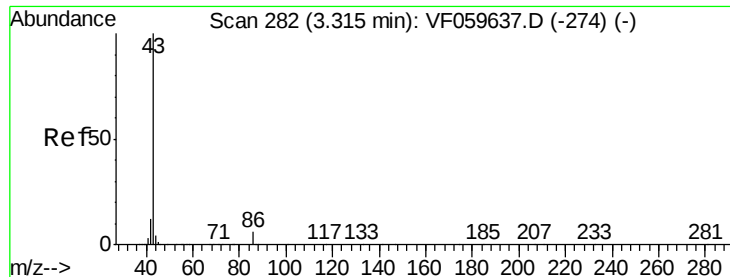
45 100

43 54.9 46.5 69.7

87 18.8 16.5 24.7

59 10.2 8.2 12.2

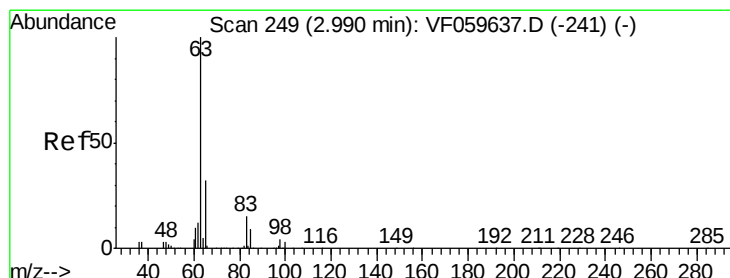
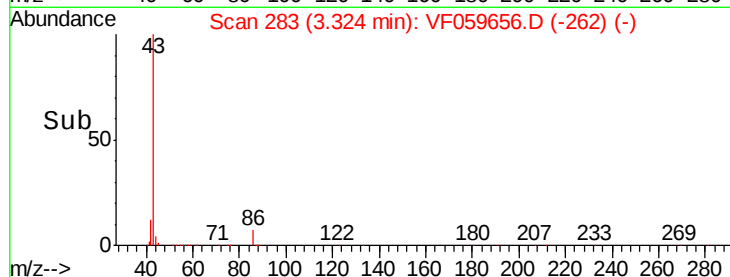
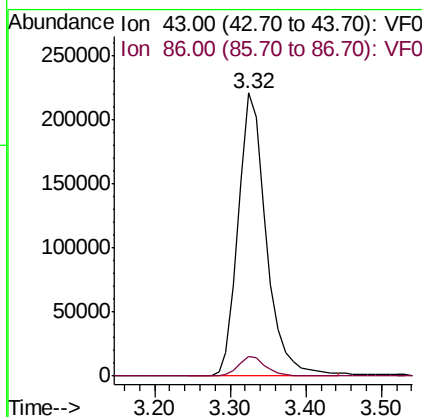
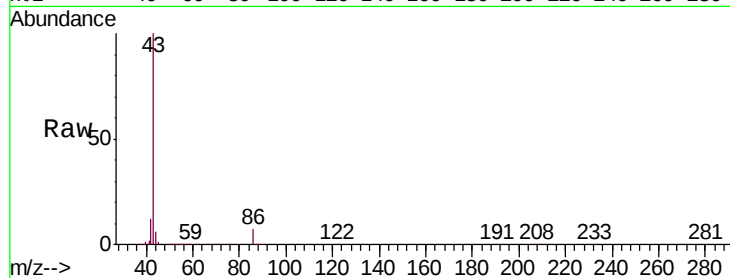




#23
 Vinyl Acetate
 Concen: 208.78 ug/l
 RT: 3.32 min Scan# 283
 Delta R.T. 0.01 min
 Lab File: VF059656.D
 Acq: 25 Jul 2018 13:30

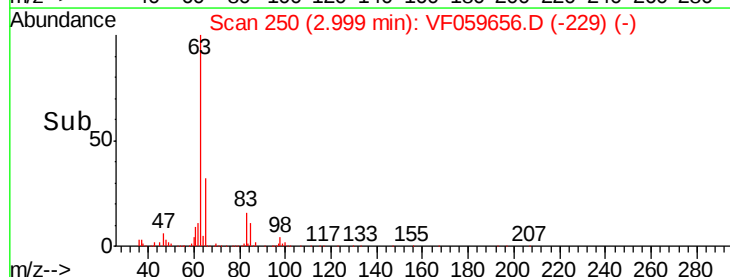
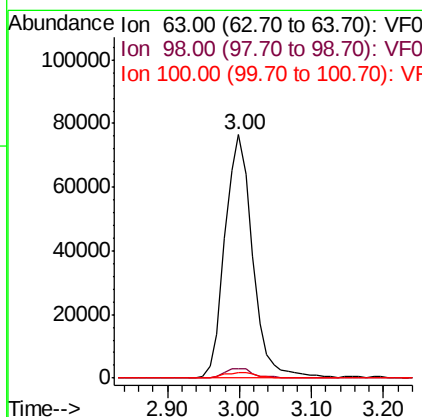
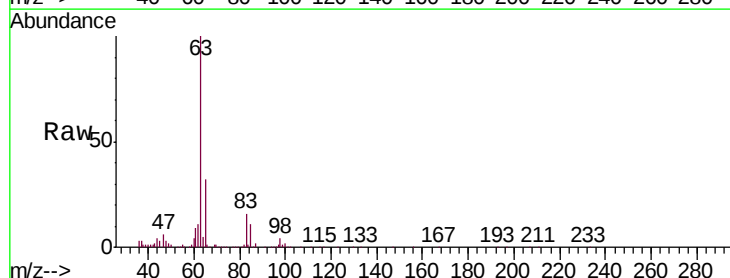
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

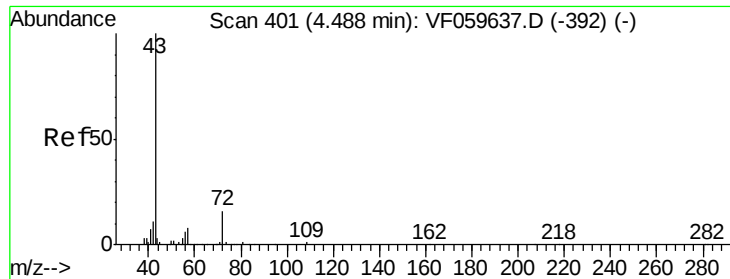
Tot Ion: 43 Resp: 562569
 Ion Ratio Lower Upper
 43 100
 86 7.0 4.5 6.7#



#24
 1,1-Dichloroethane
 Concen: 49.22 ug/l
 RT: 3.00 min Scan# 250
 Delta R.T. 0.01 min
 Lab File: VF059656.D
 Acq: 25 Jul 2018 13:30

Tgt Ion: 63 Resp: 204508
 Ion Ratio Lower Upper
 63 100
 98 3.6 1.8 5.5
 100 2.5 1.3 3.9





#25

2-Butanone

Concen: 228.77 ug/l

RT: 4.51 min Scan# 403

Delta R.T. 0.02 min

Lab File: VF059656.D

Acq: 25 Jul 2018 13:30

Instrument :

MSVOA_F

ClientSampleId :

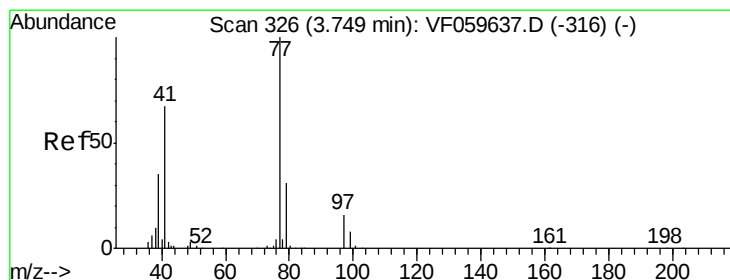
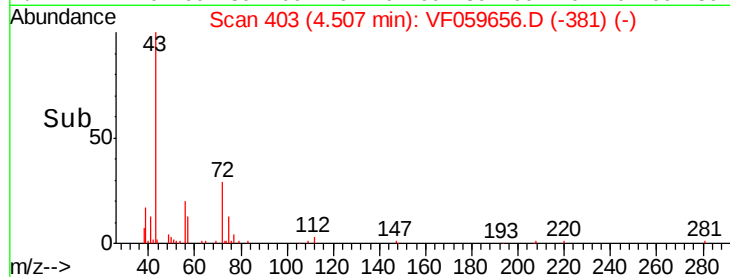
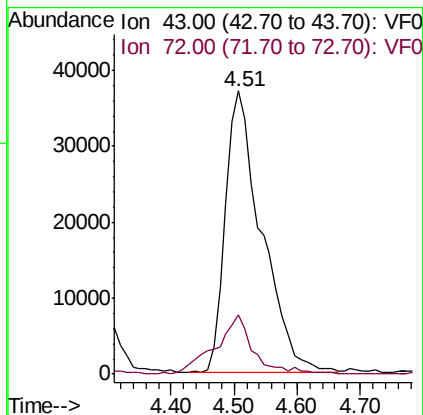
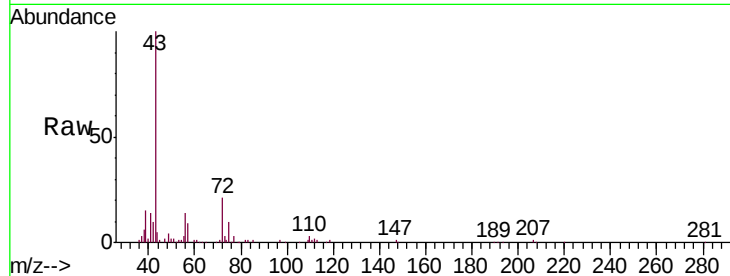
VSTDCCC050

Tot Ion: 43 Resp: 148677

Ion Ratio Lower Upper

43 100

72 21.0 13.5 20.3#



#26

2,2-Dichloropropane

Concen: 63.60 ug/l

RT: 3.76 min Scan# 327

Delta R.T. 0.01 min

Lab File: VF059656.D

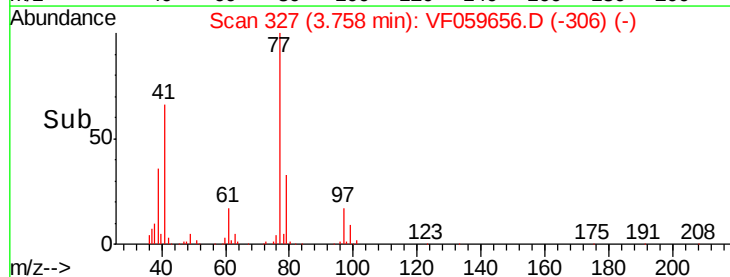
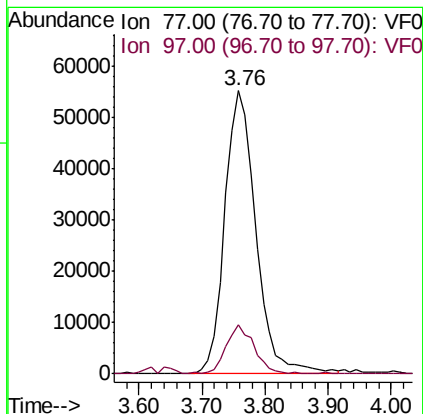
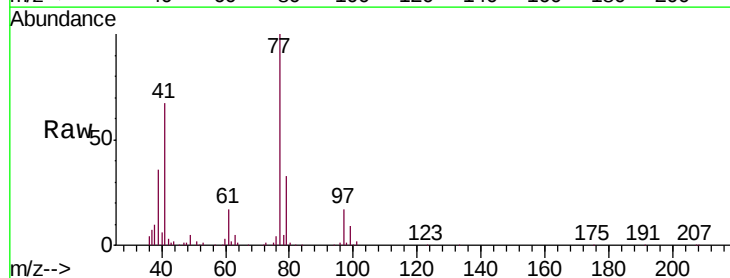
Acq: 25 Jul 2018 13:30

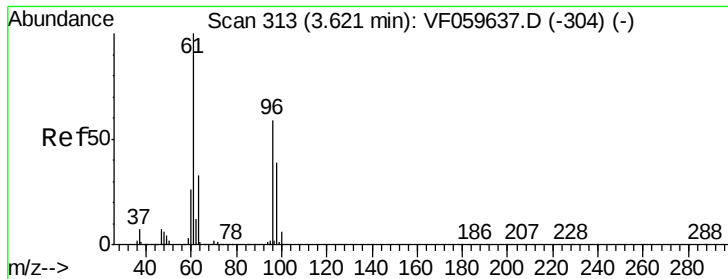
Tgt Ion: 77 Resp: 188511

Ion Ratio Lower Upper

77 100

97 17.3 7.8 23.3





#27

cis-1,2-Dichloroethene

Concen: 49.32 ug/l

RT: 3.63 min Scan# 314

Delta R.T. 0.01 min

Lab File: VF059656.D

Acq: 25 Jul 2018 13:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

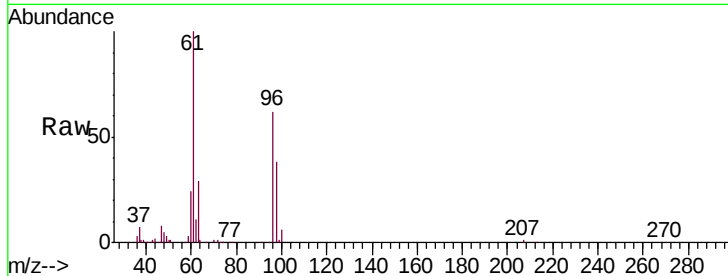
Tot Ion: 96 Resp: 111378

Ion Ratio Lower Upper

96 100

61 162.2 0.0 337.4

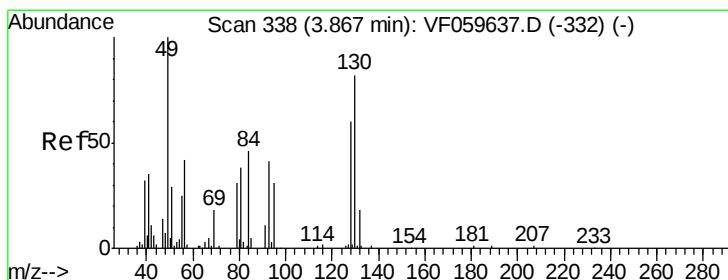
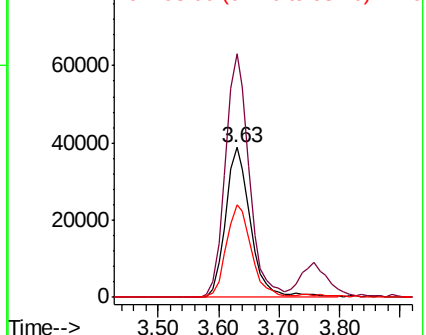
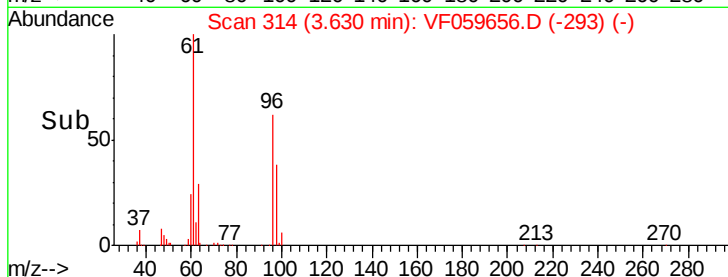
98 61.3 0.0 132.8



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#28

Bromochloromethane

Concen: 41.75 ug/l

RT: 3.89 min Scan# 340

Delta R.T. 0.02 min

Lab File: VF059656.D

Acq: 25 Jul 2018 13:30

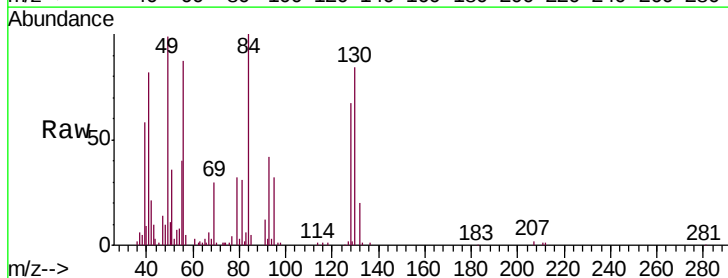
Tgt Ion: 49 Resp: 56269

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.6

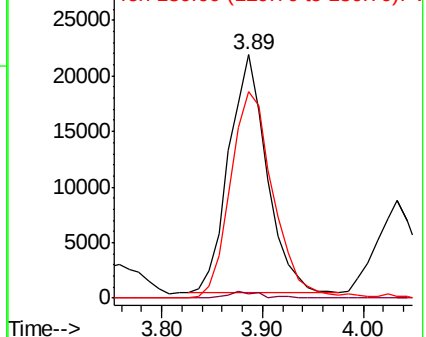
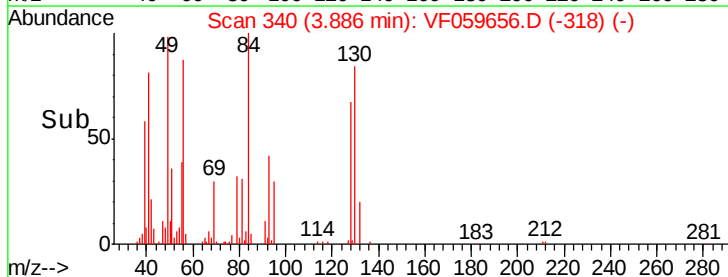
130 84.7 65.0 97.4

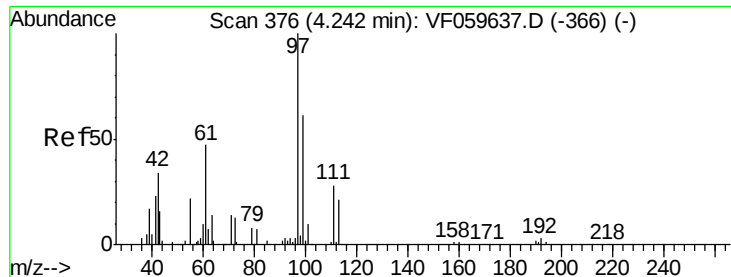


Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V

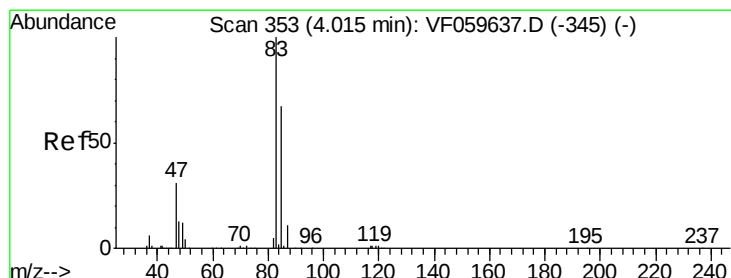
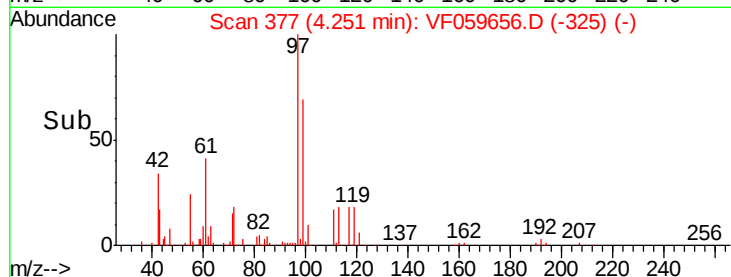
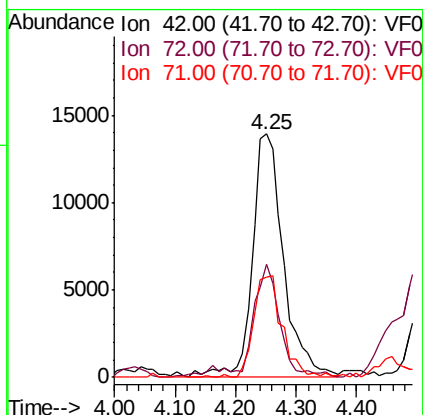
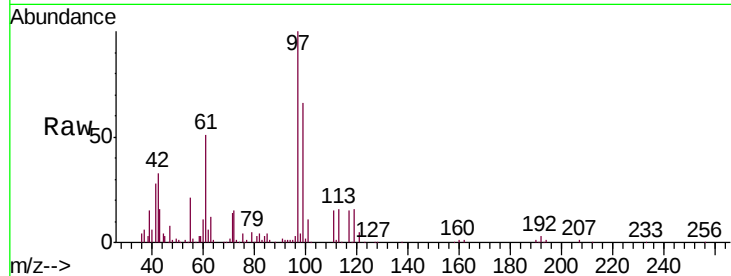




#29
Tetrahydrofuran
Concen: 209.06 ug/l
RT: 4.25 min Scan# 377
Delta R.T. 0.01 min
Lab File: VF059656.D
Acq: 25 Jul 2018 13:30

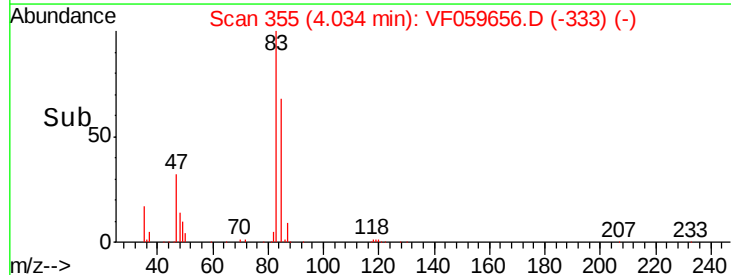
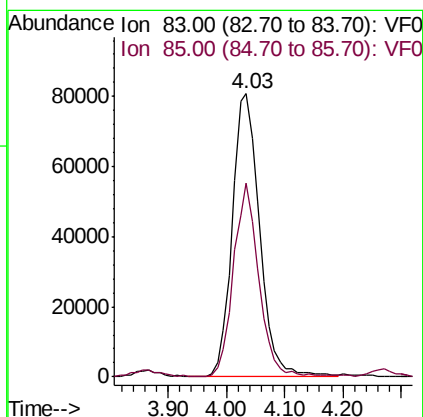
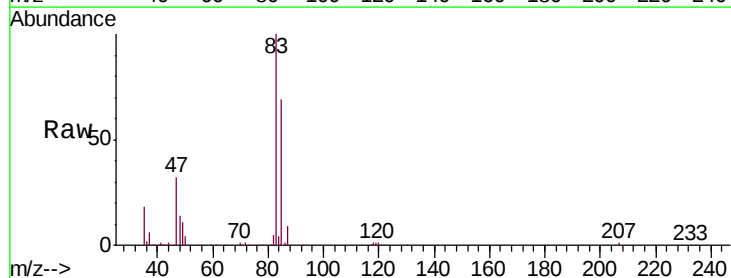
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

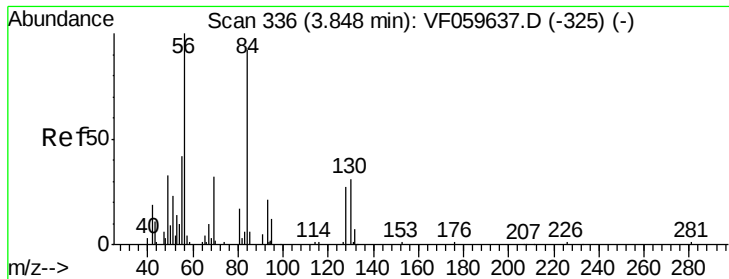
Tot Ion	42	Resp	49930
Ion Ratio	Lower	Upper	
42	100		
72	38.4	30.0	45.0
71	38.8	28.6	42.8



#30
Chloroform
Concen: 45.55 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.02 min
Lab File: VF059656.D
Acq: 25 Jul 2018 13:30

Tgt Ion	83	Resp	262591
Ion Ratio	Lower	Upper	
83	100		
85	68.6	53.8	80.8





#31

Cyclohexane

Concen: 53.17 ug/l

RT: 3.86 min Scan# 337

Delta R.T. 0.01 min

Lab File: VF059656.D

Acq: 25 Jul 2018 13:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

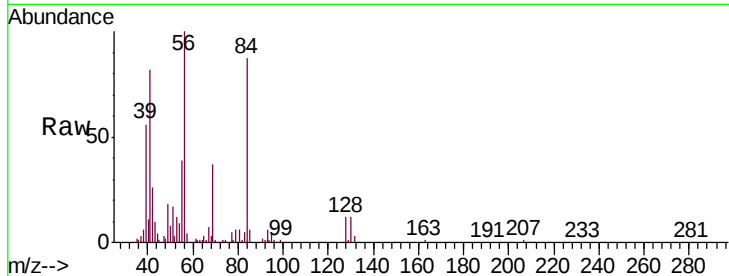
Tot Ion: 56 Resp: 128596

Ion Ratio Lower Upper

56 100

69 37.3 26.0 39.0

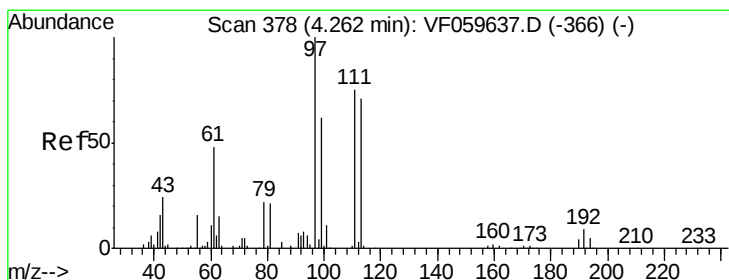
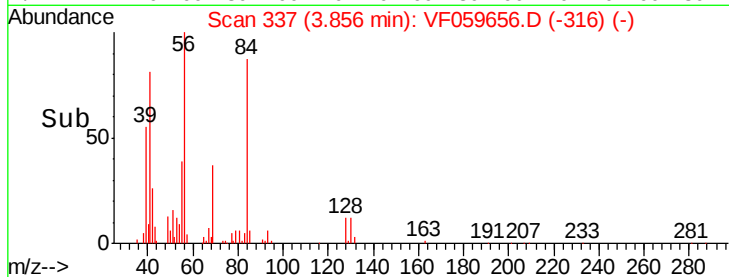
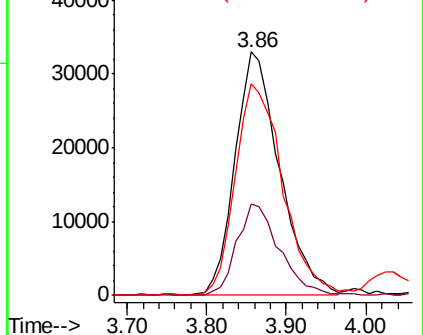
84 86.8 73.5 110.3



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 48.68 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.01 min

Lab File: VF059656.D

Acq: 25 Jul 2018 13:30

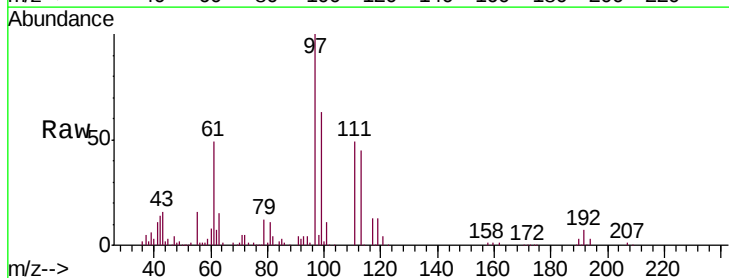
Tgt Ion: 97 Resp: 239147

Ion Ratio Lower Upper

97 100

99 62.6 49.8 74.6

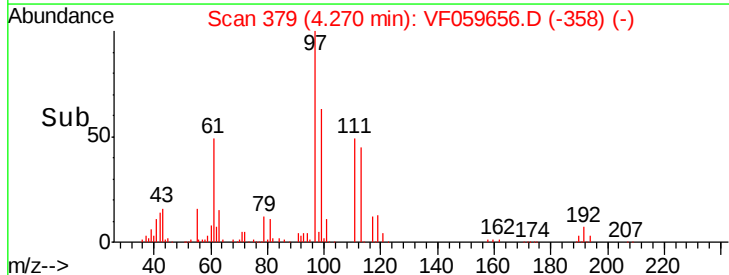
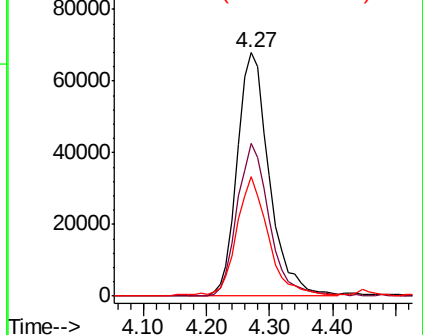
61 48.9 38.9 58.3

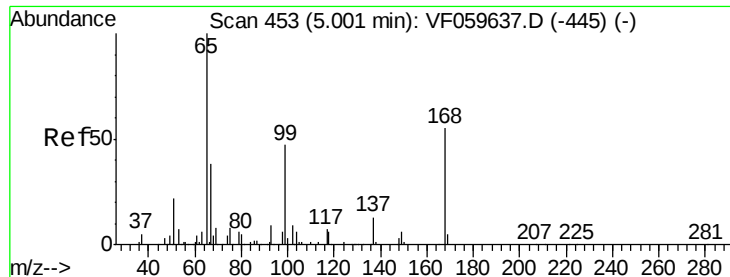


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

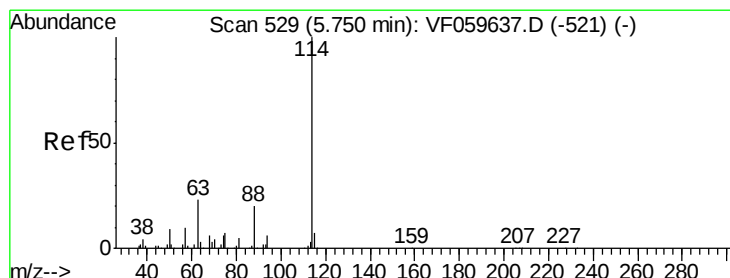
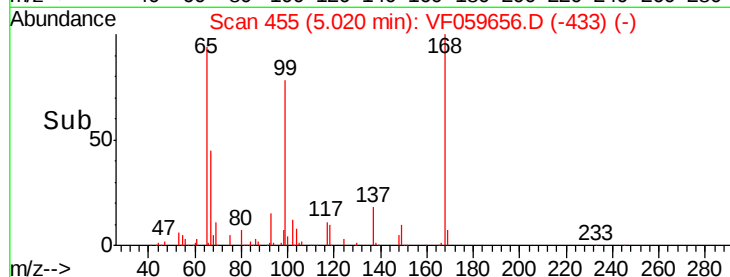
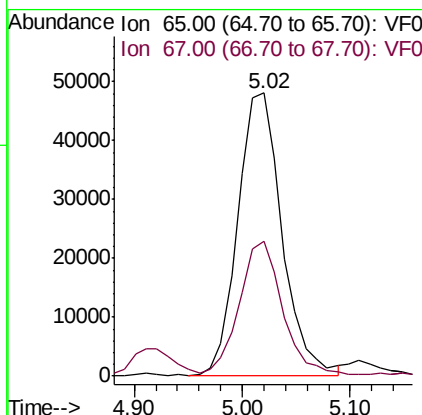
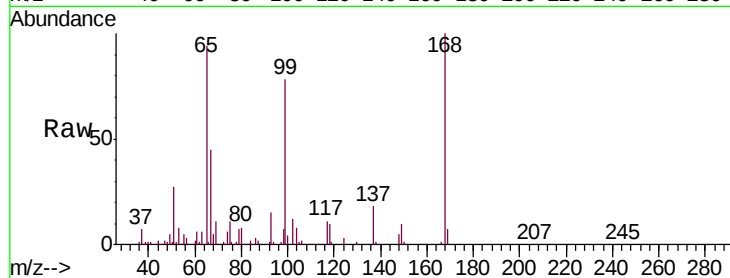




#33
 1,2-Dichloroethane-d4
 Concen: 38.53 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. 0.02 min
 Lab File: VF059656.D
 Acq: 25 Jul 2018 13:30

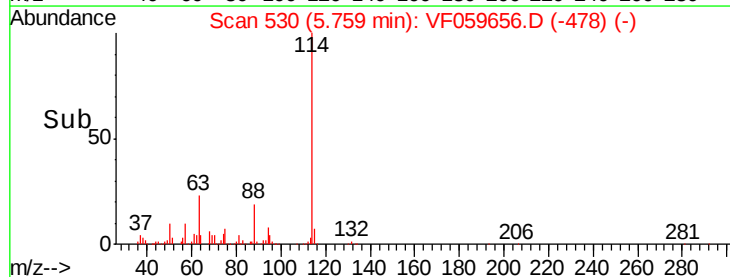
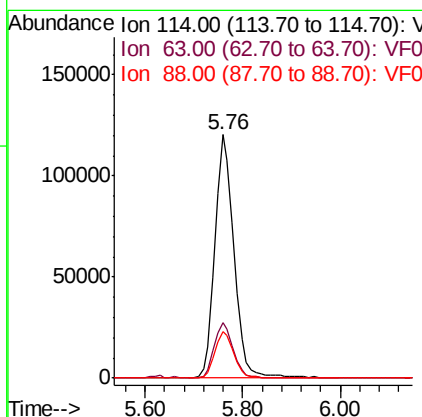
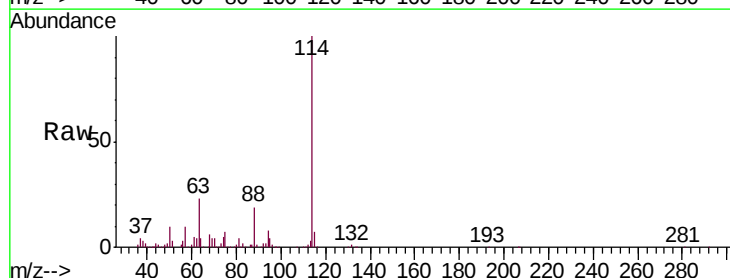
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

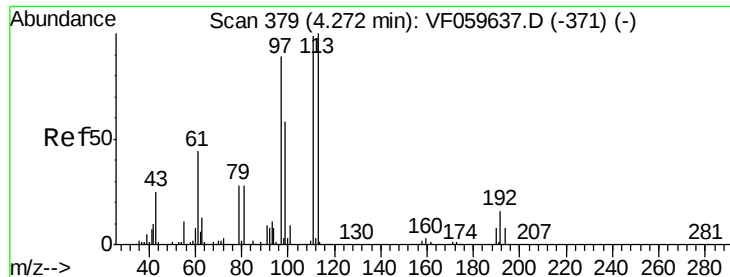
Tot Ion: 65 Resp: 137851
 Ion Ratio Lower Upper
 65 100
 67 47.5 0.0 86.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. 0.01 min
 Lab File: VF059656.D
 Acq: 25 Jul 2018 13:30

Tgt Ion: 114 Resp: 328074
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 45.6
 88 19.3 0.0 40.8

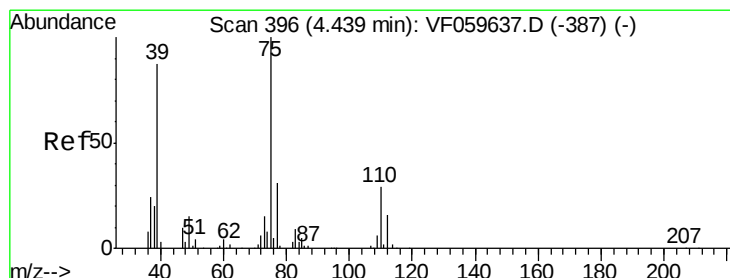
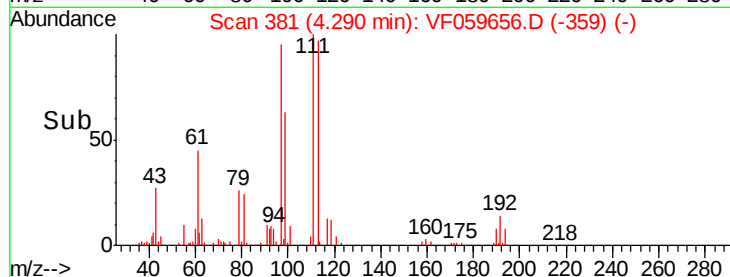
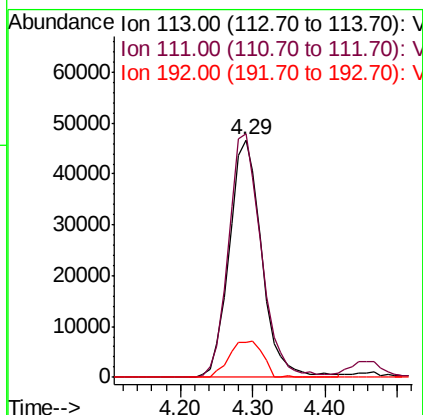
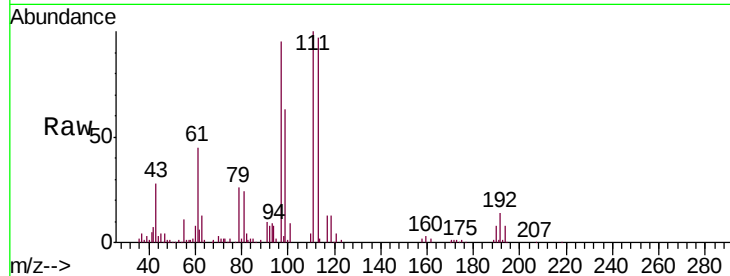




#35
 Dibromofluoromethane
 Concen: 49.59 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. 0.02 min
 Lab File: VF059656.D
 Acq: 25 Jul 2018 13:30

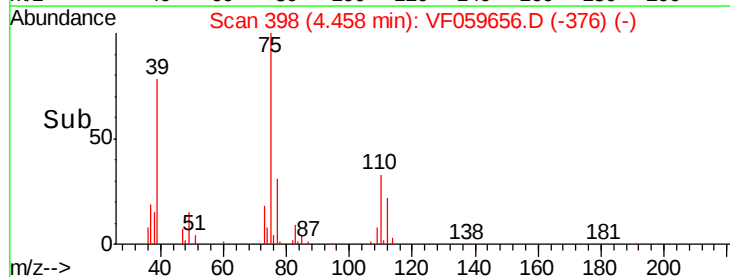
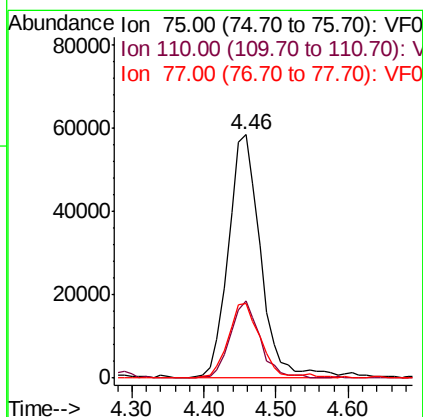
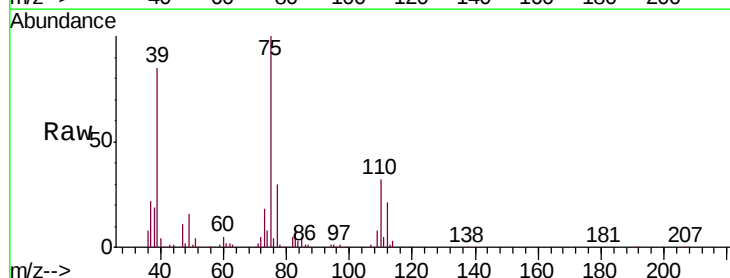
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

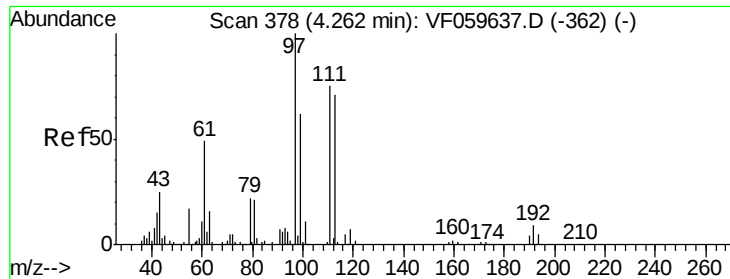
Tot Ion:113 Resp: 146424
 Ion Ratio Lower Upper
 113 100
 111 102.6 79.3 118.9
 192 14.6 13.4 20.2



#36
 1,1-Dichloropropene
 Concen: 53.95 ug/l
 RT: 4.46 min Scan# 398
 Delta R.T. 0.02 min
 Lab File: VF059656.D
 Acq: 25 Jul 2018 13:30

Tgt Ion: 75 Resp: 181353
 Ion Ratio Lower Upper
 75 100
 110 31.7 14.6 43.8
 77 30.4 24.4 36.6

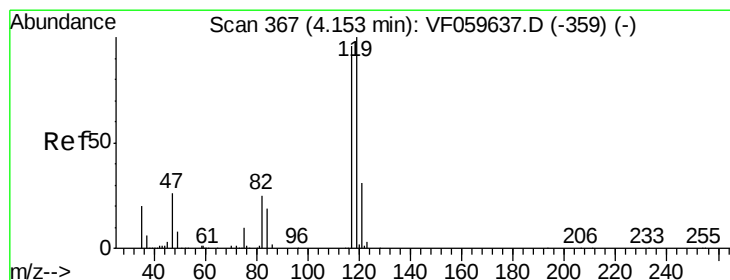
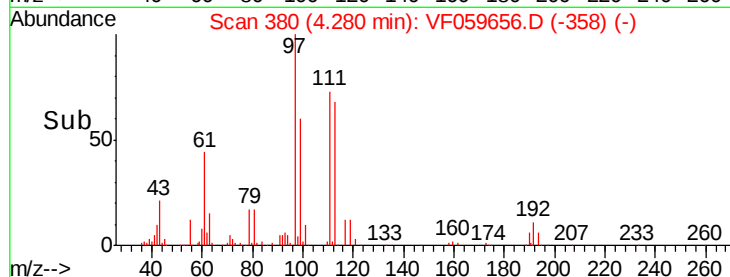
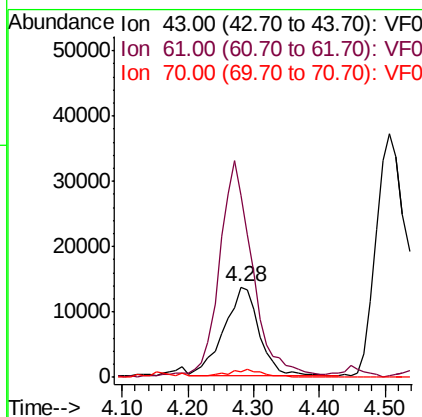
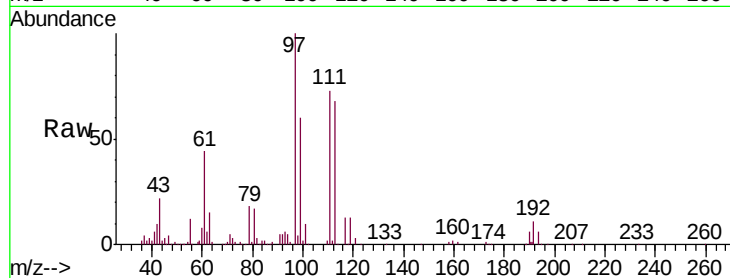




#37
Ethyl Acetate
Concen: 44.12 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.02 min
Lab File: VF059656.D
Acq: 25 Jul 2018 13:30

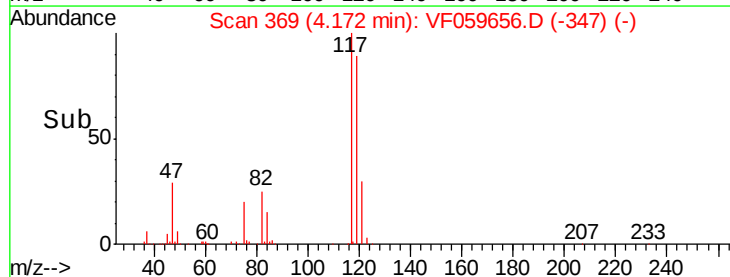
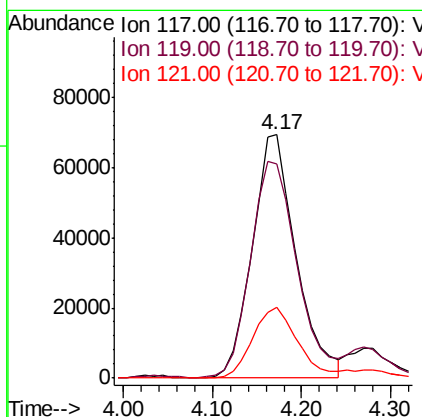
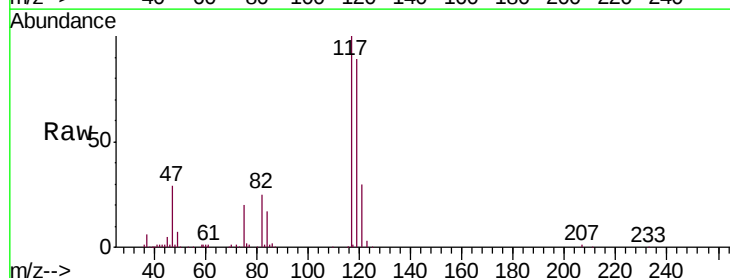
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

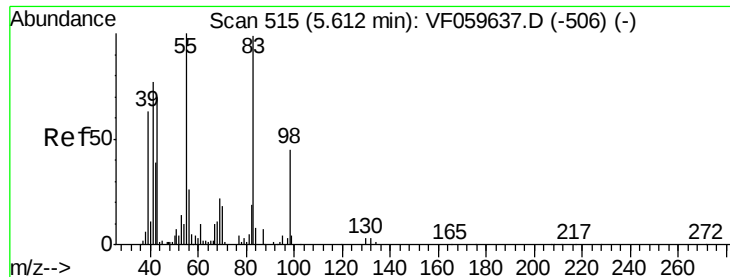
Tot Ion: 43 Resp: 51448
Ion Ratio Lower Upper
43 100
61 201.8 156.6 234.8
70 6.6 7.3 10.9#



#38
Carbon Tetrachloride
Concen: 50.94 ug/l
RT: 4.17 min Scan# 369
Delta R.T. 0.02 min
Lab File: VF059656.D
Acq: 25 Jul 2018 13:30

Tgt Ion: 117 Resp: 236267
Ion Ratio Lower Upper
117 100
119 88.2 83.0 124.6
121 29.3 26.2 39.4

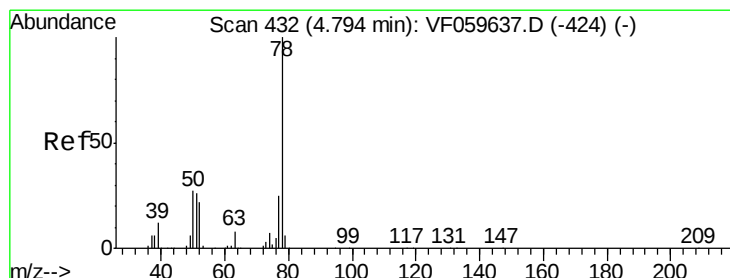
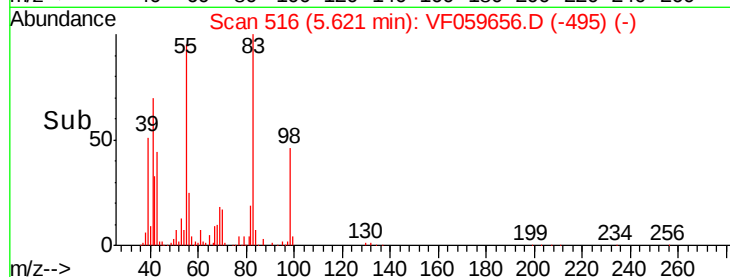
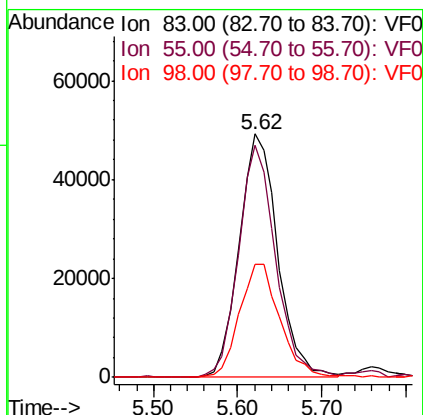
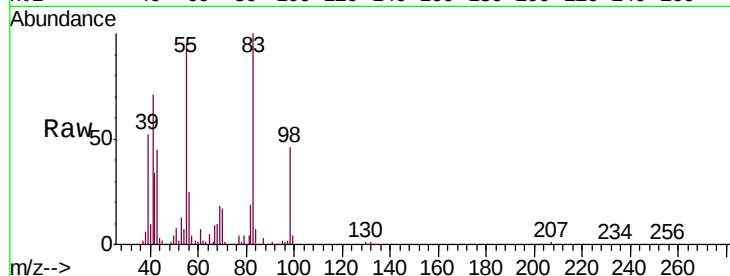




#39
Methvlcvclohexane
Concen: 57.89 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.01 min
Lab File: VF059656.D
Acq: 25 Jul 2018 13:30

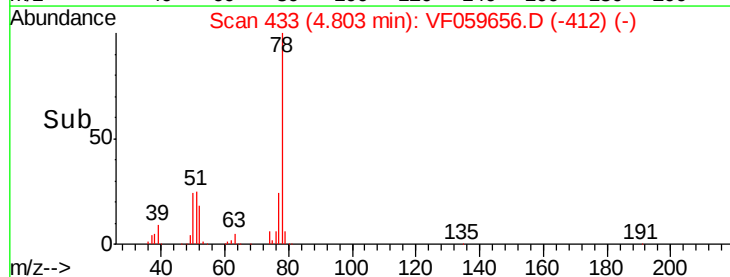
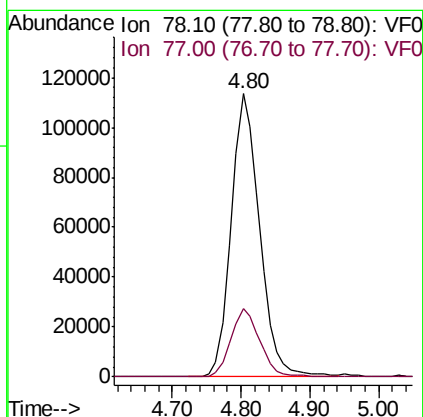
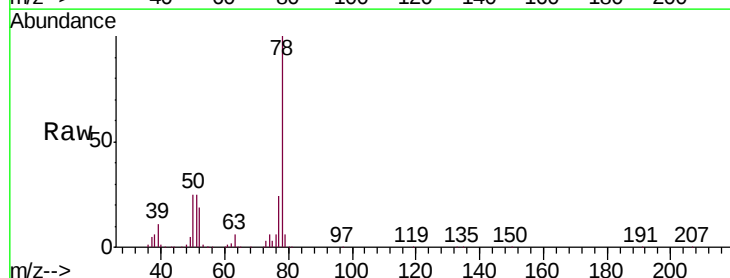
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

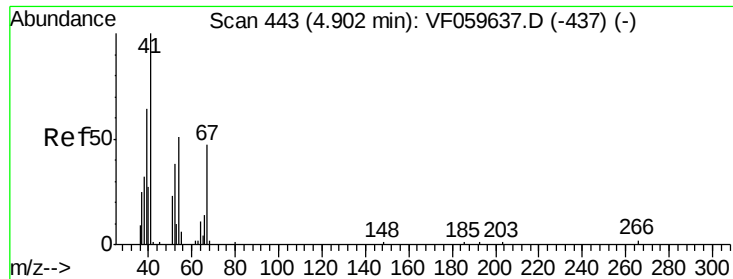
Tot Ion: 83 Resp: 157825
Ion Ratio Lower Upper
83 100
55 95.4 81.5 122.3
98 46.4 36.7 55.1



#40
Benzene
Concen: 52.22 ug/l
RT: 4.80 min Scan# 433
Delta R.T. 0.01 min
Lab File: VF059656.D
Acq: 25 Jul 2018 13:30

Tgt Ion: 78 Resp: 324698
Ion Ratio Lower Upper
78 100
77 24.3 19.8 29.6





#41

Methacrylonitrile

Concen: 43.28 ug/l

RT: 4.91 min Scan# 444

Delta R.T. 0.01 min

Lab File: VF059656.D

Acq: 25 Jul 2018 13:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 27213

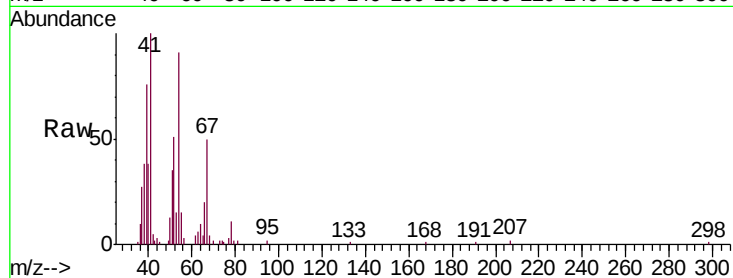
Ion Ratio Lower Upper

41 100

39 75.6 56.9 85.3

67 49.6 36.6 54.8

52 50.9 42.6 63.8

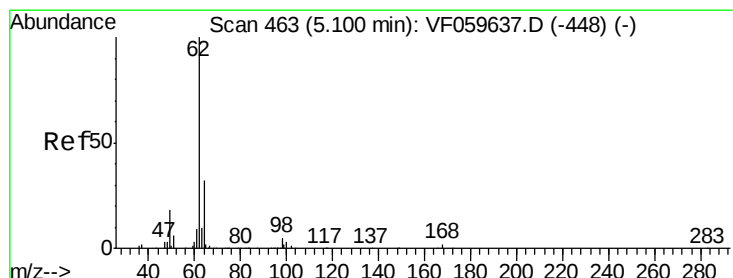
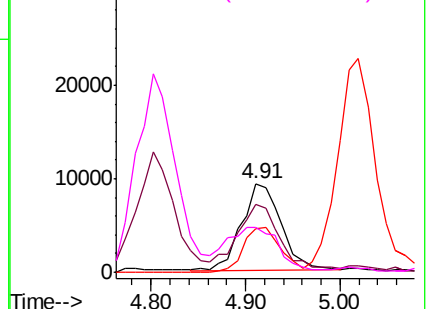
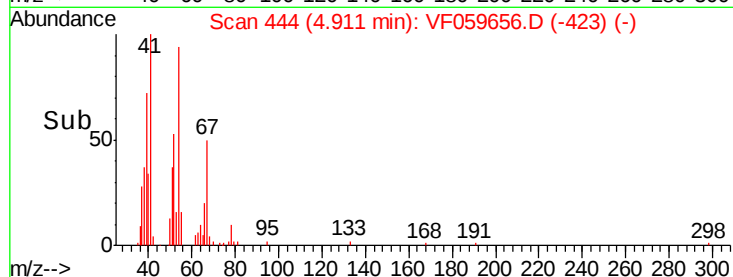


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 41.02 ug/l

RT: 5.12 min Scan# 465

Delta R.T. 0.02 min

Lab File: VF059656.D

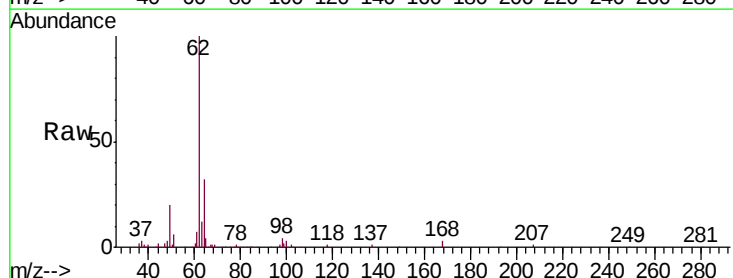
Acq: 25 Jul 2018 13:30

Tgt Ion: 62 Resp: 151138

Ion Ratio Lower Upper

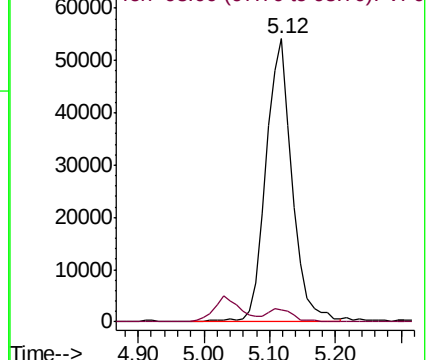
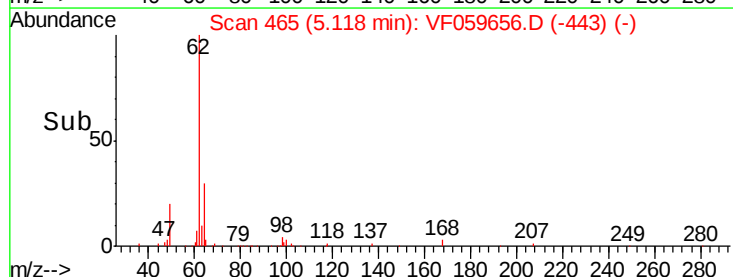
62 100

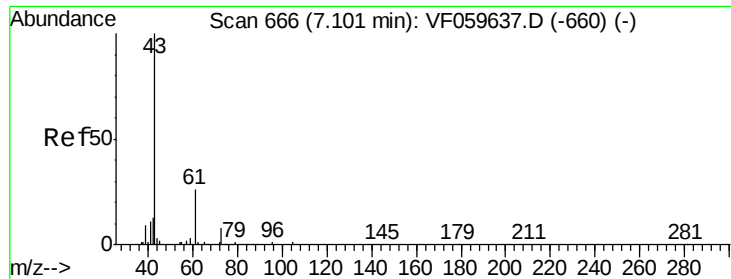
98 4.1 0.0 10.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



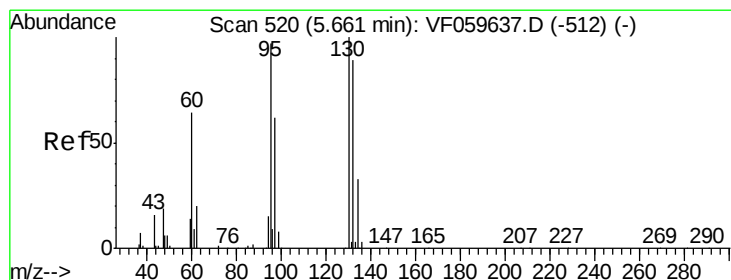
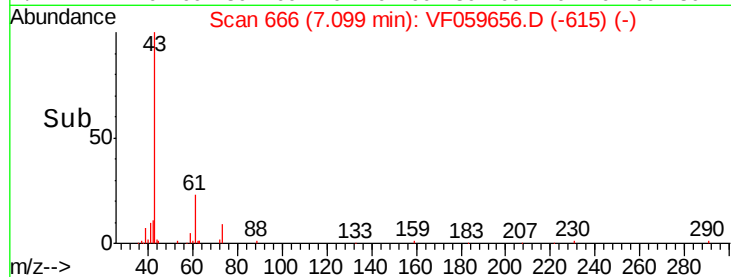
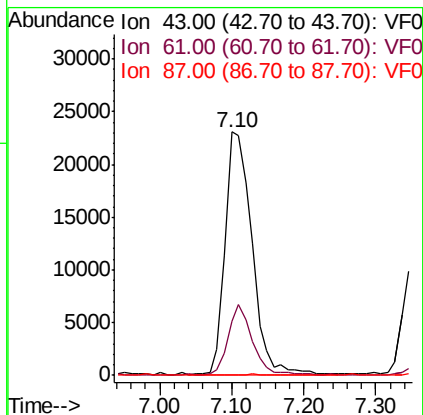
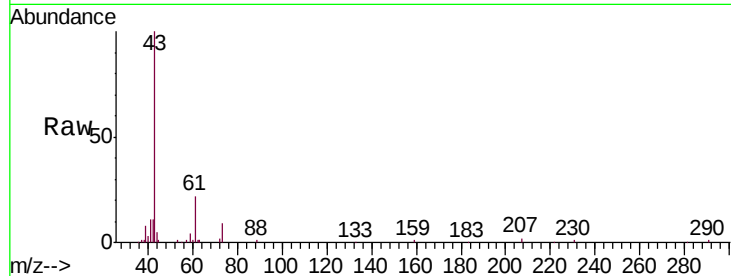


#43

Isopropyl Acetate
 Concen: 40.86 ug/l
 RT: 7.10 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VF059656.D
 Acq: 25 Jul 2018 13:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

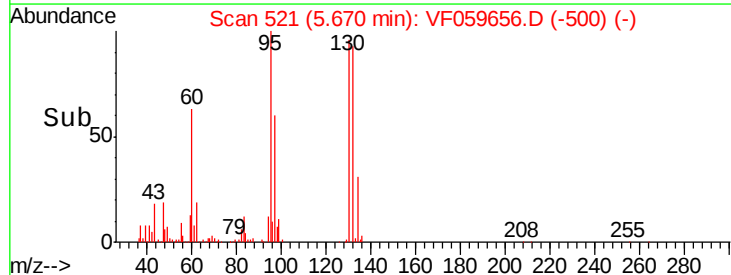
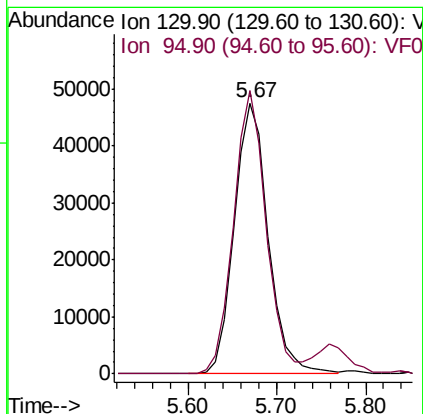
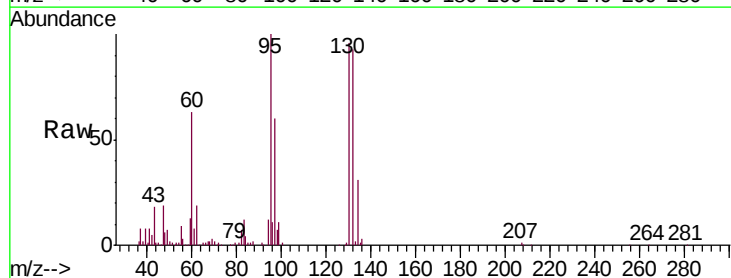
Tot Ion: 43 Resp: 60400
 Ion Ratio Lower Upper
 43 100
 61 22.1 20.5 30.7
 87 0.0 0.4 0.6#

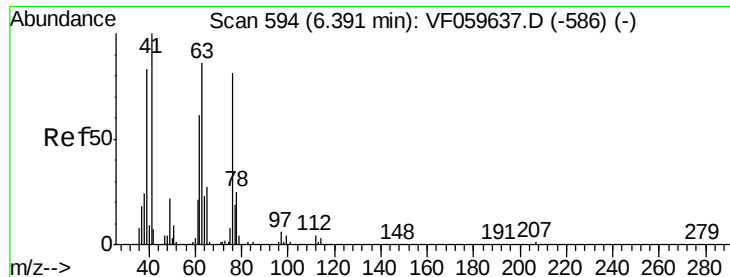


#44

Trichloroethene
 Concen: 54.90 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. 0.01 min
 Lab File: VF059656.D
 Acq: 25 Jul 2018 13:30

Tgt Ion: 130 Resp: 125984
 Ion Ratio Lower Upper
 130 100
 95 104.4 0.0 193.4

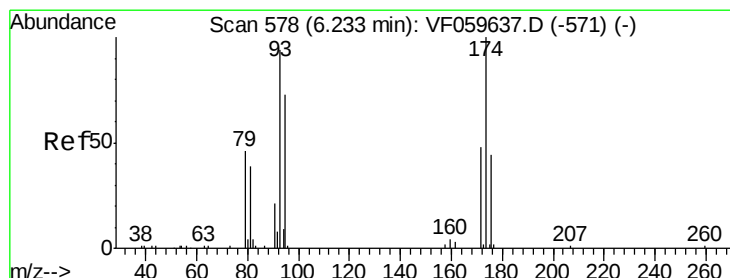
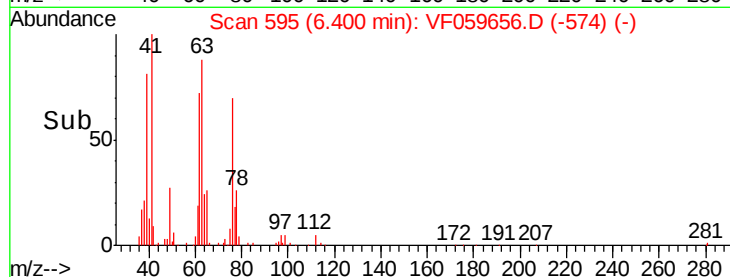
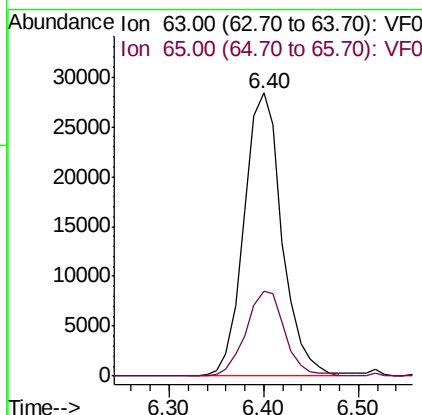
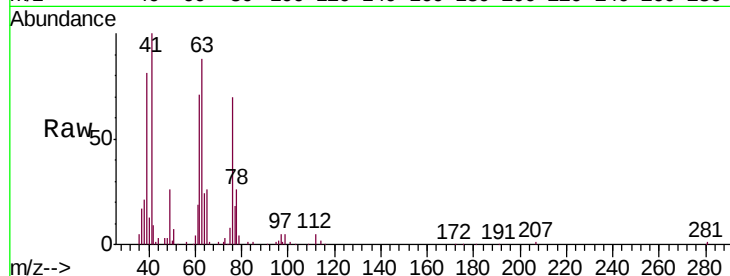




#45
 1,2-Dichloropropane
 Concen: 50.31 ug/l
 RT: 6.40 min Scan# 595
 Delta R.T. 0.01 min
 Lab File: VF059656.D
 Acq: 25 Jul 2018 13:30

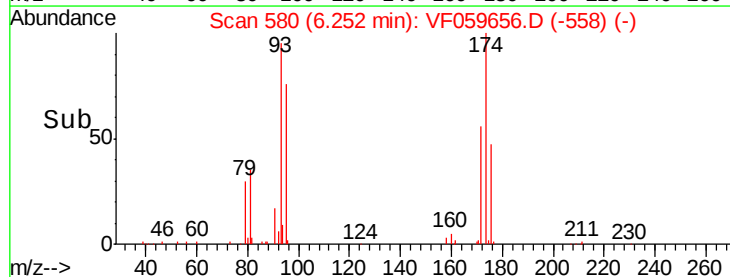
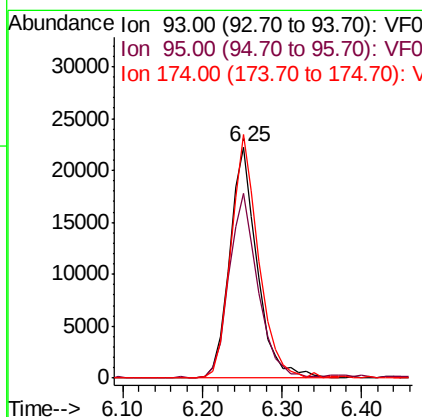
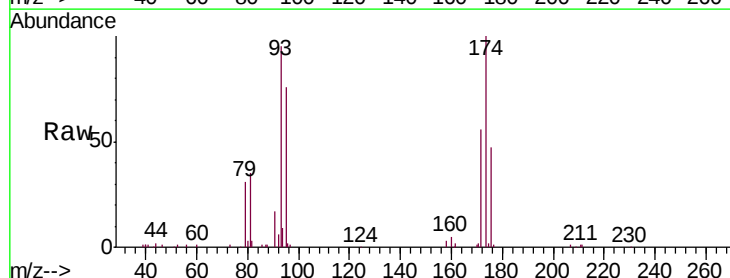
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

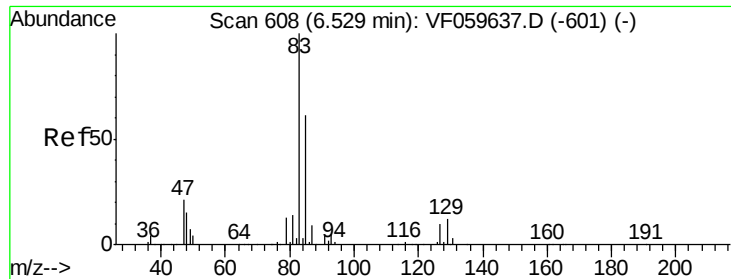
Tot Ion: 63 Resp: 79195
 Ion Ratio Lower Upper
 63 100
 65 29.9 25.1 37.7



#46
 Dibromomethane
 Concen: 40.29 ug/l
 RT: 6.25 min Scan# 580
 Delta R.T. 0.02 min
 Lab File: VF059656.D
 Acq: 25 Jul 2018 13:30

Tgt Ion: 93 Resp: 53580
 Ion Ratio Lower Upper
 93 100
 95 80.0 63.1 94.7
 174 107.2 85.3 127.9





#47

Bromodichloromethane

Concen: 45.54 ug/l

RT: 6.55 min Scan# 610

Delta R.T. 0.02 min

Lab File: VF059656.D

Acq: 25 Jul 2018 13:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

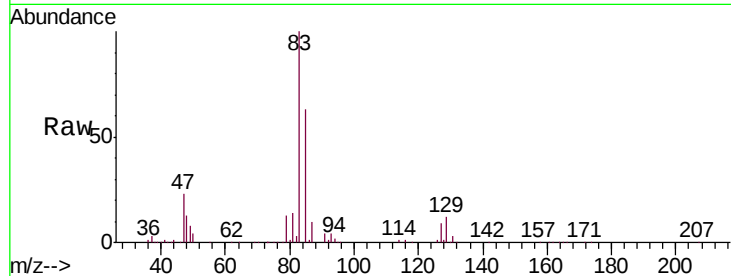
Tot Ion: 83 Resp: 177052

Ion Ratio Lower Upper

83 100

85 62.6 48.6 72.8

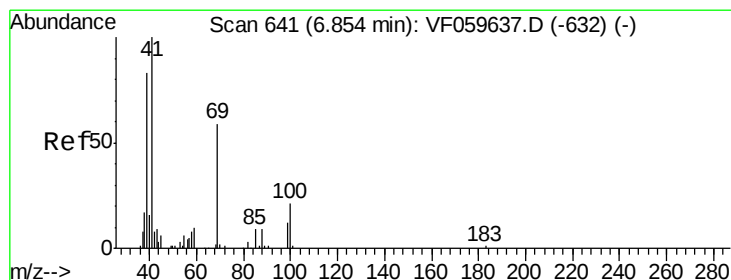
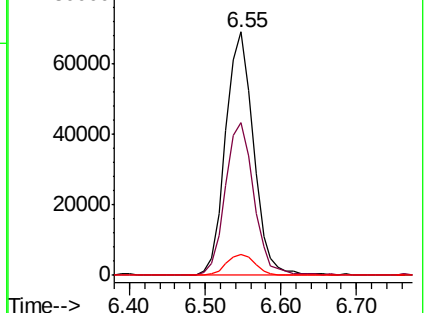
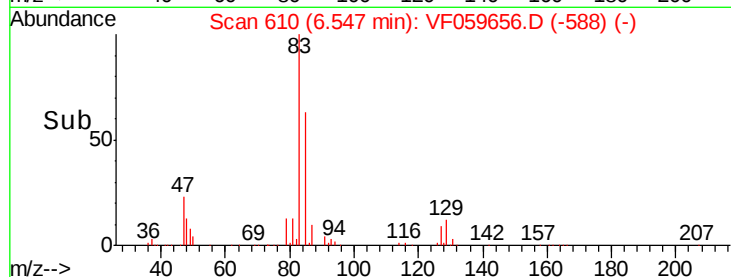
127 8.8 7.7 11.5



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: 40.53 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.02 min

Lab File: VF059656.D

Acq: 25 Jul 2018 13:30

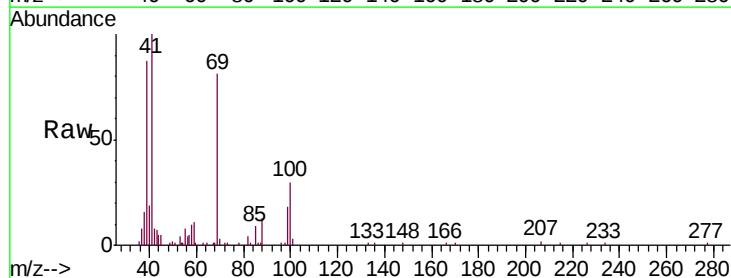
Tgt Ion: 41 Resp: 44106

Ion Ratio Lower Upper

41 100

69 81.3 47.5 71.3#

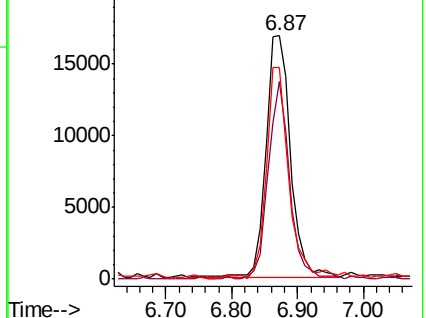
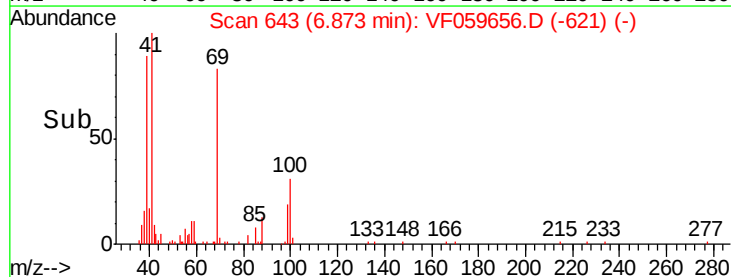
39 87.1 67.0 100.6

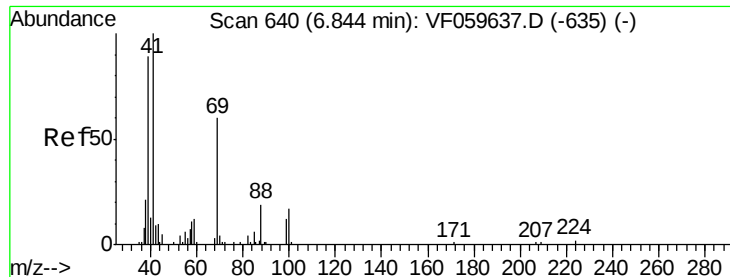


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

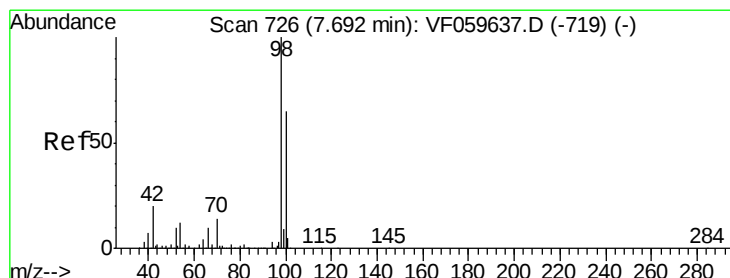
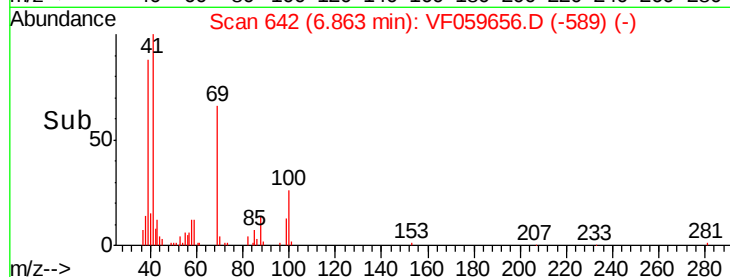
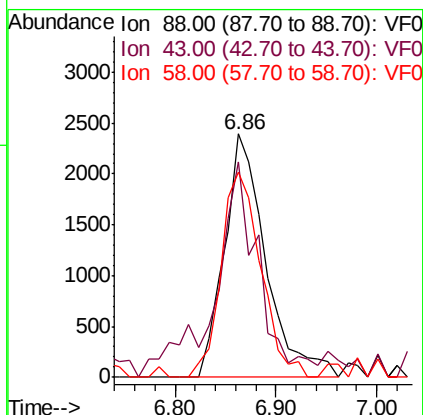
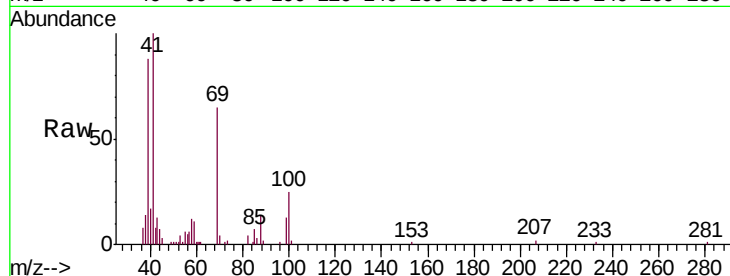




#49
1,4-Dioxane
Concen: 815.36 ug/l
RT: 6.86 min Scan# 642
Delta R.T. 0.02 min
Lab File: VF059656.D
Acq: 25 Jul 2018 13:30

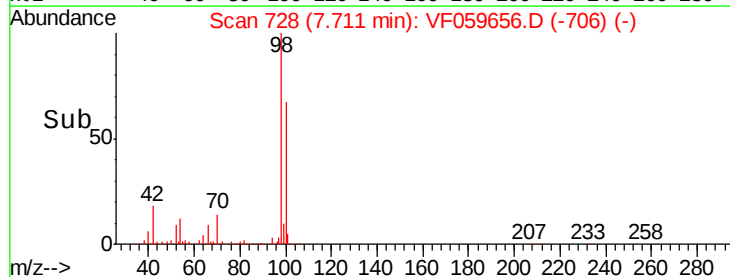
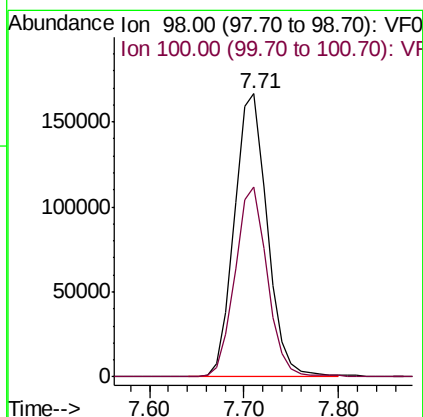
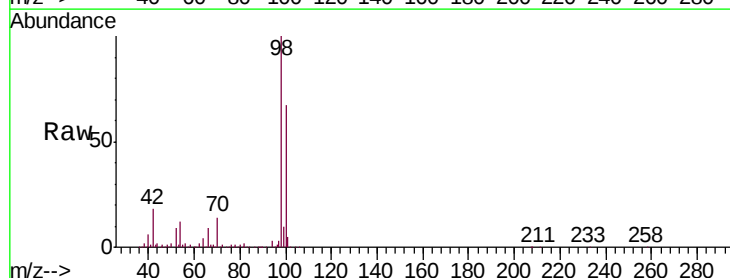
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

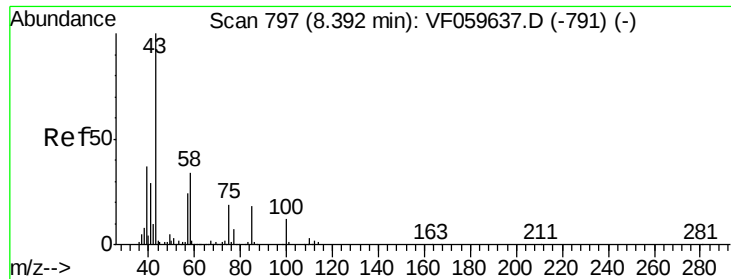
Tot Ion: 88 Resp: 6828
Ion Ratio Lower Upper
88 100
43 88.3 45.3 67.9#
58 84.0 47.7 71.5#



#50
Toluene-d8
Concen: 55.92 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.02 min
Lab File: VF059656.D
Acq: 25 Jul 2018 13:30

Tgt Ion: 98 Resp: 402438
Ion Ratio Lower Upper
98 100
100 67.0 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 216.36 ug/l

RT: 8.40 min Scan# 798

Delta R.T. 0.01 min

Lab File: VF059656.D

Acq: 25 Jul 2018 13:30

Instrument :

MSVOA_F

ClientSampleId :

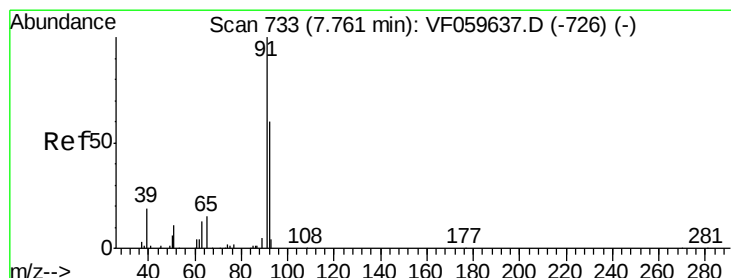
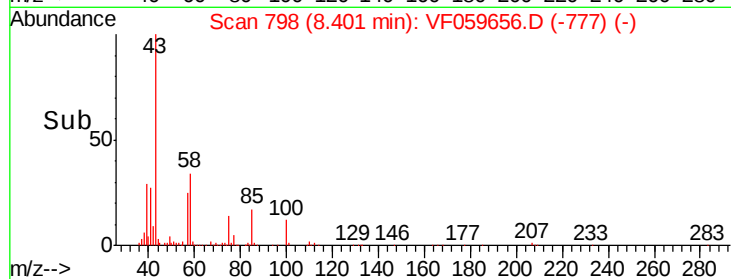
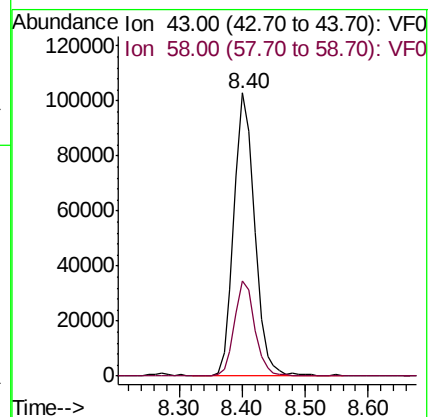
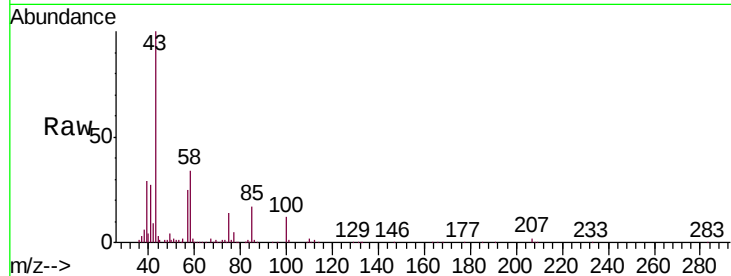
VSTDCCC050

Tot Ion: 43 Resp: 235073

Ion Ratio Lower Upper

43 100

58 33.7 27.3 40.9



#52

Toluene

Concen: 55.90 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.02 min

Lab File: VF059656.D

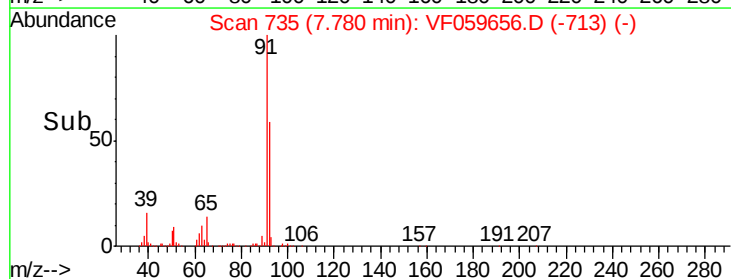
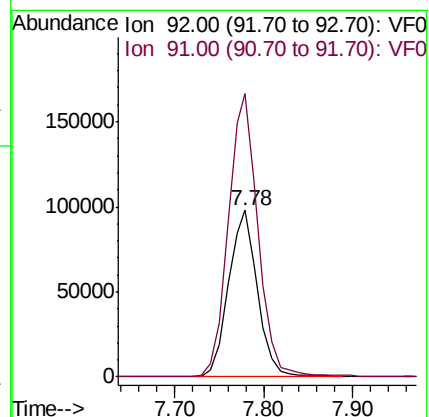
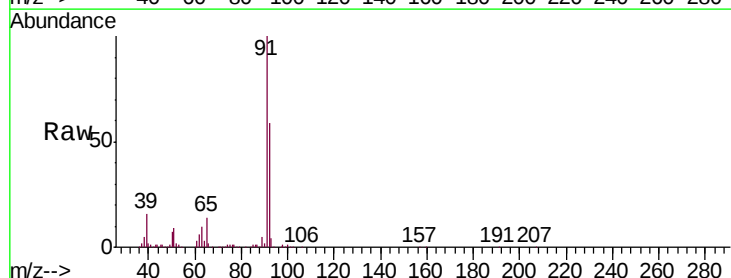
Acq: 25 Jul 2018 13:30

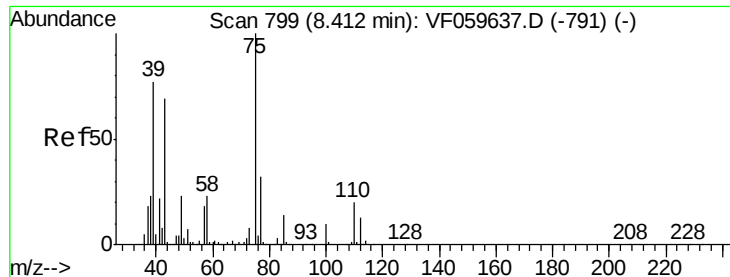
Tgt Ion: 92 Resp: 222729

Ion Ratio Lower Upper

92 100

91 169.7 134.2 201.4





#53

t-1,3-Dichloropropene

Concen: 43.93 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.02 min

Lab File: VF059656.D

Acq: 25 Jul 2018 13:30

Instrument :

MSVOA_F

ClientSampleId :

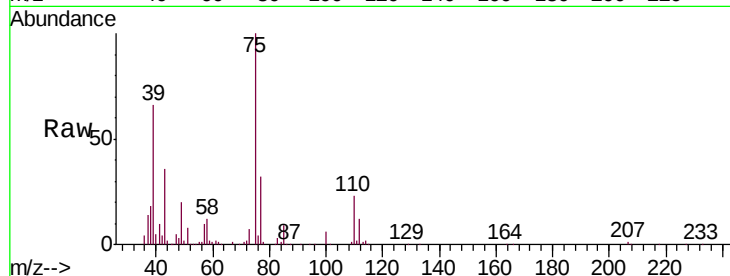
VSTDCCC050

Tot Ion: 75 Resp: 136084

Ion Ratio Lower Upper

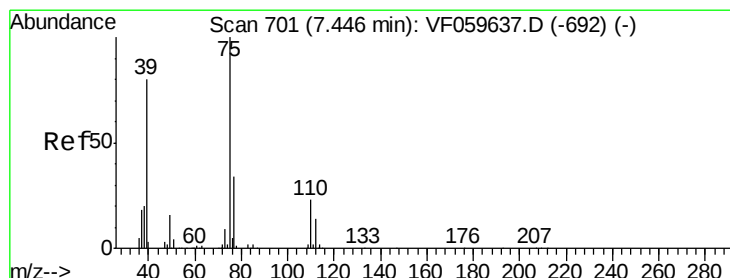
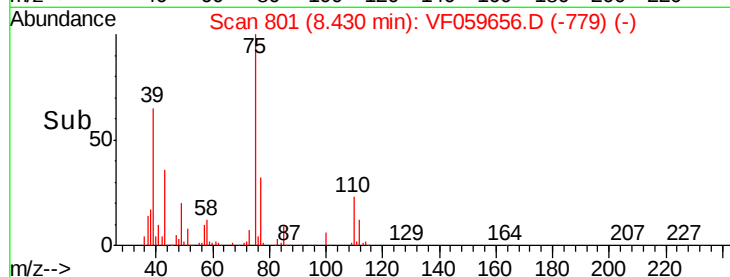
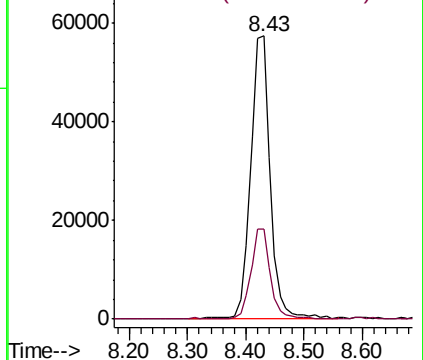
75 100

77 31.9 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 48.94 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.01 min

Lab File: VF059656.D

Acq: 25 Jul 2018 13:30

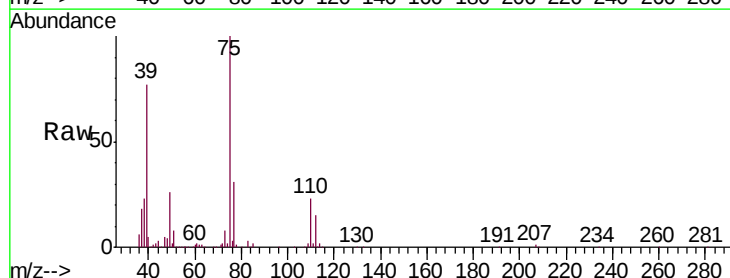
Tgt Ion: 75 Resp: 160280

Ion Ratio Lower Upper

75 100

77 31.4 27.5 41.3

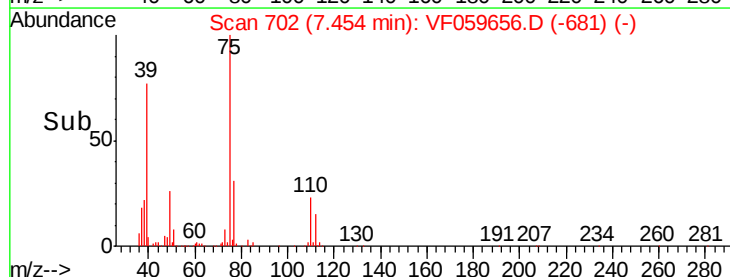
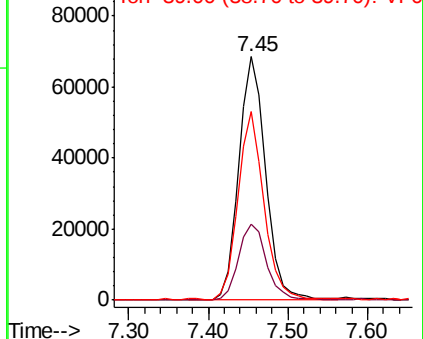
39 77.3 64.4 96.6

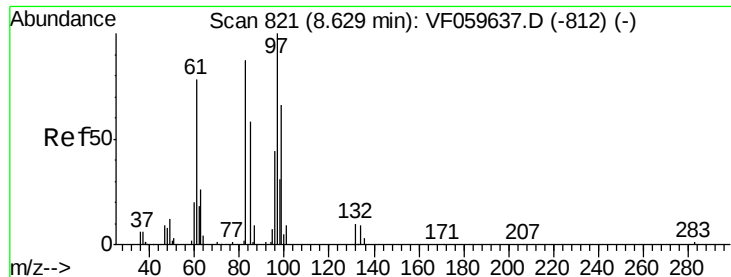


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 46.42 ug/l

RT: 8.64 min Scan# 822

Delta R.T. 0.01 min

Lab File: VF059656.D

Acq: 25 Jul 2018 13:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 64350

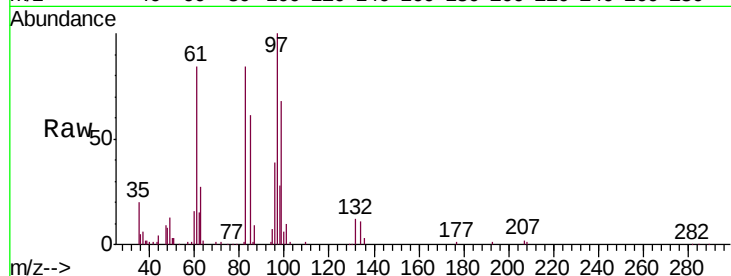
Ion Ratio Lower Upper

97 100

83 84.1 69.5 104.3

85 60.9 46.0 69.0

99 67.6 53.2 79.8

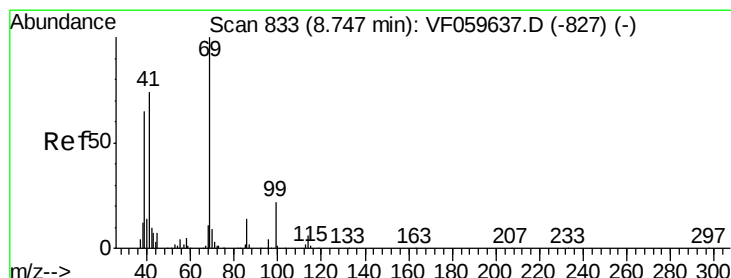
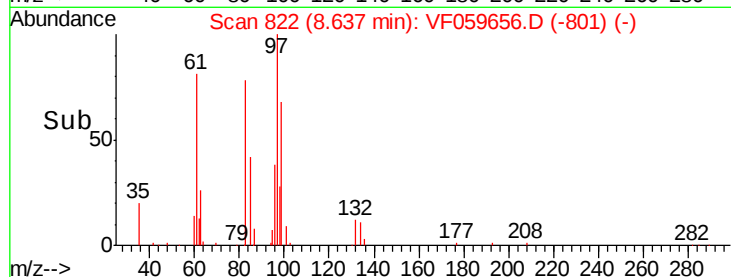
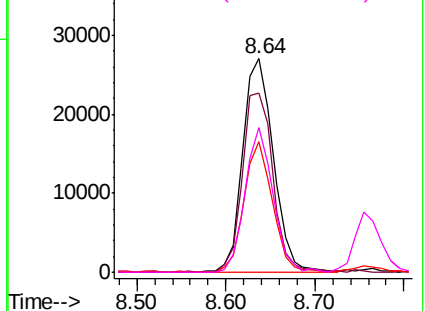


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 44.75 ug/l

RT: 8.76 min Scan# 834

Delta R.T. 0.01 min

Lab File: VF059656.D

Acq: 25 Jul 2018 13:30

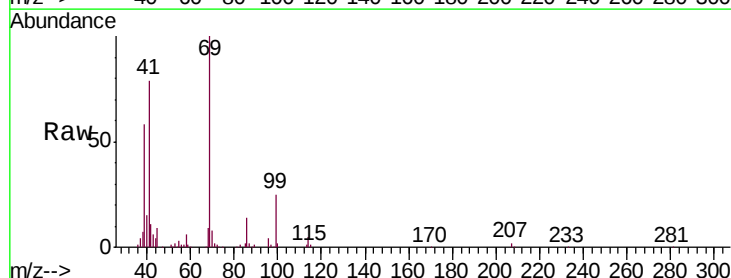
Tgt Ion: 69 Resp: 66310

Ion Ratio Lower Upper

69 100

41 79.2 59.1 88.7

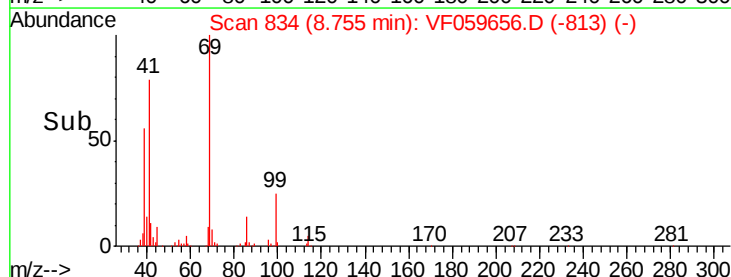
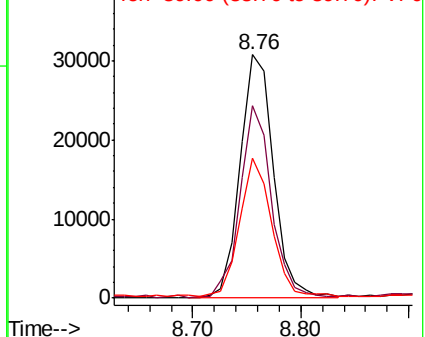
39 57.6 52.4 78.6

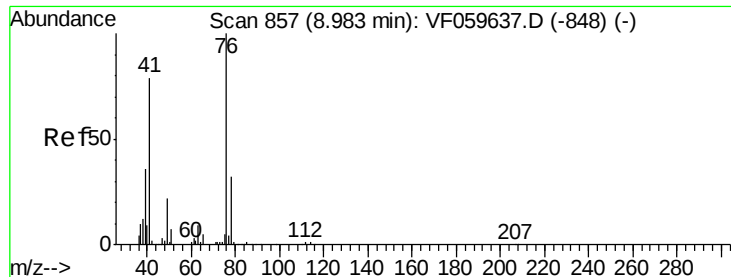


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 43.94 ug/l

RT: 8.99 min Scan# 858

Delta R.T. 0.01 min

Lab File: VF059656.D

Acq: 25 Jul 2018 13:30

Instrument :

MSVOA_F

ClientSampleId :

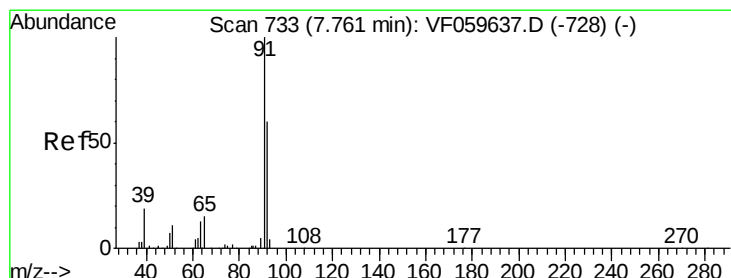
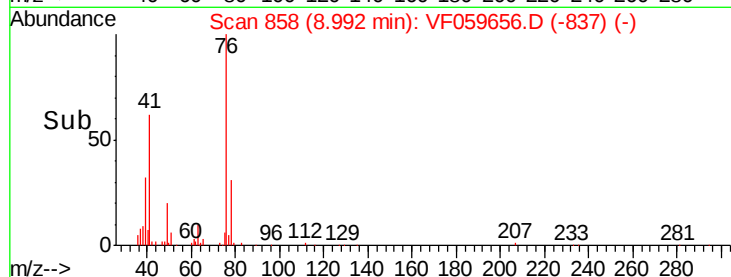
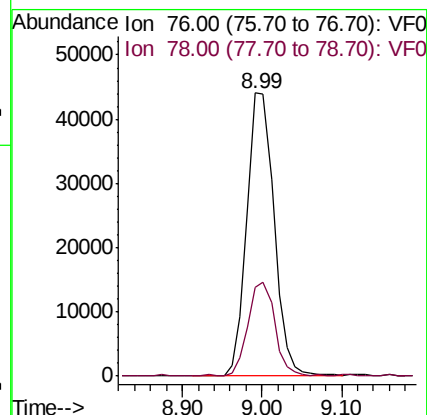
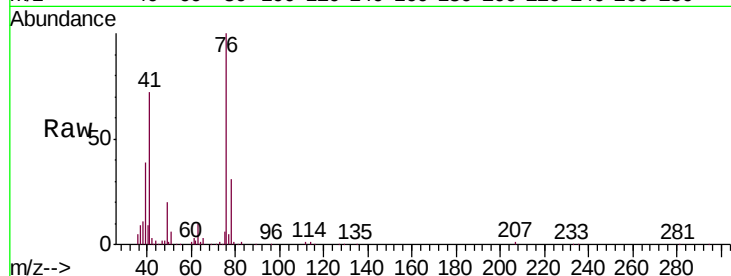
VSTDCCC050

Tot Ion: 76 Resp: 104288

Ion Ratio Lower Upper

76 100

78 31.3 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 215.45 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.01 min

Lab File: VF059656.D

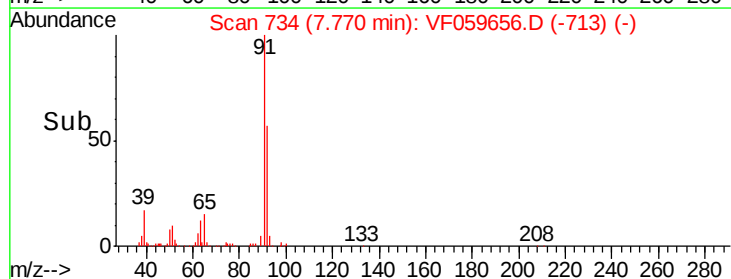
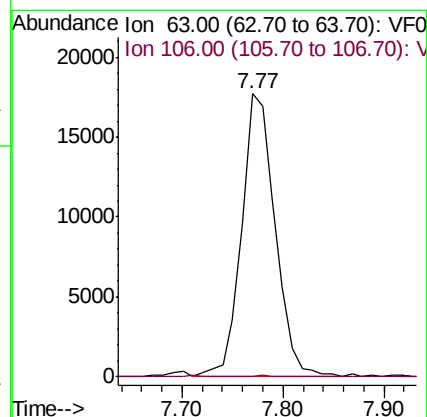
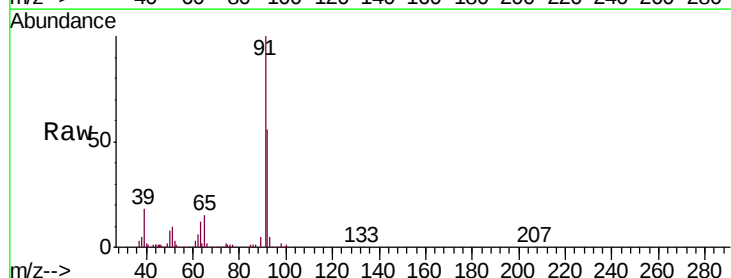
Acq: 25 Jul 2018 13:30

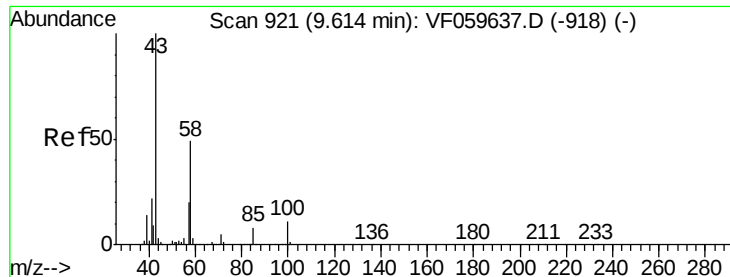
Tgt Ion: 63 Resp: 40983

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

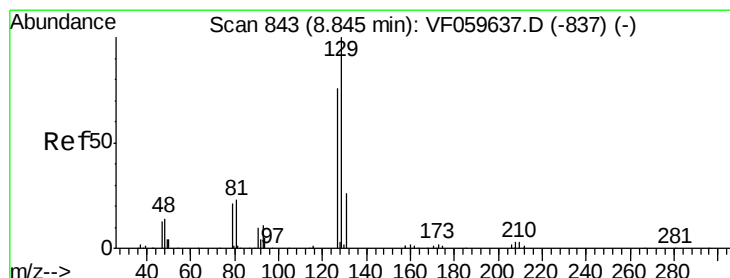
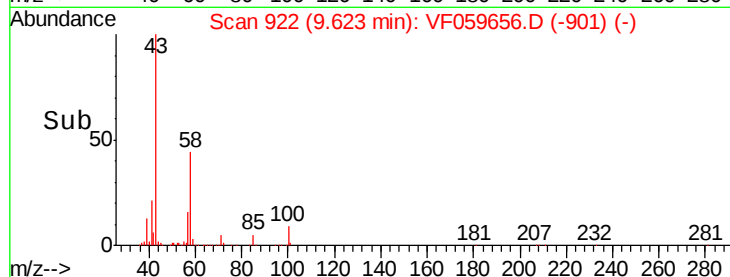
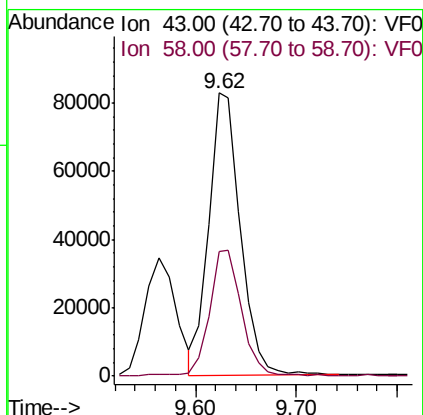
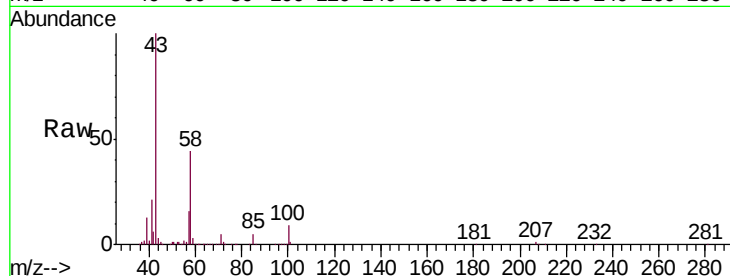




#59
2-Hexanone
Concen: 216.98 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.01 min
Lab File: VF059656.D
Acq: 25 Jul 2018 13:30

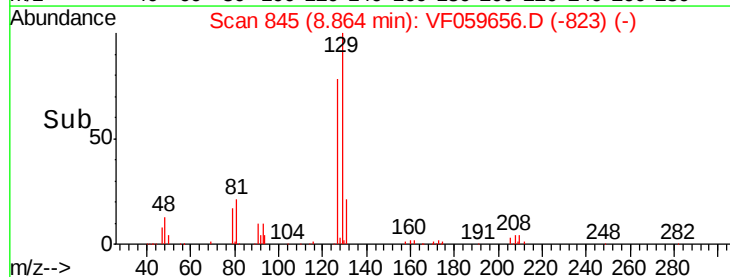
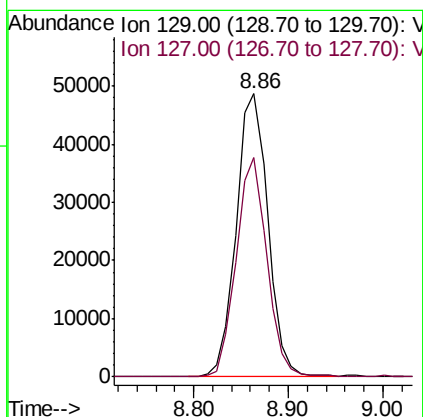
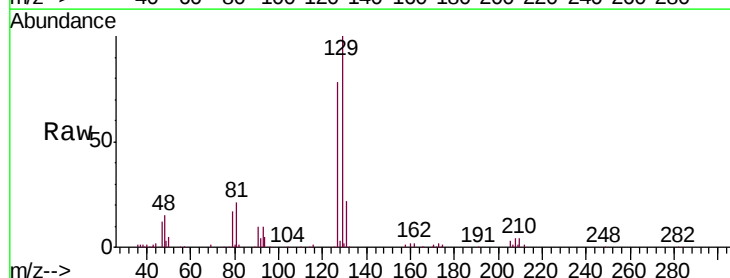
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

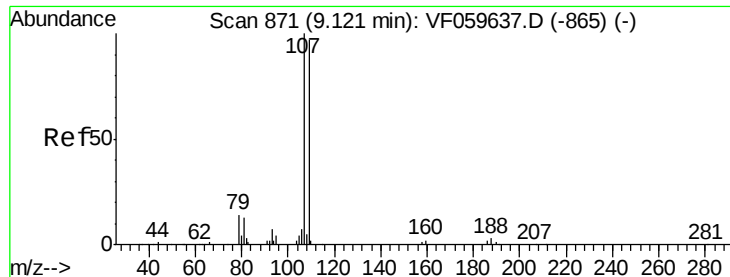
Tot Ion: 43 Resp: 180030
Ion Ratio Lower Upper
43 100
58 44.1 23.6 71.0



#60
Dibromochloromethane
Concen: 44.19 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.02 min
Lab File: VF059656.D
Acq: 25 Jul 2018 13:30

Tgt Ion: 129 Resp: 113270
Ion Ratio Lower Upper
129 100
127 77.7 38.1 114.5





#61

1,2-Dibromoethane

Concen: 40.70 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.02 min

Lab File: VF059656.D

Acq: 25 Jul 2018 13:30

Instrument :

MSVOA_F

ClientSampleId :

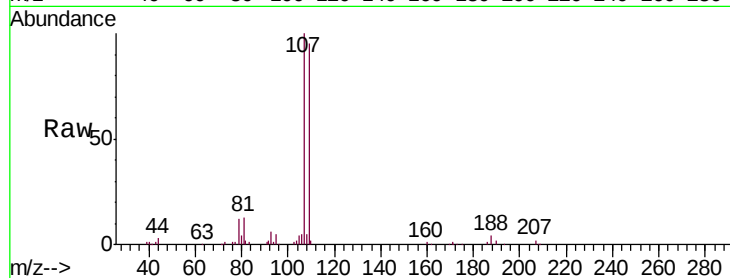
VSTDCCC050

Tot Ion:107 Resp: 68906

Ion Ratio Lower Upper

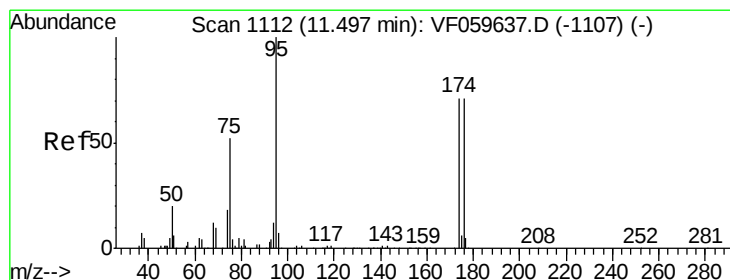
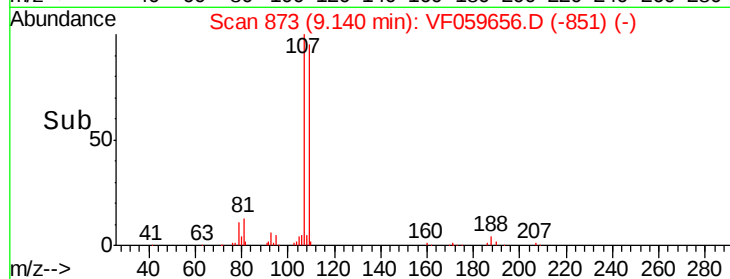
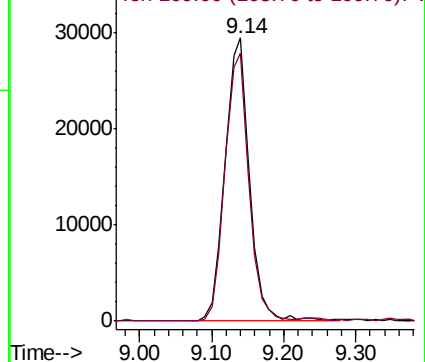
107 100

109 94.5 77.3 115.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 48.07 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VF059656.D

Acq: 25 Jul 2018 13:30

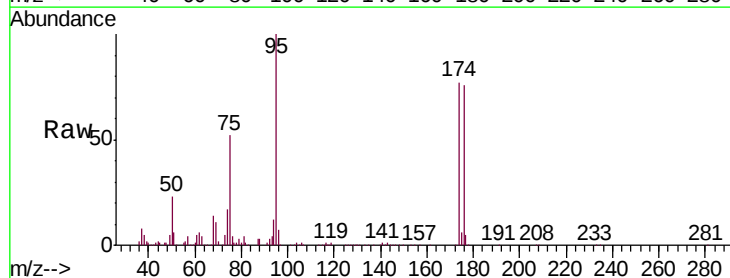
Tgt Ion: 95 Resp: 177746

Ion Ratio Lower Upper

95 100

174 77.4 0.0 141.8

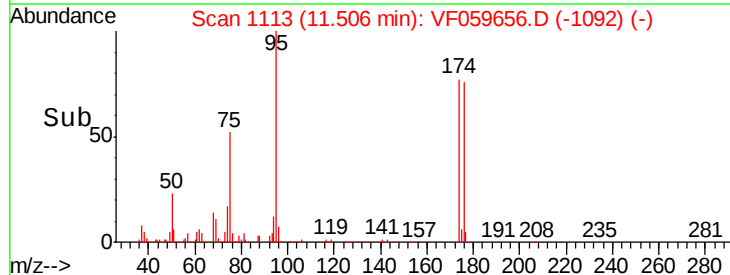
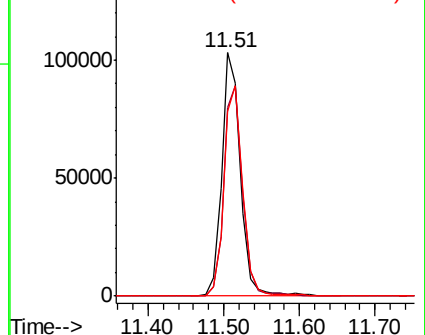
176 76.0 0.0 142.0

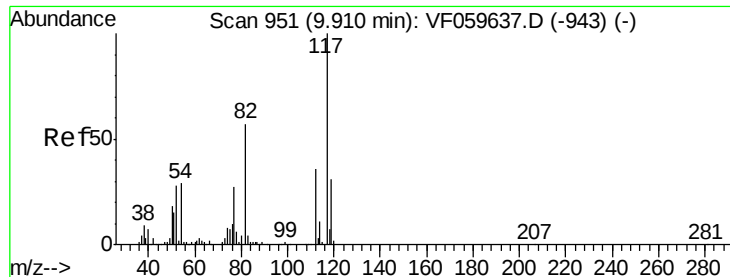


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

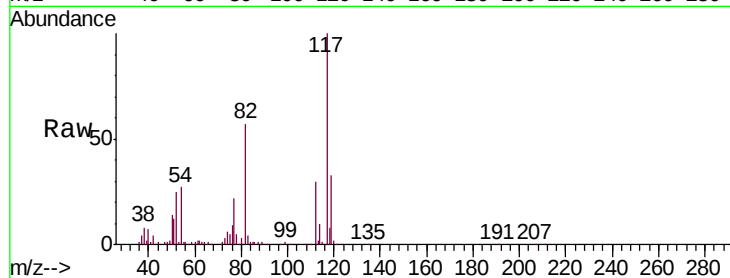




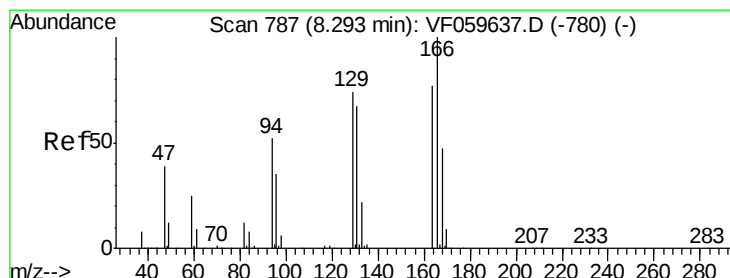
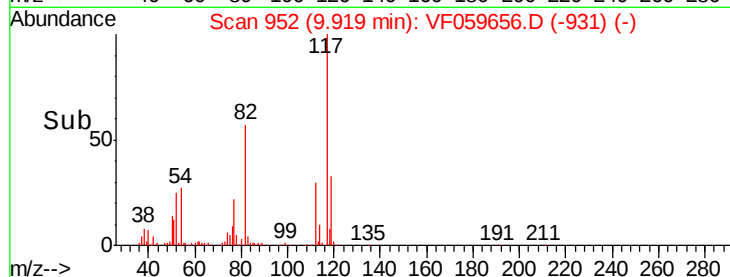
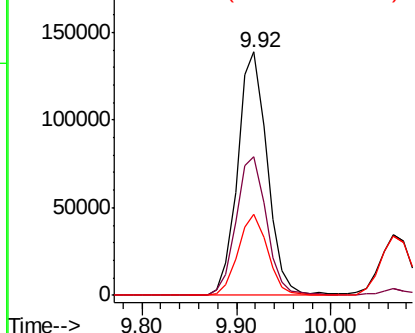
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF059656.D
Acq: 25 Jul 2018 13:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 302222
Ion Ratio Lower Upper
117 100
82 56.8 45.9 68.9
119 33.1 25.1 37.7

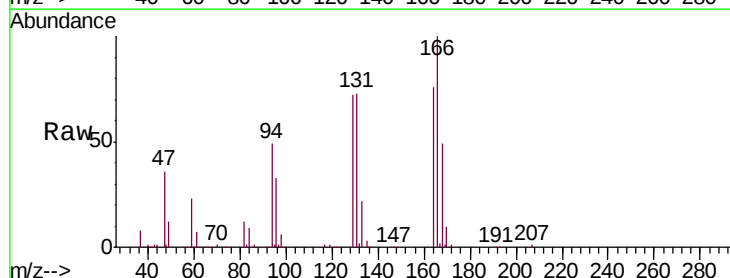


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

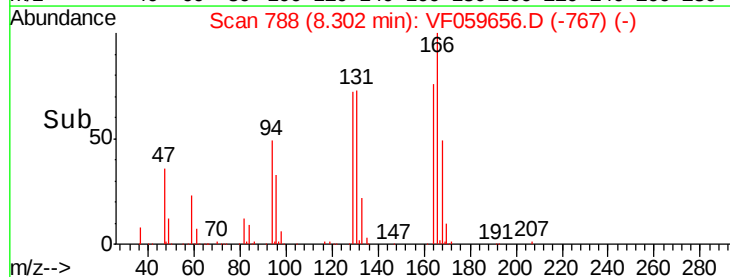
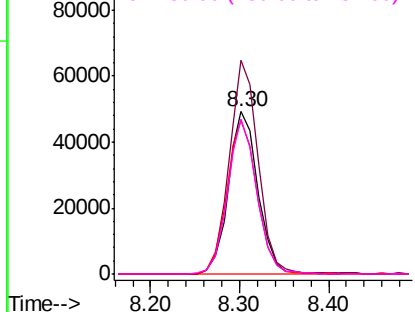


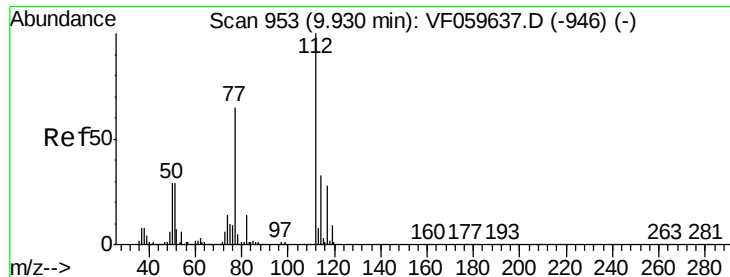
#64
Tetrachloroethene
Concen: 47.93 ug/l
RT: 8.30 min Scan# 788
Delta R.T. 0.01 min
Lab File: VF059656.D
Acq: 25 Jul 2018 13:30

Tgt Ion:164 Resp: 114771
Ion Ratio Lower Upper
164 100
166 131.5 103.3 154.9
129 94.6 76.2 114.2
131 95.7 69.1 103.7



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





#65

Chlorobenzene

Concen: 50.01 ug/l

RT: 9.94 min Scan# 954

Delta R.T. 0.01 min

Lab File: VF059656.D

Acq: 25 Jul 2018 13:30

Instrument :

MSVOA_F

ClientSampleId :

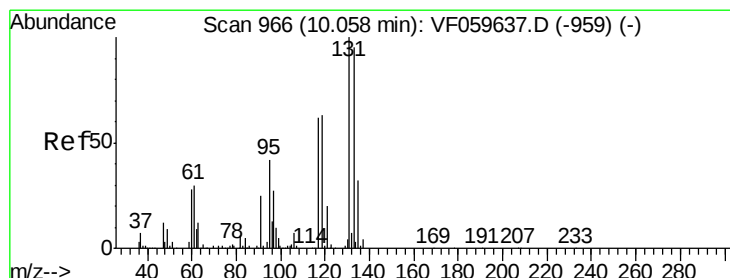
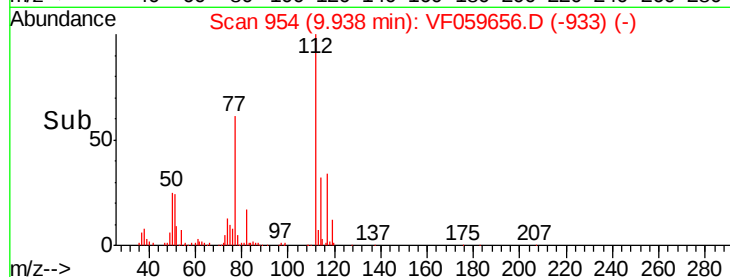
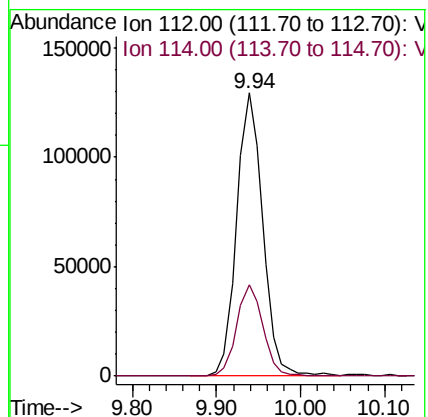
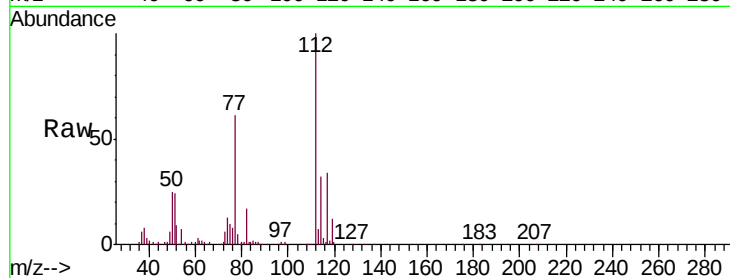
VSTDCCC050

Tot Ion:112 Resp: 280003

Ion Ratio Lower Upper

112 100

114 32.4 26.4 39.6



#66

1,1,1,2-Tetrachloroethane

Concen: 47.07 ug/l

RT: 10.07 min Scan# 967

Delta R.T. 0.01 min

Lab File: VF059656.D

Acq: 25 Jul 2018 13:30

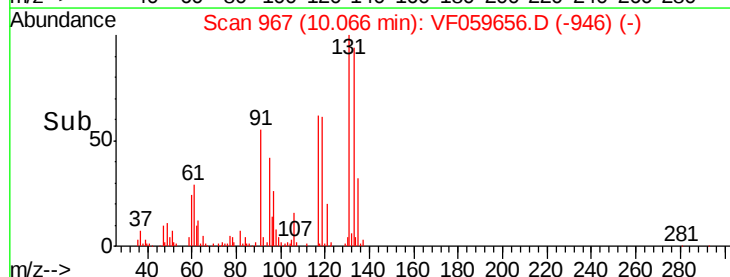
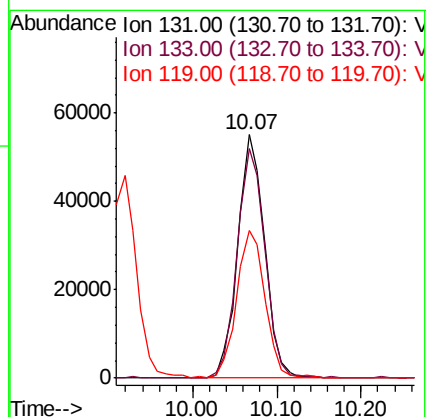
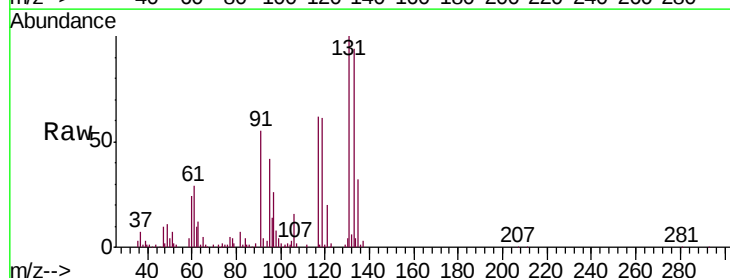
Tgt Ion:131 Resp: 122166

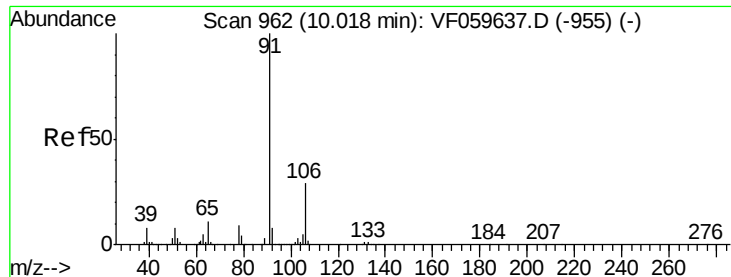
Ion Ratio Lower Upper

131 100

133 94.2 47.5 142.6

119 60.7 31.8 95.4





#67

Ethyl Benzene

Concen: 53.69 ug/l

RT: 10.04 min Scan# 964

Delta R.T. 0.02 min

Lab File: VF059656.D

Acq: 25 Jul 2018 13:30

Instrument :

MSVOA_F

ClientSampleId :

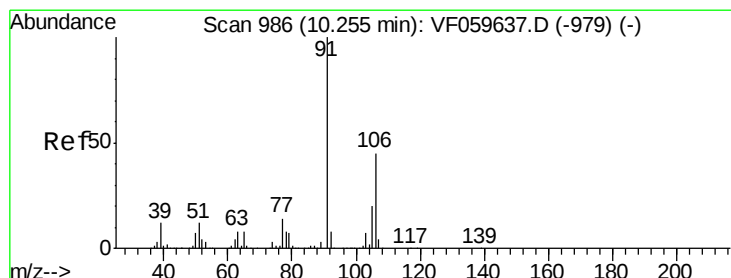
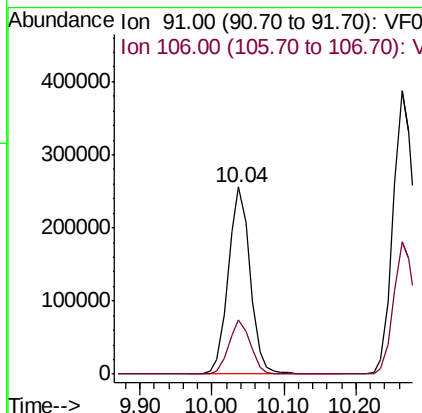
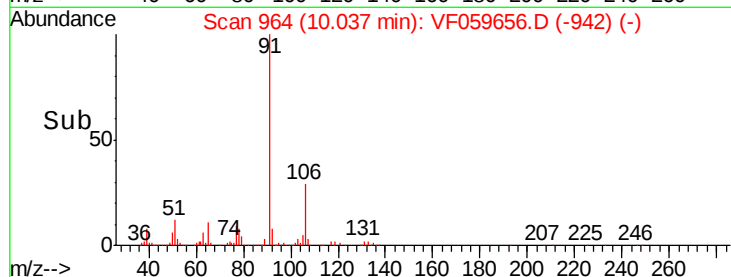
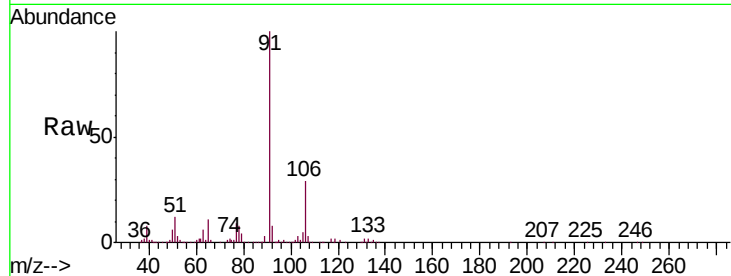
VSTDCCC050

Tot Ion: 91 Resp: 540216

Ion Ratio Lower Upper

91 100

106 28.9 23.4 35.0



#68

m/p-Xylenes

Concen: 104.50 ug/l

RT: 10.26 min Scan# 987

Delta R.T. 0.01 min

Lab File: VF059656.D

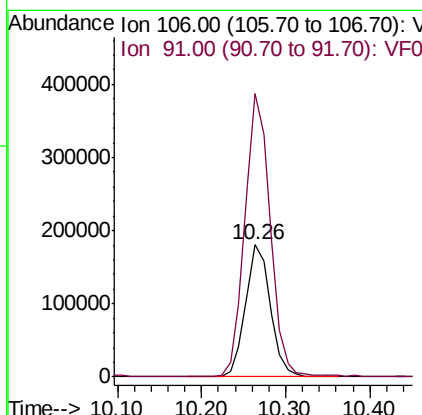
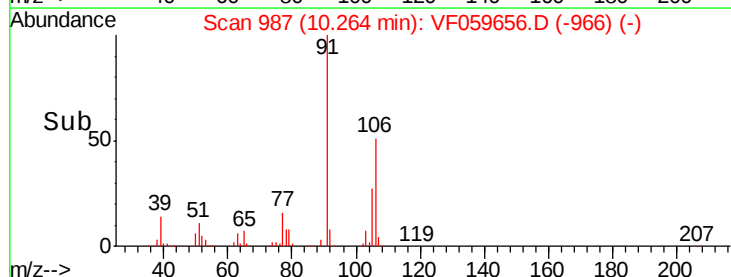
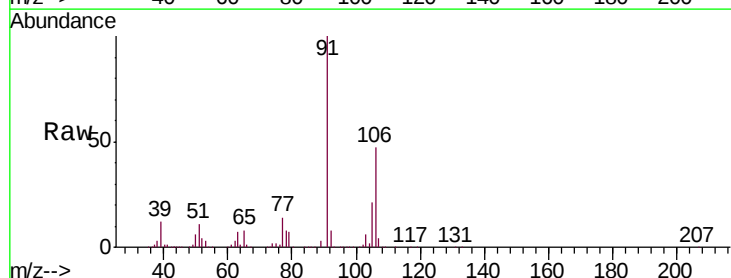
Acq: 25 Jul 2018 13:30

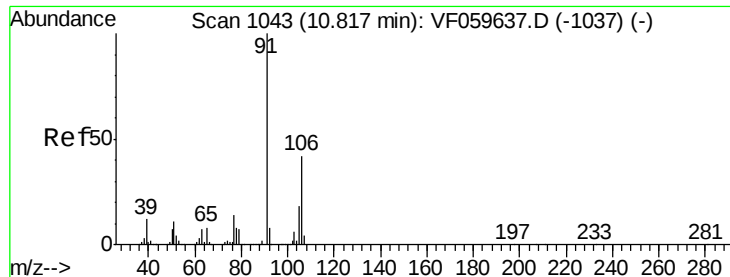
Tgt Ion: 106 Resp: 375688

Ion Ratio Lower Upper

106 100

91 214.9 177.8 266.8

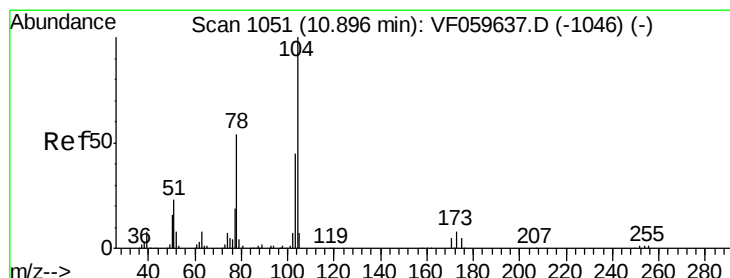
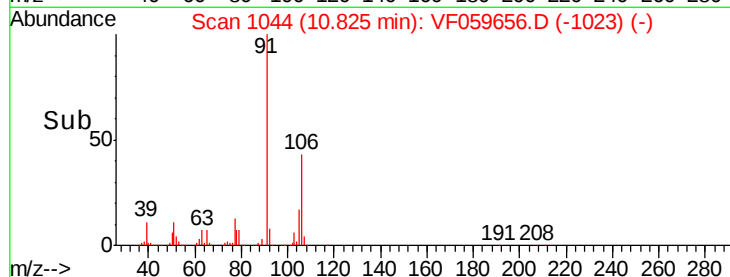
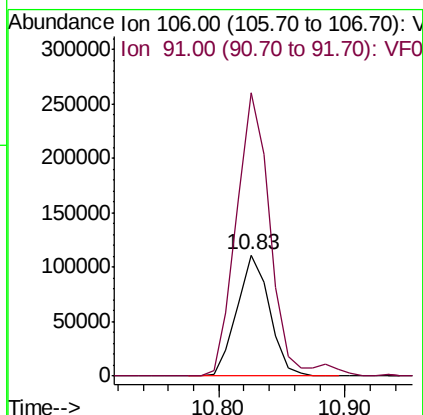
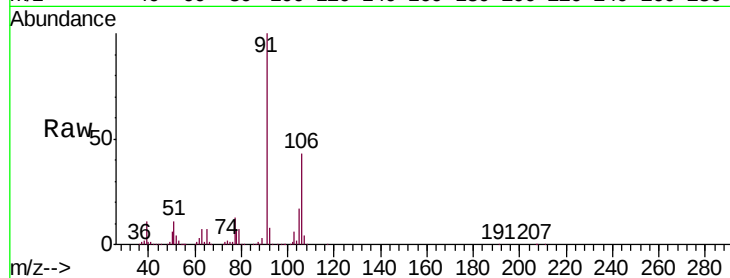




#69
o-Xylene
Concen: 52.28 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VF059656.D
Acq: 25 Jul 2018 13:30

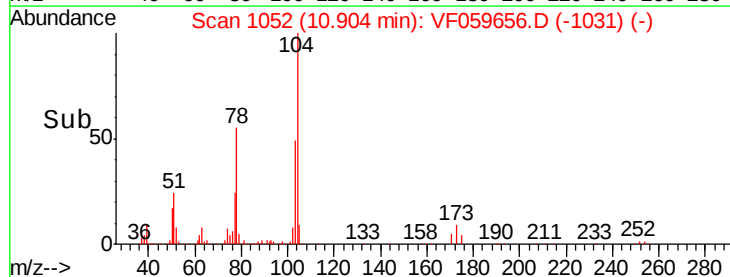
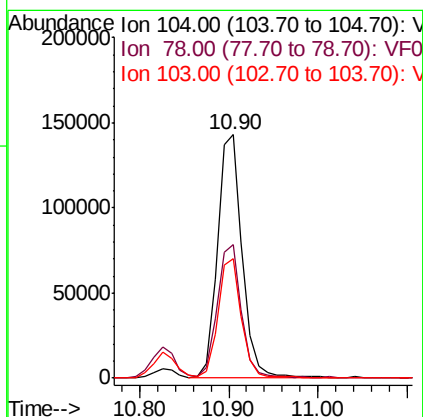
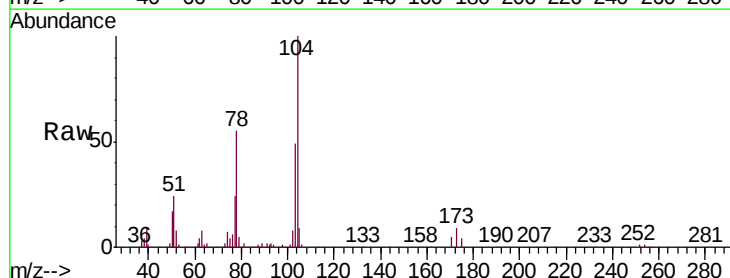
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

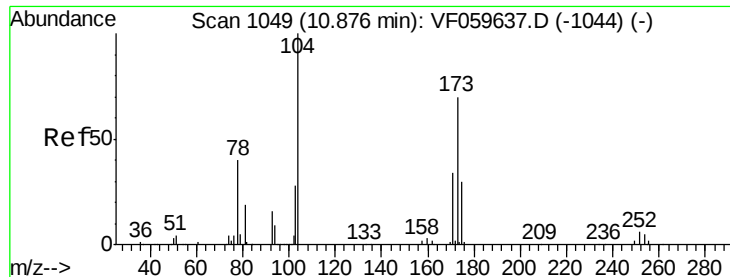
Tot Ion:106 Resp: 200070
Ion Ratio Lower Upper
106 100
91 234.2 119.3 357.9



#70
Styrene
Concen: 49.77 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF059656.D
Acq: 25 Jul 2018 13:30

Tgt Ion:104 Resp: 275063
Ion Ratio Lower Upper
104 100
78 54.8 43.4 65.2
103 49.3 36.7 55.1

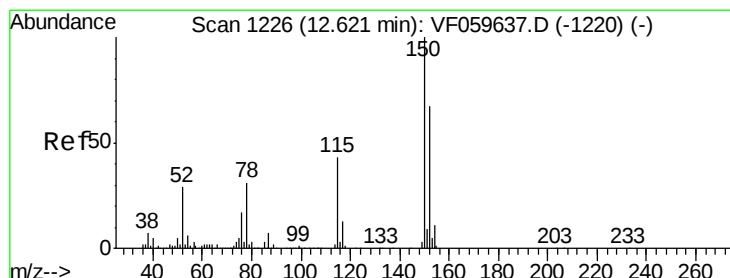
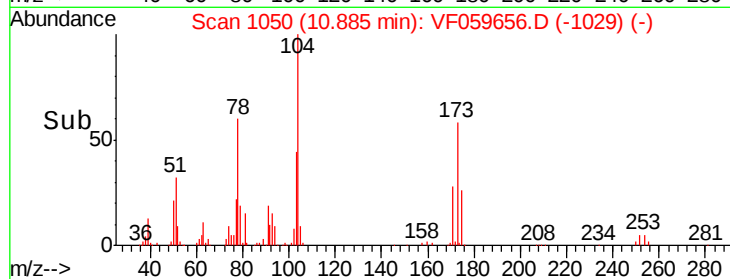
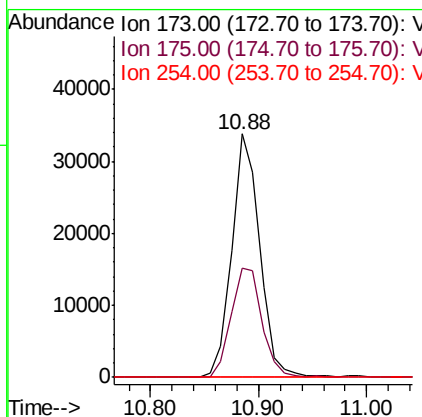
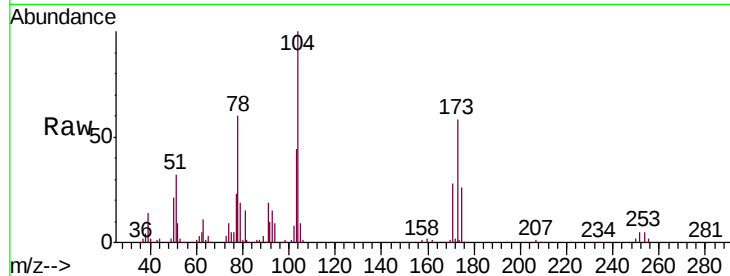




#71
Bromoform
Concen: 41.49 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VF059656.D
Acq: 25 Jul 2018 13:30

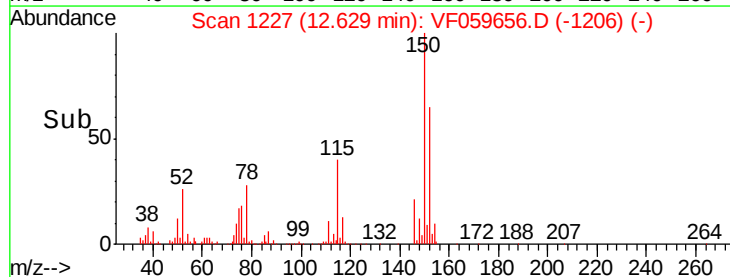
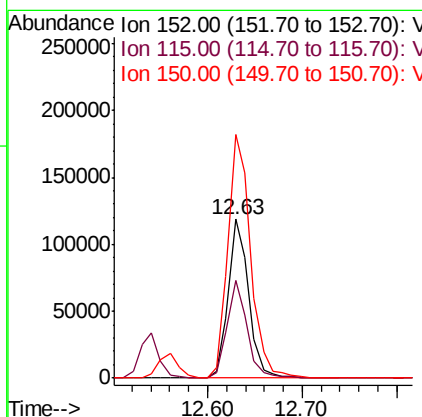
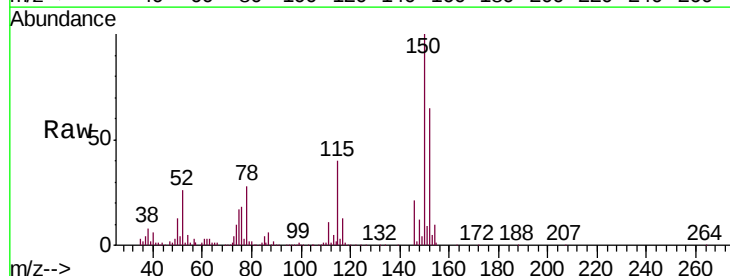
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

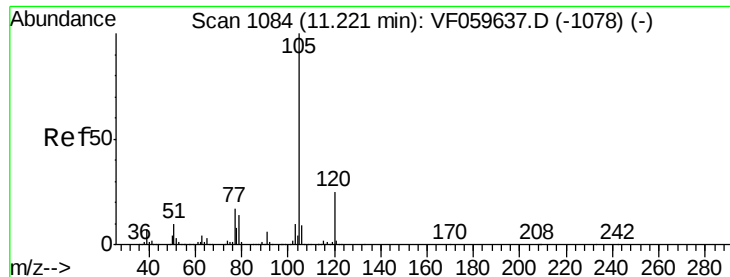
Tot Ion:173 Resp: 60628
Ion Ratio Lower Upper
173 100
175 44.0 21.6 65.0
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. 0.01 min
Lab File: VF059656.D
Acq: 25 Jul 2018 13:30

Tgt Ion:152 Resp: 177706
Ion Ratio Lower Upper
152 100
115 61.8 32.0 96.2
150 153.2 0.0 313.2





#73

Isopropylbenzene

Concen: 58.32 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VF059656.D

Acq: 25 Jul 2018 13:30

Instrument :

MSVOA_F

ClientSampleId :

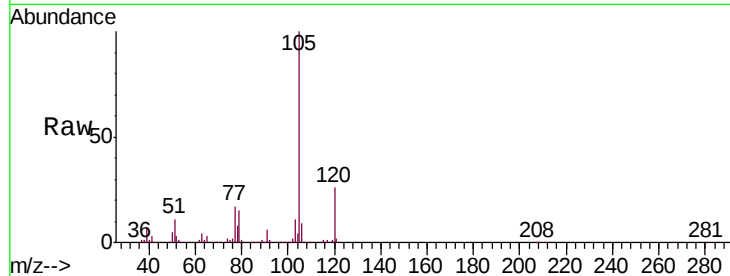
VSTDCCC050

Tot Ion:105 Resp: 651328

Ion Ratio Lower Upper

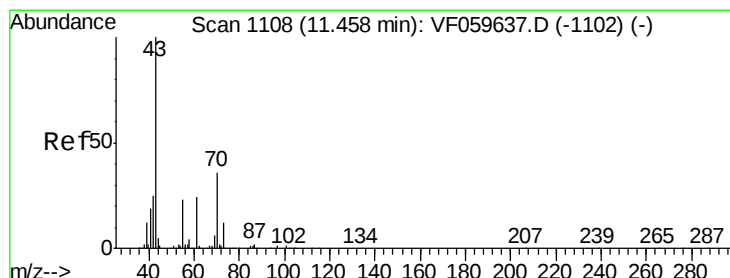
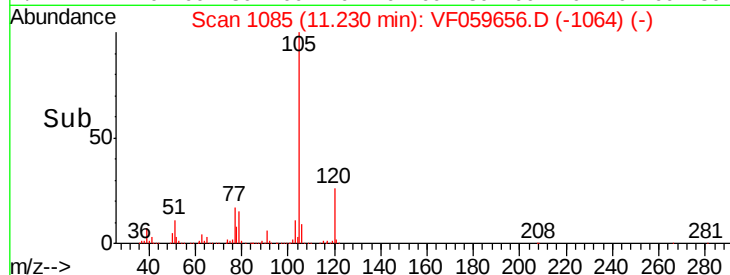
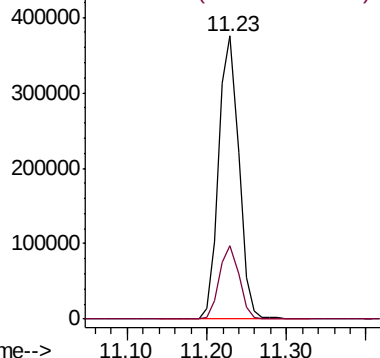
105 100

120 26.1 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 44.47 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VF059656.D

Acq: 25 Jul 2018 13:30

Tgt Ion: 43 Resp: 106495

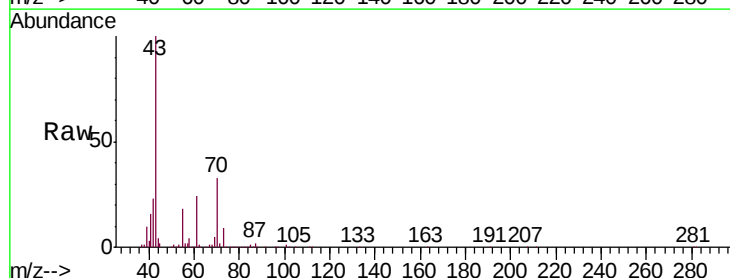
Ion Ratio Lower Upper

43 100

70 33.3 29.4 44.0

55 18.4 18.2 27.4

61 23.6 18.9 28.3

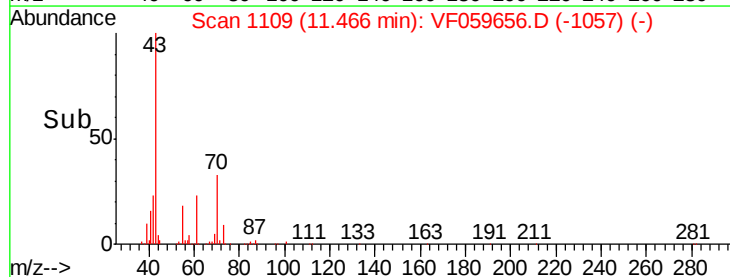
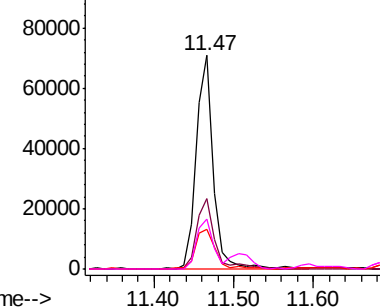


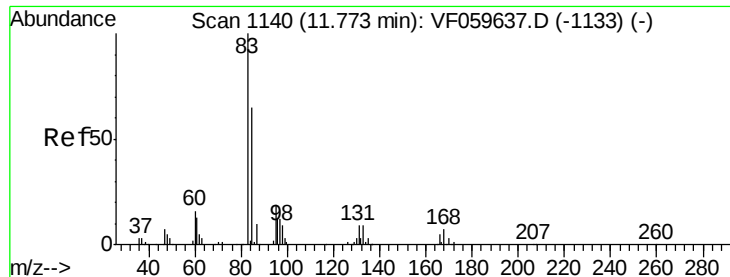
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 47.85 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF059656.D

Acq: 25 Jul 2018 13:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

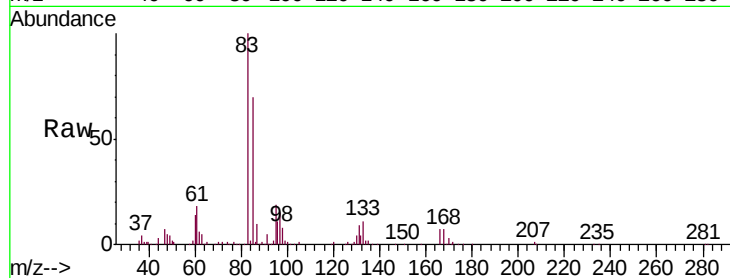
Tot Ion: 83 Resp: 80928

Ion Ratio Lower Upper

83 100

131 8.9 4.5 13.5

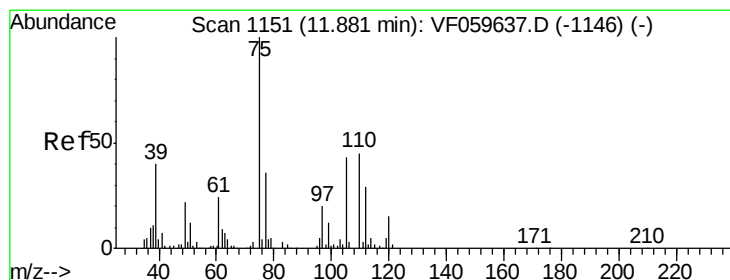
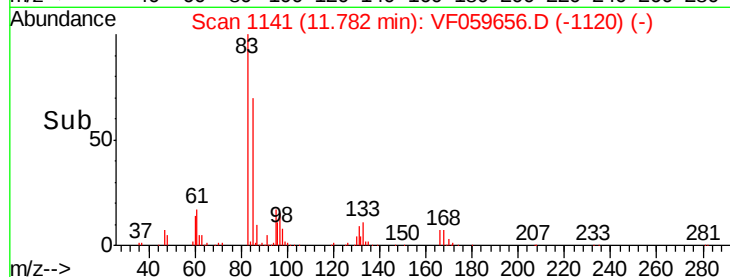
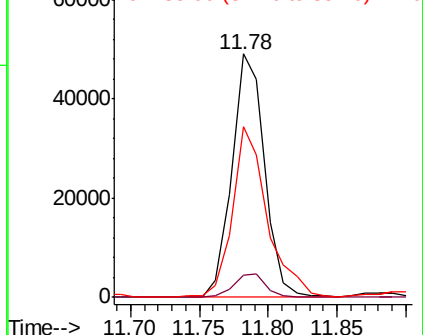
85 70.2 32.6 97.7



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 45.19 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VF059656.D

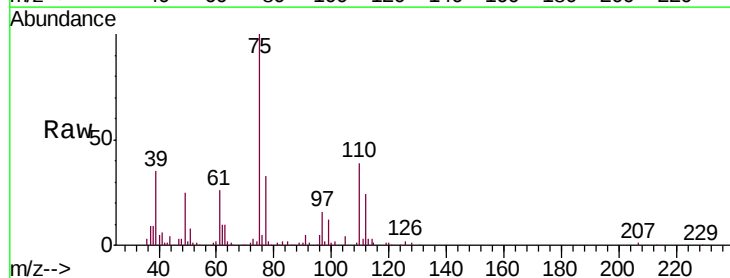
Acq: 25 Jul 2018 13:30

Tgt Ion: 75 Resp: 63131

Ion Ratio Lower Upper

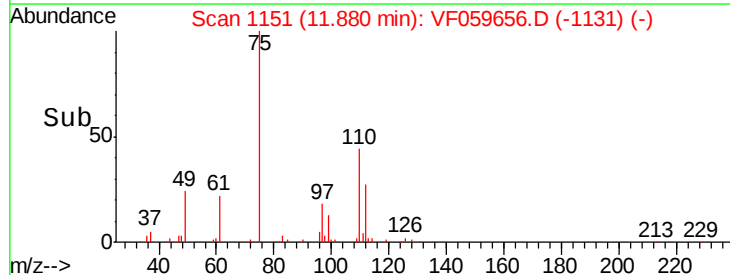
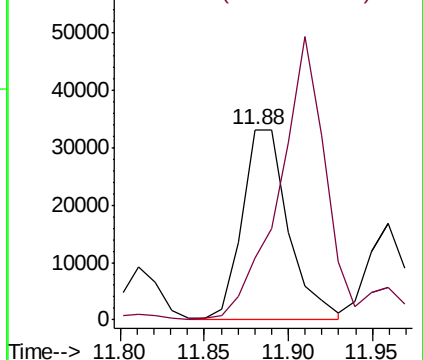
75 100

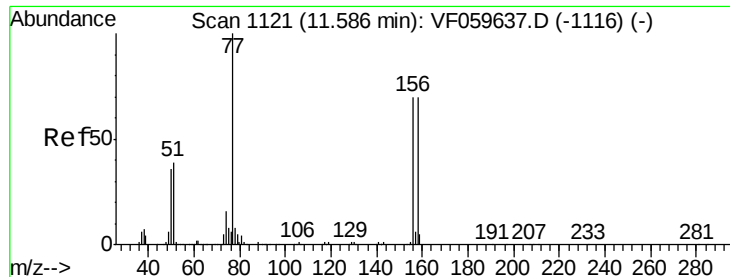
77 32.8 18.4 55.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 49.85 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF059656.D

Acq: 25 Jul 2018 13:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

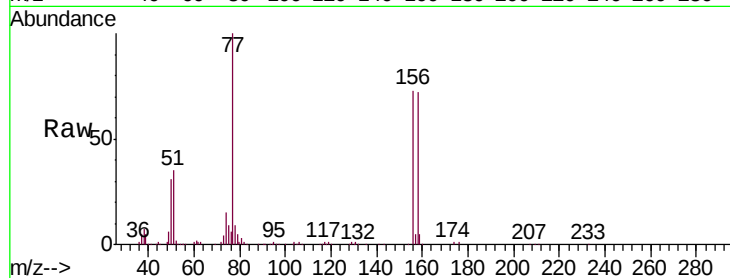
Tot Ion:156 Resp: 136216

Ion Ratio Lower Upper

156 100

77 137.8 71.5 214.3

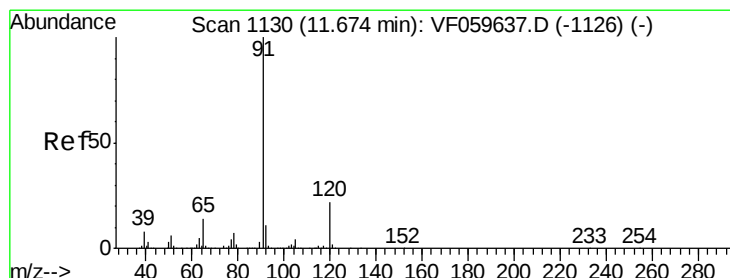
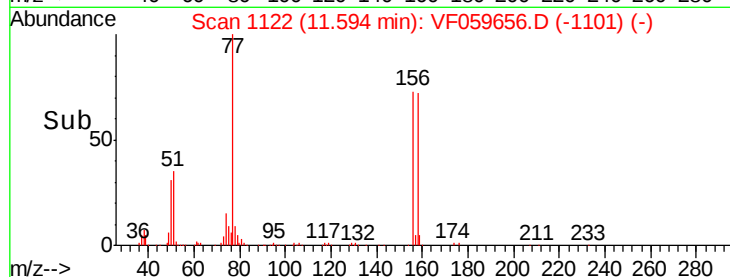
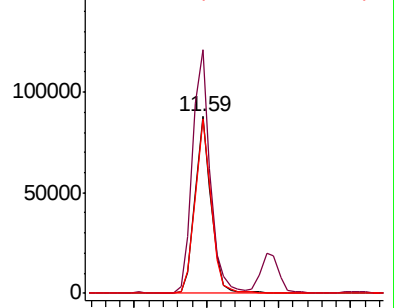
158 98.9 50.0 149.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 54.59 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. 0.01 min

Lab File: VF059656.D

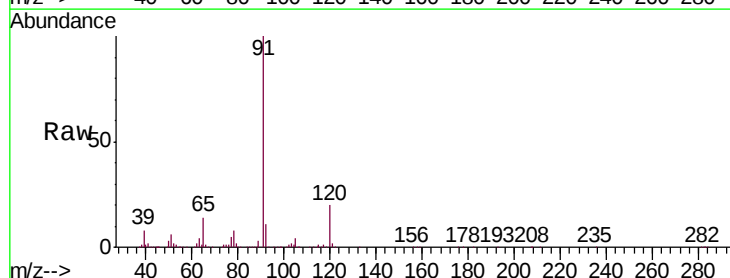
Acq: 25 Jul 2018 13:30

Tgt Ion: 91 Resp: 725782

Ion Ratio Lower Upper

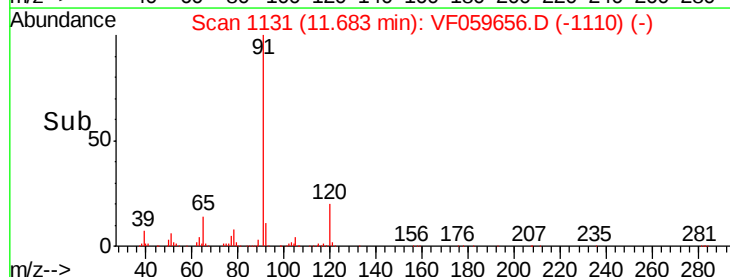
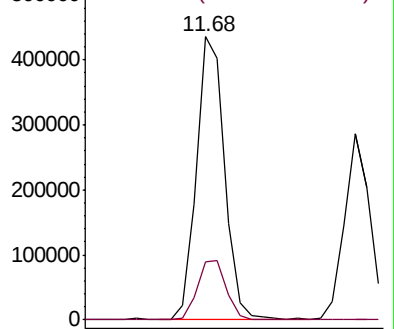
91 100

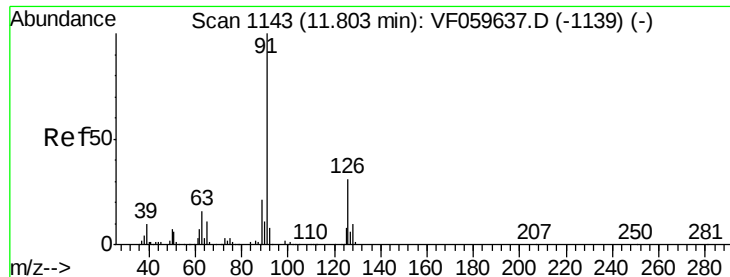
120 20.5 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.61 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VF059656.D

Acq: 25 Jul 2018 13:30

Instrument :

MSVOA_F

ClientSampleId :

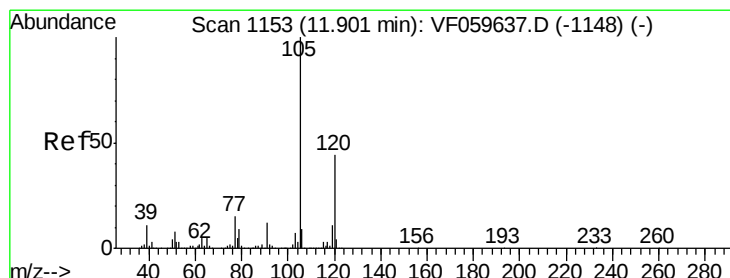
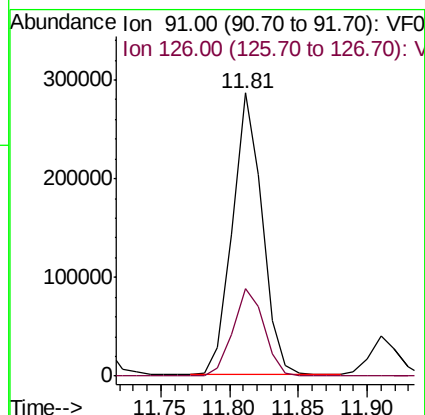
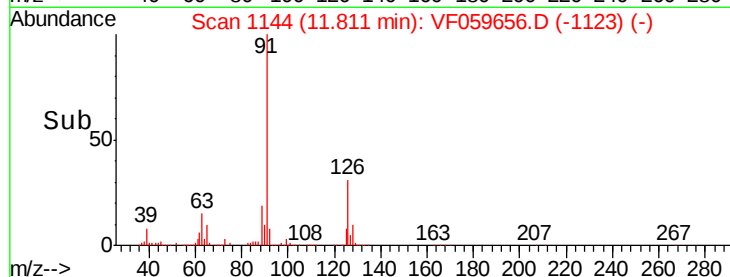
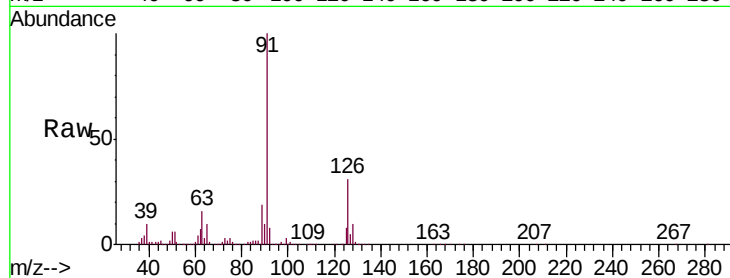
VSTDCCC050

Tot Ion: 91 Resp: 428982

Ion Ratio Lower Upper

91 100

126 30.8 15.4 46.4



#80

1,3,5-Trimethylbenzene

Concen: 55.67 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.01 min

Lab File: VF059656.D

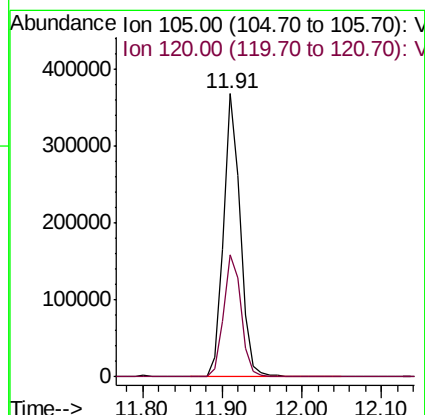
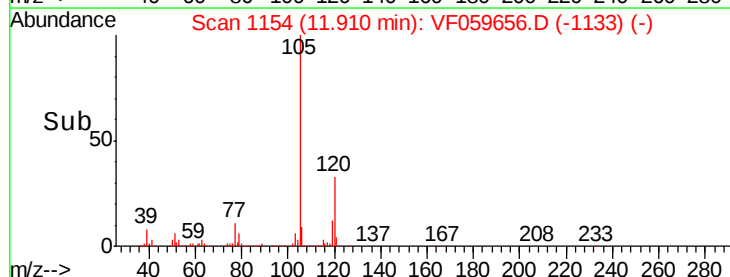
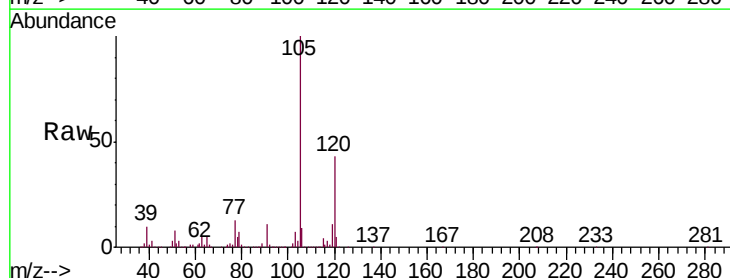
Acq: 25 Jul 2018 13:30

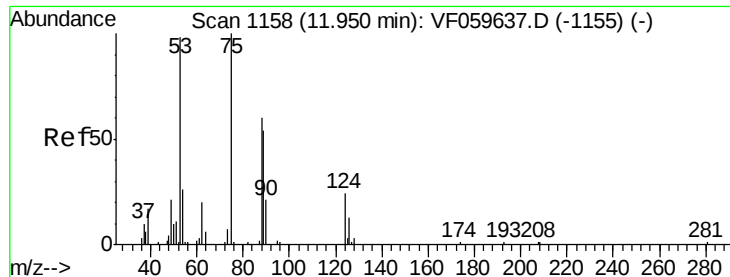
Tgt Ion:105 Resp: 552353

Ion Ratio Lower Upper

105 100

120 43.1 21.8 65.4





#81

trans-1,4-Dichloro-2-butene

Concen: 47.78 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. 0.01 min

Lab File: VF059656.D

Acq: 25 Jul 2018 13:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

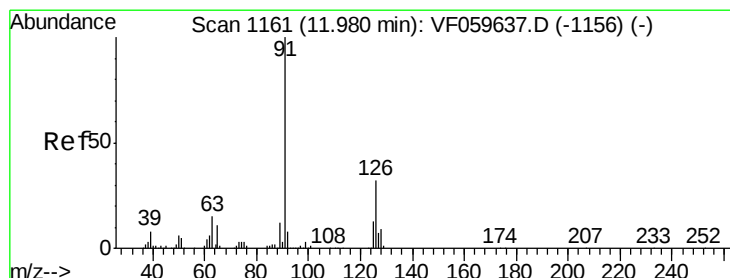
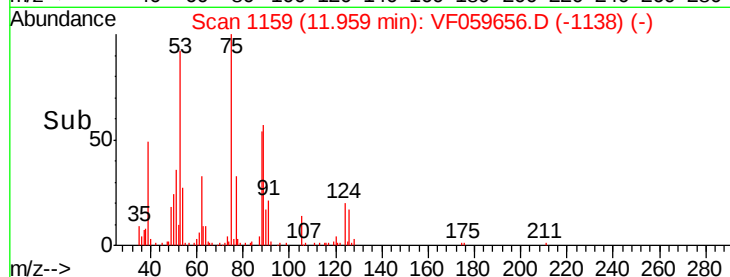
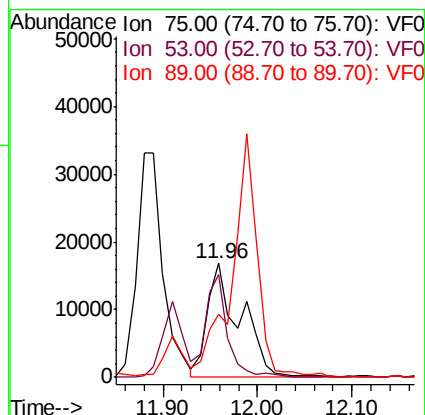
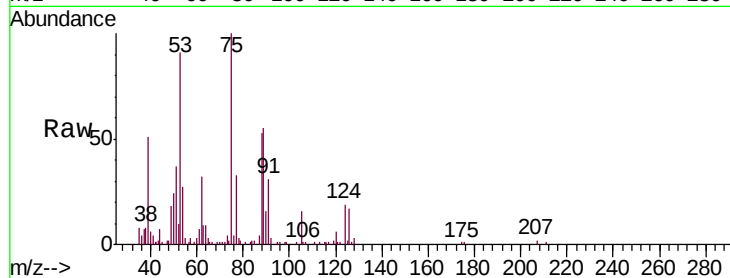
Tot Ion: 75 Resp: 41089

Ion Ratio Lower Upper

75 100

53 90.5 82.3 123.5

89 55.5 48.2 72.2



#82

4-Chlorotoluene

Concen: 49.59 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VF059656.D

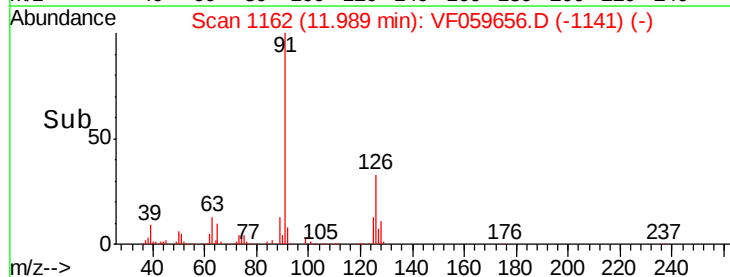
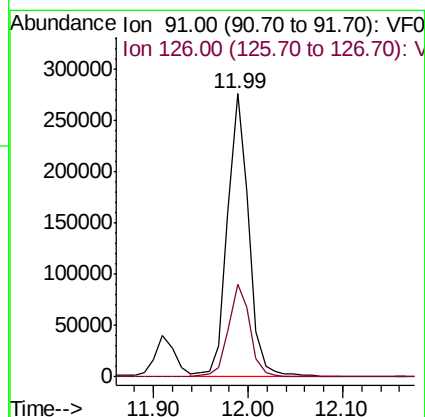
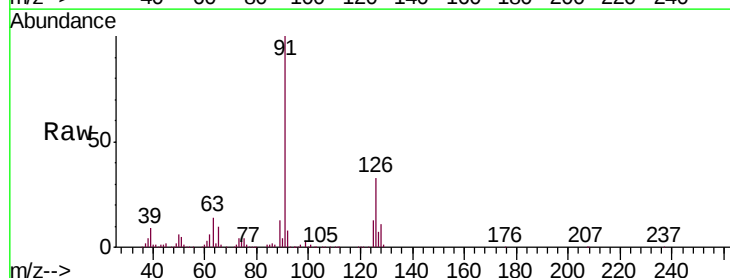
Acq: 25 Jul 2018 13:30

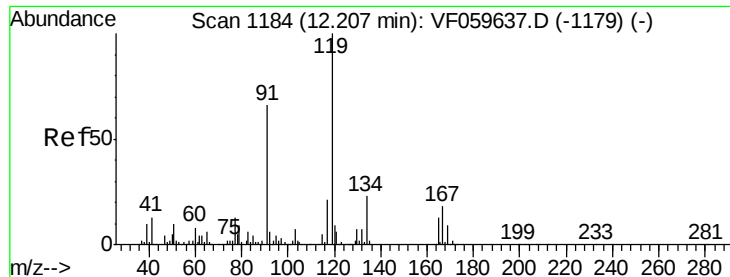
Tgt Ion: 91 Resp: 423367

Ion Ratio Lower Upper

91 100

126 32.6 16.1 48.2

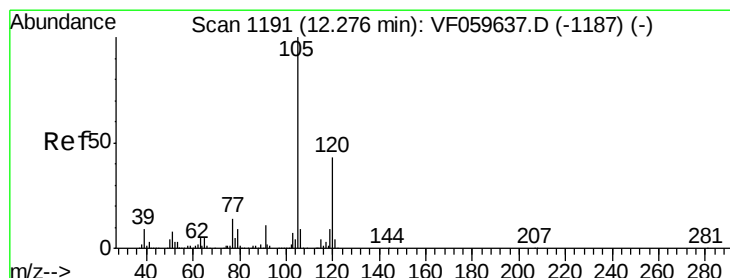
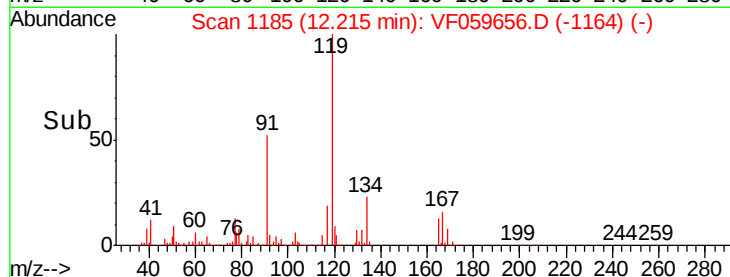
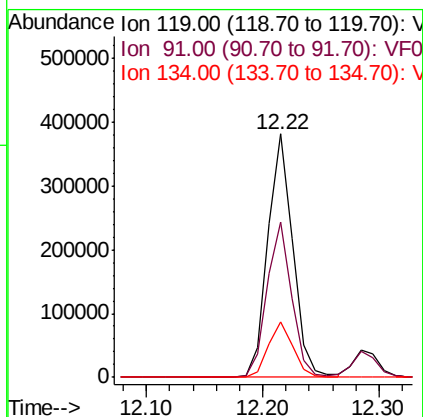
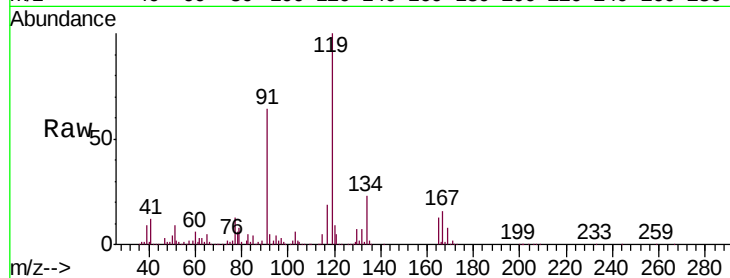




#83
 tert-Butylbenzene
 Concen: 56.68 ug/l
 RT: 12.22 min Scan# 1185
 Delta R.T. 0.01 min
 Lab File: VF059656.D
 Acq: 25 Jul 2018 13:30

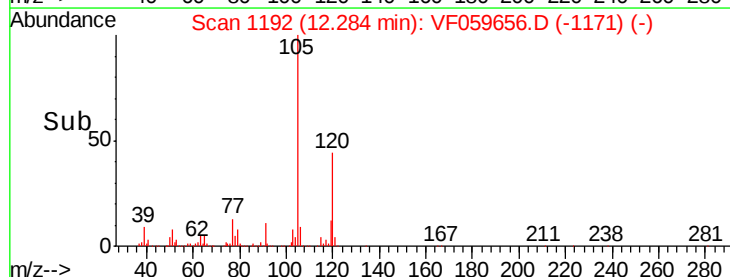
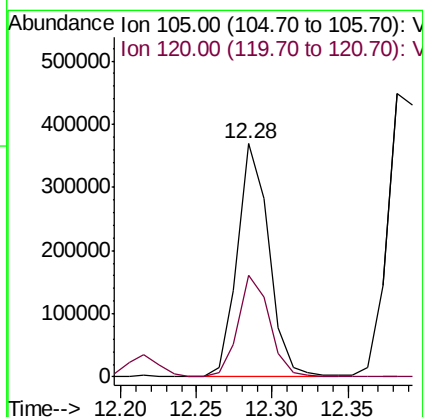
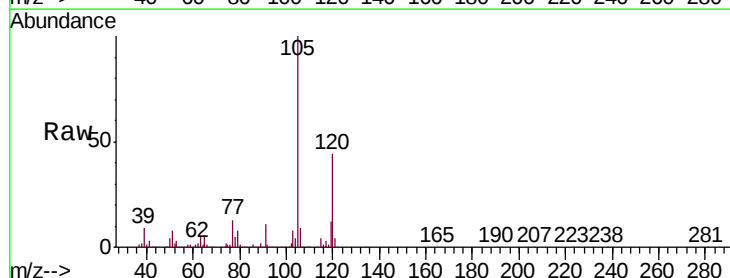
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

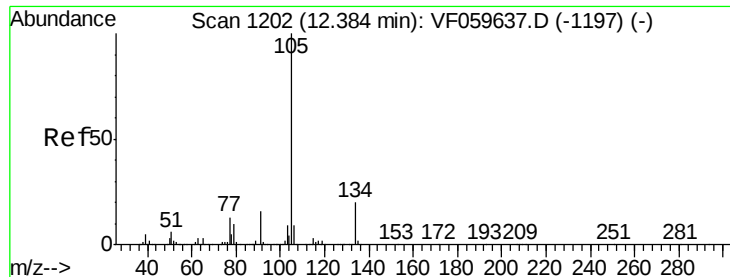
Tot Ion:119 Resp: 566987
 Ion Ratio Lower Upper
 119 100
 91 63.8 33.2 99.6
 134 22.9 11.5 34.4



#84
 1,2,4-Trimethylbenzene
 Concen: 52.70 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. 0.01 min
 Lab File: VF059656.D
 Acq: 25 Jul 2018 13:30

Tgt Ion:105 Resp: 536657
 Ion Ratio Lower Upper
 105 100
 120 43.6 21.4 64.2





#85

sec-Butylbenzene

Concen: 54.40 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF059656.D

Acq: 25 Jul 2018 13:30

Instrument :

MSVOA_F

ClientSampleId :

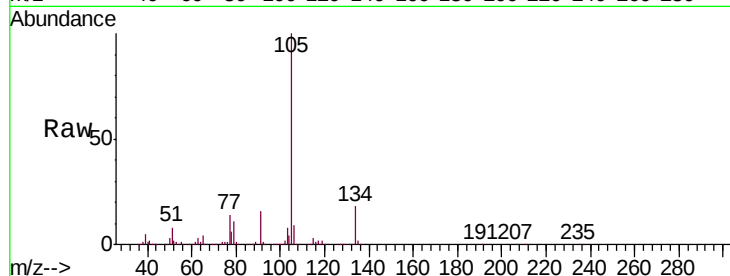
VSTDCCC050

Tot Ion:105 Resp: 725554

Ion Ratio Lower Upper

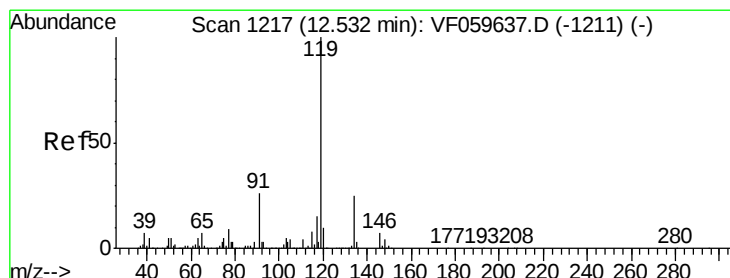
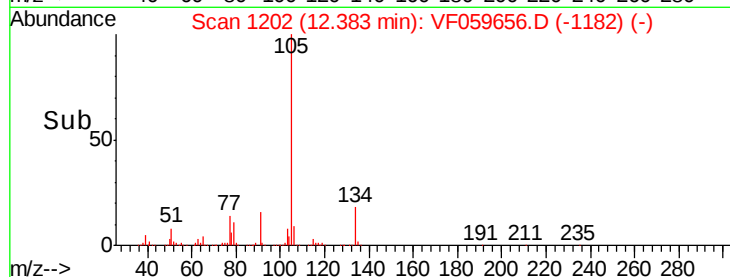
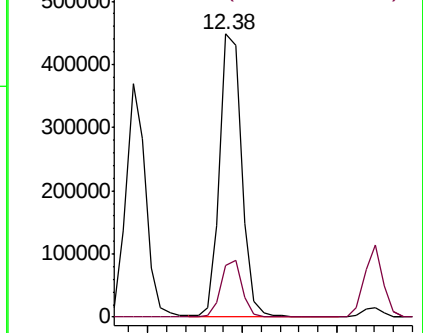
105 100

134 18.2 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.99 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VF059656.D

Acq: 25 Jul 2018 13:30

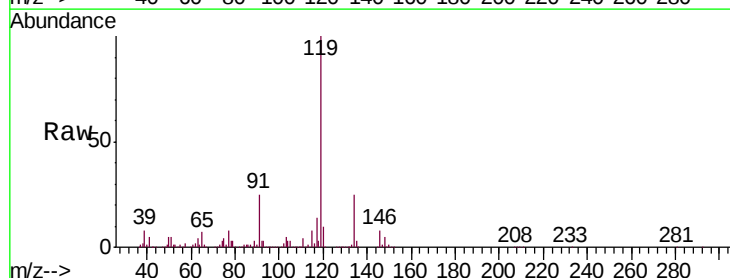
Tgt Ion:119 Resp: 638458

Ion Ratio Lower Upper

119 100

134 25.4 12.4 37.0

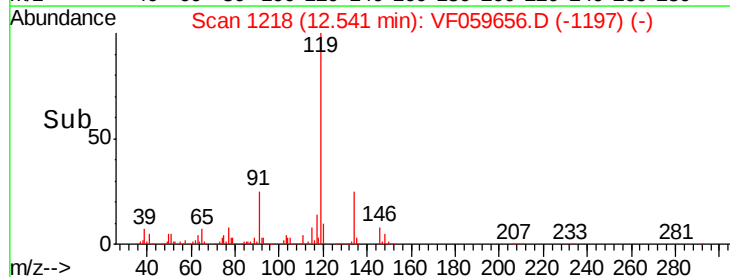
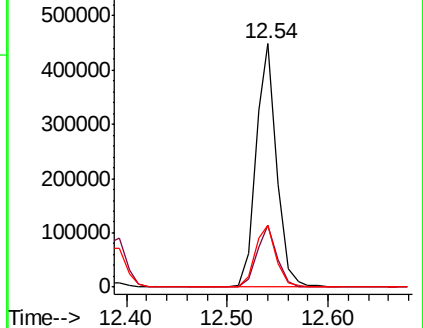
91 25.4 13.1 39.1

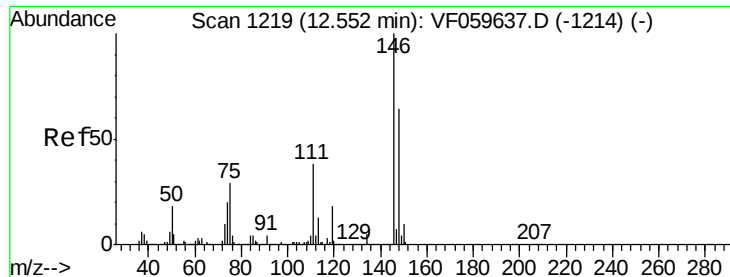


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

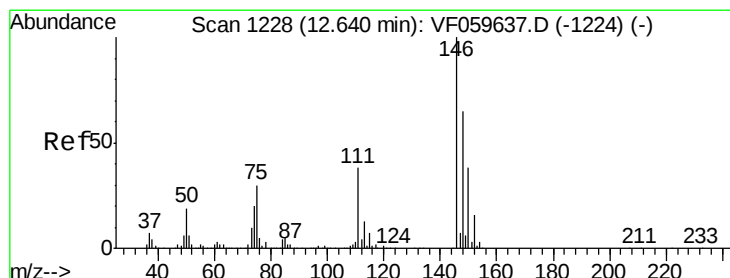
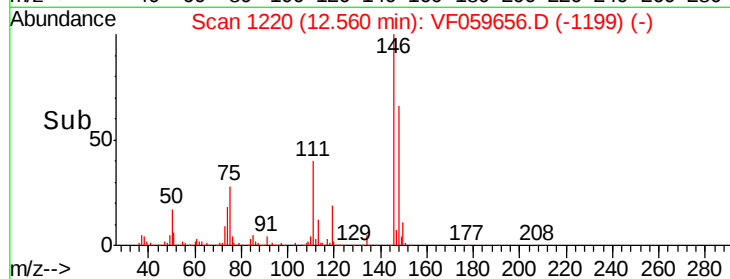
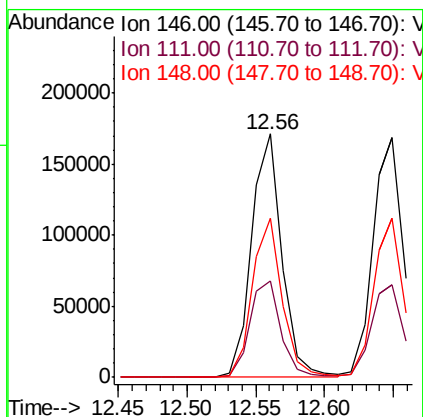
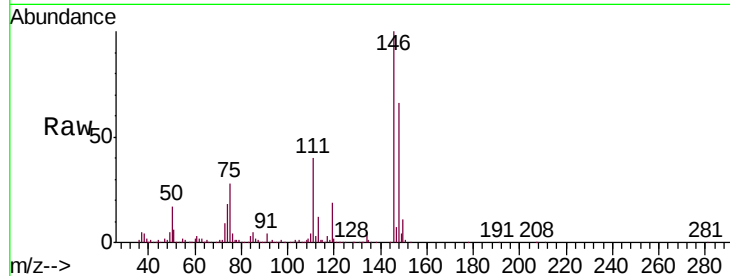




#87
 1,3-Dichlorobenzene
 Concen: 55.75 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VF059656.D
 Acq: 25 Jul 2018 13:30

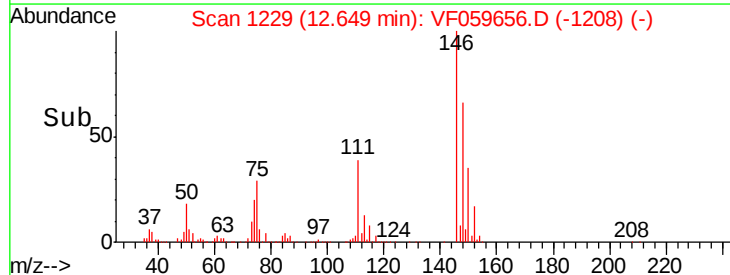
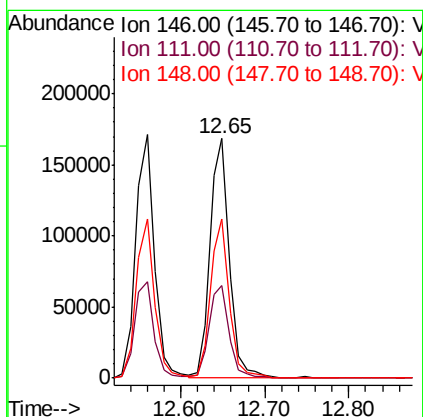
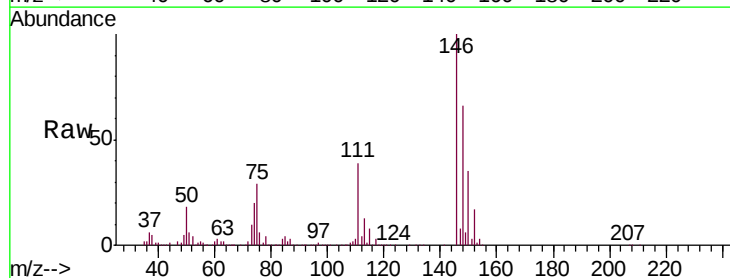
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

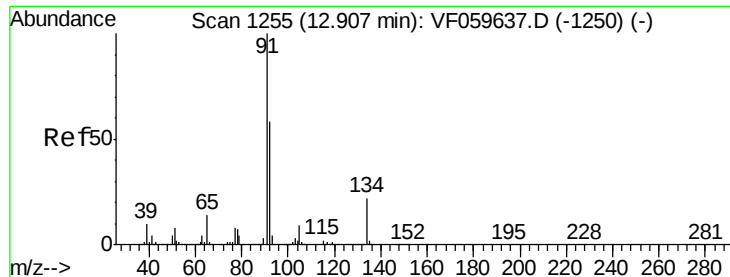
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.1	57.1
148	65.6	31.9	95.9



#88
 1,4-Dichlorobenzene
 Concen: 50.48 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VF059656.D
 Acq: 25 Jul 2018 13:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.1
148	66.2	32.4	97.2





#89

n-Butylbenzene

Concen: 60.84 ug/l

RT: 12.92 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VF059656.D

Acq: 25 Jul 2018 13:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

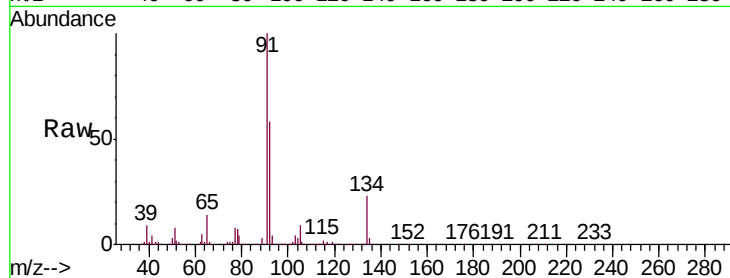
Tot Ion: 91 Resp: 600434

Ion Ratio Lower Upper

91 100

92 57.9 29.1 87.3

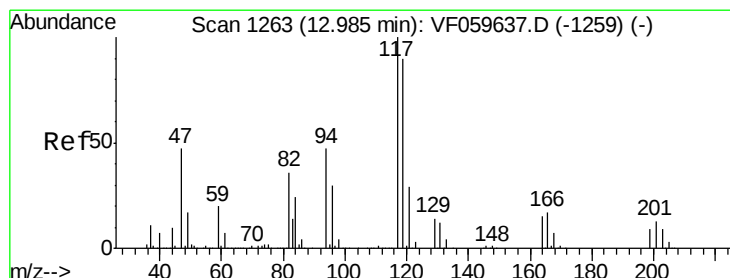
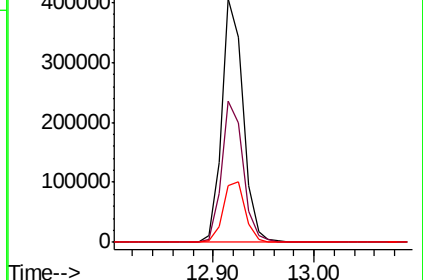
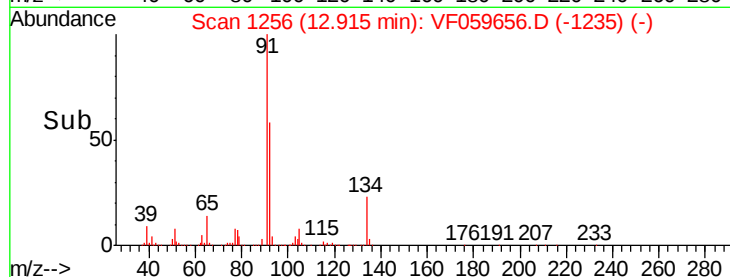
134 23.3 11.2 33.6



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: 53.97 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.01 min

Lab File: VF059656.D

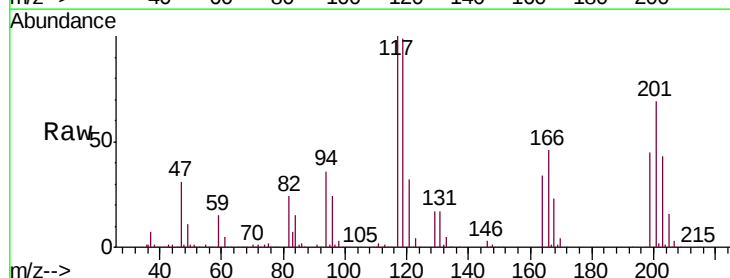
Acq: 25 Jul 2018 13:30

Tgt Ion: 117 Resp: 152868

Ion Ratio Lower Upper

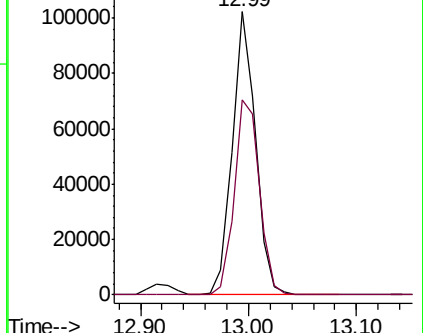
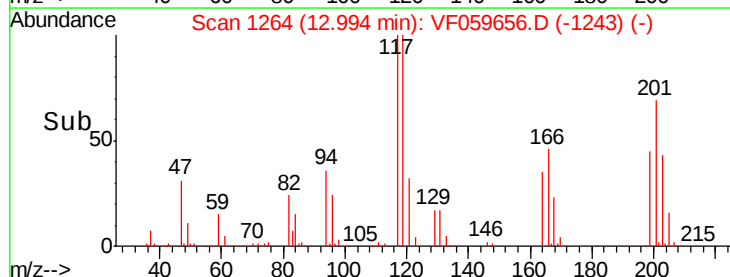
117 100

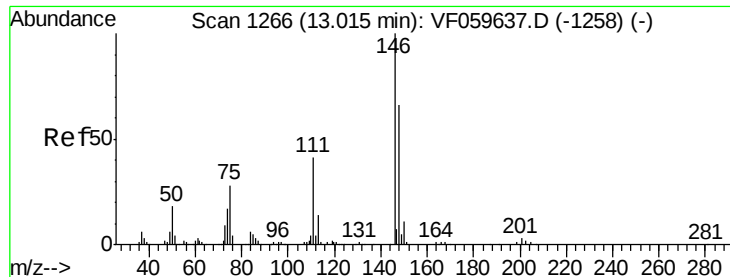
201 69.0 6.6 19.7#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 47.76 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.01 min

Lab File: VF059656.D

Acq: 25 Jul 2018 13:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

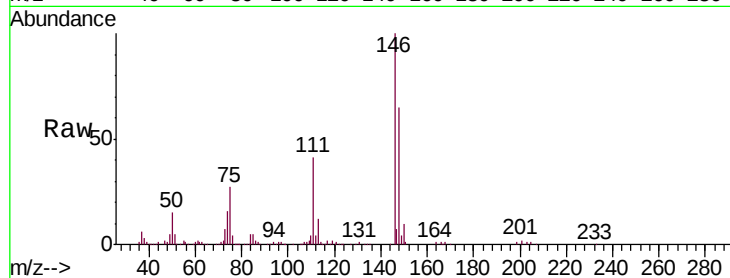
Tot Ion:146 Resp: 243836

Ion Ratio Lower Upper

146 100

111 41.0 20.3 61.0

148 65.5 32.9 98.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

13.02

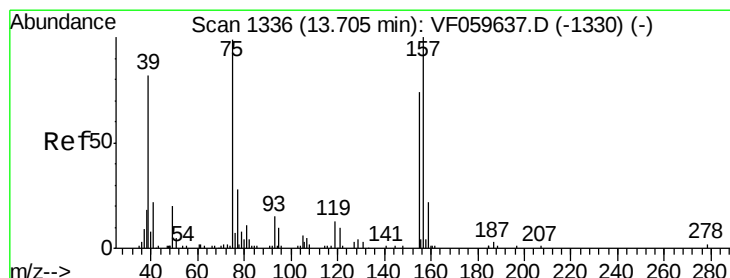
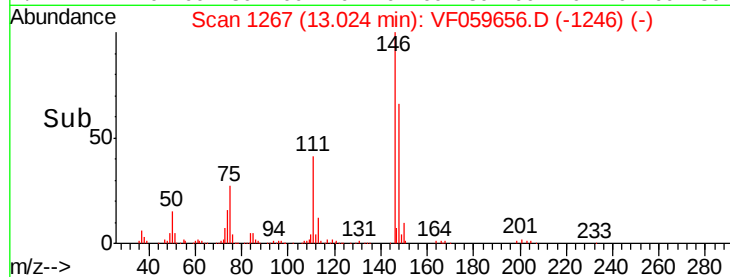
150000

100000

50000

0

Time--> 12.90 13.00 13.10 13.20



#92

1,2-Dibromo-3-Chloropropane

Concen: 37.65 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. 0.01 min

Lab File: VF059656.D

Acq: 25 Jul 2018 13:30

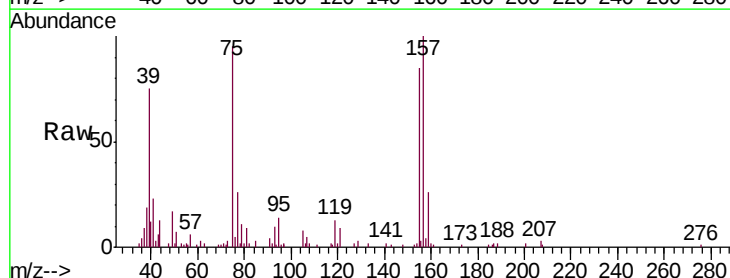
Tgt Ion: 75 Resp: 16421

Ion Ratio Lower Upper

75 100

155 89.7 37.5 112.7

157 105.2 50.6 151.9



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

13.71

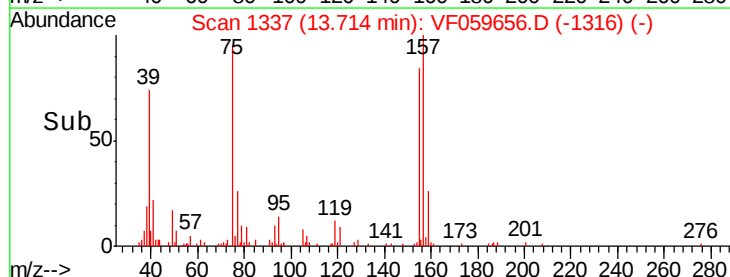
15000

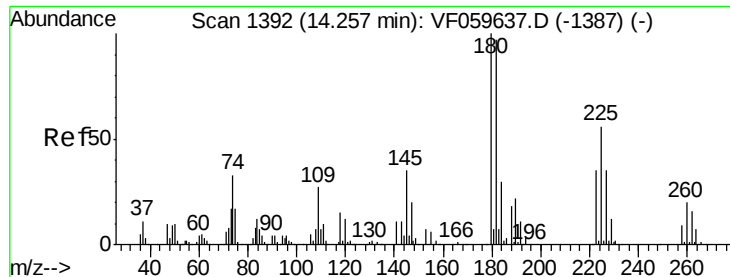
10000

5000

0

Time--> 13.70 13.80

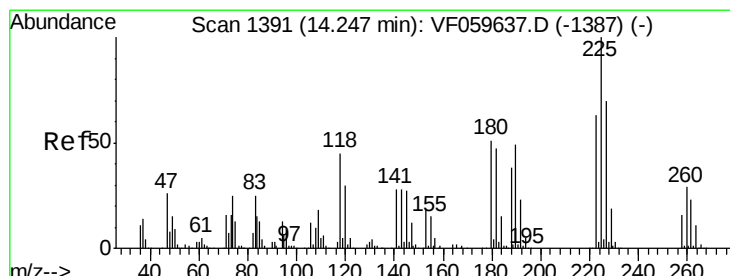
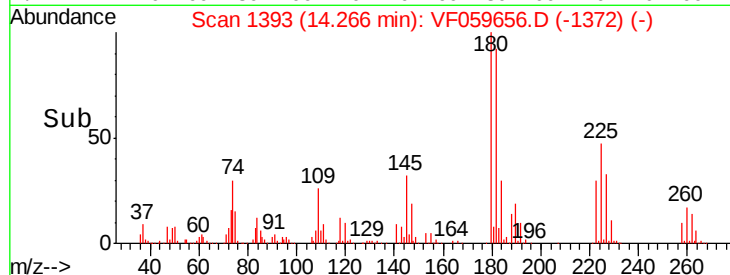
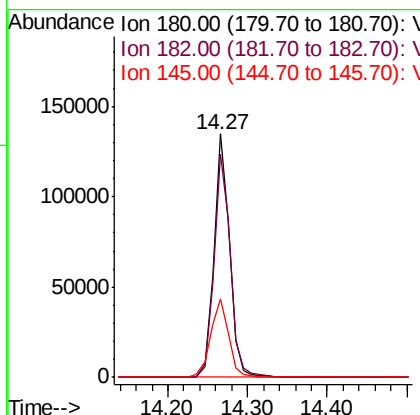
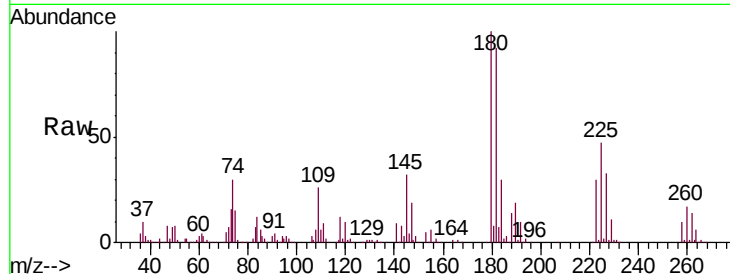




#93
 1,2,4-Trichlorobenzene
 Concen: 51.64 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VF059656.D
 Acq: 25 Jul 2018 13:30

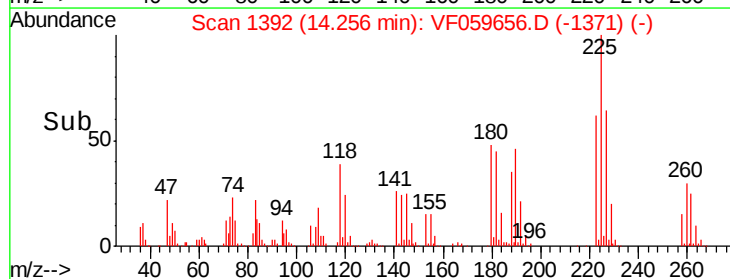
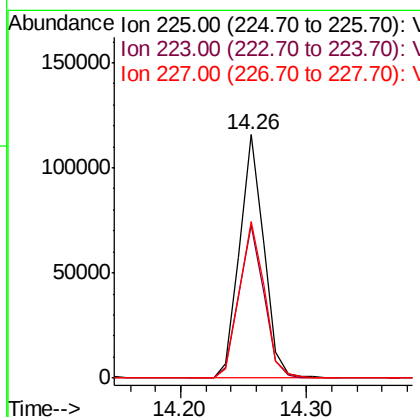
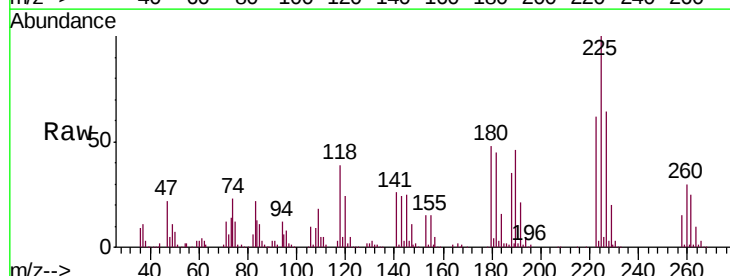
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

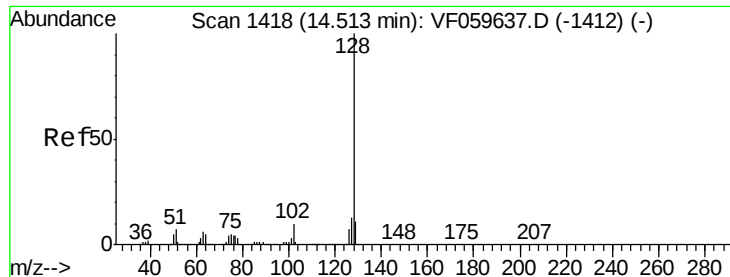
Tot Ion:180 Resp: 187153
 Ion Ratio Lower Upper
 180 100
 182 91.8 48.5 145.6
 145 32.3 17.4 52.2



#94
 Hexachlorobutadiene
 Concen: 52.20 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VF059656.D
 Acq: 25 Jul 2018 13:30

Tgt Ion:225 Resp: 153975
 Ion Ratio Lower Upper
 225 100
 223 62.5 33.3 99.8
 227 64.3 34.8 104.4





#95

Naphthalene

Concen: 40.67 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. 0.01 min

Lab File: VF059656.D

Acq: 25 Jul 2018 13:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

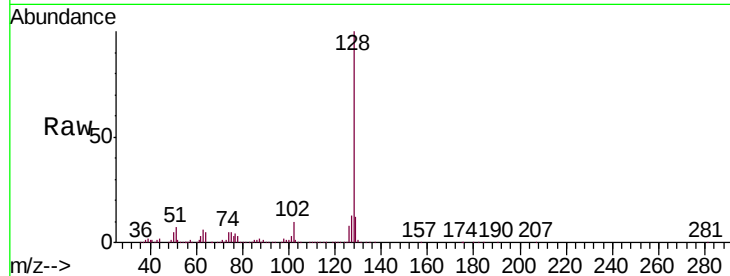
Tot Ion:128 Resp: 257274

Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

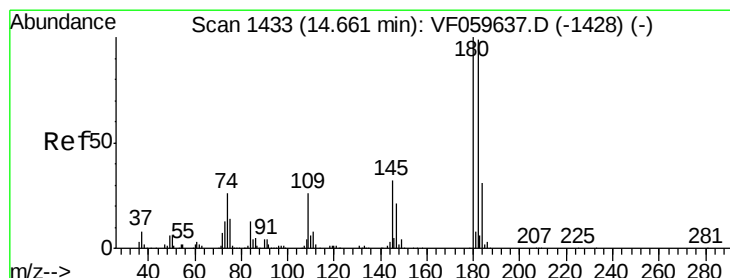
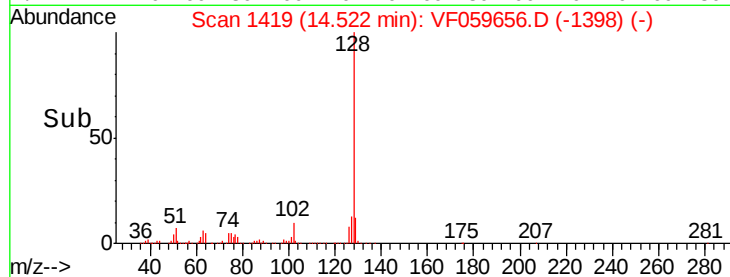
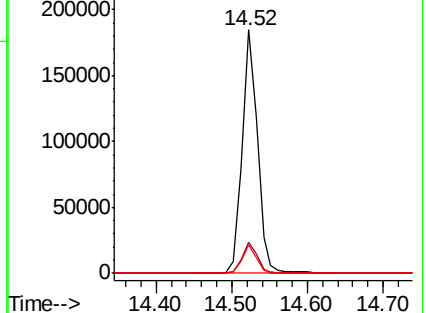
129 12.0 9.1 13.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 46.54 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VF059656.D

Acq: 25 Jul 2018 13:30

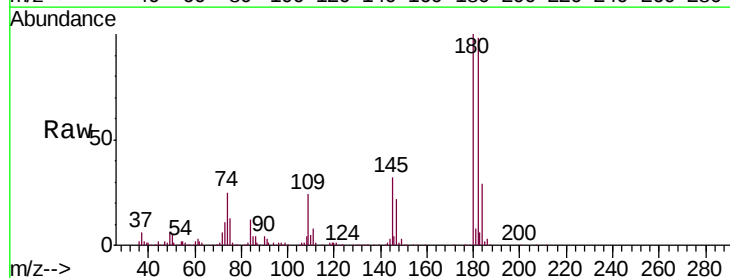
Tgt Ion:180 Resp: 167859

Ion Ratio Lower Upper

180 100

182 98.0 49.5 148.5

145 31.7 16.0 48.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

