

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042419\
 Data File : VF062277.D
 Acq On : 24 Apr 2019 12:45
 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: Apr 25 07:34:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 07:31:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	487299	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	715018	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	501864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	279989	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	198323	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
35) Dibromofluoromethane	4.32	113	252331	46.37	ug/l	0.00
Spiked Amount			Recovery	=	92.74%	
50) Toluene-d8	7.72	98	685098	52.72	ug/l	0.00
Spiked Amount			Recovery	=	105.44%	
62) 4-Bromofluorobenzene	11.51	95	234364	42.79	ug/l	0.00
Spiked Amount			Recovery	=	85.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	274577	45.545	ug/l	99
3) Chloromethane	1.16	50	236649	46.871	ug/l	96
4) Vinyl Chloride	1.19	62	228893	48.326	ug/l	91
5) Bromomethane	1.40	94	158304	49.519	ug/l	95
6) Chloroethane	1.45	64	110262	53.131	ug/l	97
7) Trichlorofluoromethane	1.56	101	365693	48.944	ug/l	94
8) Diethyl Ether	1.72	74	63755	47.478	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.92	101	224871	48.016	ug/l	99
10) Methyl Iodide	1.99	142	395746	48.547	ug/l	99
11) Tert butyl alcohol	2.70	59	58042	246.701	ug/l	96
12) 1,1-Dichloroethene	1.88	96	209195	48.679	ug/l	96
13) Acrolein	2.10	56	26233	168.357	ug/l	96
14) Allyl chloride	2.20	41	245101	37.830	ug/l #	72
15) Acrylonitrile	3.10	53	151248	222.278	ug/l	98
16) Acetone	2.36	43	248949	281.986	ug/l	97
17) Carbon Disulfide	1.91	76	463125	41.562	ug/l	98
18) Methyl Acetate	2.47	43	85748	39.173	ug/l	95
19) Methyl tert-butyl Ether	2.56	73	385720	48.715	ug/l	98
20) Methylene Chloride	2.35	84	133950	23.982	ug/l	98
21) trans-1,2-Dichloroethene	2.43	96	191248	46.334	ug/l	95
22) Diisopropyl ether	2.95	45	577809	46.856	ug/l	100
23) Vinyl Acetate	3.35	43	1318668	246.820	ug/l	100
24) 1,1-Dichloroethane	3.02	63	343150	49.604	ug/l	97
25) 2-Butanone	4.54	43	356309	254.648	ug/l	100
26) 2,2-Dichloropropane	3.79	77	183973	50.920	ug/l	98
27) cis-1,2-Dichloroethene	3.66	96	253977	48.103	ug/l	97
28) Bromochloromethane	3.92	49	135385	44.750	ug/l #	99
29) Tetrahydrofuran	4.28	42	142856	234.243	ug/l	99
30) Chloroform	4.06	83	413118	47.877	ug/l	99
31) Cyclohexane	3.89	56	329642	49.260	ug/l	99
32) 1,1,1-Trichloroethane	4.30	97	322533	50.192	ug/l #	93
36) 1,1-Dichloropropene	4.49	75	304827	44.886	ug/l	100
37) Ethyl Acetate	4.31	43	119614	42.897	ug/l #	78
38) Carbon Tetrachloride	4.19	117	312782	47.137	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	385408	48.159	ug/l	98
40) Benzene	4.83	78	753160	45.981	ug/l	99
41) Methacrylonitrile	4.94	41	71729	46.054	ug/l	90
42) 1,2-Dichloroethane	5.14	62	242153	48.140	ug/l	99
43) Isopropyl Acetate	7.13	43	127553	43.371	ug/l #	99
44) Trichloroethene	5.70	130	245746	44.359	ug/l	97
45) 1,2-Dichloropropane	6.42	63	177615	49.226	ug/l	96
46) Dibromomethane	6.27	93	134917	51.619	ug/l	97
47) Bromodichloromethane	6.57	83	299358	48.651	ug/l	99
48) Methyl methacrylate	6.89	41	94362	46.760	ug/l	98
49) 1,4-Dioxane	6.88	88	21855	946.272	ug/l	97
51) 4-Methyl-2-Pentanone	8.41	43	500780	222.544	ug/l	100
52) Toluene	7.79	92	442490	47.100	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	216808	48.382	ug/l	97
54) cis-1,3-Dichloropropene	7.46	75	276412	47.503	ug/l	99
55) 1,1,2-Trichloroethane	8.65	97	127463	49.640	ug/l	96
56) Ethyl methacrylate	8.77	69	112333	39.134	ug/l	97
57) 1,3-Dichloropropane	9.00	76	191790	47.494	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.45	63	181858	205.080	ug/l	99
59) 2-Hexanone	9.63	43	322554	146.988	ug/l	99
60) Dibromochloromethane	8.86	129	202637	48.975	ug/l	98
61) 1,2-Dibromoethane	9.14	107	140316	46.894	ug/l	99
64) Tetrachloroethene	8.31	164	217686	50.464	ug/l	97
65) Chlorobenzene	9.94	112	448825	48.219	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	212266	47.311	ug/l	99
67) Ethyl Benzene	10.04	91	757249	45.863	ug/l	98
68) m/p-Xylenes	10.27	106	566255	92.883	ug/l	100
69) o-Xylene	10.83	106	323222	47.231	ug/l	98
70) Styrene	10.89	104	432211	43.656	ug/l	99
71) Bromoform	10.88	173	117601	48.294	ug/l	97
73) Isopropylbenzene	11.22	105	956445	47.848	ug/l	96
74) N-amyl acetate	11.46	43	174530	38.456	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.77	83	150395	50.312	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	99250	46.010	ug/l #	100
77) Bromobenzene	11.58	156	221295	45.902	ug/l	99
78) n-propylbenzene	11.68	91	932266	44.817	ug/l	100
79) 2-Chlorotoluene	11.80	91	568722	46.003	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	780494	46.666	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	57564	45.955	ug/l #	68
82) 4-Chlorotoluene	11.98	91	556967	45.462	ug/l	97
83) tert-Butylbenzene	12.21	119	831641	47.424	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	753957	45.840	ug/l	98
85) sec-Butylbenzene	12.37	105	1043715	47.945	ug/l	99
86) p-Isopropyltoluene	12.52	119	910802	47.003	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	382540	43.608	ug/l	100
88) 1,4-Dichlorobenzene	12.63	146	380899	46.305	ug/l	99
89) n-Butylbenzene	12.91	91	785449	43.465	ug/l	100
90) Hexachloroethane	12.98	117	236063	49.102	ug/l	100
91) 1,2-Dichlorobenzene	13.00	146	370962	43.990	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	30199	49.700	ug/l	94

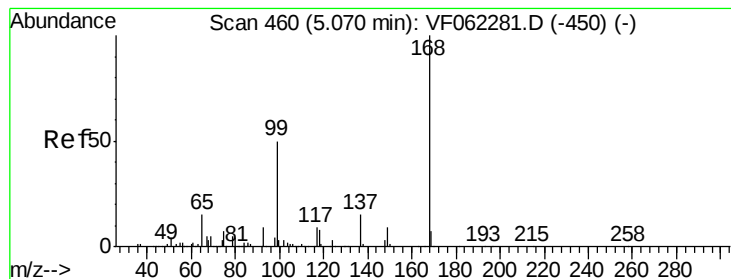
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF042419\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	335557	44.911	ug/l	98
94) Hexachlorobutadiene	14.24	225	245111	46.220	ug/l	99
95) Naphthalene	14.50	128	525651	47.382	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	332065	48.287	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. -0.00 min

Lab File: VF062277.D

Acq: 24 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

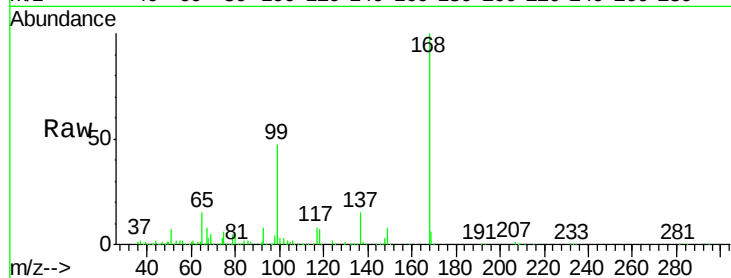
VSTDCCC050

Tot Ion:168 Resp: 487299

Ion Ratio Lower Upper

168 100

99 47.5 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

5.07

150000

100000

50000

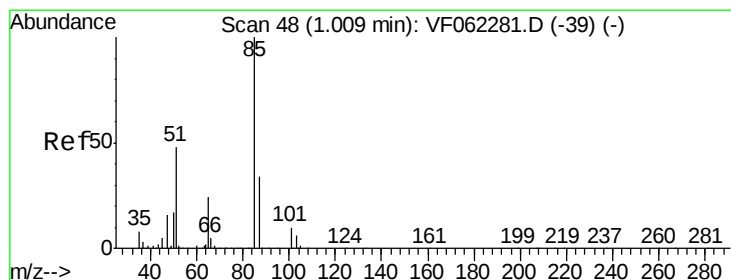
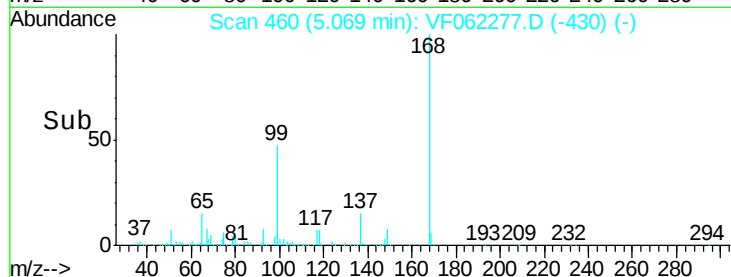
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Time-->

5.00

5.20

5.40



#2

Dichlorodifluoromethane

Concen: 45.545 ug/l

RT: 1.01 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062277.D

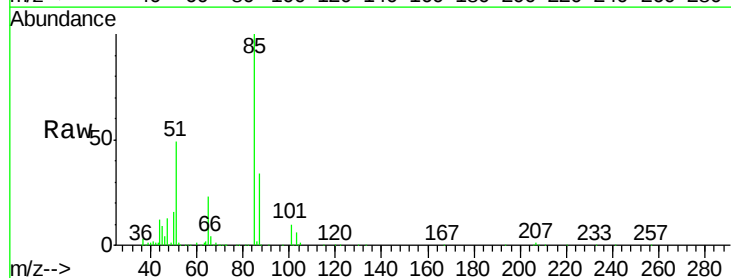
Acq: 24 Apr 2019 12:45

Tgt Ion: 85 Resp: 274577

Ion Ratio Lower Upper

85 100

87 33.4 17.1 51.3



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.01

80000

60000

40000

20000

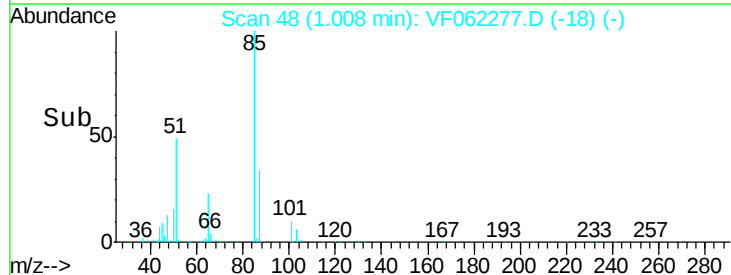
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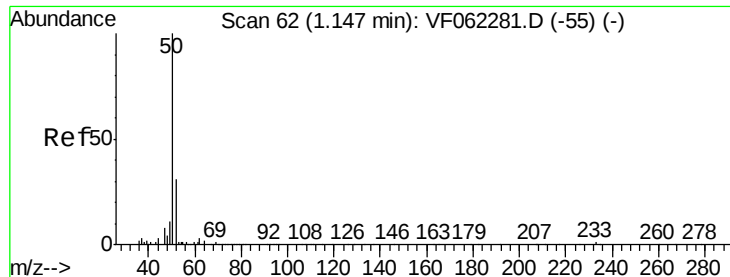
Time-->

0.80

1.00

1.20





#3

Chloromethane

Concen: 46.871 ug/l

RT: 1.16 min Scan# 63

Delta R.T. 0.01 min

Lab File: VF062277.D

Acq: 24 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

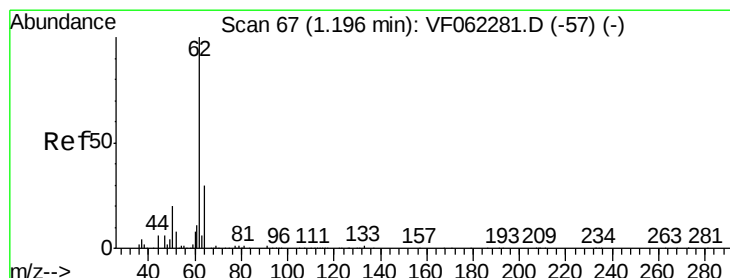
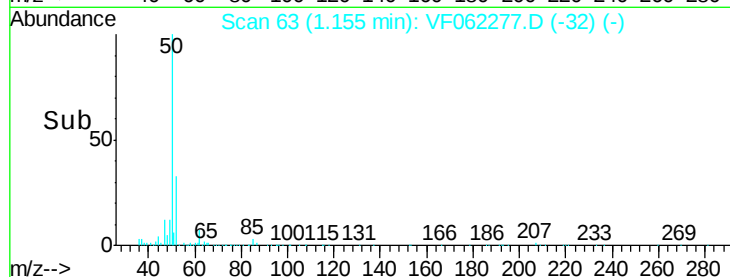
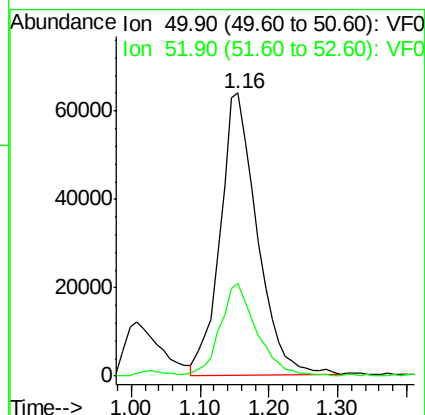
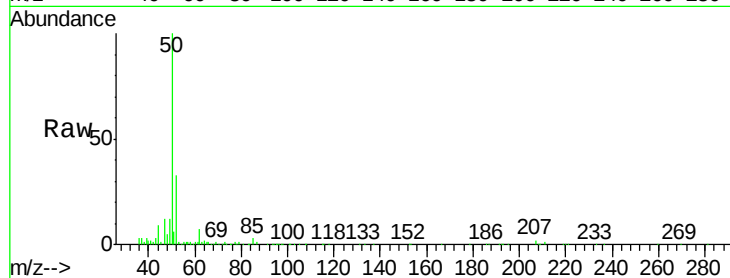
VSTDCCC050

Tot Ion: 50 Resp: 236649

Ion Ratio Lower Upper

50 100

52 32.6 24.2 36.4



#4

Vinyl Chloride

Concen: 48.326 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062277.D

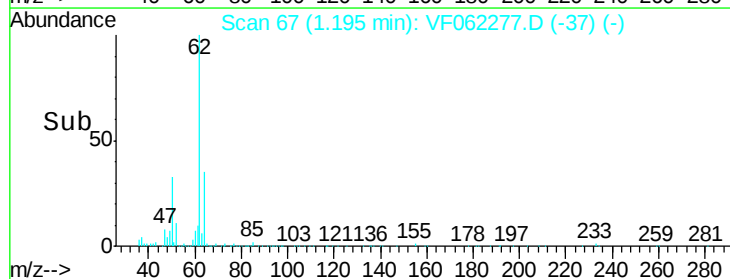
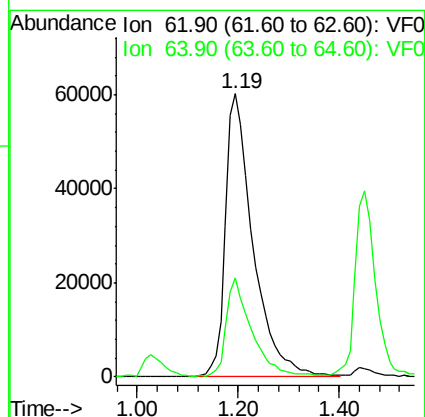
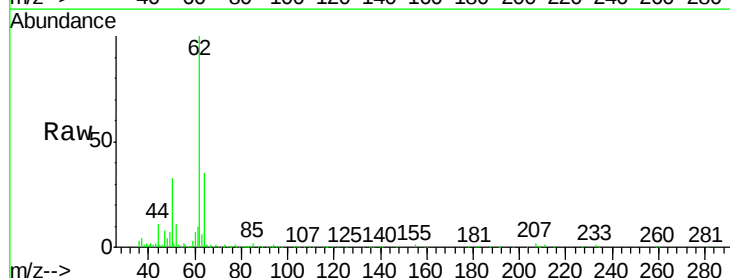
Acq: 24 Apr 2019 12:45

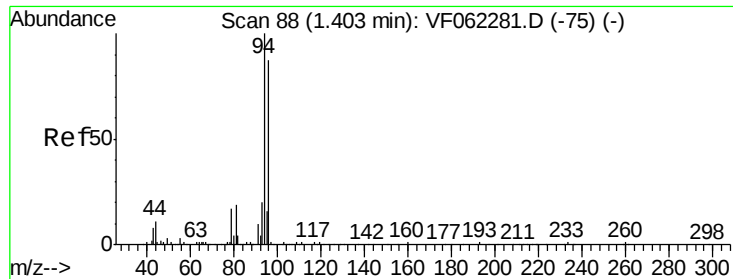
Tgt Ion: 62 Resp: 228893

Ion Ratio Lower Upper

62 100

64 35.1 24.3 36.5





#5

Bromomethane

Concen: 49.519 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.00 min

Lab File: VF062277.D

Acq: 24 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

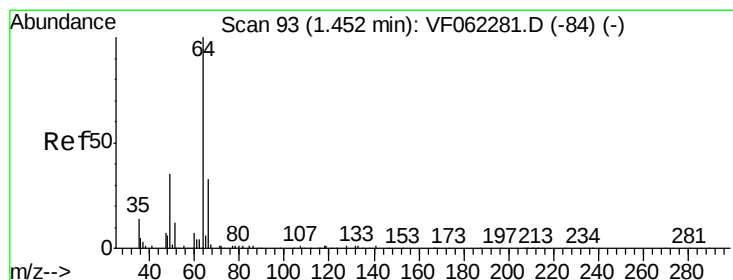
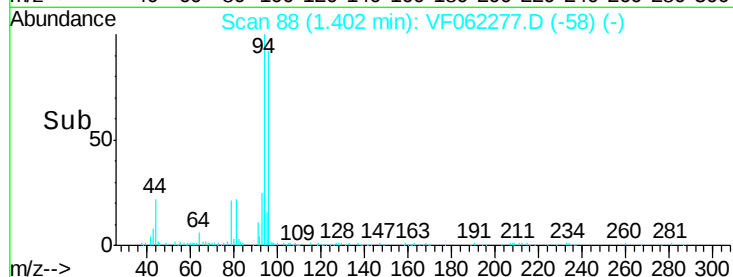
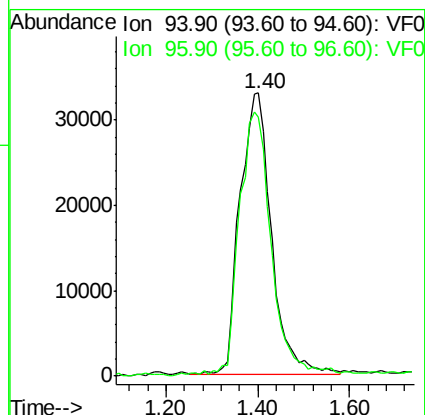
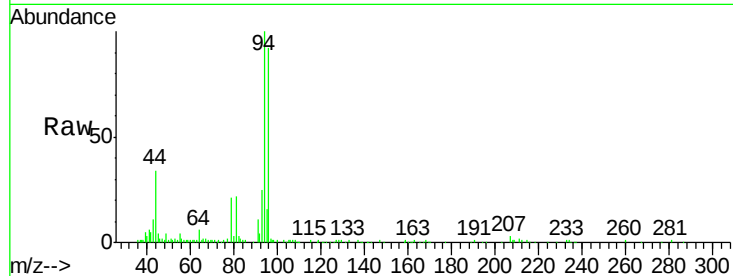
VSTDCCC050

Tot Ion: 94 Resp: 158304

Ion Ratio Lower Upper

94 100

96 91.3 69.5 104.3



#6

Chloroethane

Concen: 53.131 ug/l

RT: 1.45 min Scan# 93

Delta R.T. -0.00 min

Lab File: VF062277.D

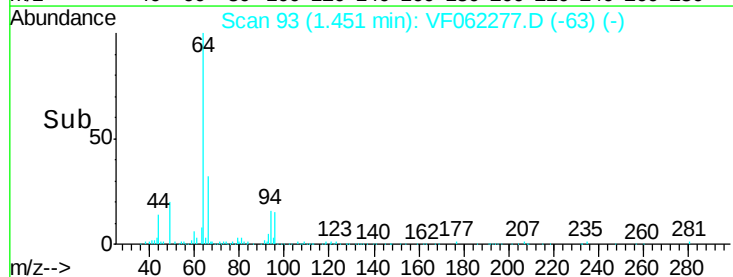
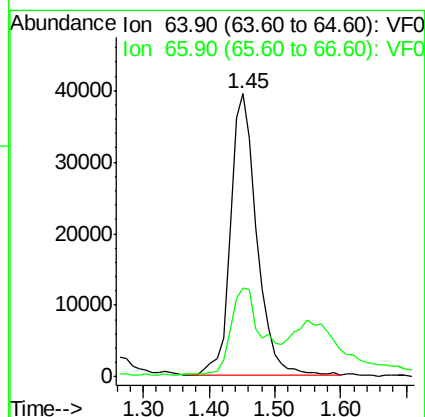
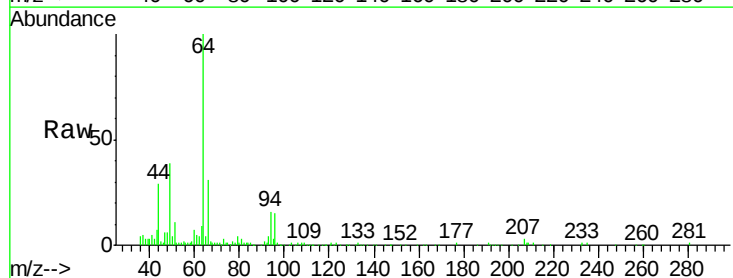
Acq: 24 Apr 2019 12:45

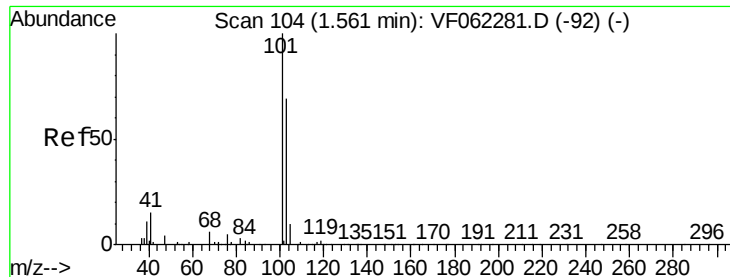
Tgt Ion: 64 Resp: 110262

Ion Ratio Lower Upper

64 100

66 30.5 26.0 39.0



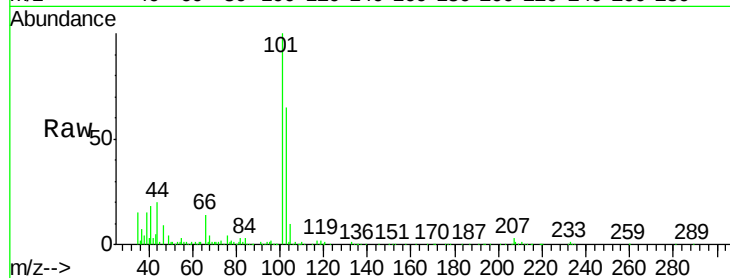


#7

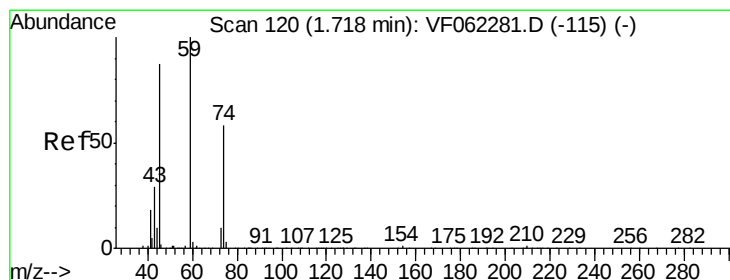
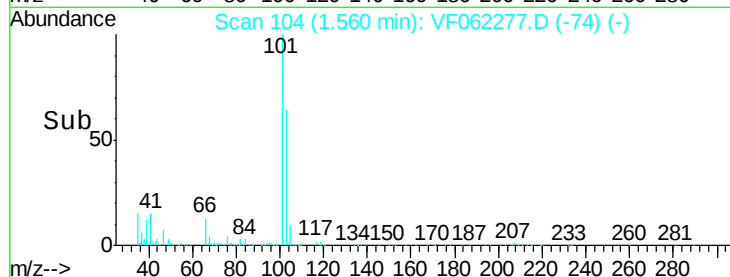
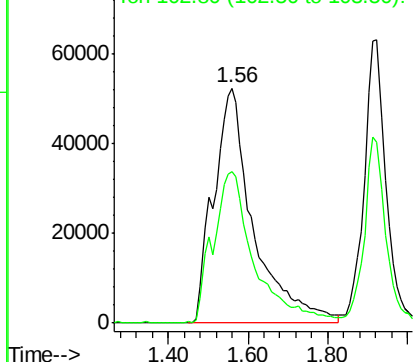
Trichlorofluoromethane
Concen: 48.944 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.00 min
Lab File: VF062277.D
Acq: 24 Apr 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 365693
Ion Ratio Lower Upper
101 100
103 64.1 55.0 82.6



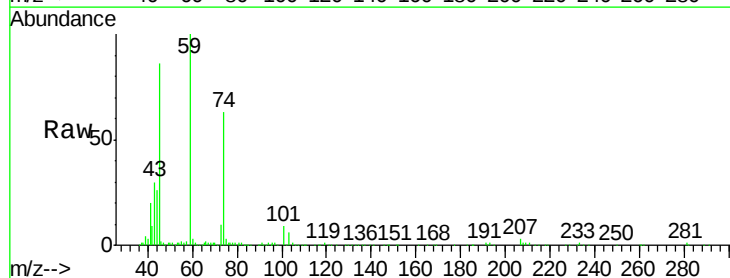
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



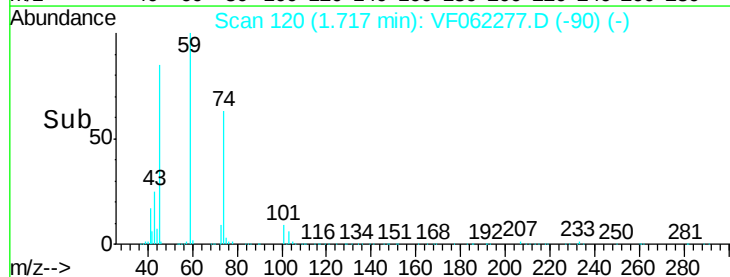
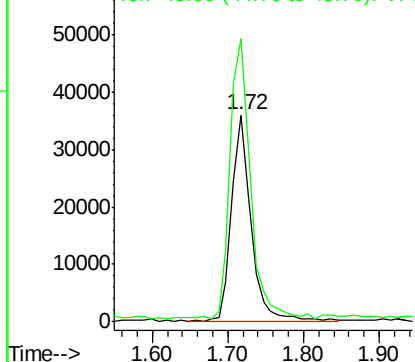
#8

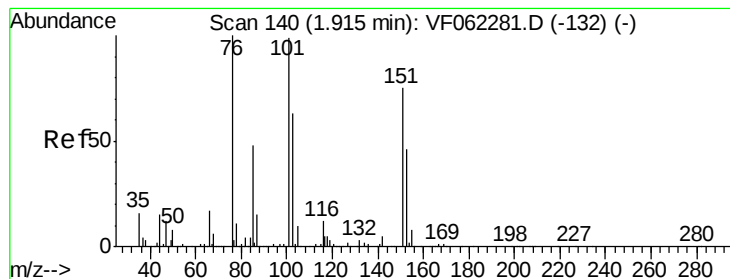
Diethyl Ether
Concen: 47.478 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.00 min
Lab File: VF062277.D
Acq: 24 Apr 2019 12:45

Tgt Ion: 74 Resp: 63755
Ion Ratio Lower Upper
74 100
45 141.0 74.0 222.0



Abundance Ion 74.00 (73.70 to 74.70): VF0
Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.016 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF062277.D

Acq: 24 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

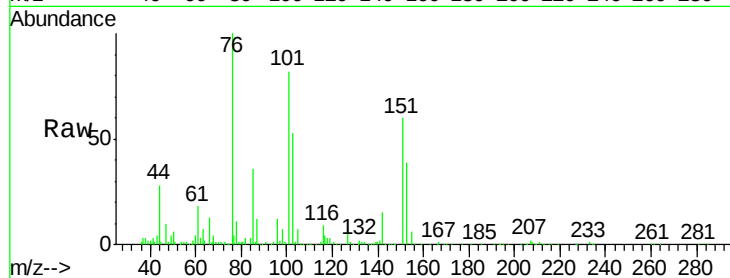
Tot Ion:101 Resp: 224871

Ion Ratio Lower Upper

101 100

85 46.7 36.5 54.7

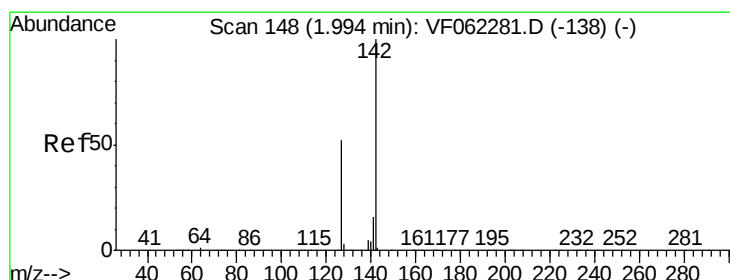
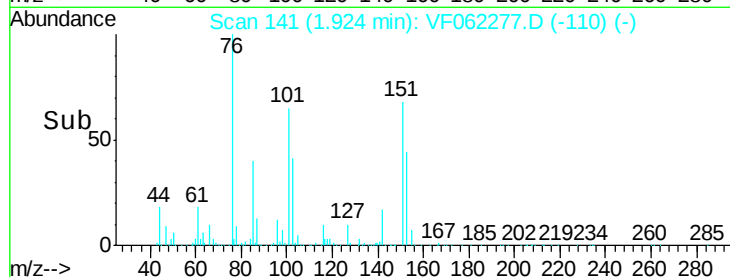
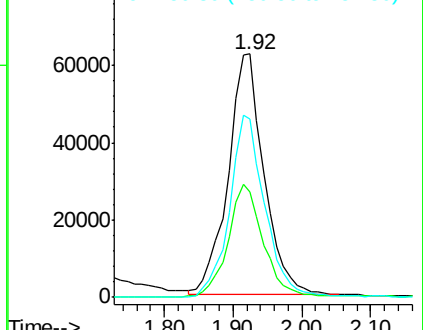
151 74.8 59.2 88.8



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: 48.547 ug/l

RT: 1.99 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF062277.D

Acq: 24 Apr 2019 12:45

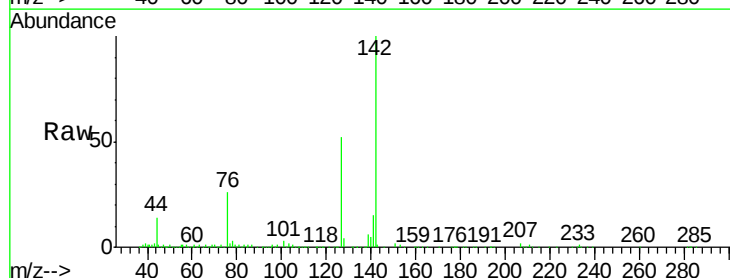
Tgt Ion:142 Resp: 395746

Ion Ratio Lower Upper

142 100

127 52.8 43.0 64.4

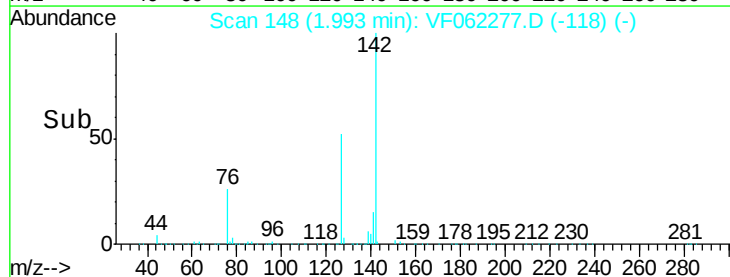
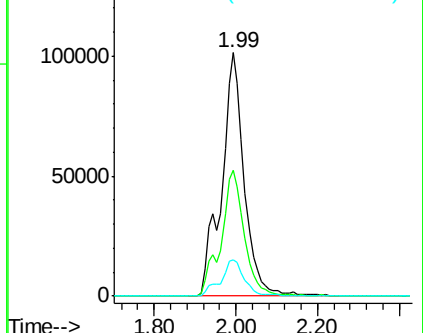
141 15.6 12.3 18.5

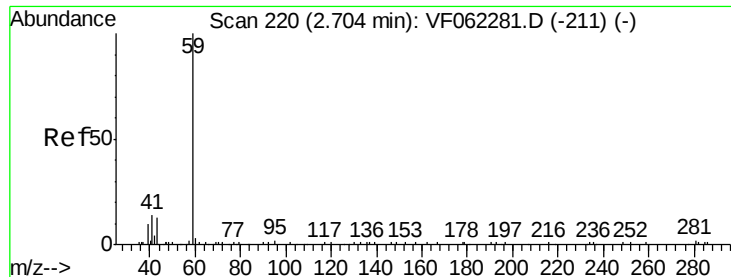


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



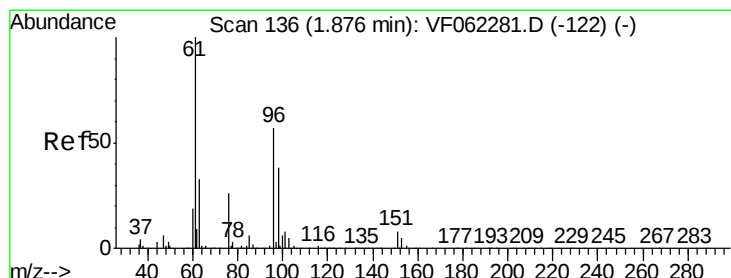
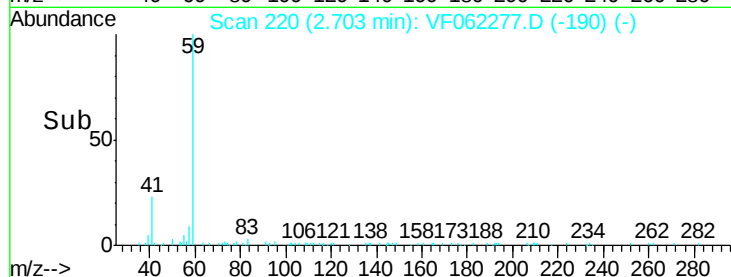
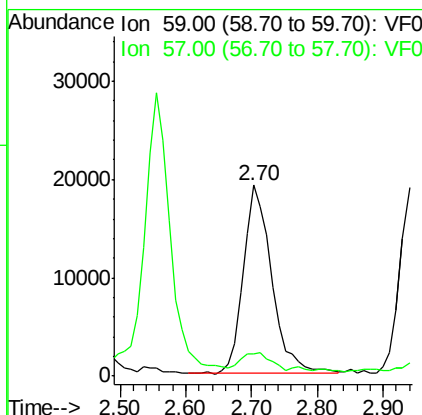
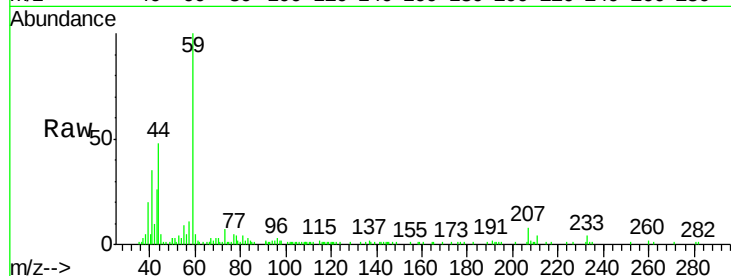


#11

Tert butyl alcohol
Concen: 246.701 ug/l
RT: 2.70 min Scan# 220
Delta R.T. -0.00 min
Lab File: VF062277.D
Acq: 24 Apr 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

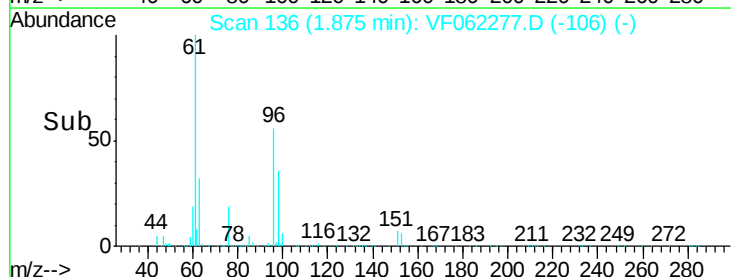
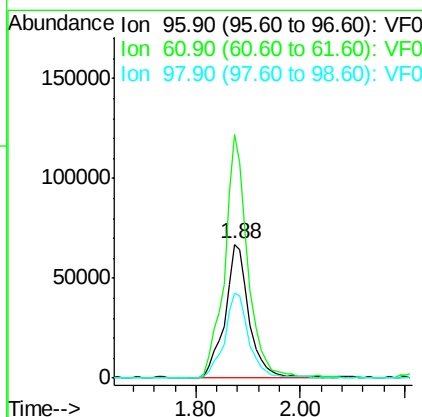
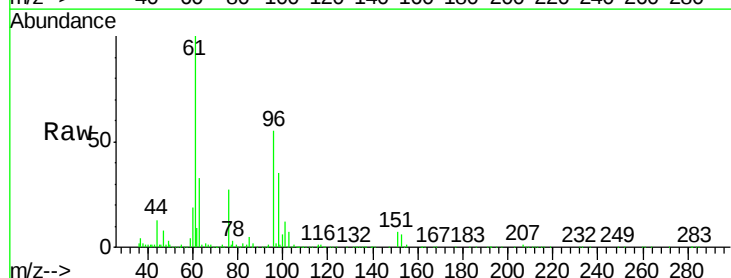
Tot Ion: 59 Resp: 58042
Ion Ratio Lower Upper
59 100
57 9.6 8.8 13.2

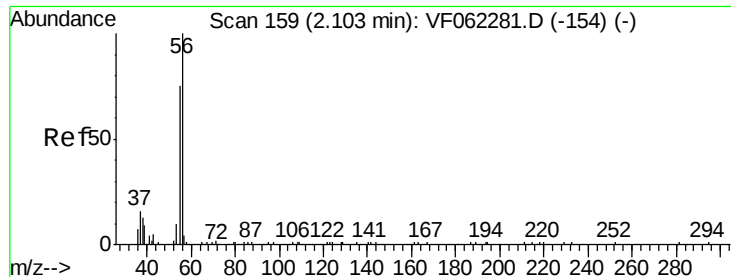


#12

1,1-Dichloroethene
Concen: 48.679 ug/l
RT: 1.88 min Scan# 136
Delta R.T. -0.00 min
Lab File: VF062277.D
Acq: 24 Apr 2019 12:45

Tgt Ion: 96 Resp: 209195
Ion Ratio Lower Upper
96 100
61 182.9 141.1 211.7
98 63.9 53.4 80.0





#13

Acrolein

Concen: 168.357 ug/l

RT: 2.10 min Scan# 159

Delta R.T. -0.00 min

Lab File: VF062277.D

Acq: 24 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

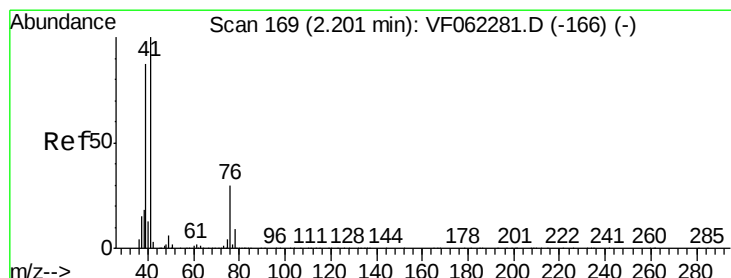
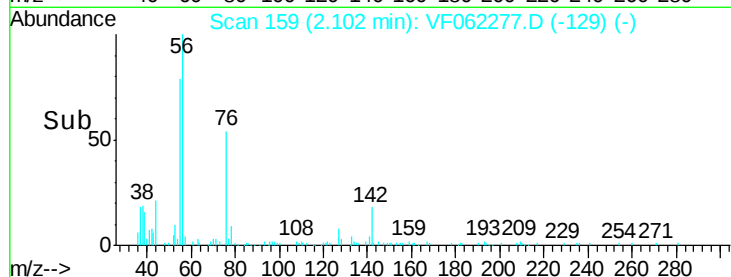
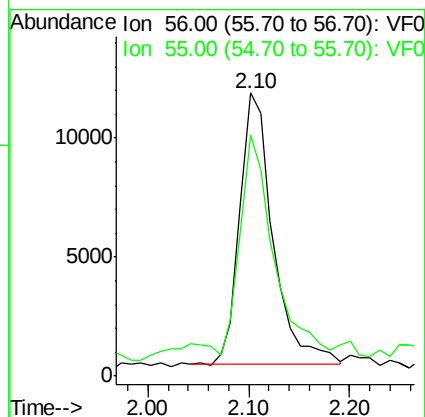
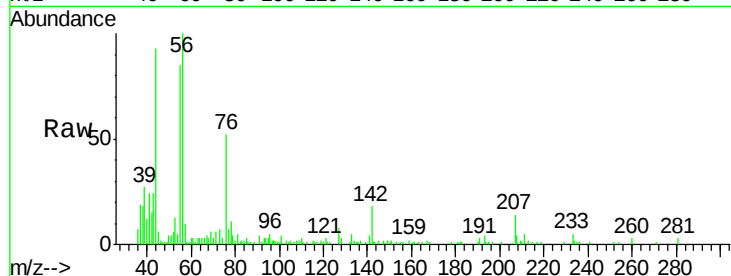
VSTDCCC050

Tot Ion: 56 Resp: 26233

Ion Ratio Lower Upper

56 100

55 81.0 62.3 93.5



#14

Allyl chloride

Concen: 37.830 ug/l

RT: 2.20 min Scan# 169

Delta R.T. -0.00 min

Lab File: VF062277.D

Acq: 24 Apr 2019 12:45

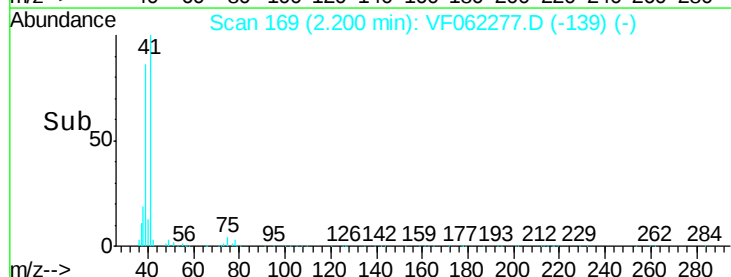
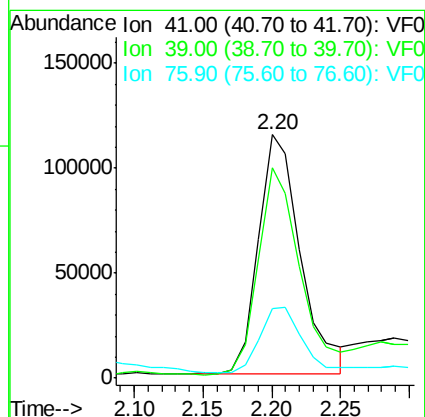
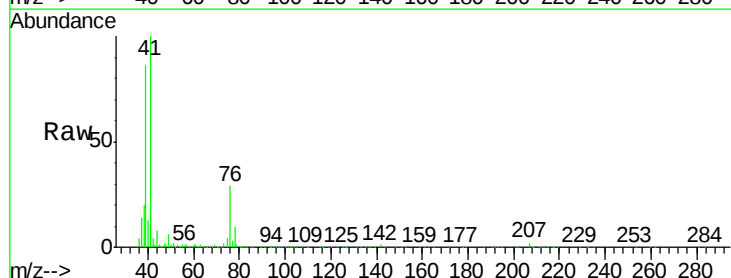
Tgt Ion: 41 Resp: 245101

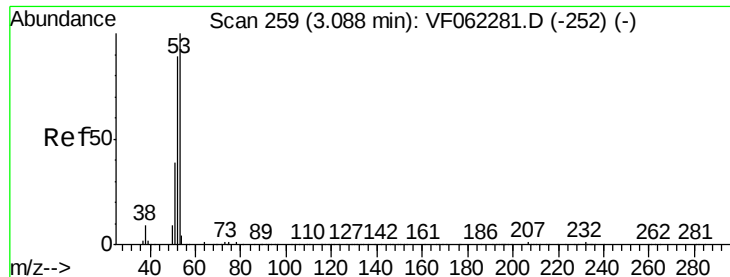
Ion Ratio Lower Upper

41 100

39 86.1 50.3 75.5#

76 27.6 14.8 22.2#





#15

Acrylonitrile

Concen: 222.278 ug/l

RT: 3.10 min Scan# 260

Delta R.T. 0.01 min

Lab File: VF062277.D

Acq: 24 Apr 2019 12:45

Instrument :

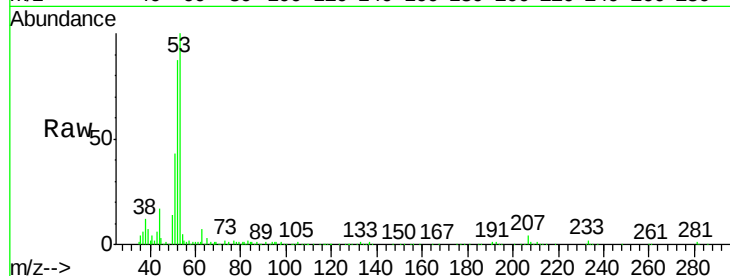
MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 151248

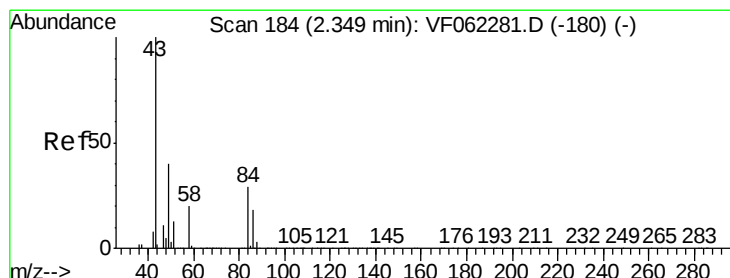
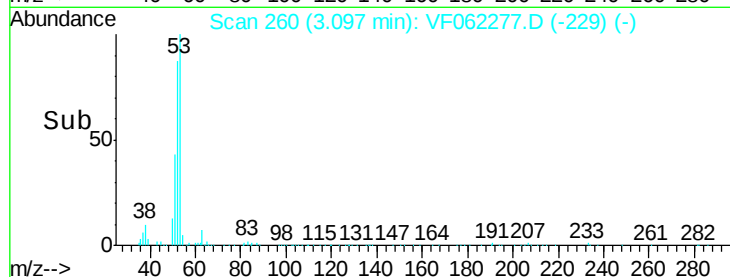
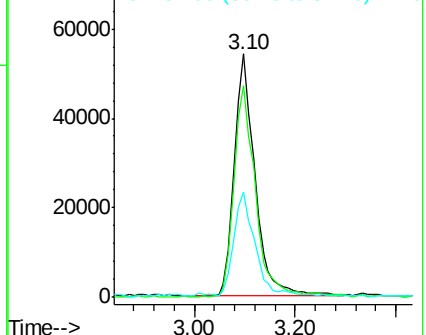
Ion	Ratio	Lower	Upper
53	100		
52	90.5	70.6	105.8
51	42.2	32.6	48.8



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 281.986 ug/l

RT: 2.36 min Scan# 185

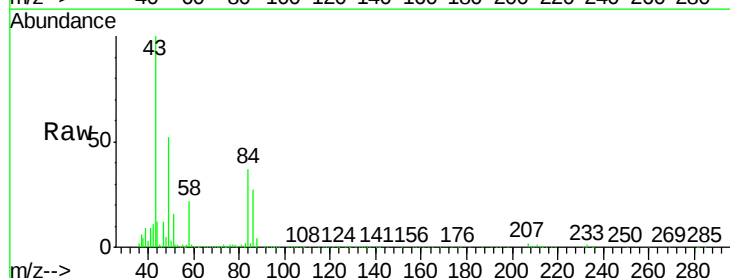
Delta R.T. 0.01 min

Lab File: VF062277.D

Acq: 24 Apr 2019 12:45

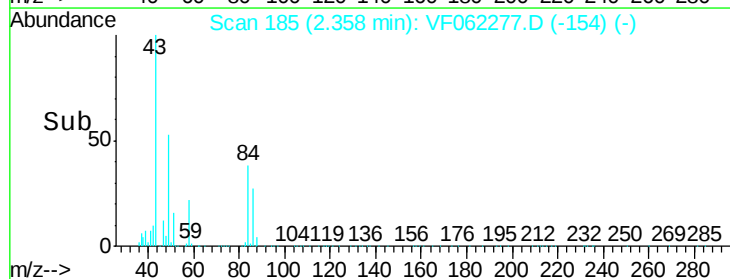
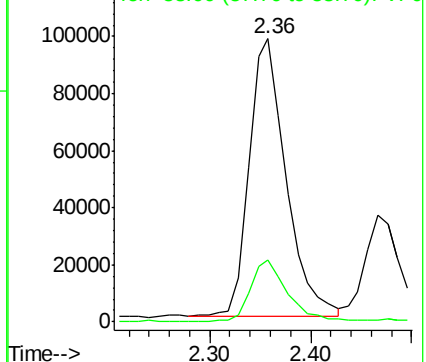
Tgt Ion: 43 Resp: 248949

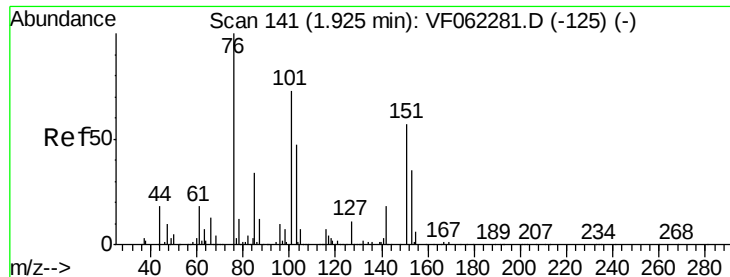
Ion	Ratio	Lower	Upper
43	100		
58	22.0	16.4	24.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 41.562 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062277.D

Acq: 24 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

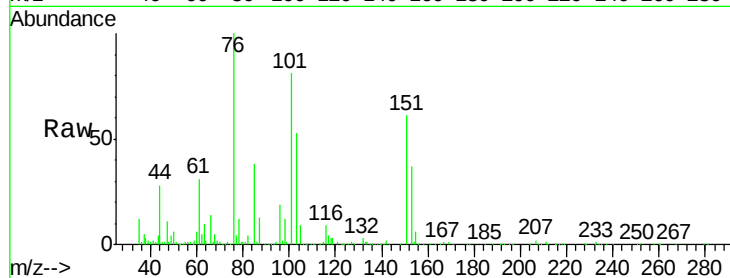
VSTDCCC050

Tot Ion: 76 Resp: 463125

Ion Ratio Lower Upper

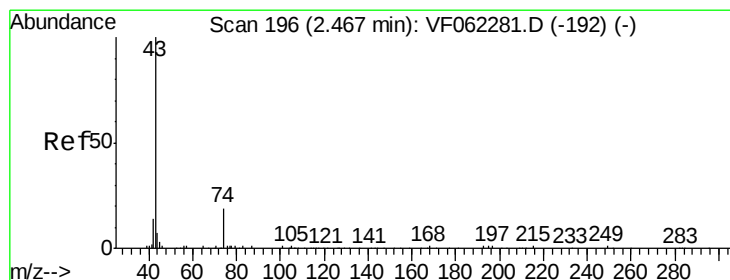
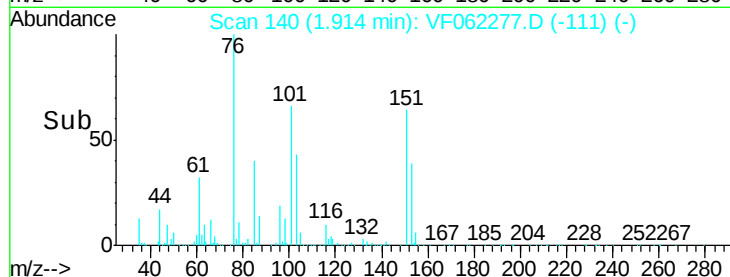
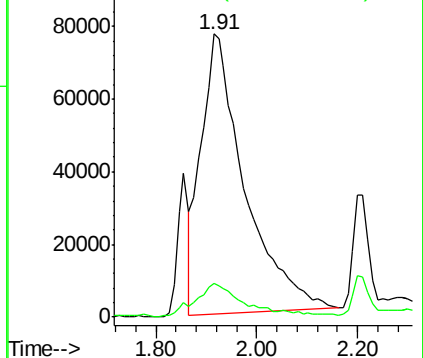
76 100

78 11.5 9.8 14.8



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0



#18

Methyl Acetate

Concen: 39.173 ug/l

RT: 2.47 min Scan# 196

Delta R.T. -0.00 min

Lab File: VF062277.D

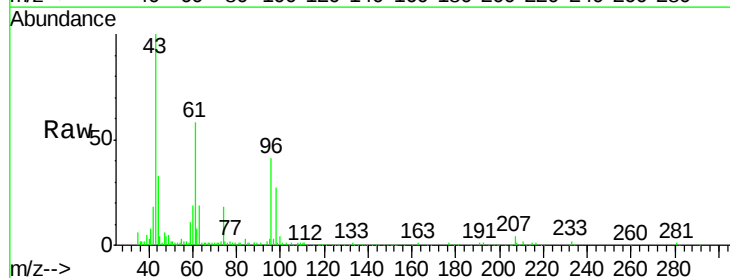
Acq: 24 Apr 2019 12:45

Tgt Ion: 43 Resp: 85748

Ion Ratio Lower Upper

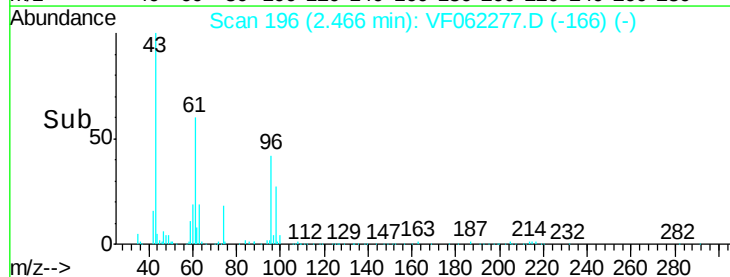
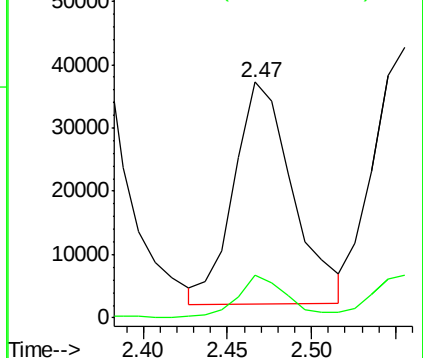
43 100

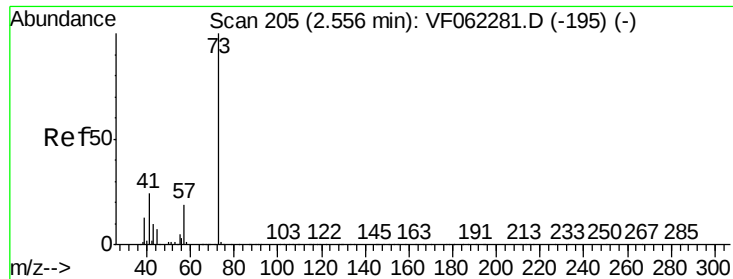
74 15.8 14.4 21.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

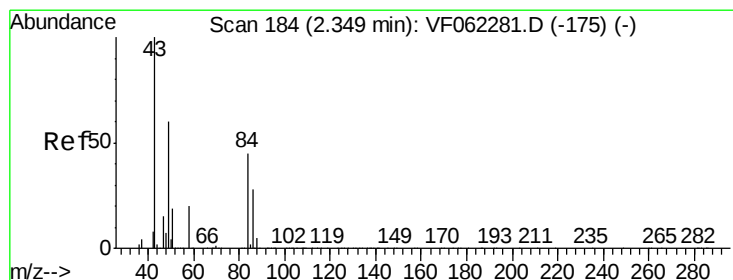
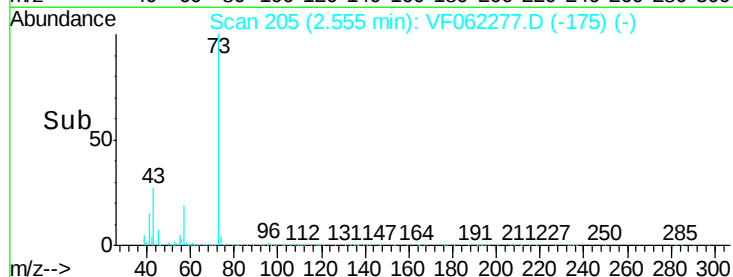
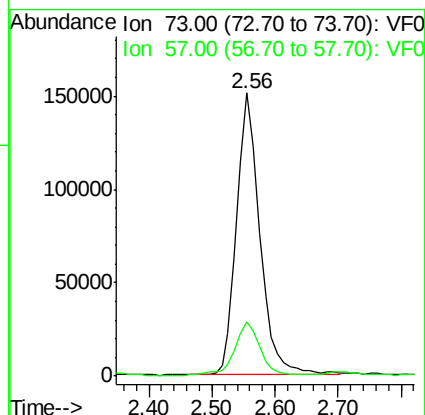
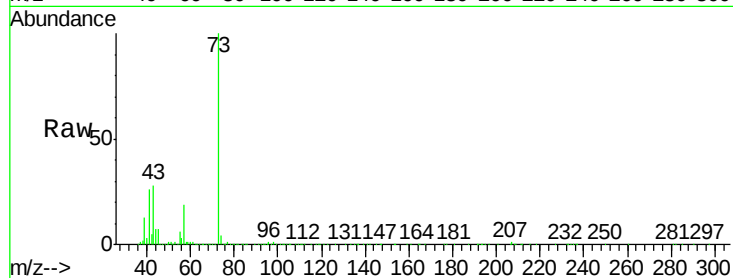




#19
Methvl tert-butvl Ether
Concen: 48.715 ug/l
RT: 2.56 min Scan# 205
Delta R.T. -0.00 min
Lab File: VF062277.D
Acq: 24 Apr 2019 12:45

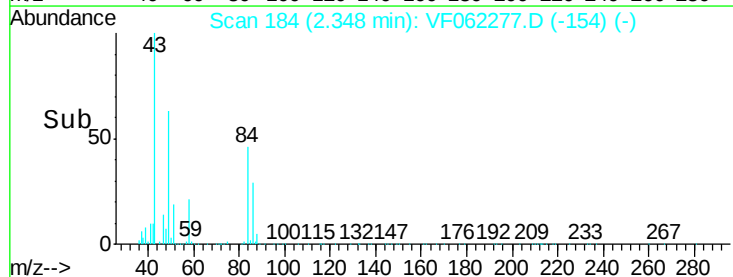
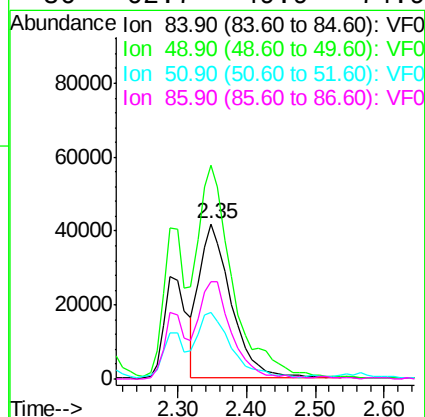
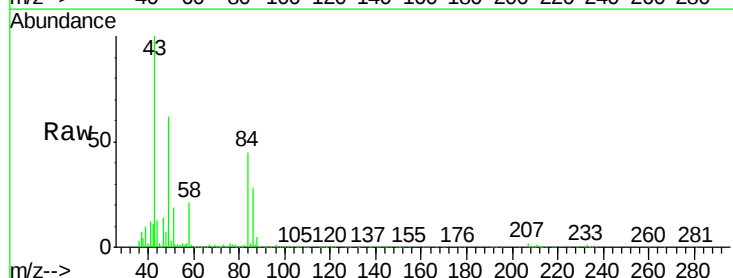
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

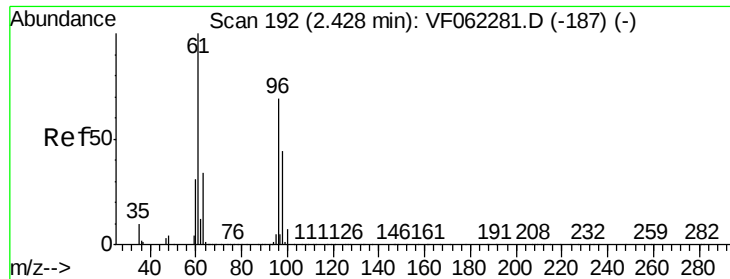
Tot Ion: 73 Resp: 385720
Ion Ratio Lower Upper
73 100
57 18.6 15.5 23.3



#20
Methylene Chloride
Concen: 23.982 ug/l
RT: 2.35 min Scan# 184
Delta R.T. -0.00 min
Lab File: VF062277.D
Acq: 24 Apr 2019 12:45

Tgt Ion: 84 Resp: 133950
Ion Ratio Lower Upper
84 100
49 137.3 112.1 168.1
51 41.1 35.9 53.9
86 62.7 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 46.334 ug/l

RT: 2.43 min Scan# 192

Delta R.T. -0.00 min

Lab File: VF062277.D

Acq: 24 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

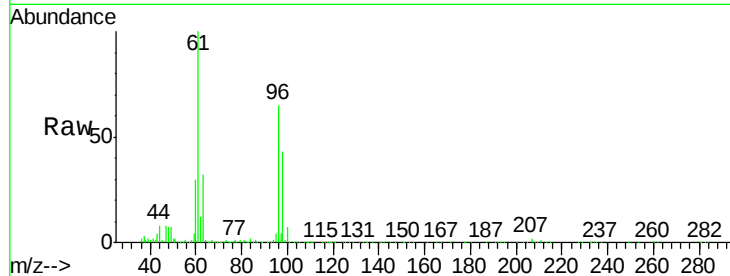
Tot Ion: 96 Resp: 191248

Ion Ratio Lower Upper

96 100

61 152.9 116.2 174.2

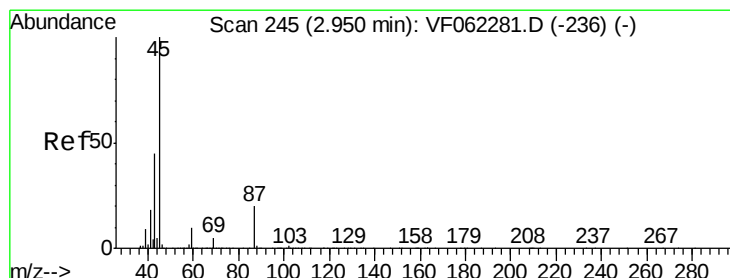
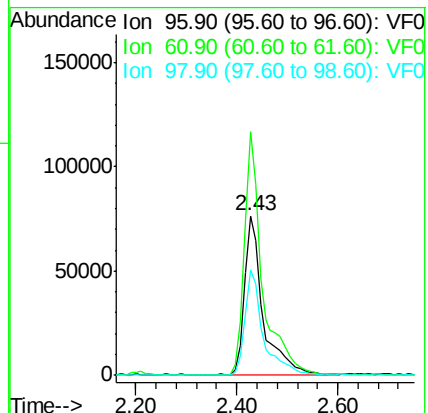
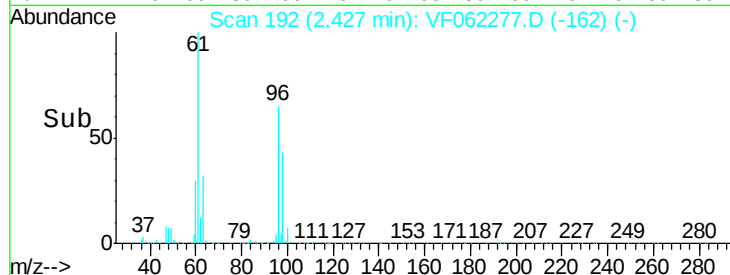
98 65.6 51.4 77.0



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



#22

Diisopropyl ether

Concen: 46.856 ug/l

RT: 2.95 min Scan# 245

Delta R.T. -0.00 min

Lab File: VF062277.D

Acq: 24 Apr 2019 12:45

Tgt Ion: 45 Resp: 577809

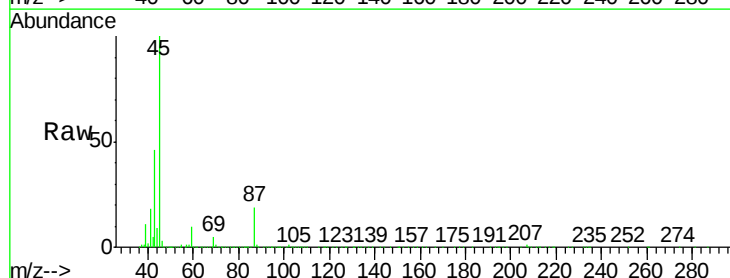
Ion Ratio Lower Upper

45 100

43 45.5 36.2 54.2

87 19.5 15.8 23.6

59 9.6 7.8 11.8

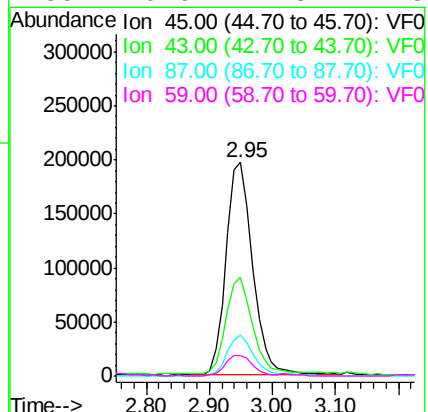
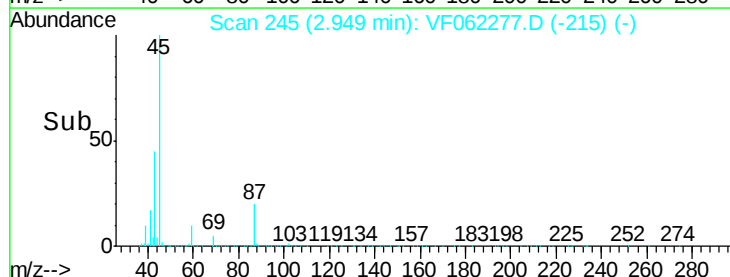


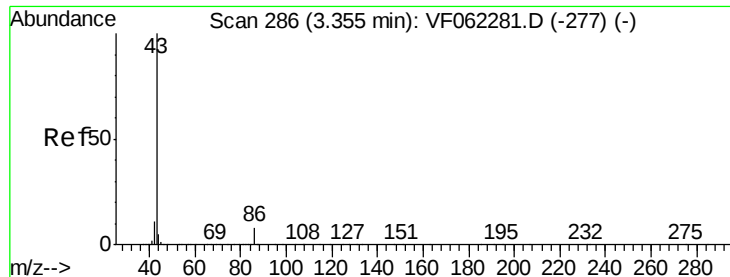
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 246.820 ug/l

RT: 3.35 min Scan# 286

Delta R.T. -0.00 min

Lab File: VF062277.D

Acq: 24 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

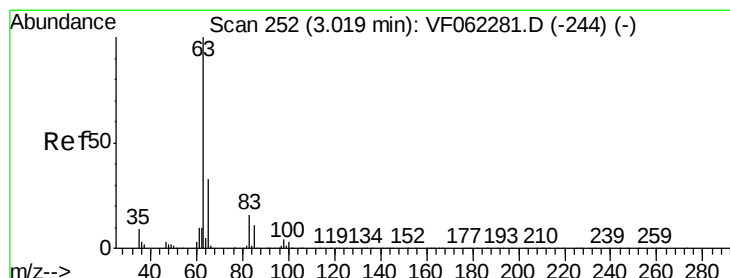
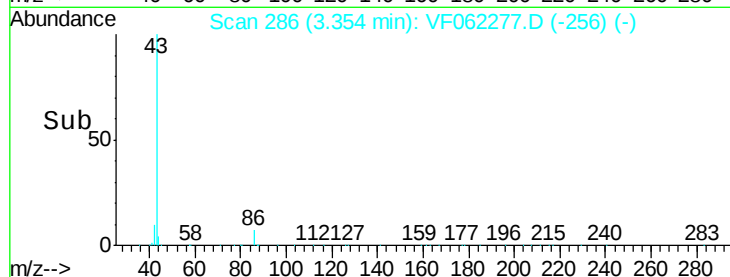
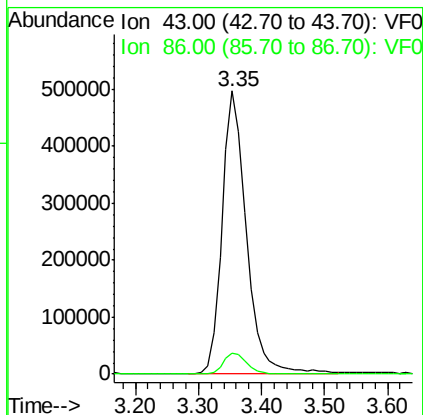
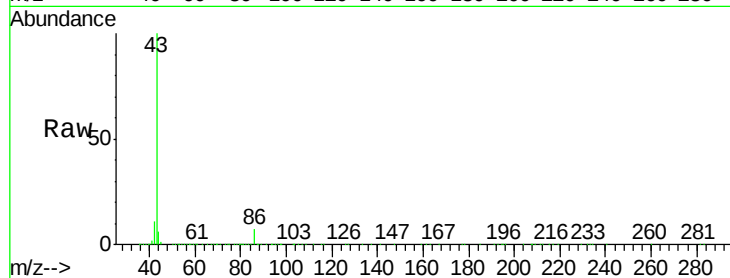
VSTDCCC050

Tot Ion: 43 Resp: 1318668

Ion Ratio Lower Upper

43 100

86 7.5 6.0 9.0



#24

1,1-Dichloroethane

Concen: 49.604 ug/l

RT: 3.02 min Scan# 252

Delta R.T. -0.00 min

Lab File: VF062277.D

Acq: 24 Apr 2019 12:45

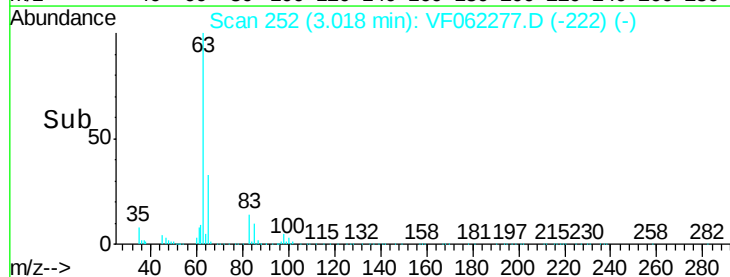
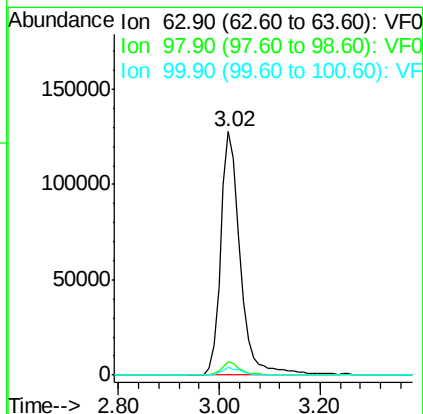
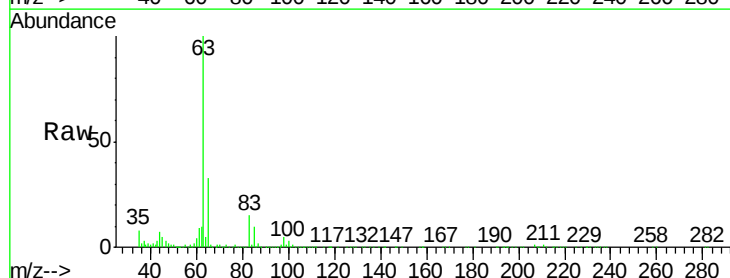
Tgt Ion: 63 Resp: 343150

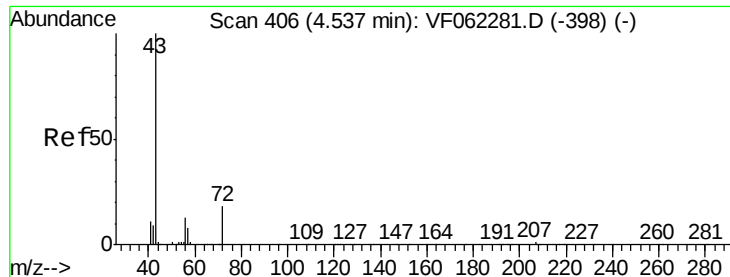
Ion Ratio Lower Upper

63 100

98 5.4 2.1 6.2

100 3.3 1.5 4.5





#25

2-Butanone

Concen: 254.648 ug/l

RT: 4.54 min Scan# 406

Delta R.T. -0.00 min

Lab File: VF062277.D

Acq: 24 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

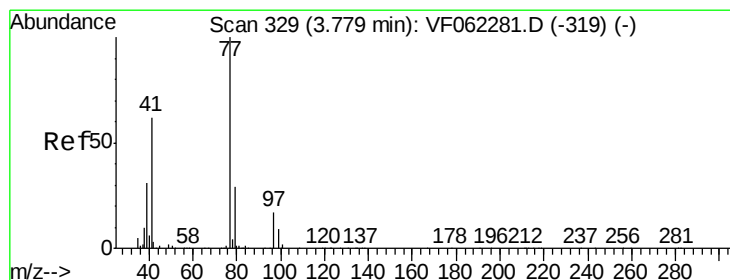
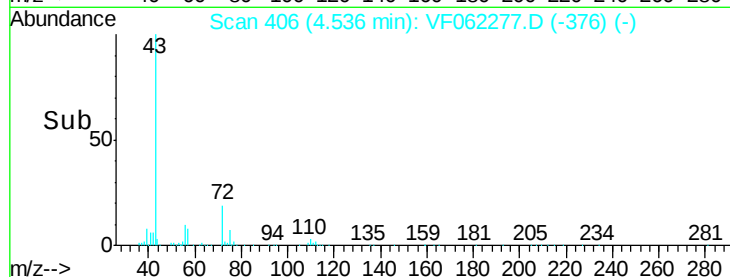
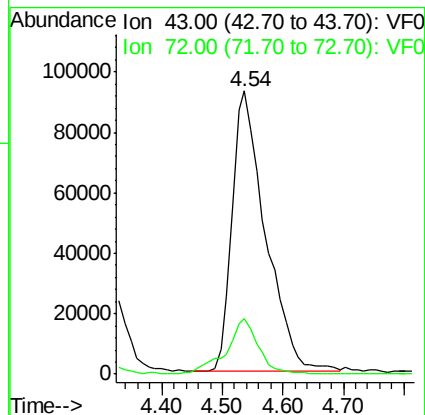
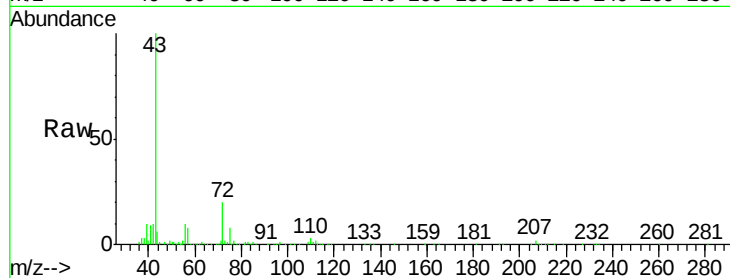
VSTDCCC050

Tot Ion: 43 Resp: 356309

Ion Ratio Lower Upper

43 100

72 19.7 15.8 23.6



#26

2,2-Dichloropropane

Concen: 50.920 ug/l

RT: 3.79 min Scan# 330

Delta R.T. 0.01 min

Lab File: VF062277.D

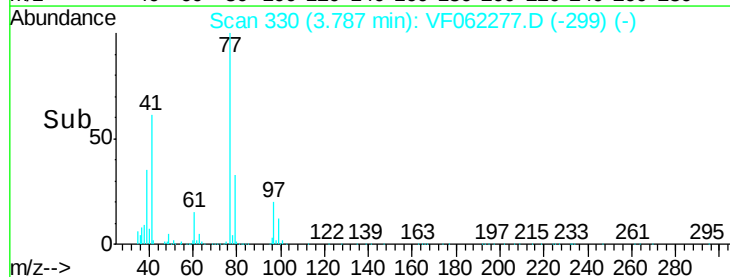
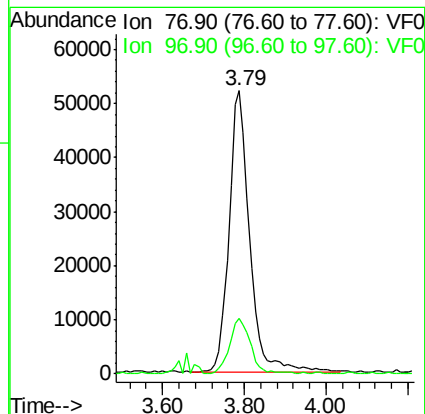
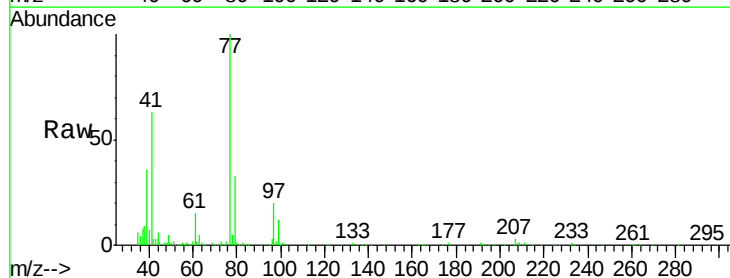
Acq: 24 Apr 2019 12:45

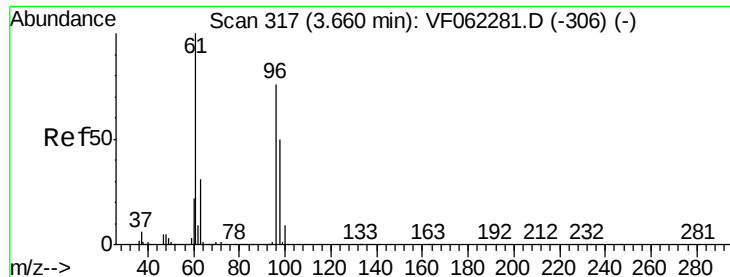
Tgt Ion: 77 Resp: 183973

Ion Ratio Lower Upper

77 100

97 19.8 10.3 30.8



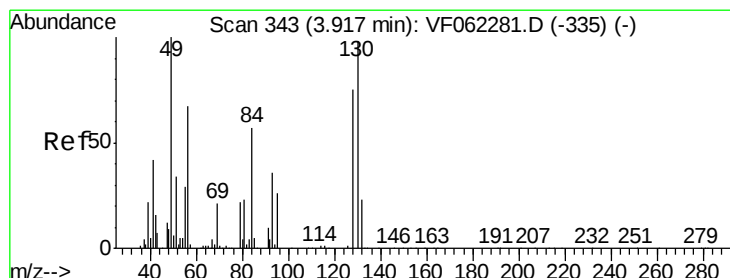
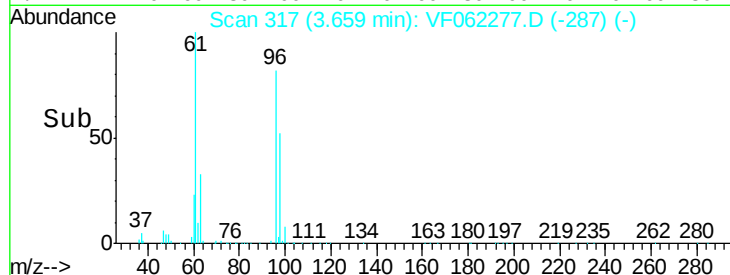
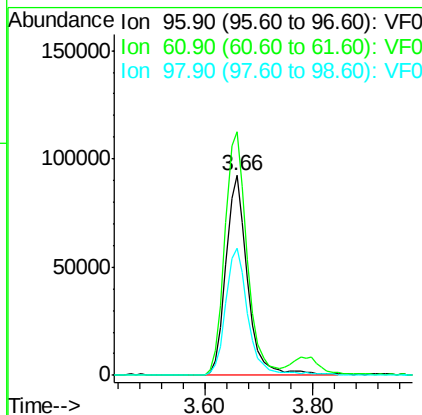
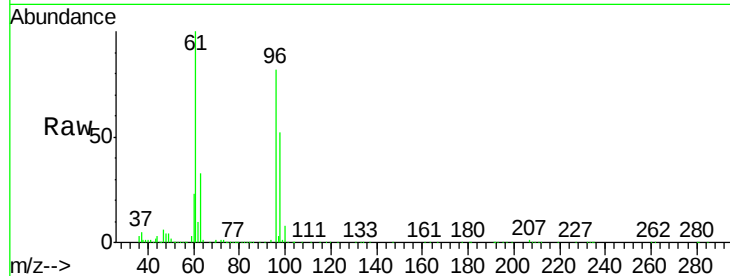


#27

cis-1,2-Dichloroethene
 Concen: 48.103 ug/l
 RT: 3.66 min Scan# 317
 Delta R.T. -0.00 min
 Lab File: VF062277.D
 Acq: 24 Apr 2019 12:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

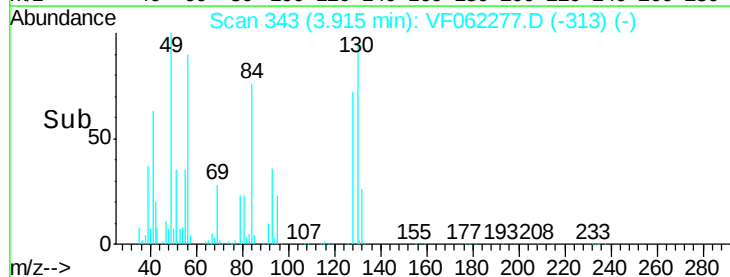
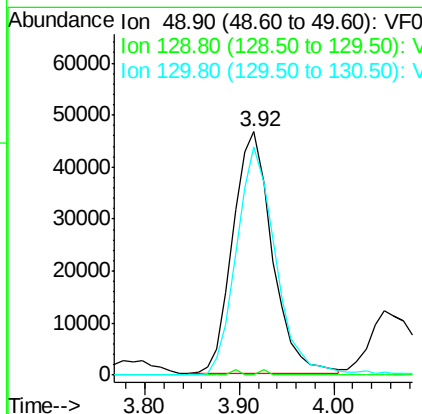
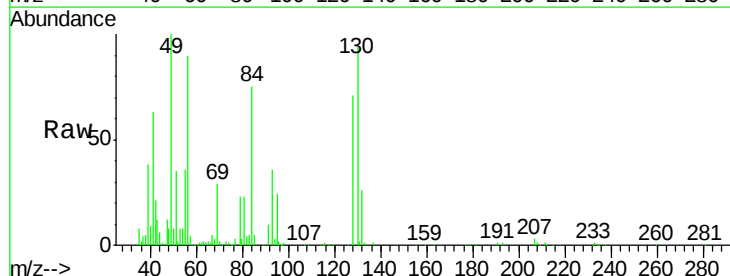
Tot Ion	96	Resp	253977
Ion	Ratio	Lower	Upper
96	100		
61	125.4	0.0	257.6
98	65.2	0.0	137.4

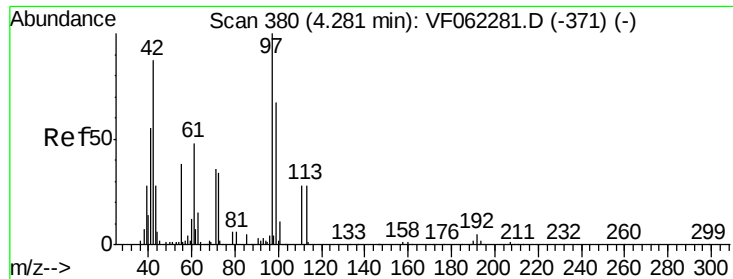


#28

Bromochloromethane
 Concen: 44.750 ug/l
 RT: 3.92 min Scan# 343
 Delta R.T. -0.00 min
 Lab File: VF062277.D
 Acq: 24 Apr 2019 12:45

Tgt Ion	49	Resp	135385
Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	0.0#
130	95.0	77.0	115.4

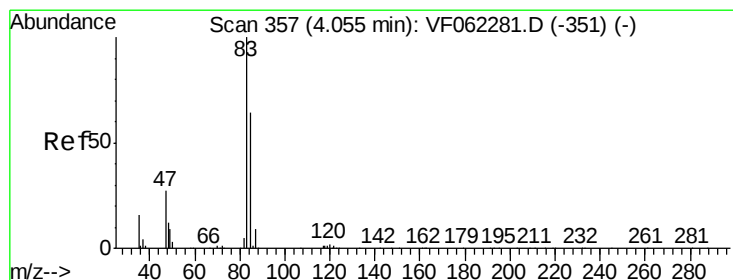
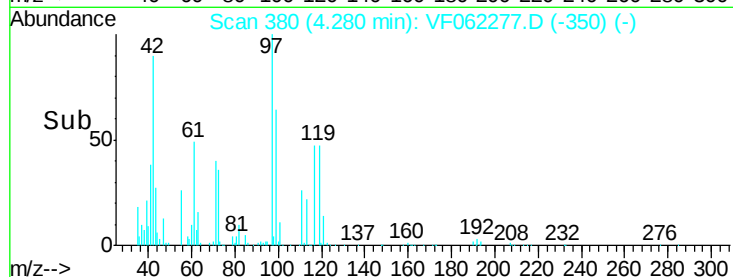
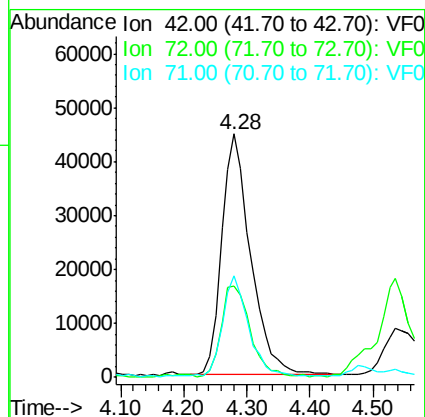
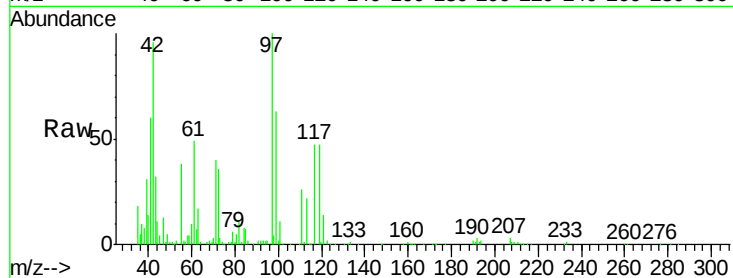




#29
Tetrahydrofuran
Concen: 234.243 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.00 min
Lab File: VF062277.D
Acq: 24 Apr 2019 12:45

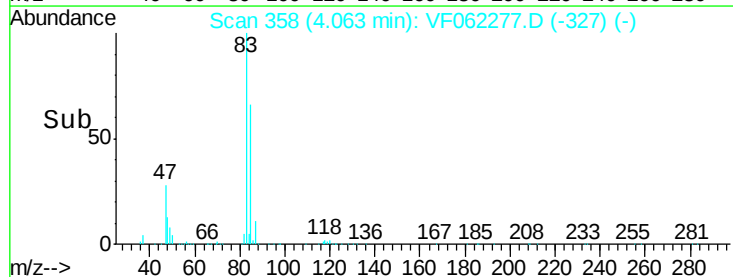
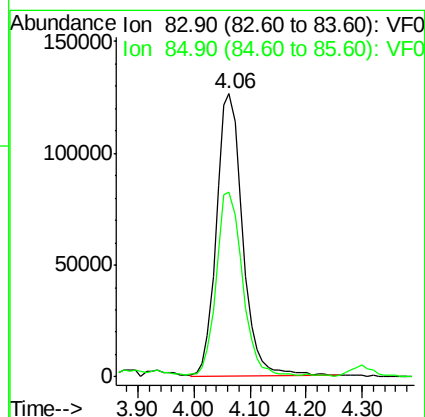
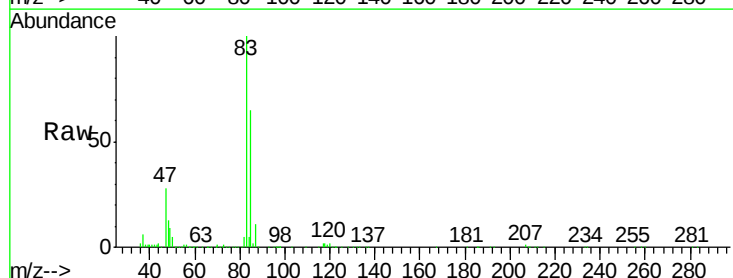
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

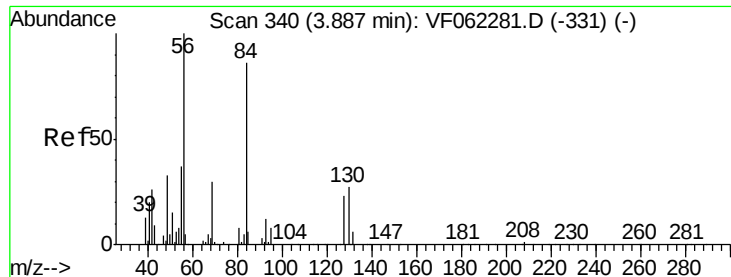
Tot Ion	Ratio	Lower	Upper
42	100		
72	37.4	29.3	43.9
71	40.0	31.2	46.8



#30
Chloroform
Concen: 47.877 ug/l
RT: 4.06 min Scan# 358
Delta R.T. 0.01 min
Lab File: VF062277.D
Acq: 24 Apr 2019 12:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.1	76.7

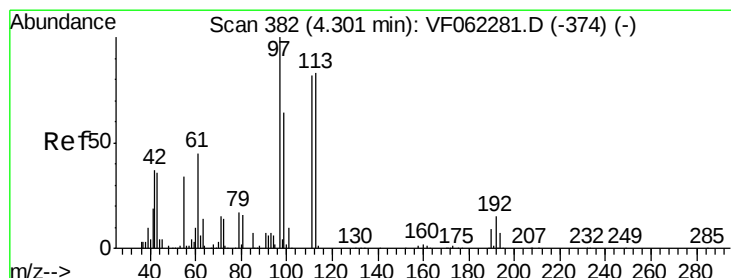
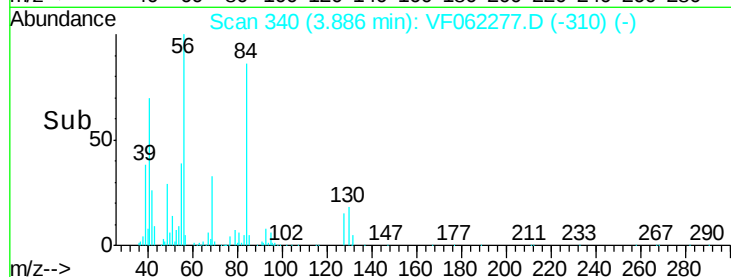
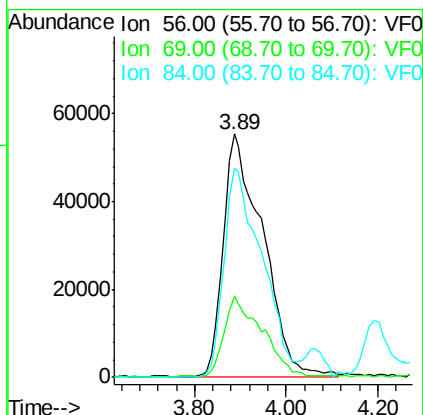
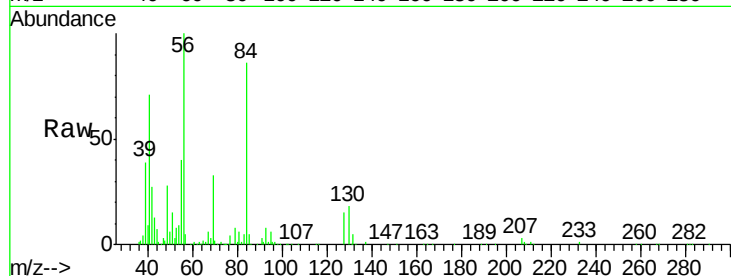




#31
Cyclohexane
Concen: 49.260 ug/l
RT: 3.89 min Scan# 340
Delta R.T. -0.00 min
Lab File: VF062277.D
Acq: 24 Apr 2019 12:45

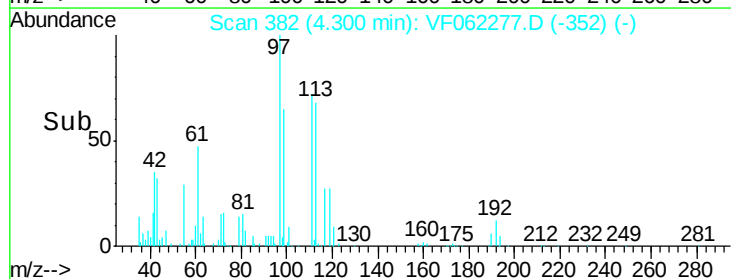
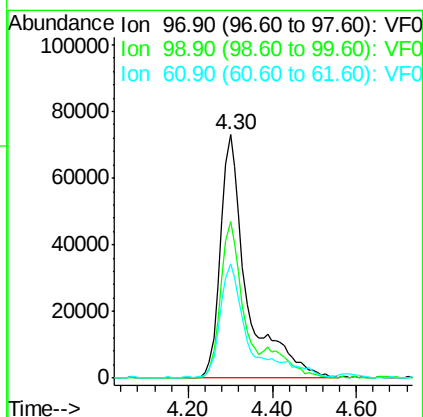
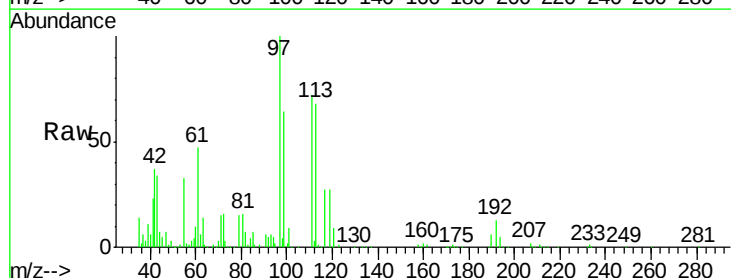
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

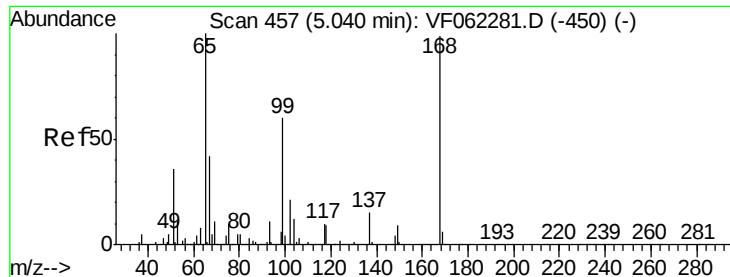
Tot Ion	56	Resp	329642
Ion Ratio	Lower	Upper	
56	100		
69	32.8	24.3	36.5
84	85.7	68.5	102.7



#32
1,1,1-Trichloroethane
Concen: 50.192 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.00 min
Lab File: VF062277.D
Acq: 24 Apr 2019 12:45

Tgt Ion	97	Resp	322533
Ion Ratio	Lower	Upper	
97	100		
99	51.6	41.6	62.4
61	49.1	31.6	47.4#





#33

1,2-Dichloroethane-d4

Concen: 50.189 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.00 min

Lab File: VF062277.D

Acq: 24 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

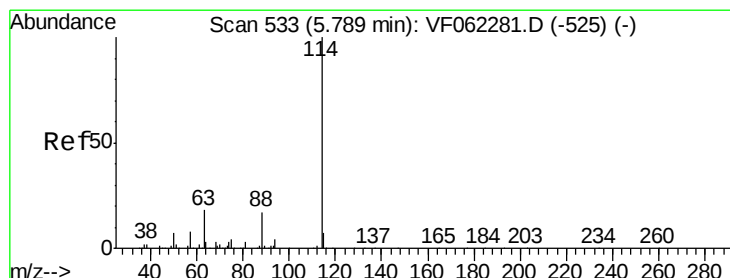
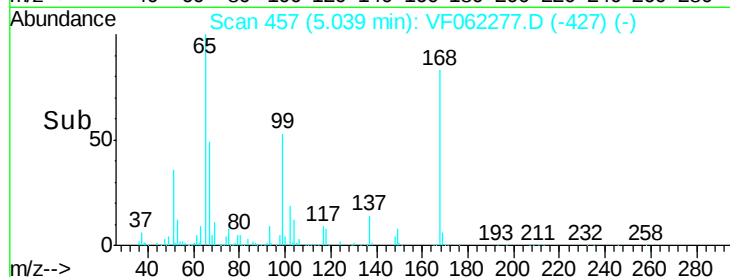
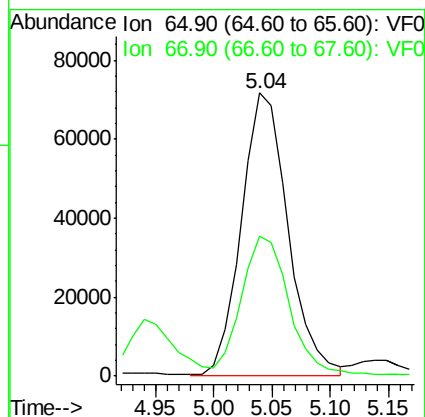
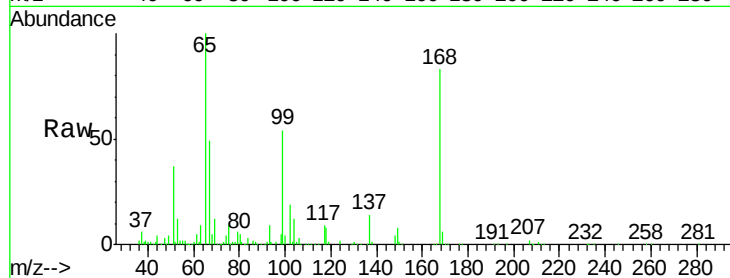
VSTDCCC050

Tot Ion: 65 Resp: 198323

Ion Ratio Lower Upper

65 100

67 50.4 0.0 98.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. -0.00 min

Lab File: VF062277.D

Acq: 24 Apr 2019 12:45

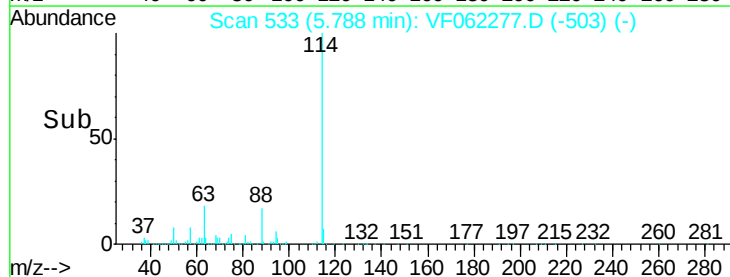
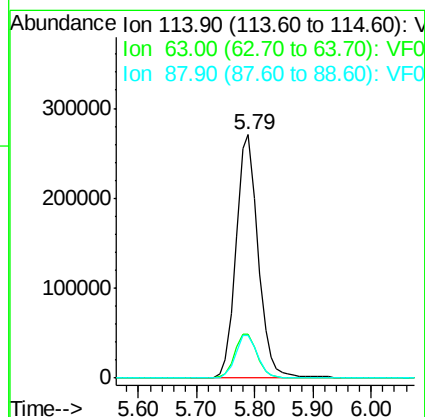
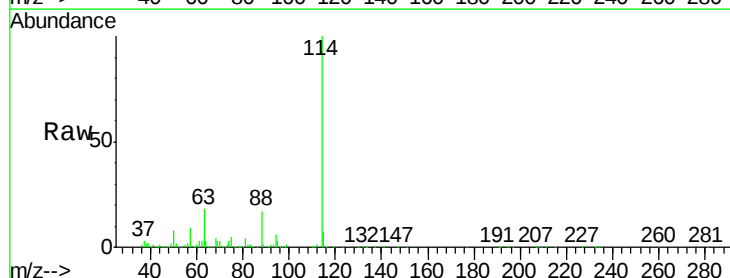
Tgt Ion:114 Resp: 715018

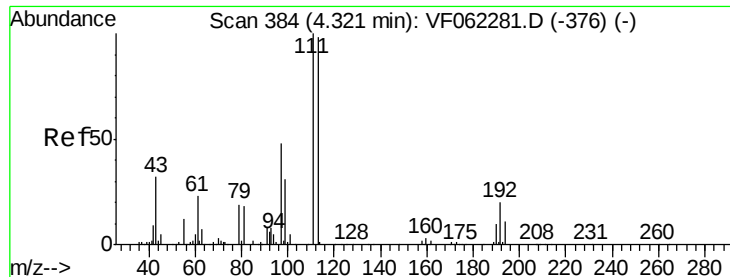
Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.6

88 17.4 0.0 34.6

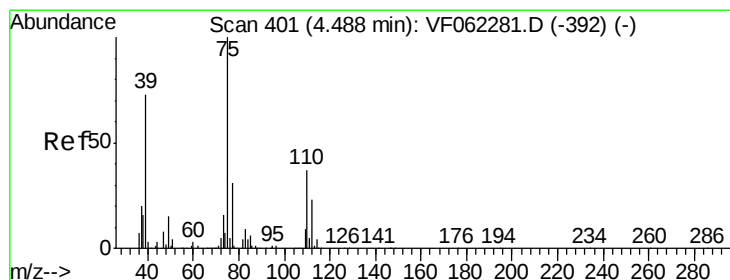
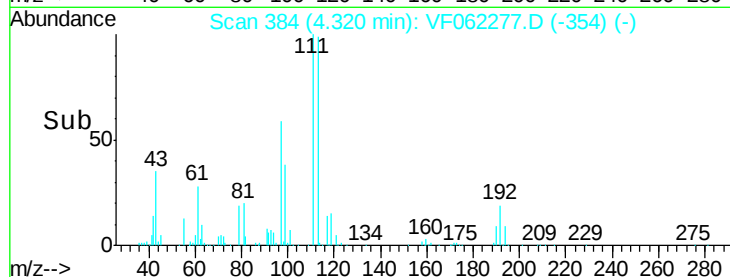
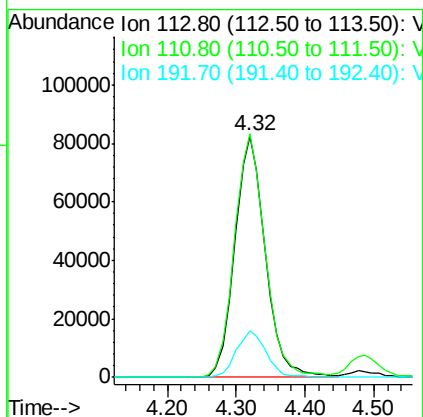
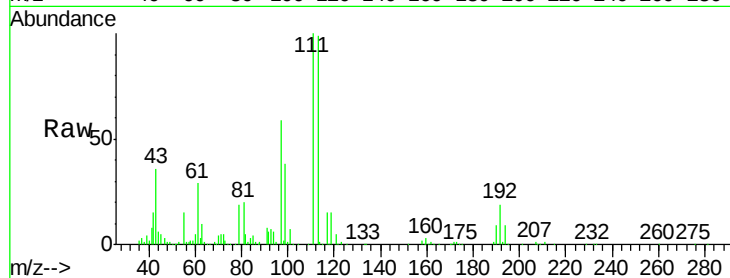




#35
 Dibromofluoromethane
 Concen: 46.370 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VF062277.D
 Acq: 24 Apr 2019 12:45

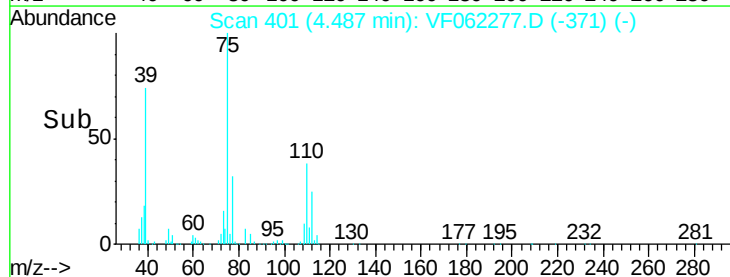
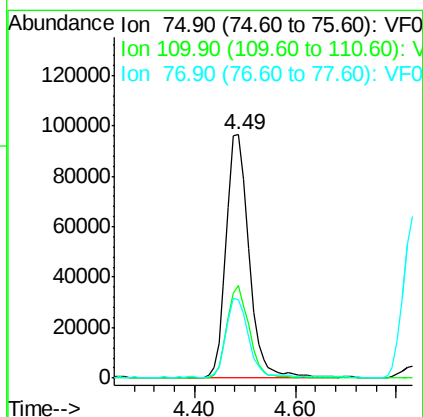
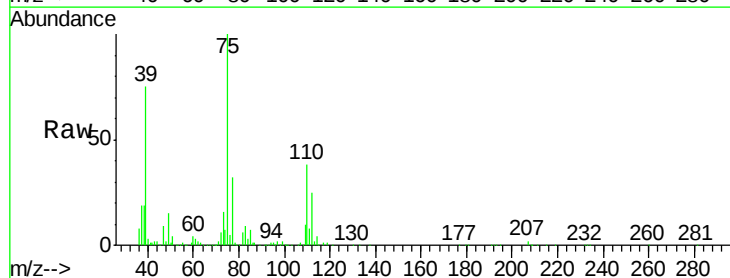
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

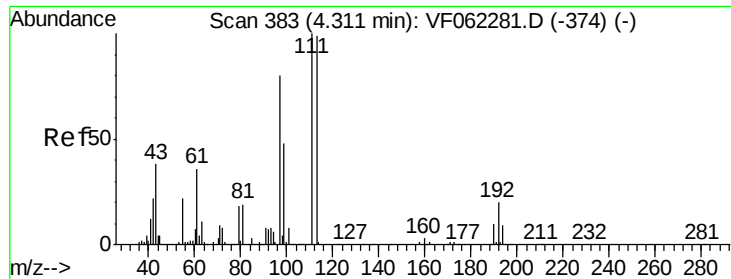
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.4	122.2
192	19.2	17.0	25.4



#36
 1,1-Dichloropropene
 Concen: 44.886 ug/l
 RT: 4.49 min Scan# 401
 Delta R.T. -0.00 min
 Lab File: VF062277.D
 Acq: 24 Apr 2019 12:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	17.9	53.8
77	30.8	24.6	36.8

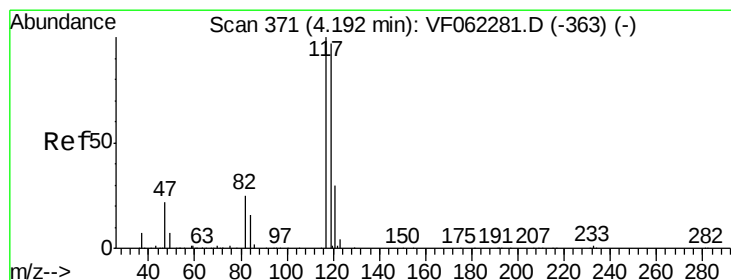
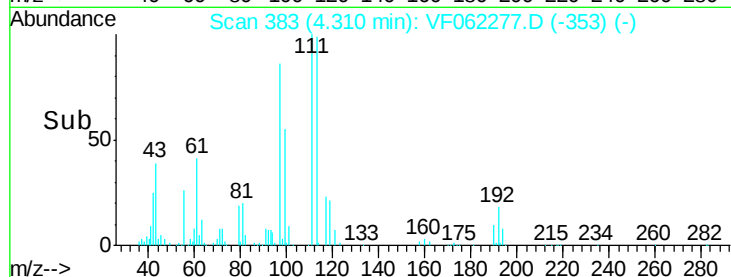
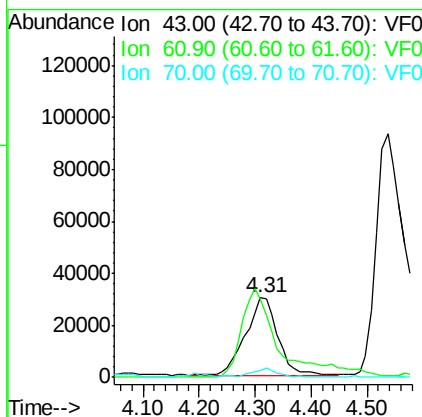
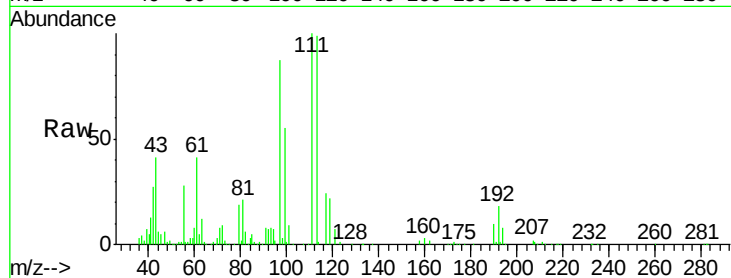




#37
Ethyl Acetate
Concen: 42.897 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.00 min
Lab File: VF062277.D
Acq: 24 Apr 2019 12:45

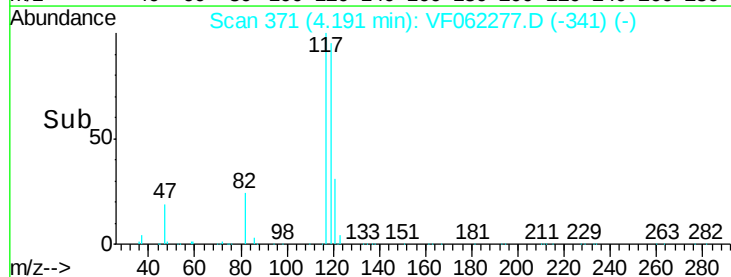
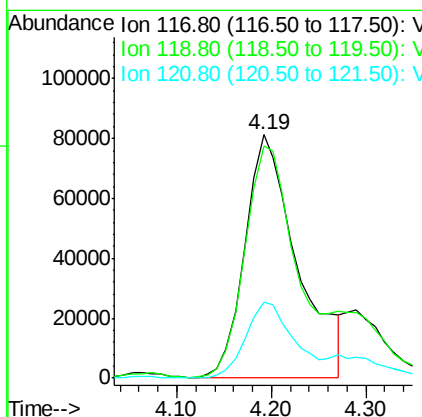
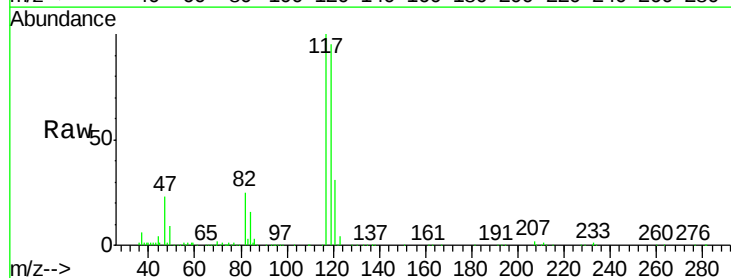
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

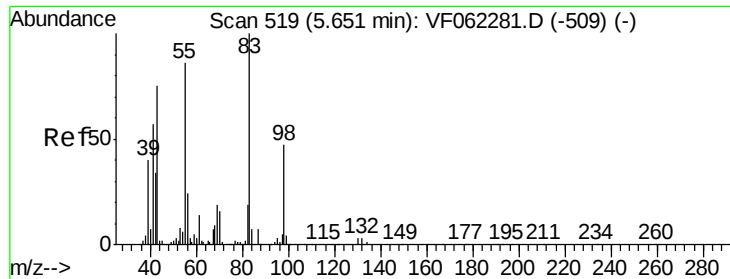
Tot Ion: 43 Resp: 119614
Ion Ratio Lower Upper
43 100
61 132.3 85.8 128.6#
70 9.0 7.3 10.9



#38
Carbon Tetrachloride
Concen: 47.137 ug/l
RT: 4.19 min Scan# 371
Delta R.T. -0.00 min
Lab File: VF062277.D
Acq: 24 Apr 2019 12:45

Tgt Ion: 117 Resp: 312782
Ion Ratio Lower Upper
117 100
119 95.1 77.3 115.9
121 31.0 24.3 36.5

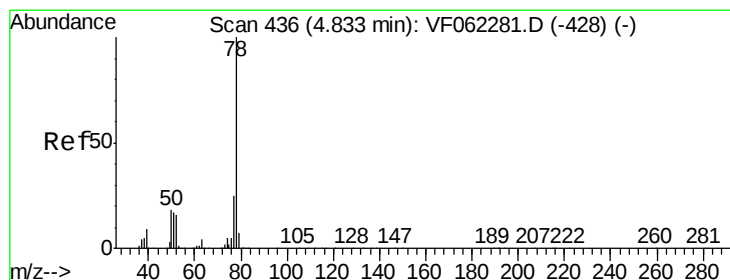
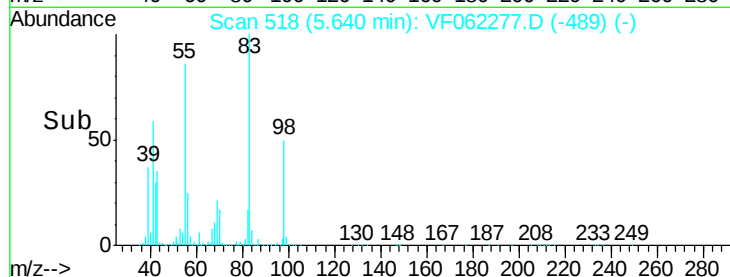
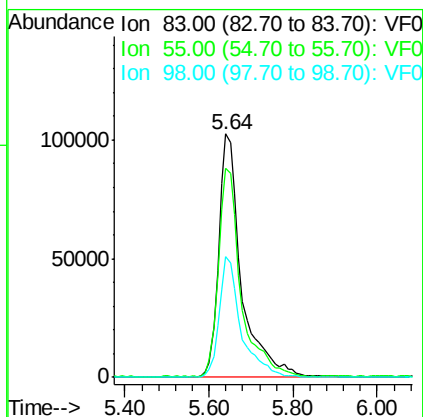
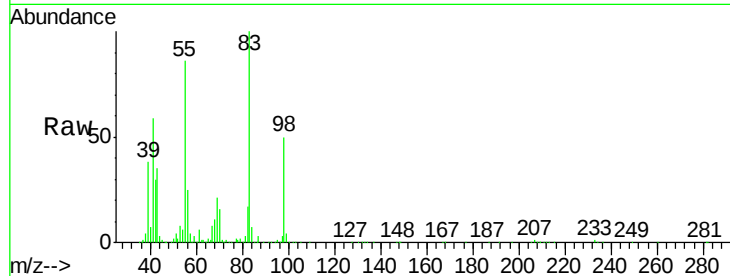




#39
Methvlcvclohexane
Concen: 48.159 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.01 min
Lab File: VF062277.D
Acq: 24 Apr 2019 12:45

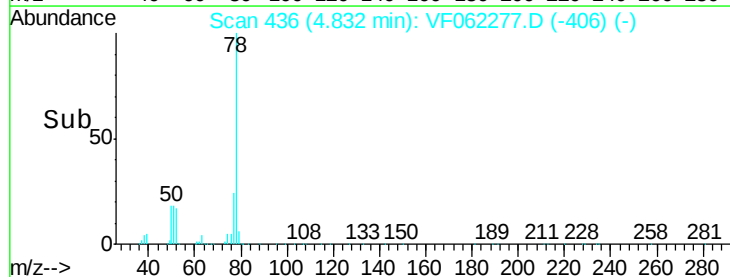
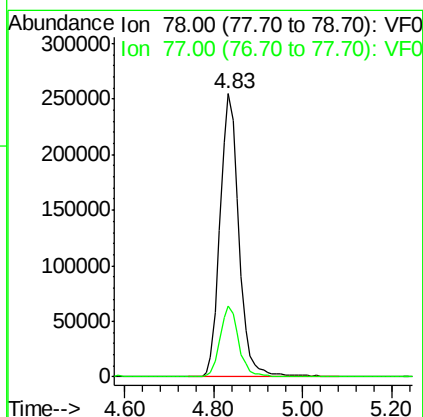
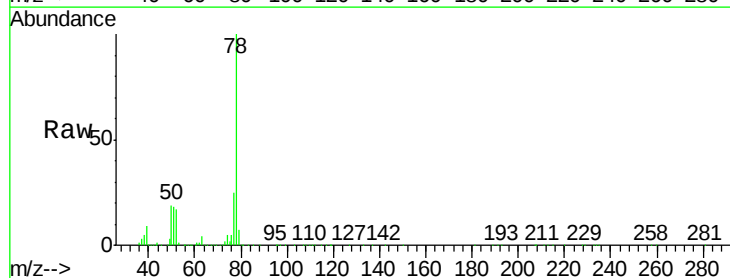
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

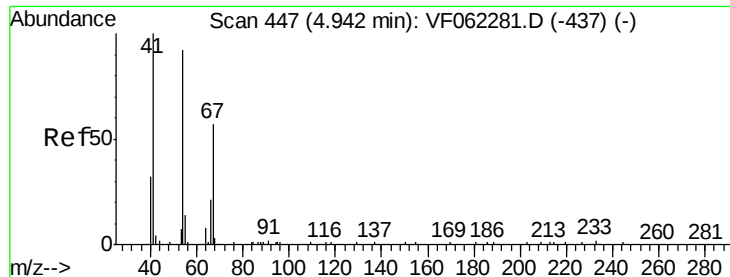
Tot Ion: 83 Resp: 385408
Ion Ratio Lower Upper
83 100
55 85.4 68.7 103.1
98 49.6 37.4 56.2



#40
Benzene
Concen: 45.981 ug/l
RT: 4.83 min Scan# 436
Delta R.T. -0.00 min
Lab File: VF062277.D
Acq: 24 Apr 2019 12:45

Tgt Ion: 78 Resp: 753160
Ion Ratio Lower Upper
78 100
77 25.0 19.7 29.5





#41

Methacrylonitrile

Concen: 46.054 ug/l

RT: 4.94 min Scan# 447

Delta R.T. -0.00 min

Lab File: VF062277.D

Acq: 24 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 71729

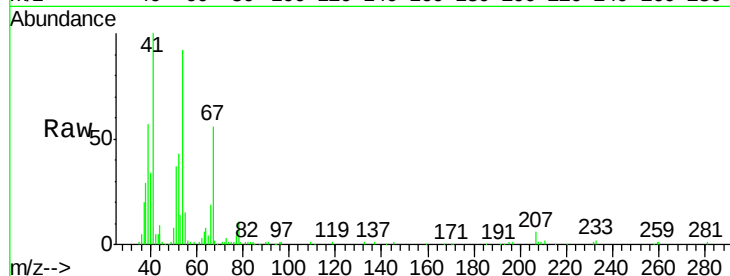
Ion Ratio Lower Upper

41 100

39 65.5 47.3 70.9

67 58.0 41.3 61.9

52 71.2 49.4 74.2

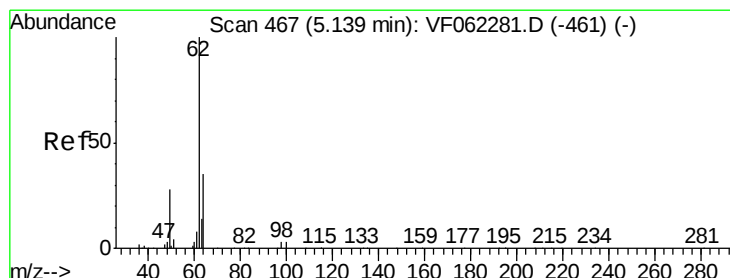
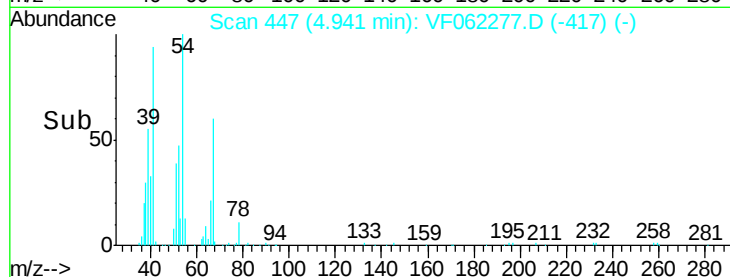
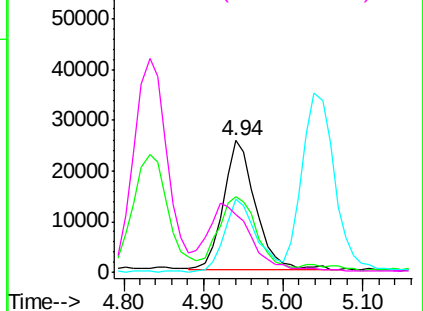


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 48.140 ug/l

RT: 5.14 min Scan# 467

Delta R.T. -0.00 min

Lab File: VF062277.D

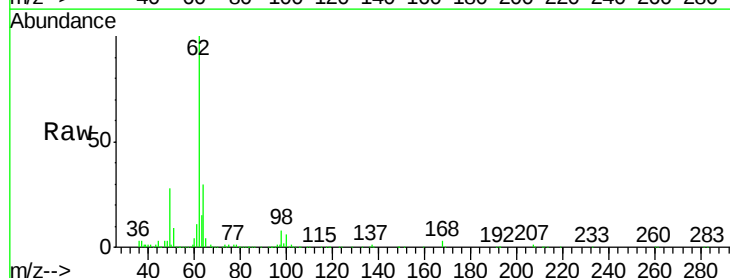
Acq: 24 Apr 2019 12:45

Tgt Ion: 62 Resp: 242153

Ion Ratio Lower Upper

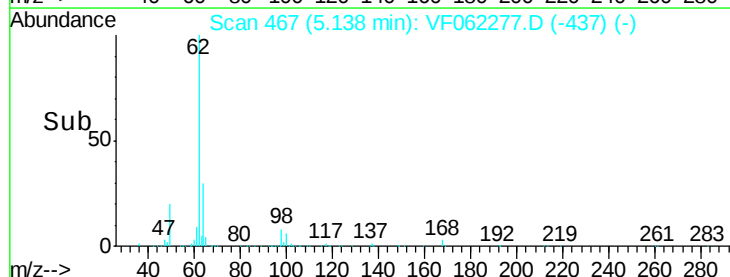
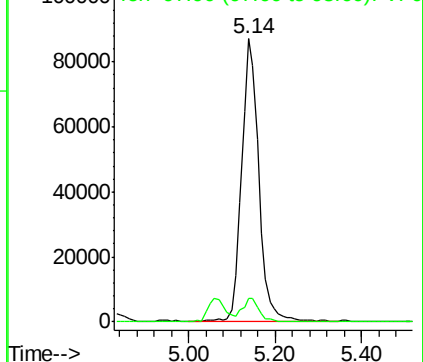
62 100

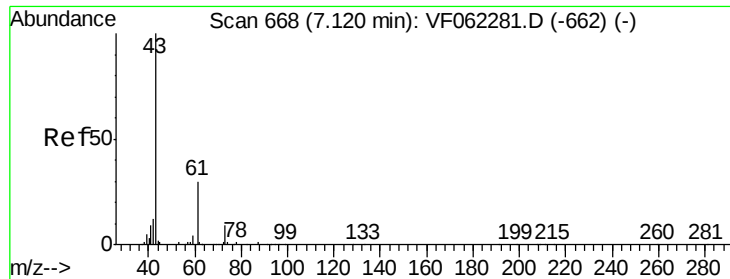
98 7.9 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 97.90 (97.60 to 98.60): VF0





#43

Isopropyl Acetate

Concen: 43.371 ug/l

RT: 7.13 min Scan# 669

Delta R.T. 0.01 min

Lab File: VF062277.D

Acq: 24 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

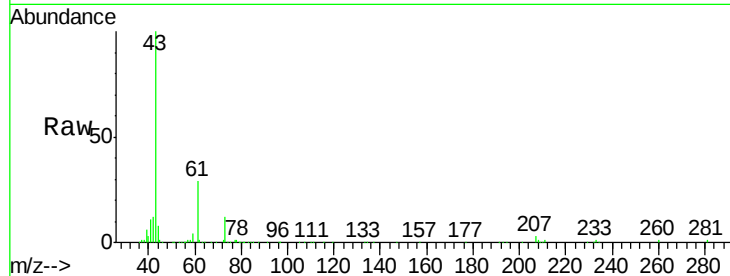
Tot Ion: 43 Resp: 127553

Ion Ratio Lower Upper

43 100

61 30.2 23.8 35.6

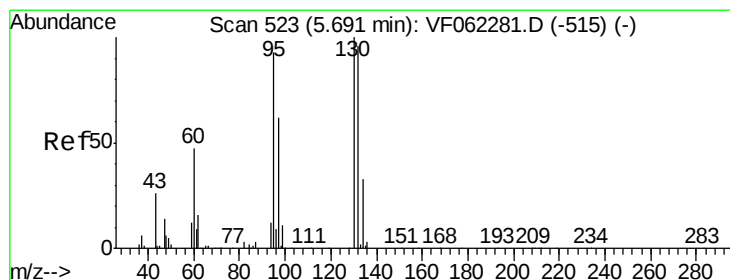
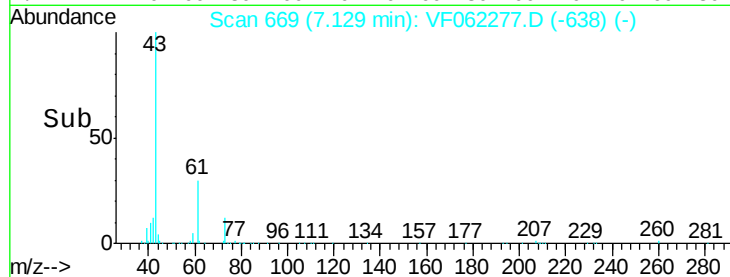
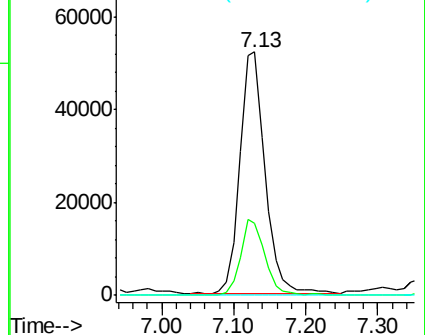
87 0.4 0.5 0.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 44.359 ug/l

RT: 5.70 min Scan# 524

Delta R.T. 0.01 min

Lab File: VF062277.D

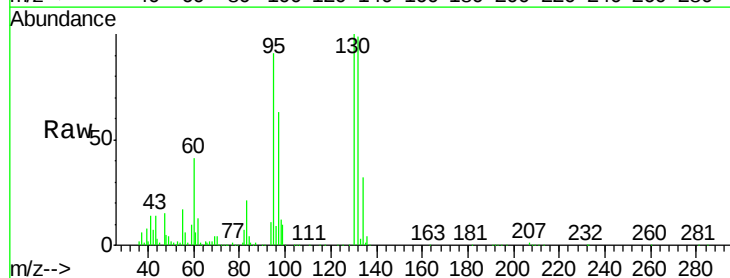
Acq: 24 Apr 2019 12:45

Tgt Ion: 130 Resp: 245746

Ion Ratio Lower Upper

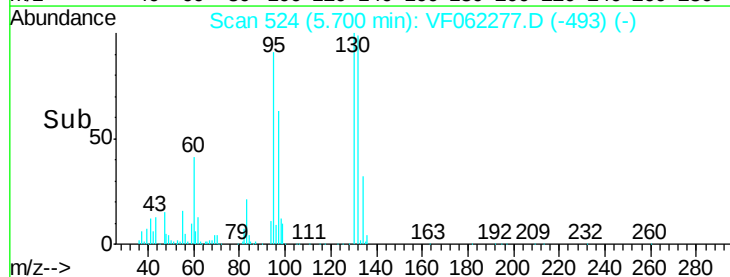
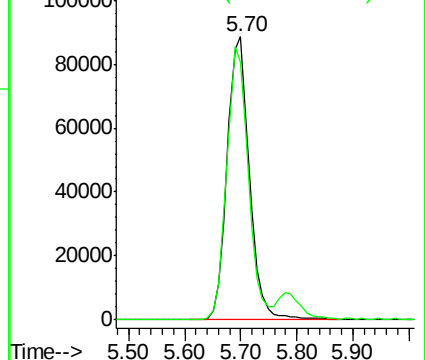
130 100

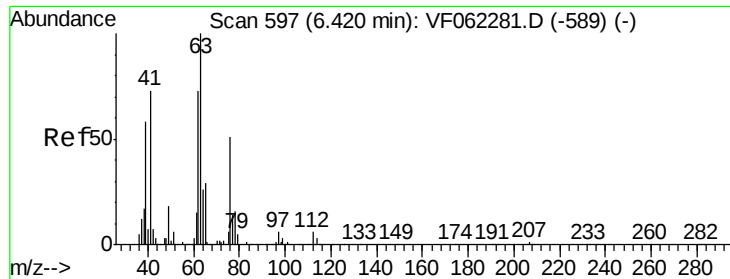
95 90.8 0.0 186.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 49.226 ug/l

RT: 6.42 min Scan# 597

Delta R.T. -0.00 min

Lab File: VF062277.D

Acq: 24 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

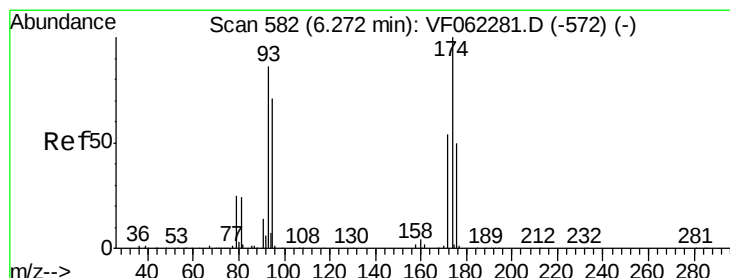
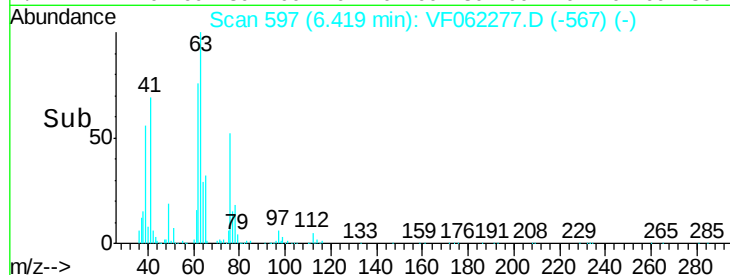
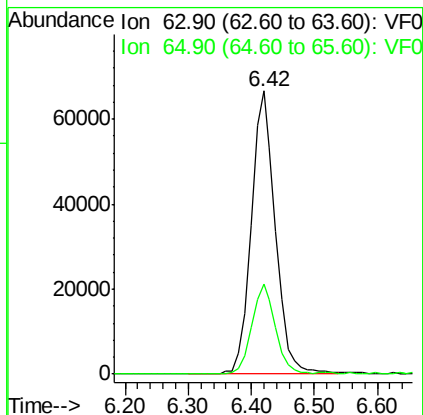
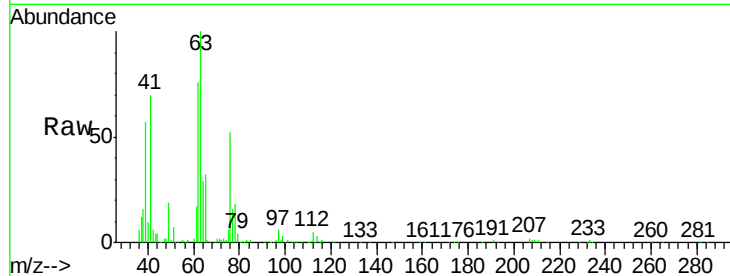
VSTDCCC050

Tot Ion: 63 Resp: 177615

Ion Ratio Lower Upper

63 100

65 31.5 23.5 35.3



#46

Dibromomethane

Concen: 51.619 ug/l

RT: 6.27 min Scan# 582

Delta R.T. -0.00 min

Lab File: VF062277.D

Acq: 24 Apr 2019 12:45

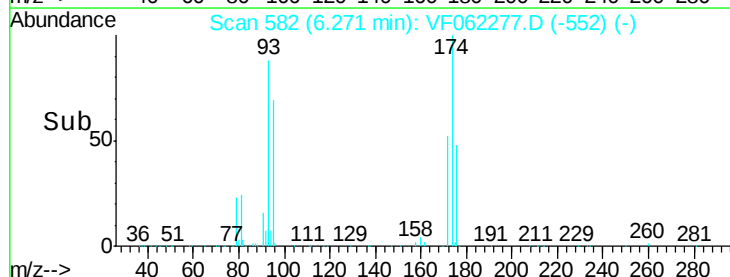
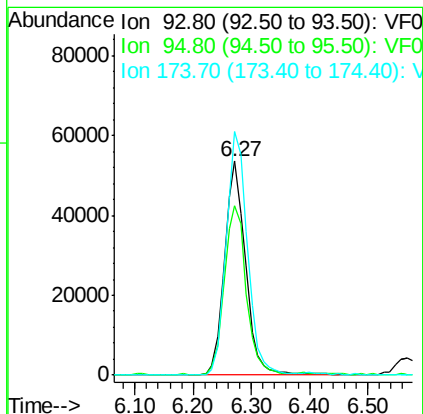
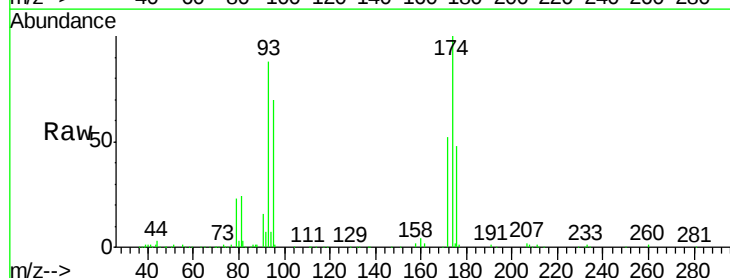
Tgt Ion: 93 Resp: 134917

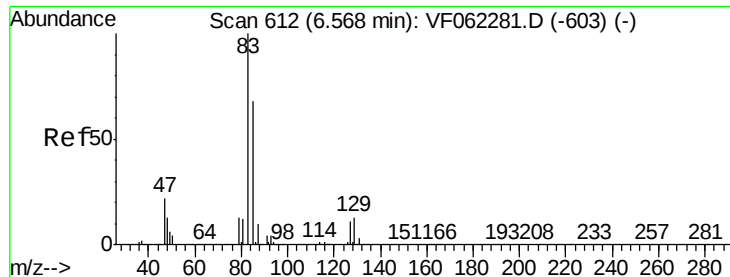
Ion Ratio Lower Upper

93 100

95 81.3 66.2 99.4

174 114.6 94.9 142.3





#47

Bromodichloromethane

Concen: 48.651 ug/l

RT: 6.57 min Scan# 612

Delta R.T. -0.00 min

Lab File: VF062277.D

Acq: 24 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

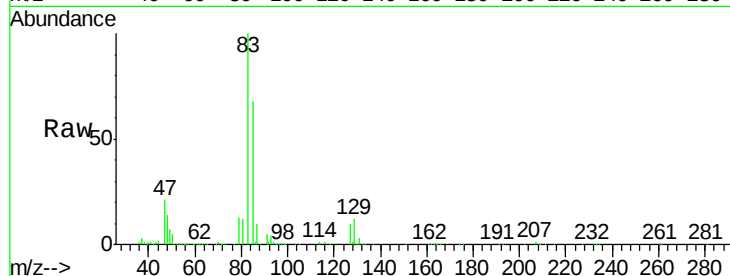
Tot Ion: 83 Resp: 299358

Ion Ratio Lower Upper

83 100

85 67.5 54.6 81.8

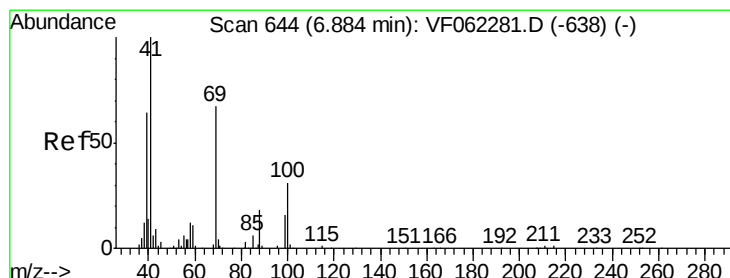
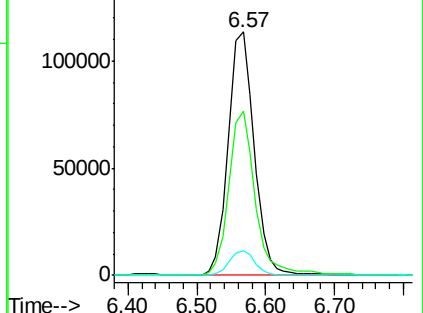
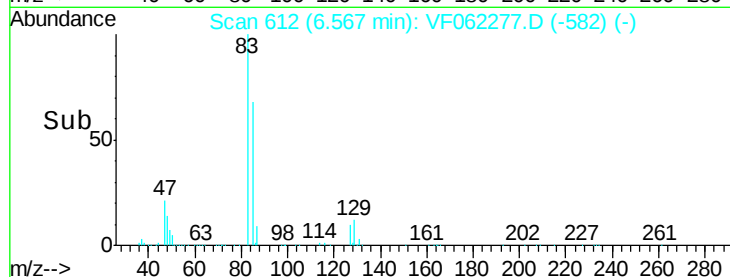
127 10.2 8.7 13.1



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: 46.760 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.01 min

Lab File: VF062277.D

Acq: 24 Apr 2019 12:45

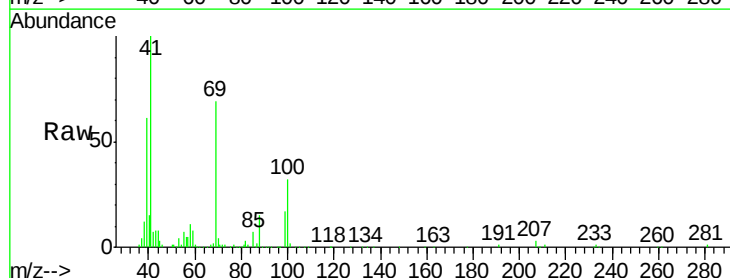
Tgt Ion: 41 Resp: 94362

Ion Ratio Lower Upper

41 100

69 67.3 53.4 80.2

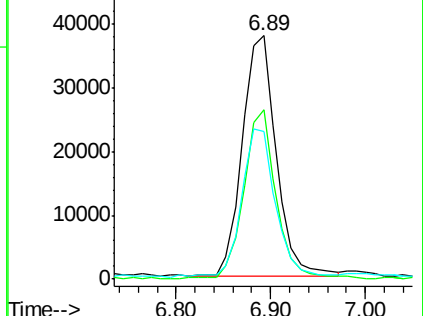
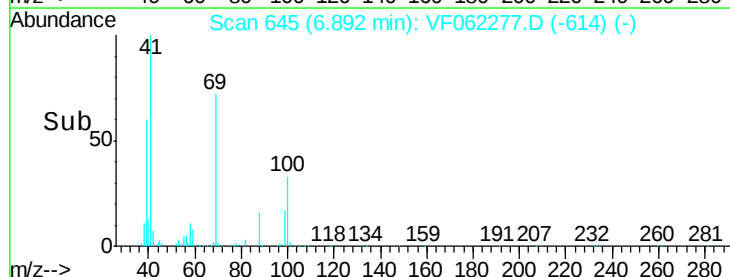
39 60.5 50.9 76.3

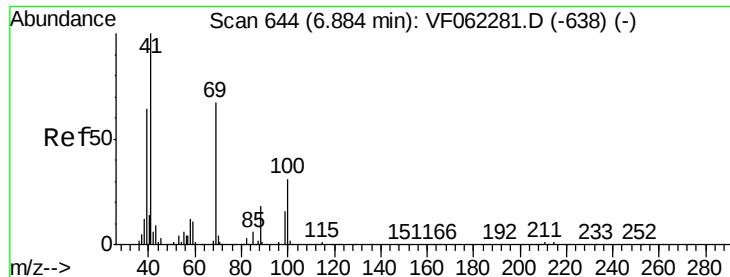


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 946.272 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.00 min

Lab File: VF062277.D

Acq: 24 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

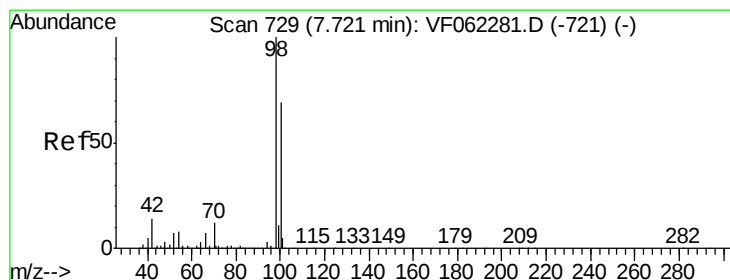
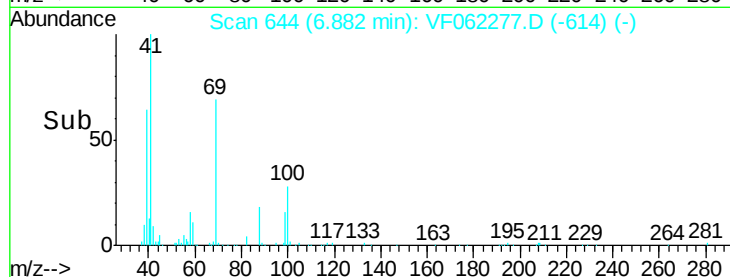
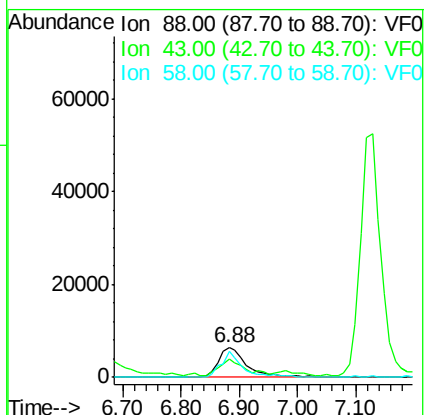
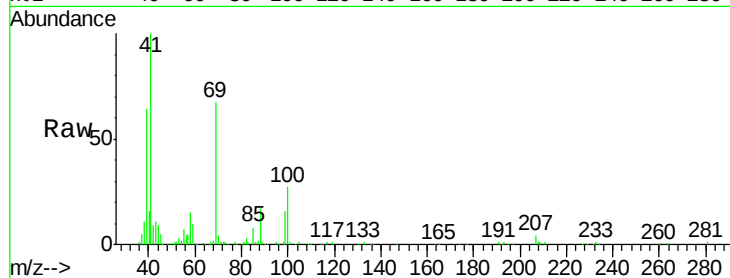
Tot Ion: 88 Resp: 21855

Ion Ratio Lower Upper

88 100

43 45.0 34.2 51.4

58 61.1 50.7 76.1



#50

Toluene-d8

Concen: 52.723 ug/l

RT: 7.72 min Scan# 729

Delta R.T. -0.00 min

Lab File: VF062277.D

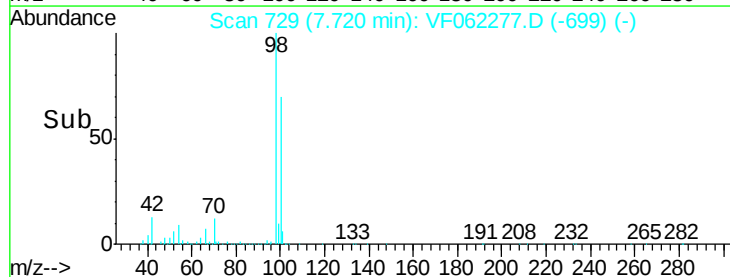
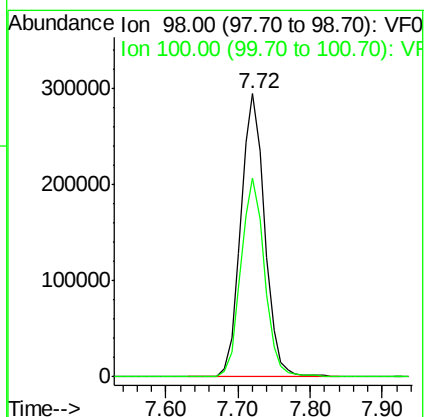
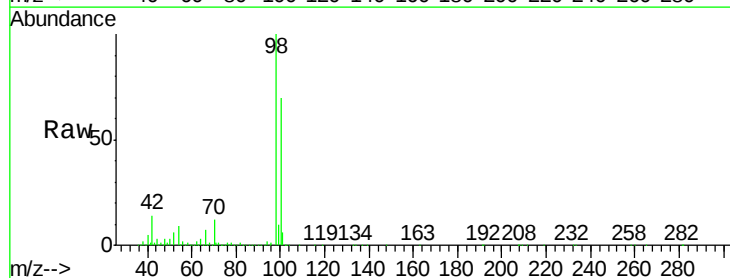
Acq: 24 Apr 2019 12:45

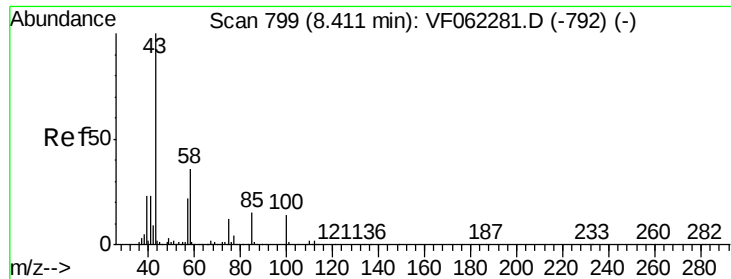
Tgt Ion: 98 Resp: 685098

Ion Ratio Lower Upper

98 100

100 69.5 54.4 81.6





#51

4-Methyl-2-Pentanone

Concen: 222.544 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.00 min

Lab File: VF062277.D

Acq: 24 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

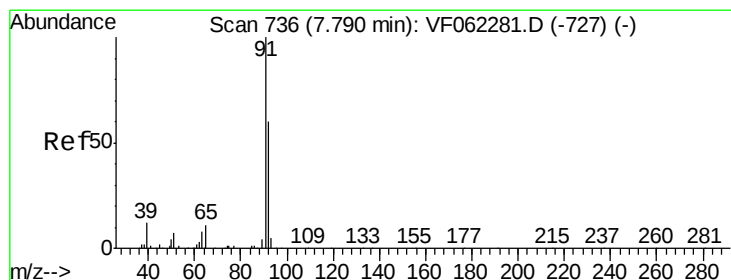
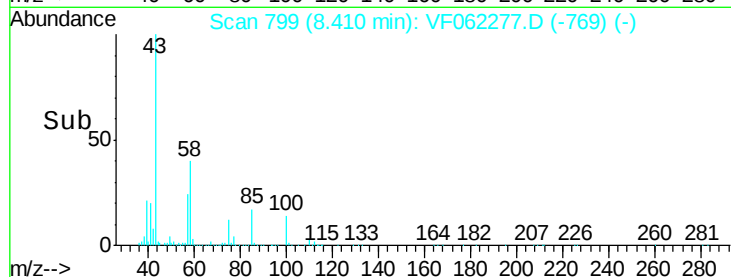
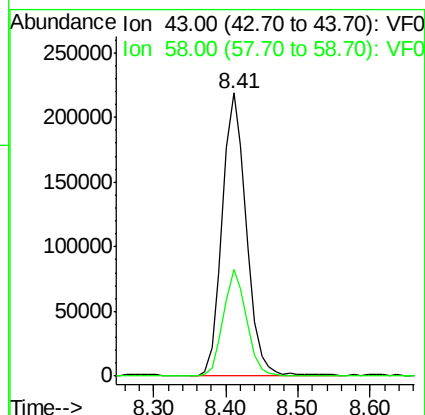
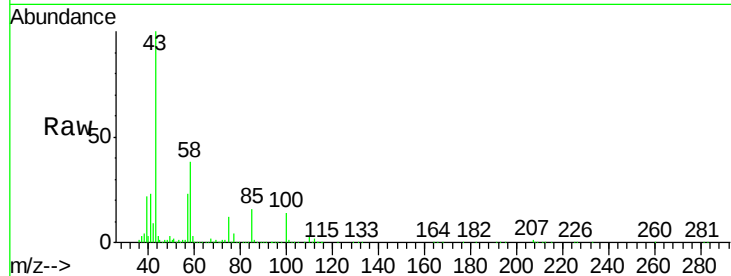
VSTDCCC050

Tot Ion: 43 Resp: 500780

Ion Ratio Lower Upper

43 100

58 36.6 29.1 43.7



#52

Toluene

Concen: 47.100 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.00 min

Lab File: VF062277.D

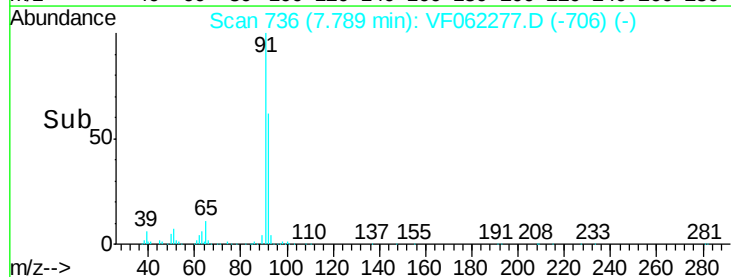
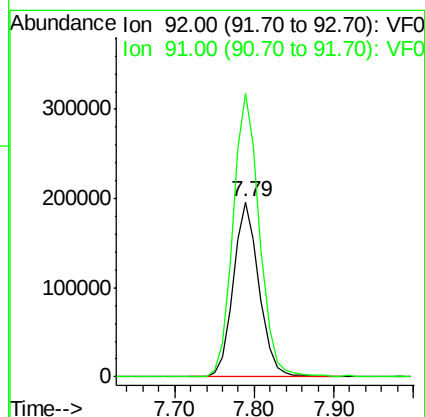
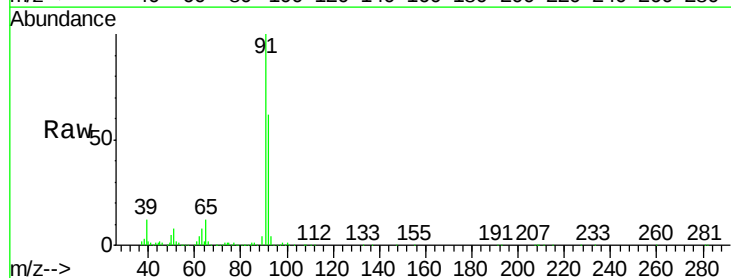
Acq: 24 Apr 2019 12:45

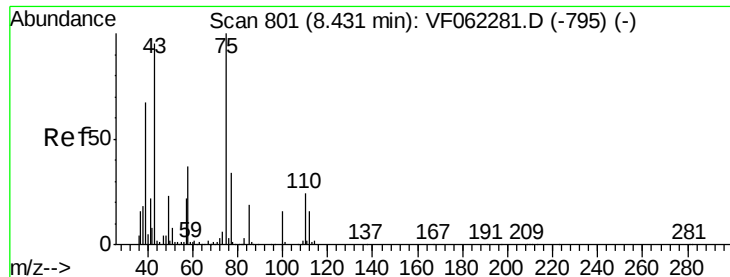
Tgt Ion: 92 Resp: 442490

Ion Ratio Lower Upper

92 100

91 166.5 132.5 198.7





#53

t-1,3-Dichloropropene

Concen: 48.382 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.00 min

Lab File: VF062277.D

Acq: 24 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

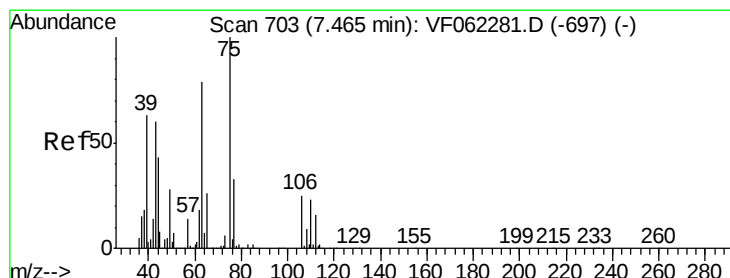
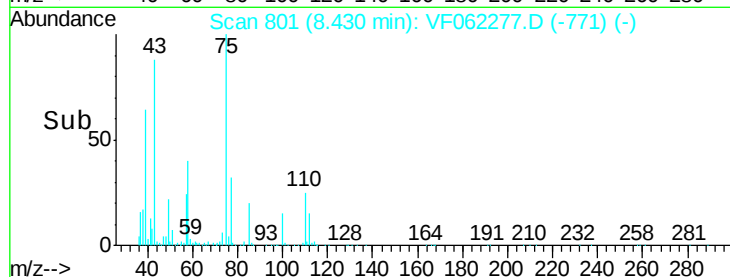
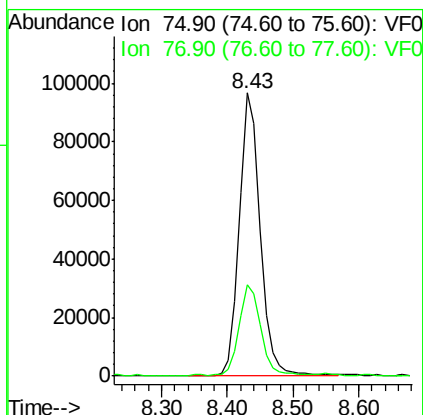
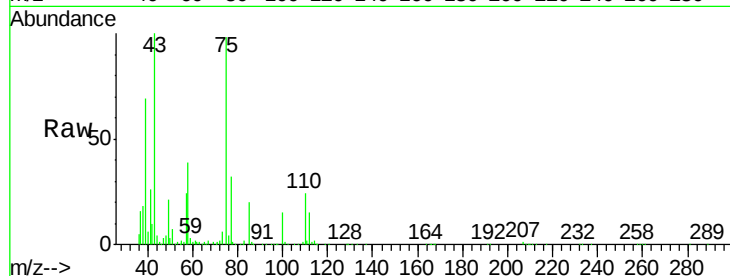
VSTDCCC050

Tot Ion: 75 Resp: 216808

Ion Ratio Lower Upper

75 100

77 32.1 26.9 40.3



#54

cis-1,3-Dichloropropene

Concen: 47.503 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.00 min

Lab File: VF062277.D

Acq: 24 Apr 2019 12:45

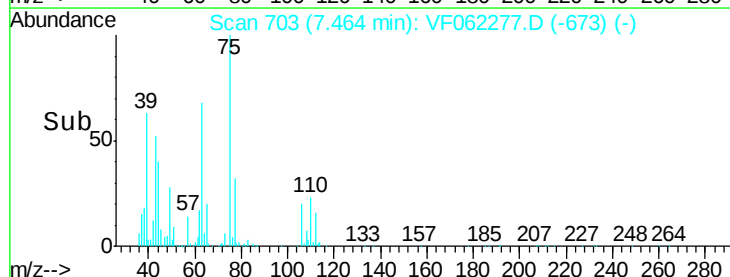
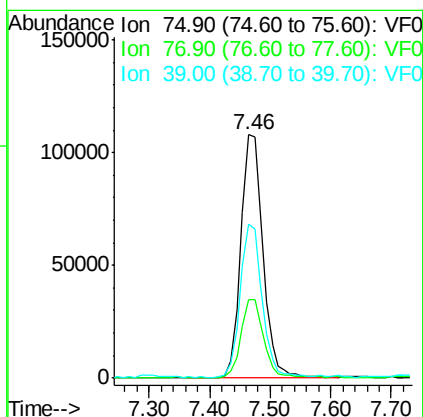
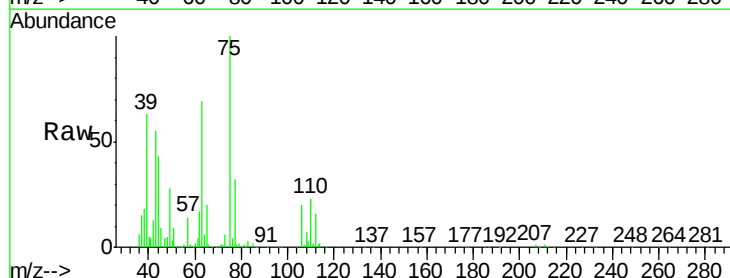
Tgt Ion: 75 Resp: 276412

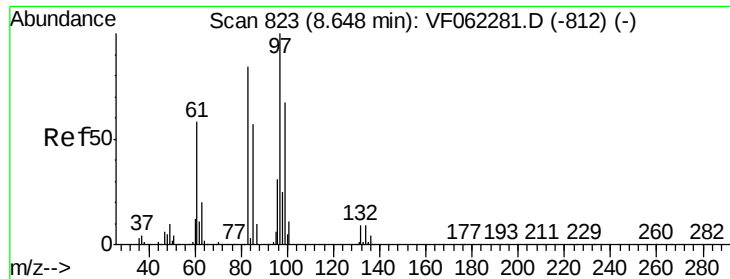
Ion Ratio Lower Upper

75 100

77 32.0 26.5 39.7

39 62.5 50.2 75.2





#55

1,1,2-Trichloroethane

Concen: 49.640 ug/l

RT: 8.65 min Scan# 823

Delta R.T. -0.00 min

Lab File: VF062277.D

Acq: 24 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 127463

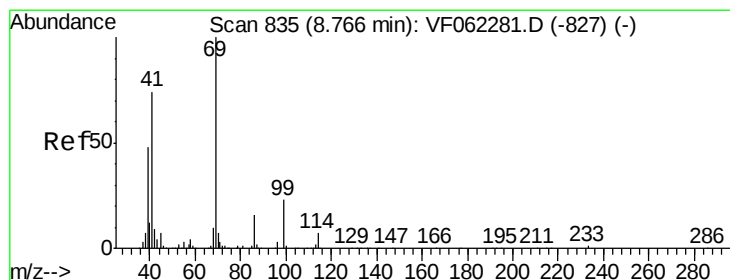
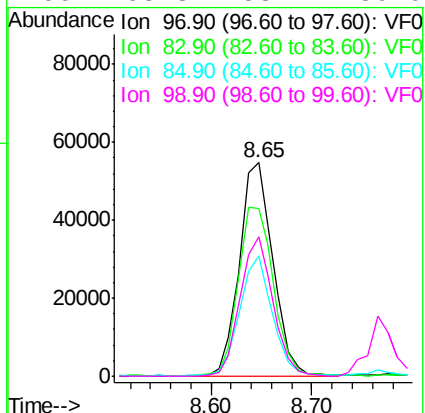
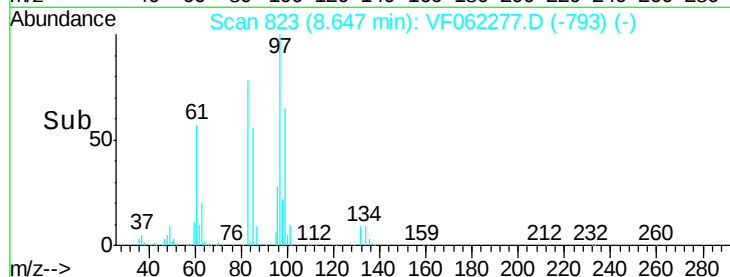
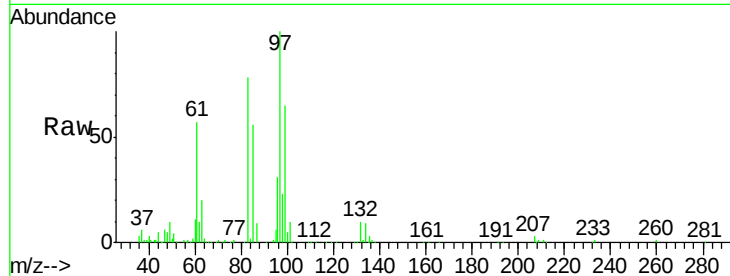
Ion	Ratio	Lower	Upper
97	100		
83	78.2	67.5	101.3
85	56.0	45.3	67.9
99	65.3	53.4	80.0

97 100

83 78.2 67.5 101.3

85 56.0 45.3 67.9

99 65.3 53.4 80.0



#56

Ethyl methacrylate

Concen: 39.134 ug/l

RT: 8.77 min Scan# 835

Delta R.T. -0.00 min

Lab File: VF062277.D

Acq: 24 Apr 2019 12:45

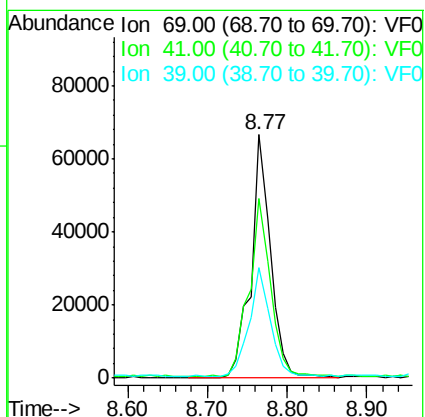
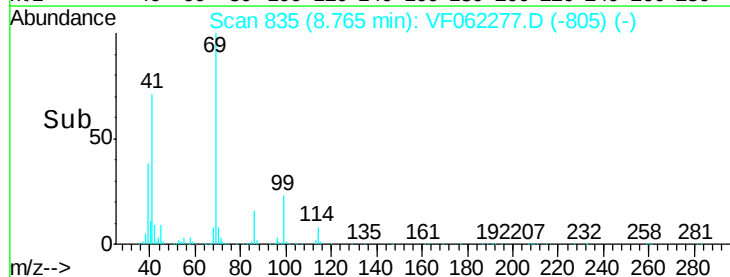
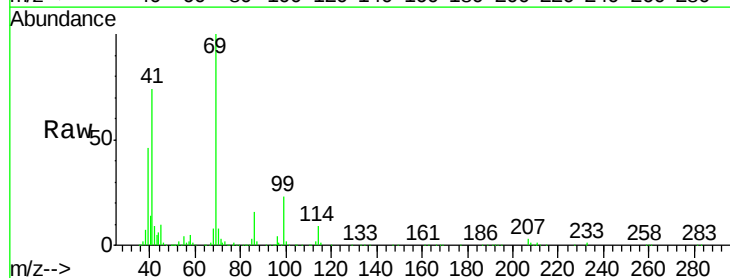
Tgt Ion: 69 Resp: 112333

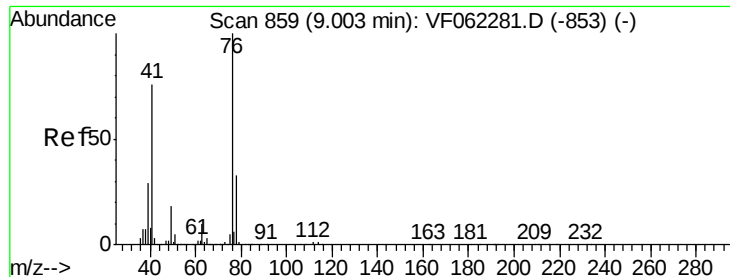
Ion	Ratio	Lower	Upper
69	100		
41	79.9	61.5	92.3
39	48.3	37.9	56.9

69 100

41 79.9 61.5 92.3

39 48.3 37.9 56.9





#57

1,3-Dichloropropane

Concen: 47.494 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.00 min

Lab File: VF062277.D

Acq: 24 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

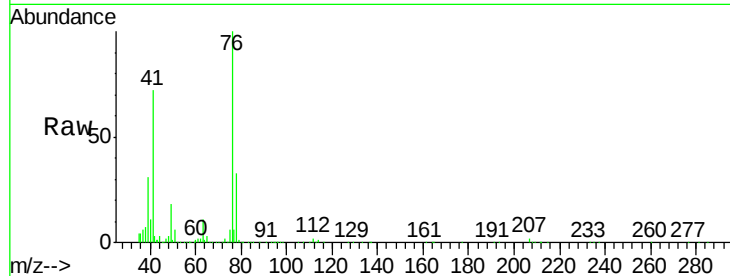
VSTDCCC050

Tot Ion: 76 Resp: 191790

Ion Ratio Lower Upper

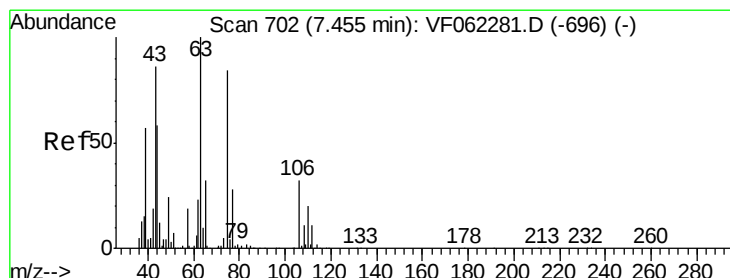
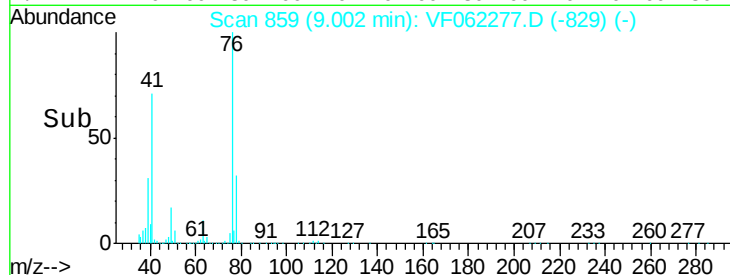
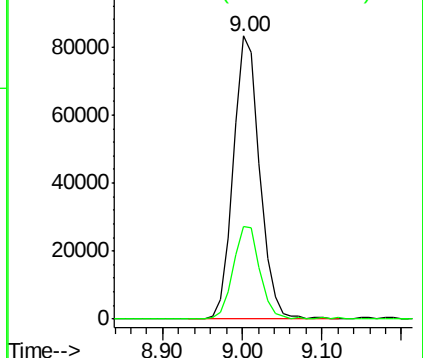
76 100

78 33.6 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: 205.080 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.00 min

Lab File: VF062277.D

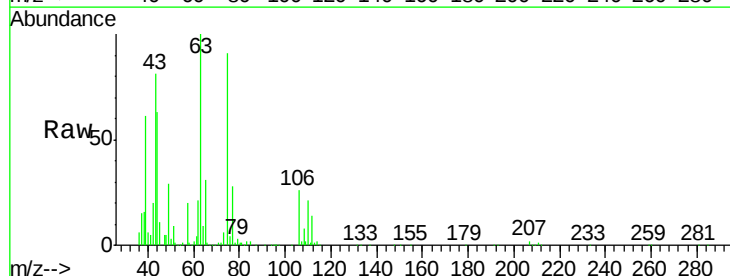
Acq: 24 Apr 2019 12:45

Tgt Ion: 63 Resp: 181858

Ion Ratio Lower Upper

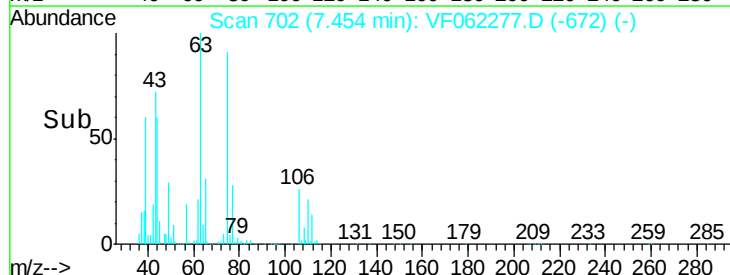
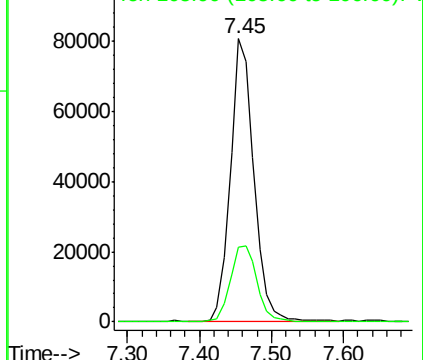
63 100

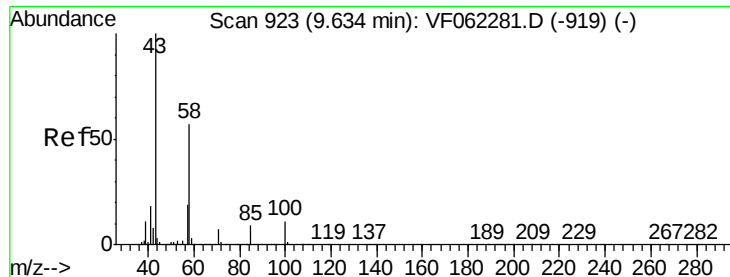
106 30.5 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 105.90 (105.60 to 106.60): V

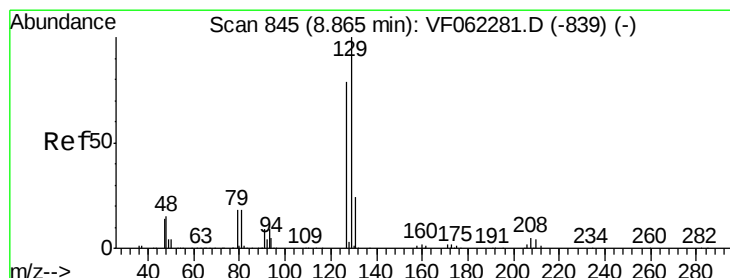
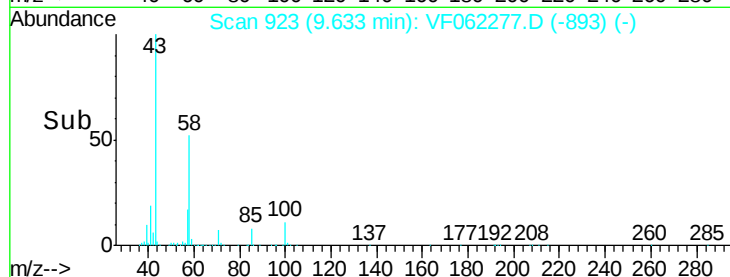
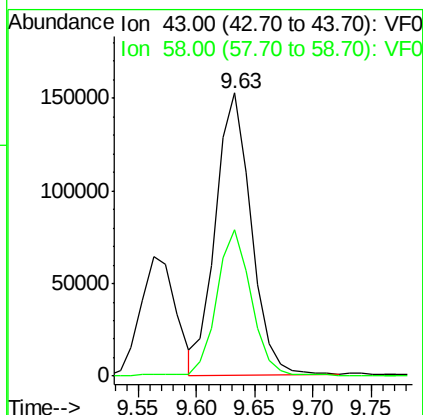
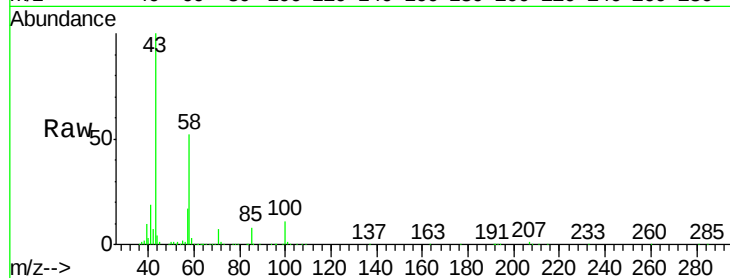




#59
2-Hexanone
Concen: 146.988 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF062277.D
Acq: 24 Apr 2019 12:45

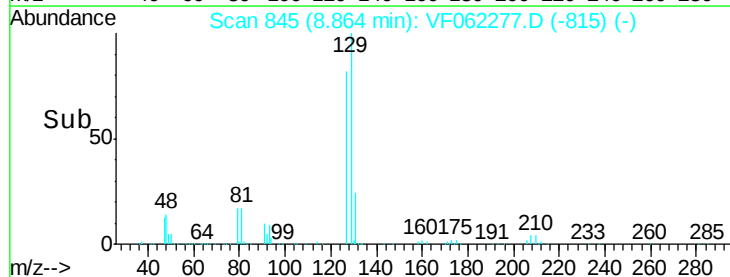
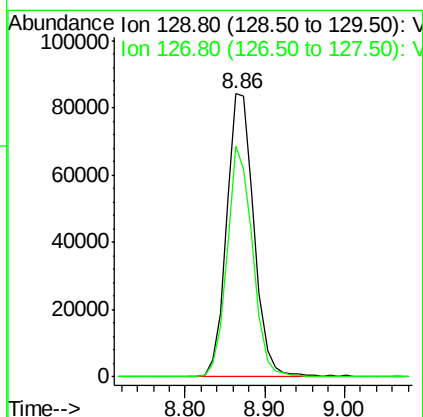
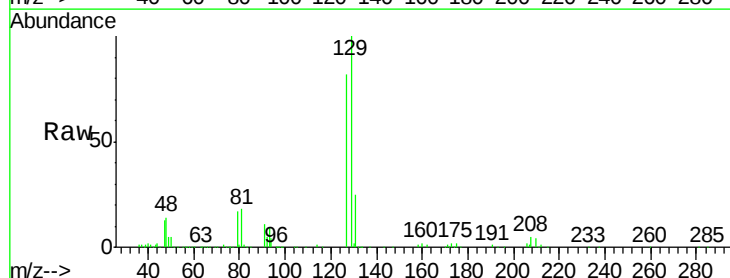
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

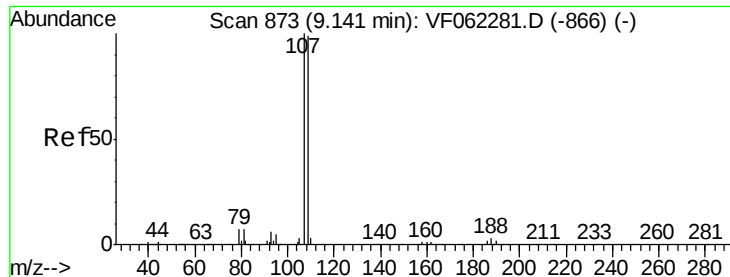
Tot Ion: 43 Resp: 322554
Ion Ratio Lower Upper
43 100
58 50.6 24.9 74.7



#60
Dibromochloromethane
Concen: 48.975 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.00 min
Lab File: VF062277.D
Acq: 24 Apr 2019 12:45

Tgt Ion:129 Resp: 202637
Ion Ratio Lower Upper
129 100
127 76.2 38.8 116.4





#61

1,2-Dibromoethane

Concen: 46.894 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.00 min

Lab File: VF062277.D

Acq: 24 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

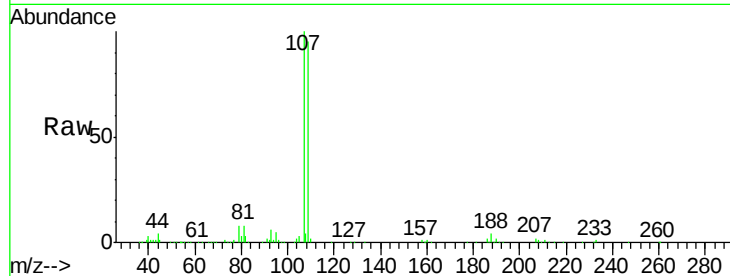
VSTDCCC050

Tot Ion:107 Resp: 140316

Ion Ratio Lower Upper

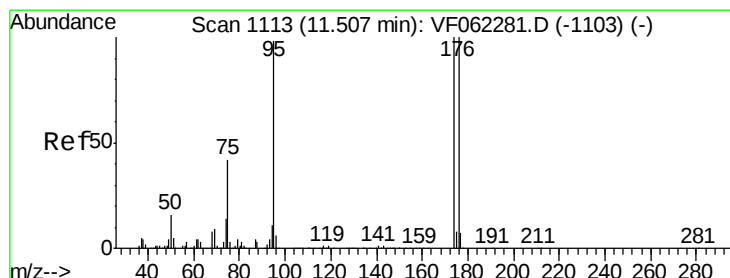
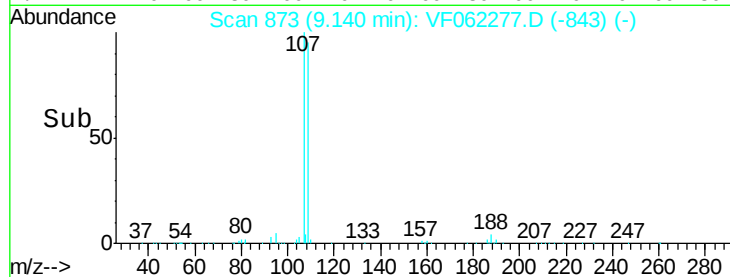
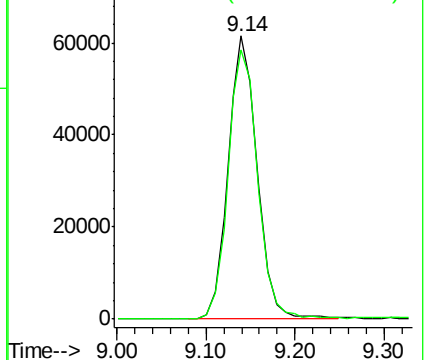
107 100

109 97.6 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: 42.794 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF062277.D

Acq: 24 Apr 2019 12:45

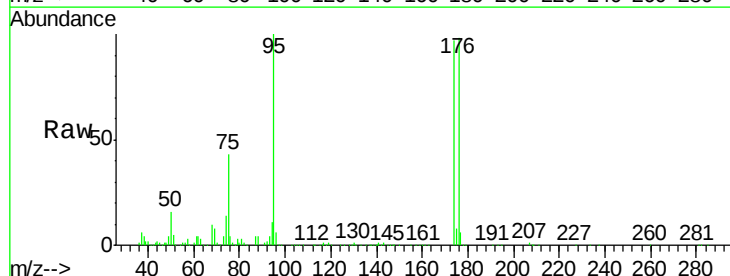
Tgt Ion: 95 Resp: 234364

Ion Ratio Lower Upper

95 100

174 92.9 0.0 185.2

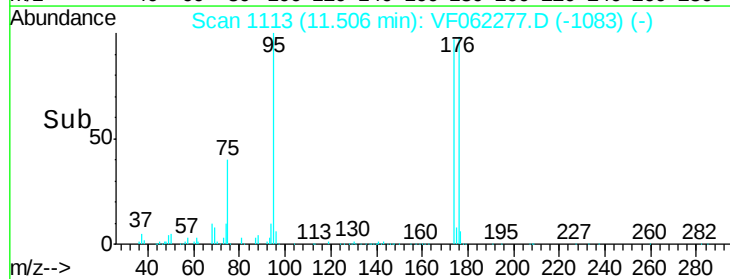
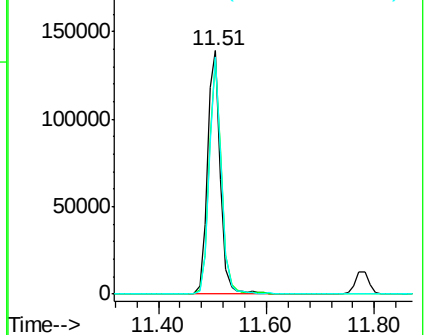
176 90.8 0.0 184.8

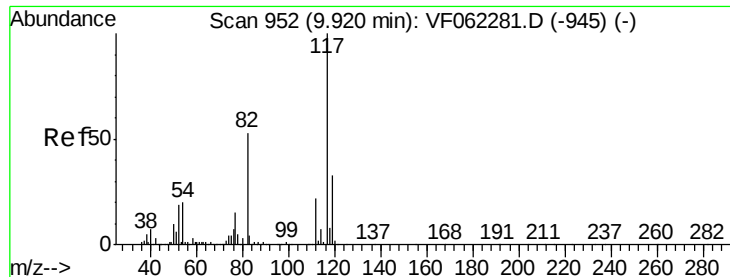


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

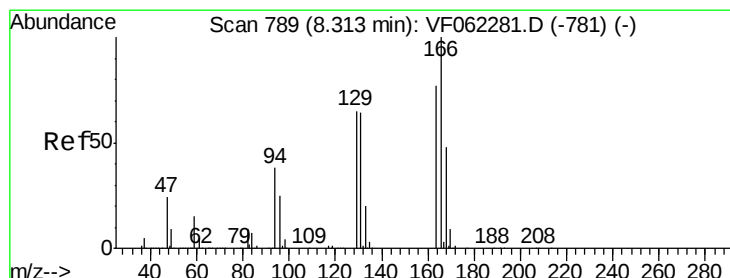
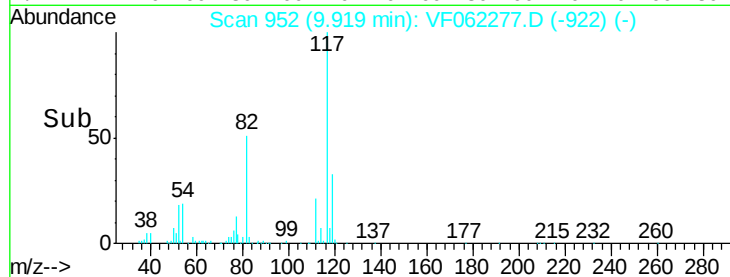
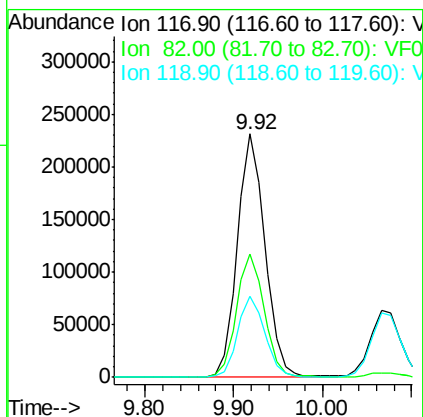
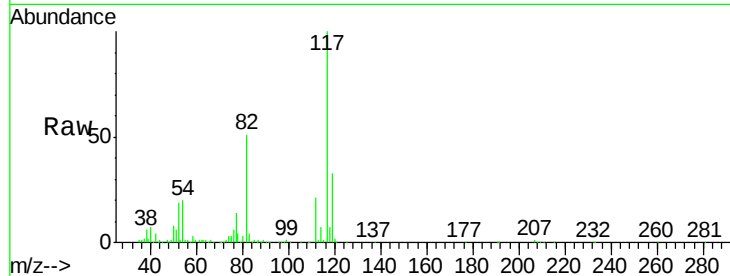




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF062277.D
Acq: 24 Apr 2019 12:45

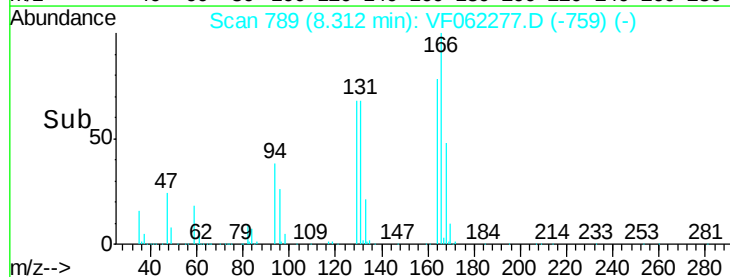
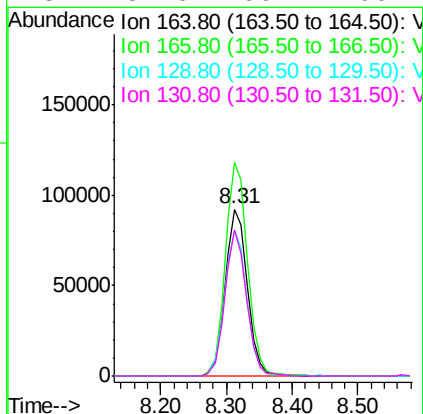
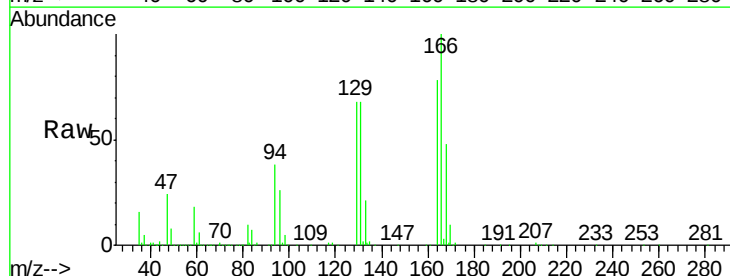
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

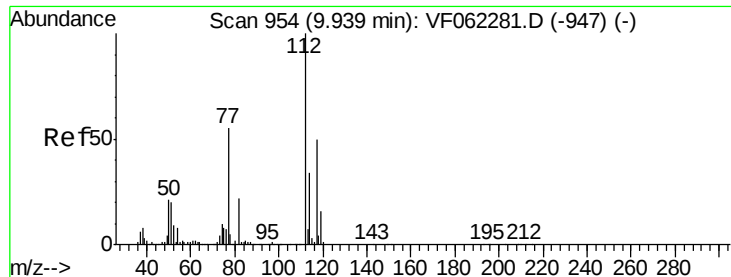
Tot Ion:117 Resp: 501864
Ion Ratio Lower Upper
117 100
82 50.7 42.6 64.0
119 33.1 26.1 39.1



#64
Tetrachloroethene
Concen: 50.464 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VF062277.D
Acq: 24 Apr 2019 12:45

Tgt Ion:164 Resp: 217686
Ion Ratio Lower Upper
164 100
166 128.0 103.5 155.3
129 87.2 67.6 101.4
131 87.6 66.1 99.1

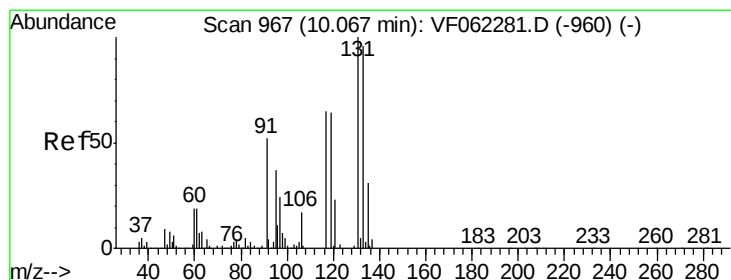
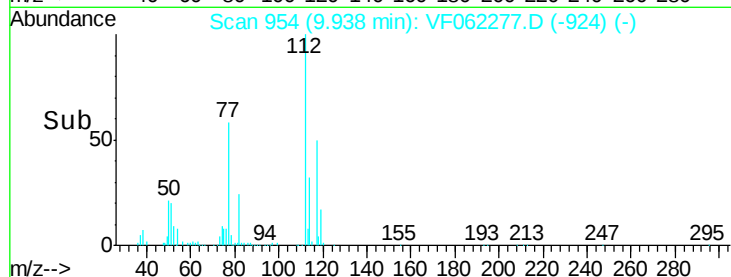
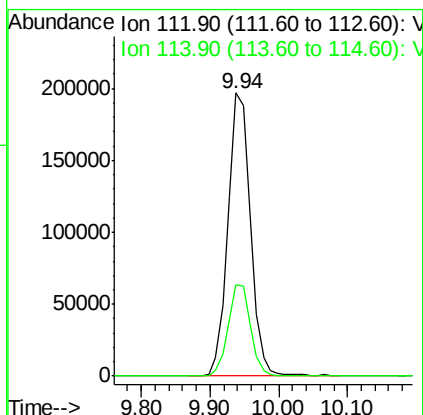
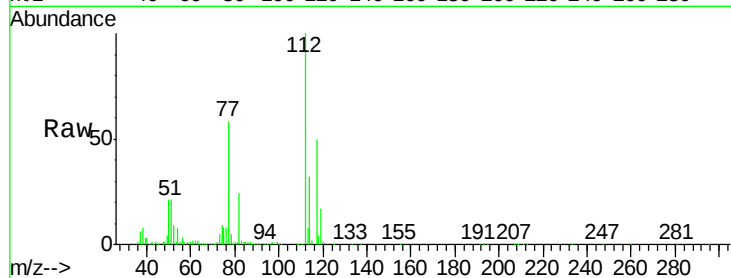




#65
Chlorobenzene
Concen: 48.219 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.00 min
Lab File: VF062277.D
Acq: 24 Apr 2019 12:45

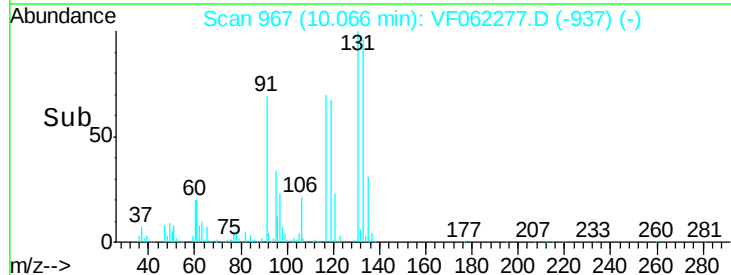
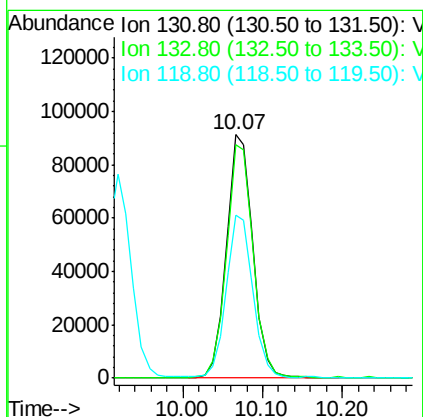
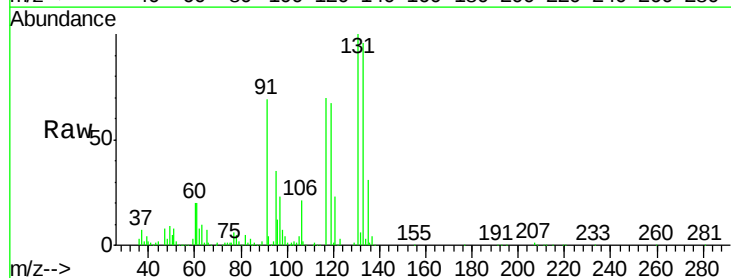
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

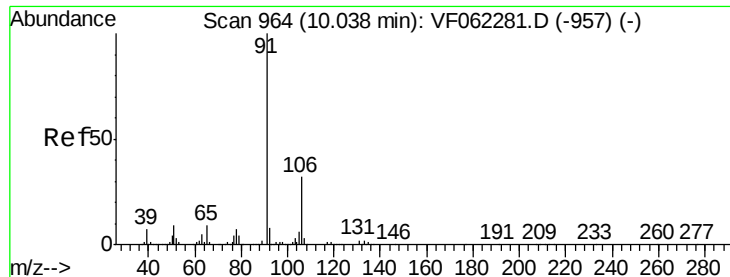
Tot Ion:112 Resp: 448825
Ion Ratio Lower Upper
112 100
114 32.5 27.0 40.6



#66
1,1,1,2-Tetrachloroethane
Concen: 47.311 ug/l
RT: 10.07 min Scan# 967
Delta R.T. -0.00 min
Lab File: VF062277.D
Acq: 24 Apr 2019 12:45

Tgt Ion:131 Resp: 212266
Ion Ratio Lower Upper
131 100
133 96.3 48.5 145.5
119 66.6 32.9 98.7





#67

Ethyl Benzene

Concen: 45.863 ug/l

RT: 10.04 min Scan# 964

Delta R.T. -0.00 min

Lab File: VF062277.D

Acq: 24 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

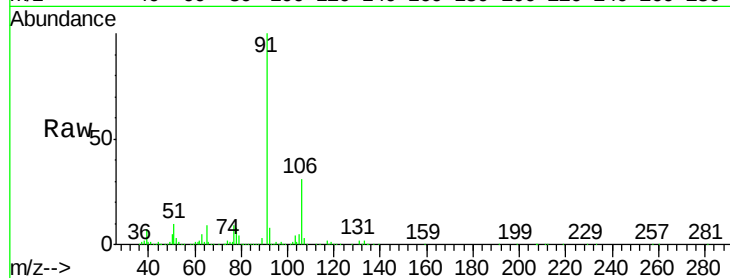
VSTDCCC050

Tot Ion: 91 Resp: 757249

Ion Ratio Lower Upper

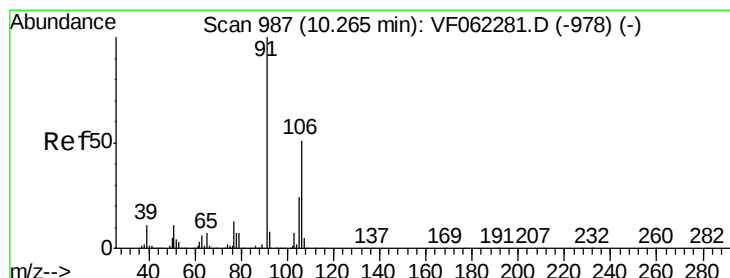
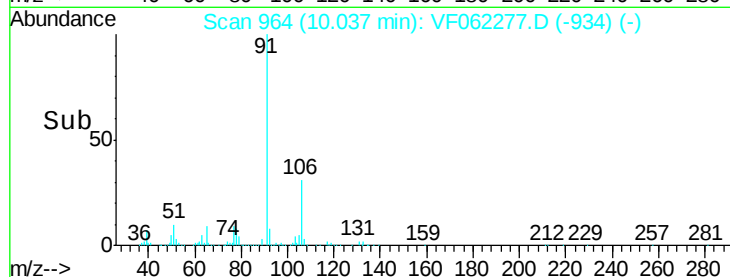
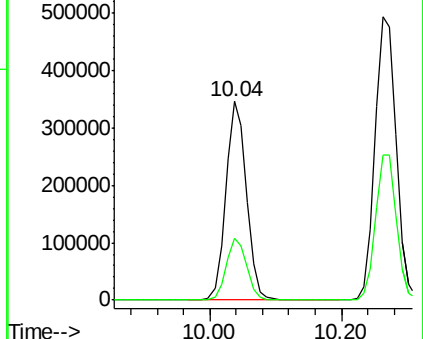
91 100

106 30.9 25.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 92.883 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.01 min

Lab File: VF062277.D

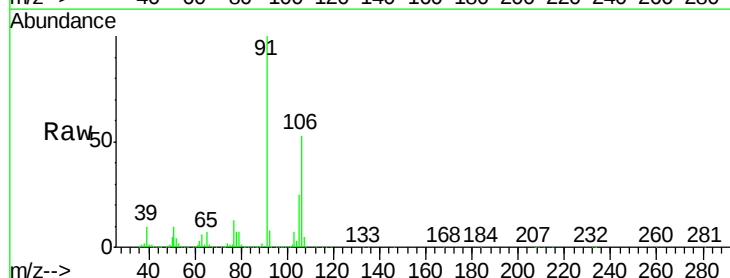
Acq: 24 Apr 2019 12:45

Tgt Ion: 106 Resp: 566255

Ion Ratio Lower Upper

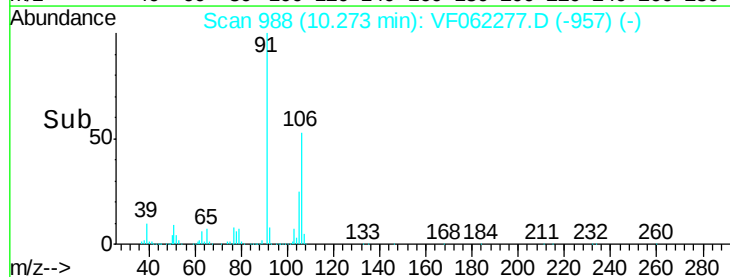
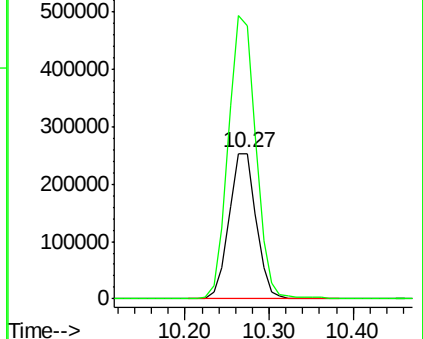
106 100

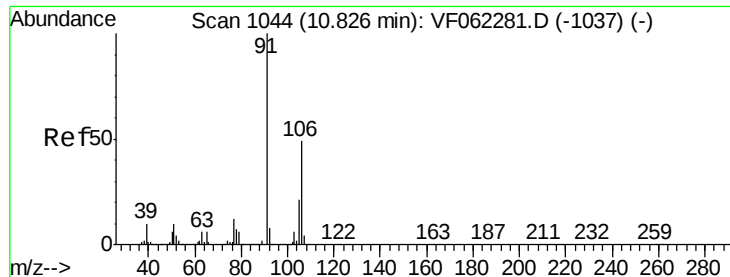
91 197.7 158.3 237.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

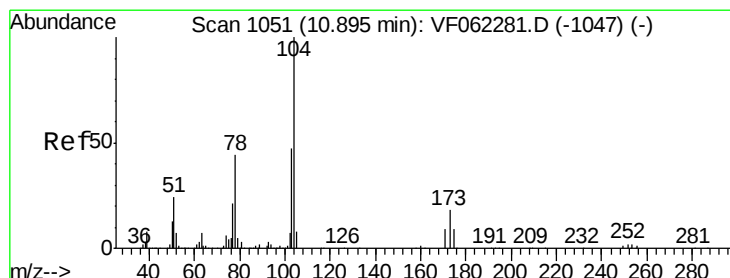
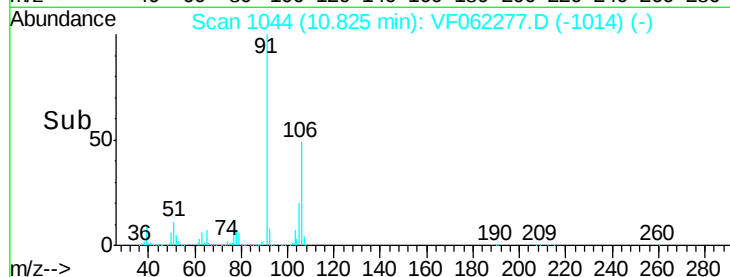
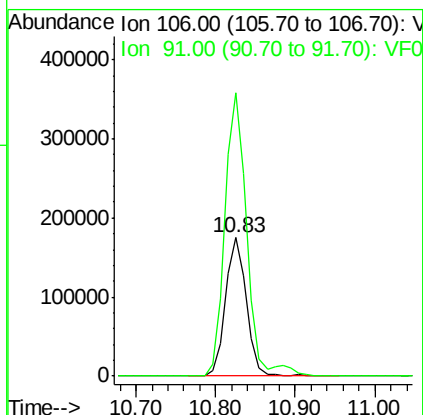
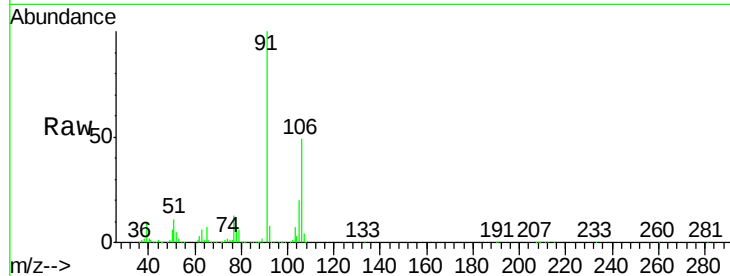




#69
o-Xylene
Concen: 47.231 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VF062277.D
Acq: 24 Apr 2019 12:45

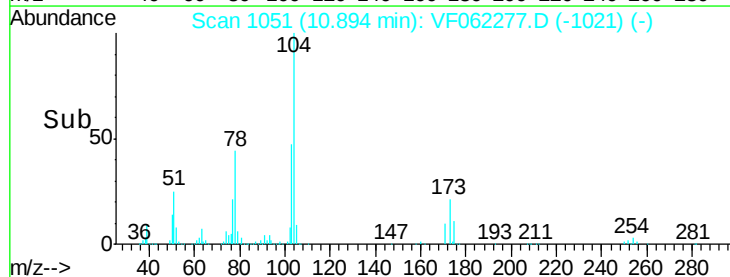
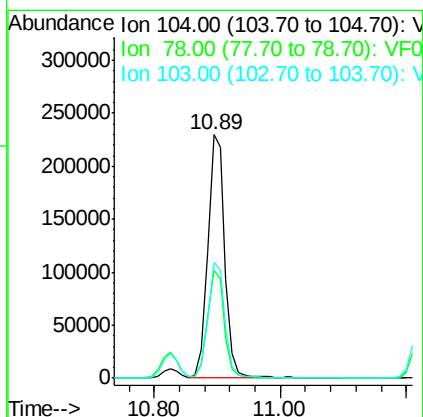
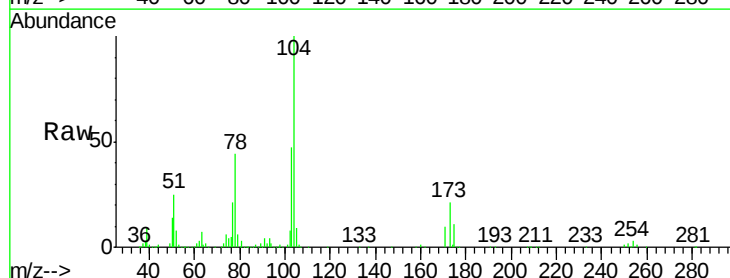
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

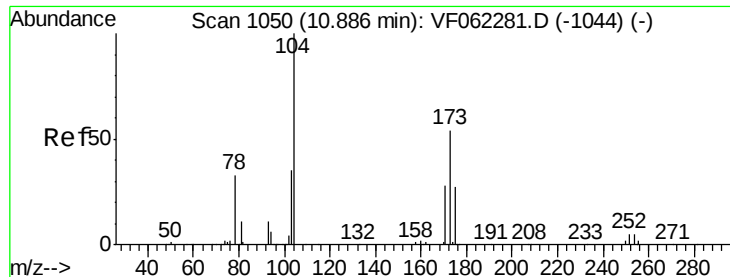
Tot Ion:106 Resp: 323222
Ion Ratio Lower Upper
106 100
91 216.2 110.0 330.0



#70
Styrene
Concen: 43.656 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF062277.D
Acq: 24 Apr 2019 12:45

Tgt Ion:104 Resp: 432211
Ion Ratio Lower Upper
104 100
78 43.4 35.9 53.9
103 46.6 37.5 56.3





#71

Bromoform

Concen: 48.294 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VF062277.D

Acq: 24 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

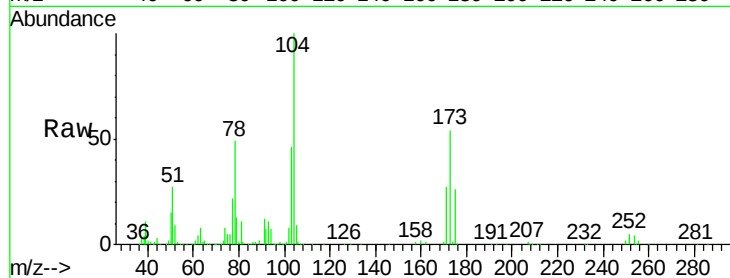
Tot Ion:173 Resp: 117601

Ion Ratio Lower Upper

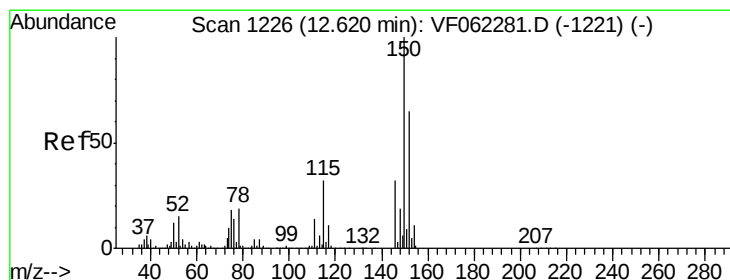
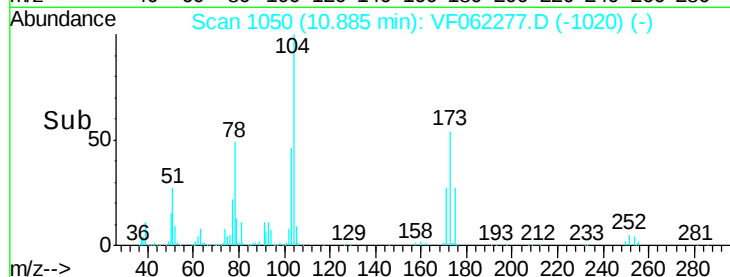
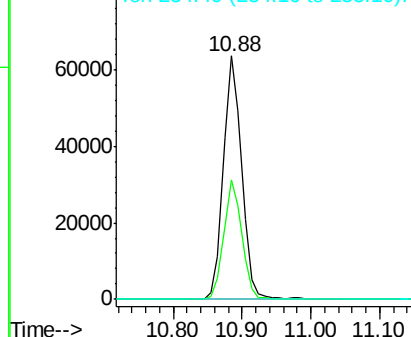
173 100

175 48.2 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: 12.62 min Scan# 1226

Delta R.T. -0.00 min

Lab File: VF062277.D

Acq: 24 Apr 2019 12:45

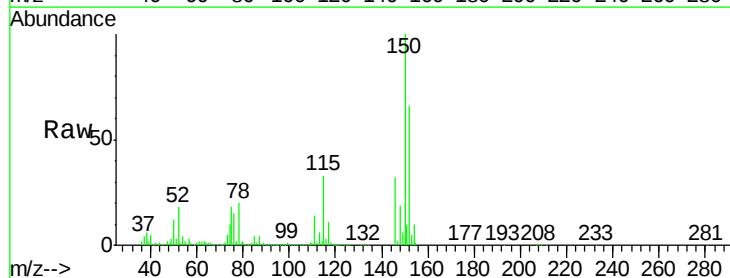
Tgt Ion:152 Resp: 279989

Ion Ratio Lower Upper

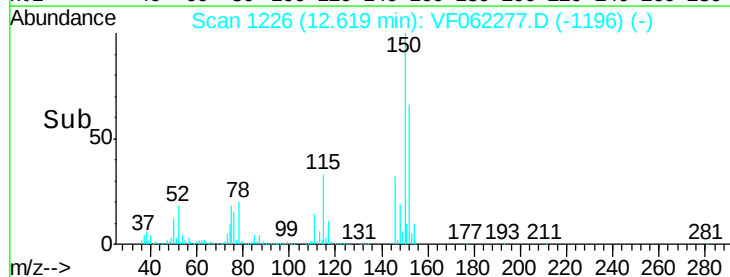
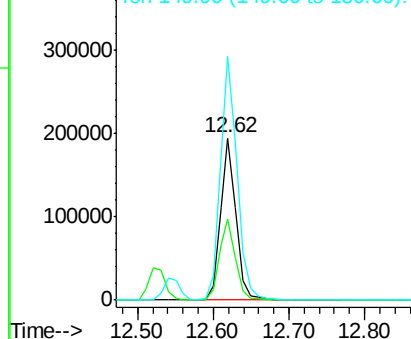
152 100

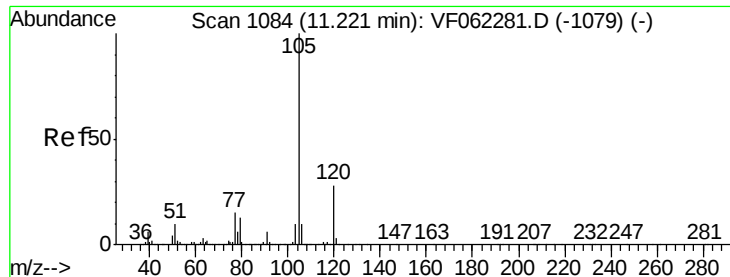
115 51.8 25.6 76.8

150 162.7 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: 47.848 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF062277.D

Acq: 24 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

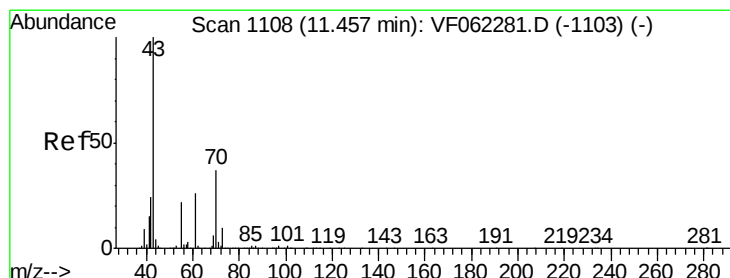
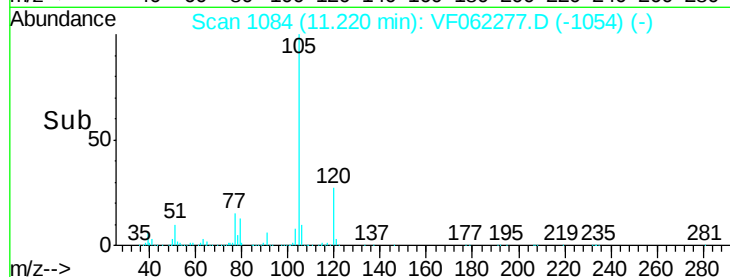
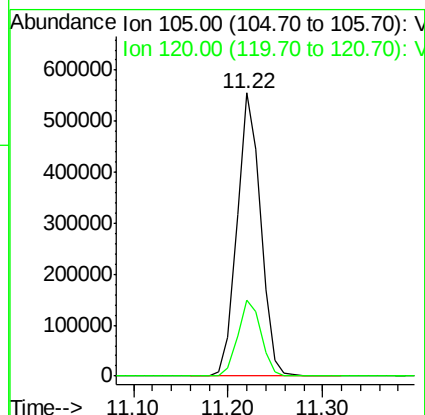
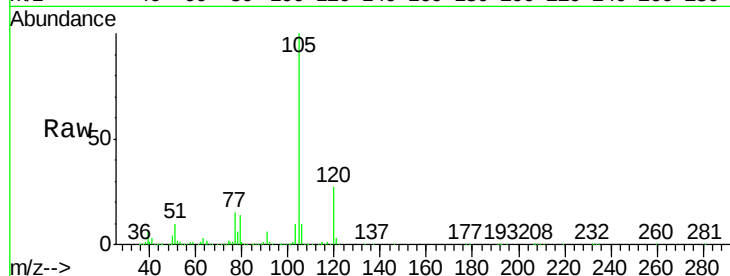
VSTDCCC050

Tot Ion:105 Resp: 956445

Ion Ratio Lower Upper

105 100

120 26.7 12.4 37.2



#74

N-ethyl acetate

Concen: 38.456 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF062277.D

Acq: 24 Apr 2019 12:45

Tgt Ion: 43 Resp: 174530

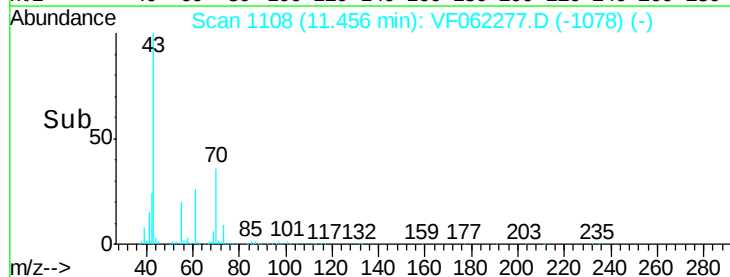
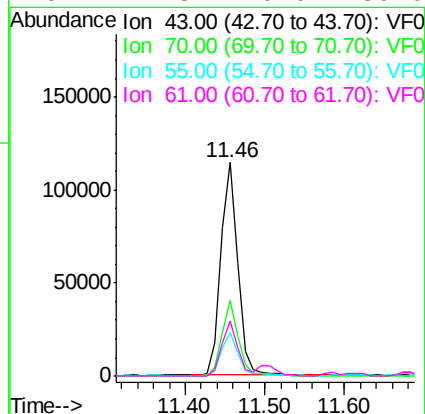
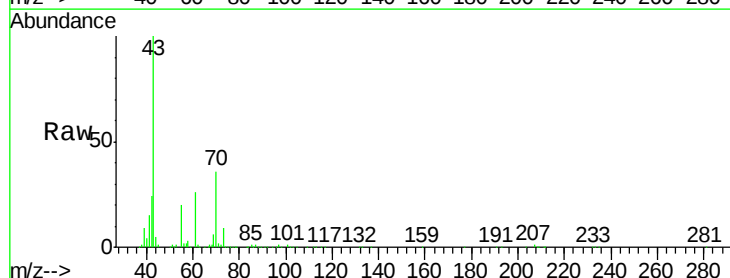
Ion Ratio Lower Upper

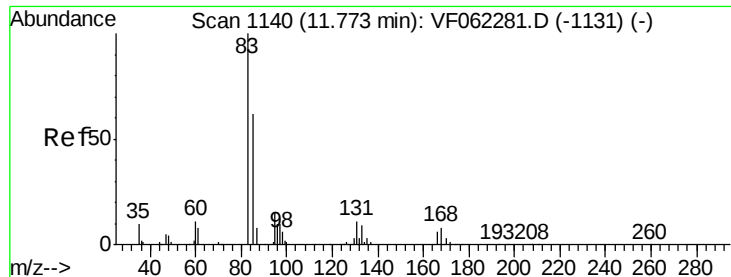
43 100

70 35.2 27.8 41.8

55 20.0 16.6 24.8

61 24.3 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.312 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.00 min

Lab File: VF062277.D

Acq: 24 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

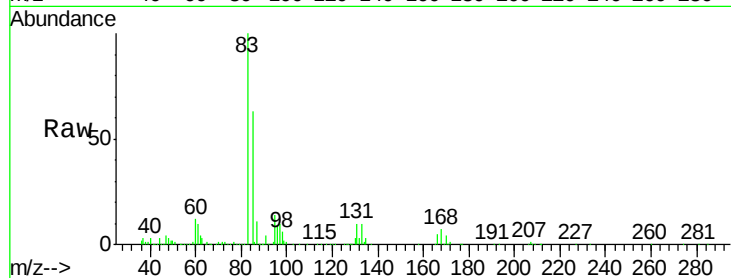
Tot Ion: 83 Resp: 150395

Ion Ratio Lower Upper

83 100

131 10.9 5.5 16.5

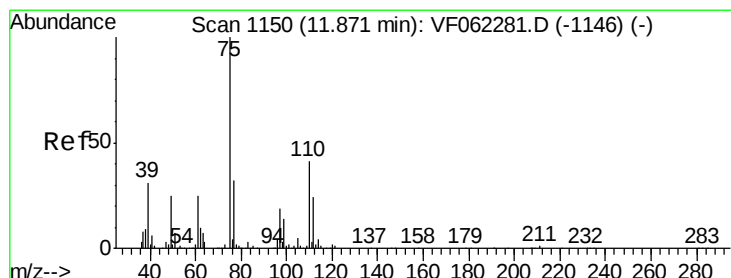
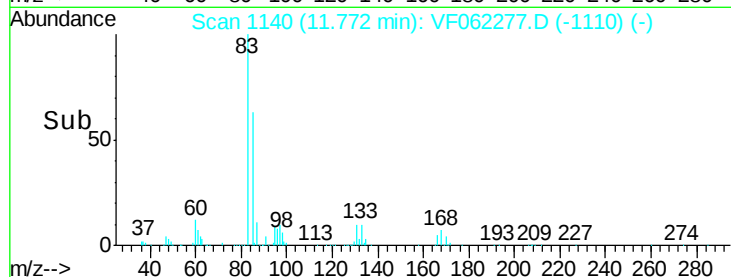
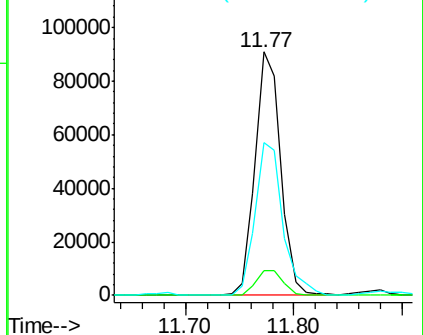
85 67.9 34.5 103.6



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): VF0

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 46.010 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. 0.01 min

Lab File: VF062277.D

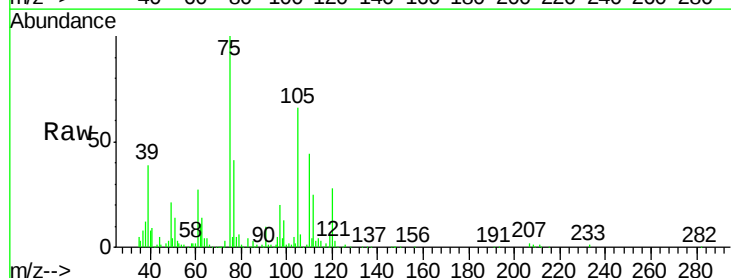
Acq: 24 Apr 2019 12:45

Tgt Ion: 75 Resp: 99250

Ion Ratio Lower Upper

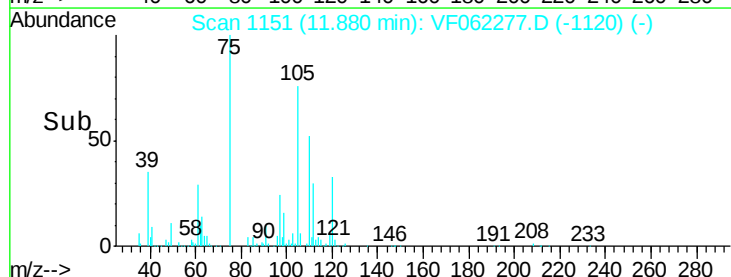
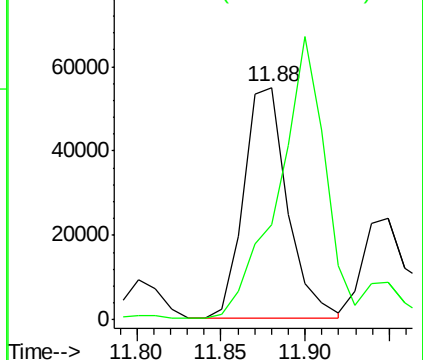
75 100

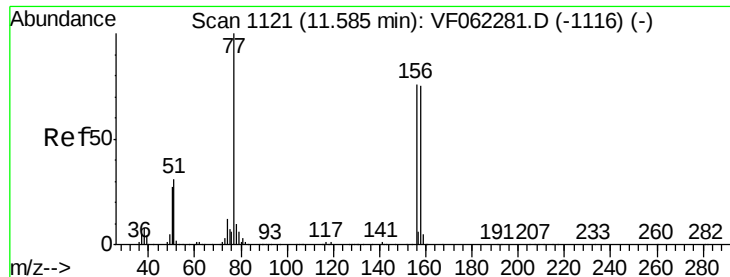
77 128.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 45.902 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF062277.D

Acq: 24 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

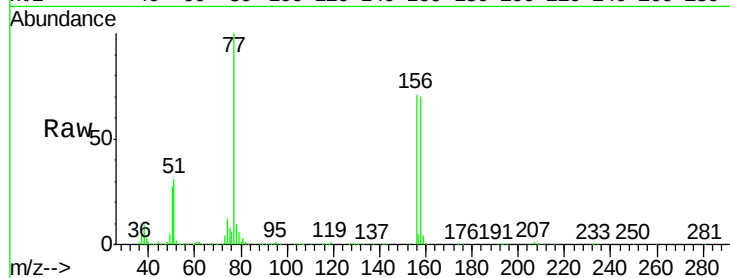
Tot Ion:156 Resp: 221295

Ion Ratio Lower Upper

156 100

77 136.4 67.3 201.9

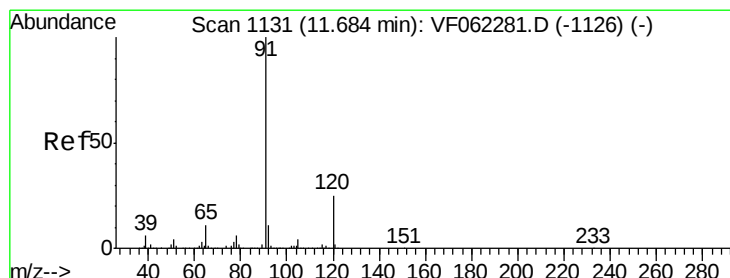
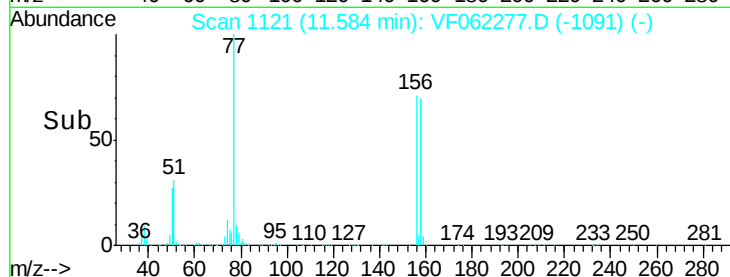
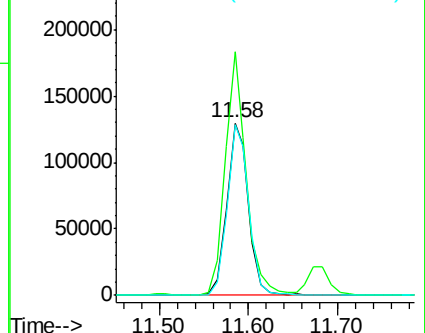
158 99.5 49.5 148.5



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: 44.817 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF062277.D

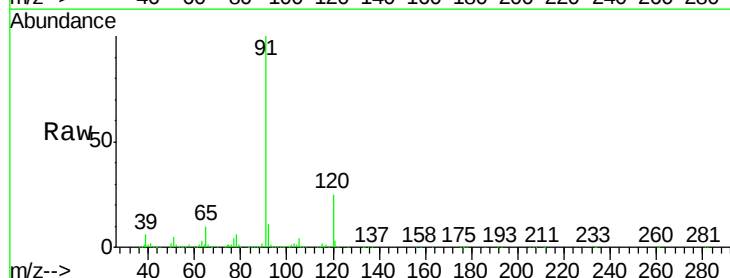
Acq: 24 Apr 2019 12:45

Tgt Ion: 91 Resp: 932266

Ion Ratio Lower Upper

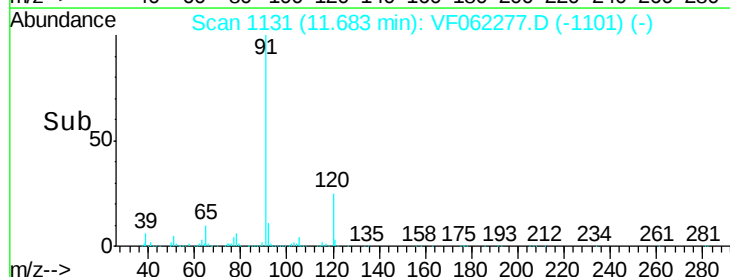
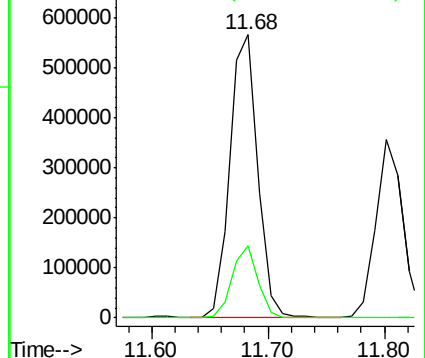
91 100

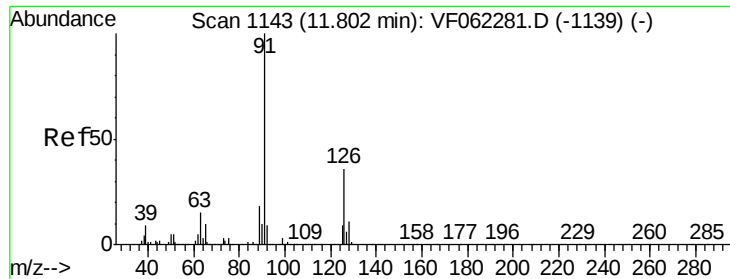
120 23.8 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.003 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VF062277.D

Acq: 24 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

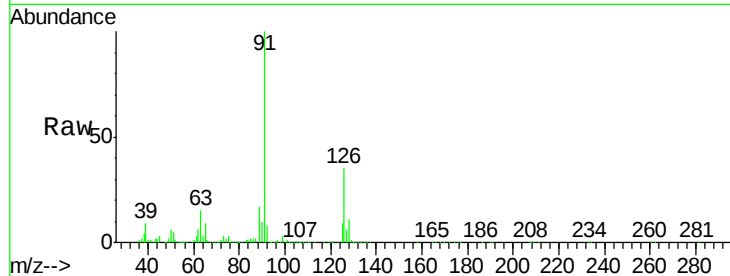
VSTDCCC050

Tot Ion: 91 Resp: 568722

Ion Ratio Lower Upper

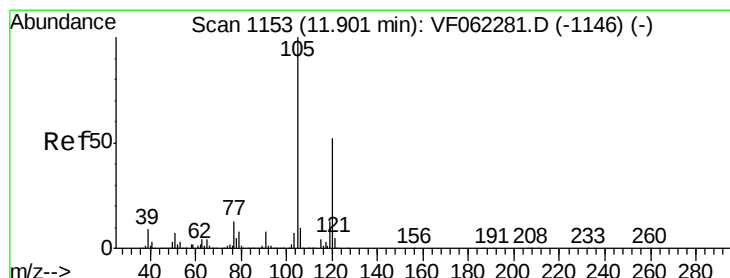
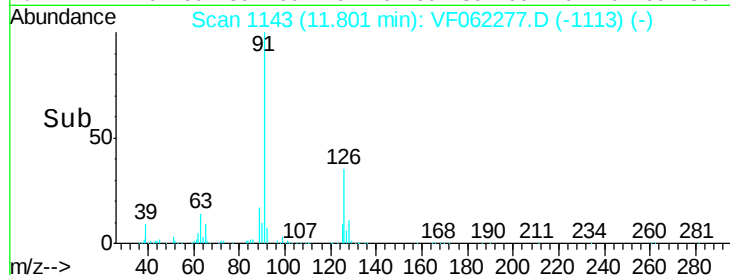
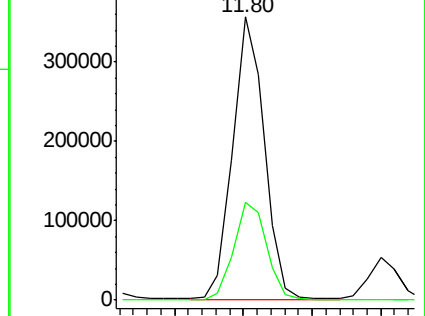
91 100

126 36.4 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 46.666 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VF062277.D

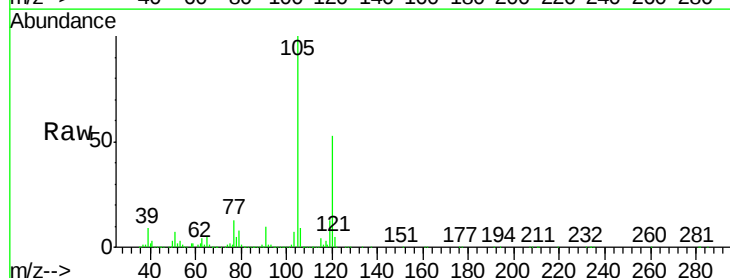
Acq: 24 Apr 2019 12:45

Tgt Ion:105 Resp: 780494

Ion Ratio Lower Upper

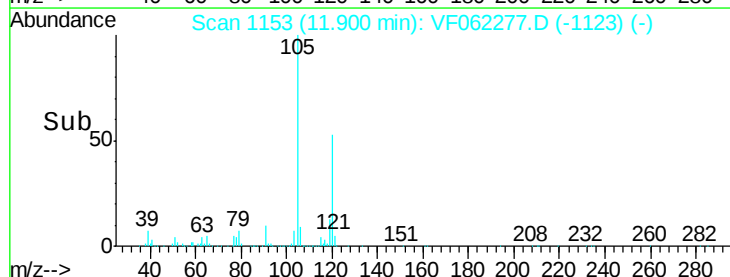
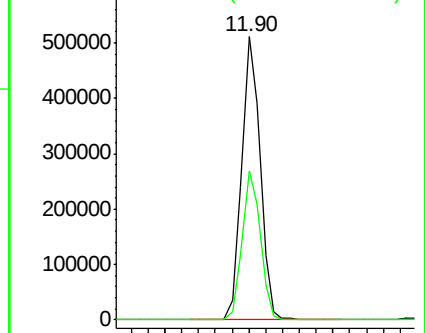
105 100

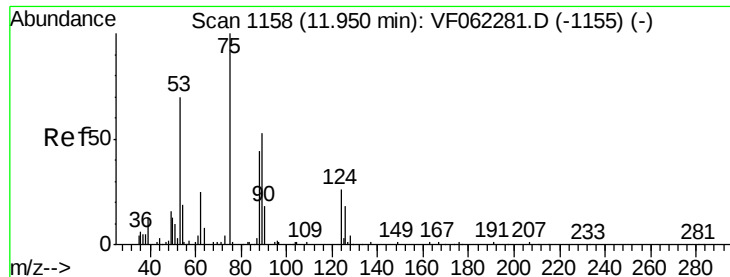
120 51.9 25.8 77.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

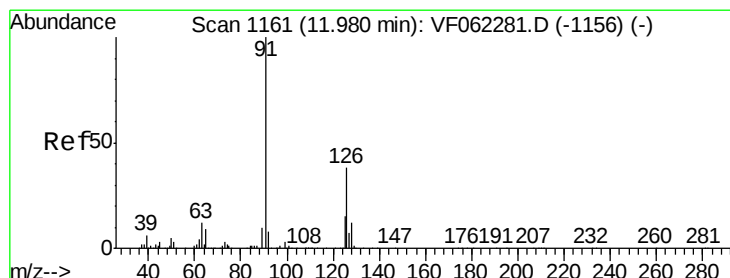
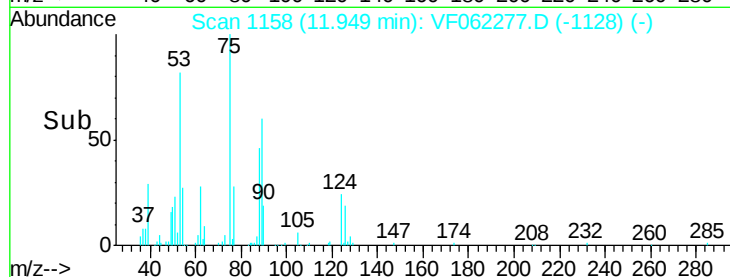
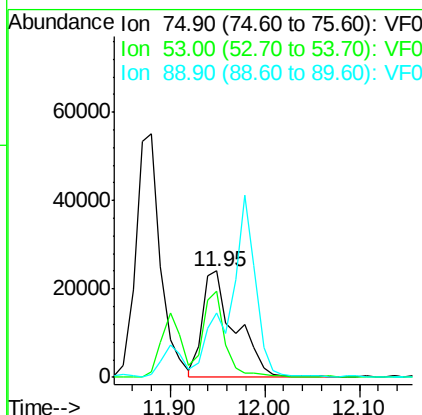
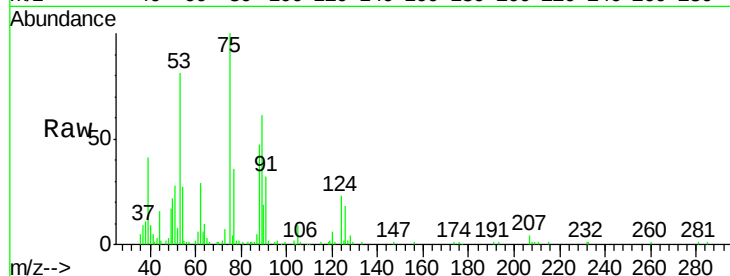




#81
trans-1,4-Dichloro-2-butene
Concen: 45.955 ug/l
RT: 11.95 min Scan# 1158
Delta R.T. -0.00 min
Lab File: VF062277.D
Acq: 24 Apr 2019 12:45

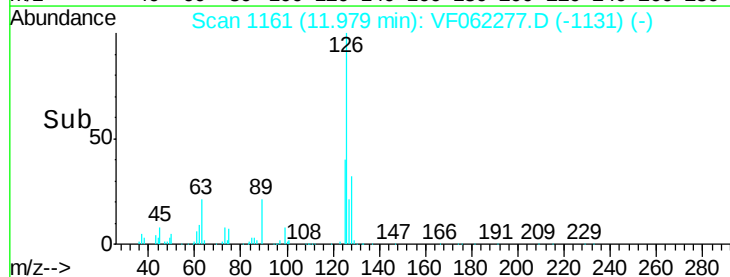
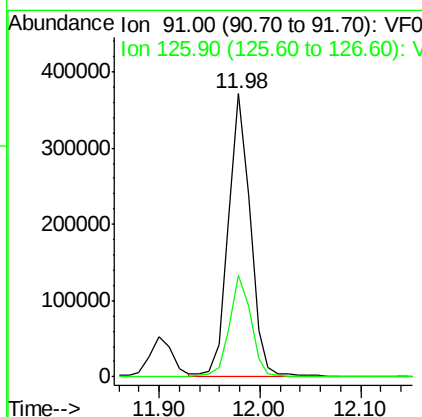
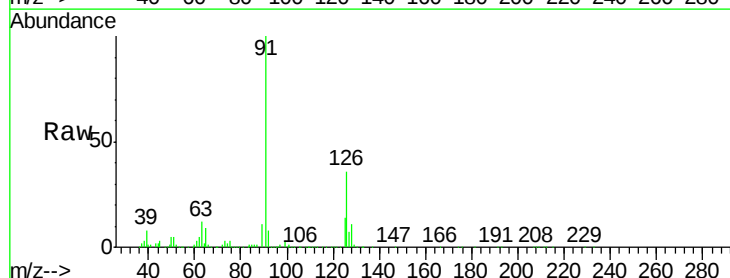
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

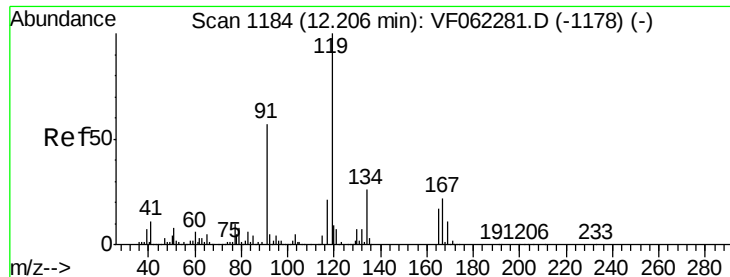
Tot Ion: 75 Resp: 57564
Ion Ratio Lower Upper
75 100
53 55.3 67.1 100.7#
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 45.462 ug/l
RT: 11.98 min Scan# 1161
Delta R.T. -0.00 min
Lab File: VF062277.D
Acq: 24 Apr 2019 12:45

Tgt Ion: 91 Resp: 556967
Ion Ratio Lower Upper
91 100
126 36.2 17.3 52.0

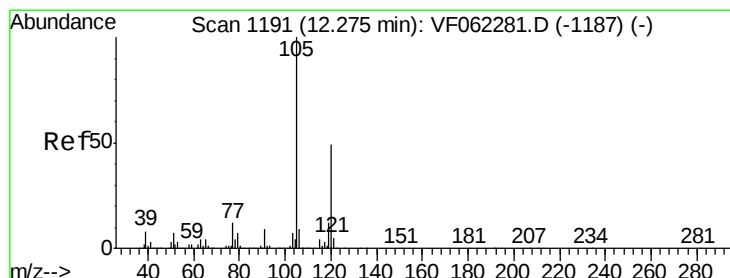
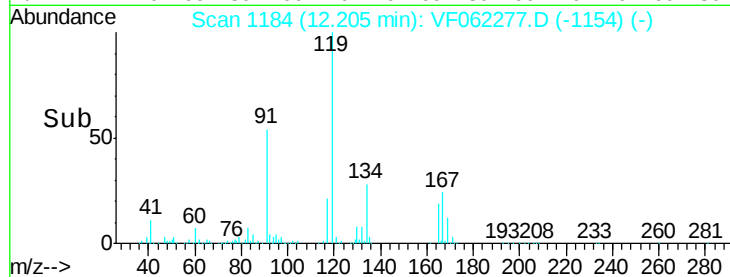
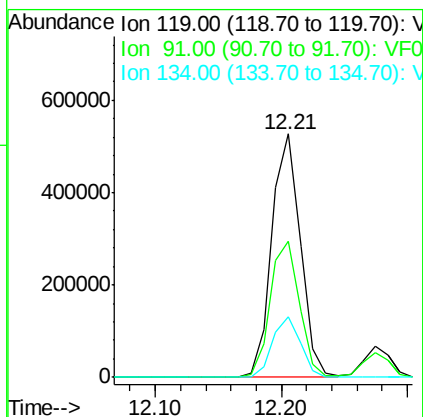
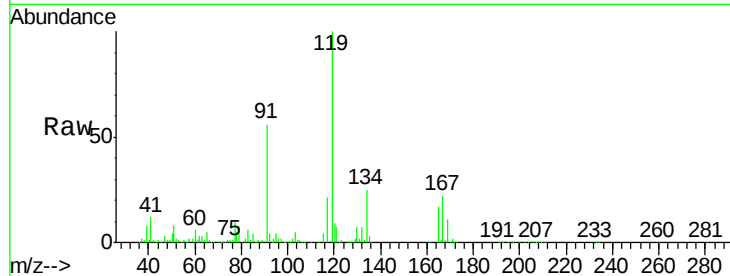




#83
 tert-Butylbenzene
 Concen: 47.424 ug/l
 RT: 12.21 min Scan# 1184
 Delta R.T. -0.00 min
 Lab File: VF062277.D
 Acq: 24 Apr 2019 12:45

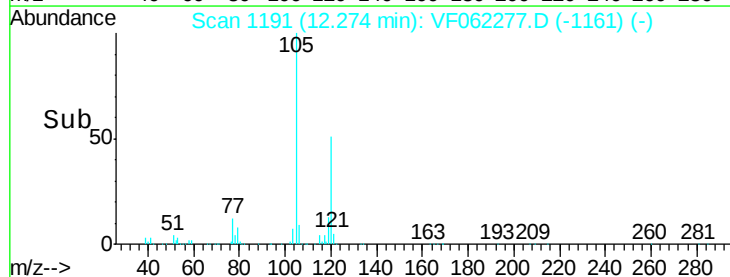
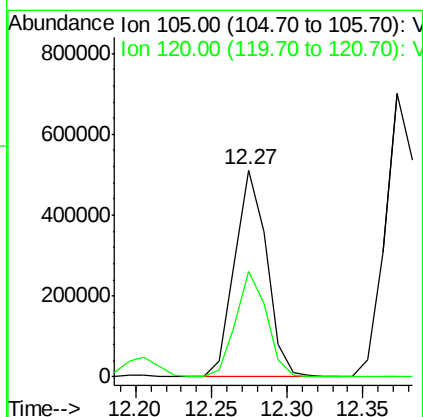
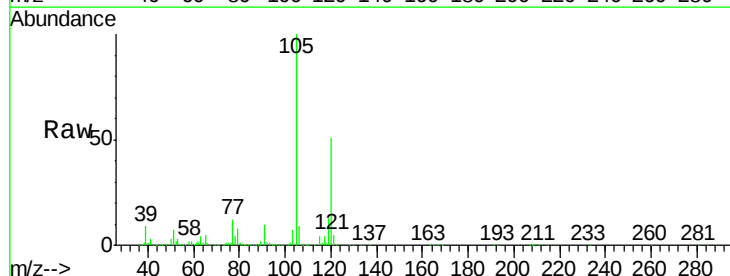
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

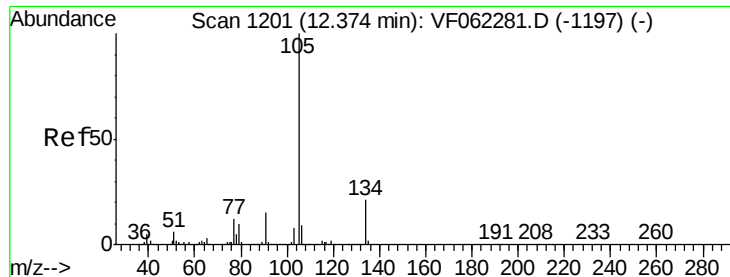
Tot Ion:119 Resp: 831641
 Ion Ratio Lower Upper
 119 100
 91 57.2 29.4 88.2
 134 24.6 11.9 35.7



#84
 1,2,4-Trimethylbenzene
 Concen: 45.840 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VF062277.D
 Acq: 24 Apr 2019 12:45

Tgt Ion:105 Resp: 753957
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.1 72.2

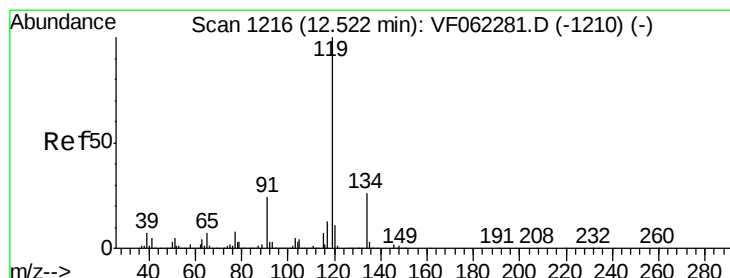
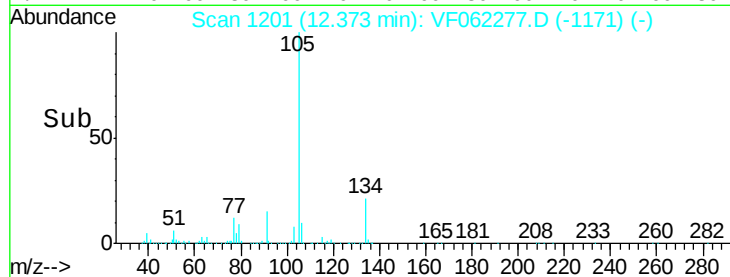
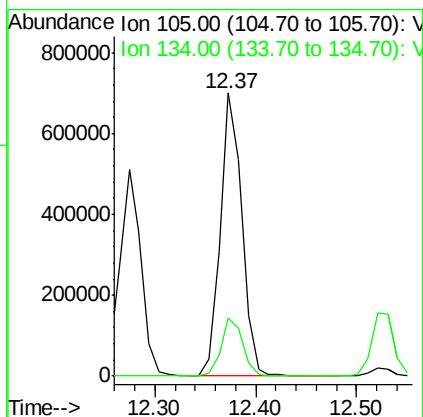
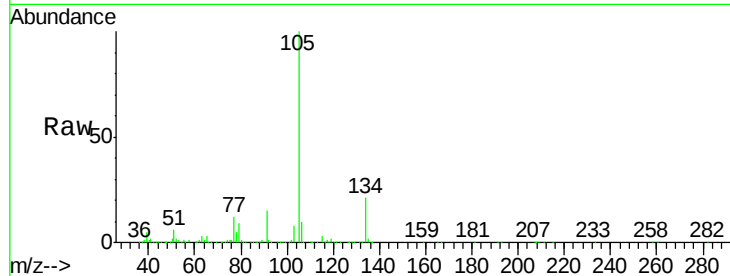




#85
 sec-Butylbenzene
 Concen: 47.945 ug/l
 RT: 12.37 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF062277.D
 Acq: 24 Apr 2019 12:45

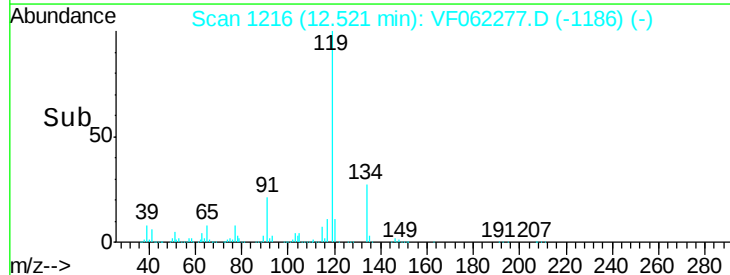
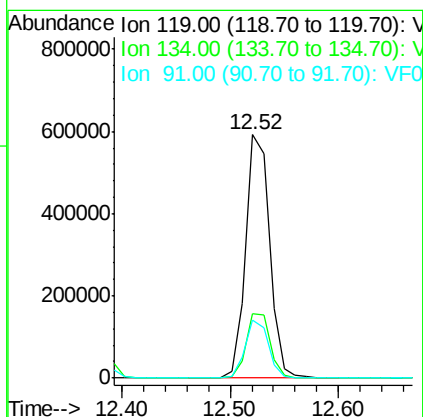
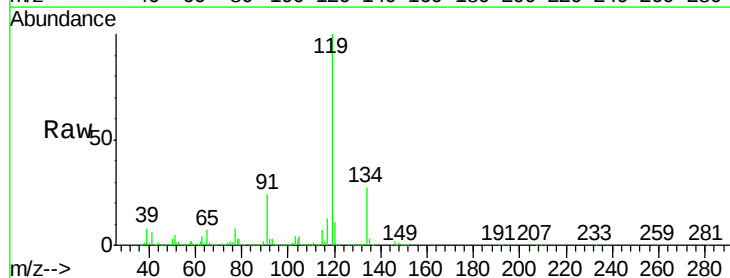
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

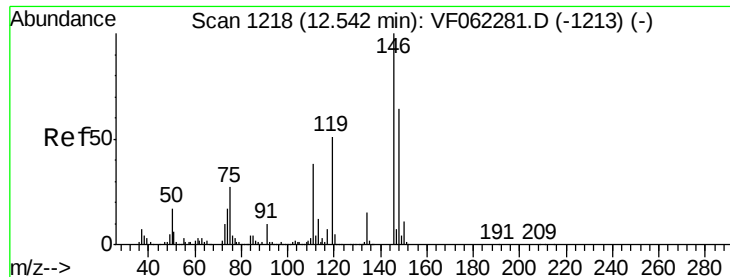
Tot Ion:105 Resp: 1043715
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 47.003 ug/l
 RT: 12.52 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: VF062277.D
 Acq: 24 Apr 2019 12:45

Tgt Ion:119 Resp: 910802
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.2 39.5
 91 23.2 11.6 34.7

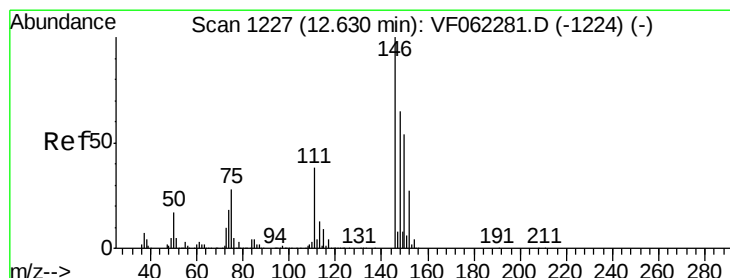
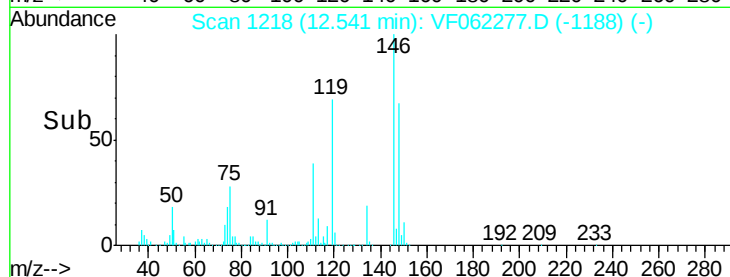
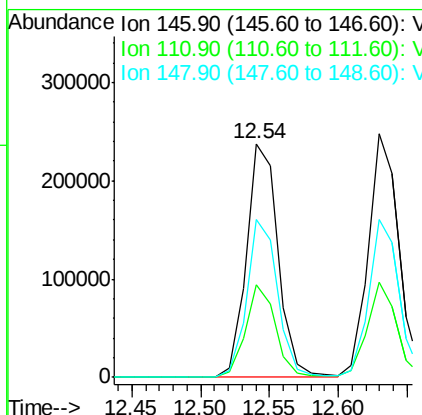
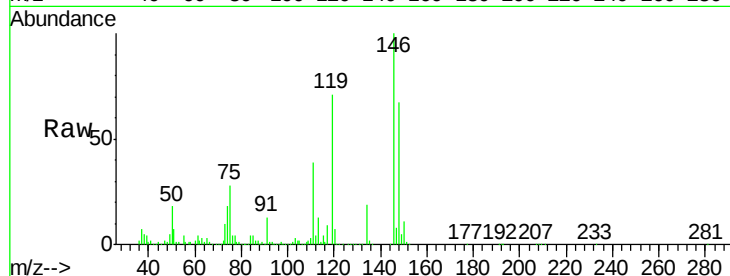




#87
 1,3-Dichlorobenzene
 Concen: 43.608 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VF062277.D
 Acq: 24 Apr 2019 12:45

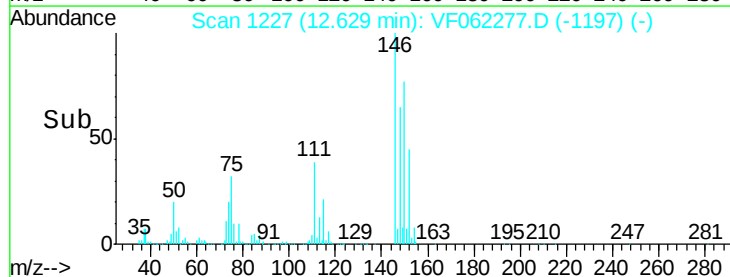
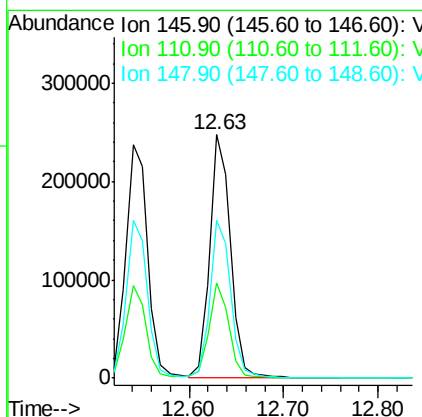
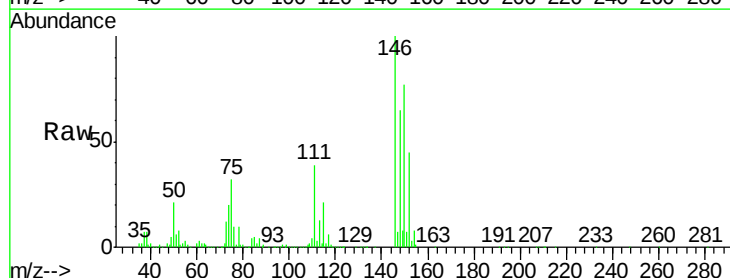
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

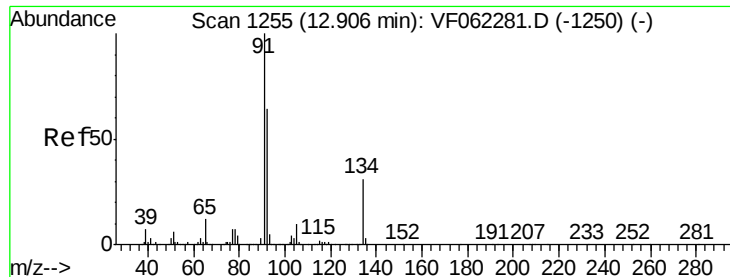
Tot Ion:146 Resp: 382540
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.6 55.8
 148 65.9 32.8 98.4



#88
 1,4-Dichlorobenzene
 Concen: 46.305 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VF062277.D
 Acq: 24 Apr 2019 12:45

Tgt Ion:146 Resp: 380899
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.6 56.0
 148 64.6 32.5 97.5

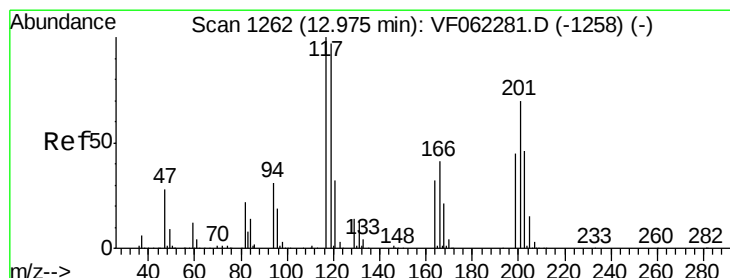
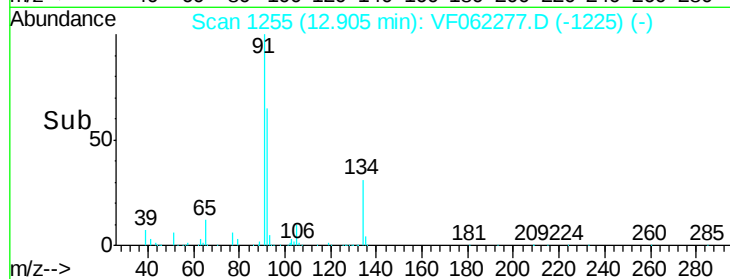
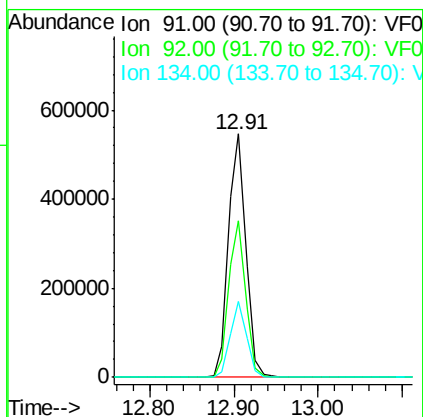
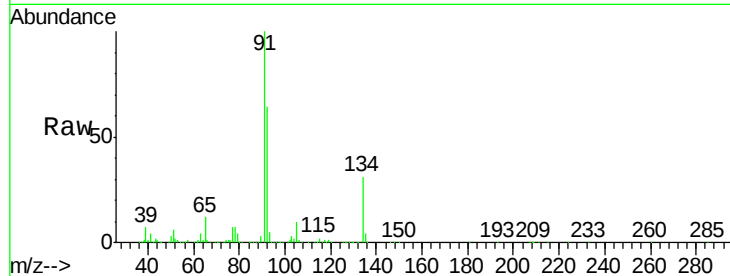




#89
n-Butylbenzene
Concen: 43.465 ug/l
RT: 12.91 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VF062277.D
Acq: 24 Apr 2019 12:45

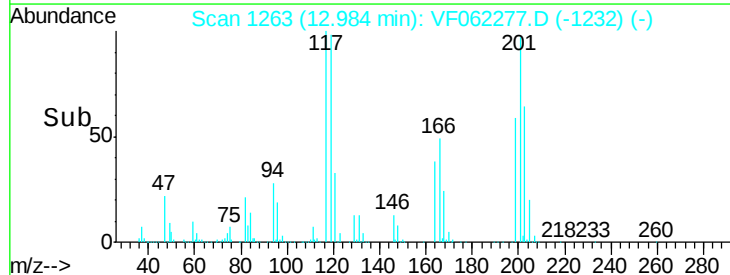
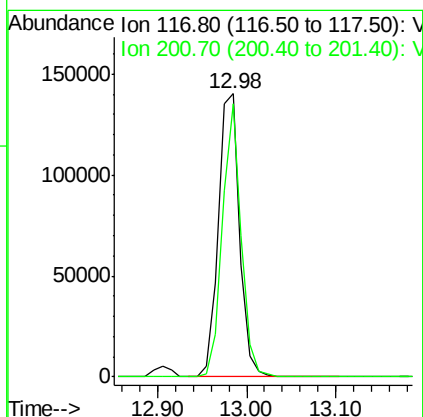
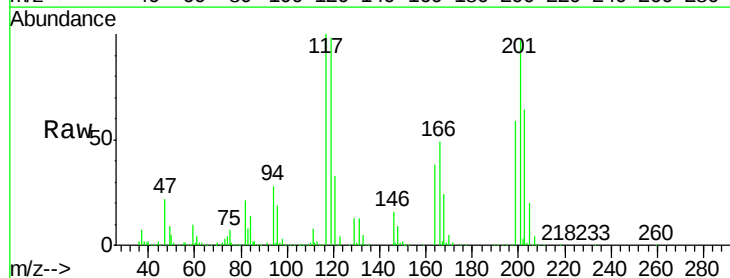
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

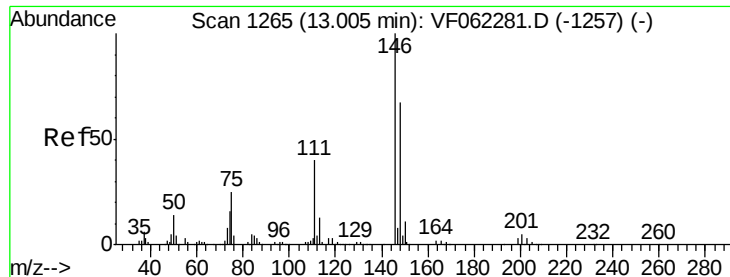
Tot Ion: 91 Resp: 785449
Ion Ratio Lower Upper
91 100
92 62.7 31.1 93.3
134 28.9 14.4 43.4



#90
Hexachloroethane
Concen: 49.102 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VF062277.D
Acq: 24 Apr 2019 12:45

Tgt Ion: 117 Resp: 236063
Ion Ratio Lower Upper
117 100
201 85.6 42.9 128.5





#91

1,2-Dichlorobenzene

Concen: 43.990 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VF062277.D

Acq: 24 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

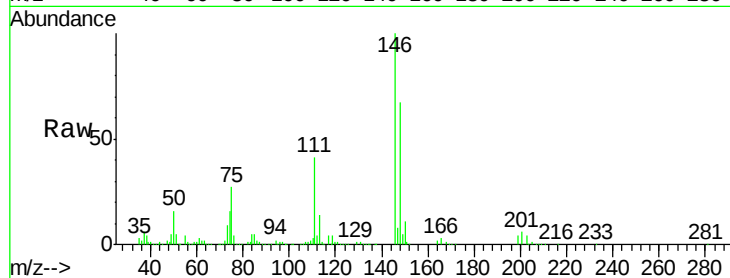
Tot Ion:146 Resp: 370962

Ion Ratio Lower Upper

146 100

111 39.9 20.0 59.9

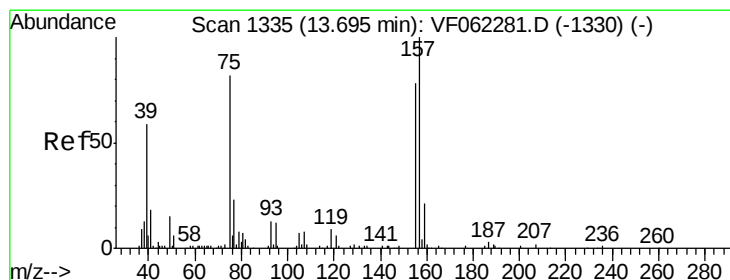
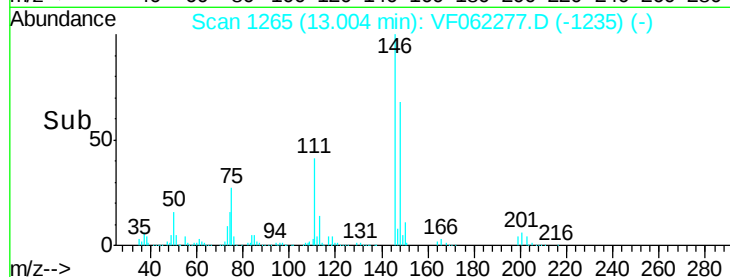
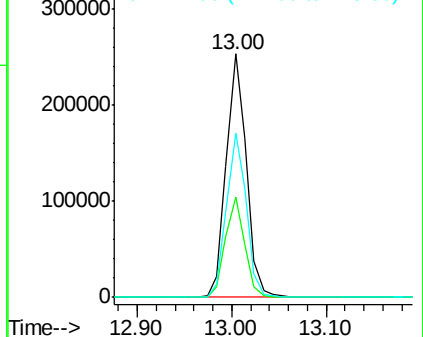
148 67.0 33.1 99.5



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: 49.700 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VF062277.D

Acq: 24 Apr 2019 12:45

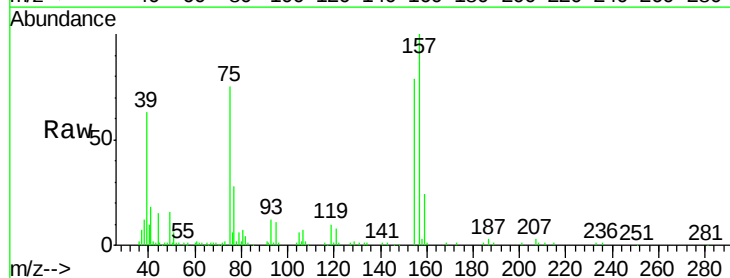
Tgt Ion: 75 Resp: 30199

Ion Ratio Lower Upper

75 100

155 106.8 51.7 155.2

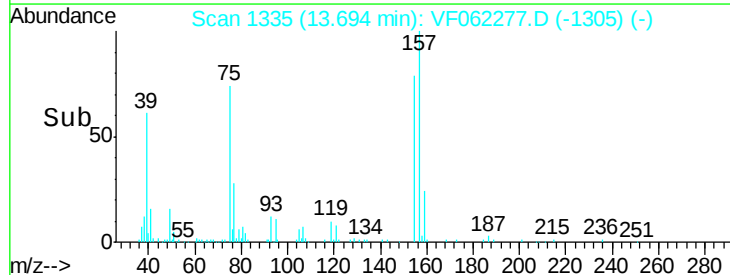
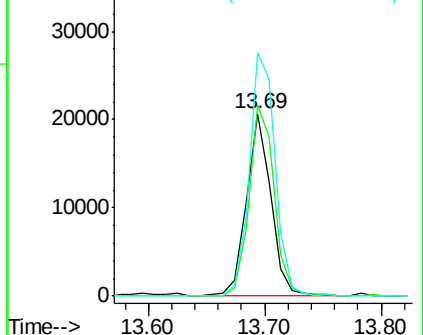
157 139.2 64.5 193.5

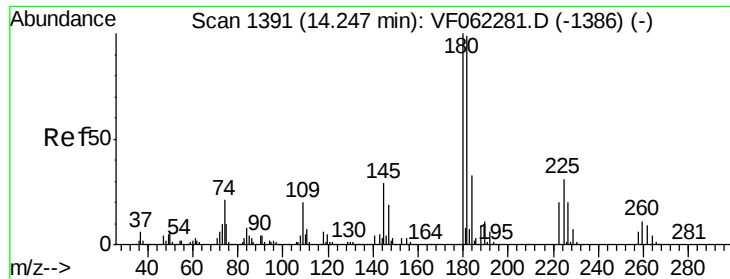


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

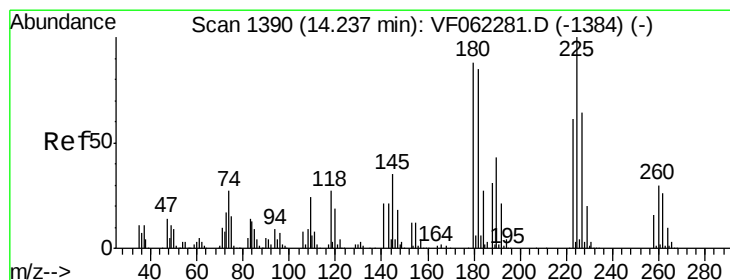
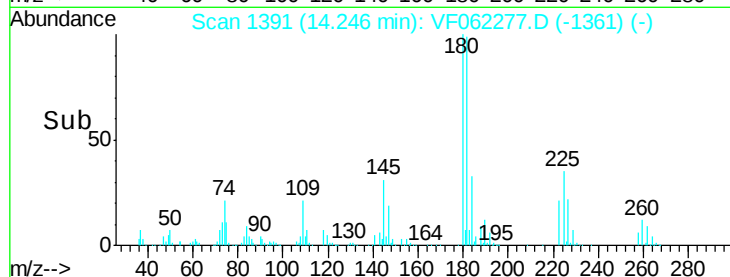
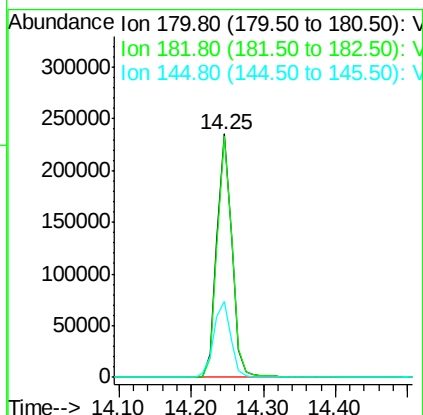
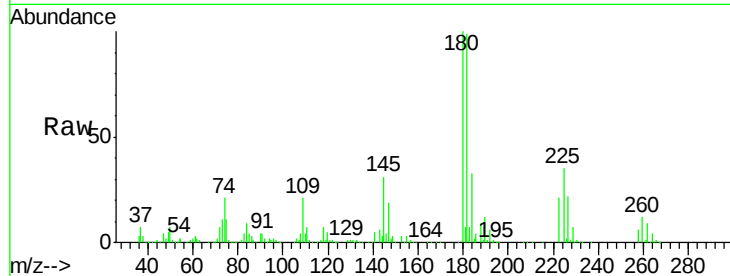




#93
 1,2,4-Trichlorobenzene
 Concen: 44.911 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VF062277.D
 Acq: 24 Apr 2019 12:45

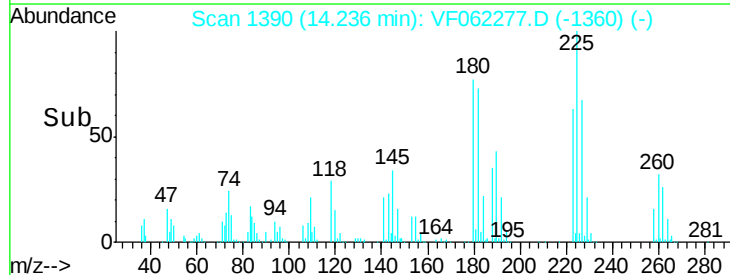
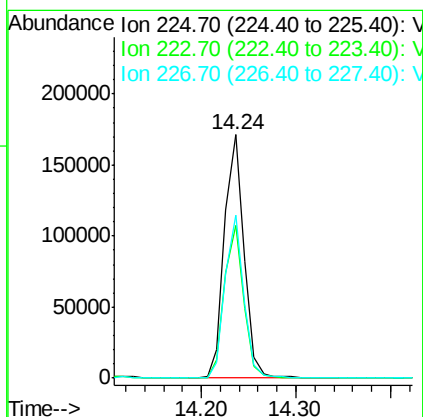
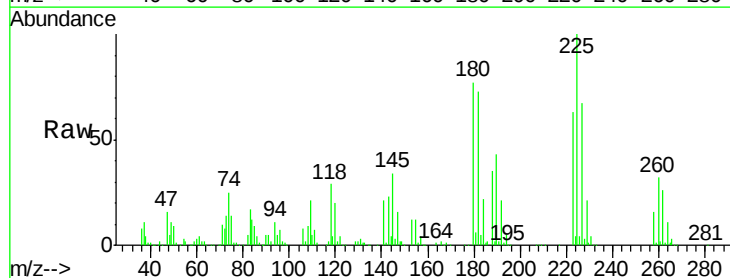
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

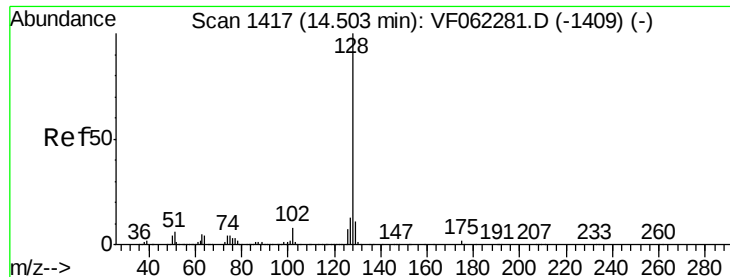
Tot Ion:180 Resp: 335557
 Ion Ratio Lower Upper
 180 100
 182 98.0 48.5 145.6
 145 35.4 16.7 50.1



#94
 Hexachlorobutadiene
 Concen: 46.220 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062277.D
 Acq: 24 Apr 2019 12:45

Tgt Ion:225 Resp: 245111
 Ion Ratio Lower Upper
 225 100
 223 62.4 30.8 92.3
 227 64.6 31.9 95.5





#95

Naphthalene

Concen: 47.382 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VF062277.D

Acq: 24 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

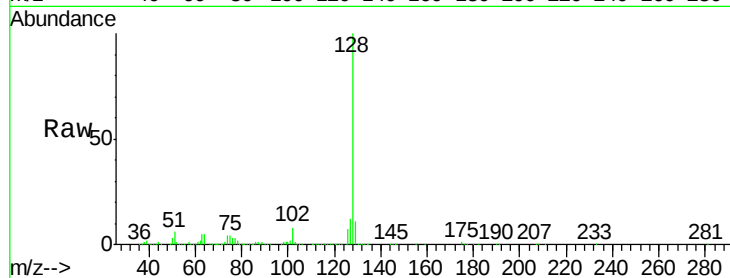
Tot Ion:128 Resp: 525651

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

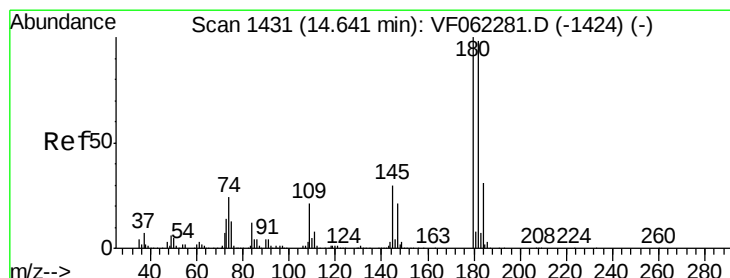
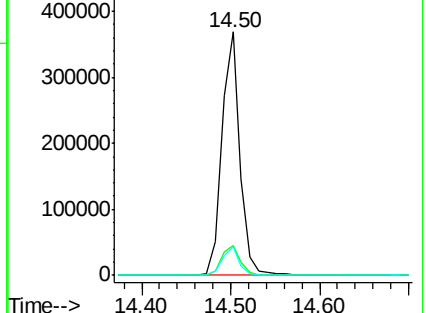
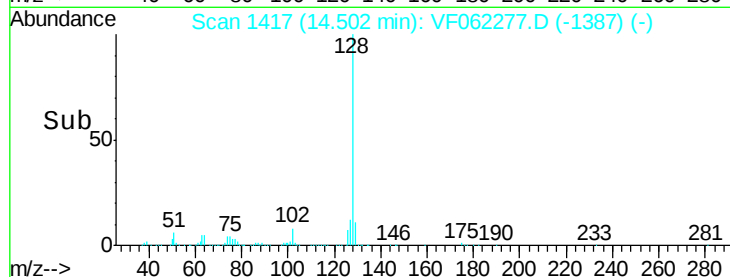
129 11.1 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.287 ug/l

RT: 14.64 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VF062277.D

Acq: 24 Apr 2019 12:45

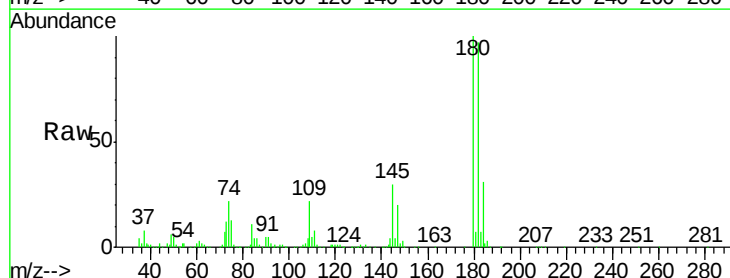
Tgt Ion:180 Resp: 332065

Ion Ratio Lower Upper

180 100

182 98.2 49.0 147.2

145 29.5 14.5 43.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

