

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF043019\
 Data File : VF062331.D
 Acq On : 30 Apr 2019 13:23
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: May 01 07:47:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 08:40:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	347459	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.77	114	476738	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.90	117	381912	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	219462	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	143423	50.96	ug/l	-0.01
Spiked Amount			Recovery	=	101.92%	
35) Dibromofluoromethane	4.31	113	175971	49.78	ug/l	-0.01
Spiked Amount			Recovery	=	99.56%	
50) Toluene-d8	7.71	98	426012	49.34	ug/l	-0.01
Spiked Amount			Recovery	=	98.68%	
62) 4-Bromofluorobenzene	11.49	95	183071	51.44	ug/l	-0.01
Spiked Amount			Recovery	=	102.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	195452	47.335	ug/l	94
3) Chloromethane	1.15	50	141370	40.641	ug/l	98
4) Vinyl Chloride	1.19	62	136821	41.531	ug/l	98
5) Bromomethane	1.40	94	112234	50.165	ug/l	95
6) Chloroethane	1.44	64	73076	50.600	ug/l	94
7) Trichlorofluoromethane	1.56	101	289096	55.224	ug/l	85
8) Diethyl Ether	1.70	74	40206	42.394	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.90	101	169648	51.639	ug/l	98
10) Methyl Iodide	1.98	142	279008	48.586	ug/l	96
11) Tert butyl alcohol	2.69	59	42733	251.001	ug/l	96
12) 1,1-Dichloroethene	1.86	96	135552	46.242	ug/l	91
13) Acrolein	2.10	56	39596	248.132	ug/l	99
14) Allyl chloride	2.20	41	163248	51.172	ug/l	# 21
15) Acrylonitrile	3.08	53	96142	203.890	ug/l	93
16) Acetone	2.34	43	193394	306.903	ug/l	93
17) Carbon Disulfide	1.92	76	332884	43.149	ug/l	98
18) Methyl Acetate	2.45	43	60188	51.453	ug/l	98
19) Methyl tert-butyl Ether	2.54	73	280922	50.269	ug/l	97
20) Methylene Chloride	2.33	84	131361m	48.686	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	131353	45.343	ug/l	94
22) Diisopropyl ether	2.94	45	405051	47.164	ug/l	98
23) Vinyl Acetate	3.34	43	895231	235.069	ug/l	98
24) 1,1-Dichloroethane	3.00	63	250480	51.100	ug/l	99
25) 2-Butanone	4.51	43	227659	227.848	ug/l	99
26) 2,2-Dichloropropane	3.77	77	133932	52.615	ug/l	98
27) cis-1,2-Dichloroethene	3.65	96	169272	46.142	ug/l	97
28) Bromochloromethane	3.90	49	88014	42.609	ug/l	# 98
29) Tetrahydrofuran	4.26	42	93457	212.871	ug/l	96
30) Chloroform	4.05	83	309983	50.361	ug/l	99
31) Cyclohexane	3.87	56	195547	41.925	ug/l	99
32) 1,1,1-Trichloroethane	4.29	97	274537	56.809	ug/l	# 83
36) 1,1-Dichloropropene	4.46	75	213630	48.571	ug/l	98
37) Ethyl Acetate	4.30	43	83142	44.933	ug/l	# 48
38) Carbon Tetrachloride	4.18	117	243708m	54.505	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	223219	43.475	ug/l	98
40) Benzene	4.82	78	469163	44.150	ug/l	99
41) Methacrylonitrile	4.93	41	45124	43.897	ug/l #	89
42) 1,2-Dichloroethane	5.12	62	191744	56.956	ug/l	96
43) Isopropyl Acetate	7.11	43	89647	47.268	ug/l #	95
44) Trichloroethene	5.68	130	171259	47.634	ug/l	95
45) 1,2-Dichloropropane	6.41	63	110593	46.159	ug/l	94
46) Dibromomethane	6.26	93	90414	52.261	ug/l	99
47) Bromodichloromethane	6.54	83	227703	55.987	ug/l #	89
48) Methyl methacrylate	6.87	41	66706	49.206	ug/l	93
49) 1,4-Dioxane	6.86	88	12800	819.973	ug/l #	82
51) 4-Methyl-2-Pentanone	8.40	43	341222	234.045	ug/l	97
52) Toluene	7.78	92	299882	48.905	ug/l	100
53) t-1,3-Dichloropropene	8.43	75	160953	53.818	ug/l	94
54) cis-1,3-Dichloropropene	7.45	75	197940	51.664	ug/l	92
55) 1,1,2-Trichloroethane	8.63	97	90320	51.863	ug/l	99
56) Ethyl methacrylate	8.75	69	88210	46.105	ug/l #	93
57) 1,3-Dichloropropane	8.99	76	133347	48.699	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.45	63	128085	220.010	ug/l	98
59) 2-Hexanone	9.62	43	236469	266.659	ug/l	97
60) Dibromochloromethane	8.86	129	150208	53.143	ug/l	99
61) 1,2-Dibromoethane	9.13	107	103239	51.220	ug/l	96
64) Tetrachloroethene	8.30	164	163065	51.047	ug/l	95
65) Chlorobenzene	9.92	112	346138	49.597	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	170073	51.737	ug/l	99
67) Ethyl Benzene	10.02	91	602334	49.644	ug/l	97
68) m/p-Xylenes	10.26	106	456528	101.064	ug/l	96
69) o-Xylene	10.81	106	249496	49.437	ug/l	98
70) Styrene	10.89	104	363272	49.794	ug/l	97
71) Bromoform	10.87	173	95481	51.601	ug/l #	97
73) Isopropylbenzene	11.22	105	759366	50.502	ug/l	98
74) N-amyl acetate	11.44	43	143207	41.335	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.77	83	117956	49.377	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	86019	50.751	ug/l #	100
77) Bromobenzene	11.58	156	184417	49.061	ug/l	98
78) n-propylbenzene	11.67	91	787876	49.798	ug/l	100
79) 2-Chlorotoluene	11.80	91	487578	51.163	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	632026	49.791	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	34409m	45.417	ug/l	
82) 4-Chlorotoluene	11.96	91	476595	50.541	ug/l	98
83) tert-Butylbenzene	12.19	119	671482	51.545	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	610528	49.661	ug/l	98
85) sec-Butylbenzene	12.37	105	822279	50.678	ug/l	100
86) p-Isopropyltoluene	12.52	119	686522	47.194	ug/l	95
87) 1,3-Dichlorobenzene	12.54	146	380487	57.214	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	312462	49.555	ug/l	98
89) n-Butylbenzene	12.89	91	651802	49.313	ug/l	98
90) Hexachloroethane	12.97	117	192617	52.823	ug/l	97
91) 1,2-Dichlorobenzene	12.99	146	319677	50.078	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.68	75	25912	53.768	ug/l	98

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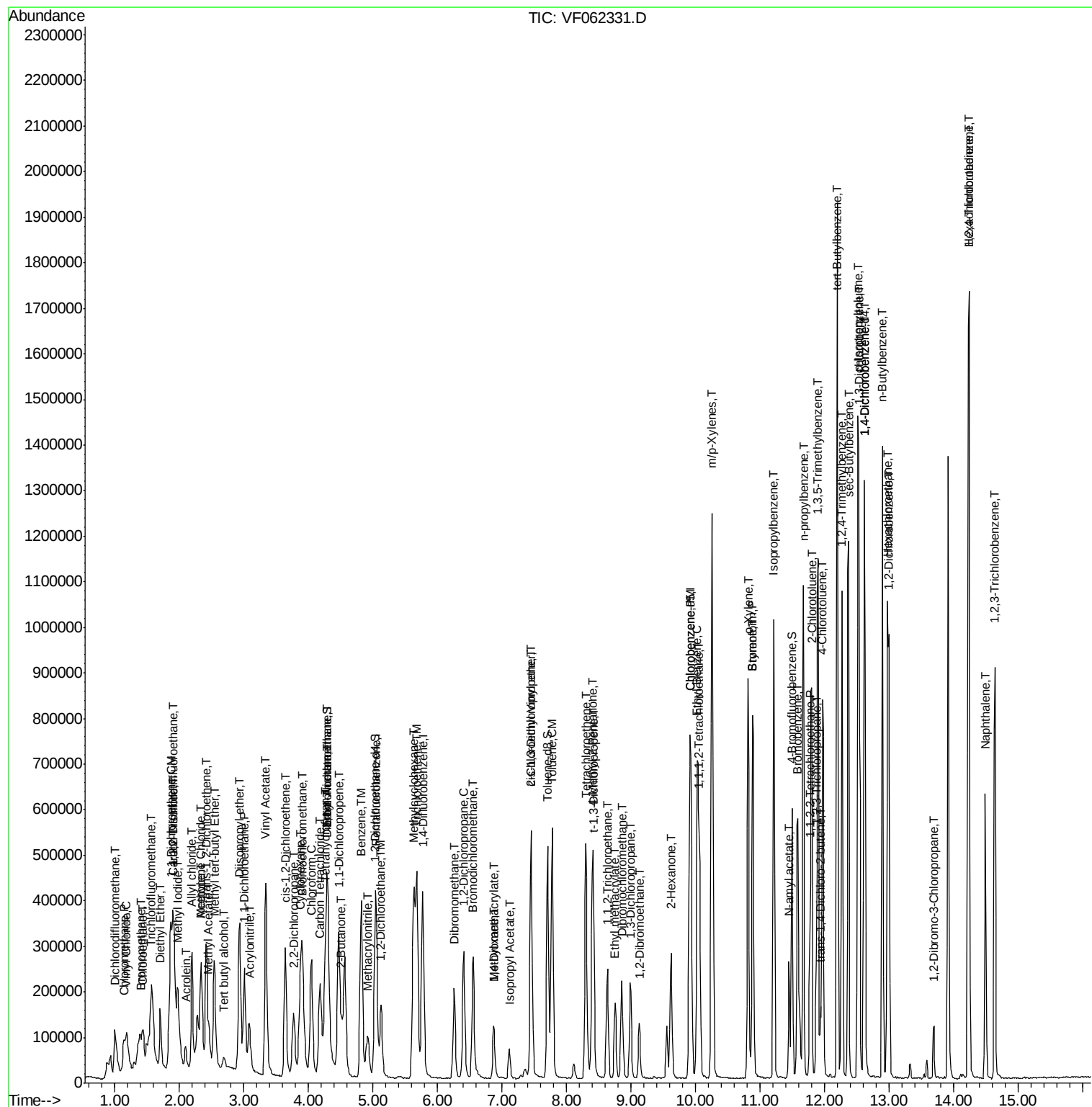
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	299499	53.405	ug/l	100
94) Hexachlorobutadiene	14.22	225	225971	56.028	ug/l	99
95) Naphthalene	14.49	128	430799	49.584	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	284286	53.599	ug/l	99

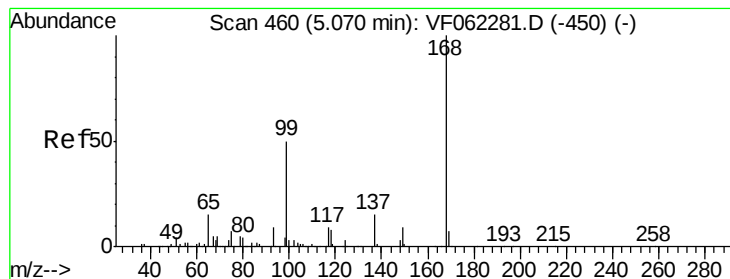
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.02 min

Lab File: VF062331.D

Acq: 30 Apr 2019 13:23

Instrument :

MSVOA_F

ClientSampleId :

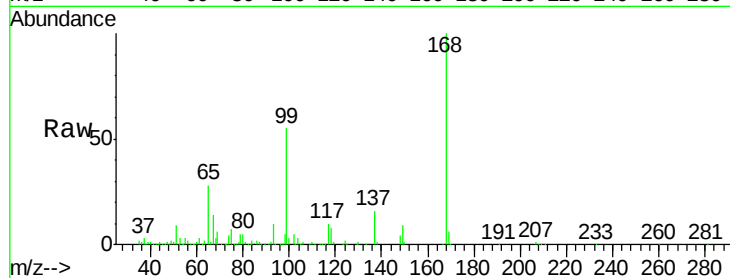
VSTDCCC050

Tot Ion:168 Resp: 347459

Ion Ratio Lower Upper

168 100

99 55.1 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

5.04

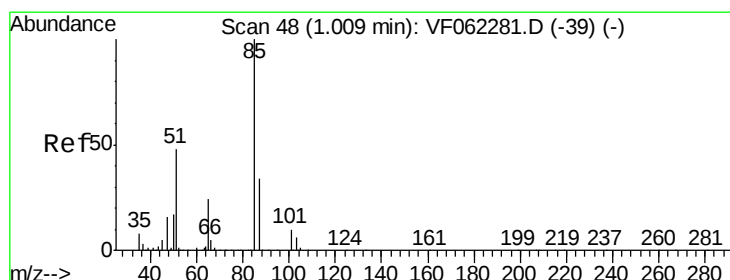
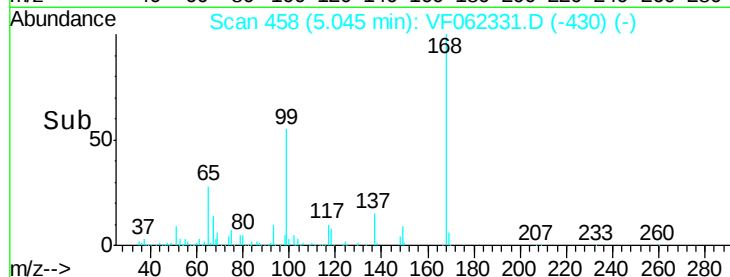
100000

50000

0

Time-->

5.00 5.20



#2

Dichlorodifluoromethane

Concen: 47.335 ug/l

RT: 1.00 min Scan# 48

Delta R.T. -0.01 min

Lab File: VF062331.D

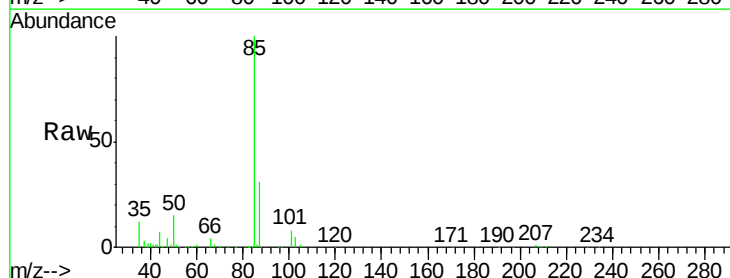
Acq: 30 Apr 2019 13:23

Tgt Ion: 85 Resp: 195452

Ion Ratio Lower Upper

85 100

87 30.8 17.1 51.3



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.00

60000

50000

40000

30000

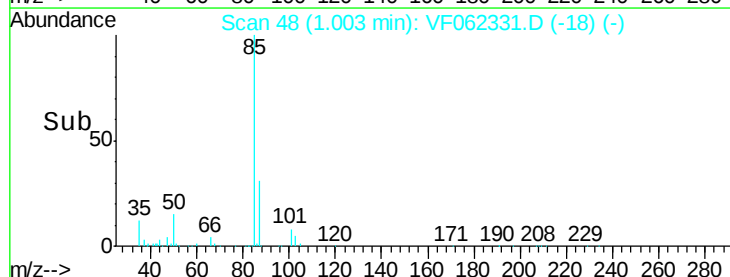
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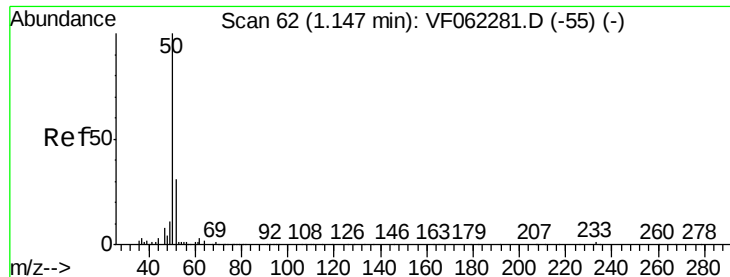
10000

0

Time-->

0.80 1.00 1.20





#3

Chloromethane

Concen: 40.641 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF062331.D

Acq: 30 Apr 2019 13:23

Instrument :

MSVOA_F

ClientSampleId :

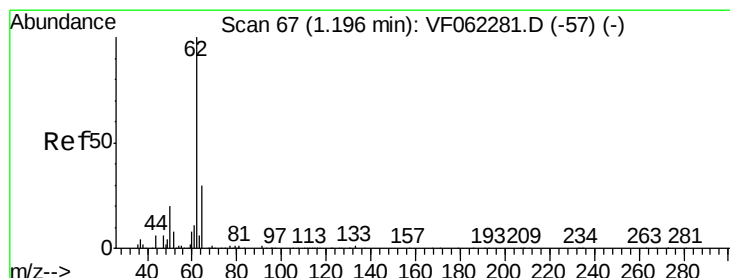
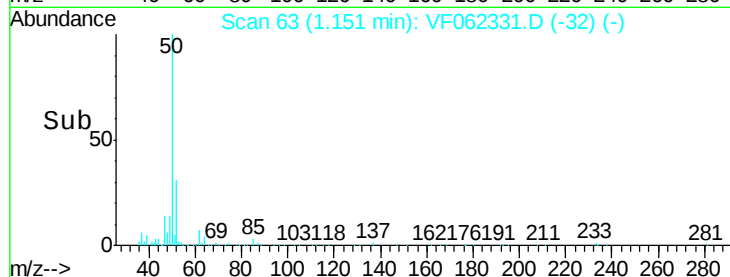
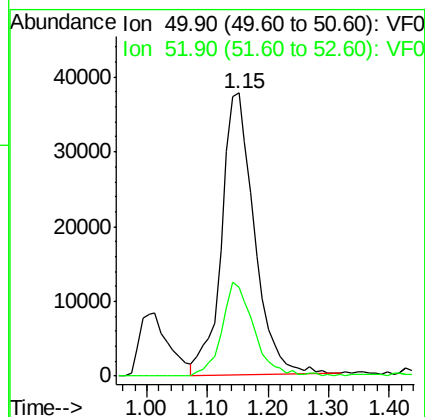
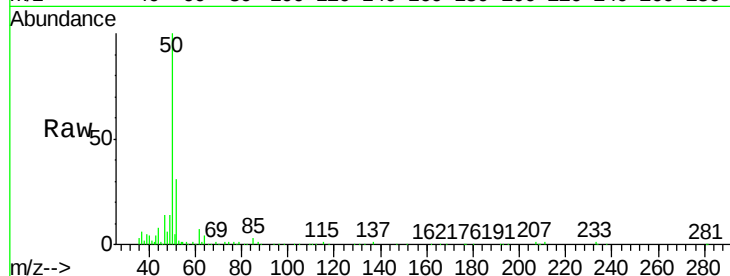
VSTDCCC050

Tot Ion: 50 Resp: 141370

Ion Ratio Lower Upper

50 100

52 31.5 24.2 36.4



#4

Vinyl Chloride

Concen: 41.531 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.01 min

Lab File: VF062331.D

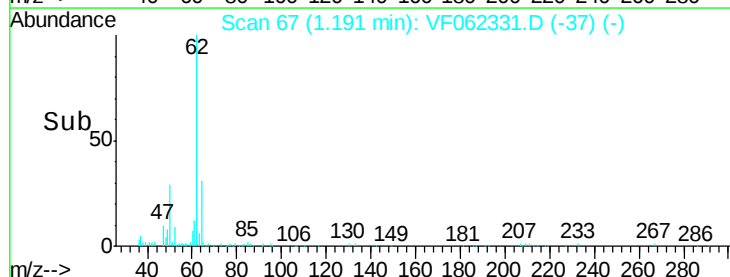
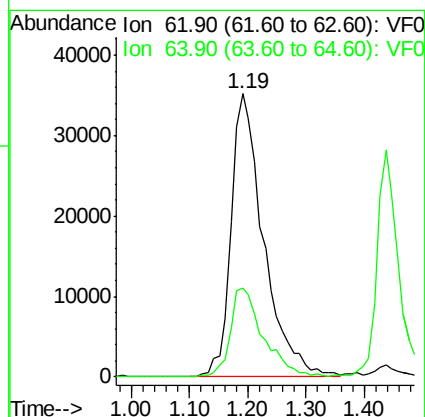
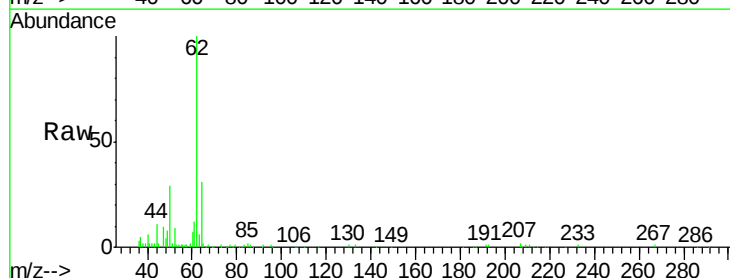
Acq: 30 Apr 2019 13:23

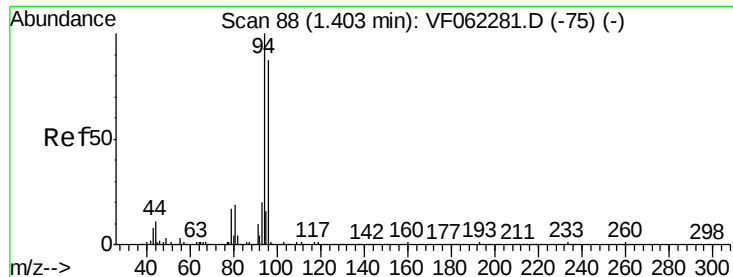
Tgt Ion: 62 Resp: 136821

Ion Ratio Lower Upper

62 100

64 31.4 24.3 36.5





#5

Bromomethane

Concen: 50.165 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF062331.D

Acq: 30 Apr 2019 13:23

Instrument :

MSVOA_F

ClientSampleId :

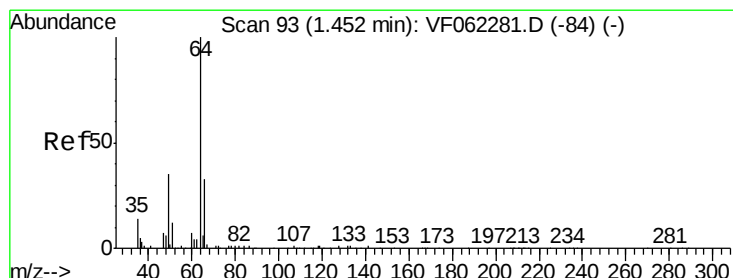
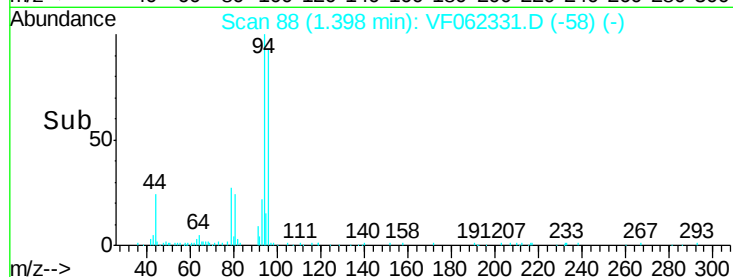
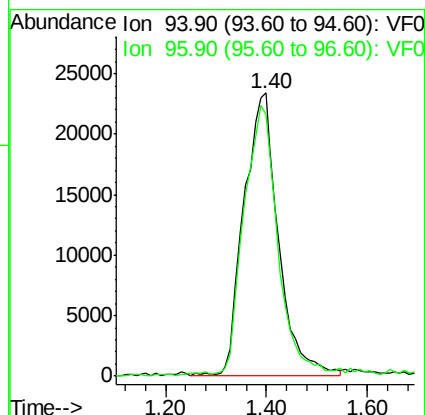
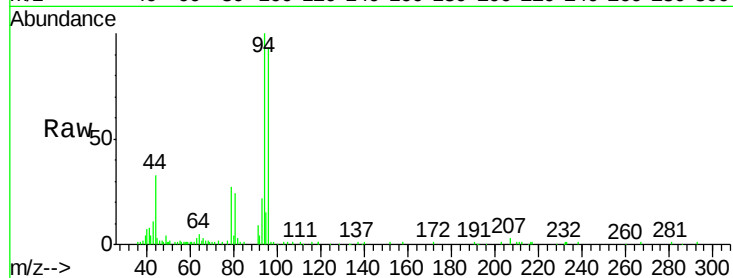
VSTDCCC050

Tot Ion: 94 Resp: 112234

Ion Ratio Lower Upper

94 100

96 91.4 69.5 104.3



#6

Chloroethane

Concen: 50.600 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.01 min

Lab File: VF062331.D

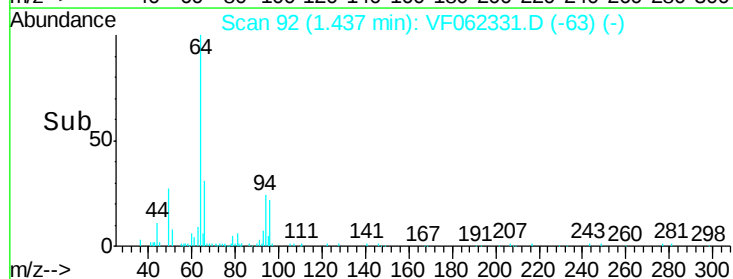
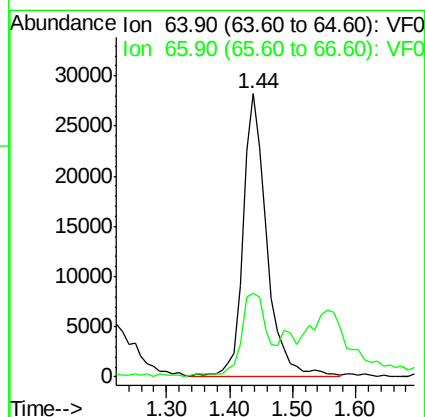
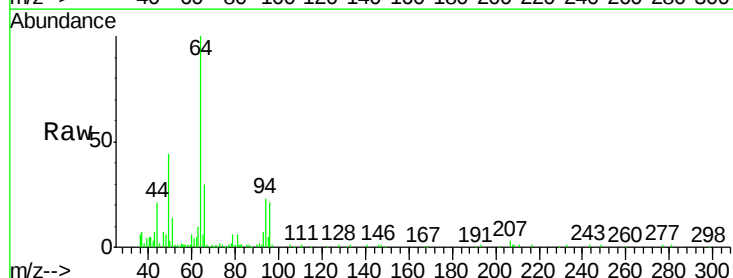
Acq: 30 Apr 2019 13:23

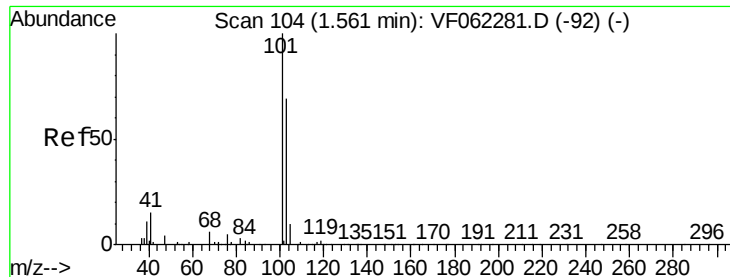
Tgt Ion: 64 Resp: 73076

Ion Ratio Lower Upper

64 100

66 29.2 26.0 39.0



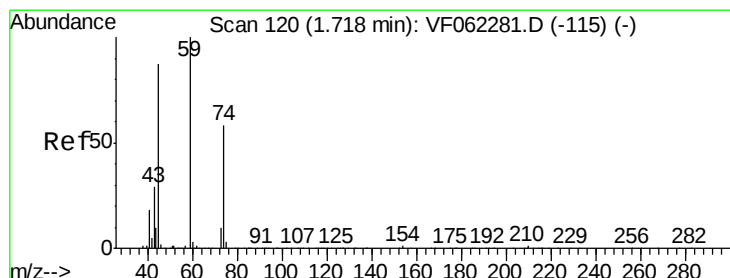
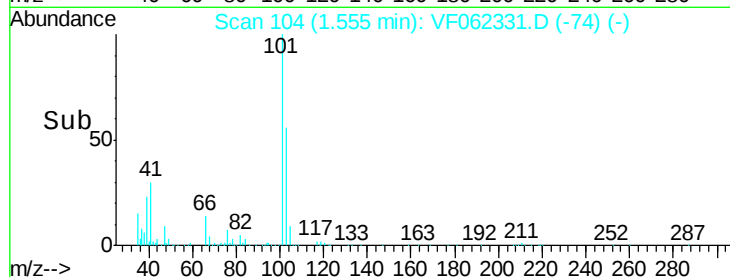
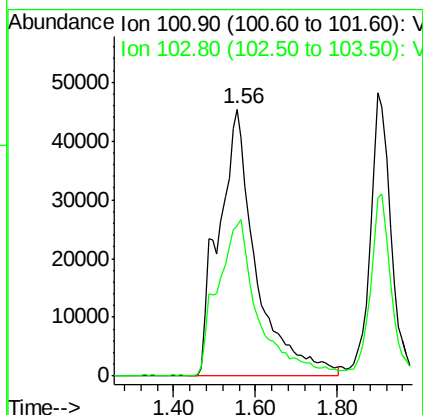
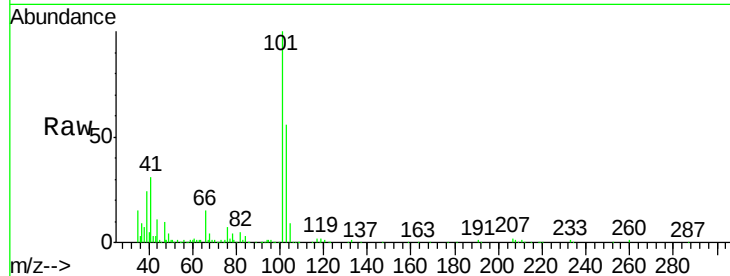


#7

Trichlorofluoromethane
Concen: 55.224 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.01 min
Lab File: VF062331.D
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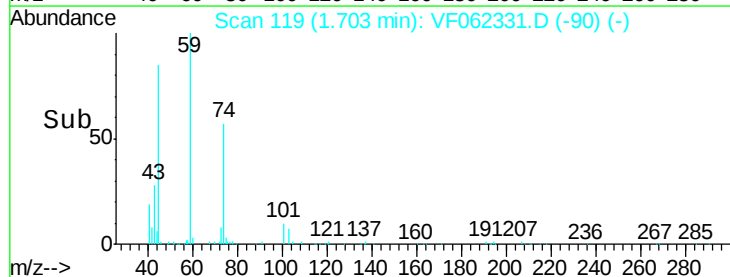
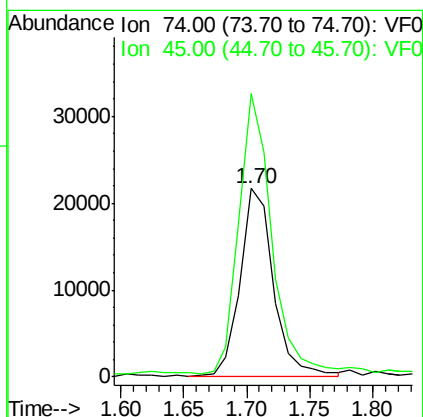
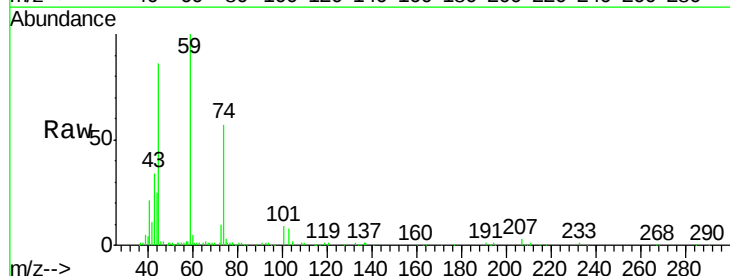
Tot Ion:101 Resp: 289096
Ion Ratio Lower Upper
101 100
103 56.3 55.0 82.6

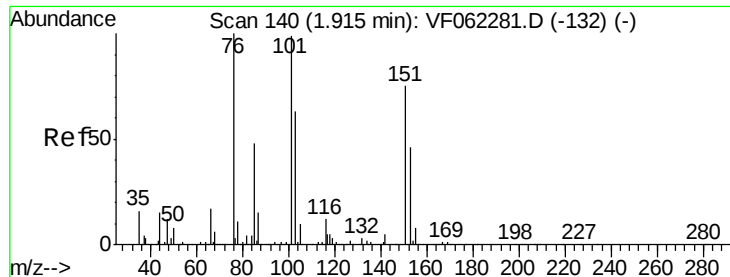


#8

Diethyl Ether
Concen: 42.394 ug/l
RT: 1.70 min Scan# 119
Delta R.T. -0.01 min
Lab File: VF062331.D
Acq: 30 Apr 2019 13:23

Tgt Ion: 74 Resp: 40206
Ion Ratio Lower Upper
74 100
45 146.4 74.0 222.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.639 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062331.D

Acq: 30 Apr 2019 13:23

Instrument :

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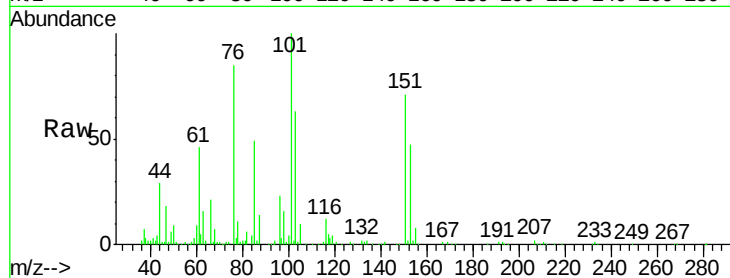
Tot Ion:101 Resp: 169648

Ion Ratio Lower Upper

101 100

85 47.3 36.5 54.7

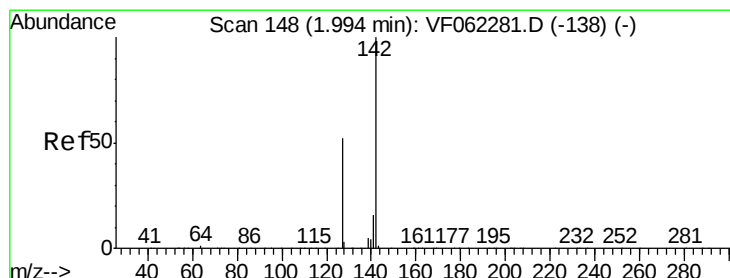
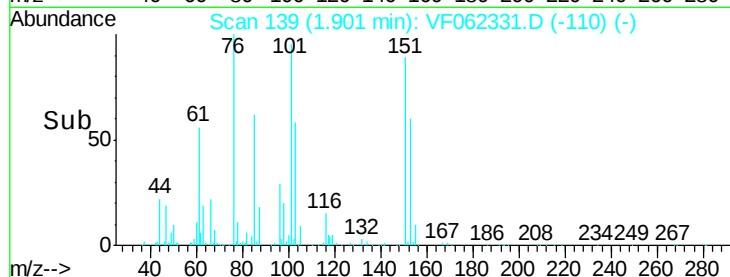
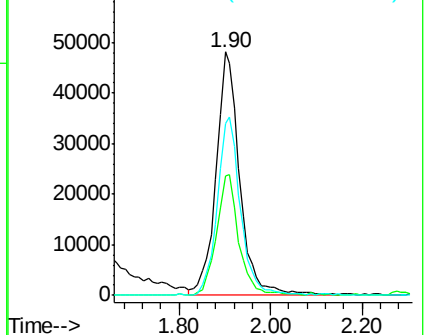
151 72.4 59.2 88.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VF0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.586 ug/l

RT: 1.98 min Scan# 147

Delta R.T. -0.01 min

Lab File: VF062331.D

Acq: 30 Apr 2019 13:23

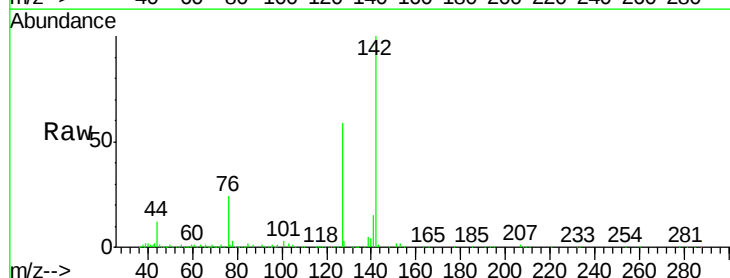
Tgt Ion:142 Resp: 279008

Ion Ratio Lower Upper

142 100

127 57.6 43.0 64.4

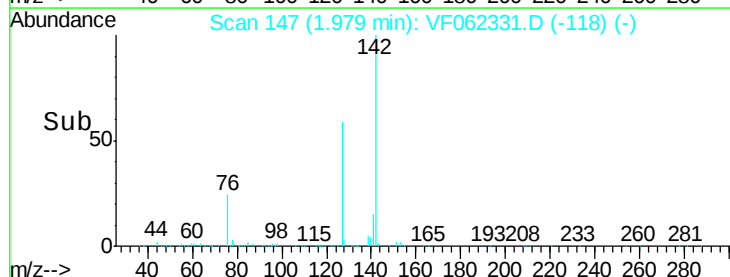
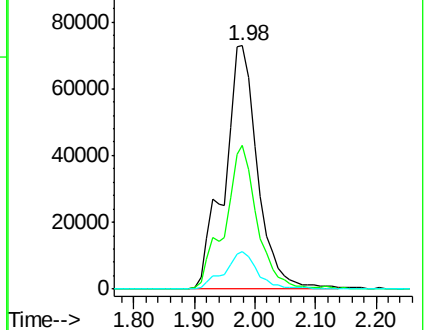
141 15.3 12.3 18.5

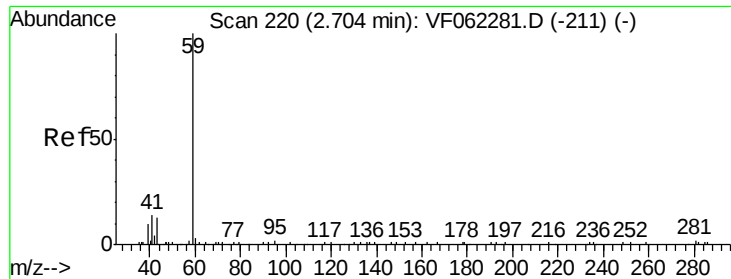


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



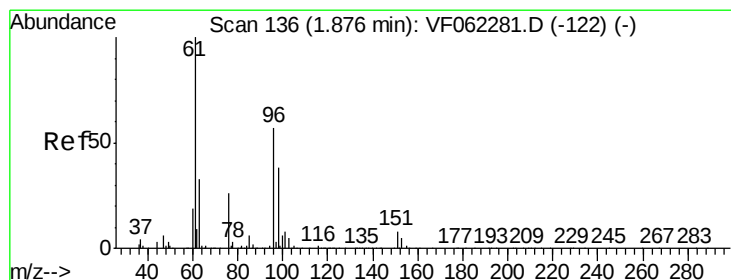
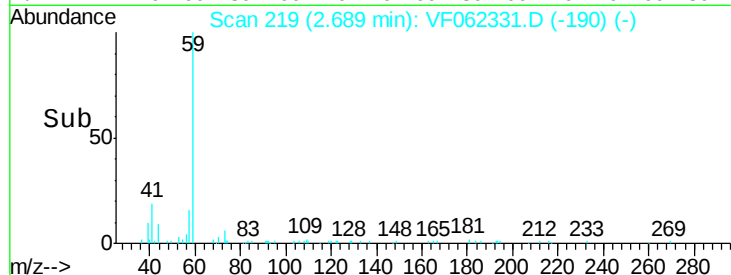
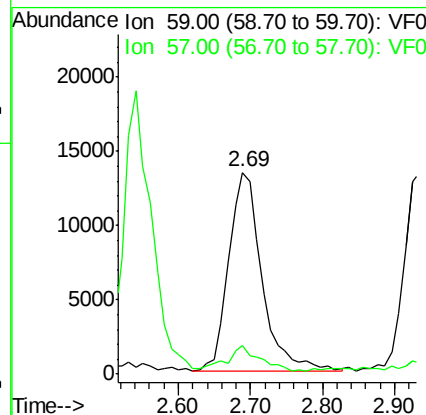
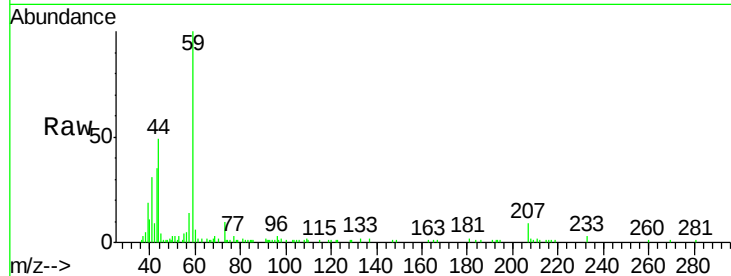


#11

Tert butyl alcohol
Concen: 251.001 ug/l
RT: 2.69 min Scan# 219
Delta R.T. -0.02 min
Lab File: VF062331.D
Acq: 30 Apr 2019 13:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

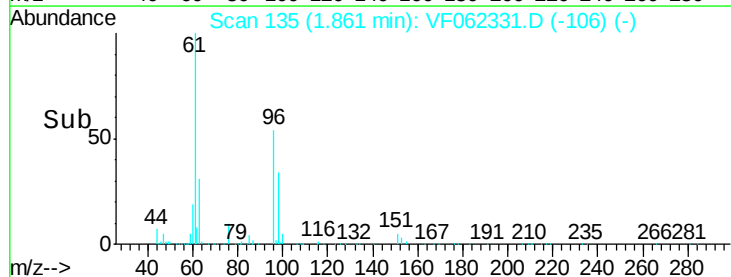
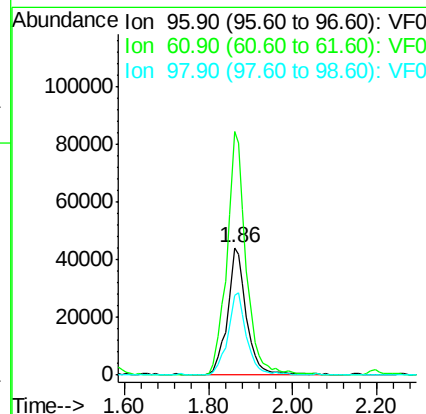
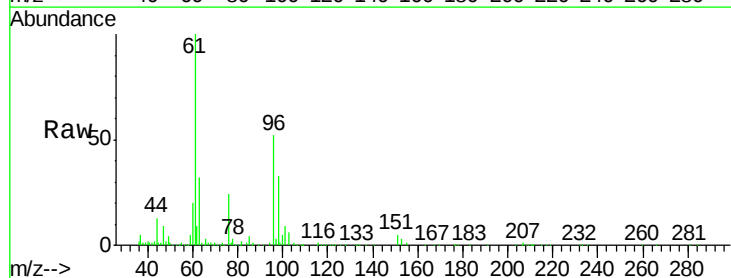
Tot Ion: 59 Resp: 42733
Ion Ratio Lower Upper
59 100
57 12.7 8.8 13.2

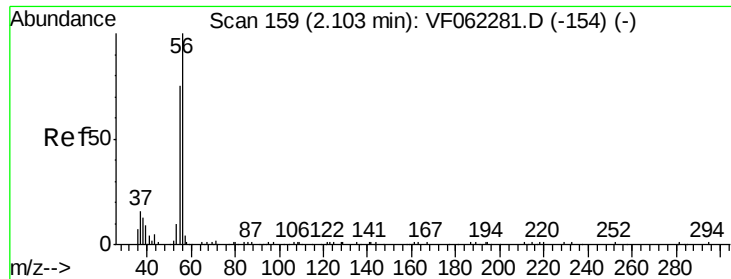


#12

1,1-Dichloroethene
Concen: 46.242 ug/l
RT: 1.86 min Scan# 135
Delta R.T. -0.01 min
Lab File: VF062331.D
Acq: 30 Apr 2019 13:23

Tgt Ion: 96 Resp: 135552
Ion Ratio Lower Upper
96 100
61 191.8 141.1 211.7
98 62.9 53.4 80.0





#13

Acrolein

Concen: 248.132 ug/l

RT: 2.10 min Scan# 159

Delta R.T. -0.00 min

Lab File: VF062331.D

Acq: 30 Apr 2019 13:23

Instrument :

MSVOA_F

ClientSampleId :

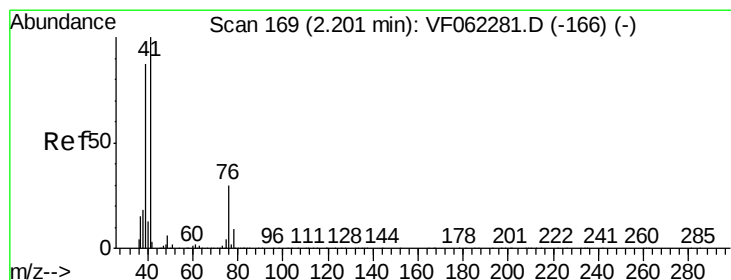
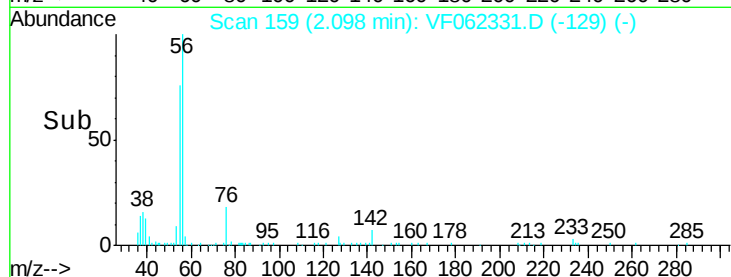
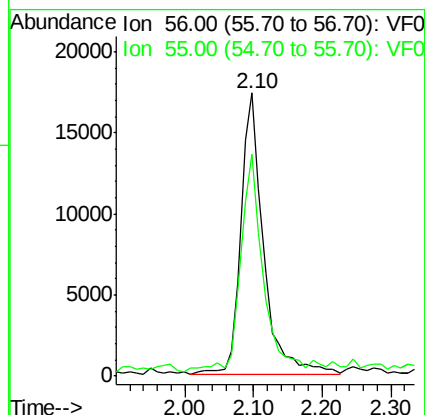
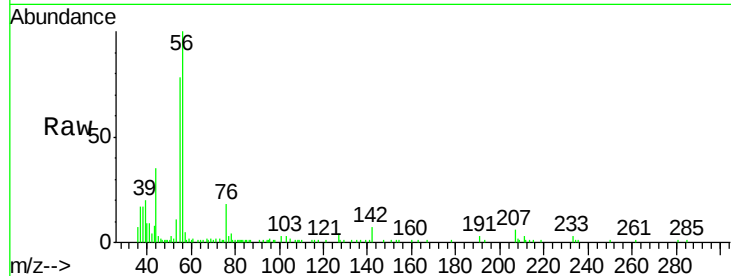
VSTDCCC050

Tot Ion: 56 Resp: 39596

Ion Ratio Lower Upper

56 100

55 76.7 62.3 93.5



#14

Allyl chloride

Concen: 51.172 ug/l

RT: 2.20 min Scan# 169

Delta R.T. -0.00 min

Lab File: VF062331.D

Acq: 30 Apr 2019 13:23

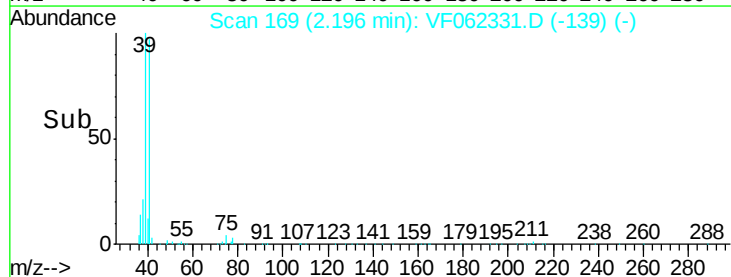
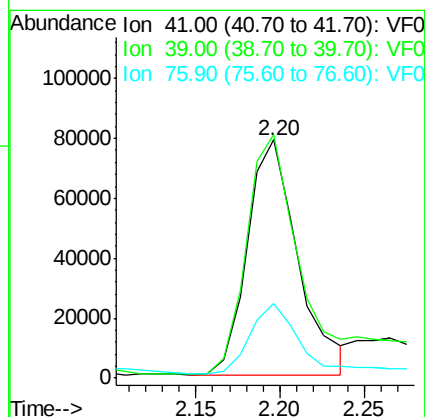
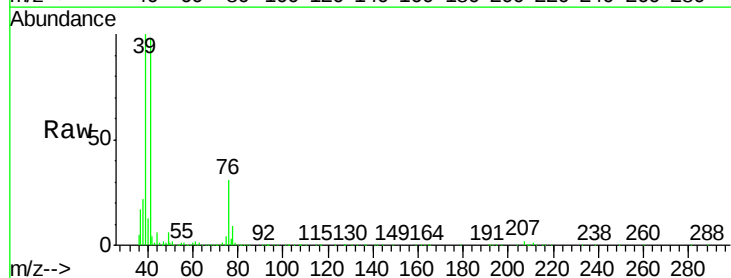
Tgt Ion: 41 Resp: 163248

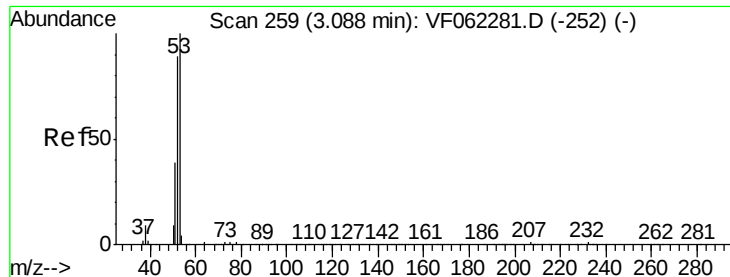
Ion Ratio Lower Upper

41 100

39 131.0 50.3 75.5#

76 40.7 14.8 22.2#





#15

Acrylonitrile

Concen: 203.890 ug/l

RT: 3.08 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF062331.D

Acq: 30 Apr 2019 13:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

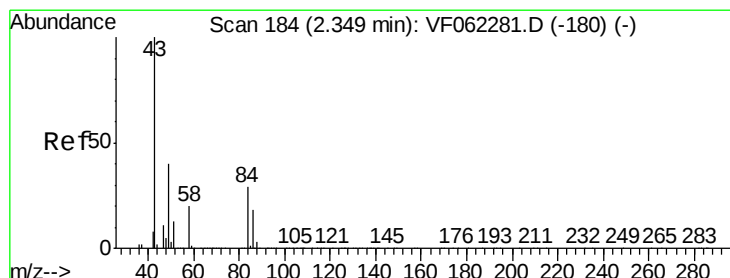
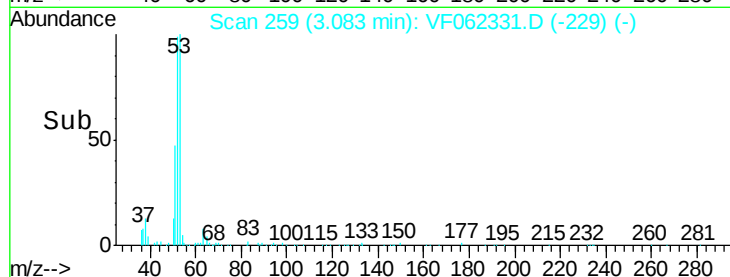
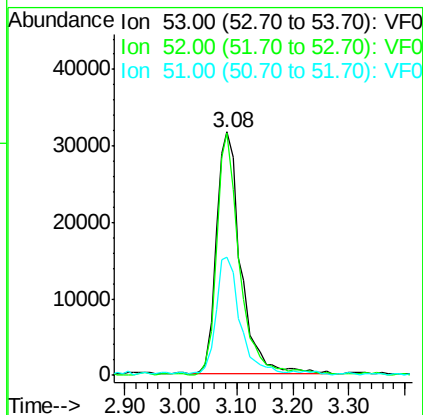
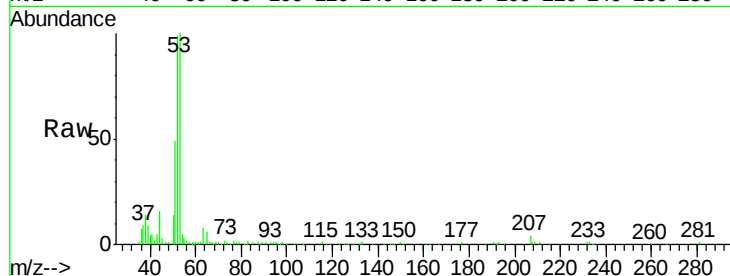
Tot Ion: 53 Resp: 96142

Ion Ratio Lower Upper

53 100

52 92.8 70.6 105.8

51 47.4 32.6 48.8



#16

Acetone

Concen: 306.903 ug/l

RT: 2.34 min Scan# 184

Delta R.T. -0.01 min

Lab File: VF062331.D

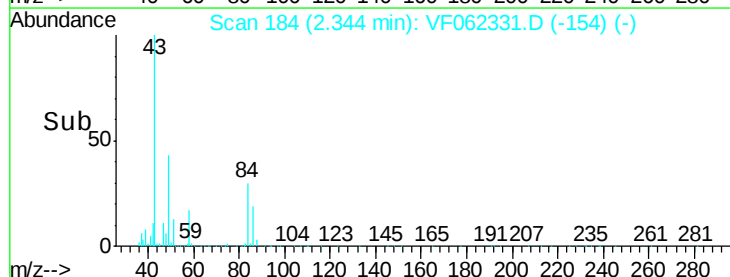
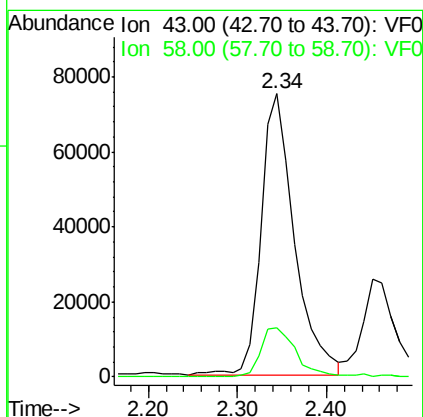
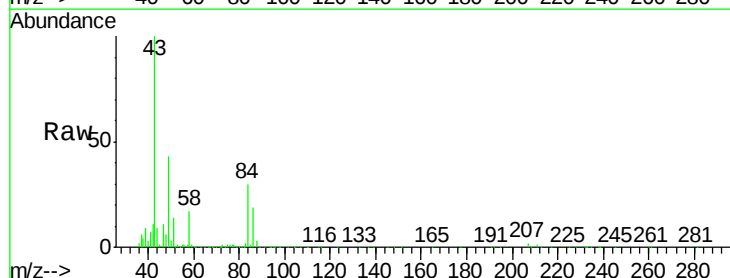
Acq: 30 Apr 2019 13:23

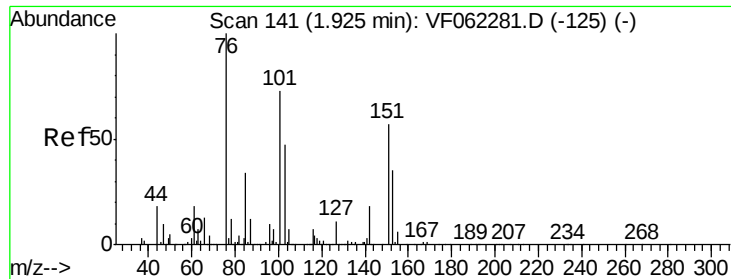
Tgt Ion: 43 Resp: 193394

Ion Ratio Lower Upper

43 100

58 17.1 16.4 24.6

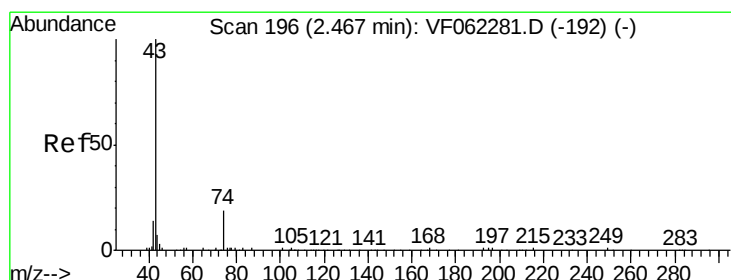
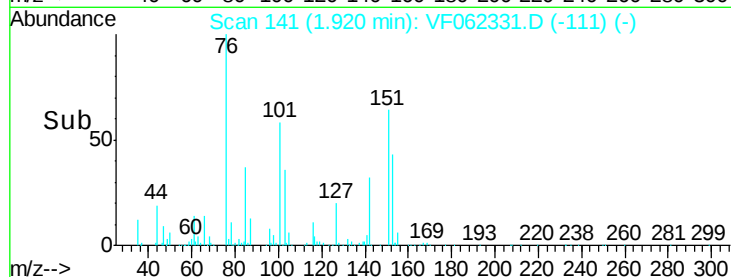
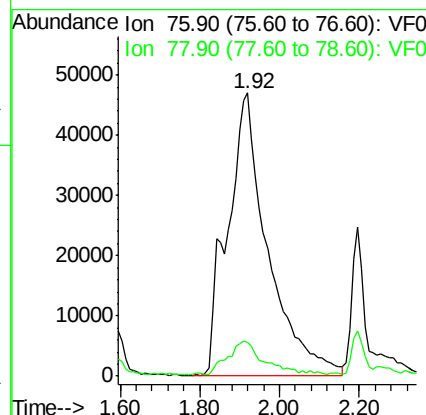
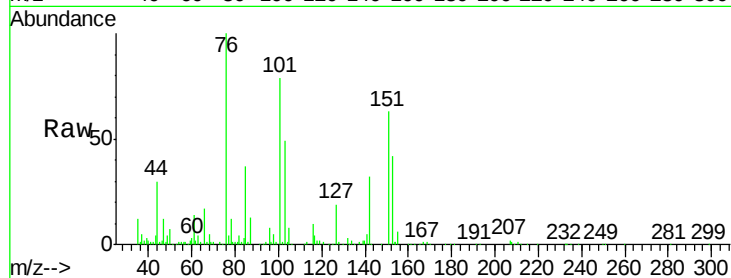




#17
Carbon Disulfide
Concen: 43.149 ug/l
RT: 1.92 min Scan# 141
Delta R.T. -0.01 min
Lab File: VF062331.D
Acq: 30 Apr 2019 13:23

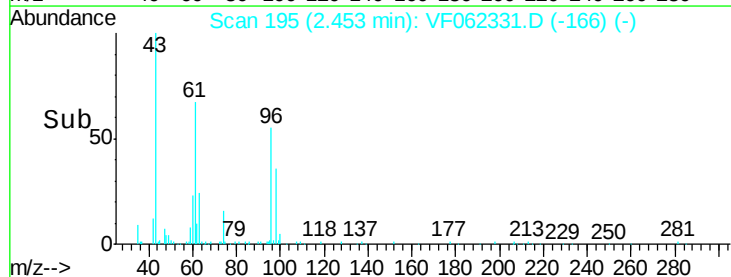
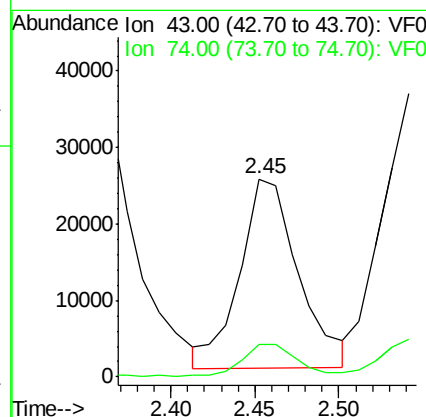
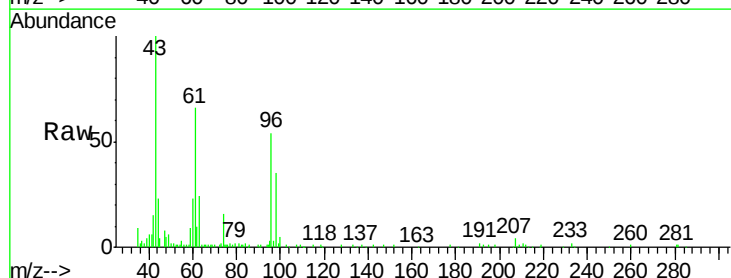
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

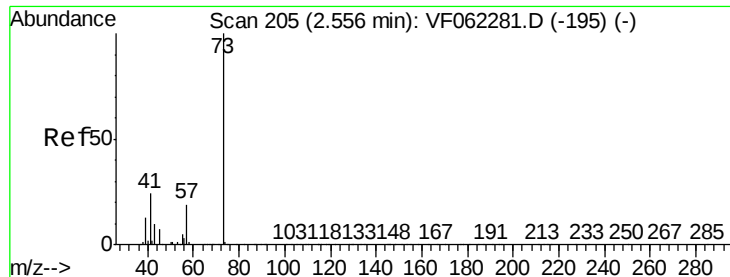
Tot Ion: 76 Resp: 332884
Ion Ratio Lower Upper
76 100
78 11.4 9.8 14.8



#18
Methyl Acetate
Concen: 51.453 ug/l
RT: 2.45 min Scan# 195
Delta R.T. -0.01 min
Lab File: VF062331.D
Acq: 30 Apr 2019 13:23

Tgt Ion: 43 Resp: 60188
Ion Ratio Lower Upper
43 100
74 17.0 14.4 21.6



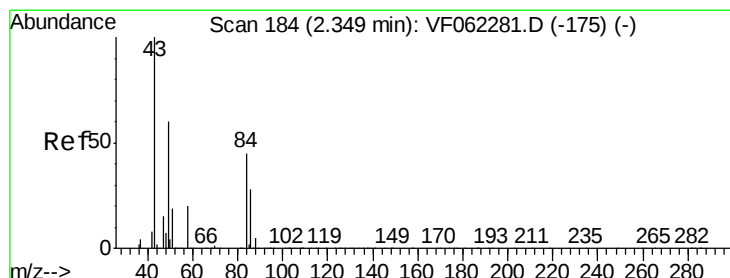
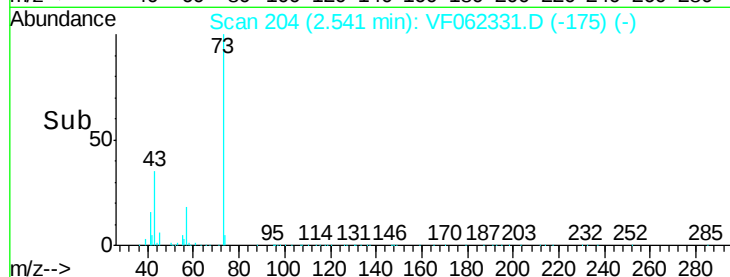
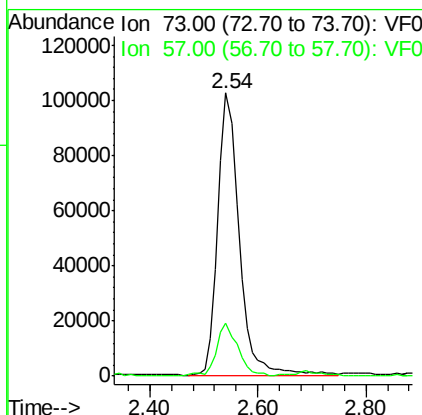
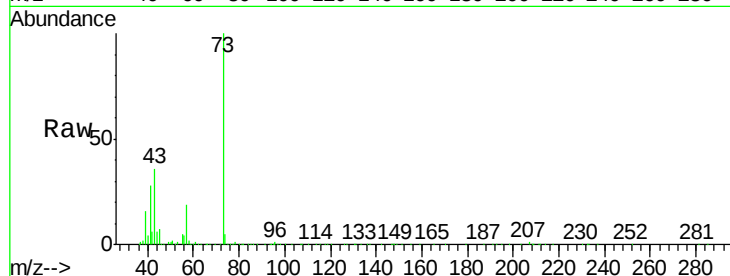


#19

Methyl tert-butyl Ether
 Concen: 50.269 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. -0.01 min
 Lab File: VF062331.D
 Acq: 30 Apr 2019 13:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

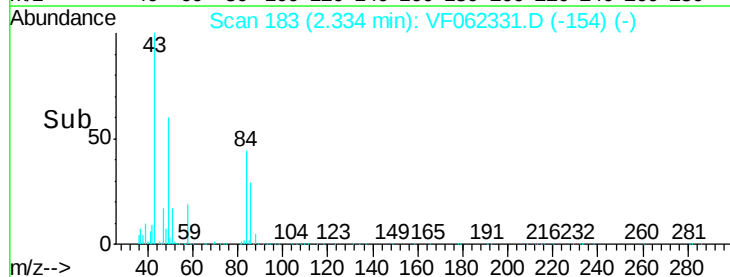
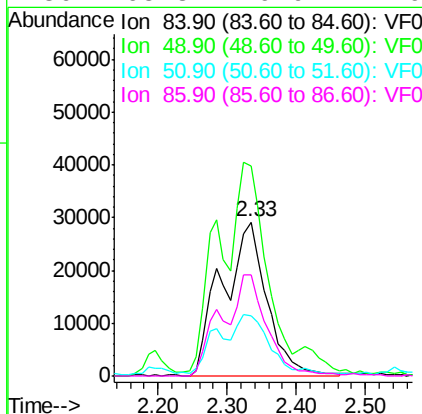
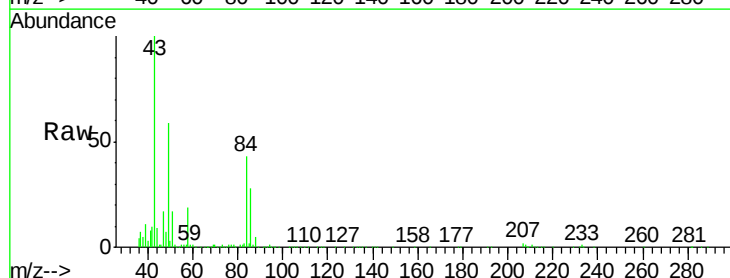
Tot Ion: 73 Resp: 280922
 Ion Ratio Lower Upper
 73 100
 57 18.2 15.5 23.3

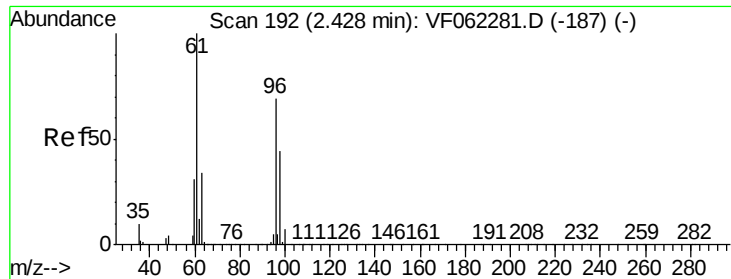


#20

Methylene Chloride
 Concen: 48.686 ug/l m
 RT: 2.33 min Scan# 183
 Delta R.T. -0.01 min
 Lab File: VF062331.D
 Acq: 30 Apr 2019 13:23

Tgt Ion: 84 Resp: 131361
 Ion Ratio Lower Upper
 84 100
 49 136.6 112.1 168.1
 51 39.5 35.9 53.9
 86 65.3 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 45.343 ug/l

RT: 2.42 min Scan# 192

Delta R.T. -0.01 min

Lab File: VF062331.D

Acq: 30 Apr 2019 13:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

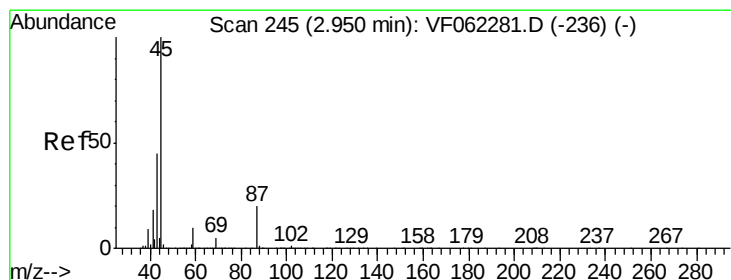
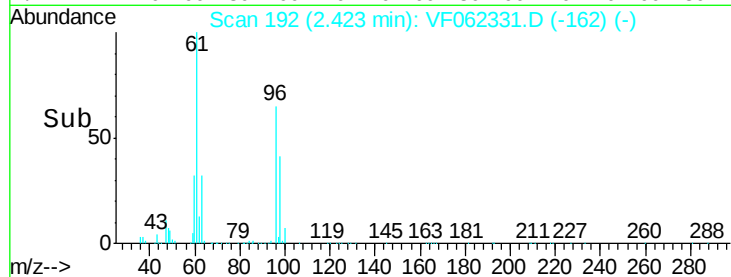
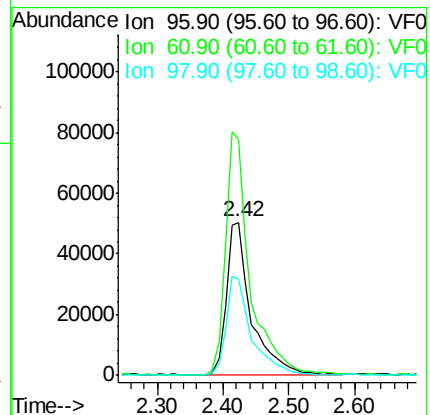
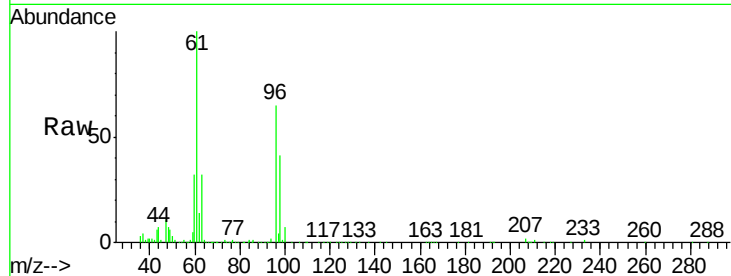
Tot Ion: 96 Resp: 131353

Ion Ratio Lower Upper

96 100

61 154.6 116.2 174.2

98 63.5 51.4 77.0



#22

Diisopropyl ether

Concen: 47.164 ug/l

RT: 2.94 min Scan# 244

Delta R.T. -0.01 min

Lab File: VF062331.D

Acq: 30 Apr 2019 13:23

Tgt Ion: 45 Resp: 405051

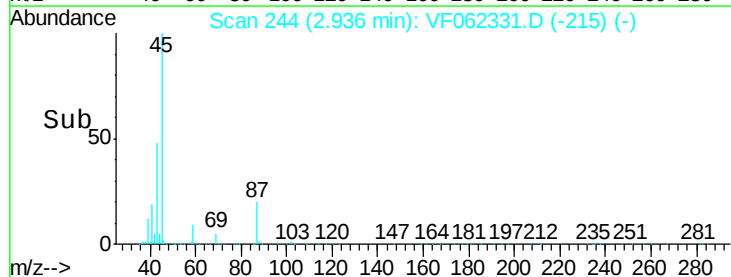
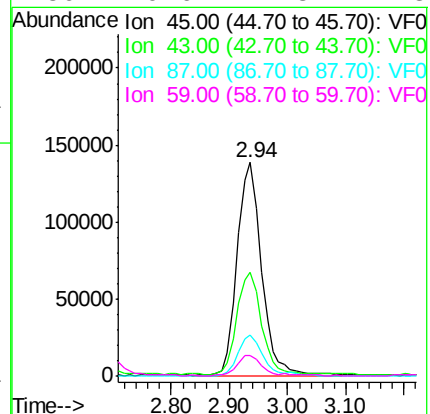
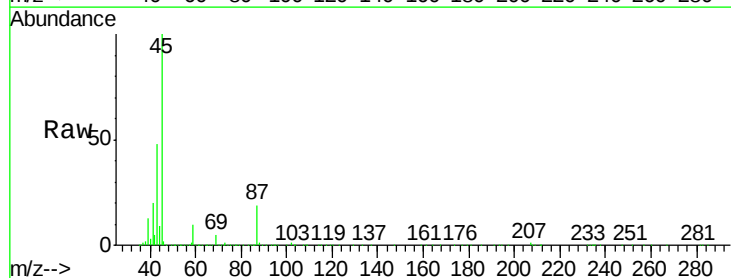
Ion Ratio Lower Upper

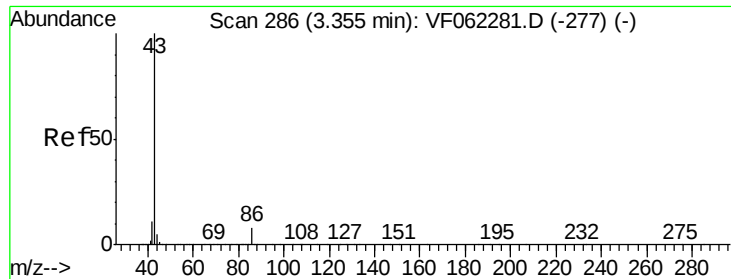
45 100

43 47.4 36.2 54.2

87 19.4 15.8 23.6

59 9.6 7.8 11.8





#23

Vinyl Acetate

Concen: 235.069 ug/l

RT: 3.34 min Scan# 285

Delta R.T. -0.01 min

Lab File: VF062331.D

Acq: 30 Apr 2019 13:23

Instrument :

MSVOA_F

ClientSampleId :

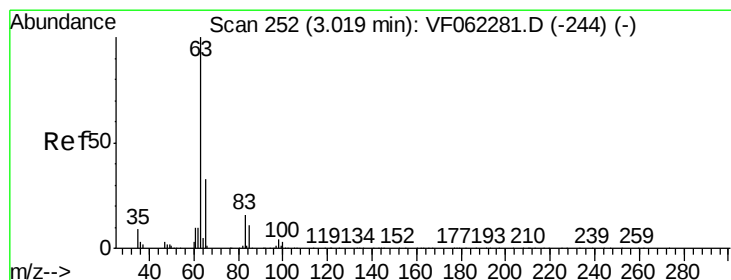
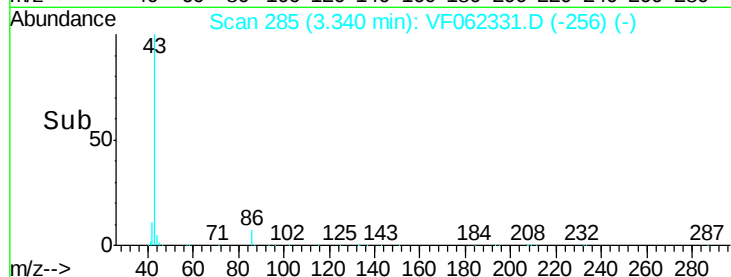
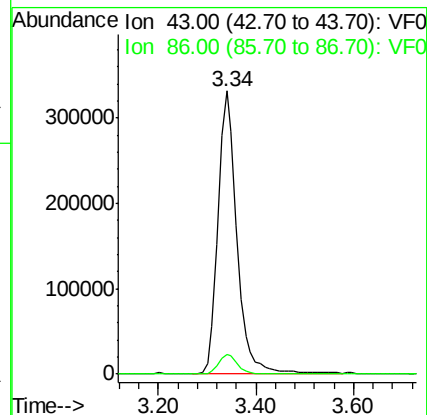
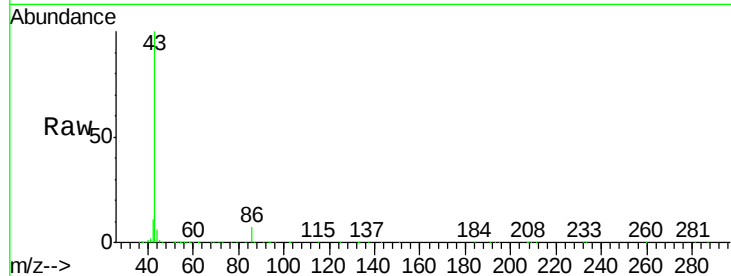
VSTDCCC050

Tot Ion: 43 Resp: 895231

Ion Ratio Lower Upper

43 100

86 6.8 6.0 9.0



#24

1,1-Dichloroethane

Concen: 51.100 ug/l

RT: 3.00 min Scan# 251

Delta R.T. -0.01 min

Lab File: VF062331.D

Acq: 30 Apr 2019 13:23

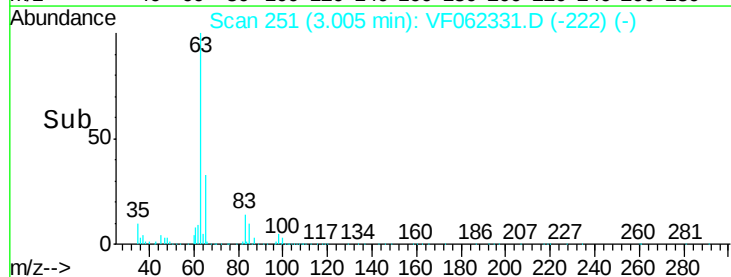
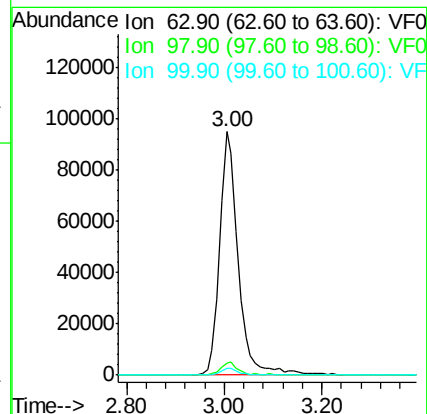
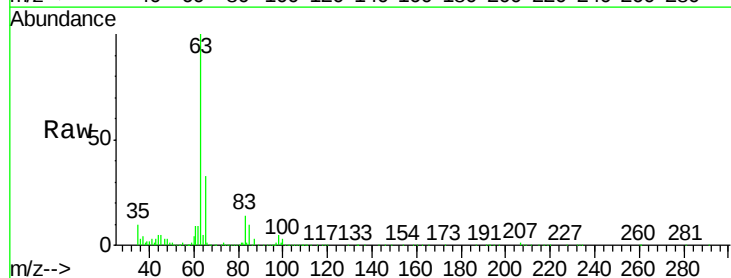
Tgt Ion: 63 Resp: 250480

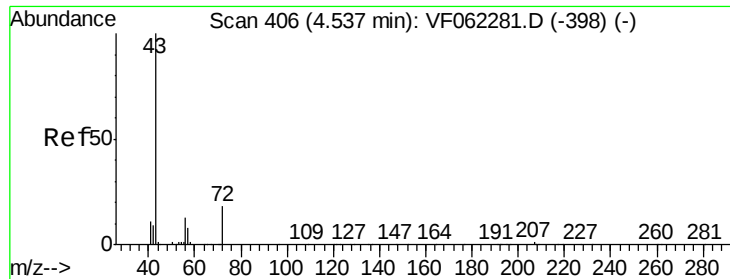
Ion Ratio Lower Upper

63 100

98 4.7 2.1 6.2

100 3.0 1.5 4.5





#25

2-Butanone

Concen: 227.848 ug/l

RT: 4.51 min Scan# 404

Delta R.T. -0.02 min

Lab File: VF062331.D

Acq: 30 Apr 2019 13:23

Instrument :

MSVOA_F

ClientSampleId :

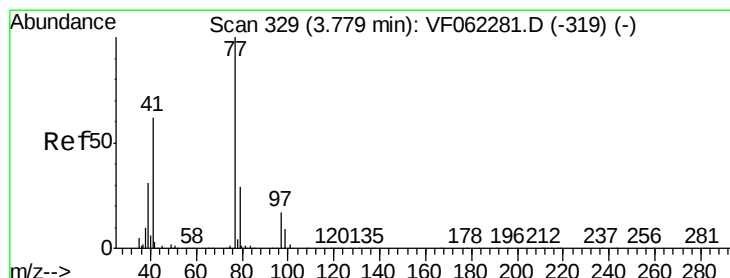
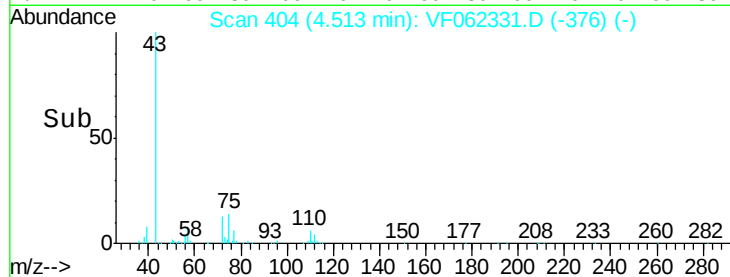
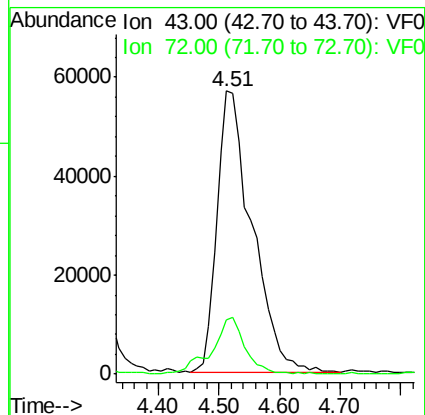
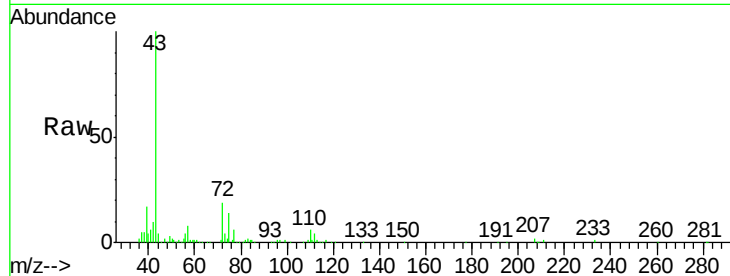
VSTDCCC050

Tot Ion: 43 Resp: 227659

Ion Ratio Lower Upper

43 100

72 19.1 15.8 23.6



#26

2,2-Dichloropropane

Concen: 52.615 ug/l

RT: 3.77 min Scan# 329

Delta R.T. -0.01 min

Lab File: VF062331.D

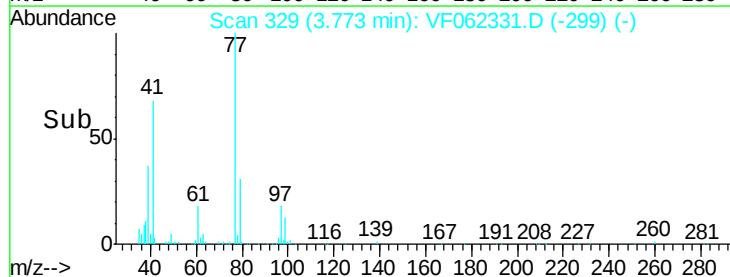
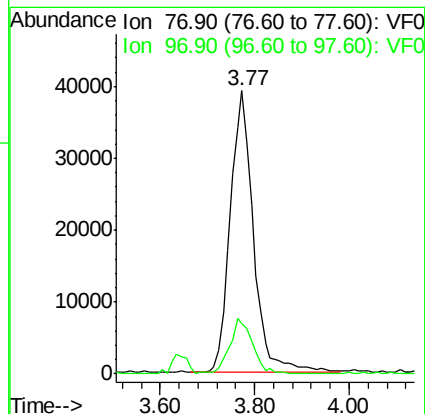
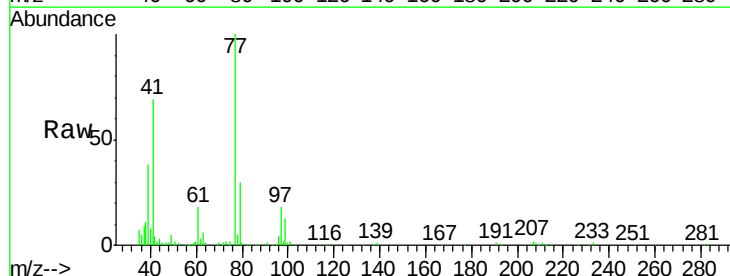
Acq: 30 Apr 2019 13:23

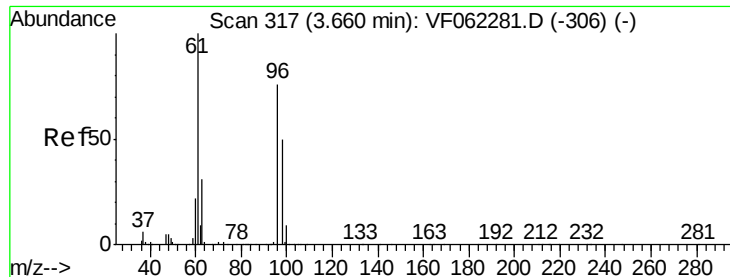
Tgt Ion: 77 Resp: 133932

Ion Ratio Lower Upper

77 100

97 19.3 10.3 30.8



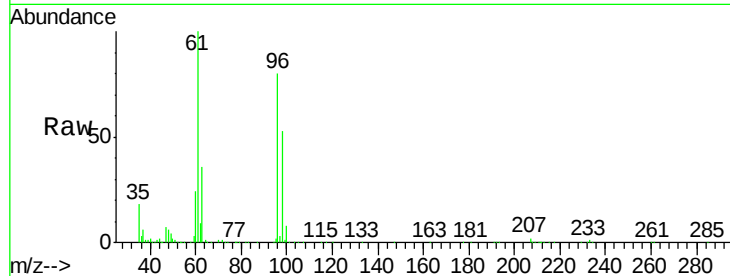


#27

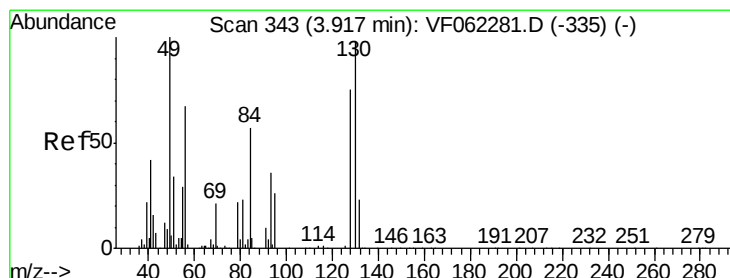
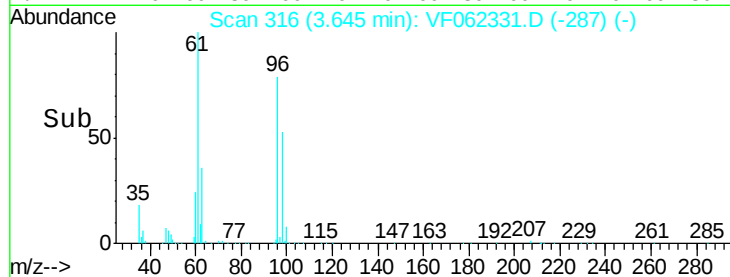
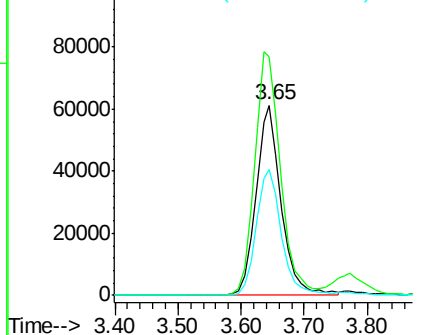
cis-1,2-Dichloroethene
Concen: 46.142 ug/l
RT: 3.65 min Scan# 316
Delta R.T. -0.01 min
Lab File: VF062331.D
Acq: 30 Apr 2019 13:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	96	Resp	169272
Ion Ratio	Lower	Upper	
96	100		
61	132.0	0.0	257.6
98	66.9	0.0	137.4



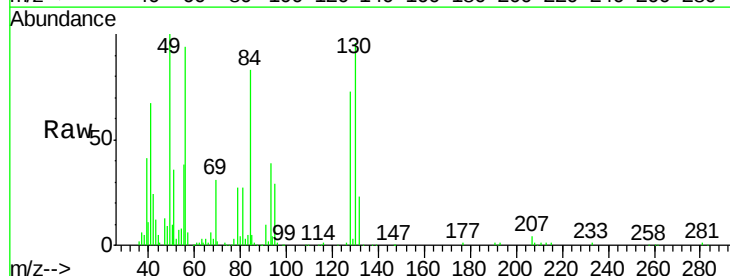
Abundance Ion 95.90 (95.60 to 96.60): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 97.90 (97.60 to 98.60): VF0



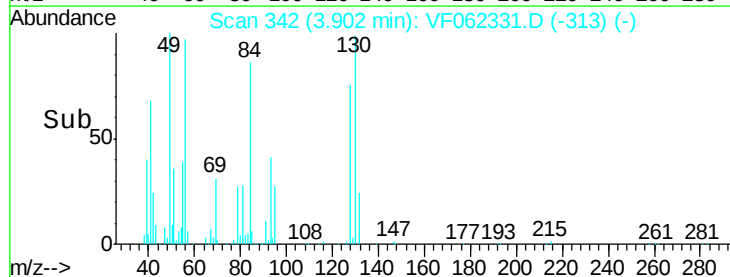
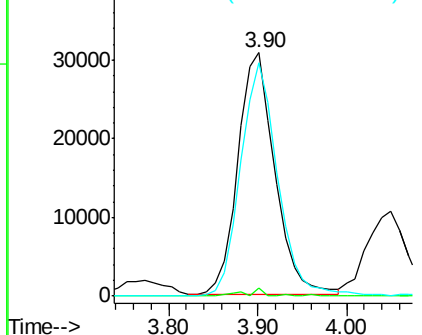
#28

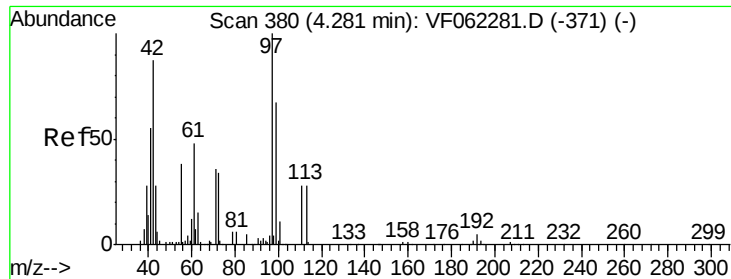
Bromochloromethane
Concen: 42.609 ug/l
RT: 3.90 min Scan# 342
Delta R.T. -0.01 min
Lab File: VF062331.D
Acq: 30 Apr 2019 13:23

Tgt Ion	49	Resp	88014
Ion Ratio	Lower	Upper	
49	100		
129	0.8	0.0	0.0#
130	97.8	77.0	115.4



Abundance Ion 48.90 (48.60 to 49.60): VF0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

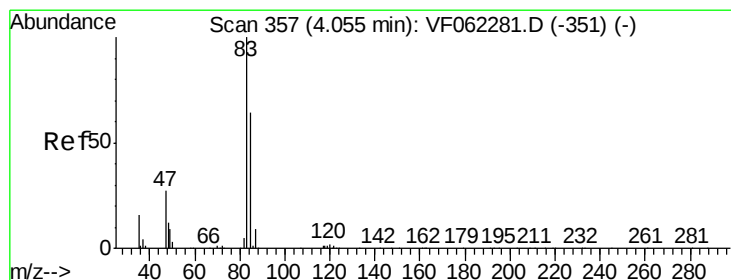
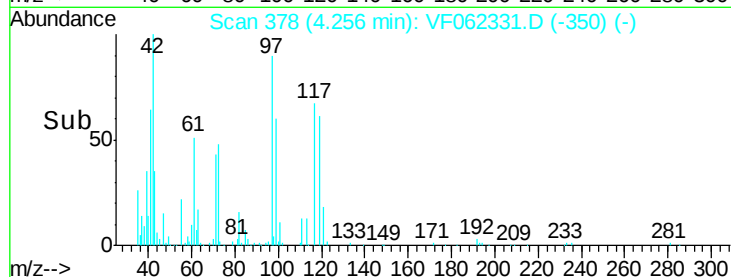
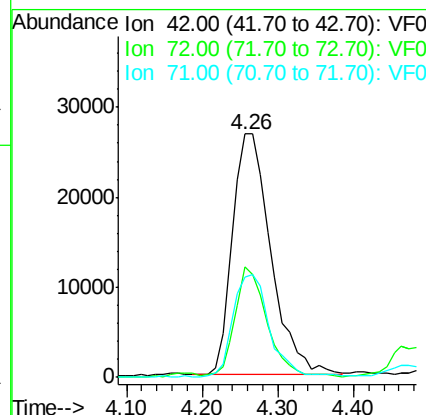
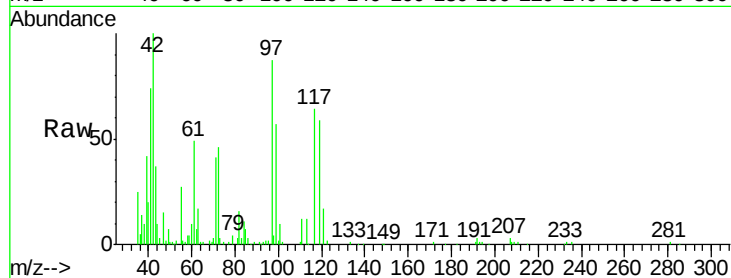




#29
Tetrahydrofuran
Concen: 212.871 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.02 min
Lab File: VF062331.D
Acq: 30 Apr 2019 13:23

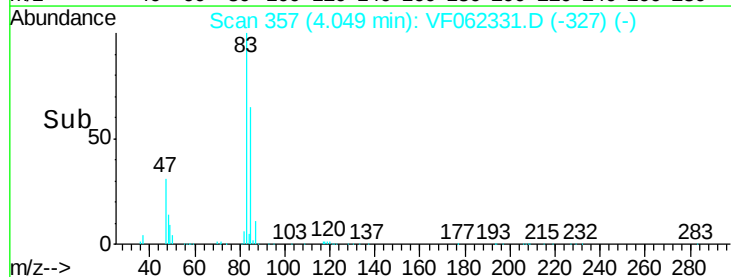
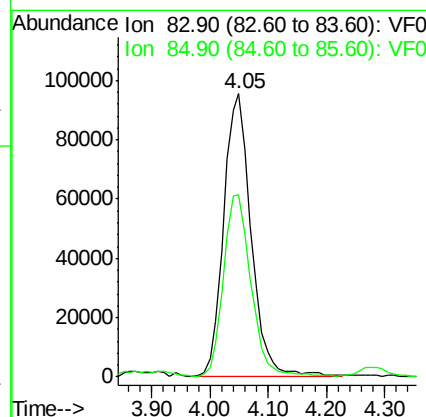
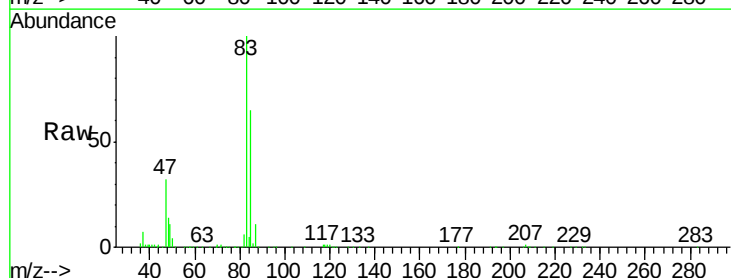
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

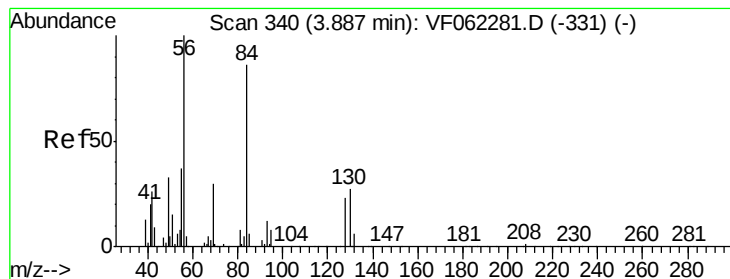
Tot Ion	Ratio	Lower	Upper
42	100		
72	39.2	29.3	43.9
71	41.2	31.2	46.8



#30
Chloroform
Concen: 50.361 ug/l
RT: 4.05 min Scan# 357
Delta R.T. -0.01 min
Lab File: VF062331.D
Acq: 30 Apr 2019 13:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.1	76.7





#31

Cyclohexane

Concen: 41.925 ug/l

RT: 3.87 min Scan# 339

Delta R.T. -0.02 min

Lab File: VF062331.D

Acq: 30 Apr 2019 13:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

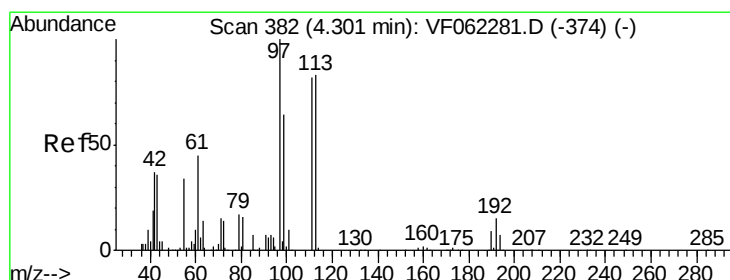
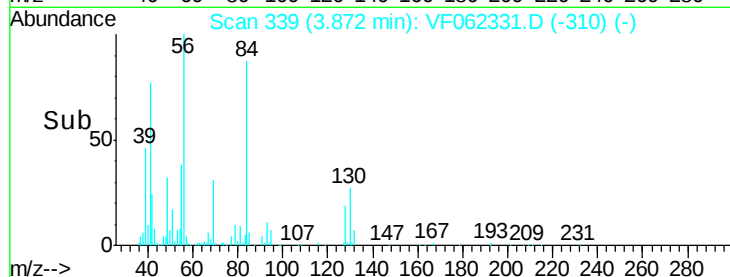
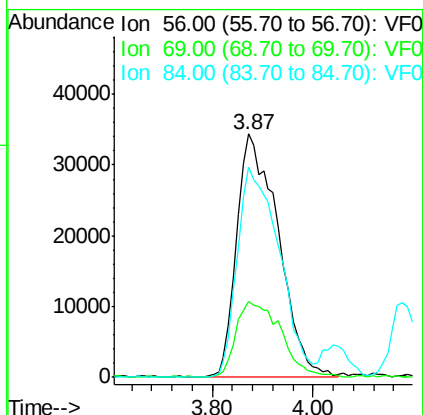
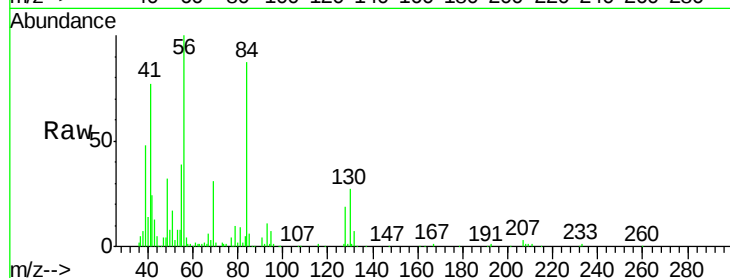
Tot Ion: 56 Resp: 195547

Ion Ratio Lower Upper

56 100

69 30.7 24.3 36.5

84 86.6 68.5 102.7



#32

1,1,1-Trichloroethane

Concen: 56.809 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF062331.D

Acq: 30 Apr 2019 13:23

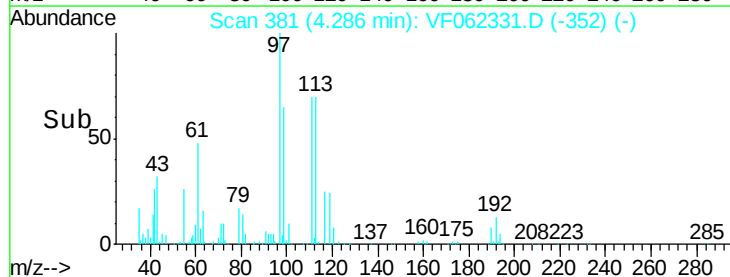
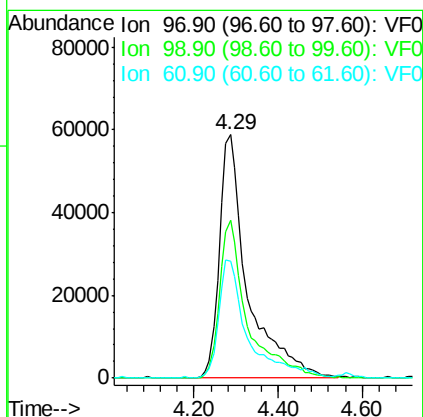
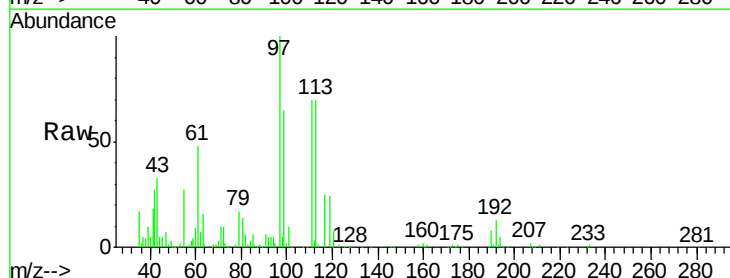
Tgt Ion: 97 Resp: 274537

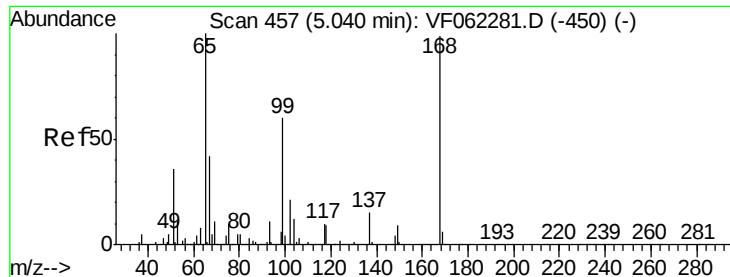
Ion Ratio Lower Upper

97 100

99 63.8 41.6 62.4#

61 50.1 31.6 47.4#





#33

1,2-Dichloroethane-d4

Concen: 50.959 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.01 min

Lab File: VF062331.D

Acq: 30 Apr 2019 13:23

Instrument :

MSVOA_F

ClientSampleId :

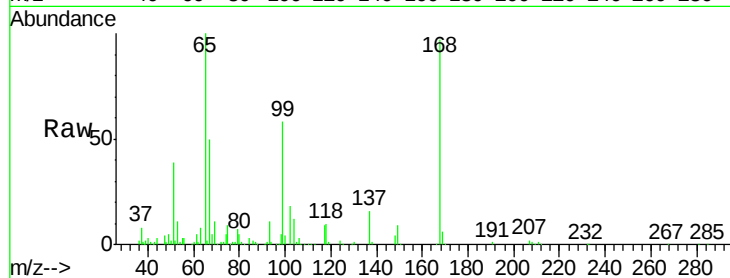
VSTDCCC050

Tot Ion: 65 Resp: 143423

Ion Ratio Lower Upper

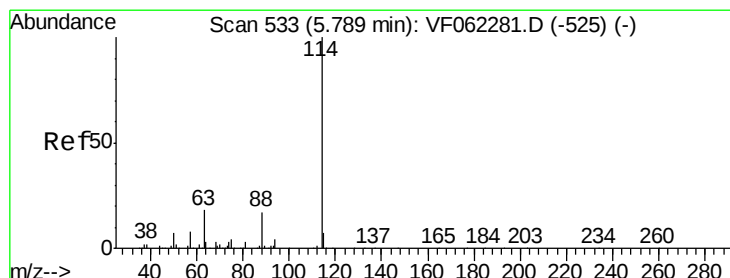
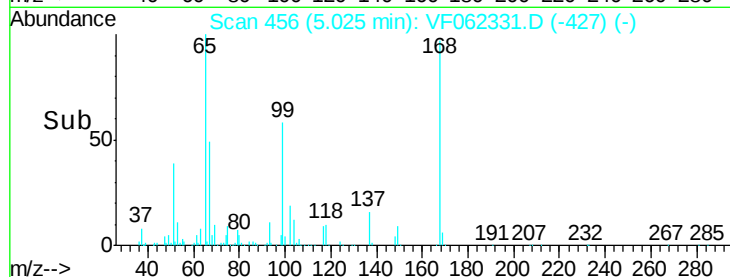
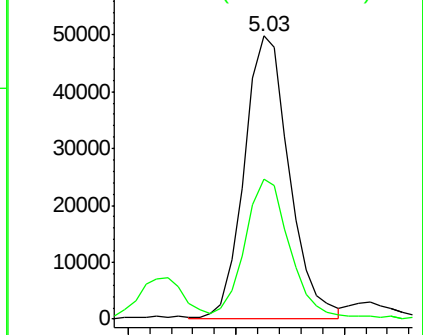
65 100

67 50.4 0.0 98.8



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 532

Delta R.T. -0.01 min

Lab File: VF062331.D

Acq: 30 Apr 2019 13:23

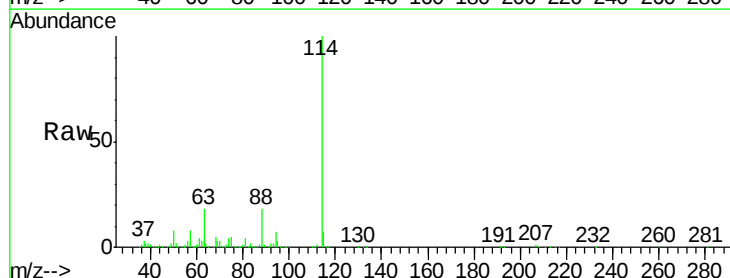
Tgt Ion:114 Resp: 476738

Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.6

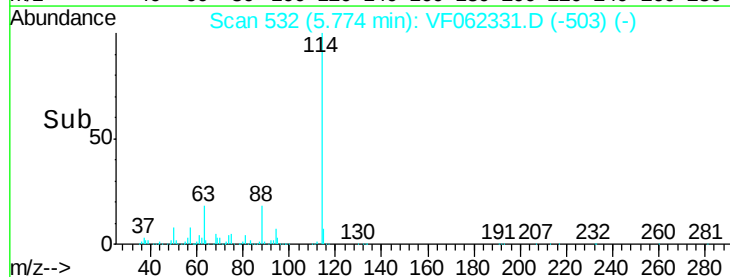
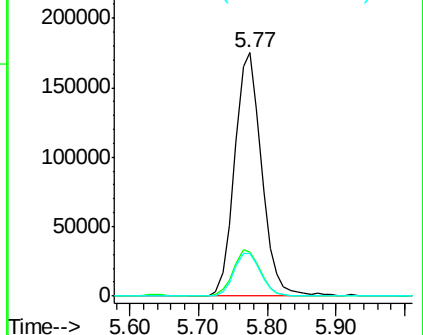
88 17.6 0.0 34.6

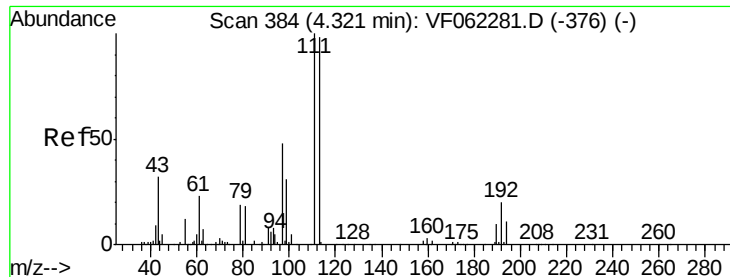


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0

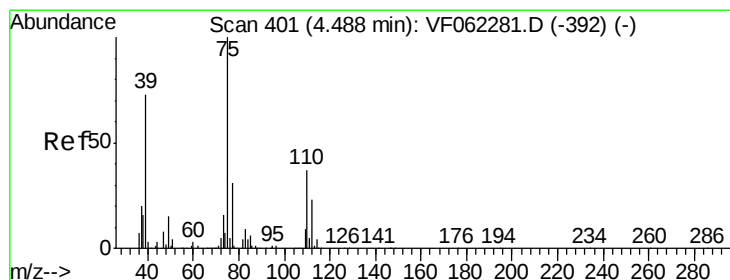
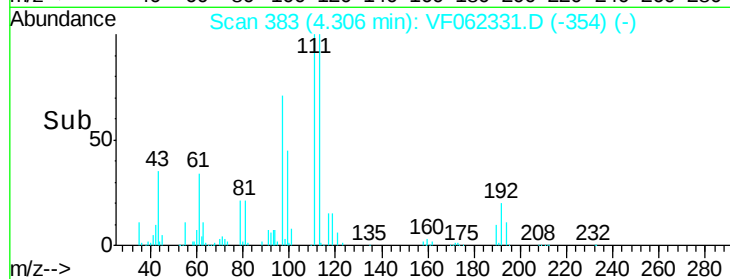
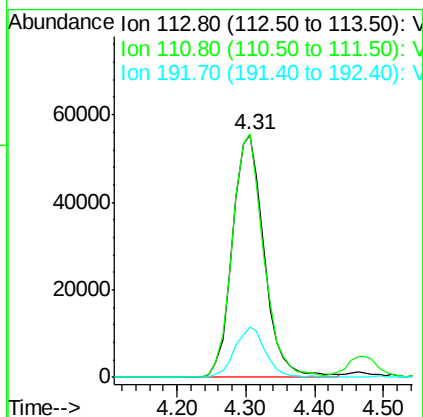
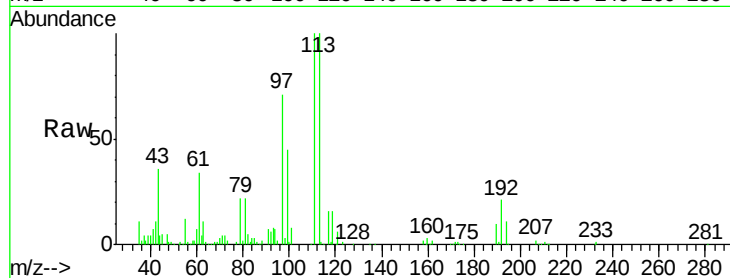




#35
 Dibromofluoromethane
 Concen: 49.783 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. -0.01 min
 Lab File: VF062331.D
 Acq: 30 Apr 2019 13:23

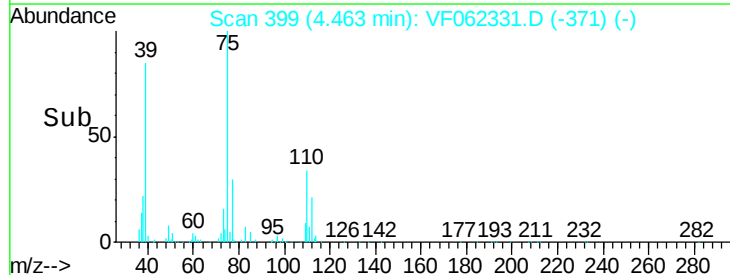
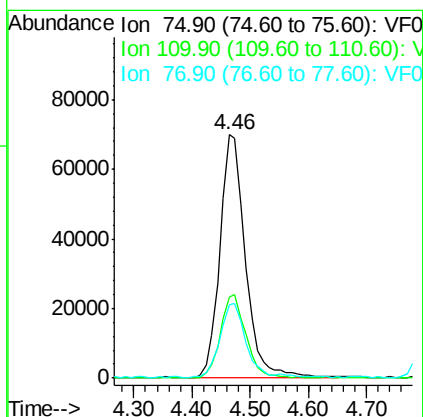
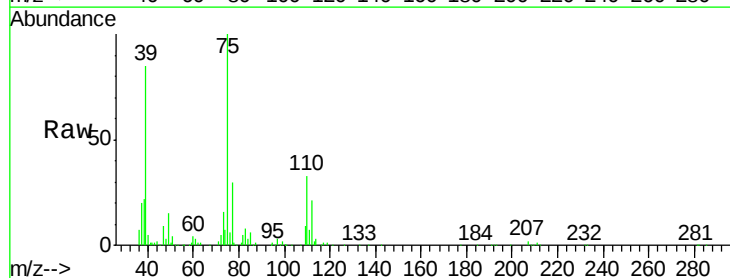
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

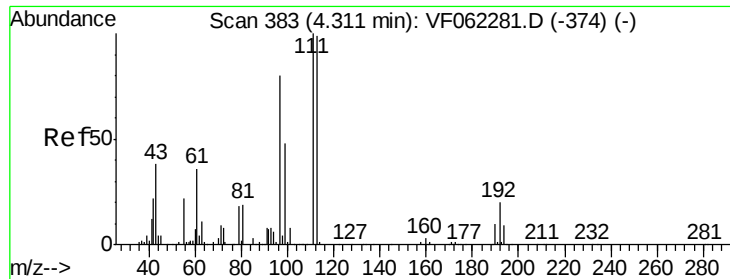
Tot Ion:113 Resp: 175971
 Ion Ratio Lower Upper
 113 100
 111 99.2 81.4 122.2
 192 20.2 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 48.571 ug/l
 RT: 4.46 min Scan# 399
 Delta R.T. -0.02 min
 Lab File: VF062331.D
 Acq: 30 Apr 2019 13:23

Tgt Ion: 75 Resp: 213630
 Ion Ratio Lower Upper
 75 100
 110 34.1 17.9 53.8
 77 30.0 24.6 36.8

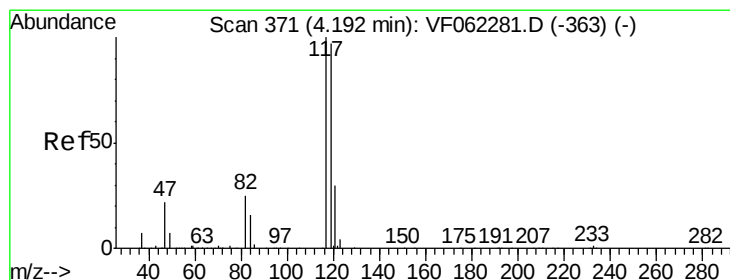
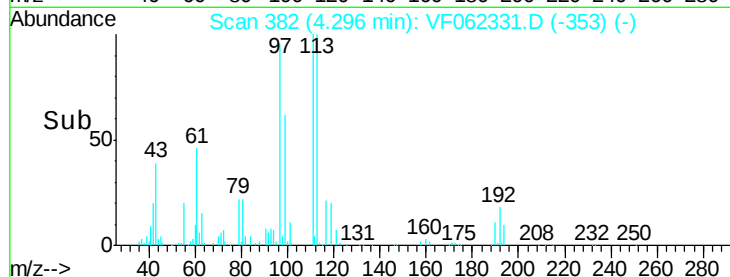
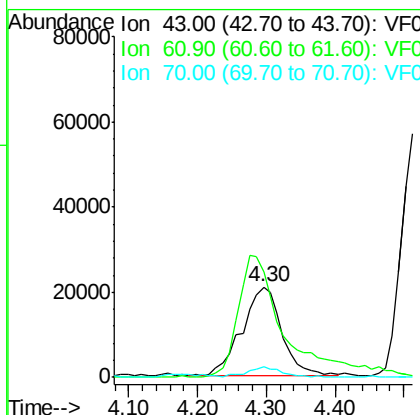
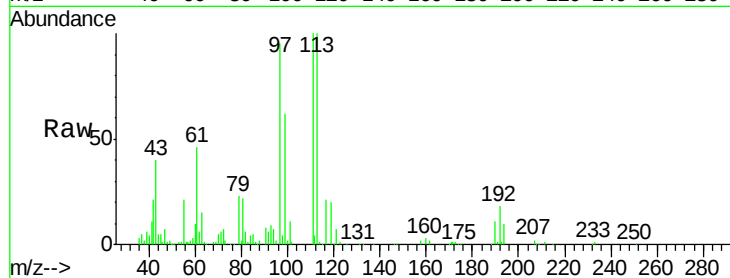




#37
Ethyl Acetate
Concen: 44.933 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.02 min
Lab File: VF062331.D
Acq: 30 Apr 2019 13:23

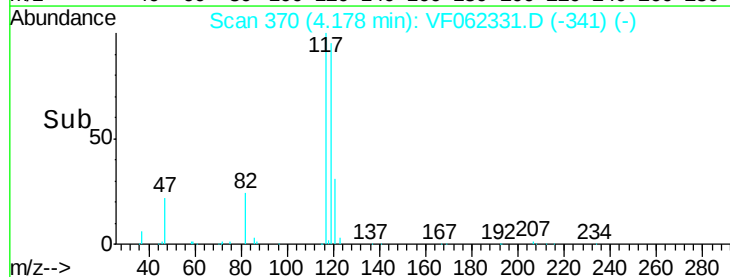
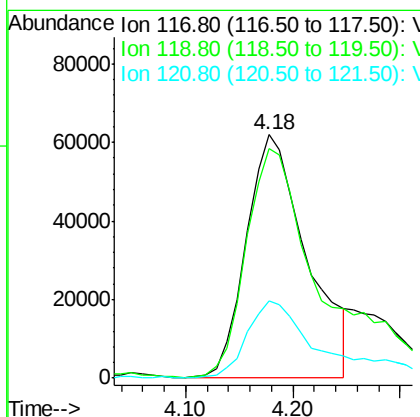
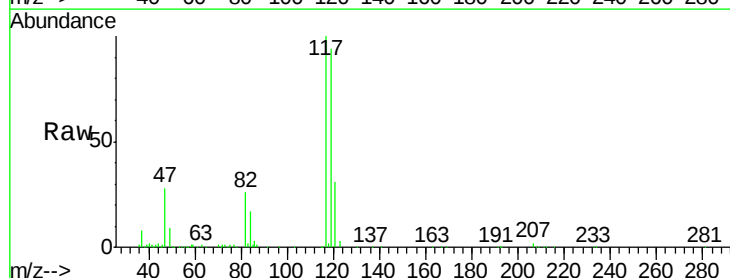
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

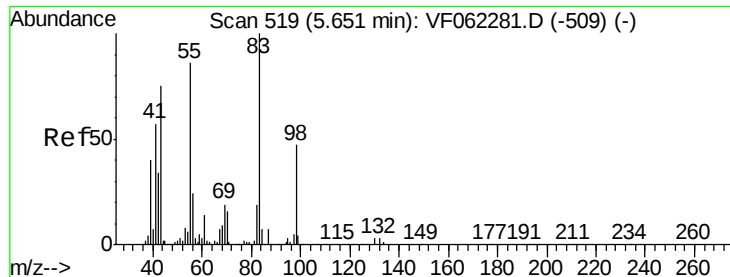
Tot Ion: 43 Resp: 83142
Ion Ratio Lower Upper
43 100
61 165.4 85.8 128.6#
70 10.1 7.3 10.9



#38
Carbon Tetrachloride
Concen: 54.505 ug/l m
RT: 4.18 min Scan# 370
Delta R.T. -0.01 min
Lab File: VF062331.D
Acq: 30 Apr 2019 13:23

Tgt Ion: 117 Resp: 243708
Ion Ratio Lower Upper
117 100
119 94.3 77.3 115.9
121 31.5 24.3 36.5

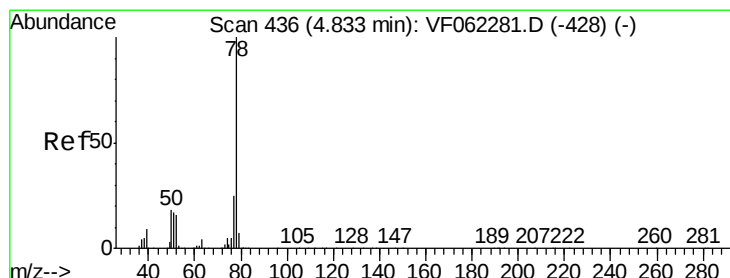
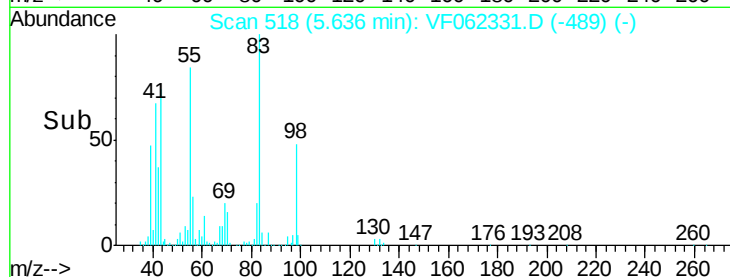
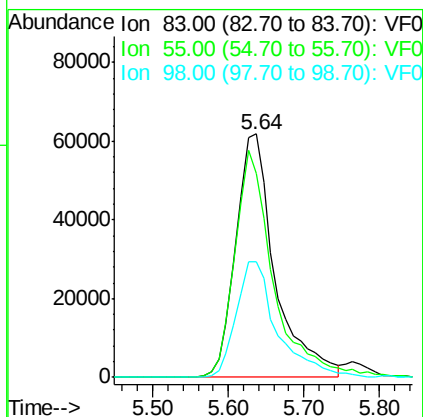
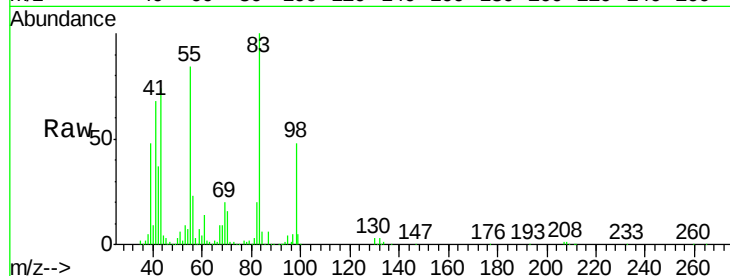




#39
Methvlcvclohexane
Concen: 43.475 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.01 min
Lab File: VF062331.D
Acq: 30 Apr 2019 13:23

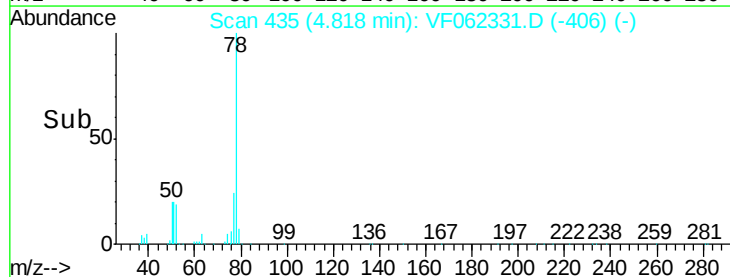
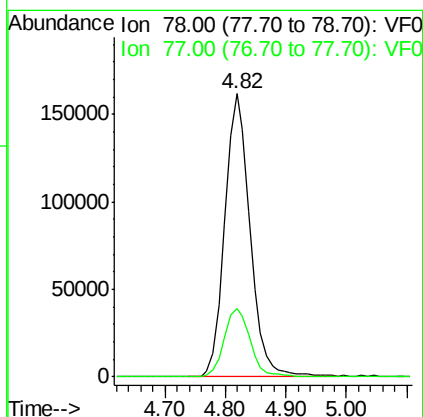
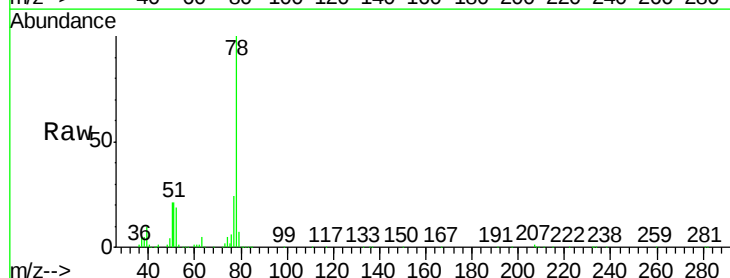
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

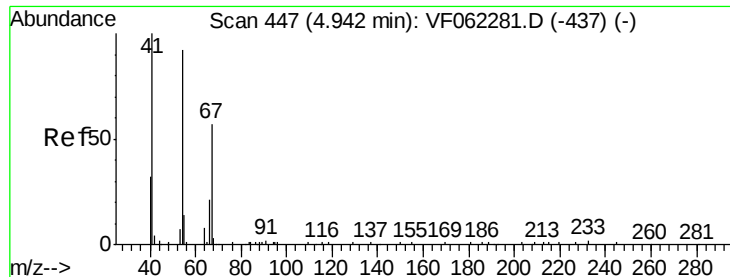
Tot Ion: 83 Resp: 223219
Ion Ratio Lower Upper
83 100
55 83.7 68.7 103.1
98 47.7 37.4 56.2



#40
Benzene
Concen: 44.150 ug/l
RT: 4.82 min Scan# 435
Delta R.T. -0.01 min
Lab File: VF062331.D
Acq: 30 Apr 2019 13:23

Tgt Ion: 78 Resp: 469163
Ion Ratio Lower Upper
78 100
77 24.1 19.7 29.5





#41

Methacrylonitrile

Concen: 43.897 ug/l

RT: 4.93 min Scan# 446

Delta R.T. -0.01 min

Lab File: VF062331.D

Acq: 30 Apr 2019 13:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 45124

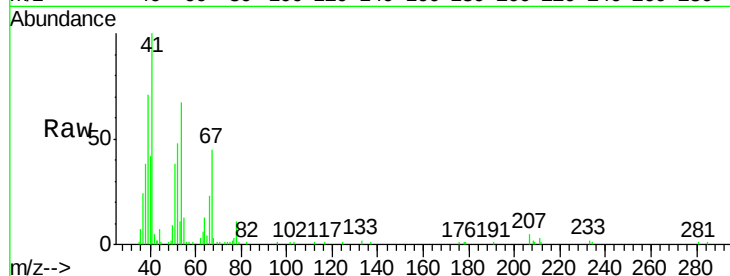
Ion Ratio Lower Upper

41 100

39 71.1 47.3 70.9#

67 48.6 41.3 61.9

52 70.9 49.4 74.2

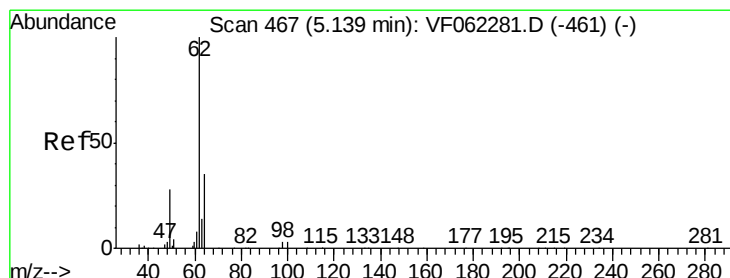
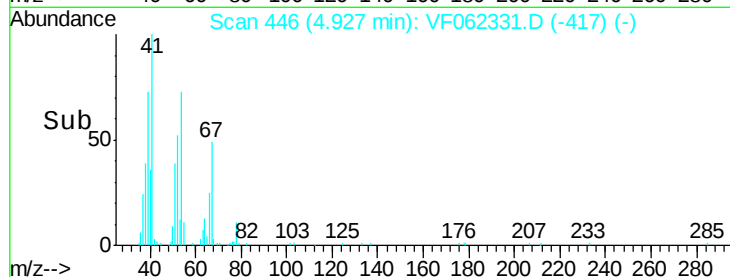
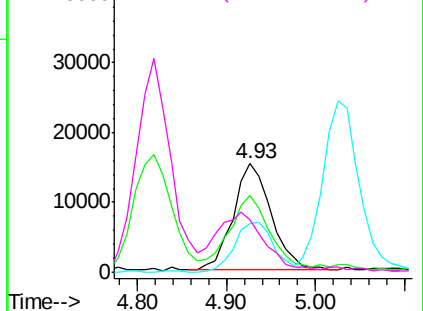


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 56.956 ug/l

RT: 5.12 min Scan# 466

Delta R.T. -0.01 min

Lab File: VF062331.D

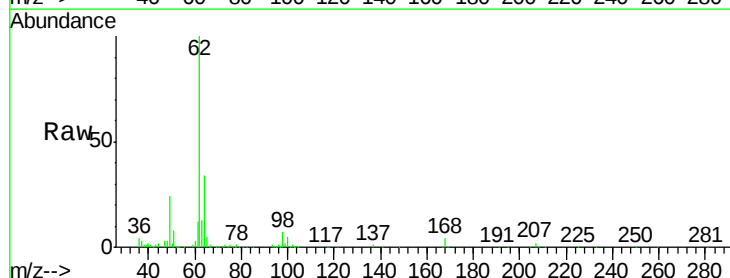
Acq: 30 Apr 2019 13:23

Tgt Ion: 62 Resp: 191744

Ion Ratio Lower Upper

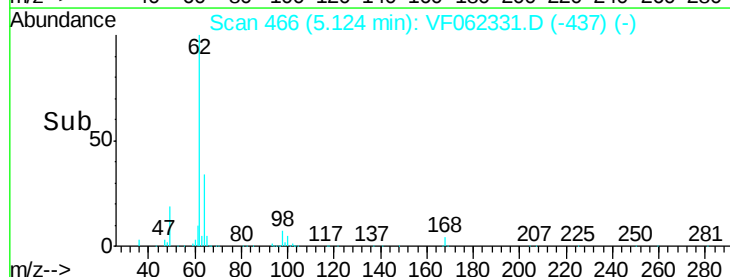
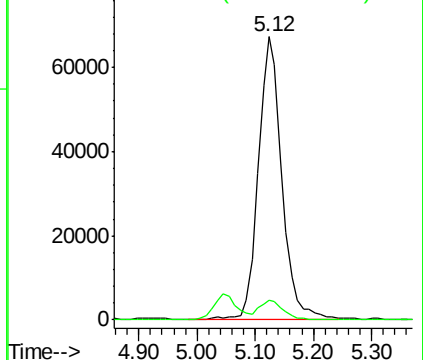
62 100

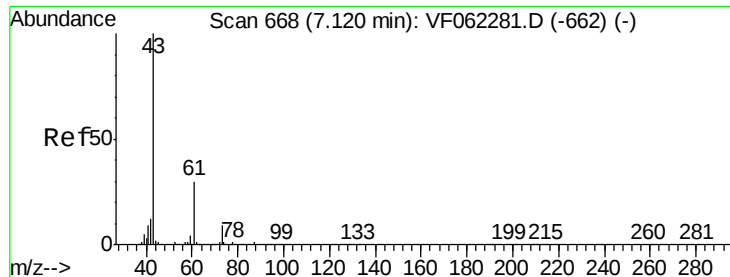
98 7.0 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 97.90 (97.60 to 98.60): VF0



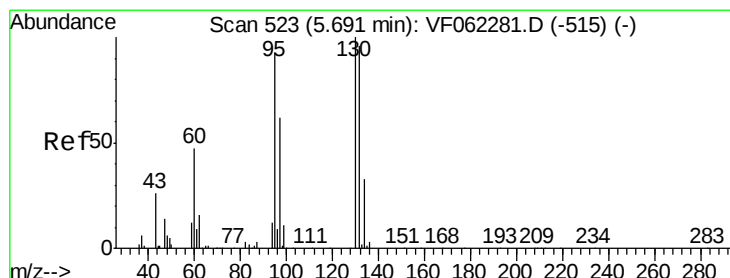
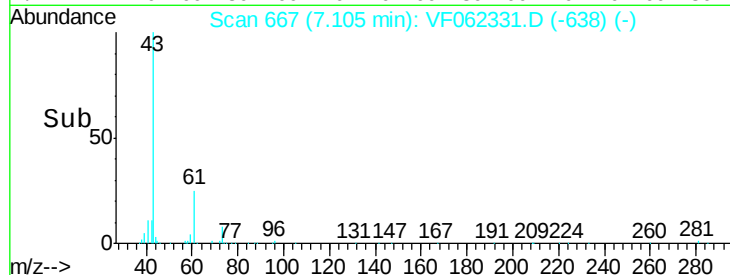
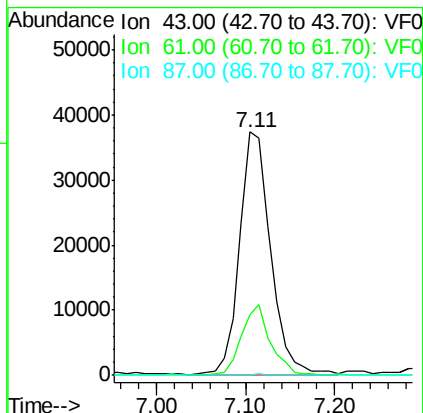
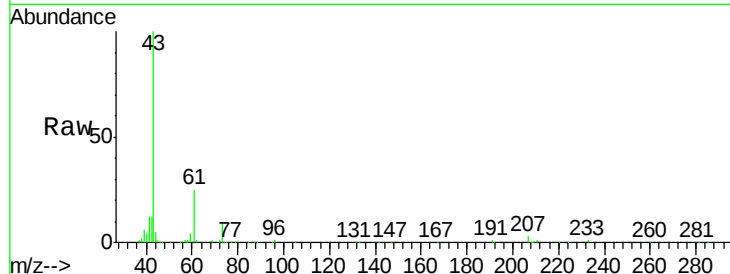


#43

Isopropyl Acetate
 Concen: 47.268 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VF062331.D
 Acq: 30 Apr 2019 13:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

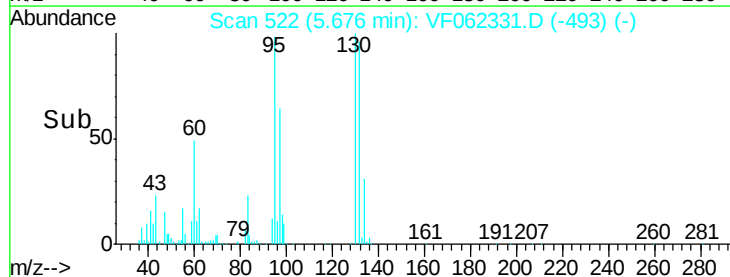
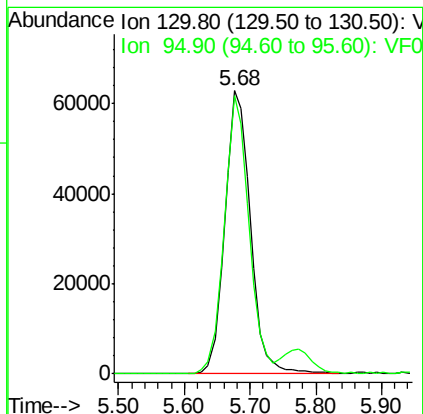
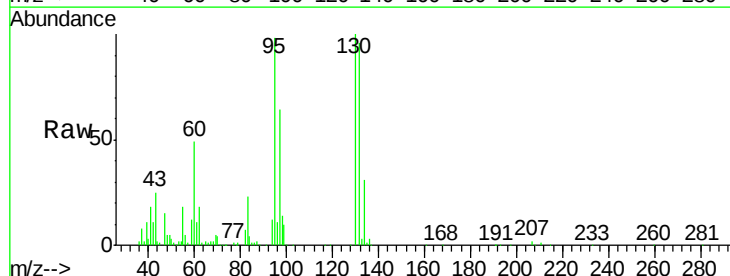
Tot Ion: 43 Resp: 89647
 Ion Ratio Lower Upper
 43 100
 61 27.2 23.8 35.6
 87 0.4 0.5 0.7#

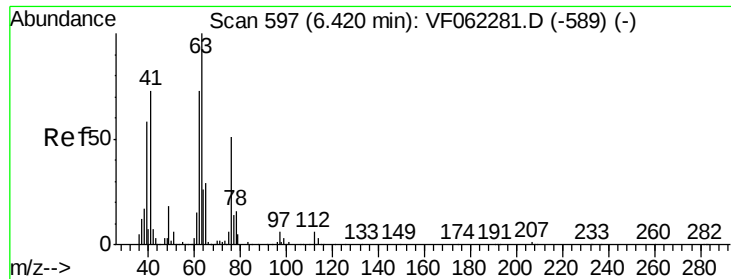


#44

Trichloroethene
 Concen: 47.634 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. -0.01 min
 Lab File: VF062331.D
 Acq: 30 Apr 2019 13:23

Tgt Ion: 130 Resp: 171259
 Ion Ratio Lower Upper
 130 100
 95 98.1 0.0 186.4





#45

1,2-Dichloropropane

Concen: 46.159 ug/l

RT: 6.41 min Scan# 596

Delta R.T. -0.01 min

Lab File: VF062331.D

Acq: 30 Apr 2019 13:23

Instrument :

MSVOA_F

ClientSampleId :

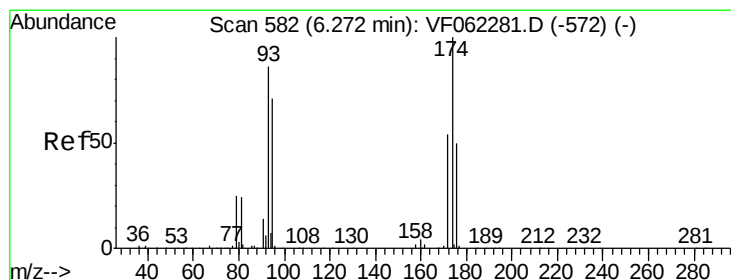
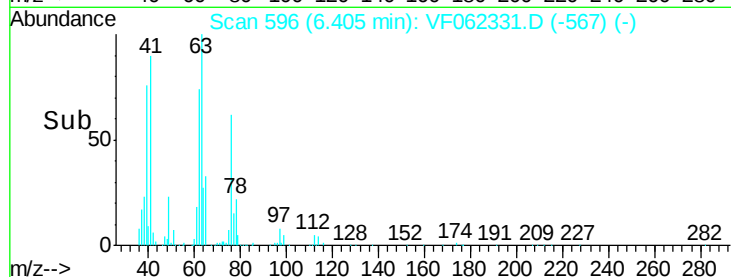
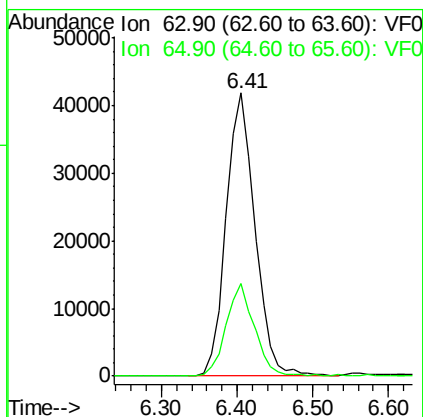
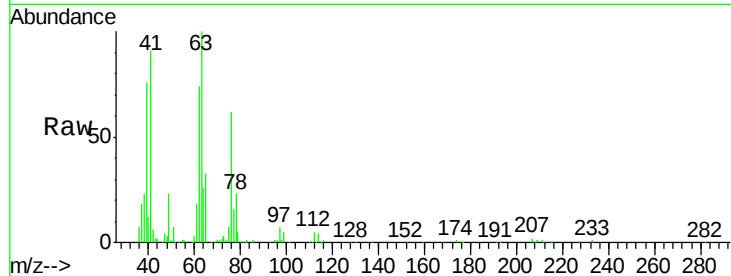
VSTDCCC050

Tot Ion: 63 Resp: 110593

Ion Ratio Lower Upper

63 100

65 32.5 23.5 35.3



#46

Dibromomethane

Concen: 52.261 ug/l

RT: 6.26 min Scan# 581

Delta R.T. -0.01 min

Lab File: VF062331.D

Acq: 30 Apr 2019 13:23

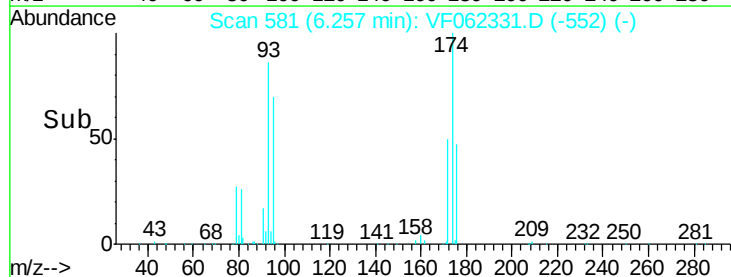
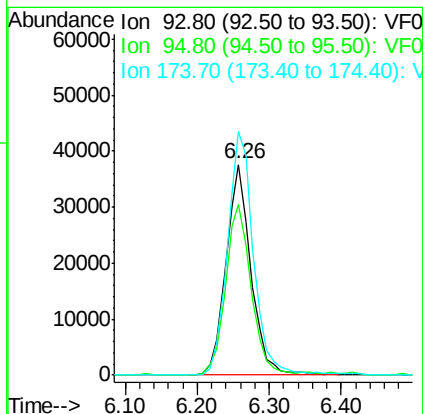
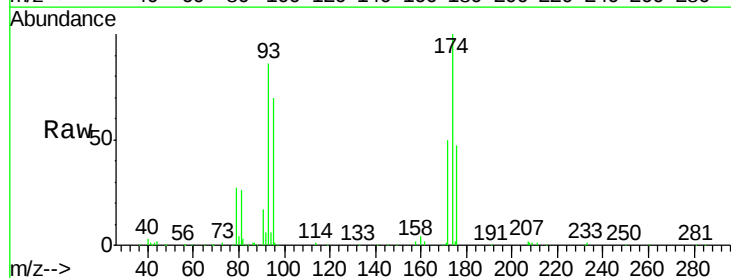
Tgt Ion: 93 Resp: 90414

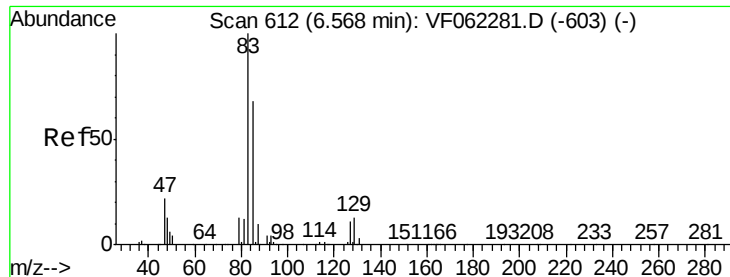
Ion Ratio Lower Upper

93 100

95 83.3 66.2 99.4

174 119.2 94.9 142.3





#47

Bromodichloromethane

Concen: 55.987 ug/l

RT: 6.54 min Scan# 610

Delta R.T. -0.02 min

Lab File: VF062331.D

Acq: 30 Apr 2019 13:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

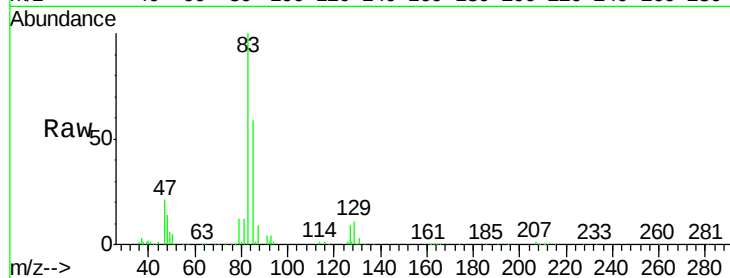
Tot Ion: 83 Resp: 227703

Ion Ratio Lower Upper

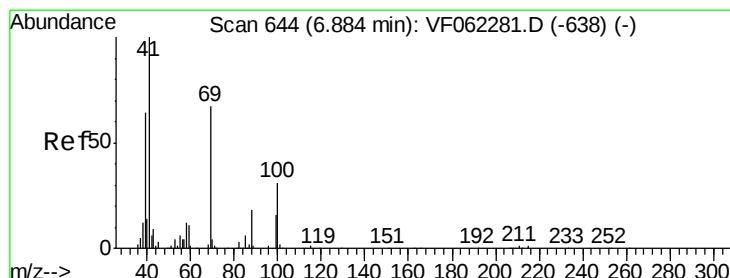
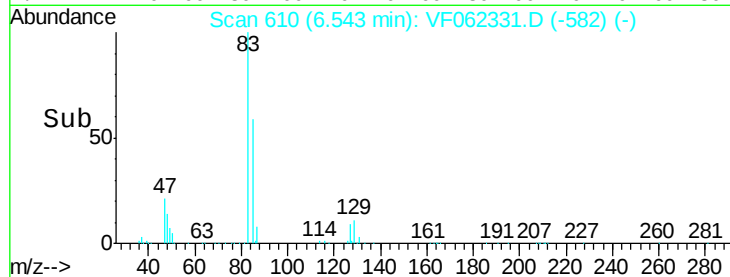
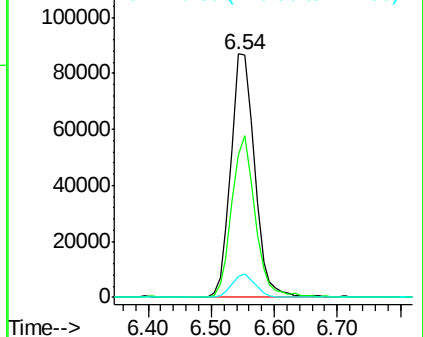
83 100

85 58.6 54.6 81.8

127 8.6 8.7 13.1#



Abundance Ion 82.90 (82.60 to 83.60): VF0
Ion 84.90 (84.60 to 85.60): VF0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 49.206 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.01 min

Lab File: VF062331.D

Acq: 30 Apr 2019 13:23

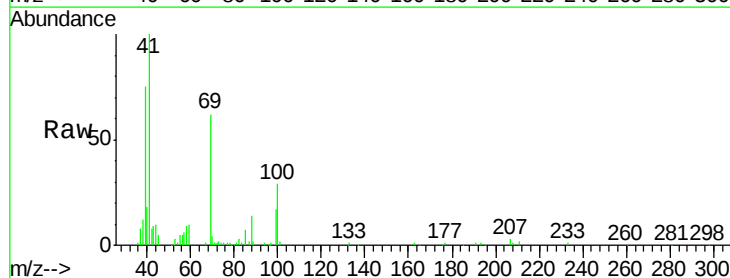
Tgt Ion: 41 Resp: 66706

Ion Ratio Lower Upper

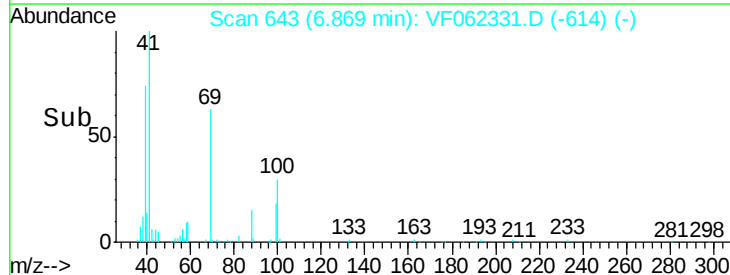
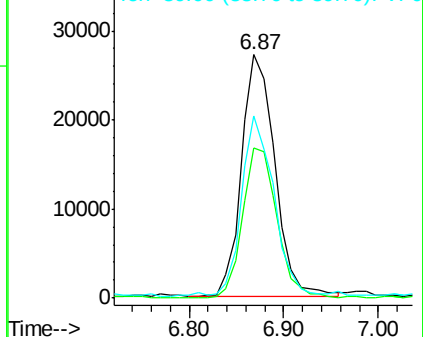
41 100

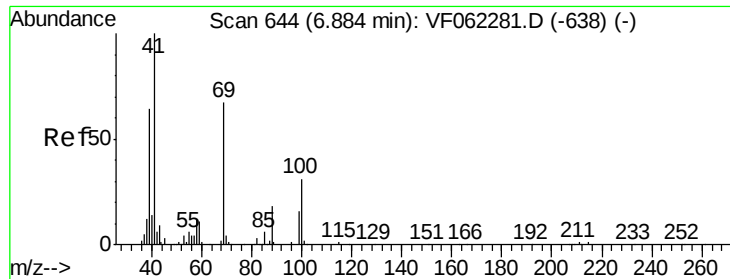
69 63.8 53.4 80.2

39 71.7 50.9 76.3



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: 819.973 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.02 min

Lab File: VF062331.D

Acq: 30 Apr 2019 13:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

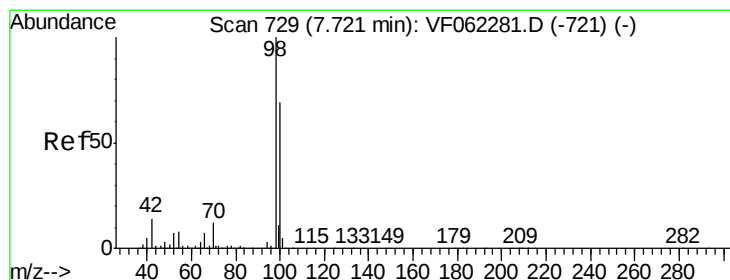
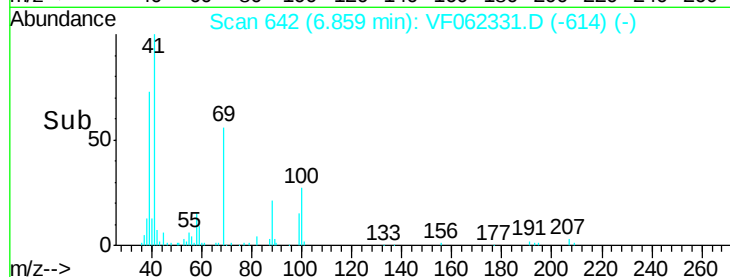
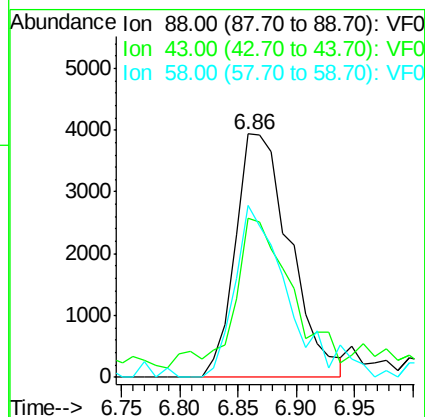
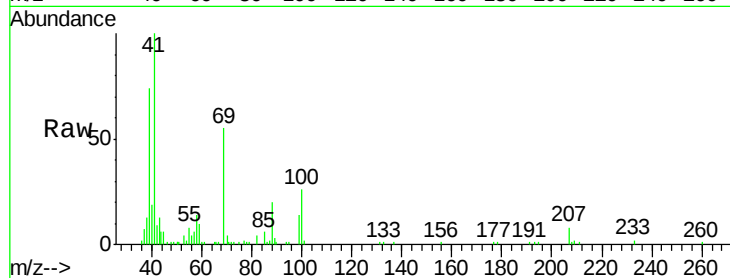
Tot Ion: 88 Resp: 12800

Ion Ratio Lower Upper

88 100

43 65.2 34.2 51.4#

58 69.0 50.7 76.1



#50

Toluene-d8

Concen: 49.341 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.01 min

Lab File: VF062331.D

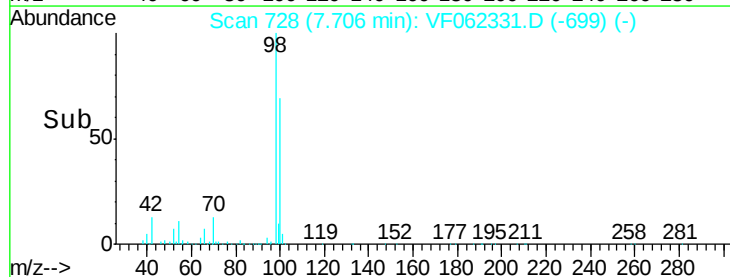
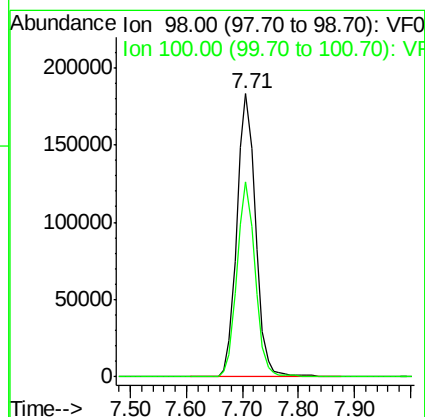
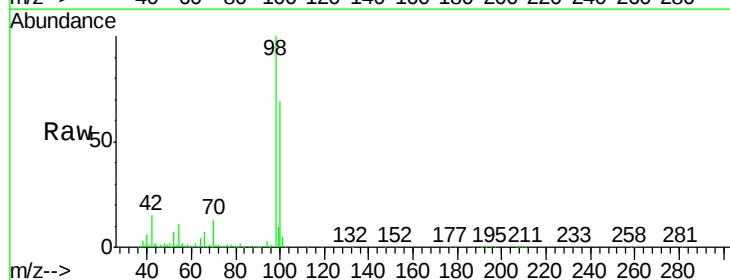
Acq: 30 Apr 2019 13:23

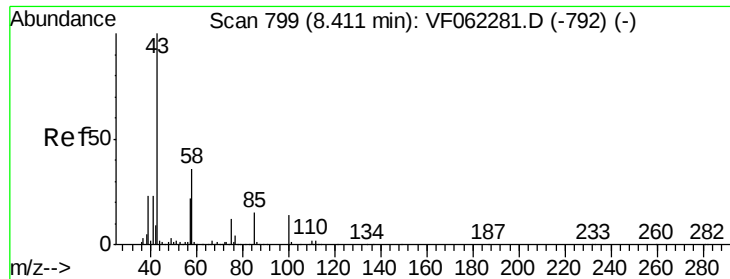
Tgt Ion: 98 Resp: 426012

Ion Ratio Lower Upper

98 100

100 67.1 54.4 81.6





#51

4-Methyl-2-Pentanone

Concen: 234.045 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF062331.D

Acq: 30 Apr 2019 13:23

Instrument :

MSVOA_F

ClientSampleId :

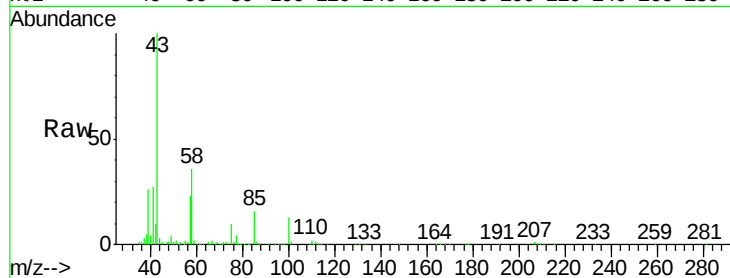
VSTDCCC050

Tot Ion: 43 Resp: 341222

Ion Ratio Lower Upper

43 100

58 34.8 29.1 43.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.40

150000

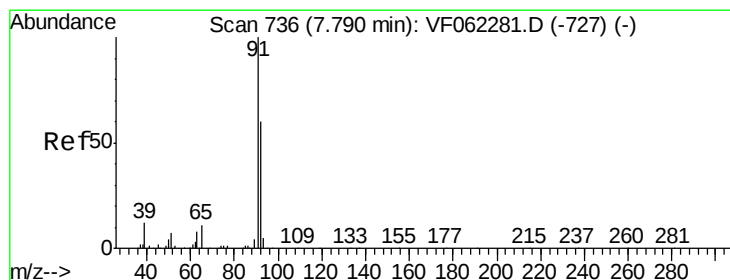
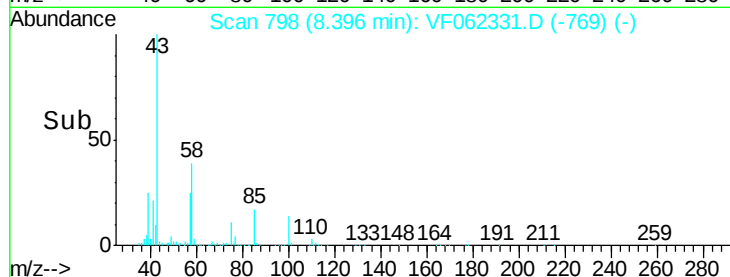
100000

50000

0

Time-->

8.30 8.40 8.50



#52

Toluene

Concen: 48.905 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF062331.D

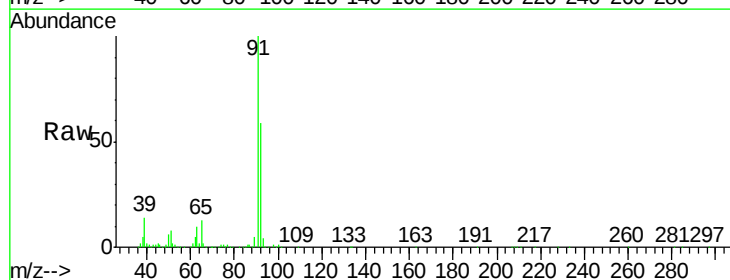
Acq: 30 Apr 2019 13:23

Tgt Ion: 92 Resp: 299882

Ion Ratio Lower Upper

92 100

91 165.8 132.5 198.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

250000

200000

150000

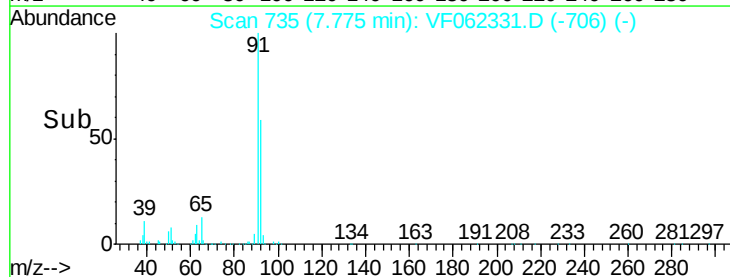
100000

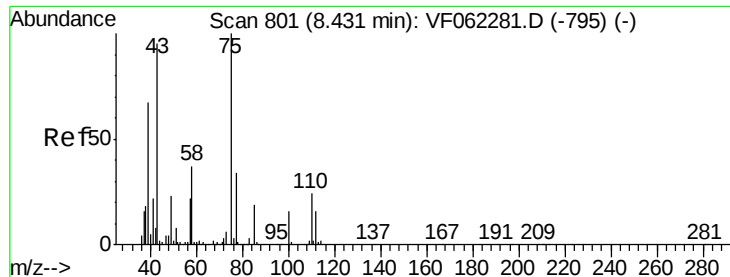
50000

0

Time-->

7.60 7.70 7.80 7.90 8.00

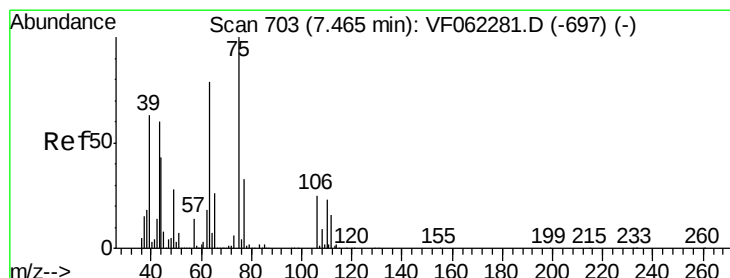
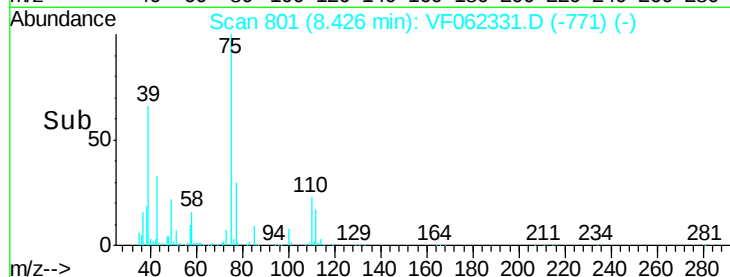
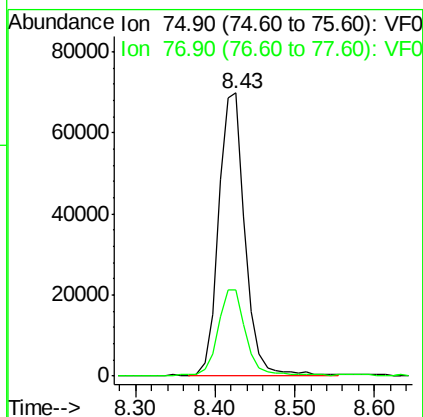
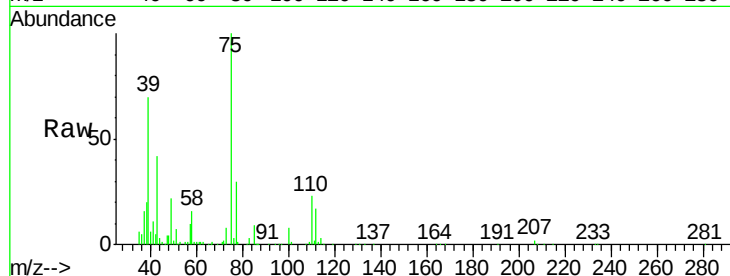




#53
 t-1,3-Dichloropropene
 Concen: 53.818 ug/l
 RT: 8.43 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: VF062331.D
 Acq: 30 Apr 2019 13:23

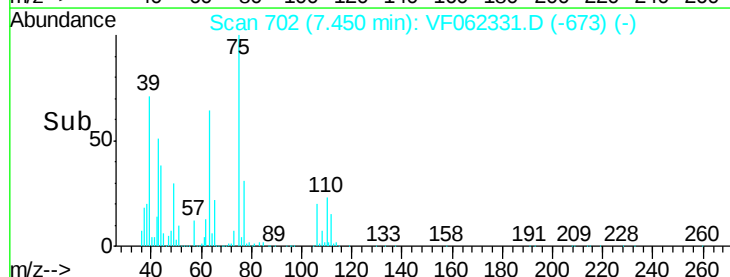
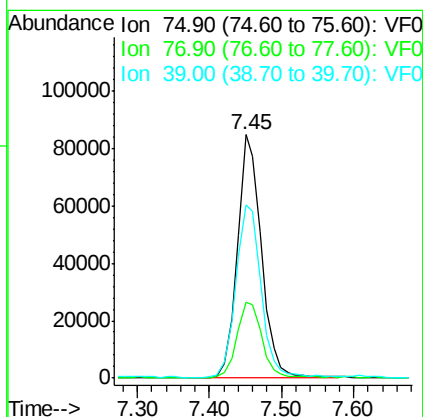
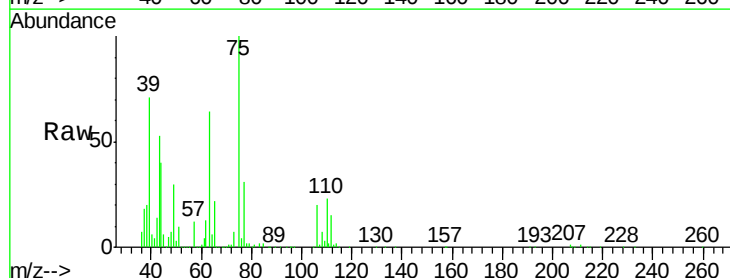
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

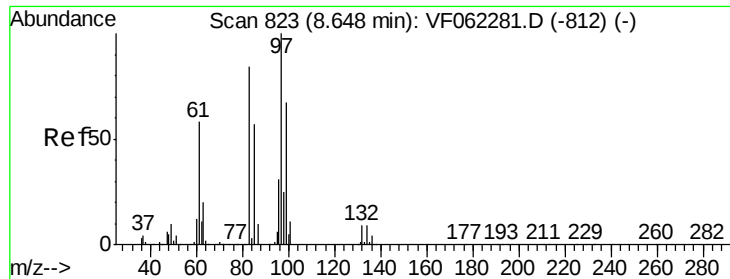
Tot Ion: 75 Resp: 160953
 Ion Ratio Lower Upper
 75 100
 77 30.0 26.9 40.3



#54
 cis-1,3-Dichloropropene
 Concen: 51.664 ug/l
 RT: 7.45 min Scan# 702
 Delta R.T. -0.02 min
 Lab File: VF062331.D
 Acq: 30 Apr 2019 13:23

Tgt Ion: 75 Resp: 197940
 Ion Ratio Lower Upper
 75 100
 77 31.2 26.5 39.7
 39 70.8 50.2 75.2





#55

1,1,2-Trichloroethane

Concen: 51.863 ug/l

RT: 8.63 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF062331.D

Acq: 30 Apr 2019 13:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 90320

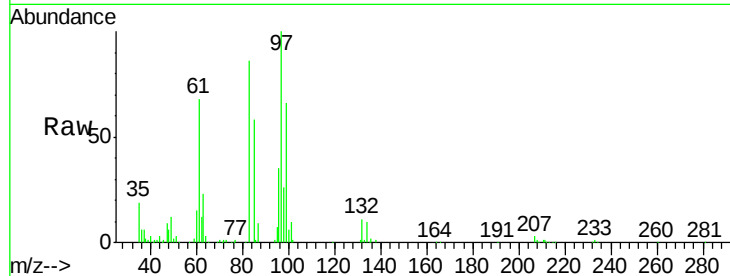
Ion Ratio Lower Upper

97 100

83 85.6 67.5 101.3

85 58.2 45.3 67.9

99 66.3 53.4 80.0

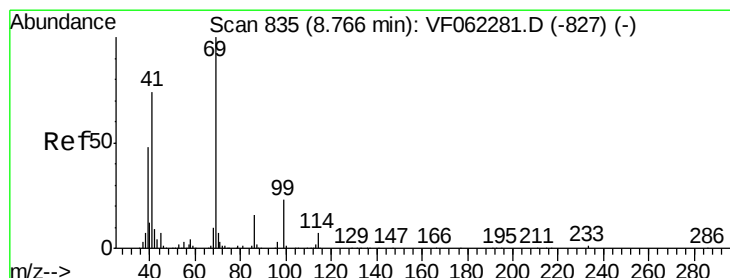
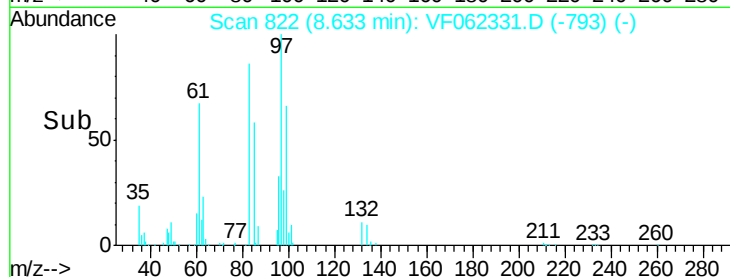
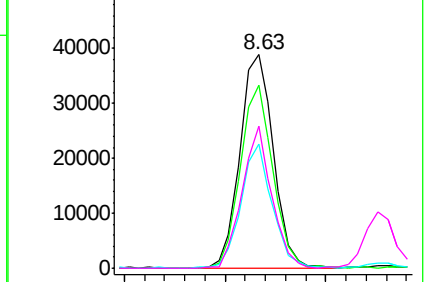


Abundance Ion 96.90 (96.60 to 97.60): VF0

Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 98.90 (98.60 to 99.60): VF0



#56

Ethyl methacrylate

Concen: 46.105 ug/l

RT: 8.75 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF062331.D

Acq: 30 Apr 2019 13:23

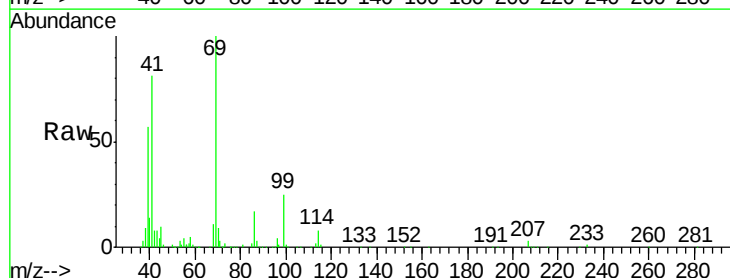
Tgt Ion: 69 Resp: 88210

Ion Ratio Lower Upper

69 100

41 78.0 61.5 92.3

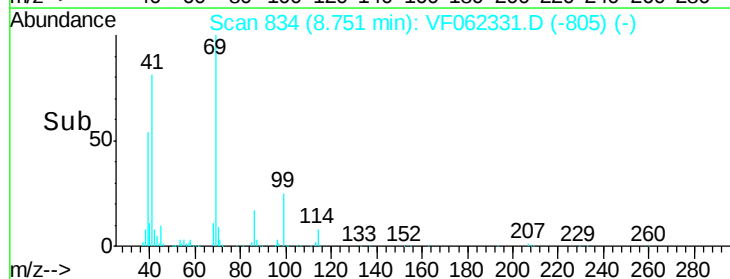
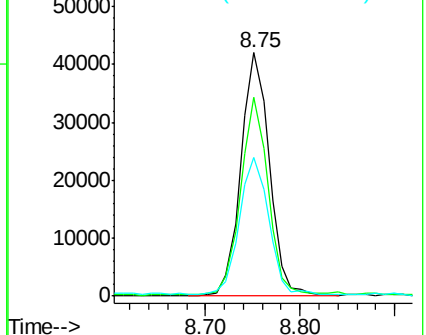
39 57.5 37.9 56.9#

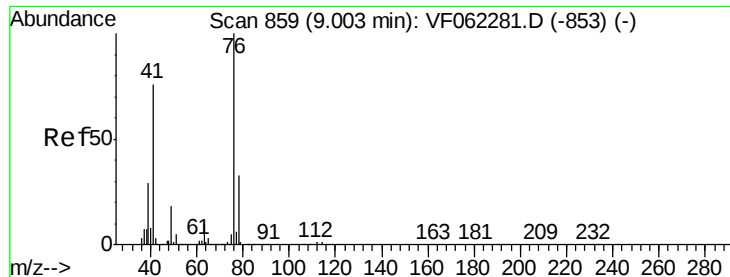


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 48.699 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.01 min

Lab File: VF062331.D

Acq: 30 Apr 2019 13:23

Instrument :

MSVOA_F

ClientSampleId :

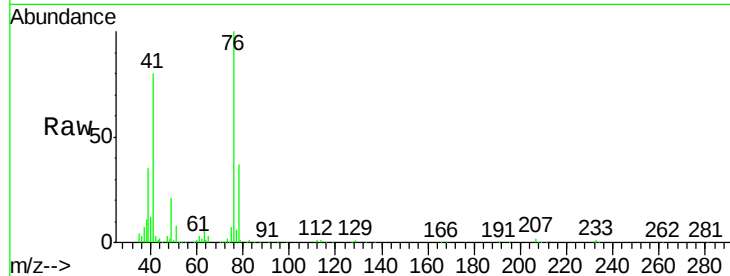
VSTDCCC050

Tot Ion: 76 Resp: 133347

Ion Ratio Lower Upper

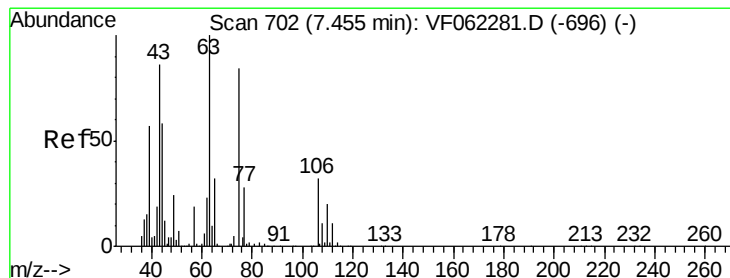
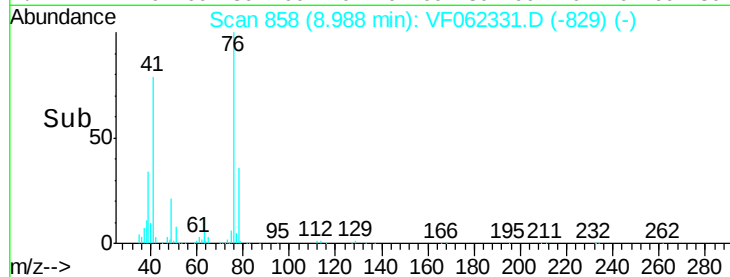
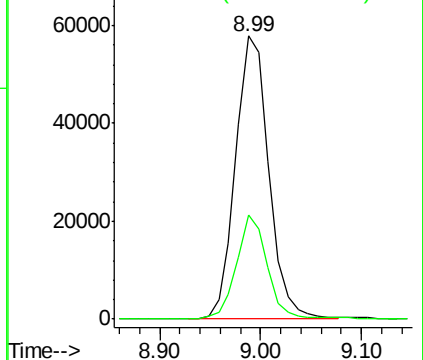
76 100

78 34.4 27.0 40.6



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 220.010 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF062331.D

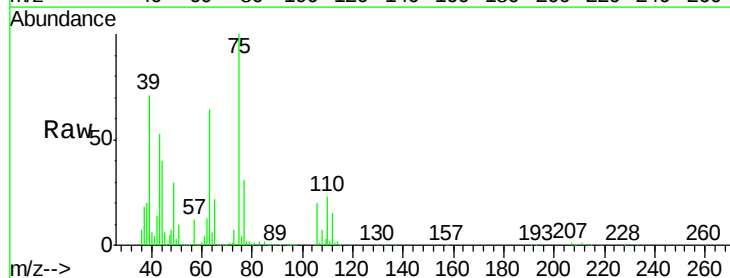
Acq: 30 Apr 2019 13:23

Tgt Ion: 63 Resp: 128085

Ion Ratio Lower Upper

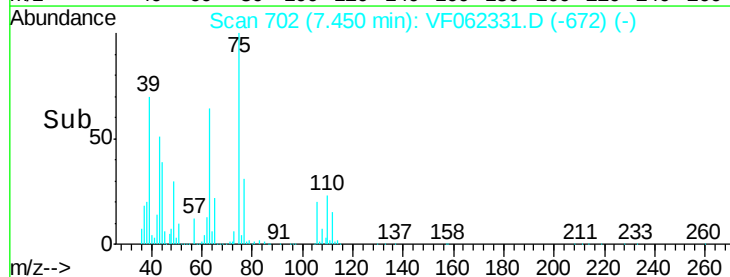
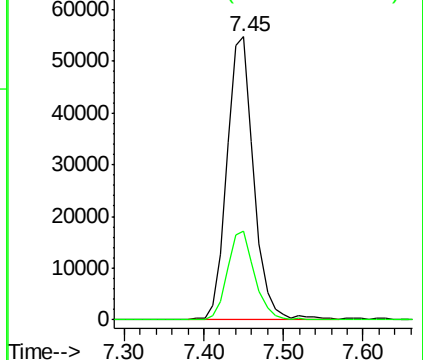
63 100

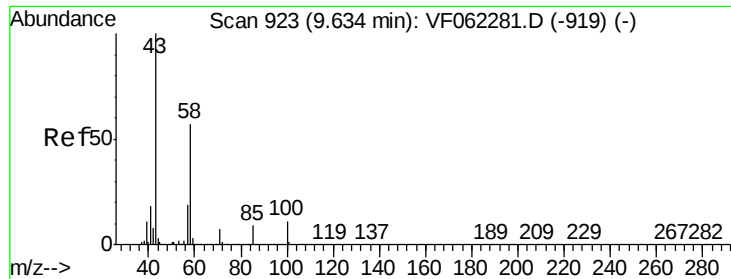
106 32.1 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 105.90 (105.60 to 106.60): V

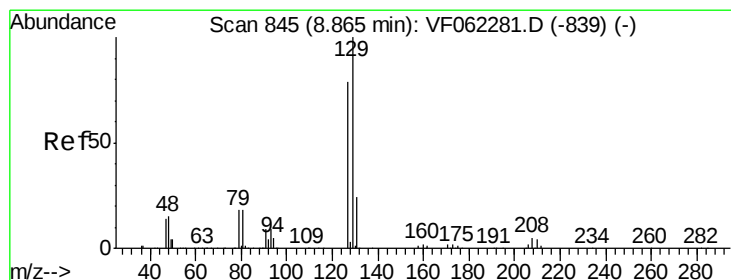
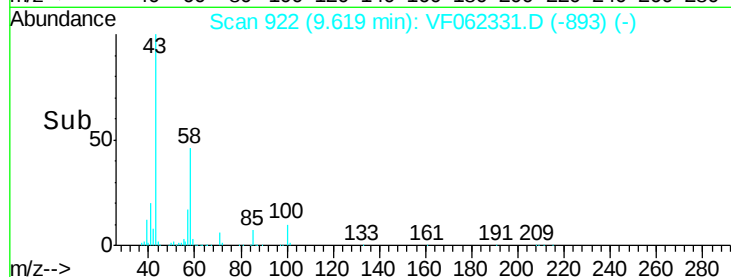
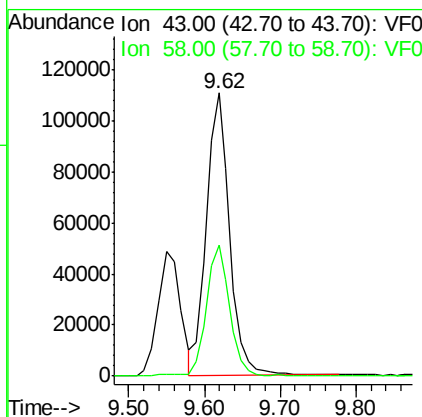
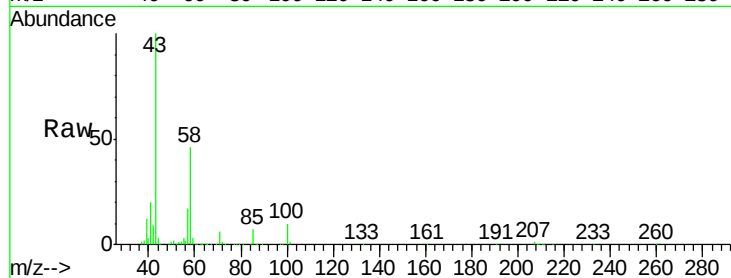




#59
2-Hexanone
Concen: 266.659 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF062331.D
Acq: 30 Apr 2019 13:23

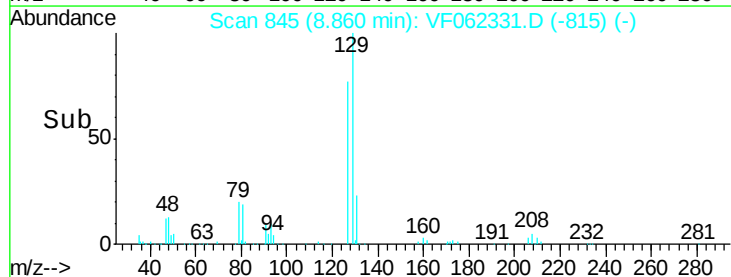
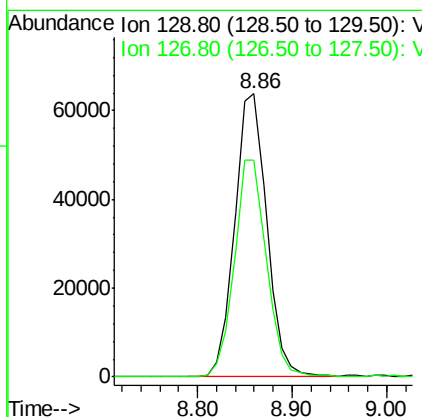
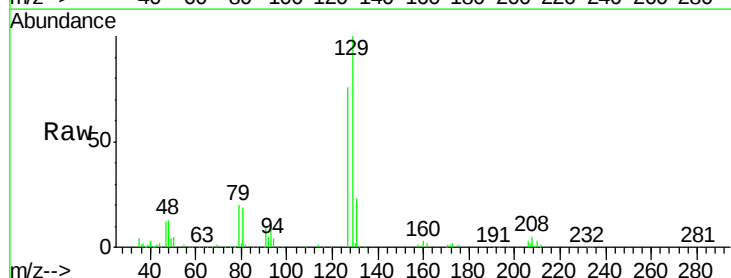
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

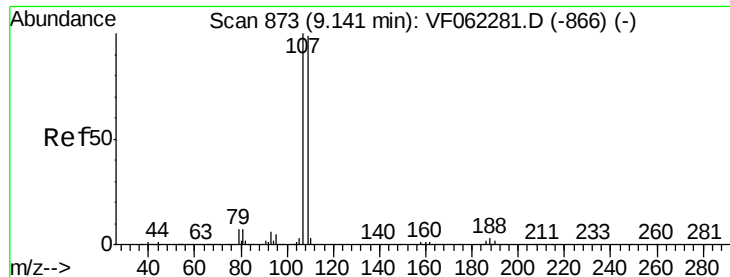
Tot Ion: 43 Resp: 236469
Ion Ratio Lower Upper
43 100
58 47.4 24.9 74.7



#60
Dibromochloromethane
Concen: 53.143 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.01 min
Lab File: VF062331.D
Acq: 30 Apr 2019 13:23

Tgt Ion:129 Resp: 150208
Ion Ratio Lower Upper
129 100
127 76.8 38.8 116.4





#61

1,2-Dibromoethane

Concen: 51.220 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF062331.D

Acq: 30 Apr 2019 13:23

Instrument :

MSVOA_F

ClientSampleId :

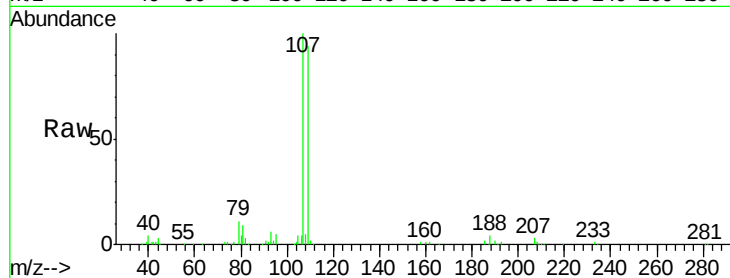
VSTDCCC050

Tot Ion:107 Resp: 103239

Ion Ratio Lower Upper

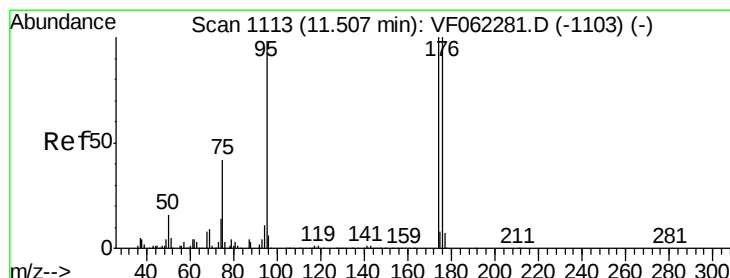
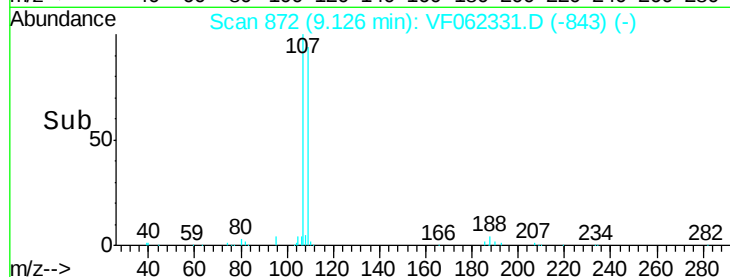
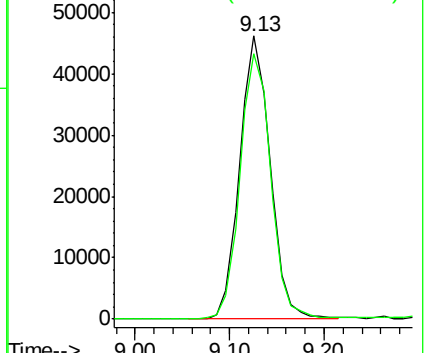
107 100

109 94.7 78.7 118.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.441 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF062331.D

Acq: 30 Apr 2019 13:23

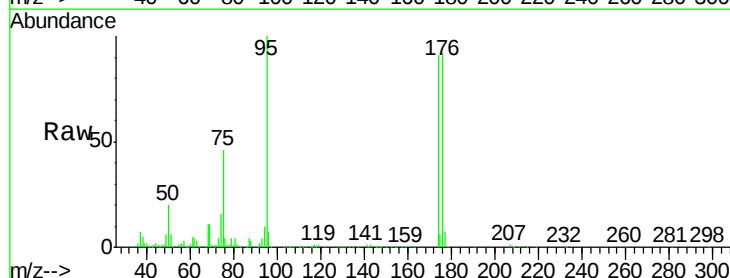
Tgt Ion: 95 Resp: 183071

Ion Ratio Lower Upper

95 100

174 95.4 0.0 185.2

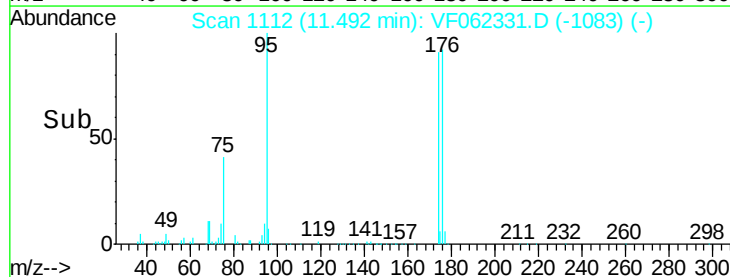
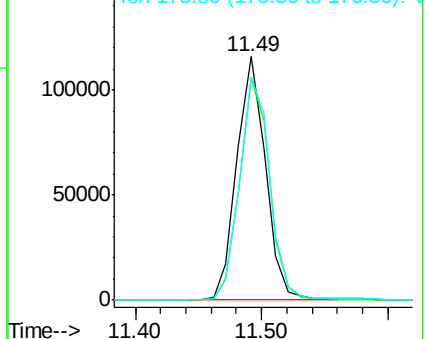
176 96.8 0.0 184.8

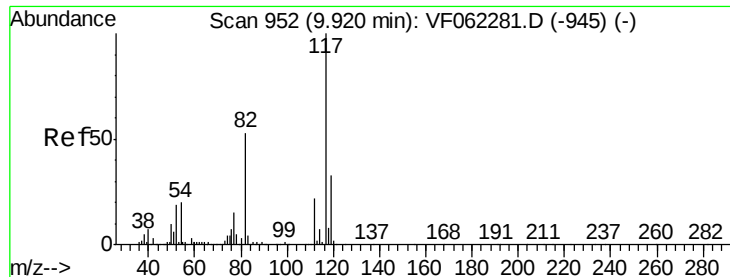


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

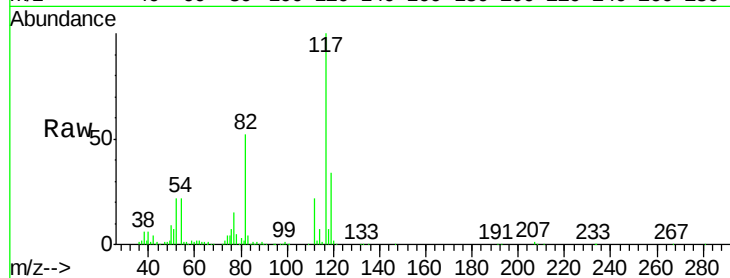




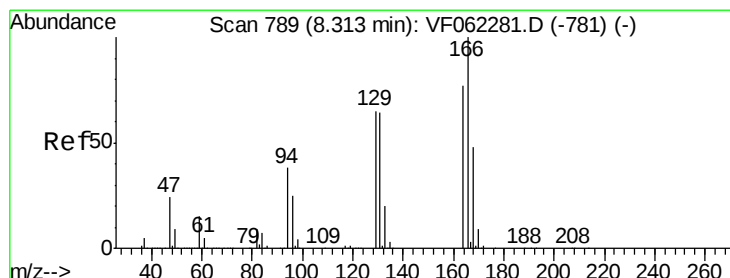
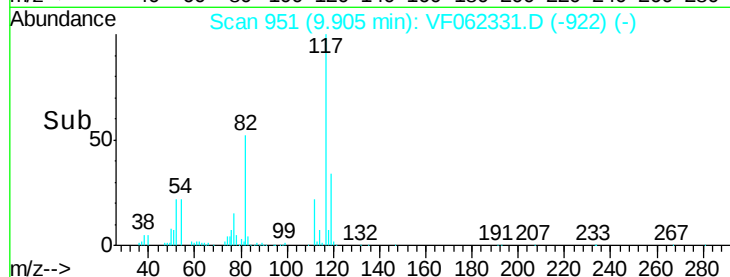
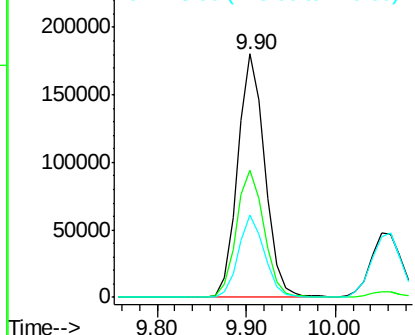
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF062331.D
Acq: 30 Apr 2019 13:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 381912
Ion Ratio Lower Upper
117 100
82 52.4 42.6 64.0
119 33.8 26.1 39.1

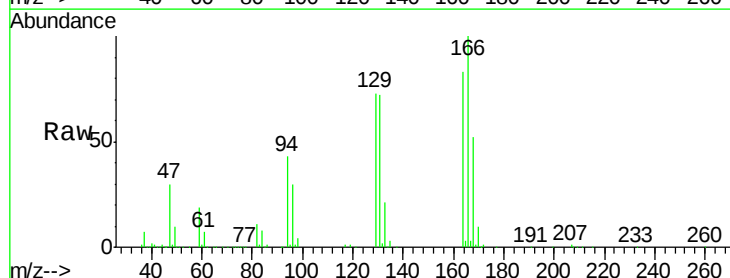


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 118.90 (118.60 to 119.60): V

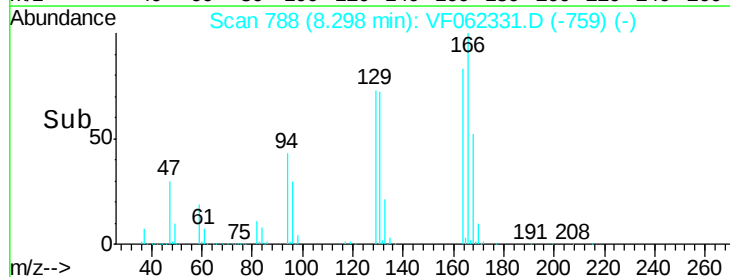
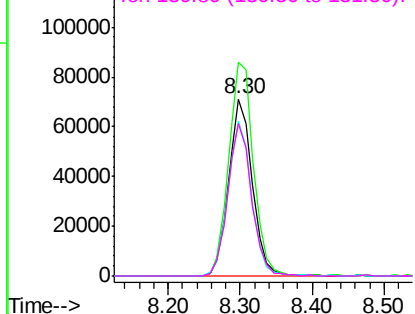


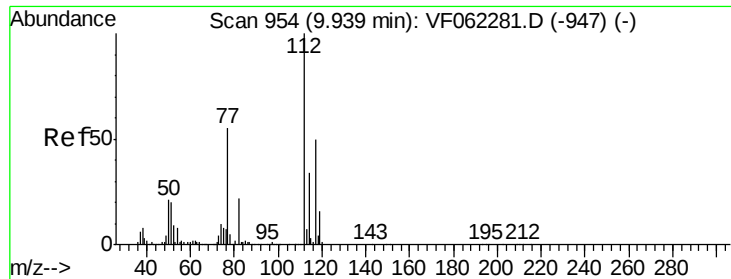
#64
Tetrachloroethene
Concen: 51.047 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF062331.D
Acq: 30 Apr 2019 13:23

Tgt Ion:164 Resp: 163065
Ion Ratio Lower Upper
164 100
166 120.7 103.5 155.3
129 87.7 67.6 101.4
131 86.3 66.1 99.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

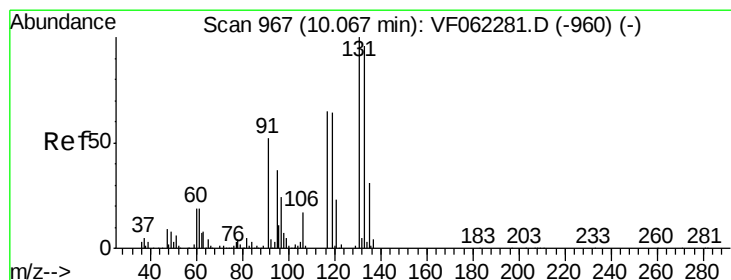
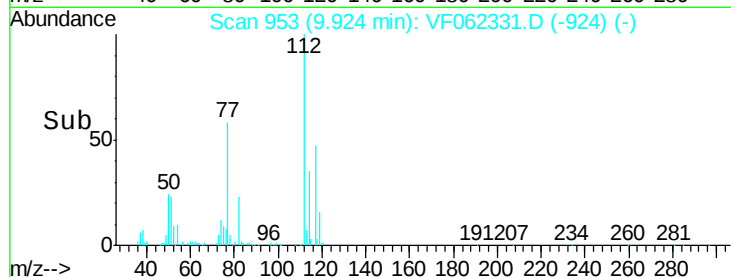
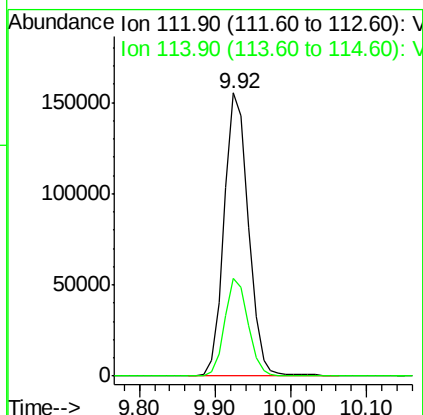
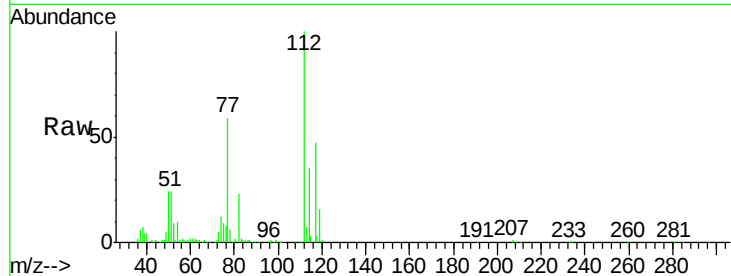




#65
Chlorobenzene
Concen: 49.597 ug/l
RT: 9.92 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF062331.D
Acq: 30 Apr 2019 13:23

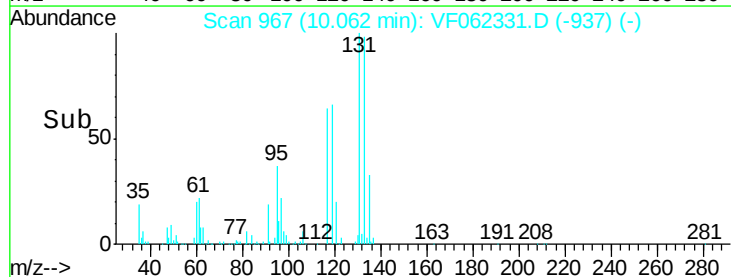
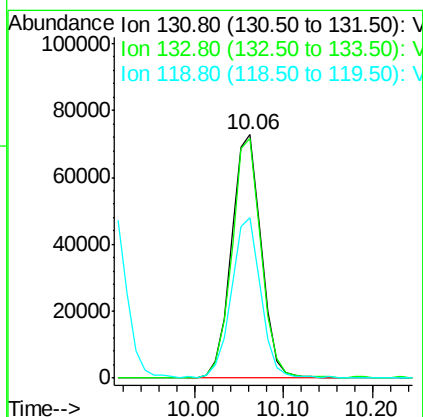
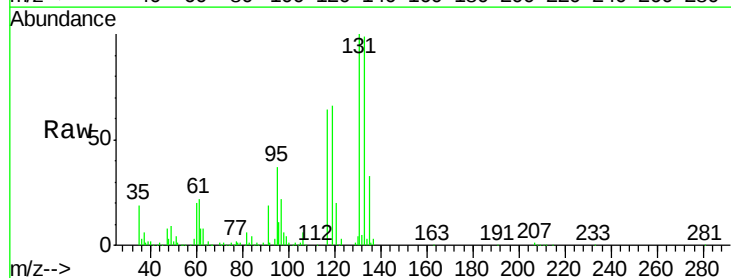
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

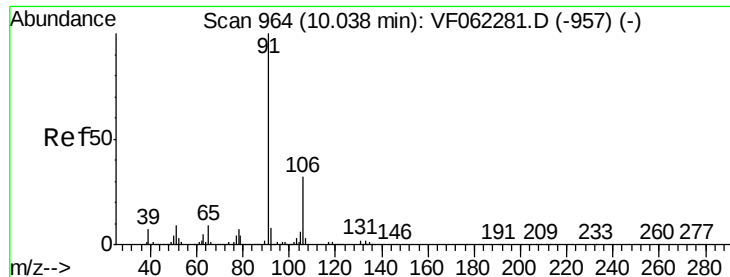
Tot Ion:112 Resp: 346138
Ion Ratio Lower Upper
112 100
114 34.6 27.0 40.6



#66
1,1,1,2-Tetrachloroethane
Concen: 51.737 ug/l
RT: 10.06 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF062331.D
Acq: 30 Apr 2019 13:23

Tgt Ion:131 Resp: 170073
Ion Ratio Lower Upper
131 100
133 97.2 48.5 145.5
119 64.6 32.9 98.7





#67

Ethyl Benzene

Concen: 49.644 ug/l

RT: 10.02 min Scan# 963

Delta R.T. -0.01 min

Lab File: VF062331.D

Acq: 30 Apr 2019 13:23

Instrument :

MSVOA_F

ClientSampleId :

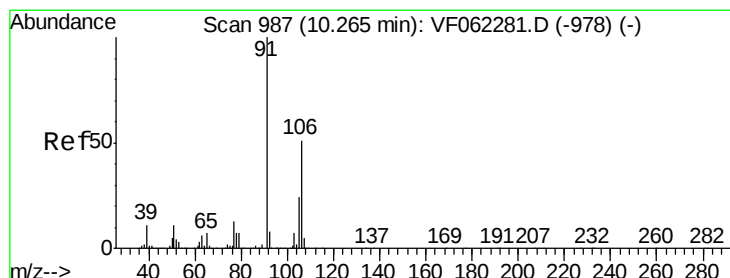
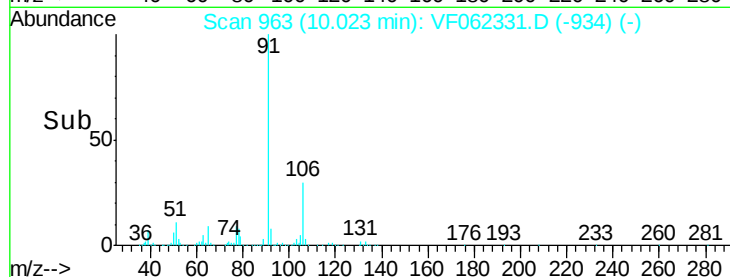
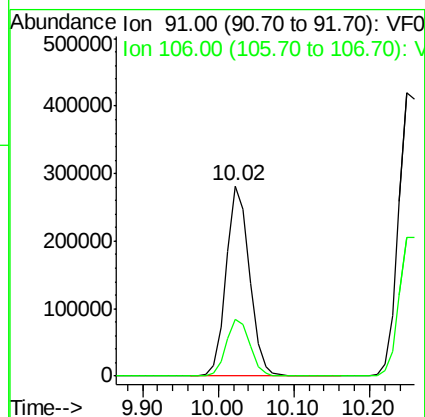
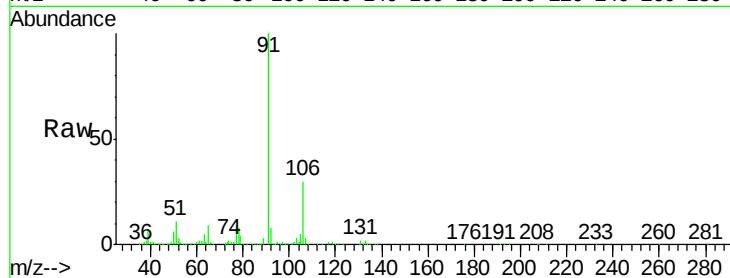
VSTDCCC050

Tot Ion: 91 Resp: 602334

Ion Ratio Lower Upper

91 100

106 30.1 25.6 38.4



#68

m/p-Xylenes

Concen: 101.064 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF062331.D

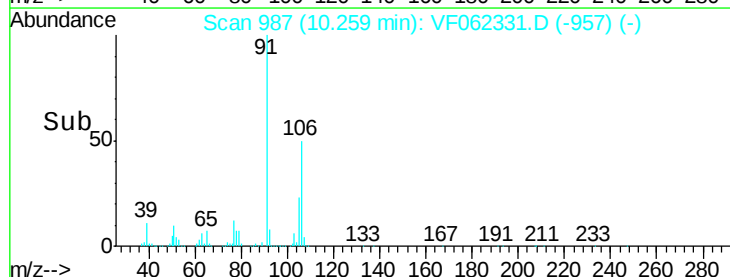
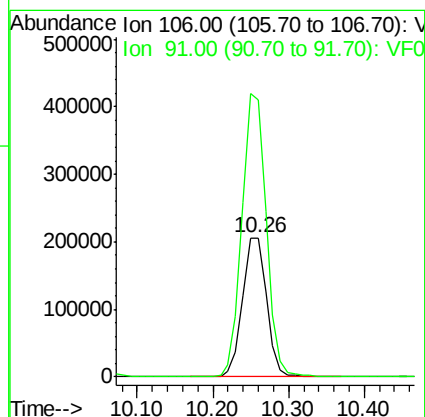
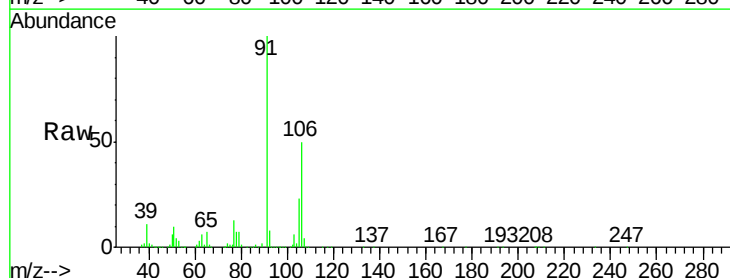
Acq: 30 Apr 2019 13:23

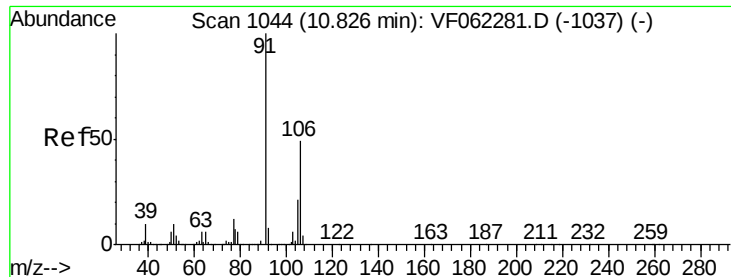
Tgt Ion: 106 Resp: 456528

Ion Ratio Lower Upper

106 100

91 203.9 158.3 237.5

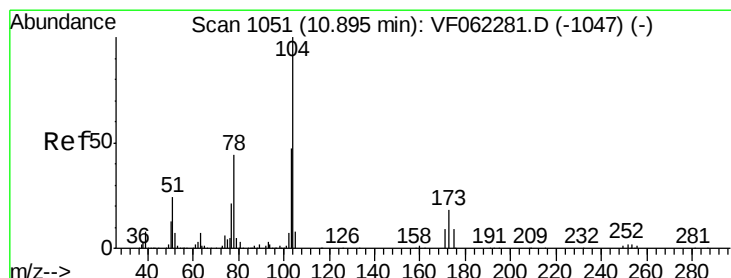
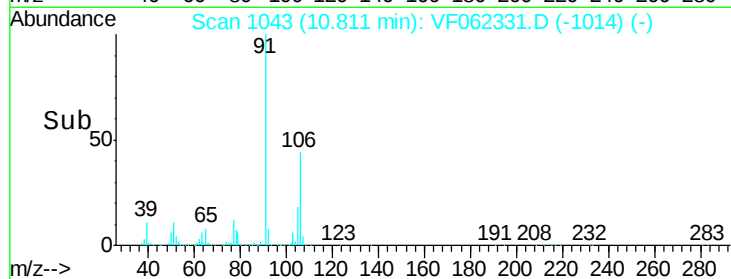
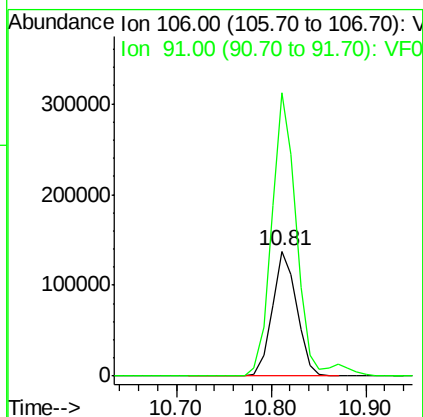
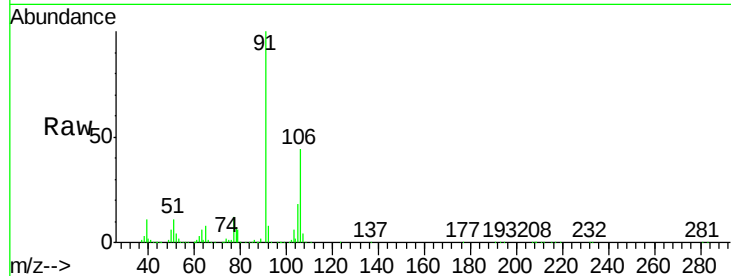




#69
o-Xylene
Concen: 49.437 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VF062331.D
Acq: 30 Apr 2019 13:23

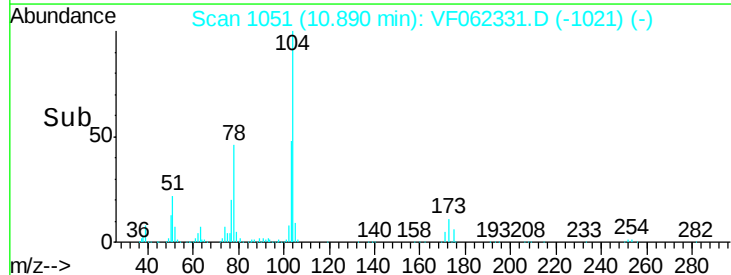
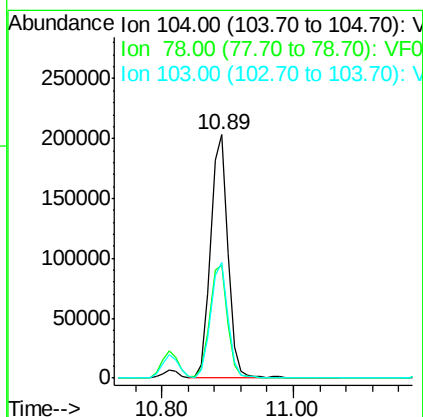
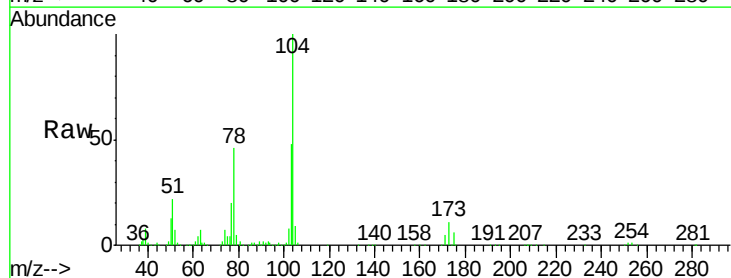
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

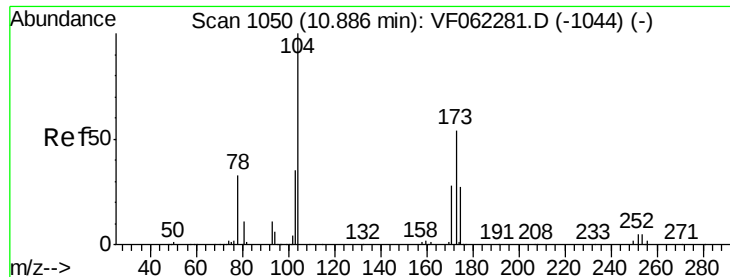
Tot Ion:106 Resp: 249496
Ion Ratio Lower Upper
106 100
91 223.0 110.0 330.0



#70
Styrene
Concen: 49.794 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VF062331.D
Acq: 30 Apr 2019 13:23

Tgt Ion:104 Resp: 363272
Ion Ratio Lower Upper
104 100
78 47.2 35.9 53.9
103 48.0 37.5 56.3





#71

Bromoform

Concen: 51.601 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VF062331.D

Acq: 30 Apr 2019 13:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

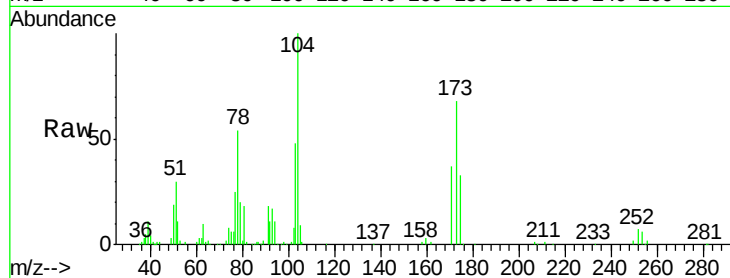
Tot Ion:173 Resp: 95481

Ion Ratio Lower Upper

173 100

175 48.7 25.3 75.9

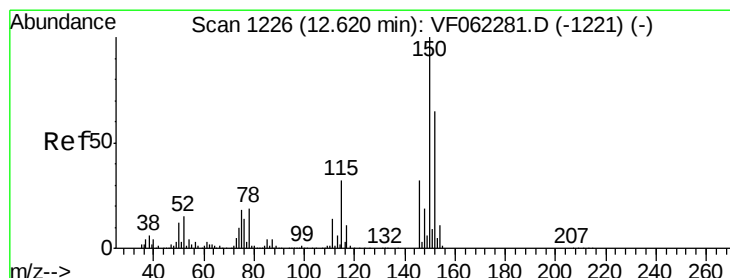
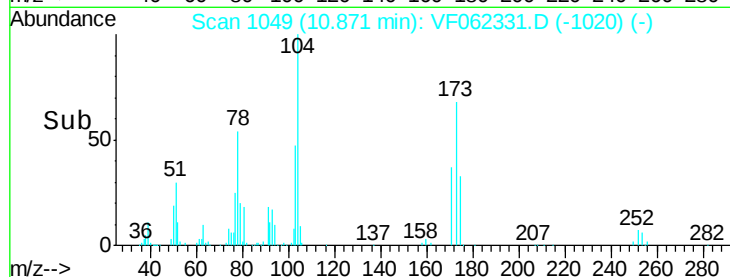
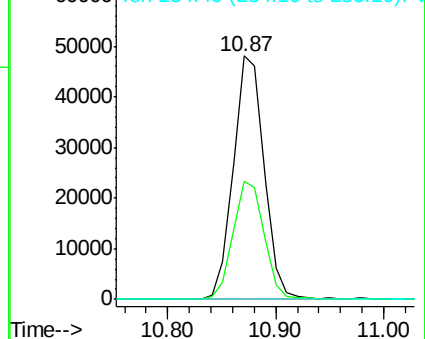
254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.01 min

Lab File: VF062331.D

Acq: 30 Apr 2019 13:23

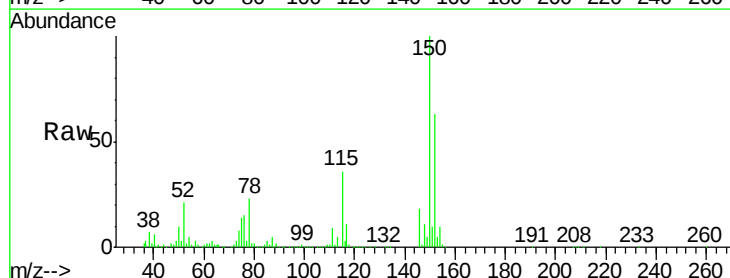
Tgt Ion:152 Resp: 219462

Ion Ratio Lower Upper

152 100

115 52.9 25.6 76.8

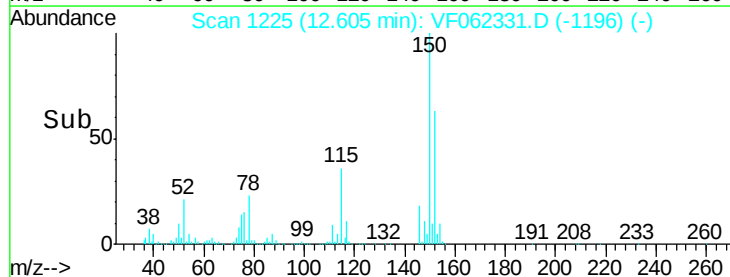
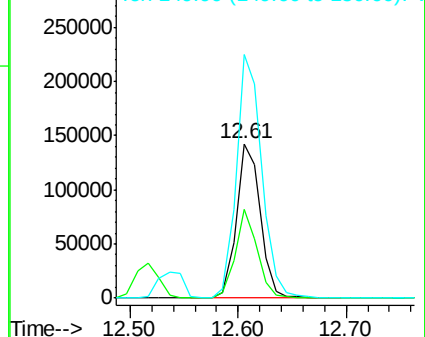
150 167.2 0.0 330.6

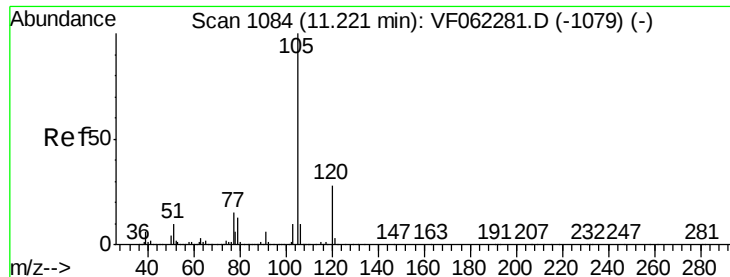


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.502 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VF062331.D

Acq: 30 Apr 2019 13:23

Instrument :

MSVOA_F

ClientSampleId :

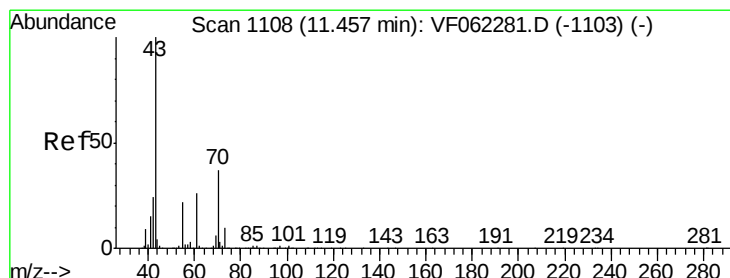
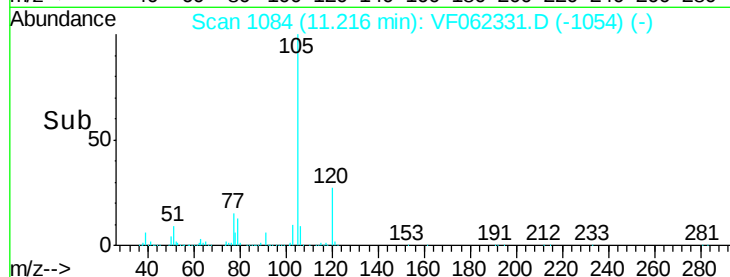
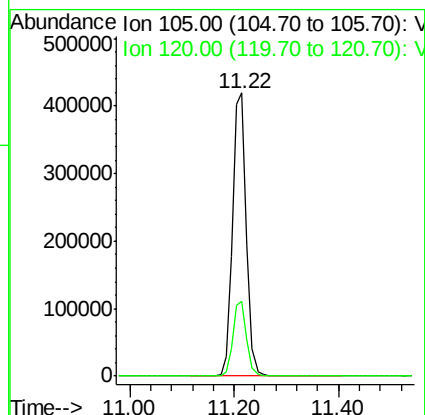
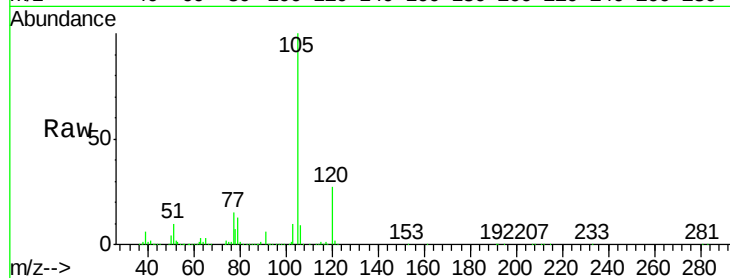
VSTDCCC050

Tot Ion: 105 Resp: 759366

Ion Ratio Lower Upper

105 100

120 25.9 12.4 37.2



#74

N-ethyl acetate

Concen: 41.335 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF062331.D

Acq: 30 Apr 2019 13:23

Tgt Ion: 43 Resp: 143207

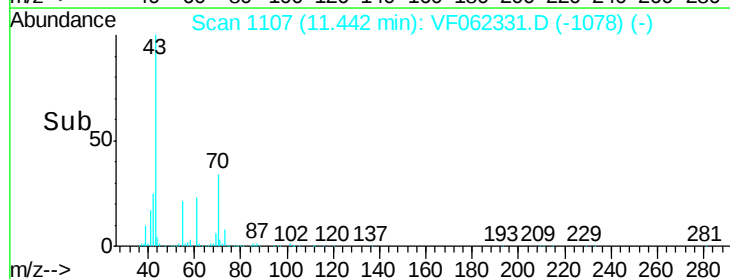
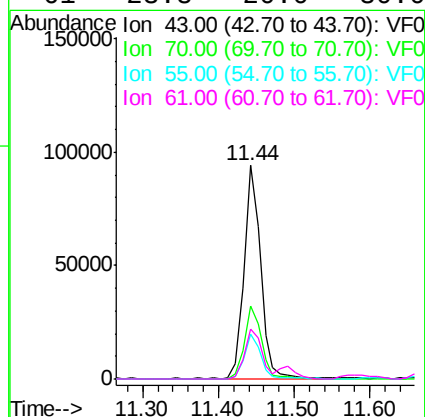
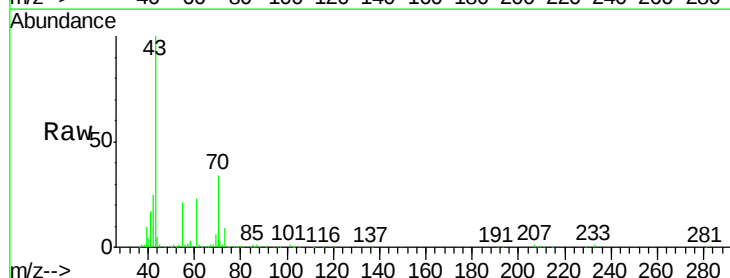
Ion Ratio Lower Upper

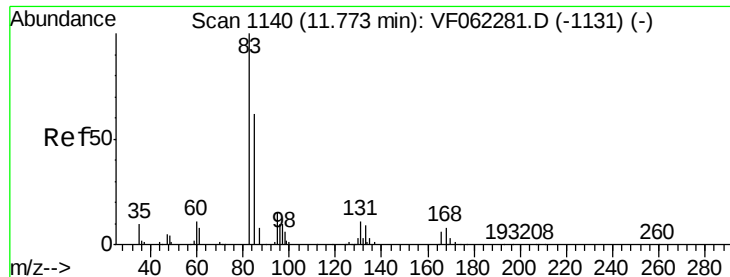
43 100

70 35.3 27.8 41.8

55 21.2 16.6 24.8

61 23.8 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.377 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF062331.D

Acq: 30 Apr 2019 13:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

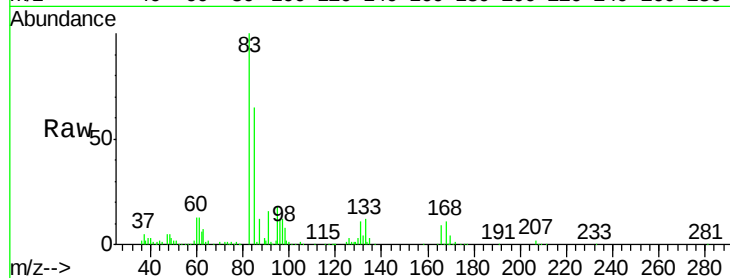
Tot Ion: 83 Resp: 117956

Ion Ratio Lower Upper

83 100

131 11.3 5.5 16.5

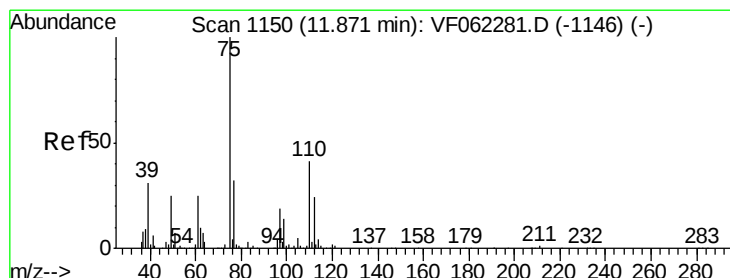
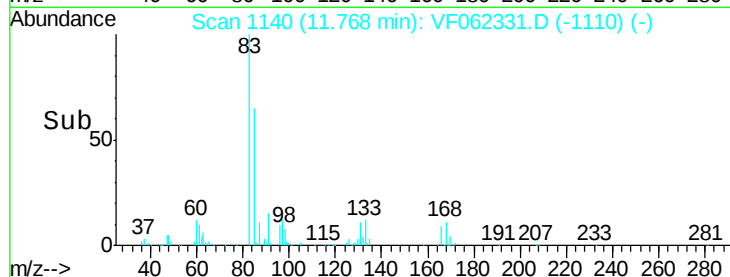
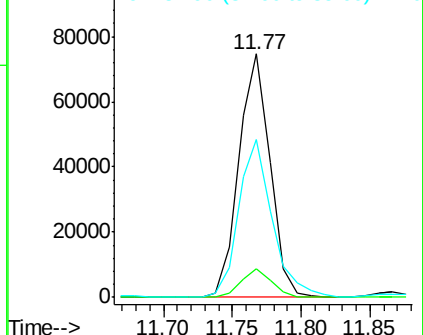
85 70.3 34.5 103.6



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 50.751 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.01 min

Lab File: VF062331.D

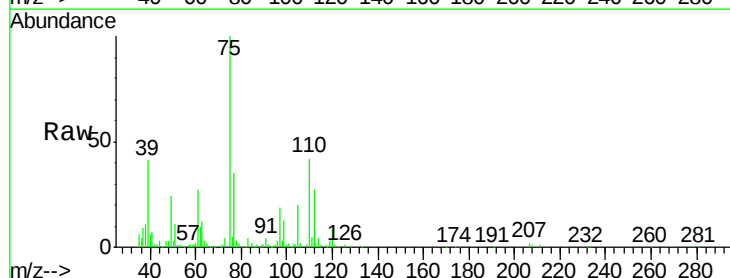
Acq: 30 Apr 2019 13:23

Tgt Ion: 75 Resp: 86019

Ion Ratio Lower Upper

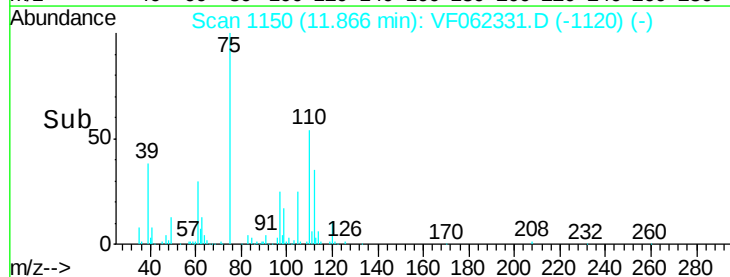
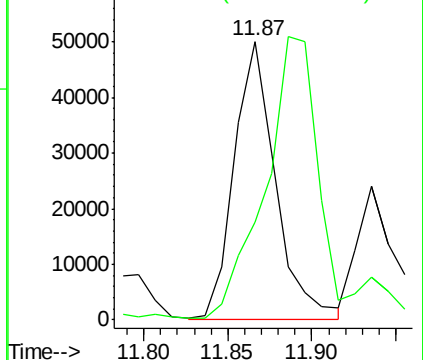
75 100

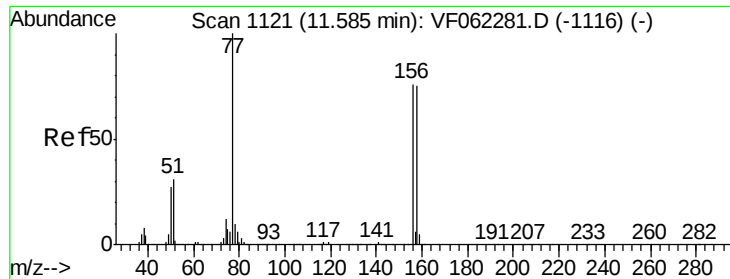
77 128.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 49.061 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF062331.D

Acq: 30 Apr 2019 13:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

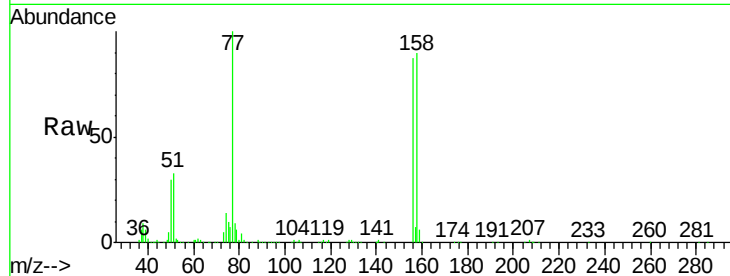
Tot Ion:156 Resp: 184417

Ion Ratio Lower Upper

156 100

77 130.5 67.3 201.9

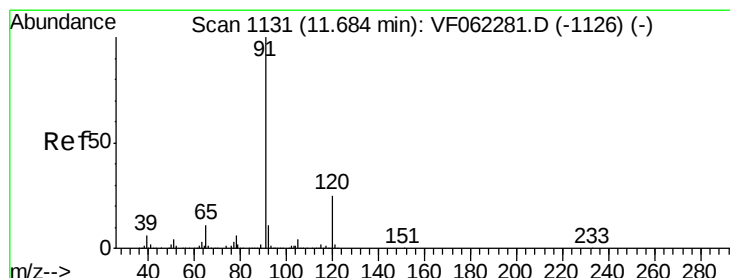
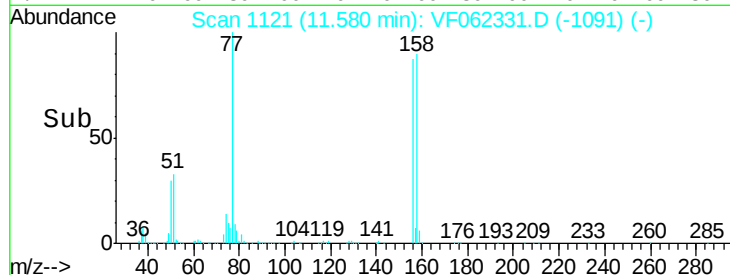
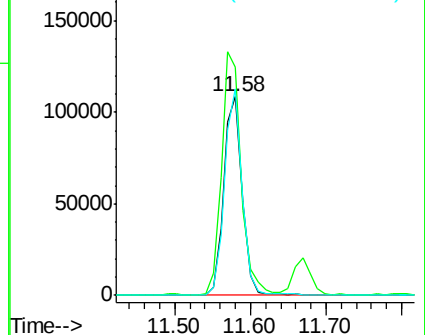
158 99.8 49.5 148.5



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.798 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF062331.D

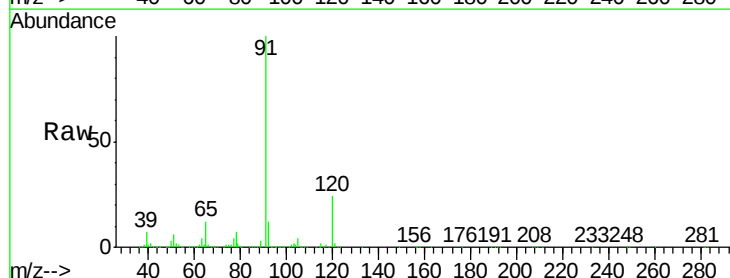
Acq: 30 Apr 2019 13:23

Tgt Ion: 91 Resp: 787876

Ion Ratio Lower Upper

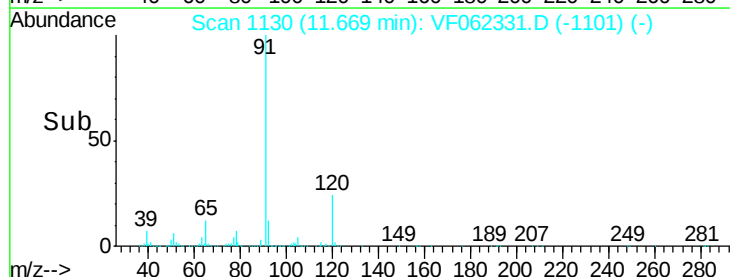
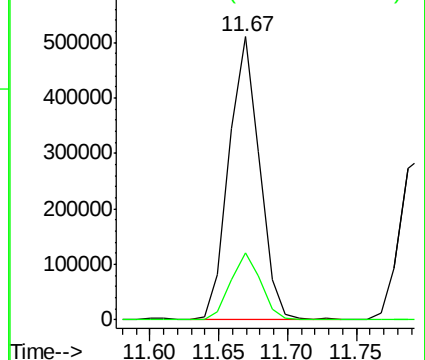
91 100

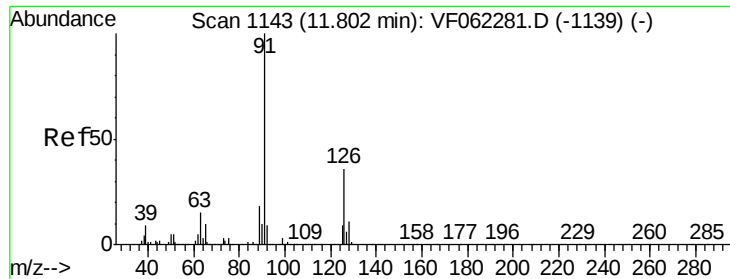
120 23.6 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

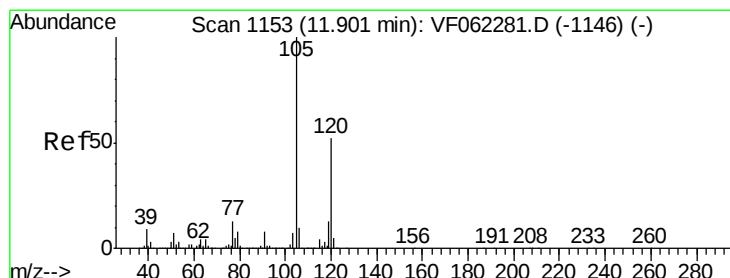
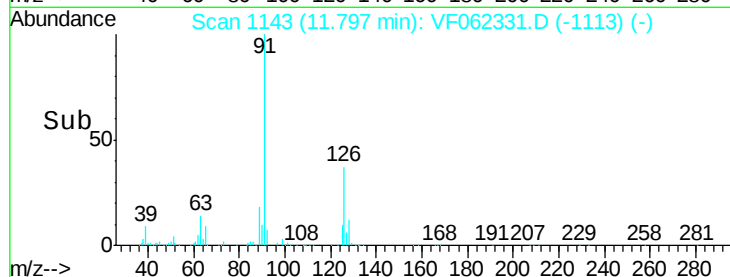
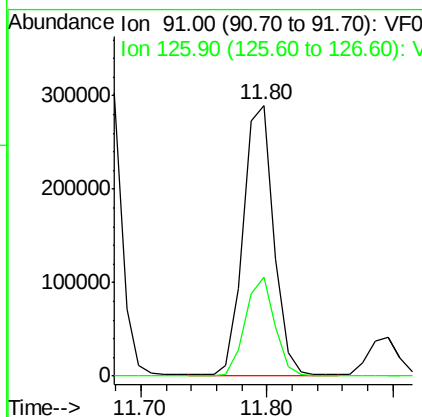
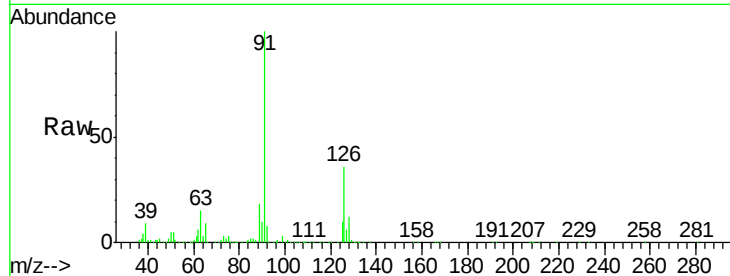




#79
 2-Chlorotoluene
 Concen: 51.163 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VF062331.D
 Acq: 30 Apr 2019 13:23

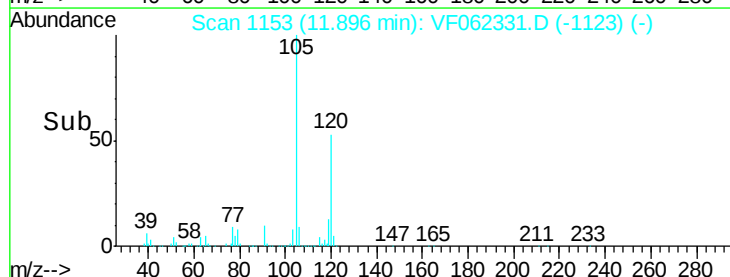
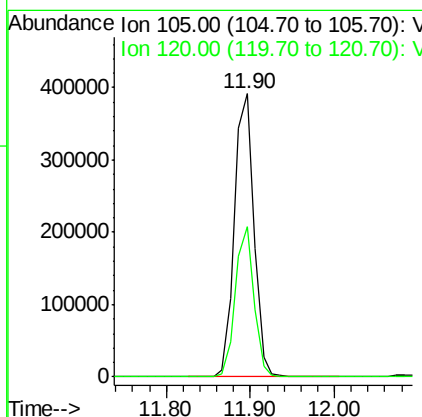
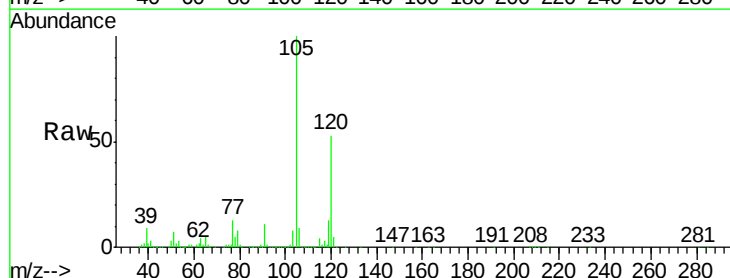
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

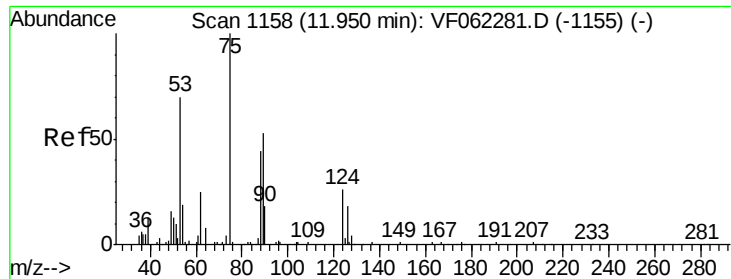
Tot Ion: 91 Resp: 487578
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.9 53.8



#80
 1,3,5-Trimethylbenzene
 Concen: 49.791 ug/l
 RT: 11.90 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: VF062331.D
 Acq: 30 Apr 2019 13:23

Tgt Ion:105 Resp: 632026
 Ion Ratio Lower Upper
 105 100
 120 50.7 25.8 77.4





#81

trans-1,4-Dichloro-2-butene

Concen: 45.417 ug/l m

RT: 11.94 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF062331.D

Acq: 30 Apr 2019 13:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

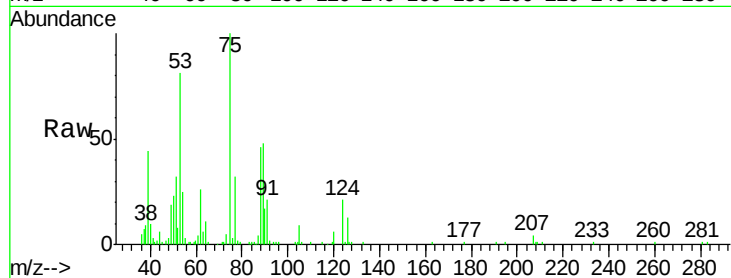
Tot Ion: 75 Resp: 34409

Ion Ratio Lower Upper

75 100

53 80.5 67.1 100.7

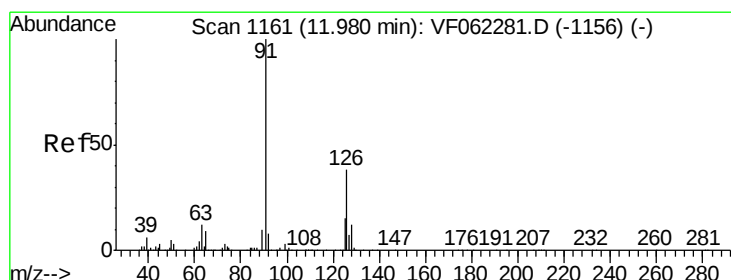
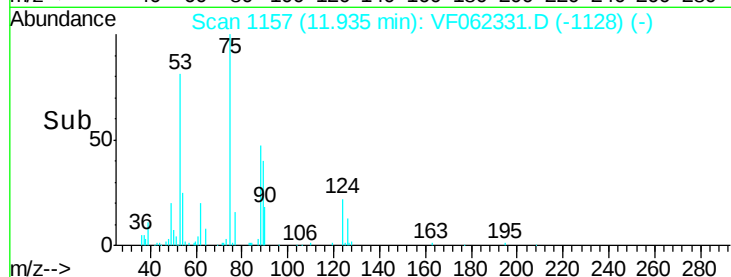
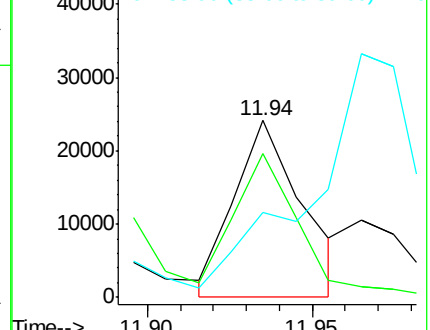
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 88.90 (88.60 to 89.60): VF0



#82

4-Chlorotoluene

Concen: 50.541 ug/l

RT: 11.96 min Scan# 1160

Delta R.T. -0.02 min

Lab File: VF062331.D

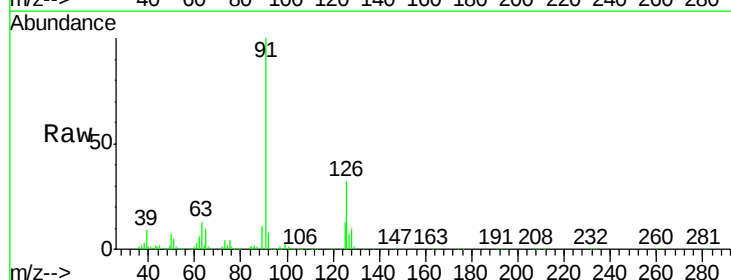
Acq: 30 Apr 2019 13:23

Tgt Ion: 91 Resp: 476595

Ion Ratio Lower Upper

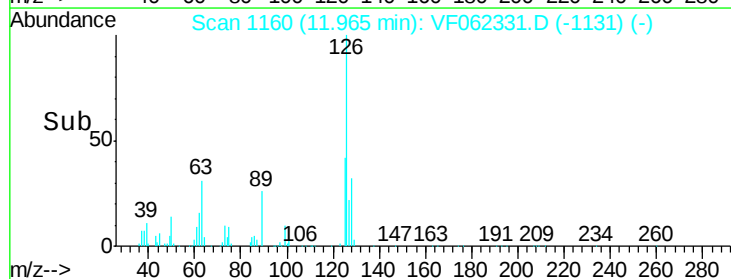
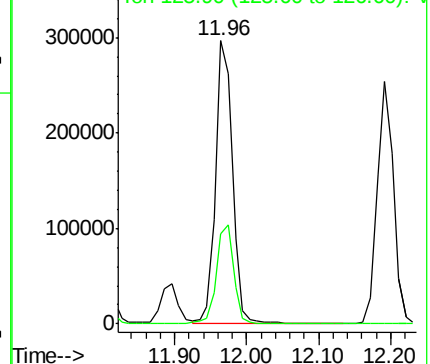
91 100

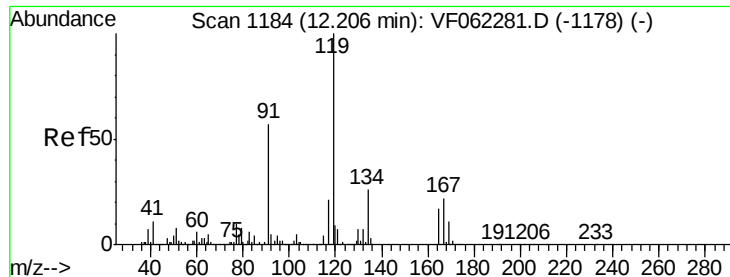
126 36.1 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 51.545 ug/l

RT: 12.19 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF062331.D

Acq: 30 Apr 2019 13:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

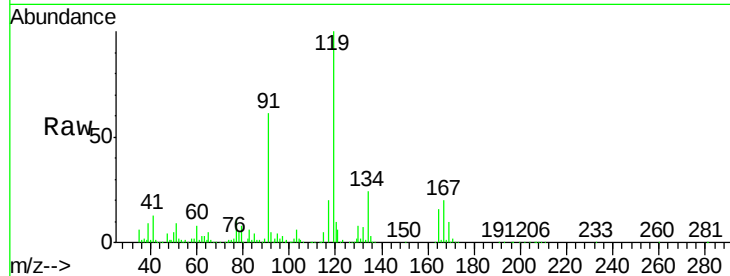
Tot Ion:119 Resp: 671482

Ion Ratio Lower Upper

119 100

91 59.3 29.4 88.2

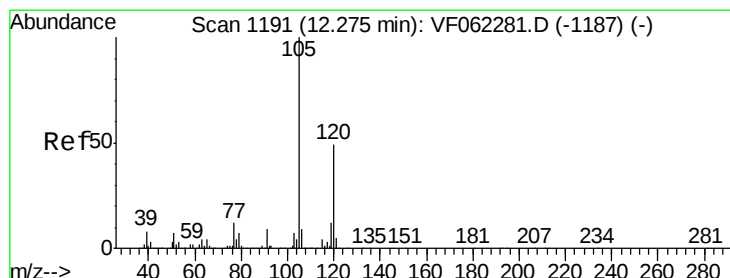
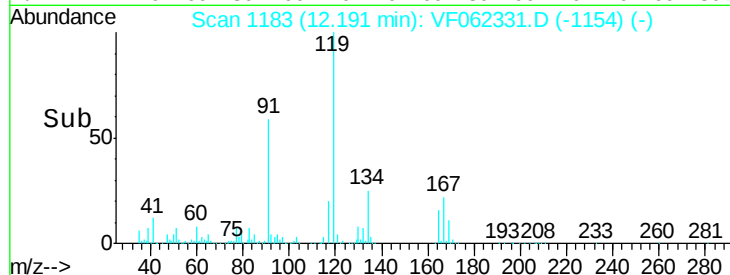
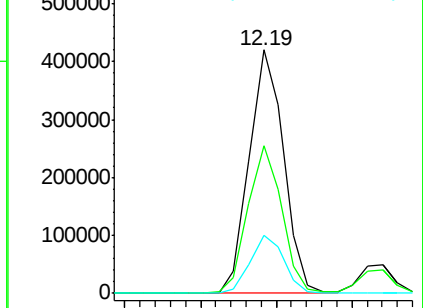
134 23.5 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 49.661 ug/l

RT: 12.27 min Scan# 1191

Delta R.T. -0.01 min

Lab File: VF062331.D

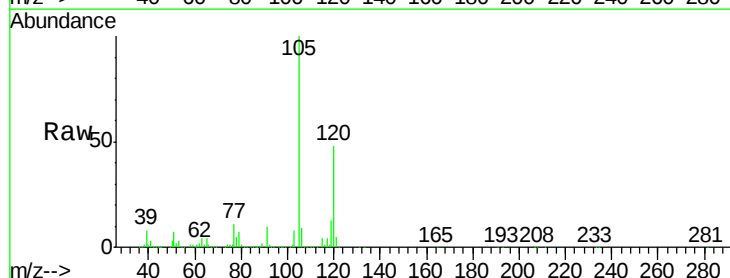
Acq: 30 Apr 2019 13:23

Tgt Ion:105 Resp: 610528

Ion Ratio Lower Upper

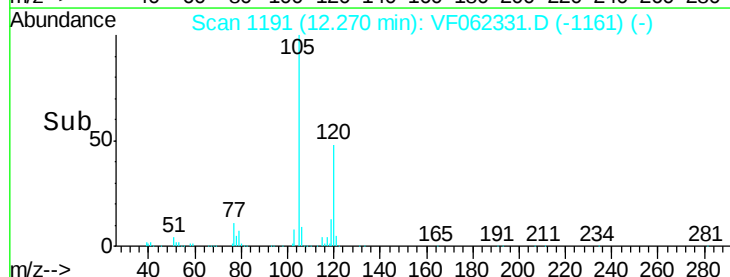
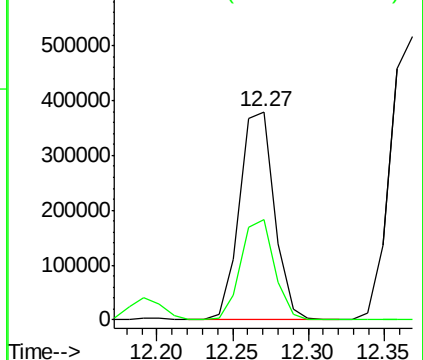
105 100

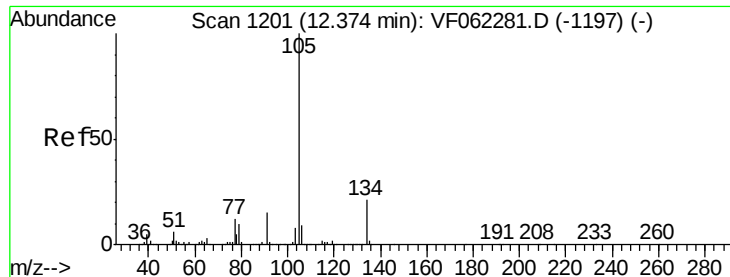
120 46.4 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.678 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF062331.D

Acq: 30 Apr 2019 13:23

Instrument :

MSVOA_F

ClientSampleId :

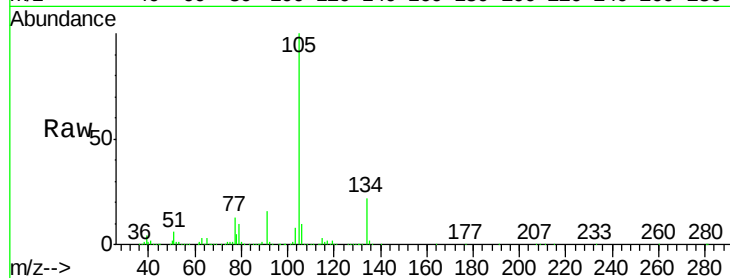
VSTDCCC050

Tot Ion:105 Resp: 822279

Ion Ratio Lower Upper

105 100

134 20.4 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.37

600000

500000

400000

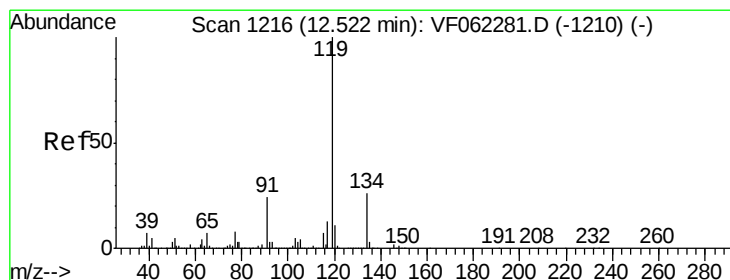
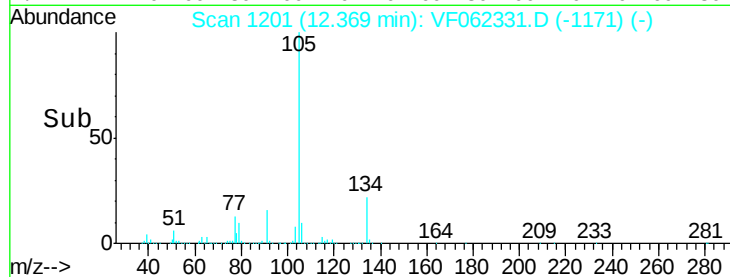
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 47.194 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VF062331.D

Acq: 30 Apr 2019 13:23

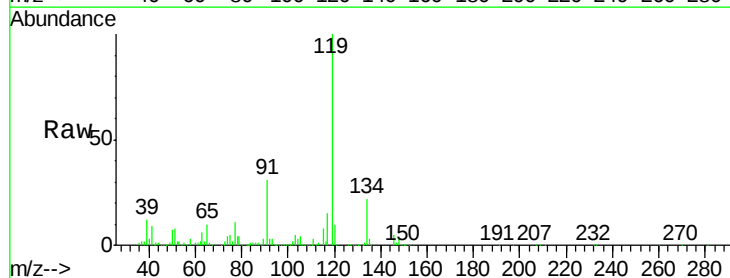
Tgt Ion:119 Resp: 686522

Ion Ratio Lower Upper

119 100

134 24.3 13.2 39.5

91 25.7 11.6 34.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

12.52

500000

400000

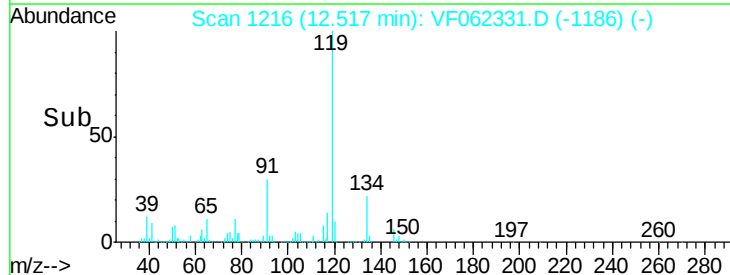
300000

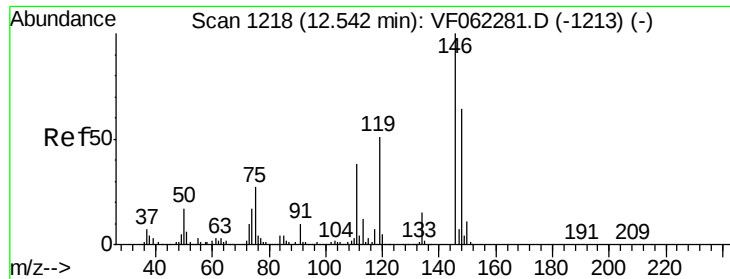
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 57.214 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VF062331.D

Acq: 30 Apr 2019 13:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

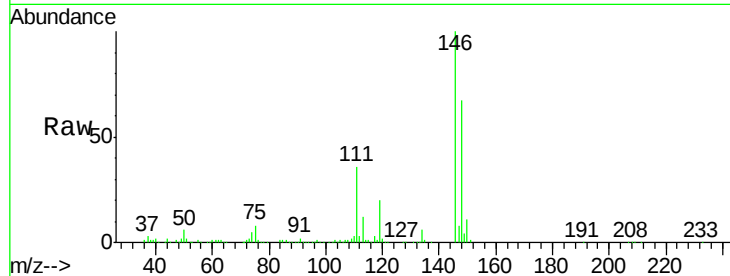
Tot Ion:146 Resp: 380487

Ion Ratio Lower Upper

146 100

111 36.0 18.6 55.8

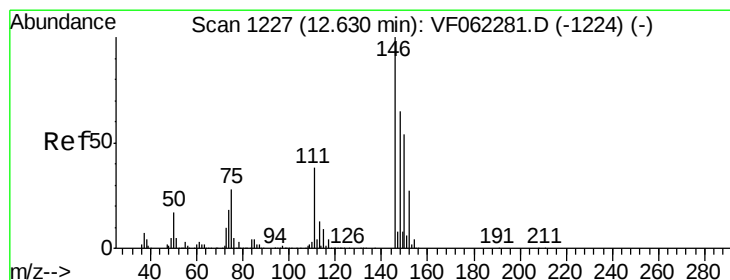
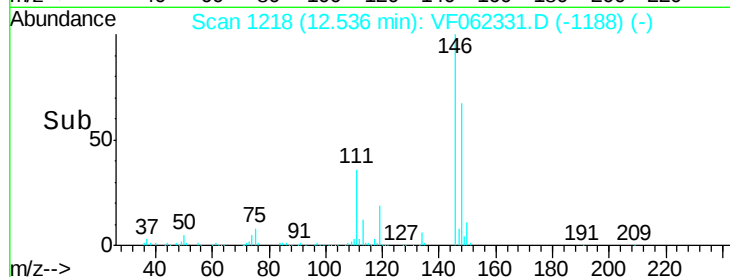
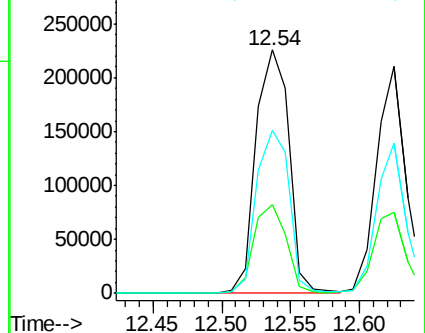
148 66.7 32.8 98.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.555 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF062331.D

Acq: 30 Apr 2019 13:23

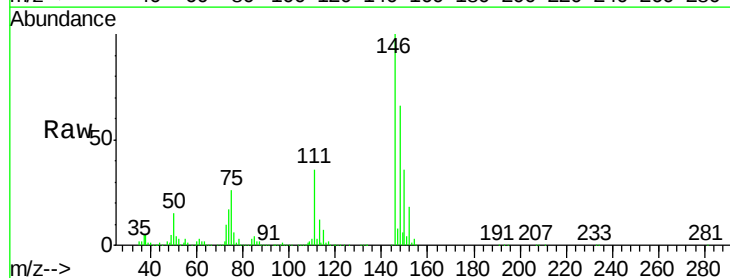
Tgt Ion:146 Resp: 312462

Ion Ratio Lower Upper

146 100

111 39.1 18.6 56.0

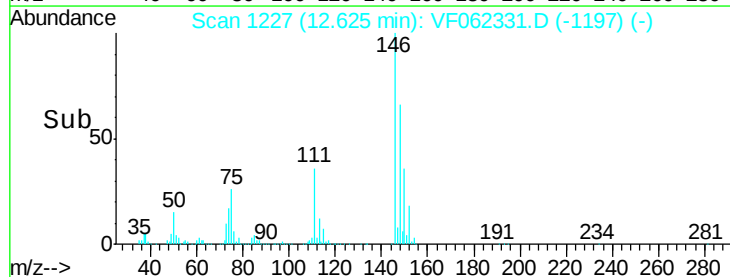
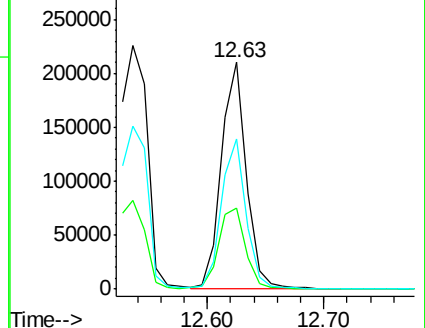
148 65.8 32.5 97.5

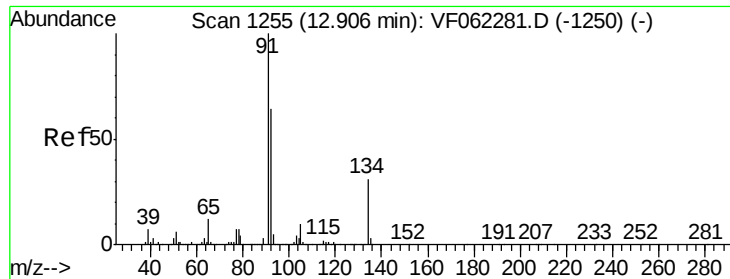


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

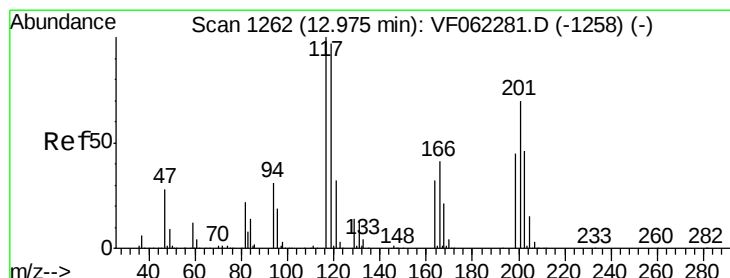
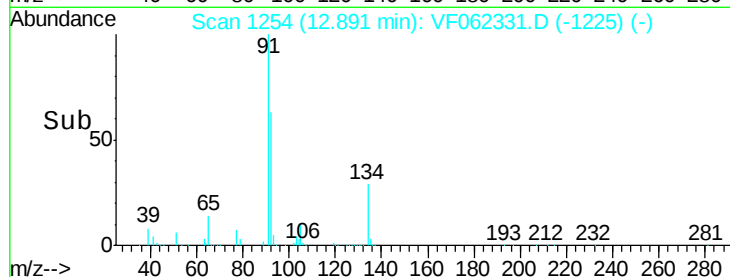
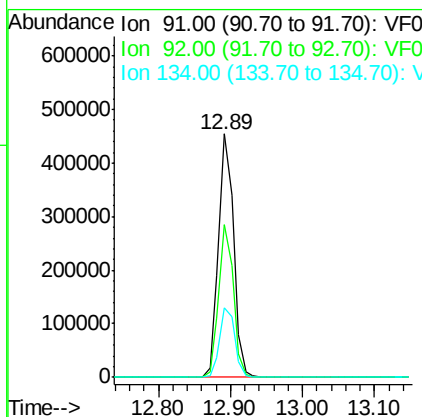
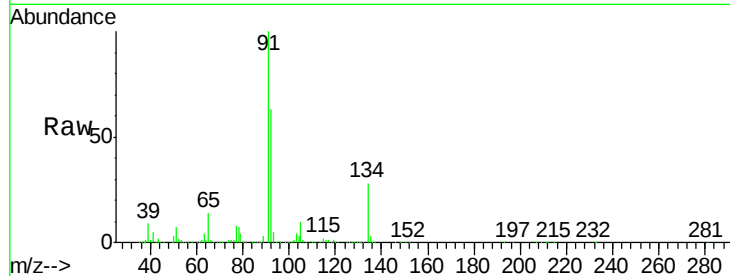




#89
n-Butylbenzene
Concen: 49.313 ug/l
RT: 12.89 min Scan# 1254
Delta R.T. -0.02 min
Lab File: VF062331.D
Acq: 30 Apr 2019 13:23

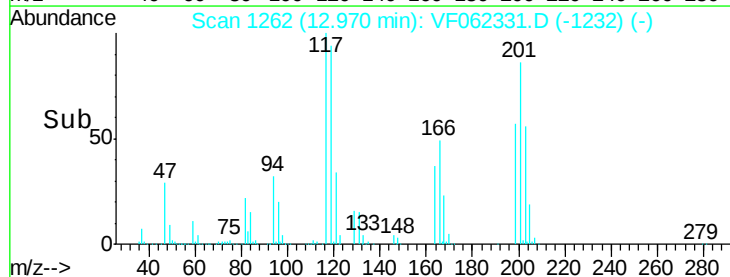
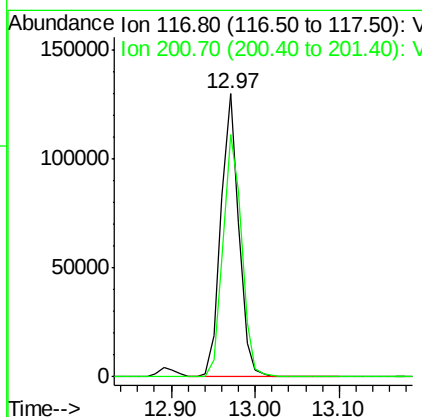
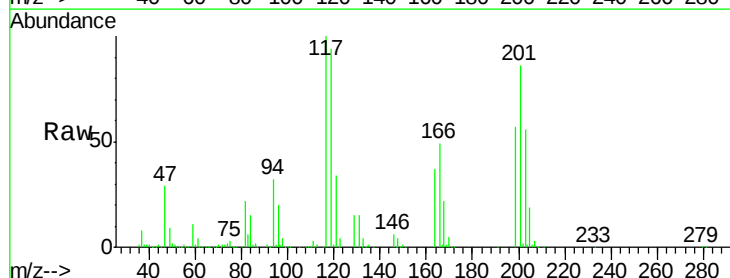
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

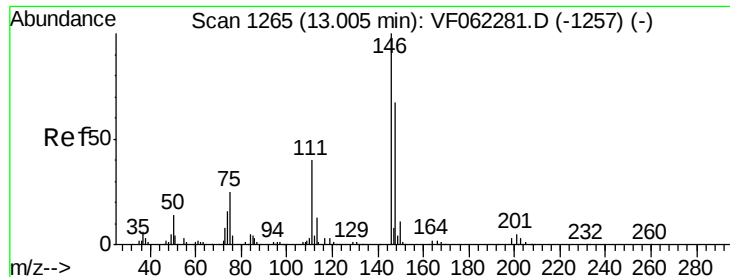
Tot Ion: 91 Resp: 651802
Ion Ratio Lower Upper
91 100
92 60.6 31.1 93.3
134 28.6 14.4 43.4



#90
Hexachloroethane
Concen: 52.823 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. -0.01 min
Lab File: VF062331.D
Acq: 30 Apr 2019 13:23

Tgt Ion: 117 Resp: 192617
Ion Ratio Lower Upper
117 100
201 88.8 42.9 128.5





#91

1,2-Dichlorobenzene

Concen: 50.078 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VF062331.D

Acq: 30 Apr 2019 13:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

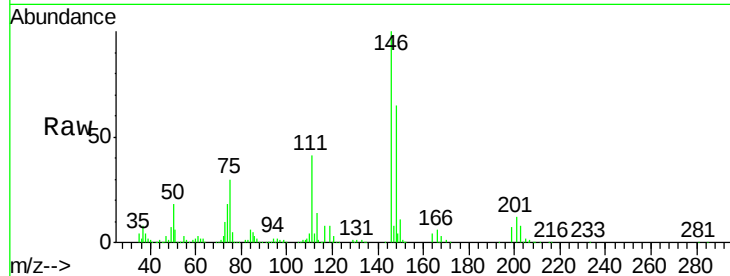
Tot Ion:146 Resp: 319677

Ion Ratio Lower Upper

146 100

111 39.5 20.0 59.9

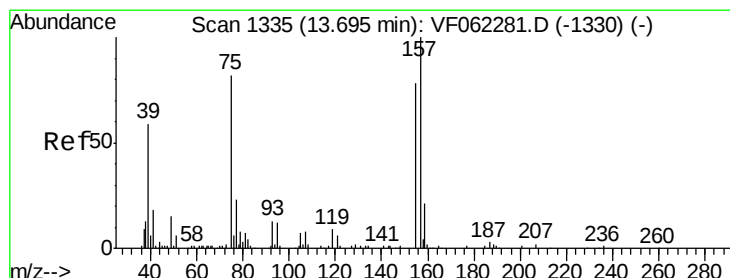
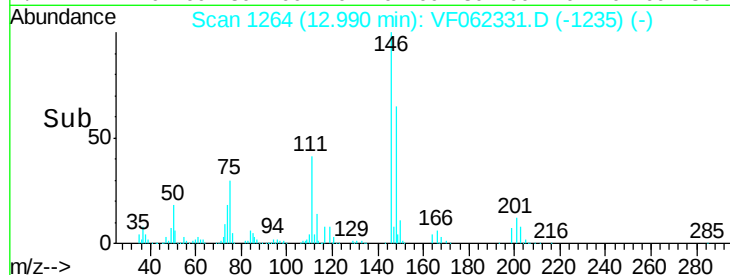
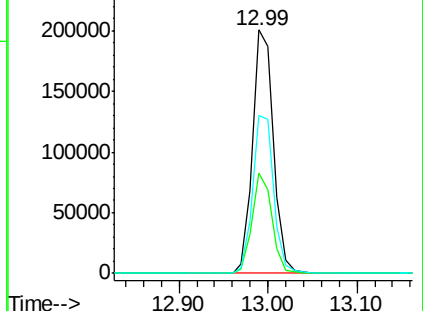
148 66.0 33.1 99.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.768 ug/l

RT: 13.68 min Scan# 1334

Delta R.T. -0.01 min

Lab File: VF062331.D

Acq: 30 Apr 2019 13:23

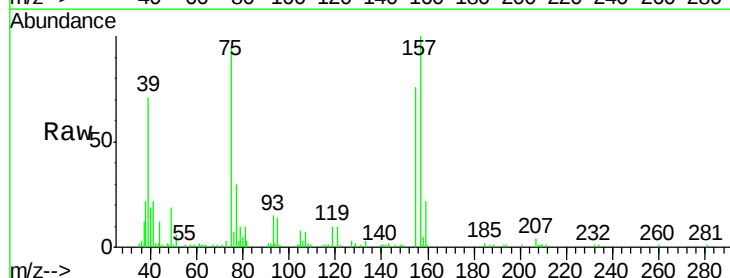
Tgt Ion: 75 Resp: 25912

Ion Ratio Lower Upper

75 100

155 99.0 51.7 155.2

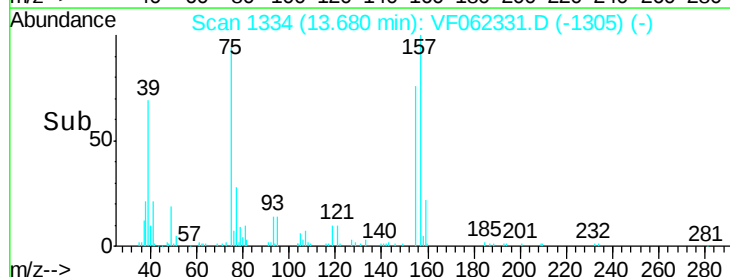
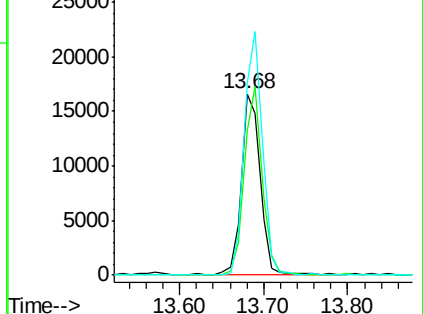
157 128.8 64.5 193.5

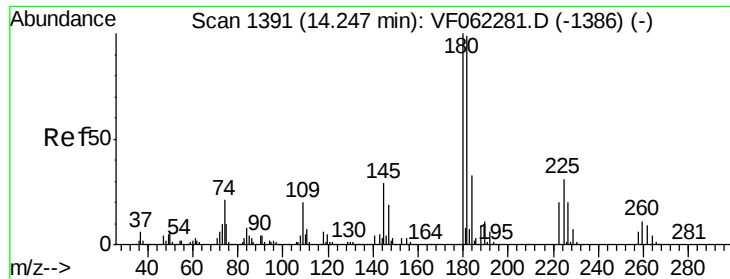


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

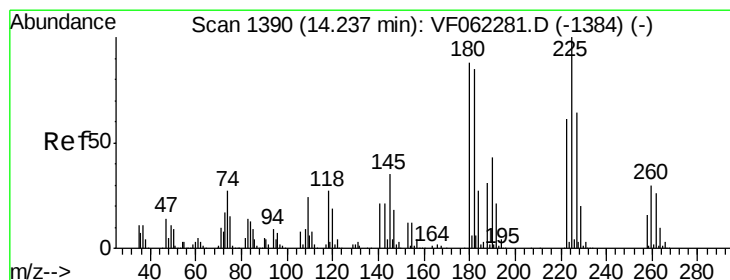
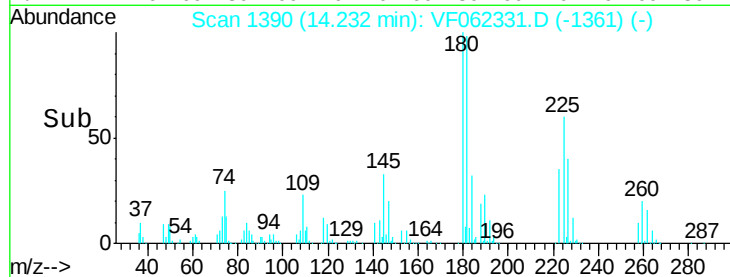
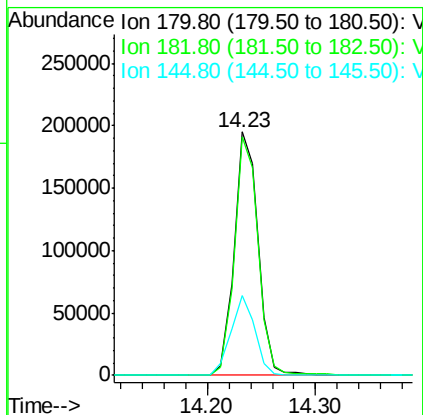
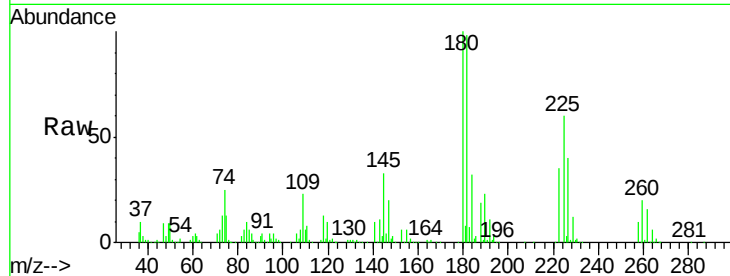




#93
 1,2,4-Trichlorobenzene
 Concen: 53.405 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VF062331.D
 Acq: 30 Apr 2019 13:23

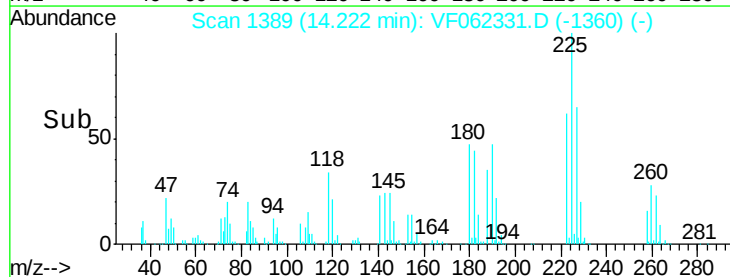
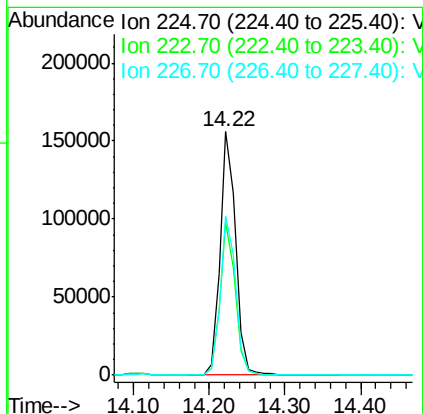
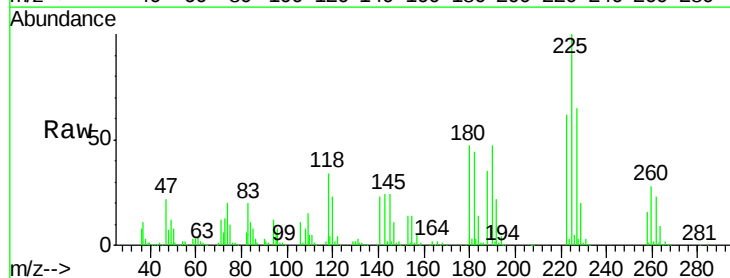
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

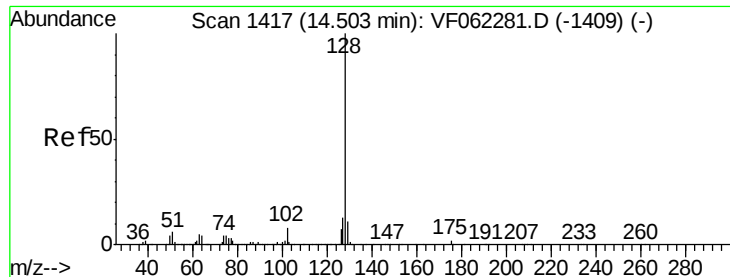
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.6	48.5	145.6
145	33.6	16.7	50.1



#94
 Hexachlorobutadiene
 Concen: 56.028 ug/l
 RT: 14.22 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VF062331.D
 Acq: 30 Apr 2019 13:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.1	30.8	92.3
227	64.8	31.9	95.5

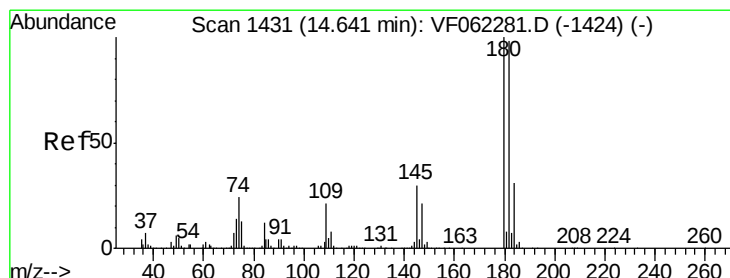
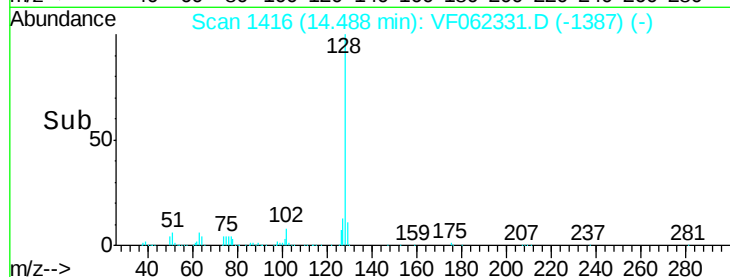
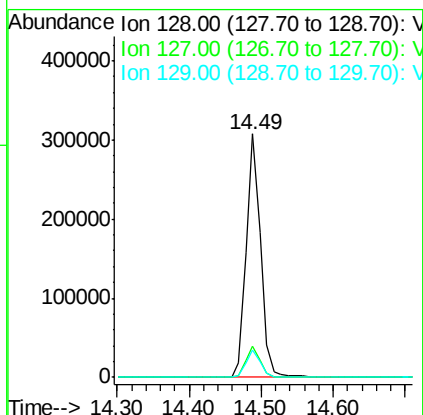
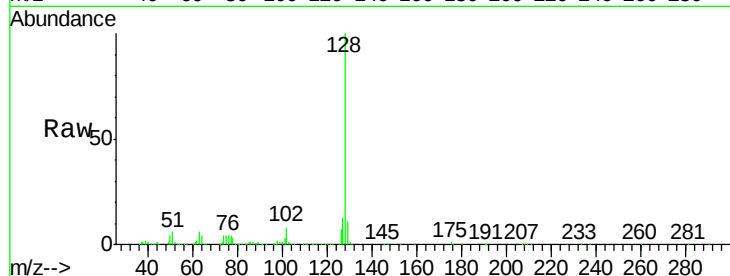




#95
Naphthalene
Concen: 49.584 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. -0.01 min
Lab File: VF062331.D
Acq: 30 Apr 2019 13:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 430799
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 11.0 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 53.599 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VF062331.D
Acq: 30 Apr 2019 13:23

Tgt Ion:180 Resp: 284286
Ion Ratio Lower Upper
180 100
182 97.5 49.0 147.2
145 29.5 14.5 43.5

