

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

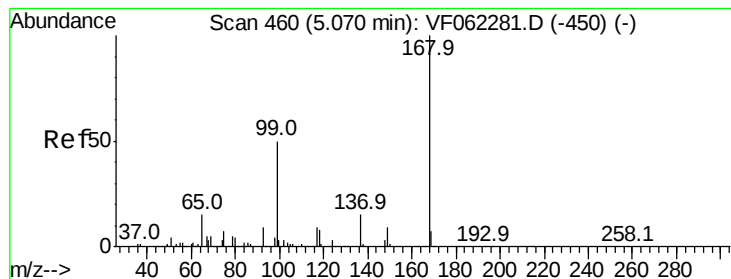
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF042419\
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Response via : Initial Calibration

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 :

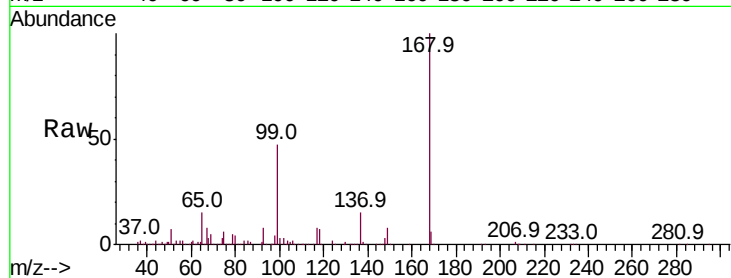
VSTDCCC050

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): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.07

150000

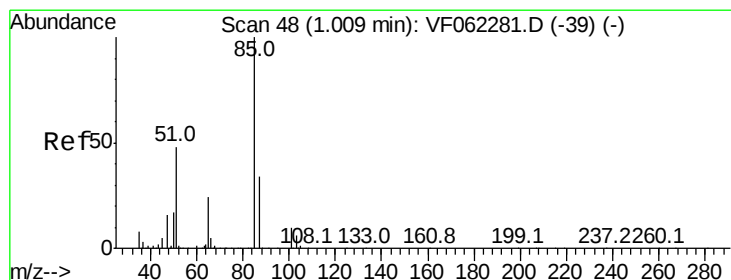
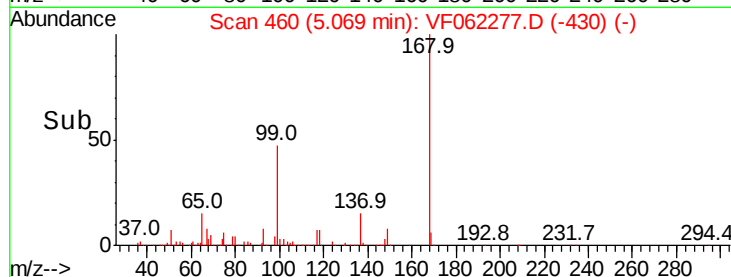
100000

50000

0

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

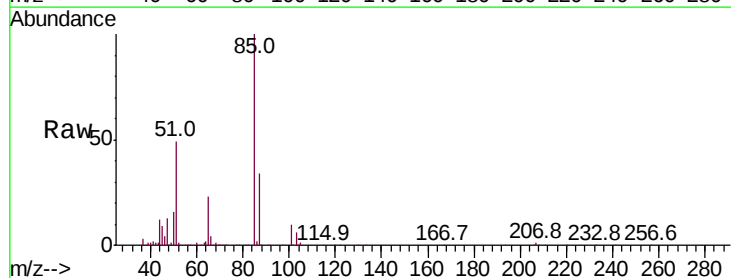
Acq: 24 Apr 2019 12:45

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

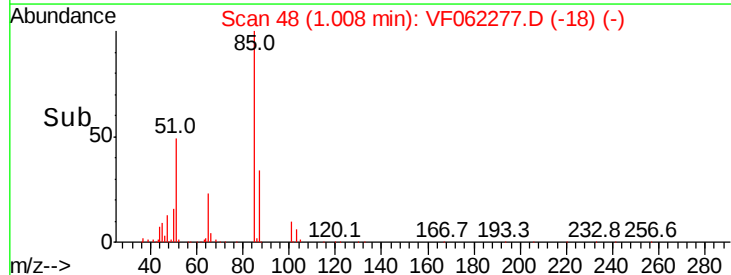
40000

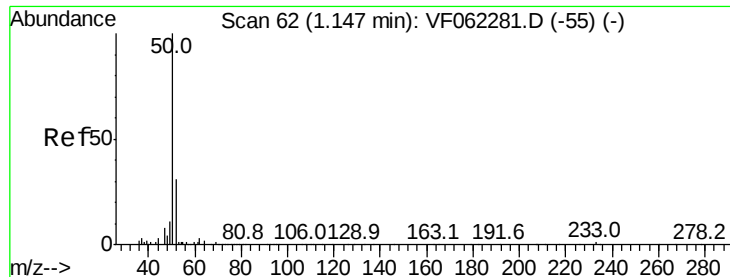
20000

0

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 :

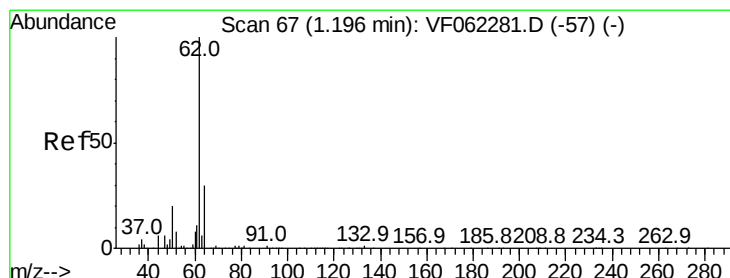
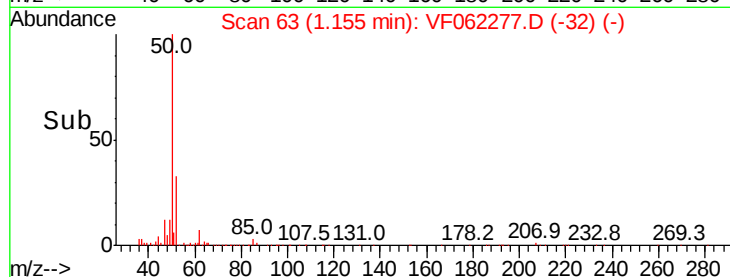
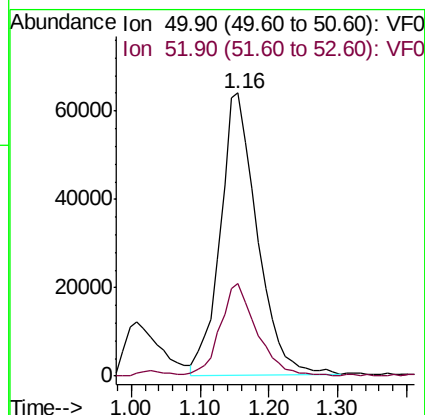
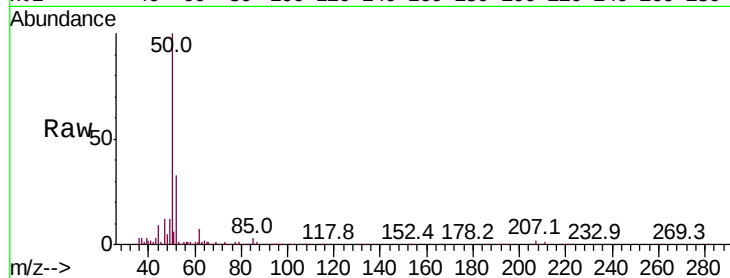
VSTDCCC050

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

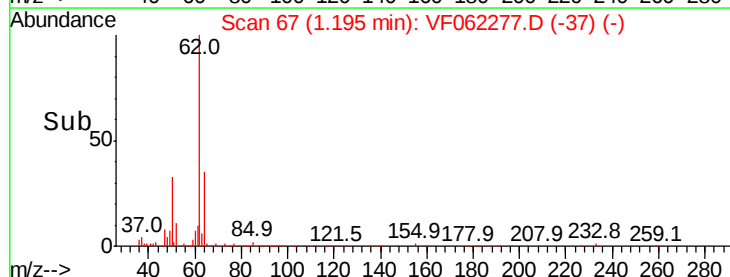
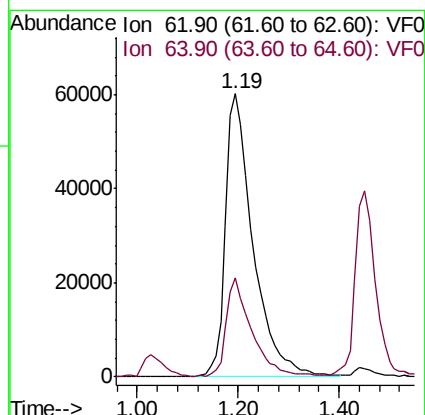
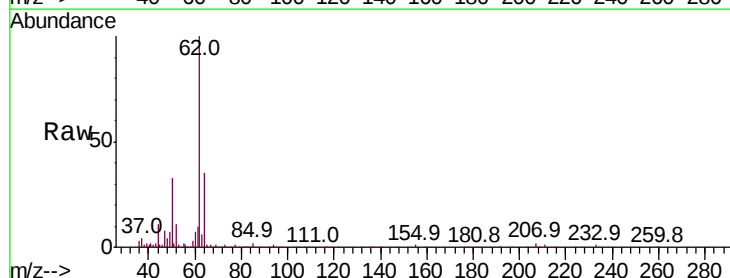
Acq: 24 Apr 2019 12:45

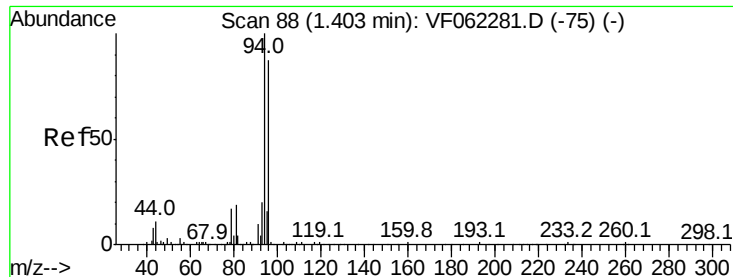
Tgt Ion: 62 Resp: 228893

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 :

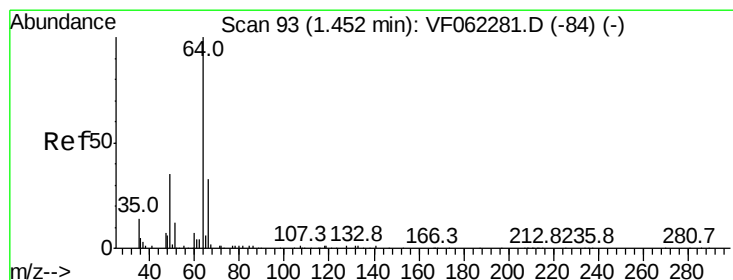
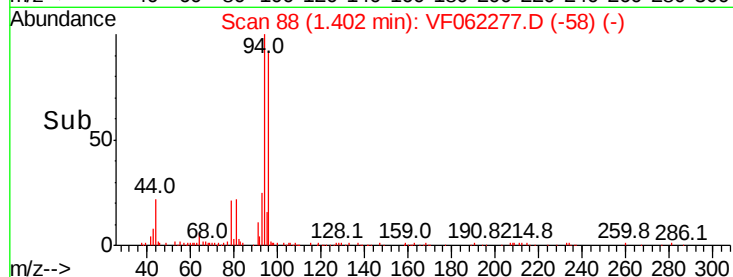
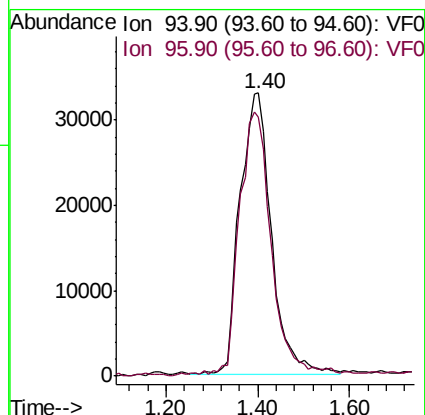
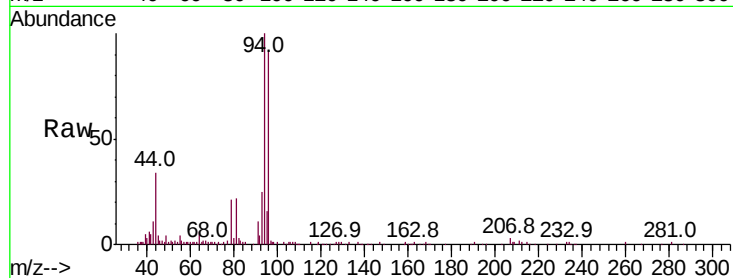
VSTDCCC050

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

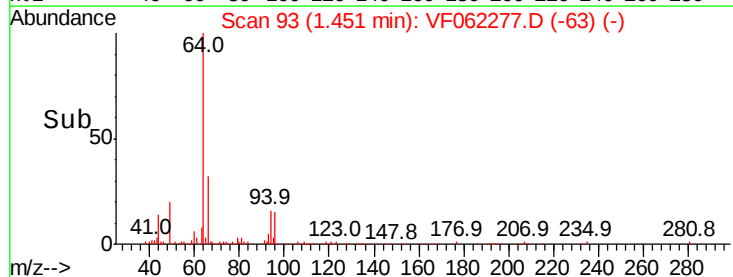
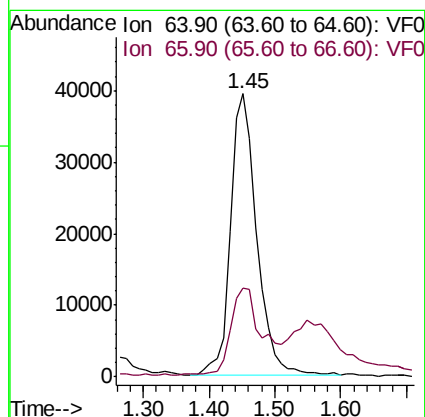
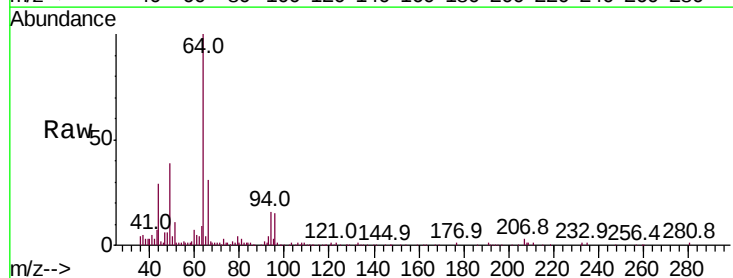
Acq: 24 Apr 2019 12:45

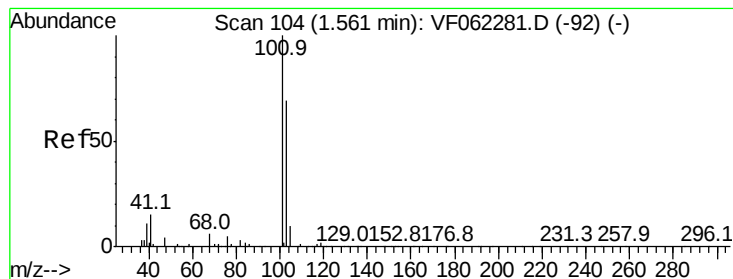
Tgt Ion: 64 Resp: 110262

Ion Ratio Lower Upper

64 100

66 30.5 26.0 39.0



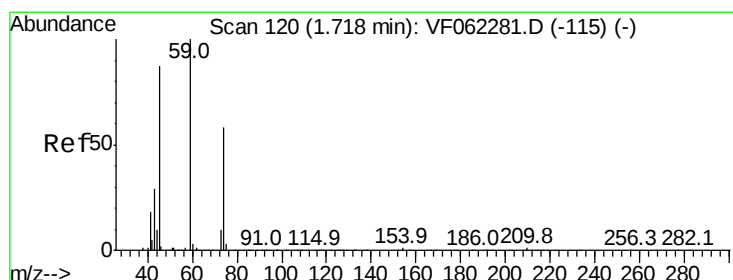
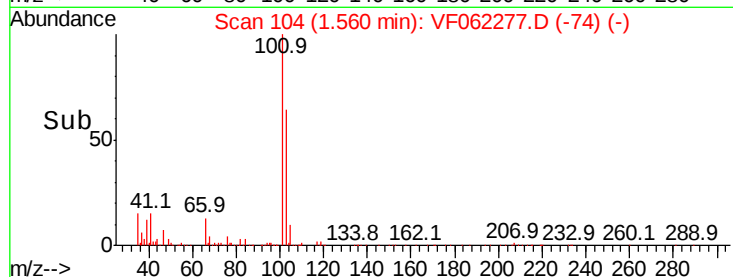
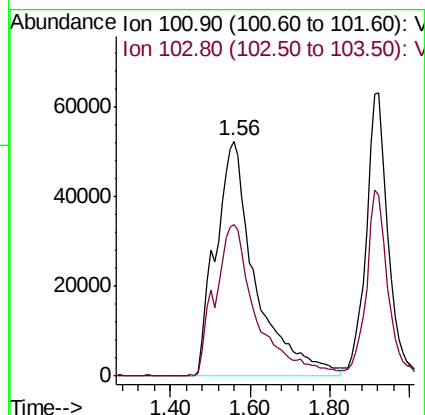
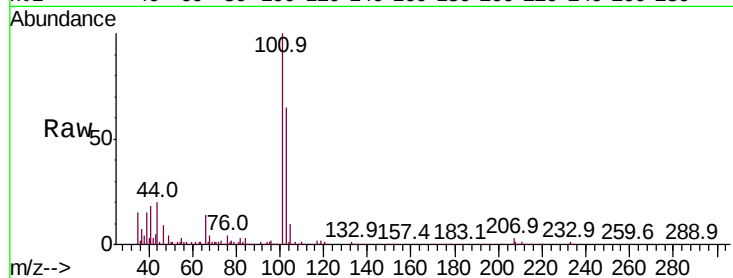


#7

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 :
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ClientSampleId :
VSTDCCC050

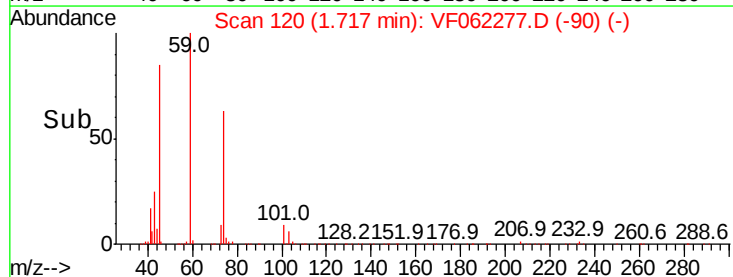
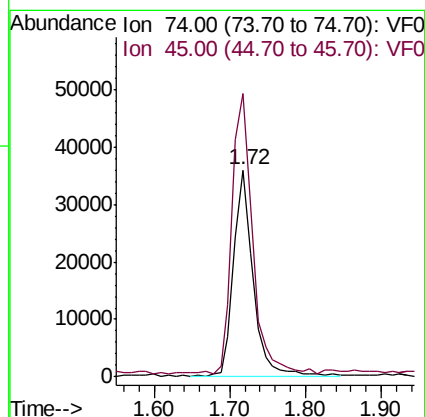
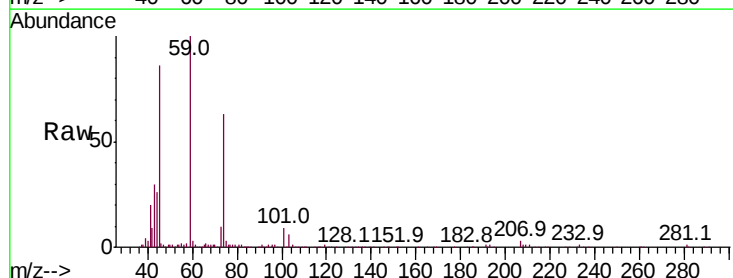
Tot Ion:101 Resp: 365693
Ion Ratio Lower Upper
101 100
103 64.1 55.0 82.6

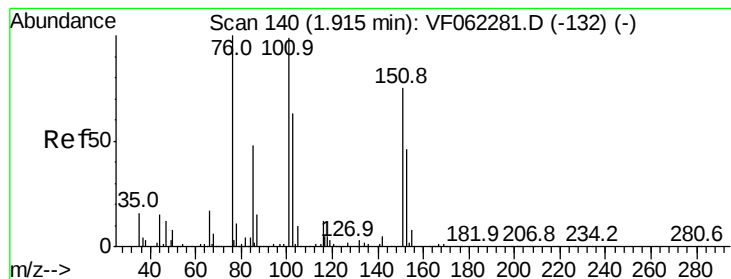


#8

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





#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

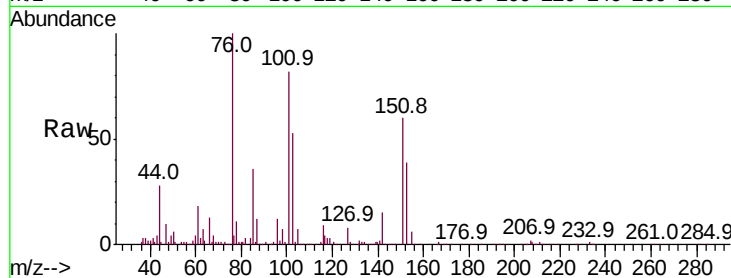
Tot Ion:101 Resp: 224871

Ion Ratio Lower Upper

101 100

85 46.7 36.5 54.7

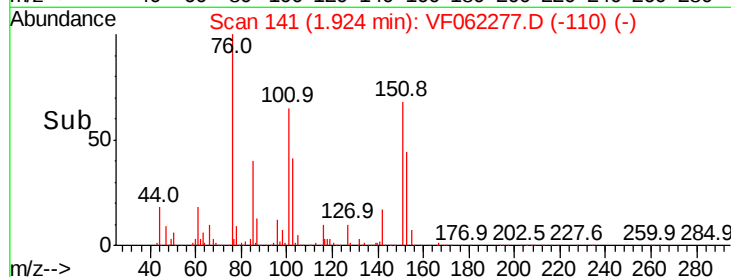
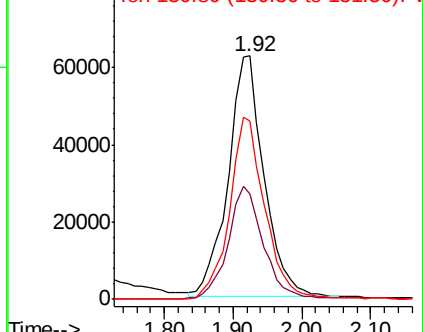
151 74.8 59.2 88.8



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

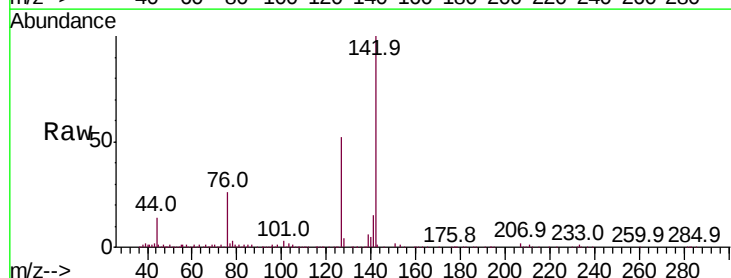
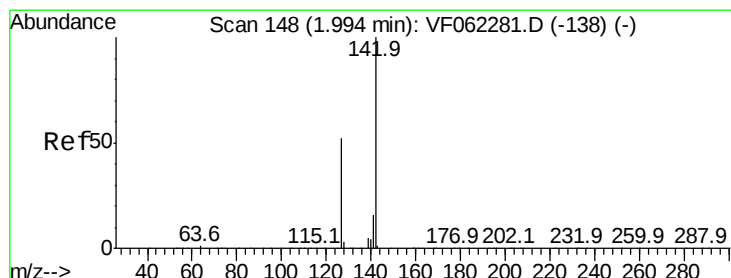
Tgt Ion:142 Resp: 395746

Ion Ratio Lower Upper

142 100

127 52.8 43.0 64.4

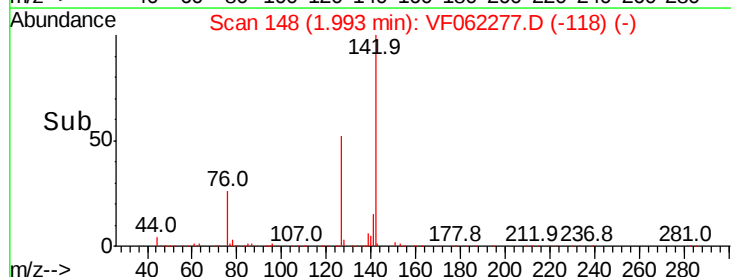
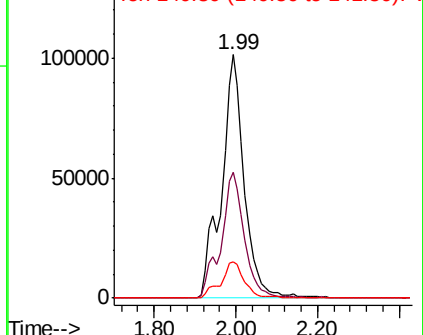
141 15.6 12.3 18.5

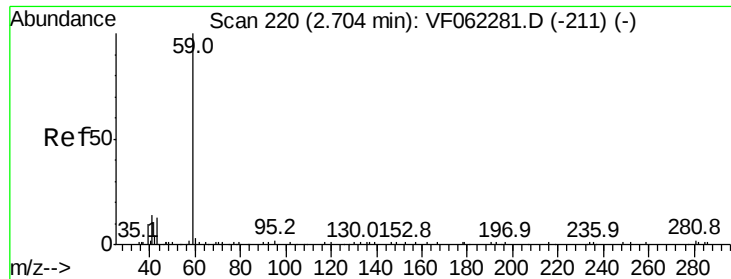


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



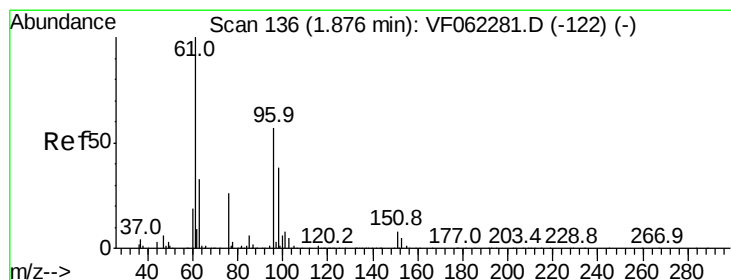
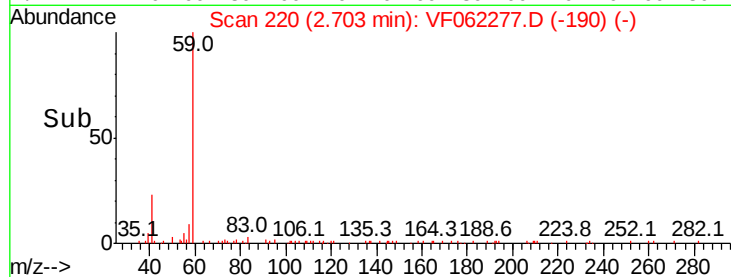
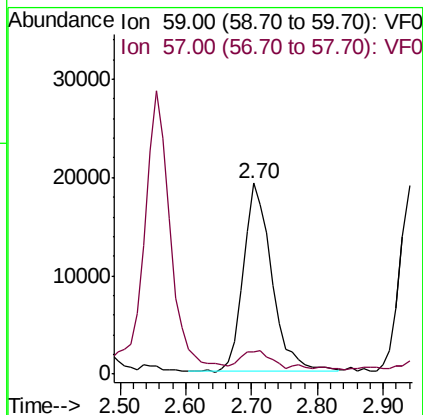
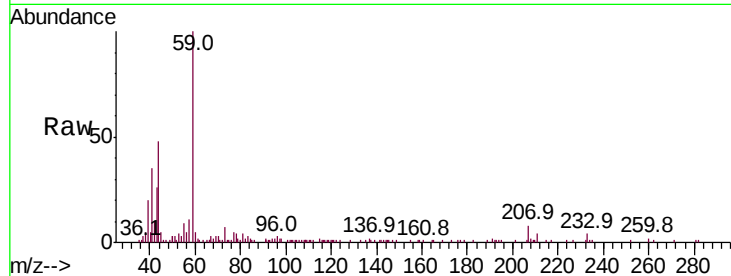


#11

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

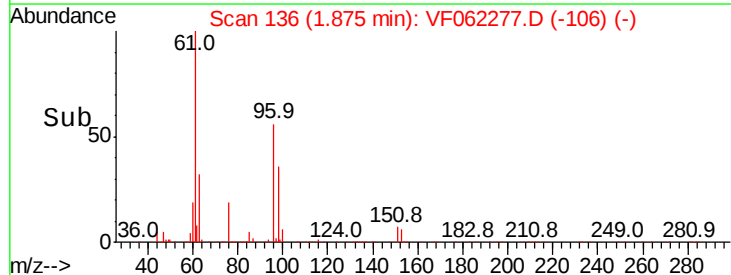
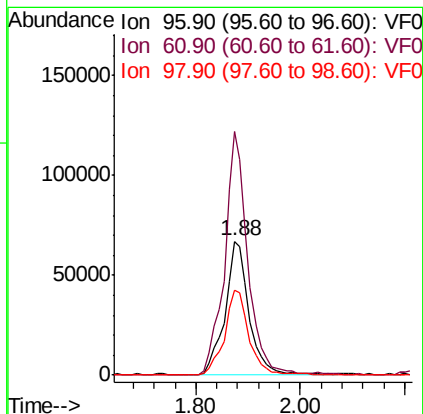
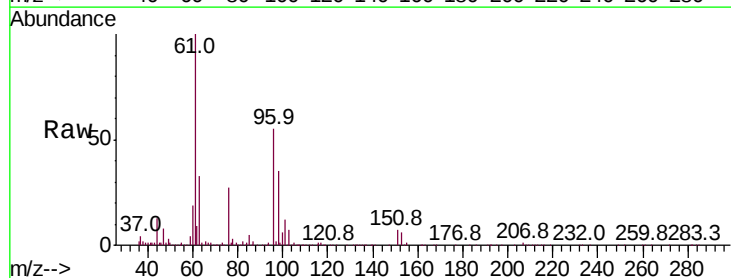
Tot Ion: 59 Resp: 58042
 Ion Ratio Lower Upper
 59 100
 57 9.6 8.8 13.2

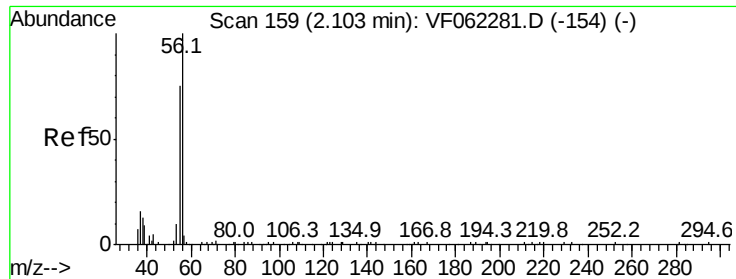


#12

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 :

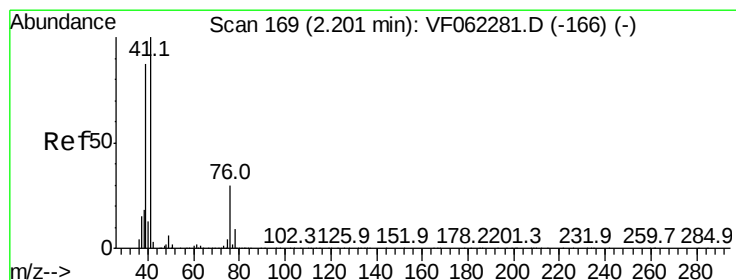
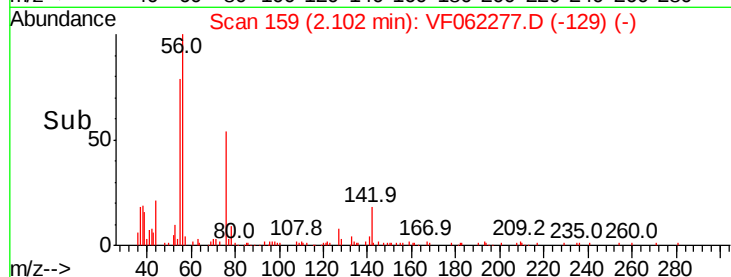
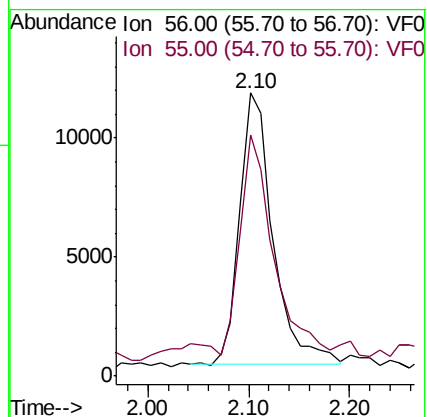
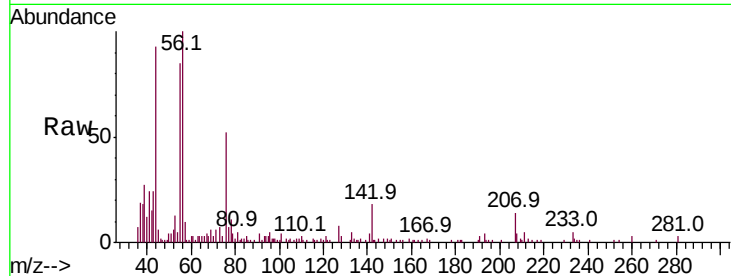
VSTDCCC050

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

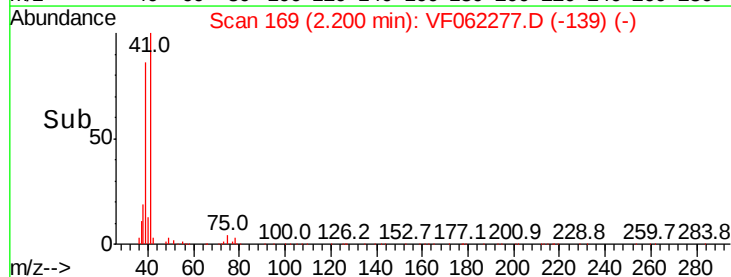
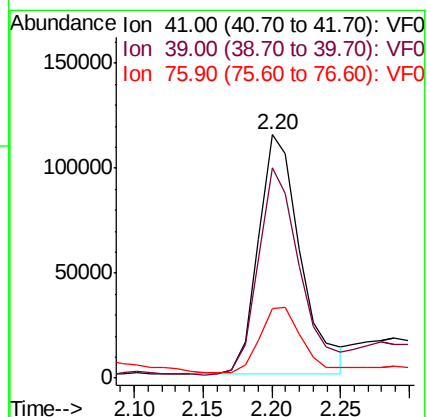
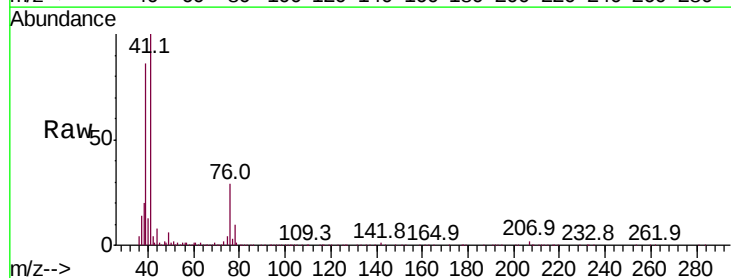
Tgt Ion: 41 Resp: 245101

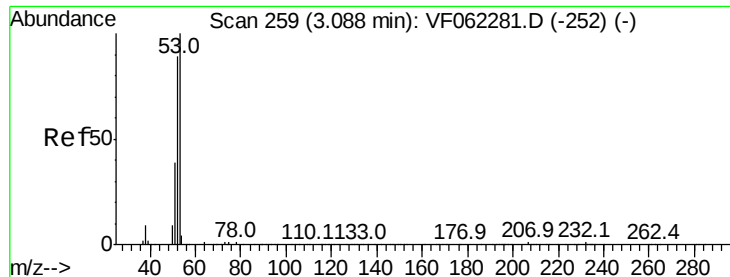
Ion Ratio Lower Upper

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

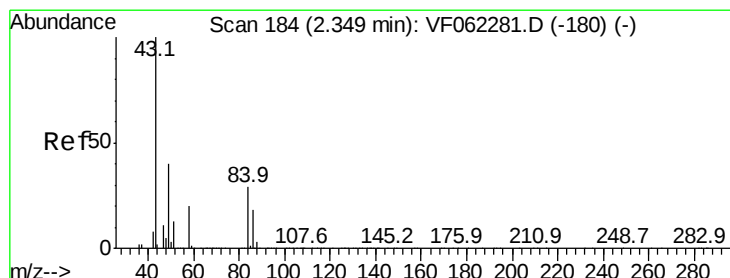
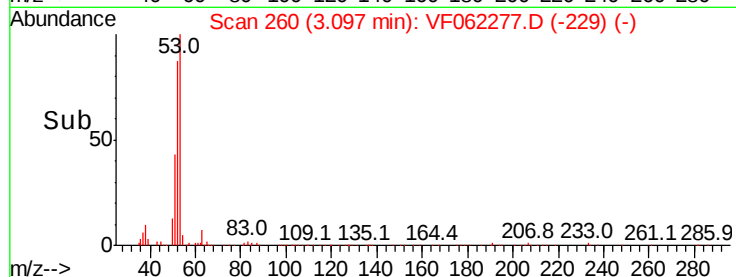
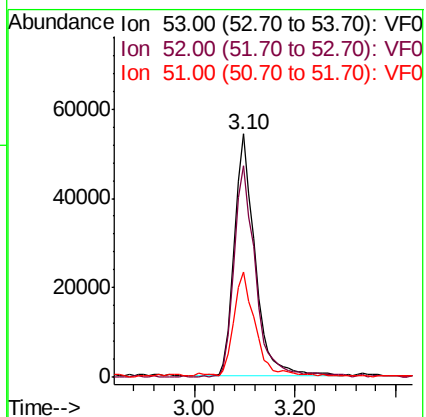
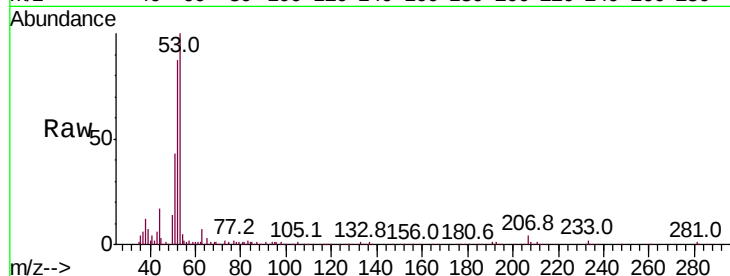
Tot Ion: 53 Resp: 151248

Ion Ratio Lower Upper

53 100

52 90.5 70.6 105.8

51 42.2 32.6 48.8



#16

Acetone

Concen: 281.986 ug/l

RT: 2.36 min Scan# 185

Delta R.T. 0.01 min

Lab File: VF062277.D

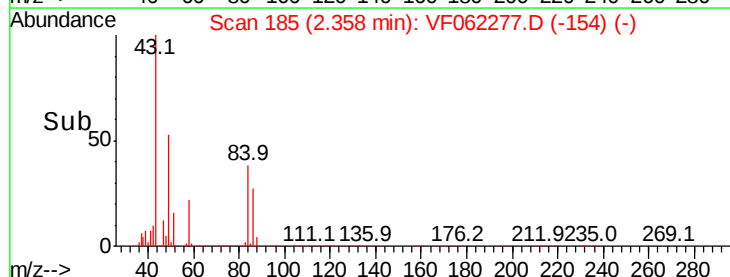
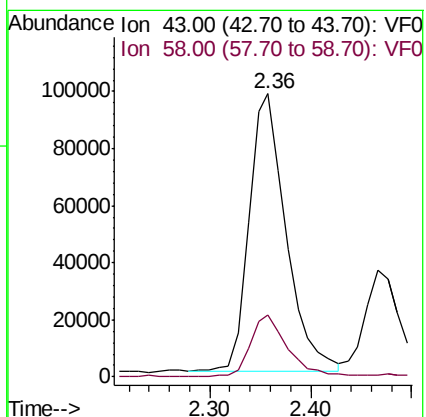
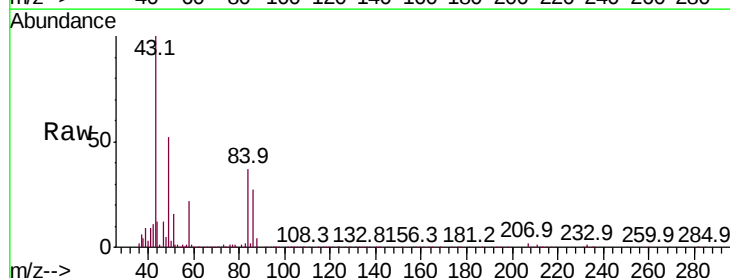
Acq: 24 Apr 2019 12:45

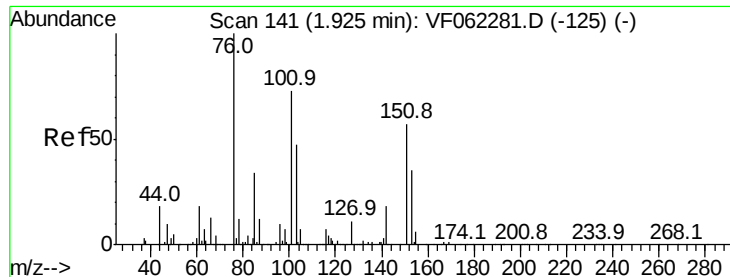
Tgt Ion: 43 Resp: 248949

Ion Ratio Lower Upper

43 100

58 22.0 16.4 24.6

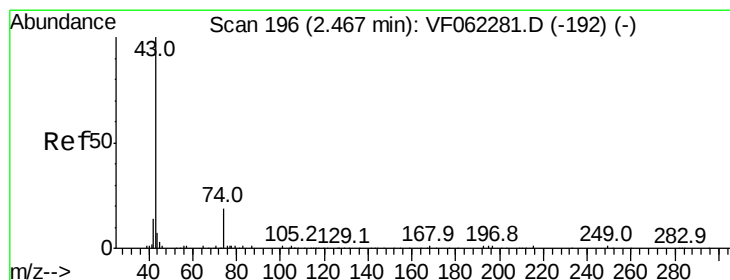
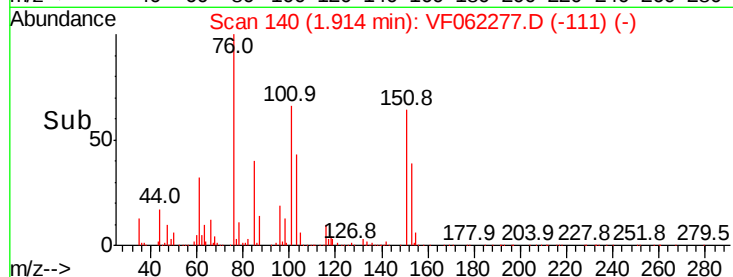
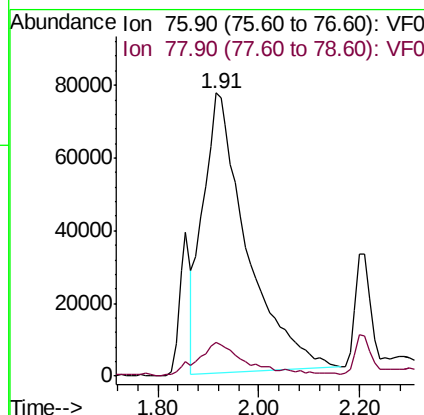
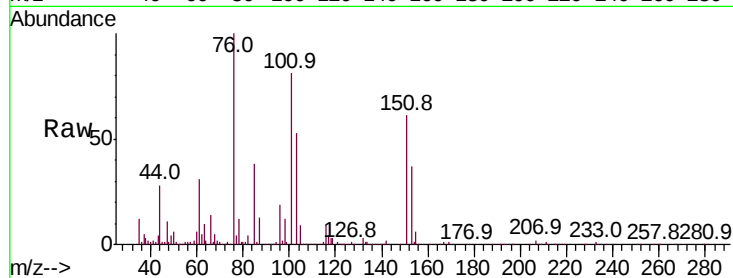




#17
Carbon Disulfide
Concen: 41.562 ug/l
RT: 1.91 min Scan# 140
Delta R.T. -0.01 min
Lab File: VF062277.D
Acq: 24 Apr 2019 12:45

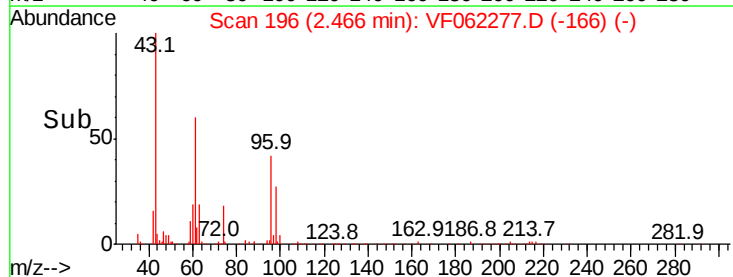
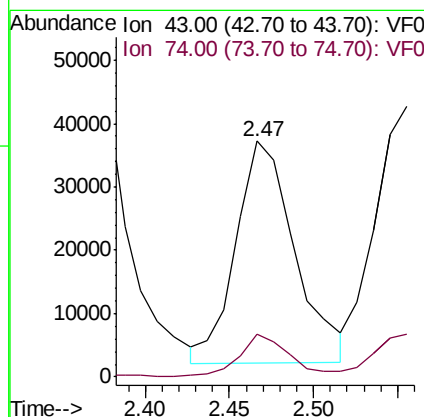
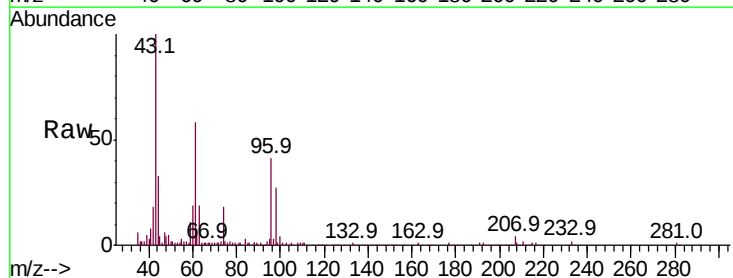
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

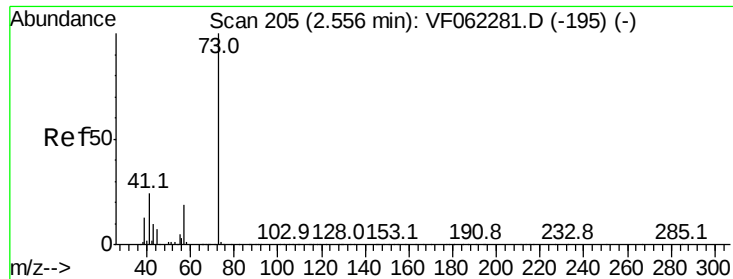
Tot Ion: 76 Resp: 463125
Ion Ratio Lower Upper
76 100
78 11.5 9.8 14.8



#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

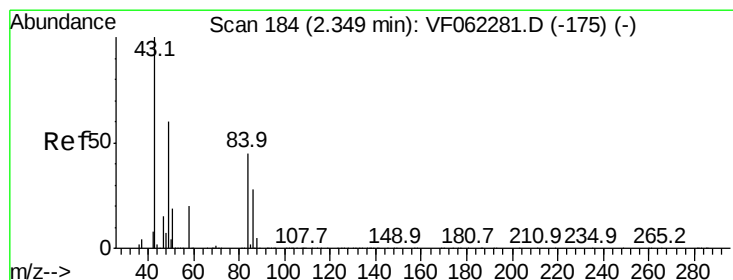
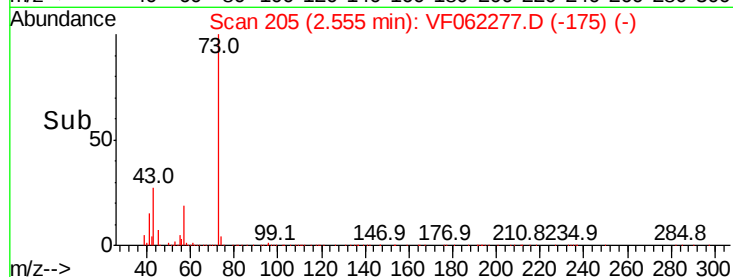
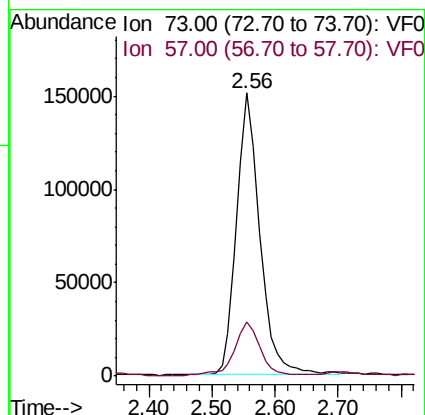
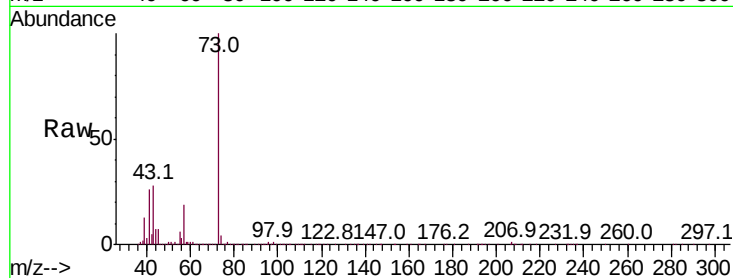




#19
Methvl tert-butvl Ether
Concen: 48.715 ug/l
RT: 2.56 min Scan# 205
Delta R.T. -0.00 min
Lab File: VF062277.D
Acq: 24 Apr 2019 12:45

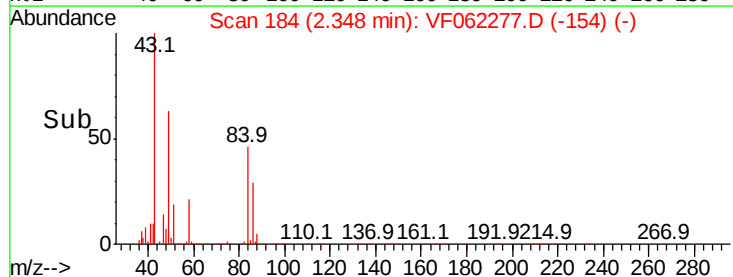
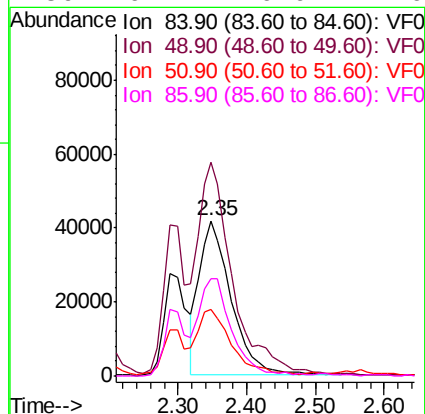
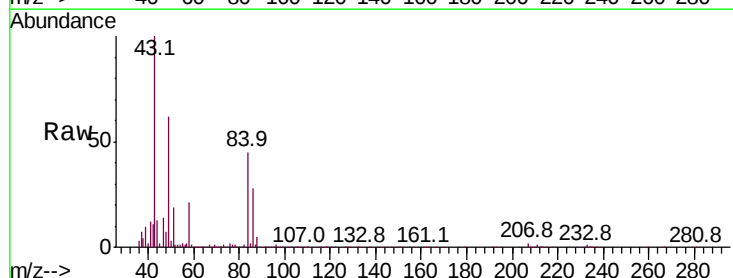
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

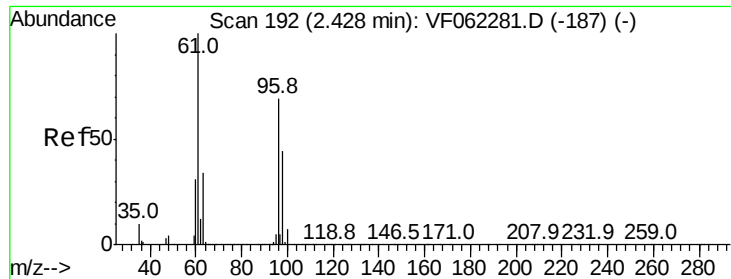
Tot Ion: 73 Resp: 385720
Ion Ratio Lower Upper
73 100
57 18.6 15.5 23.3



#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

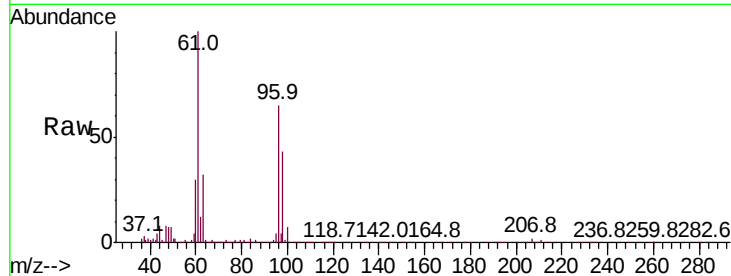
Tot Ion: 96 Resp: 191248

Ion Ratio Lower Upper

96 100

61 152.9 116.2 174.2

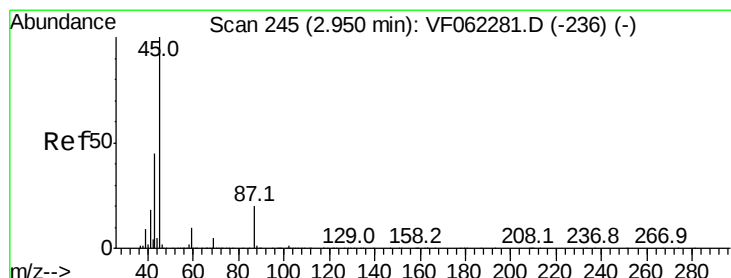
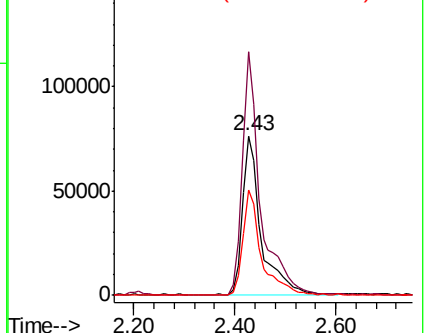
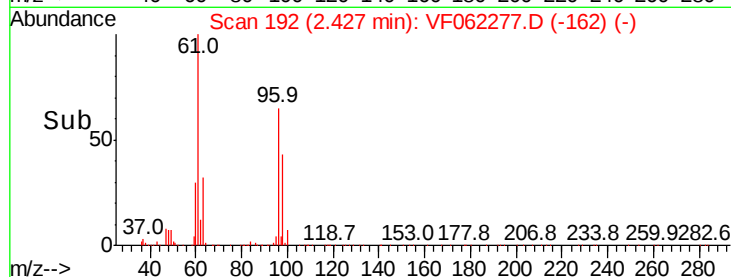
98 65.6 51.4 77.0



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

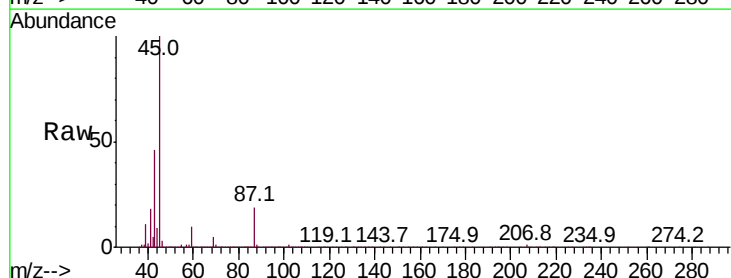
Ion Ratio Lower Upper

45 100

43 45.5 36.2 54.2

87 19.5 15.8 23.6

59 9.6 7.8 11.8

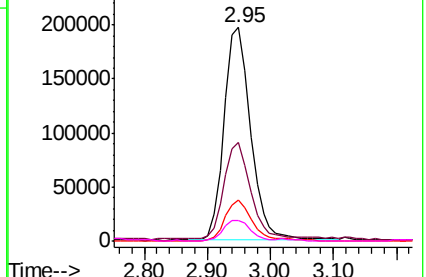
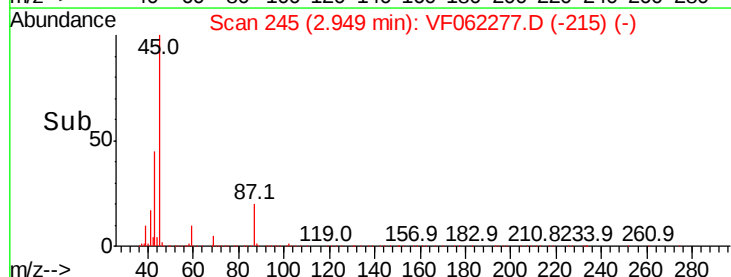


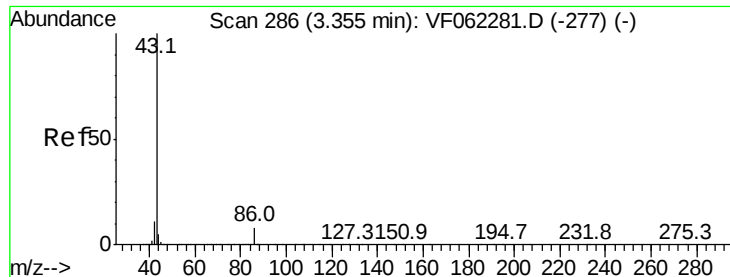
Abundance Ion 45.00 (44.70 to 45.70): VF0

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

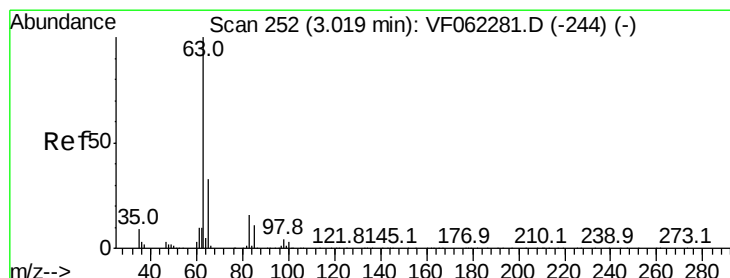
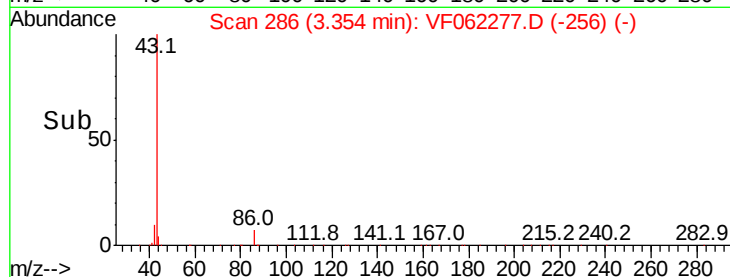
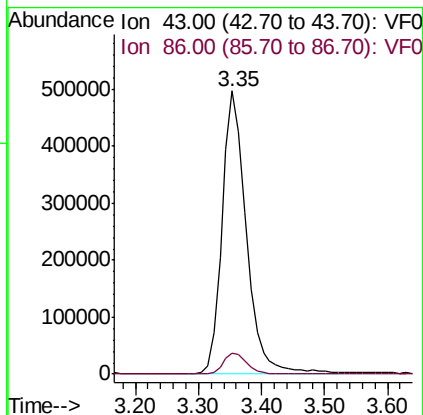
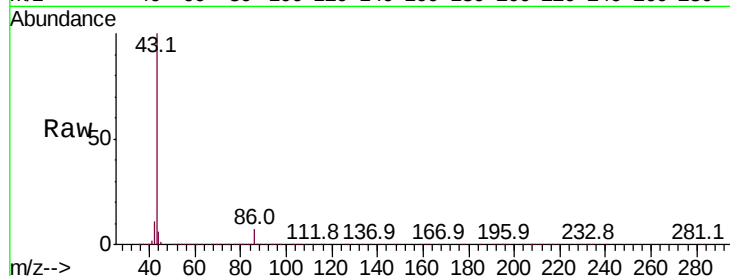
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

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

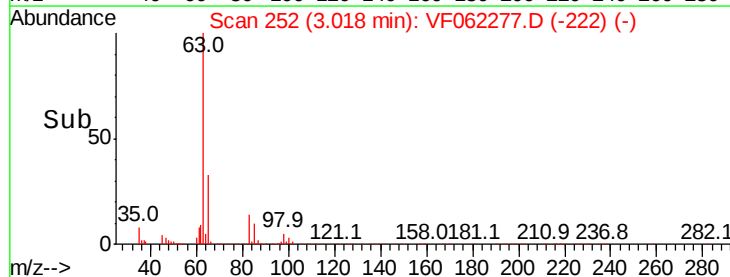
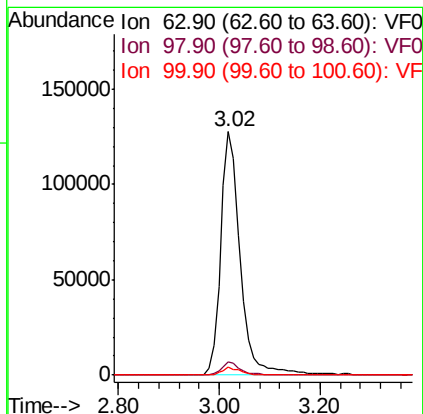
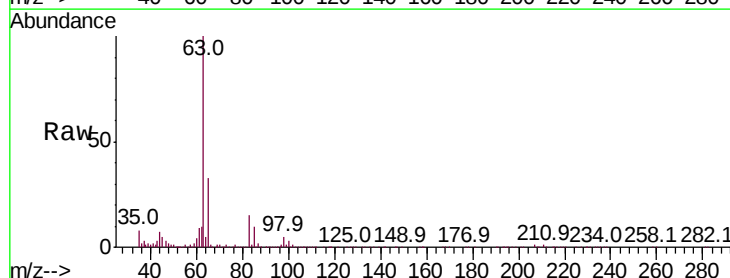
Tgt Ion: 63 Resp: 343150

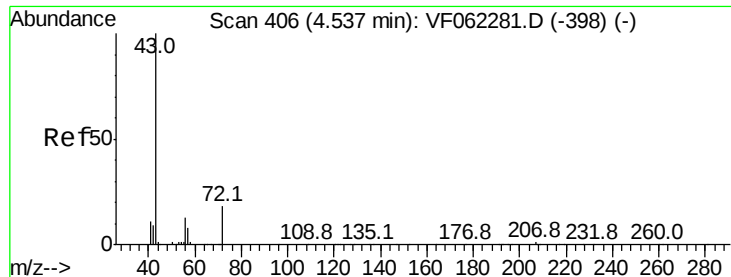
Ion Ratio Lower Upper

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 :

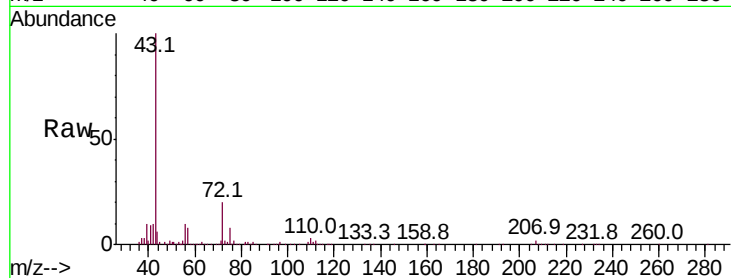
VSTDCCC050

Tot Ion: 43 Resp: 356309

Ion Ratio Lower Upper

43 100

72 19.7 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

4.54

100000

80000

60000

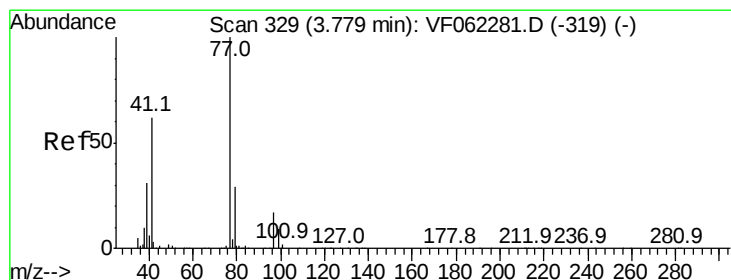
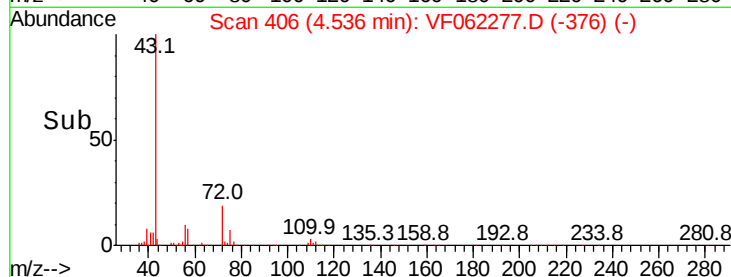
40000

20000

0

4.40 4.50 4.60 4.70

Time-->



#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

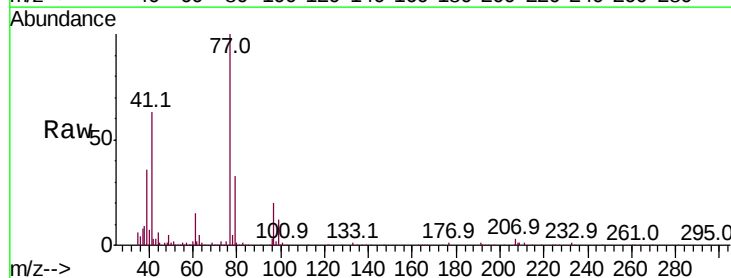
Acq: 24 Apr 2019 12:45

Tgt Ion: 77 Resp: 183973

Ion Ratio Lower Upper

77 100

97 19.8 10.3 30.8



Abundance Ion 76.90 (76.60 to 77.60): VF0

Ion 96.90 (96.60 to 97.60): VF0

3.79

60000

50000

40000

30000

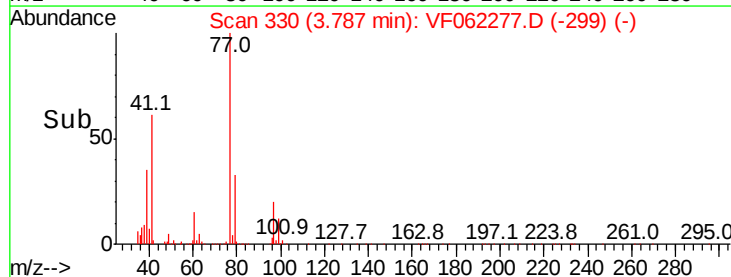
20000

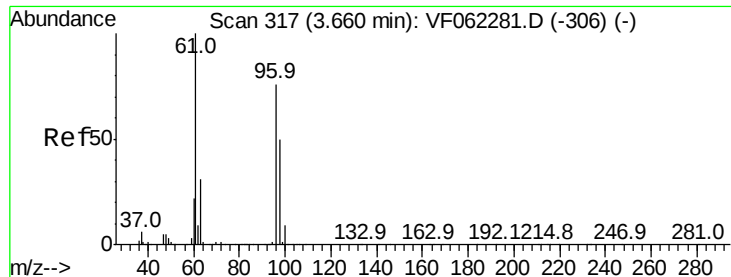
10000

0

3.60 3.80 4.00

Time-->



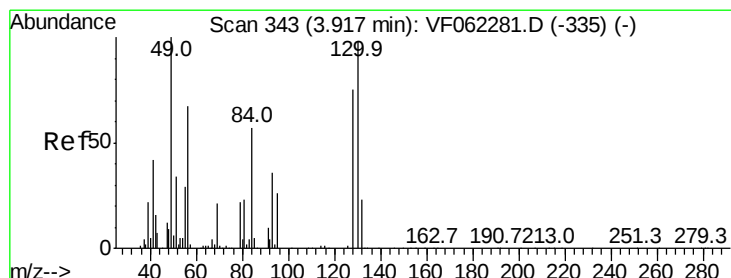
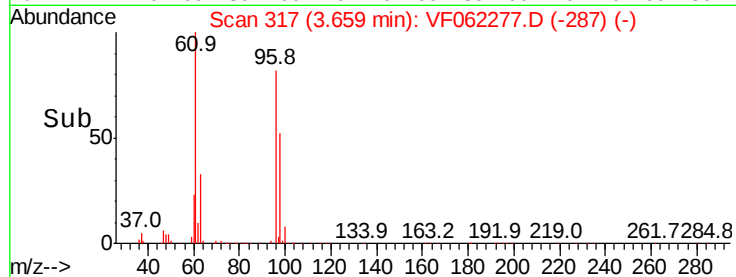
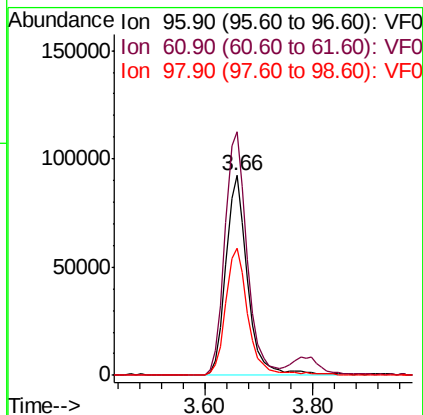
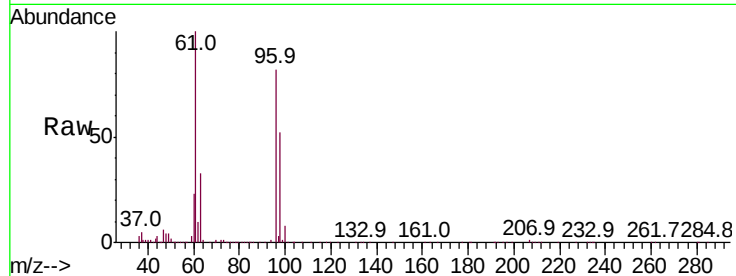


#27

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

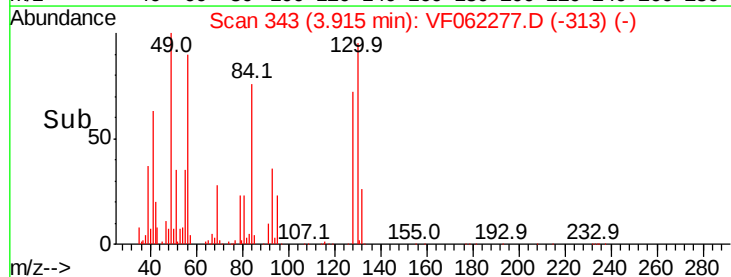
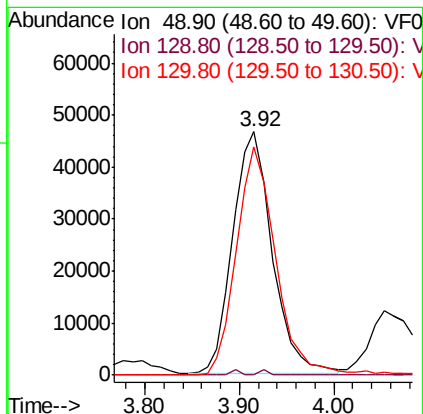
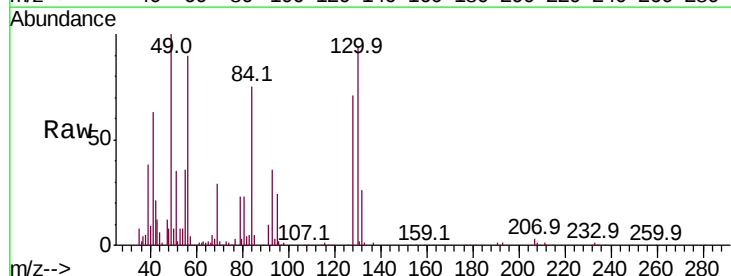
Tot Ion	Ratio	Lower	Upper
96	100		
61	125.4	0.0	257.6
98	65.2	0.0	137.4

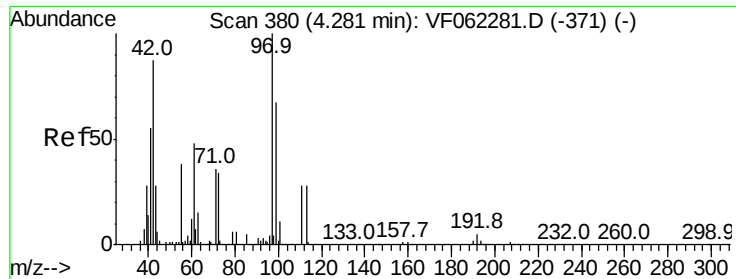


#28

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	Ratio	Lower	Upper
49	100		
129	0.5	0.0	0.0#
130	95.0	77.0	115.4

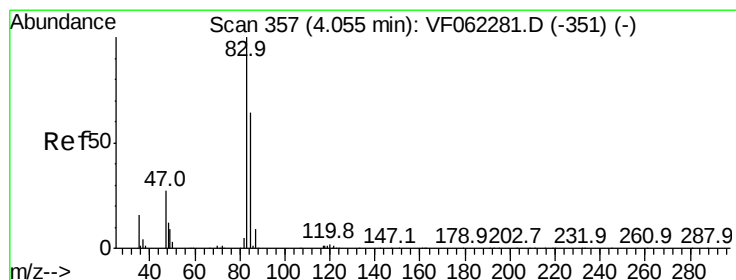
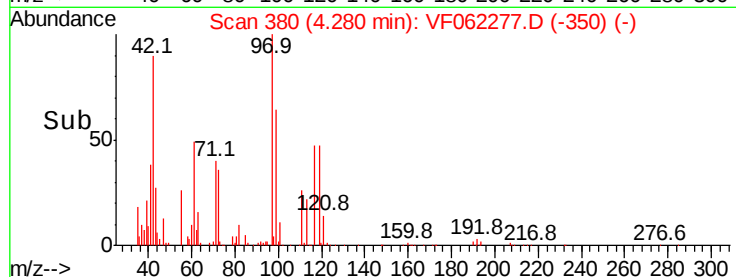
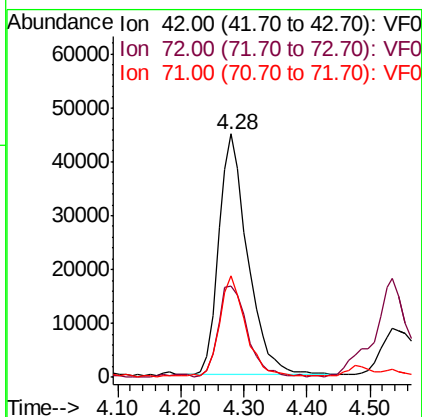
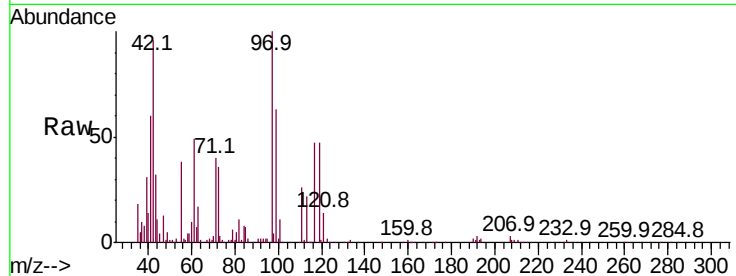




#29
Tetrahydrofuran
Concen: 234.243 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.00 min
Lab File: VF062277.D
Acq: 24 Apr 2019 12:45

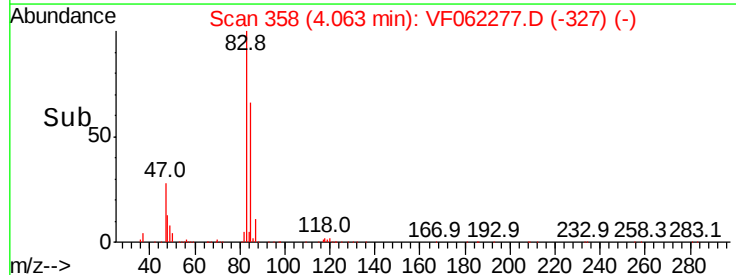
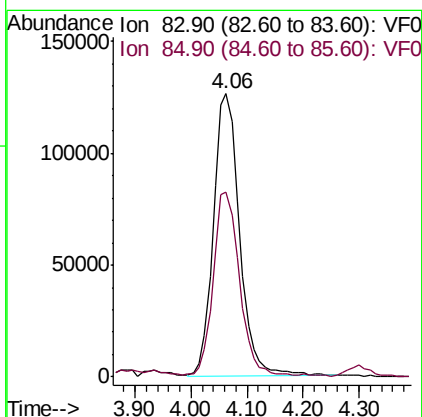
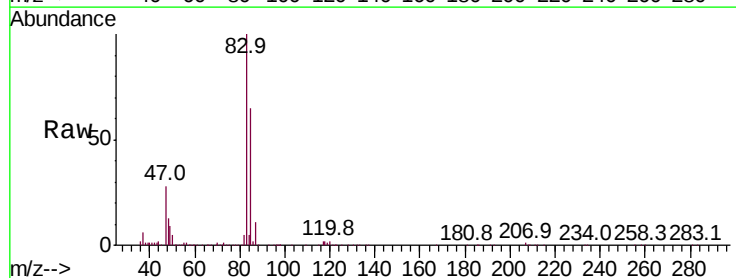
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

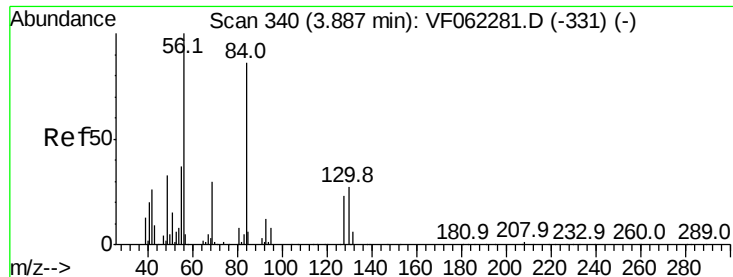
Tot Ion	Ratio	Lower	Upper
42	100		
72	37.4	29.3	43.9
71	40.0	31.2	46.8



#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

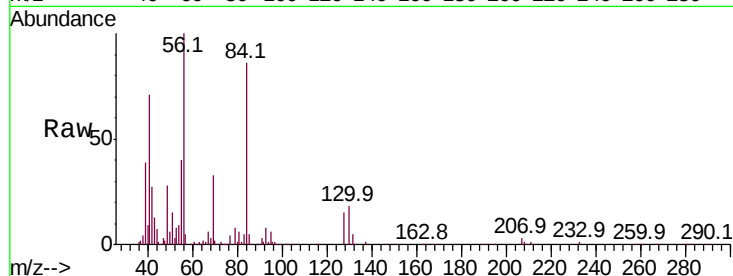
Tot Ion: 56 Resp: 329642

Ion Ratio Lower Upper

56 100

69 32.8 24.3 36.5

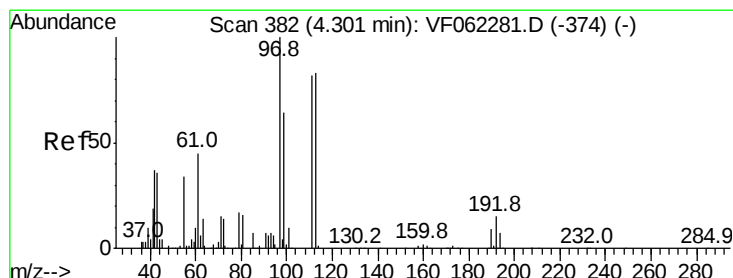
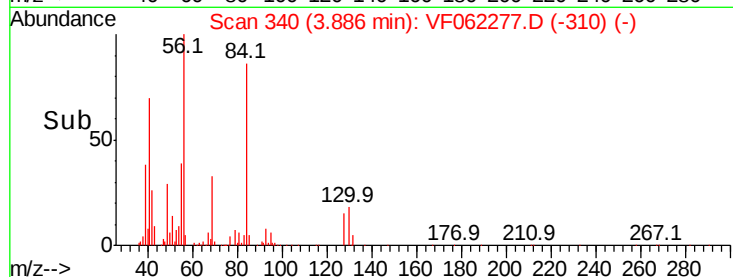
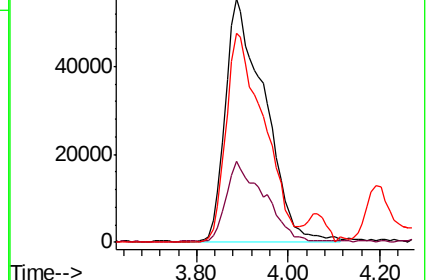
84 85.7 68.5 102.7



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 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

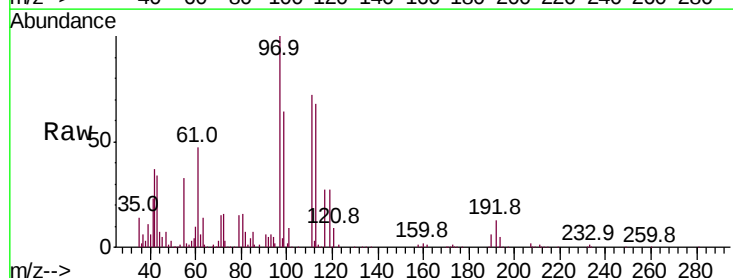
Tgt Ion: 97 Resp: 322533

Ion Ratio Lower Upper

97 100

99 51.6 41.6 62.4

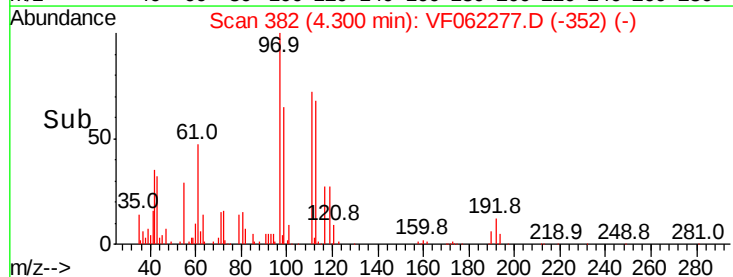
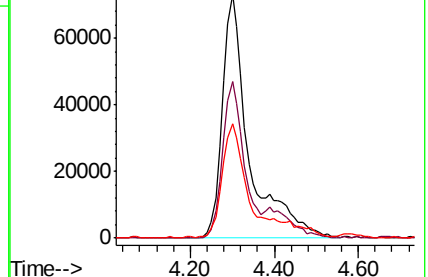
61 49.1 31.6 47.4#

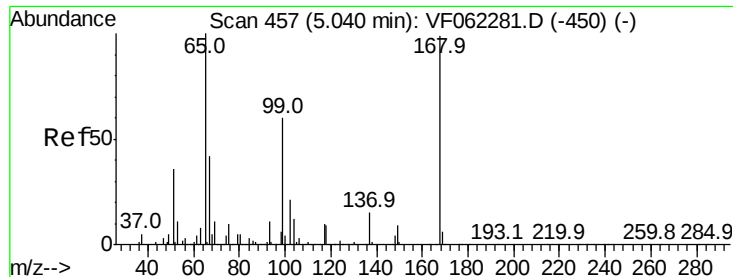


Abundance Ion 96.90 (96.60 to 97.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

Ion 60.90 (60.60 to 61.60): VF0

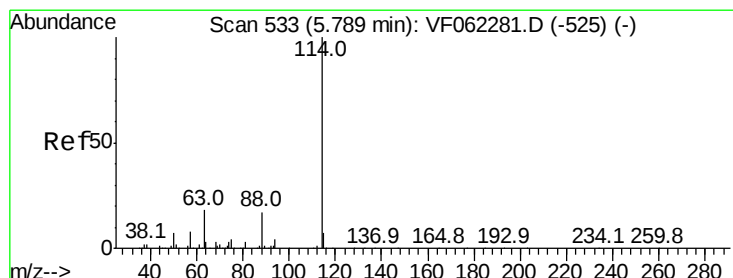
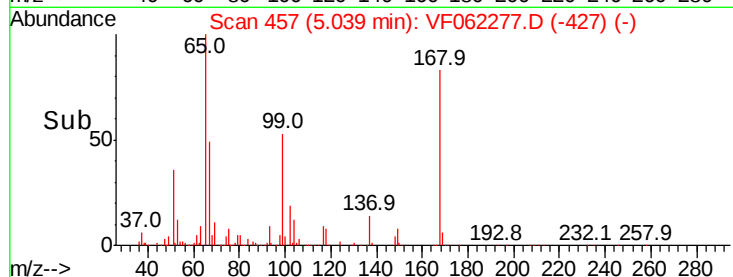
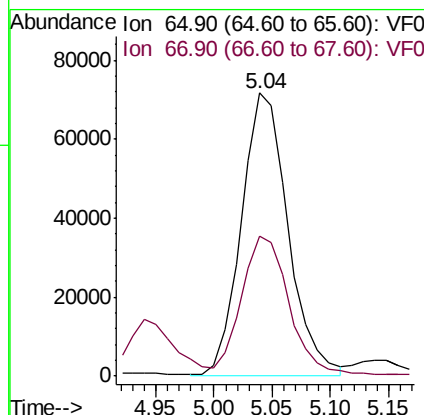
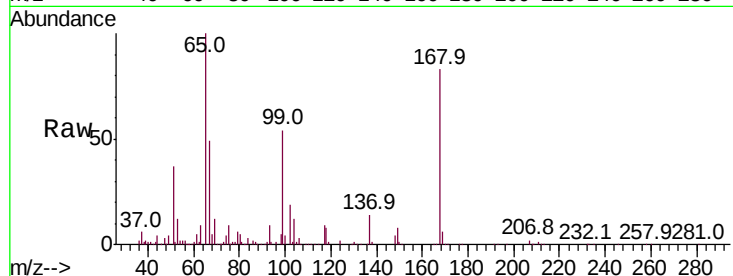




#33
 1,2-Dichloroethane-d4
 Concen: 50.189 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. -0.00 min
 Lab File: VF062277.D
 Acq: 24 Apr 2019 12:45

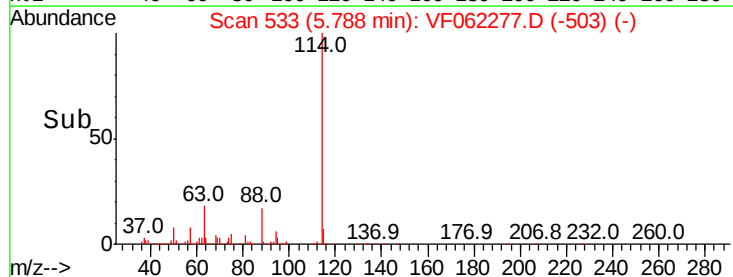
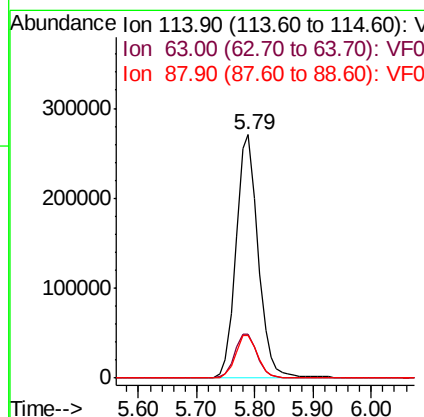
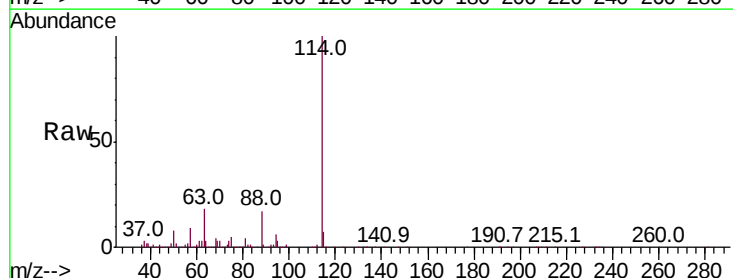
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

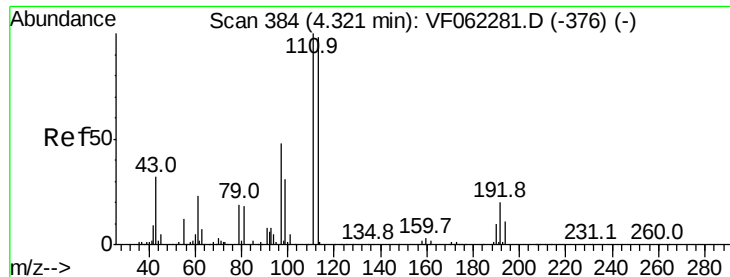
Tot Ion: 65 Resp: 198323
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 98.8



#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

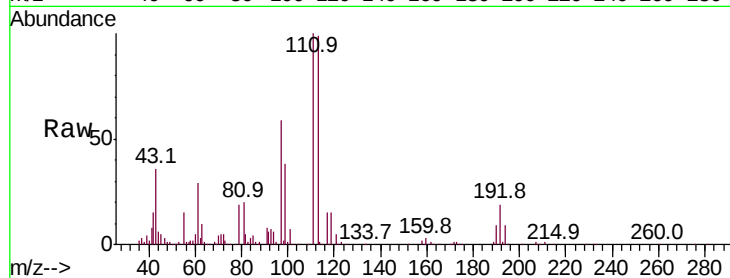
Tot Ion:113 Resp: 252331

Ion Ratio Lower Upper

113 100

111 102.0 81.4 122.2

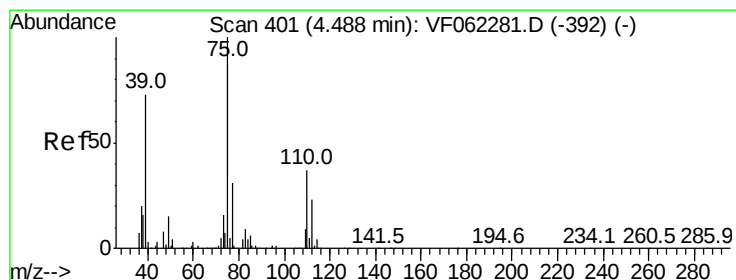
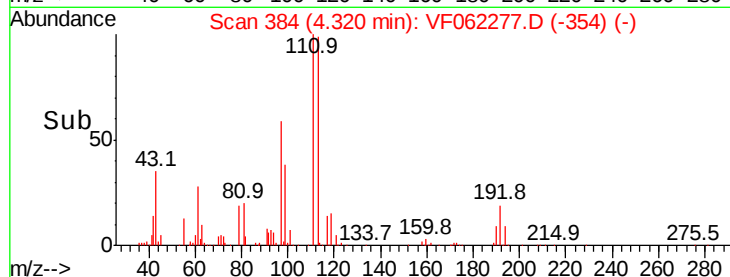
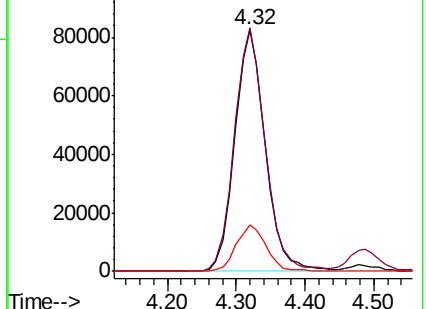
192 19.2 17.0 25.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#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

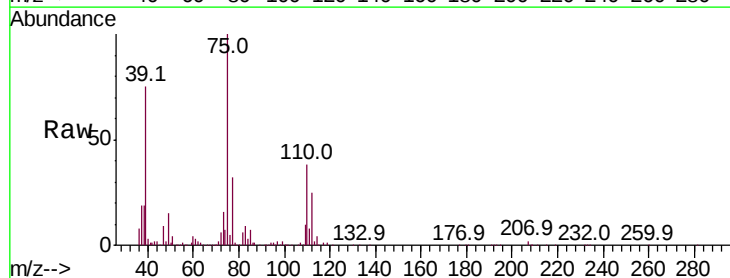
Tgt Ion: 75 Resp: 304827

Ion Ratio Lower Upper

75 100

110 36.1 17.9 53.8

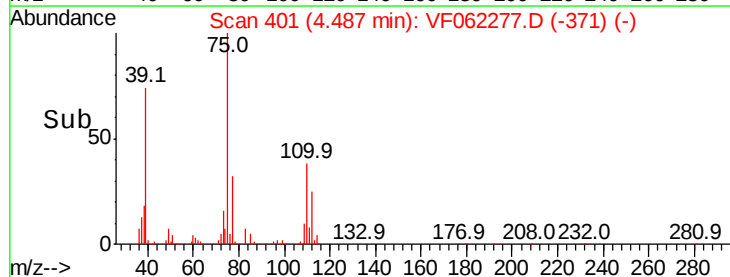
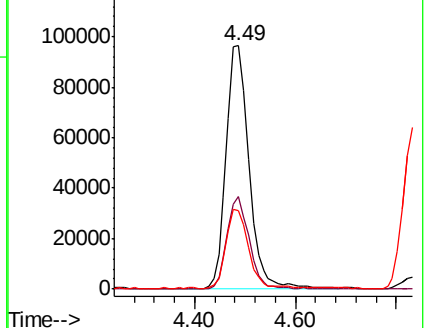
77 30.8 24.6 36.8

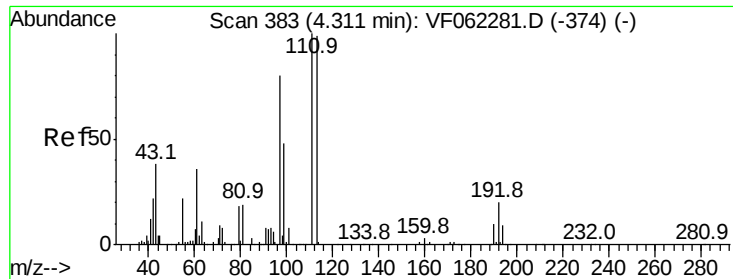


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VF0

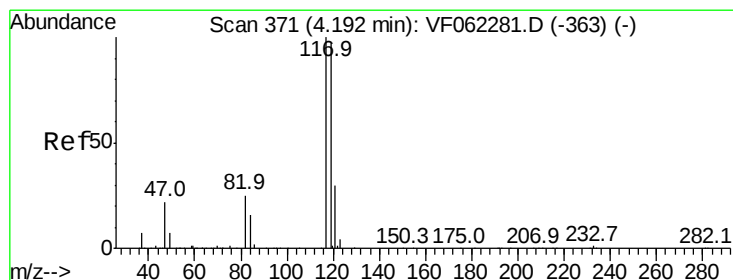
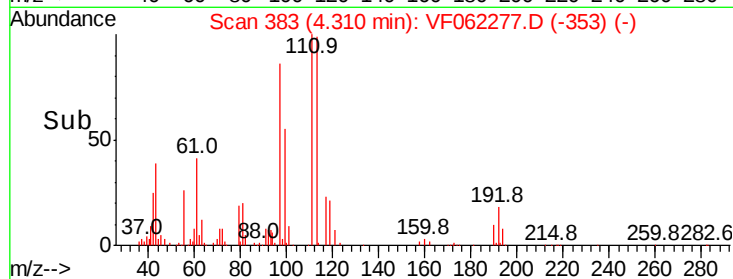
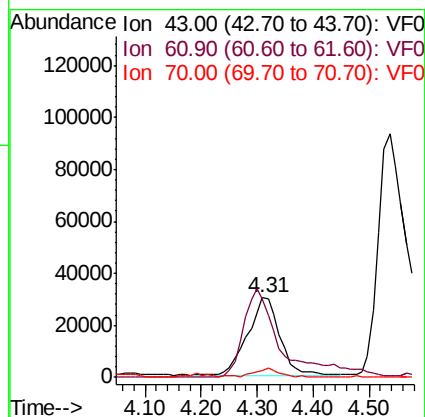
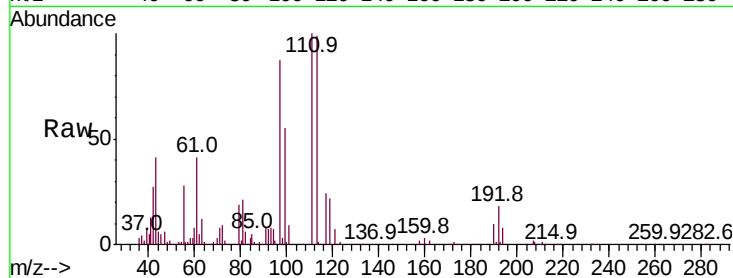




#37
Ethyl Acetate
Concen: 42.897 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.00 min
Lab File: VF062277.D
Acq: 24 Apr 2019 12:45

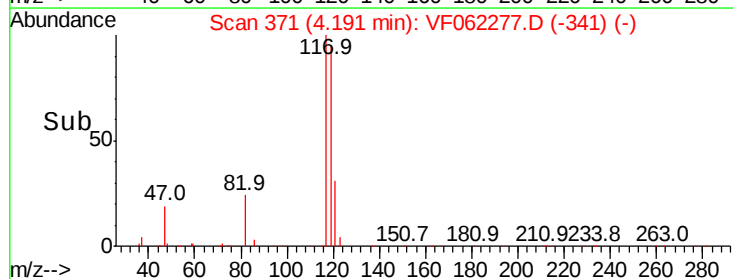
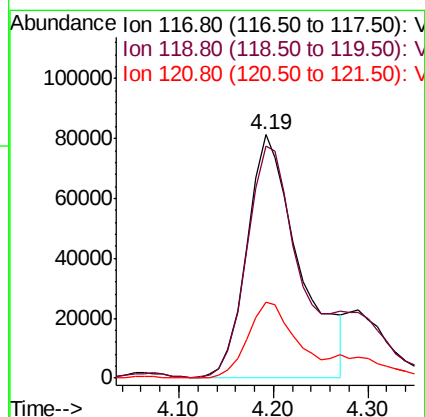
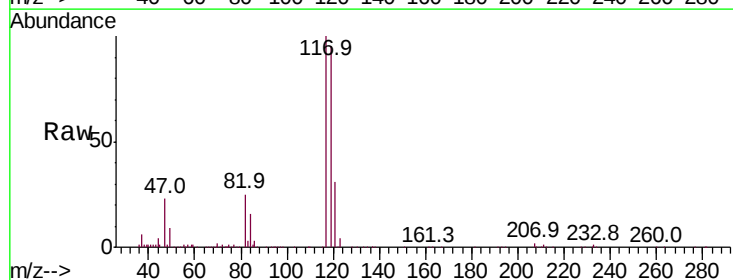
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

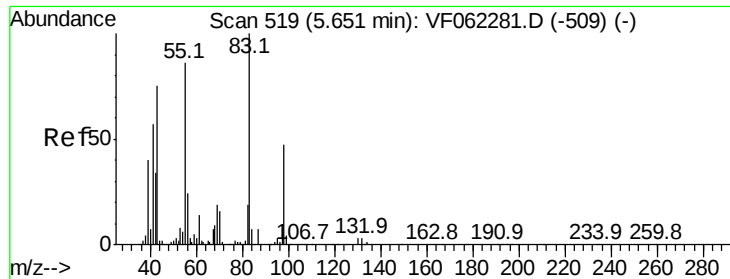
Tot Ion: 43 Resp: 119614
Ion Ratio Lower Upper
43 100
61 132.3 85.8 128.6#
70 9.0 7.3 10.9



#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

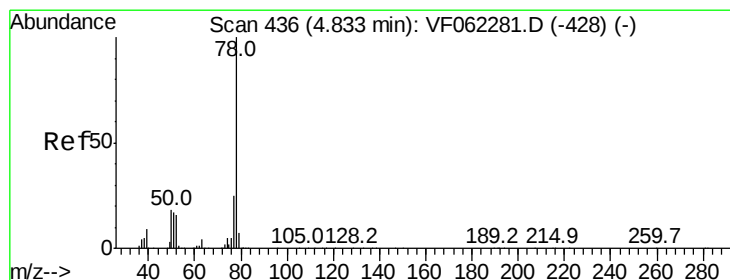
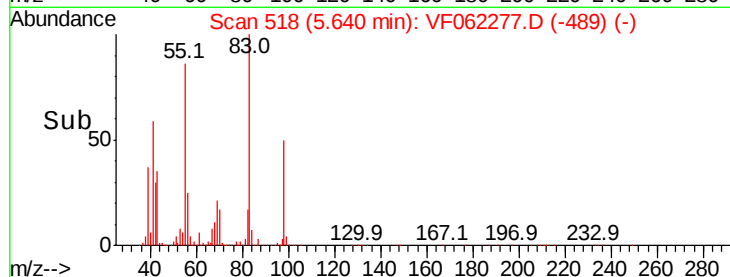
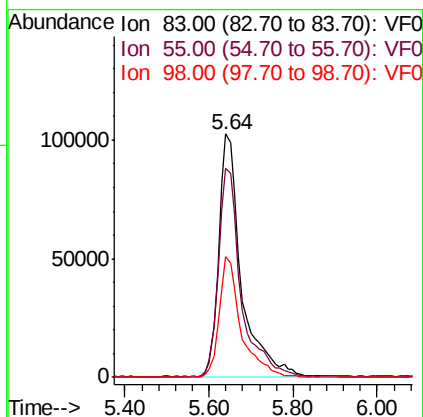
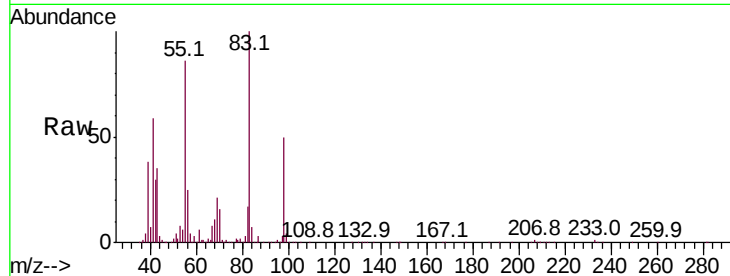




#39
Methvlcvclohexane
Concen: 48.159 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.01 min
Lab File: VF062277.D
Acq: 24 Apr 2019 12:45

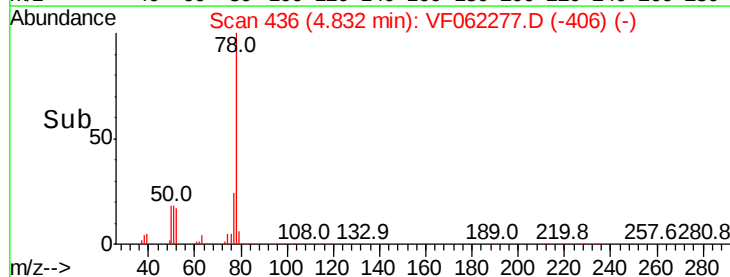
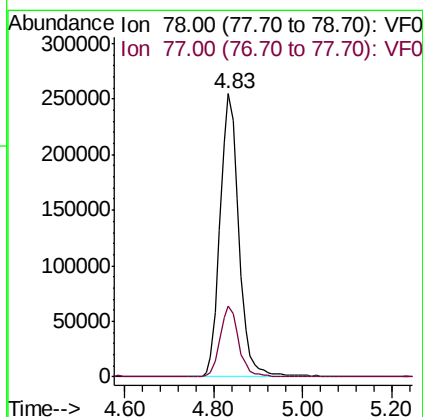
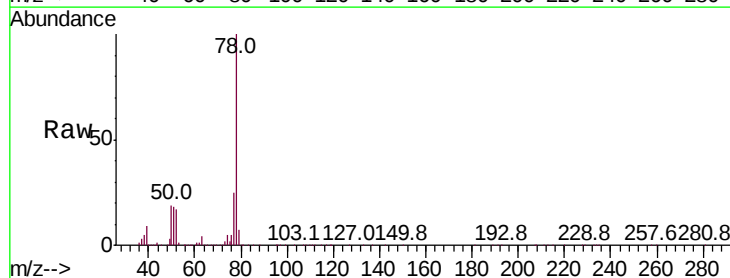
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

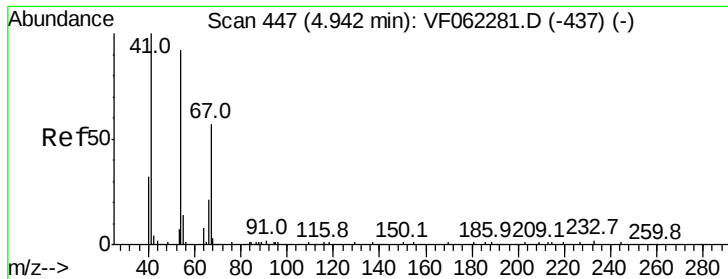
Tot Ion: 83 Resp: 385408
Ion Ratio Lower Upper
83 100
55 85.4 68.7 103.1
98 49.6 37.4 56.2



#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

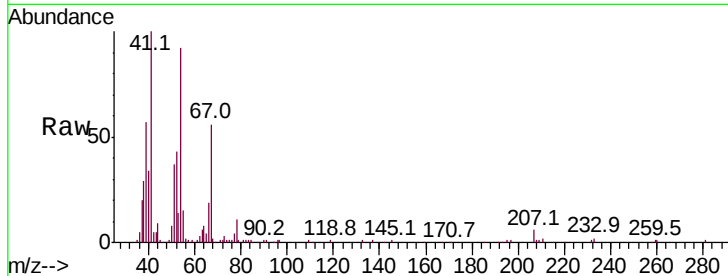
Ion Ratio Lower Upper

41 100

39 65.5 47.3 70.9

67 58.0 41.3 61.9

52 71.2 49.4 74.2

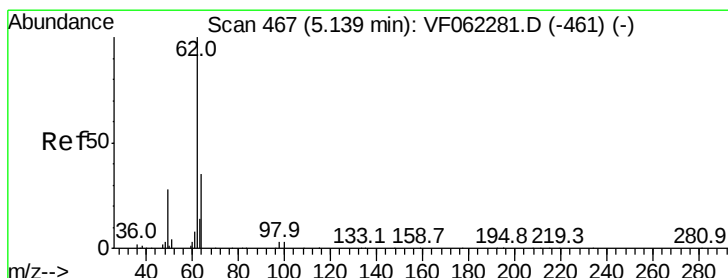
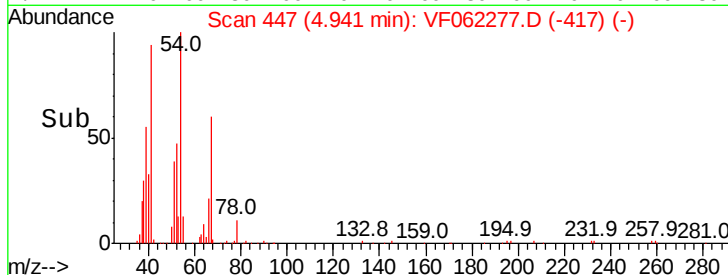
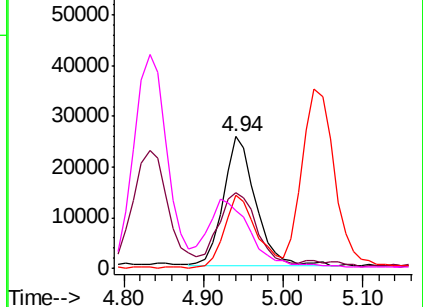


Abundance Ion 41.00 (40.70 to 41.70): VF0

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

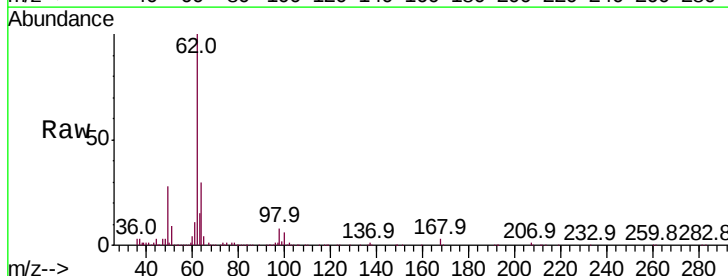
Acq: 24 Apr 2019 12:45

Tgt Ion: 62 Resp: 242153

Ion Ratio Lower Upper

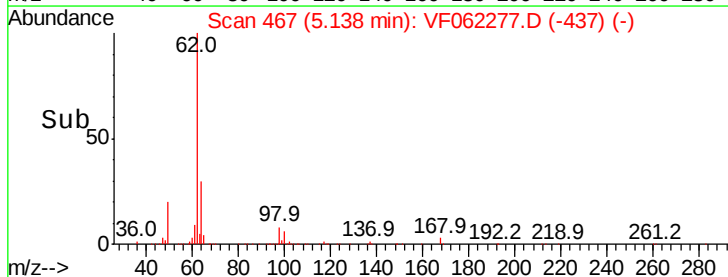
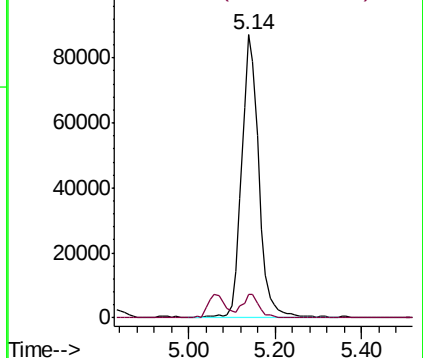
62 100

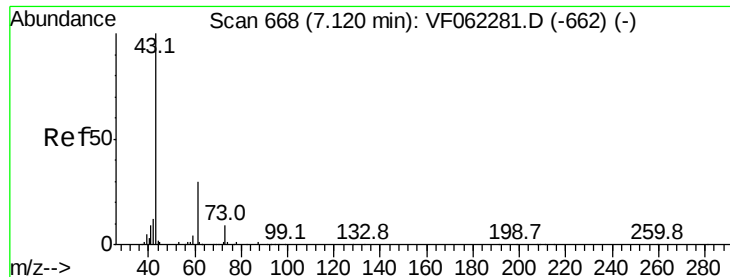
98 7.9 0.0 16.8



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

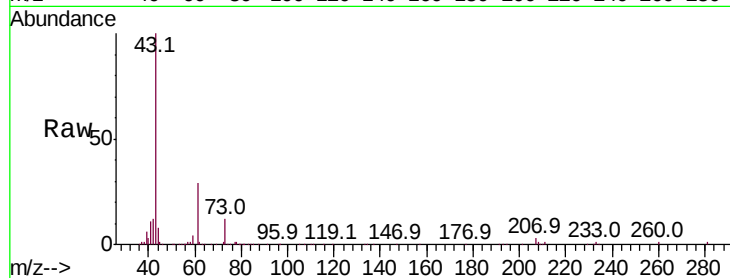
Tot Ion: 43 Resp: 127553

Ion Ratio Lower Upper

43 100

61 30.2 23.8 35.6

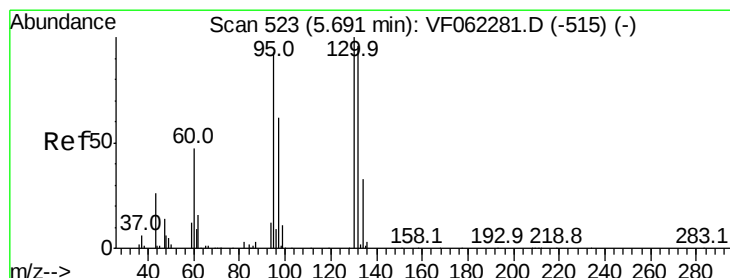
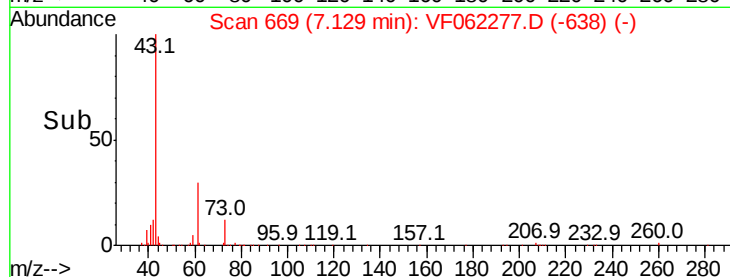
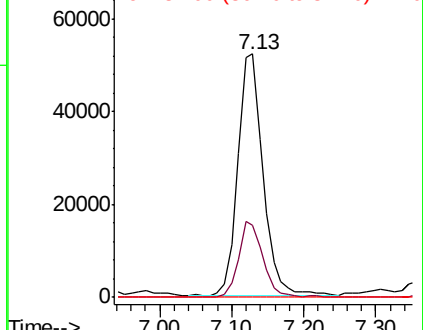
87 0.4 0.5 0.7#



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

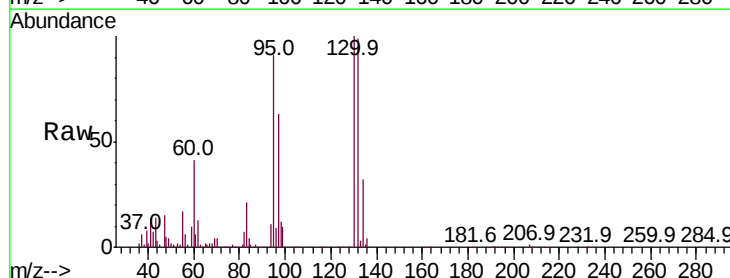
Acq: 24 Apr 2019 12:45

Tgt Ion:130 Resp: 245746

Ion Ratio Lower Upper

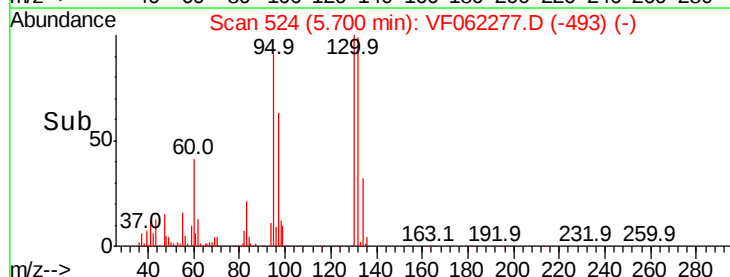
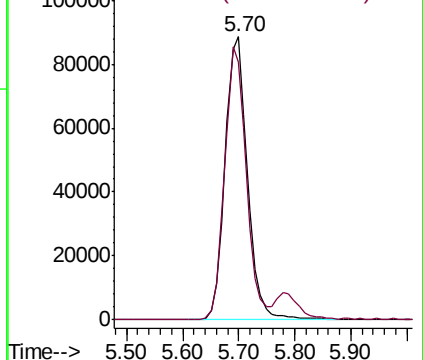
130 100

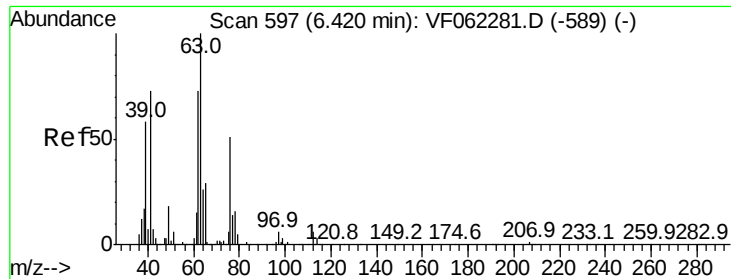
95 90.8 0.0 186.4



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 :

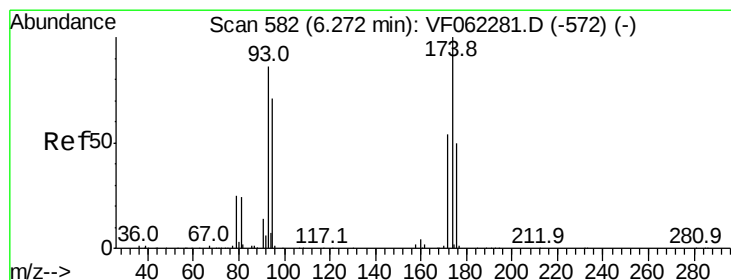
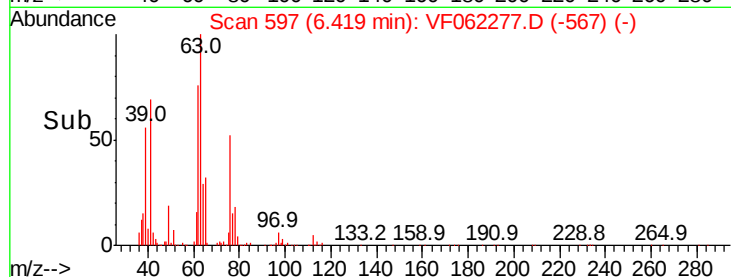
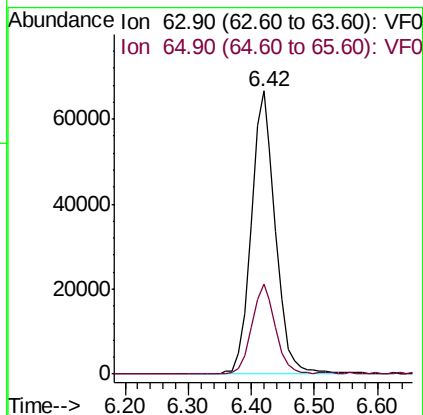
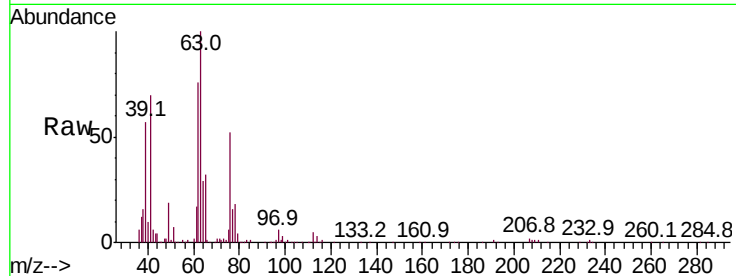
VSTDCCC050

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

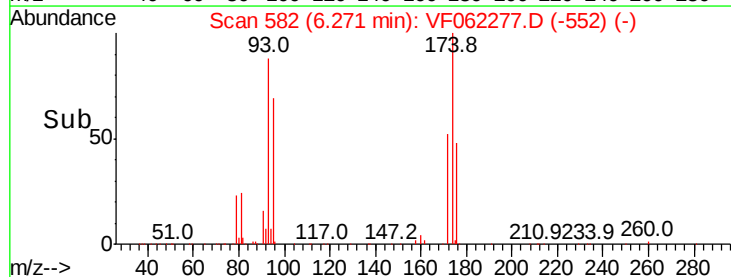
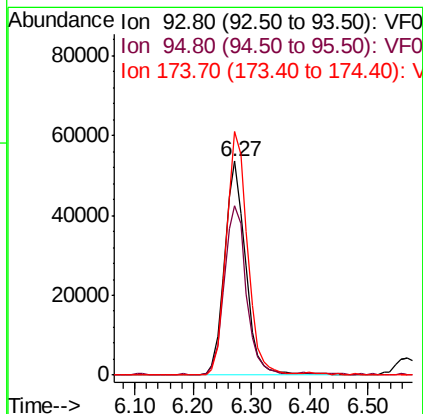
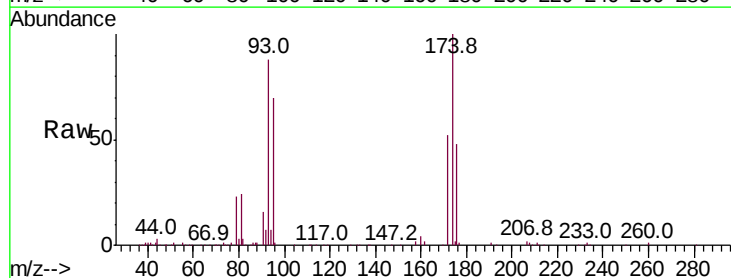
Tgt Ion: 93 Resp: 134917

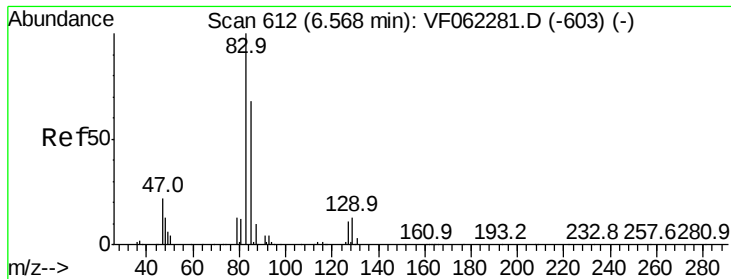
Ion Ratio Lower Upper

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

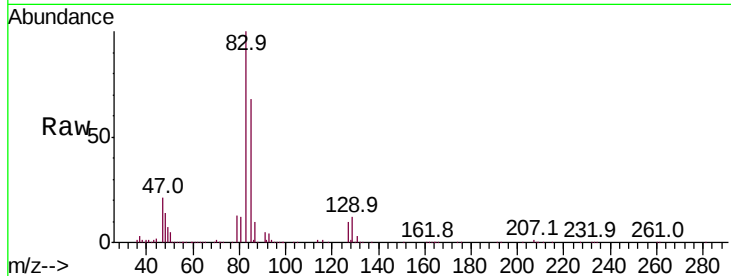
Tot Ion: 83 Resp: 299358

Ion Ratio Lower Upper

83 100

85 67.5 54.6 81.8

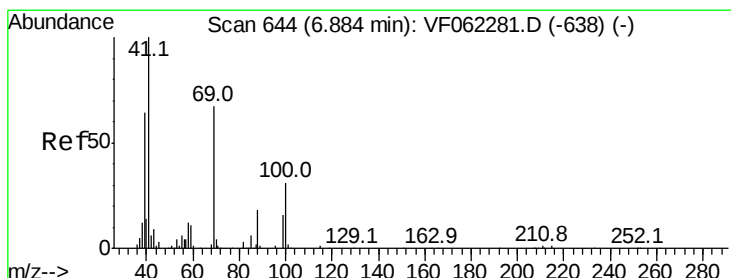
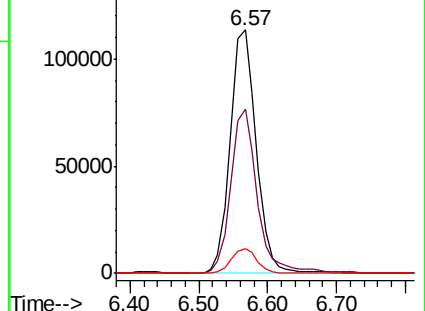
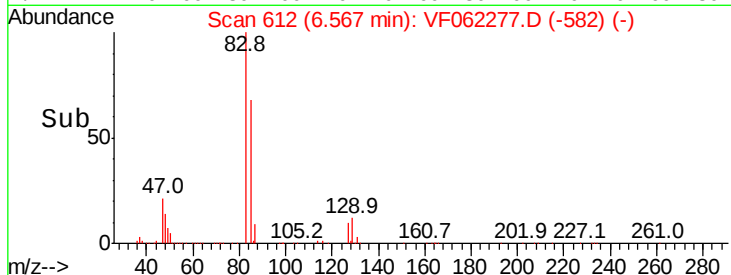
127 10.2 8.7 13.1



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

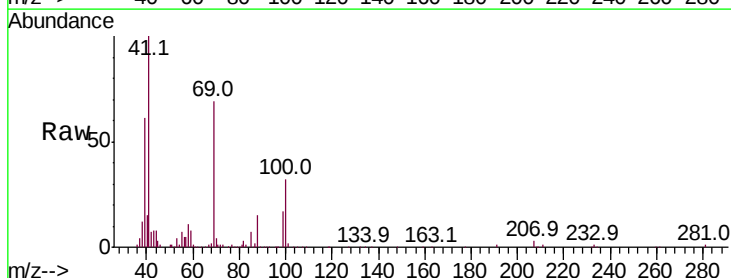
Tgt Ion: 41 Resp: 94362

Ion Ratio Lower Upper

41 100

69 67.3 53.4 80.2

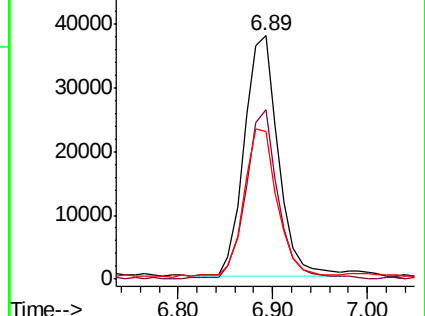
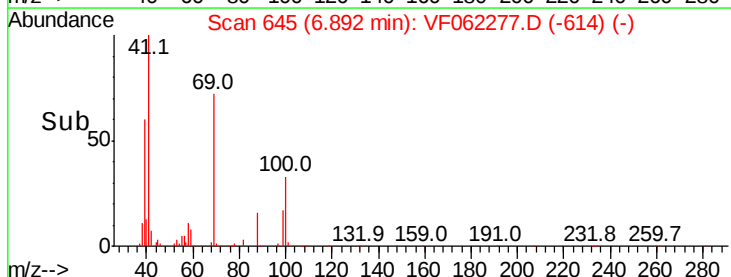
39 60.5 50.9 76.3

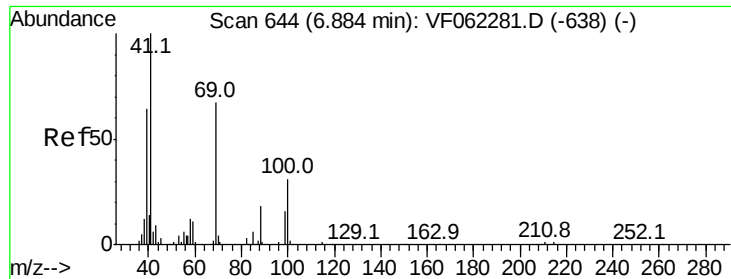


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

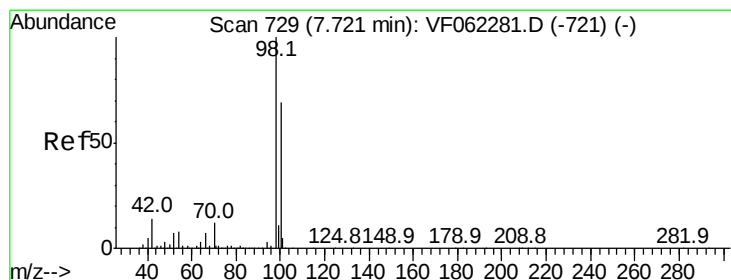
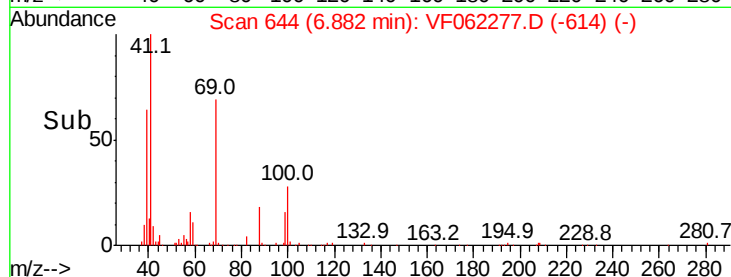
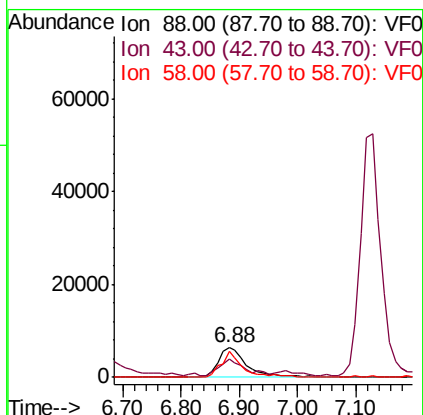
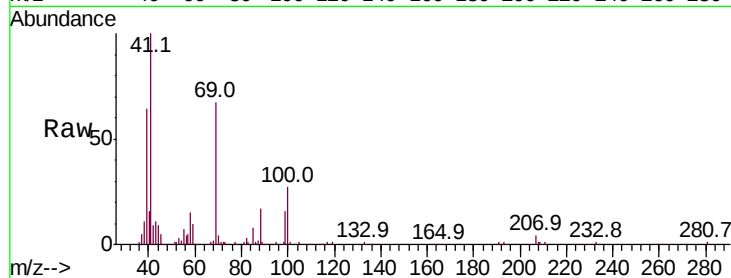




#49
1,4-Dioxane
Concen: 946.272 ug/l
RT: 6.88 min Scan# 644
Delta R.T. -0.00 min
Lab File: VF062277.D
Acq: 24 Apr 2019 12:45

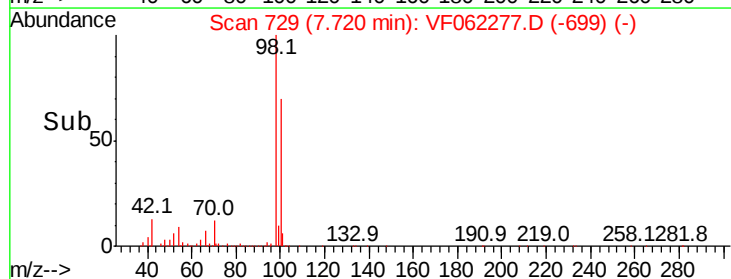
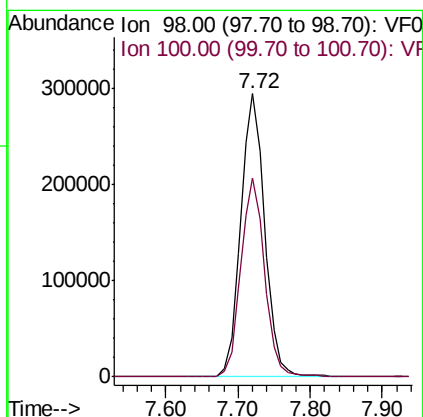
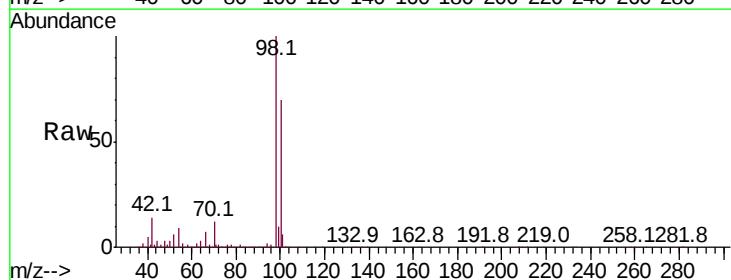
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

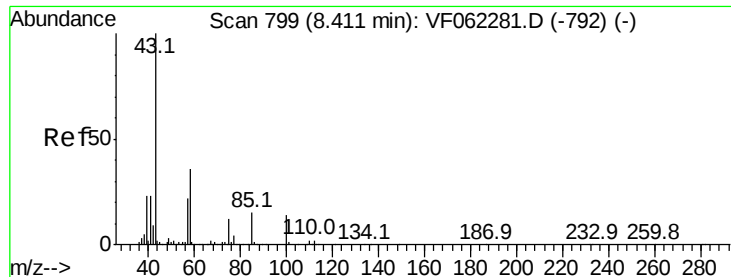
Tot Ion: 88 Resp: 21855
Ion Ratio Lower Upper
88 100
43 45.0 34.2 51.4
58 61.1 50.7 76.1



#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 :

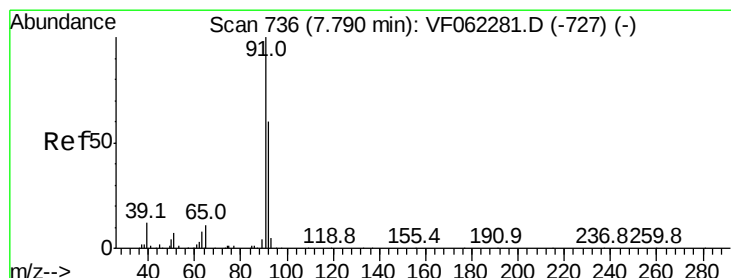
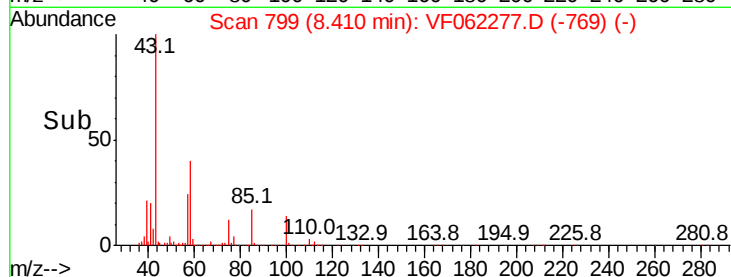
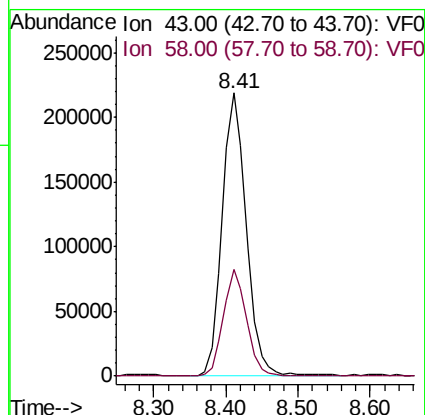
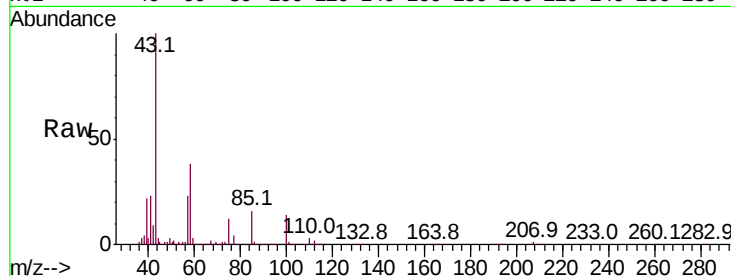
VSTDCCC050

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

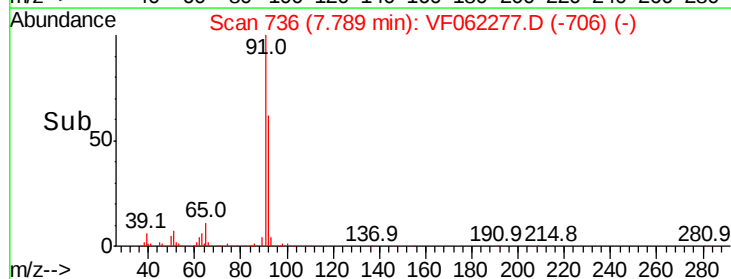
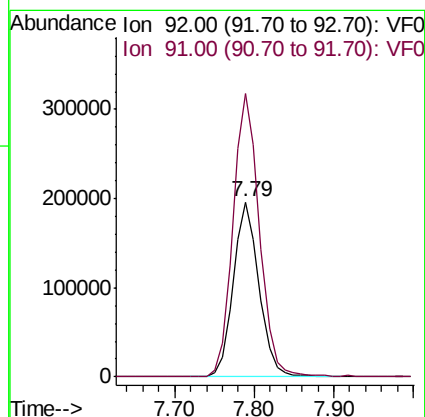
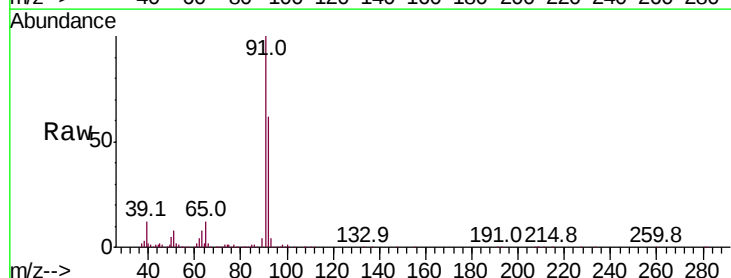
Acq: 24 Apr 2019 12:45

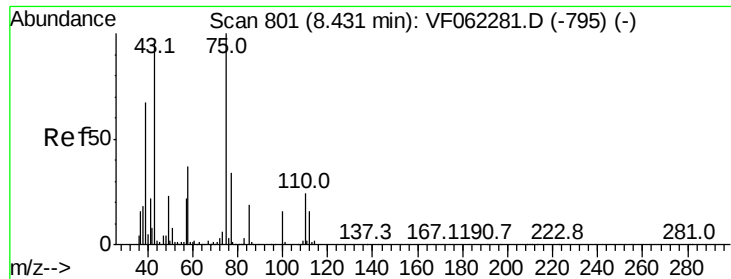
Tgt Ion: 92 Resp: 442490

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 :

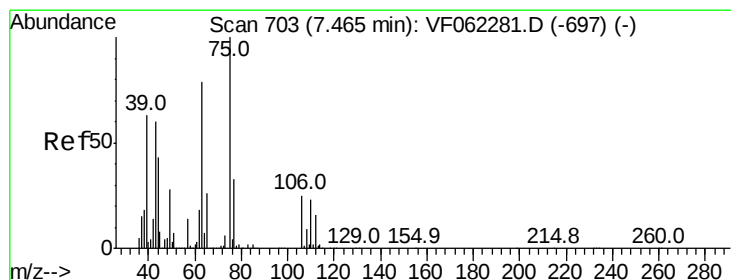
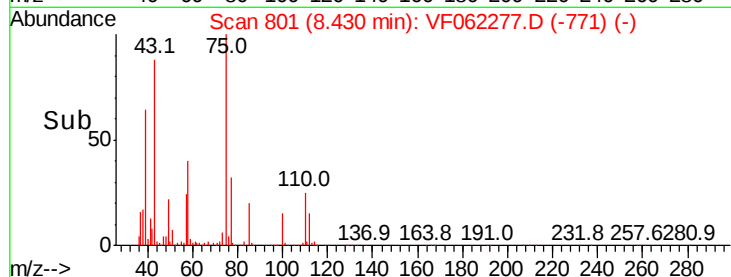
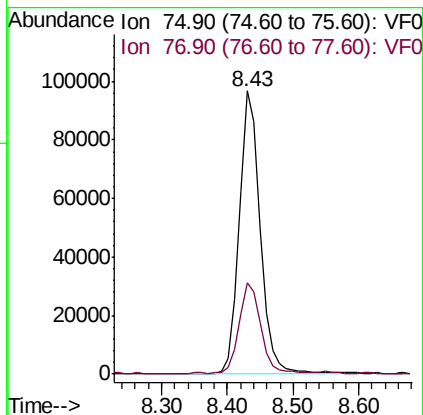
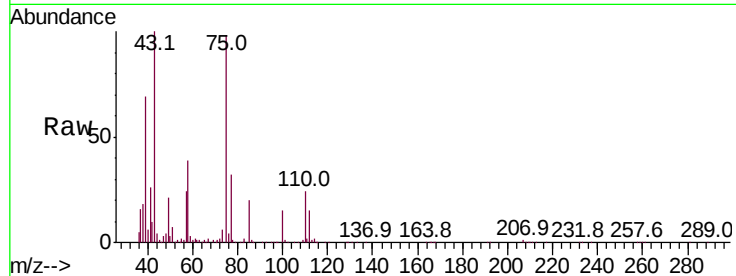
VSTDCCC050

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

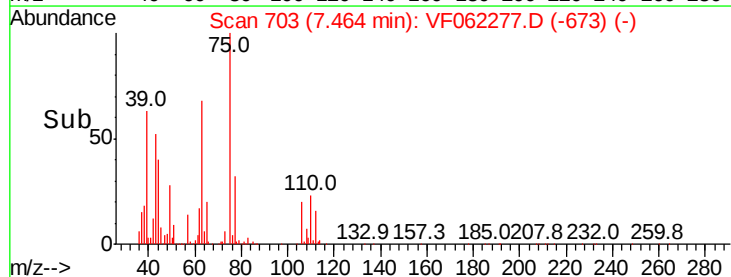
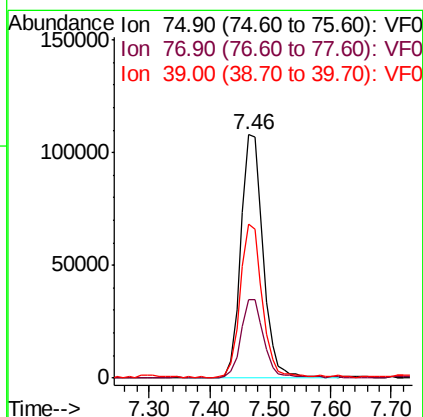
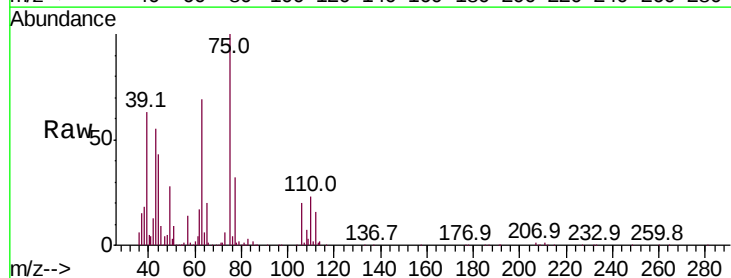
Tgt Ion: 75 Resp: 276412

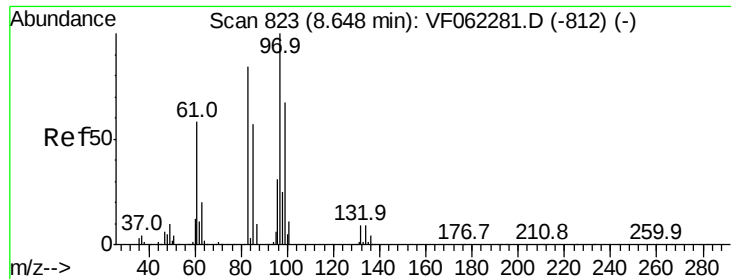
Ion Ratio Lower Upper

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

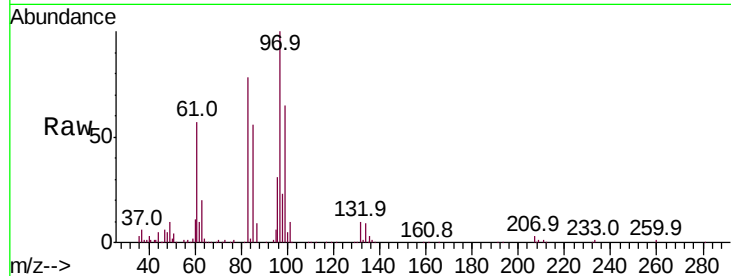
Ion Ratio Lower Upper

97 100

83 78.2 67.5 101.3

85 56.0 45.3 67.9

99 65.3 53.4 80.0

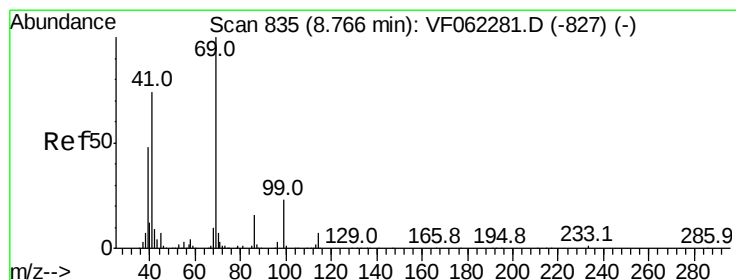
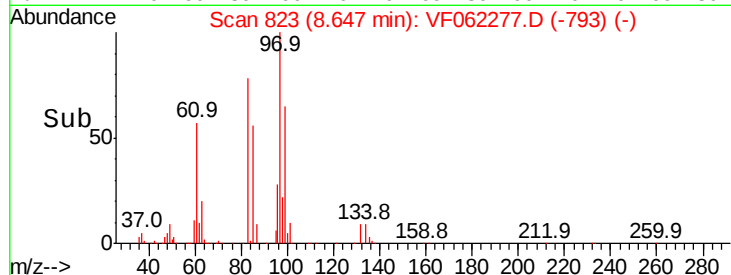
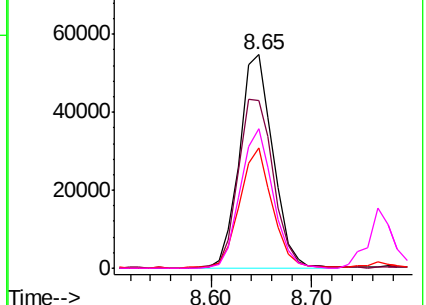


Abundance Ion 96.90 (96.60 to 97.60): VF0

Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 98.90 (98.60 to 99.60): VF0



#56

Ethyl methacrylate

Concen: 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

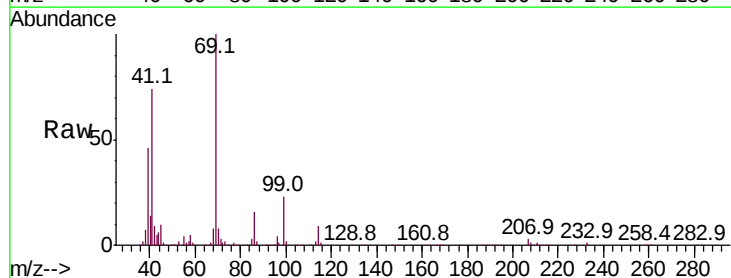
Tgt Ion: 69 Resp: 112333

Ion Ratio Lower Upper

69 100

41 79.9 61.5 92.3

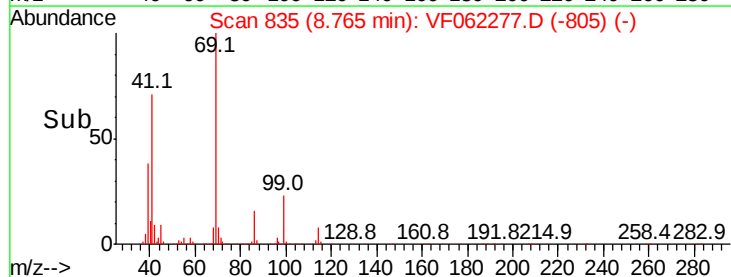
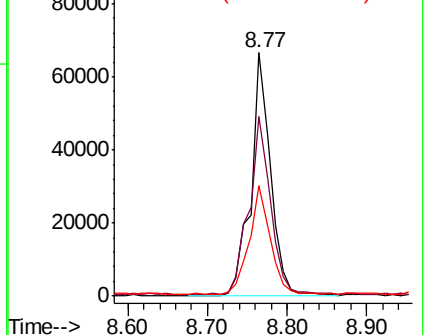
39 48.3 37.9 56.9

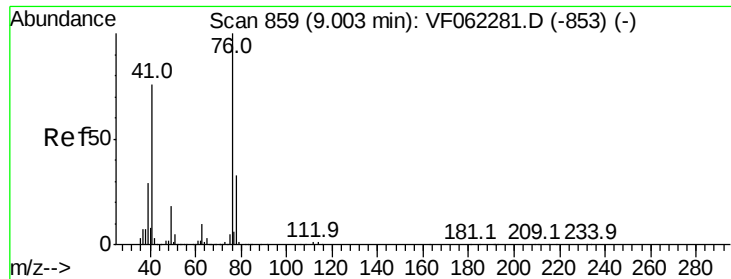


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 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 :

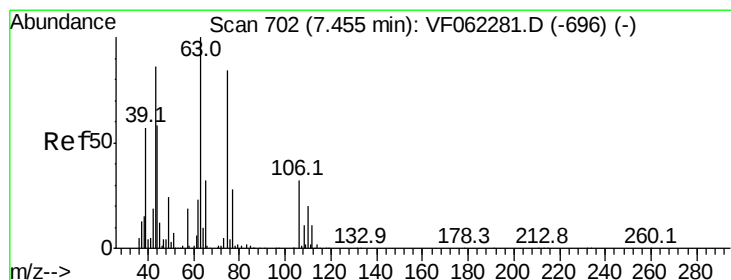
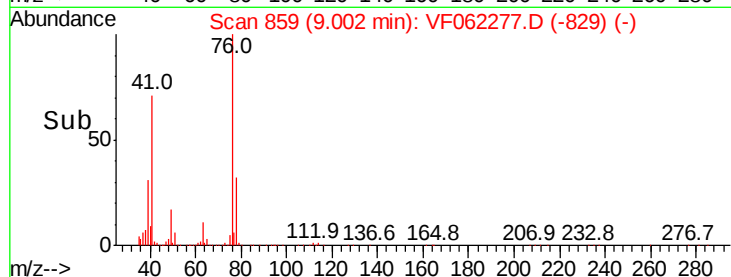
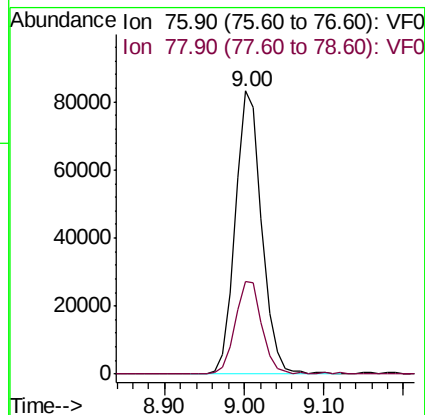
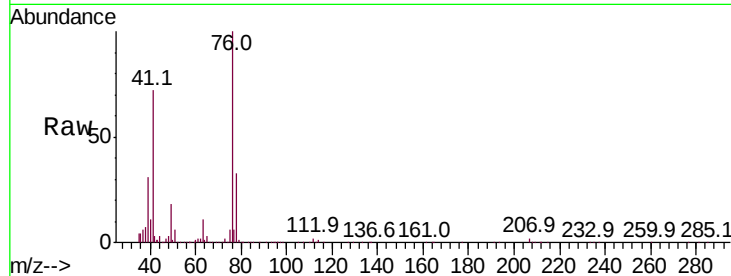
VSTDCCC050

Tot Ion: 76 Resp: 191790

Ion Ratio Lower Upper

76 100

78 33.6 27.0 40.6



#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

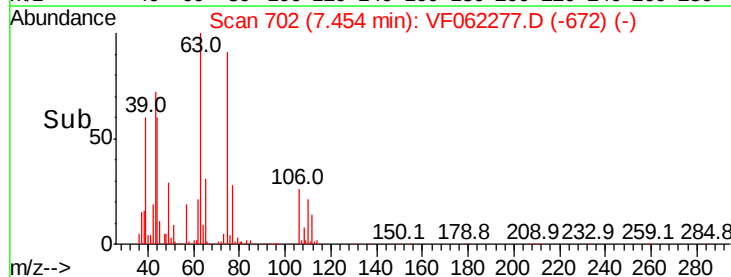
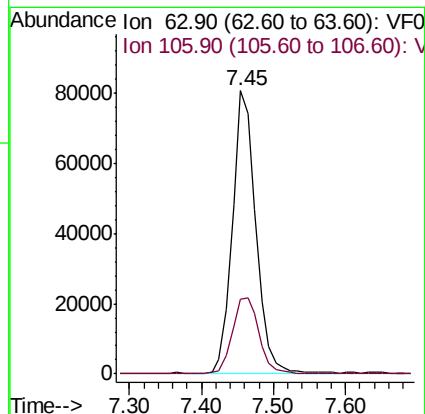
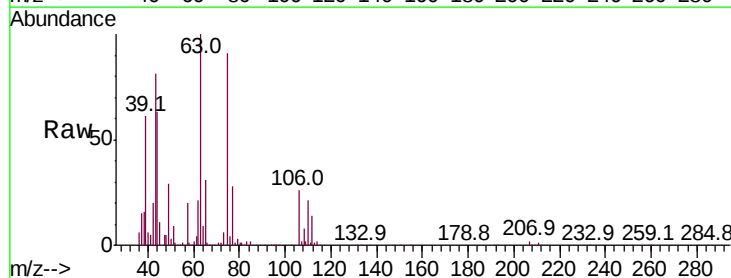
Acq: 24 Apr 2019 12:45

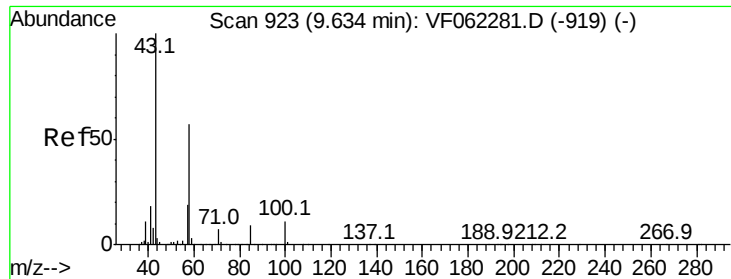
Tgt Ion: 63 Resp: 181858

Ion Ratio Lower Upper

63 100

106 30.5 24.7 37.1

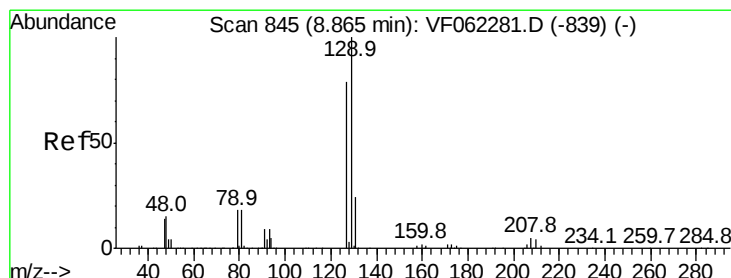
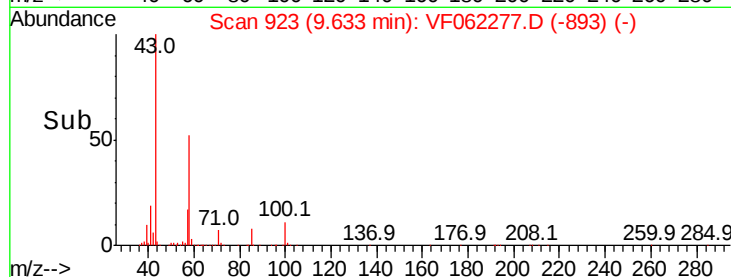
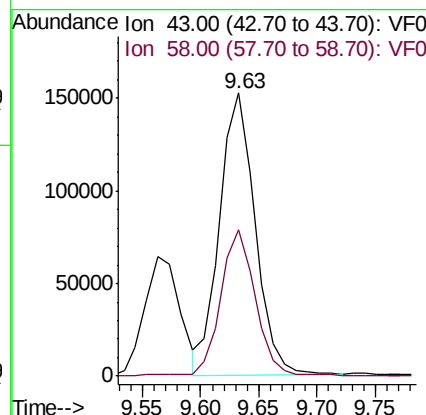
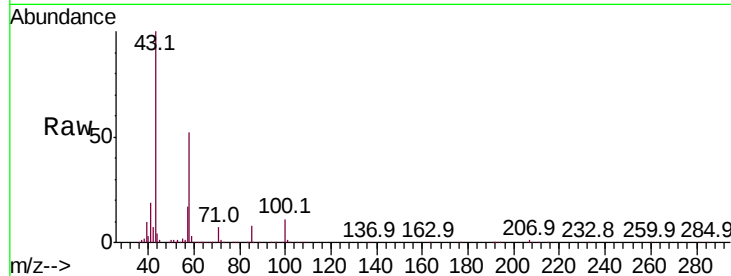




#59
2-Hexanone
Concen: 146.988 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF062277.D
Acq: 24 Apr 2019 12:45

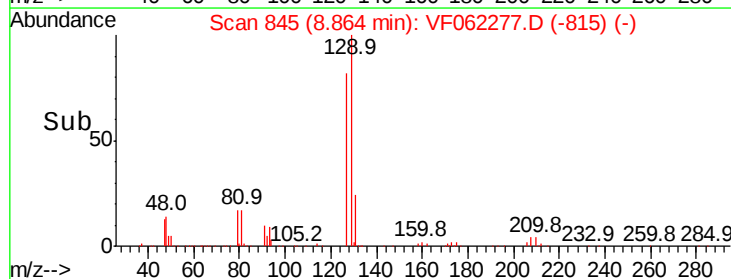
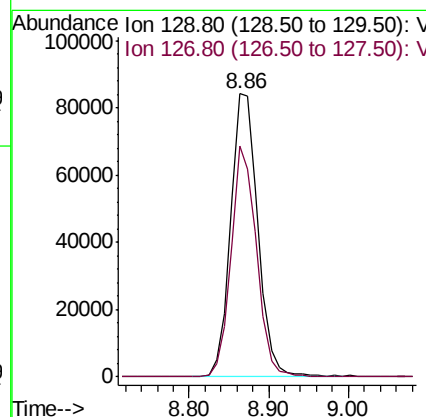
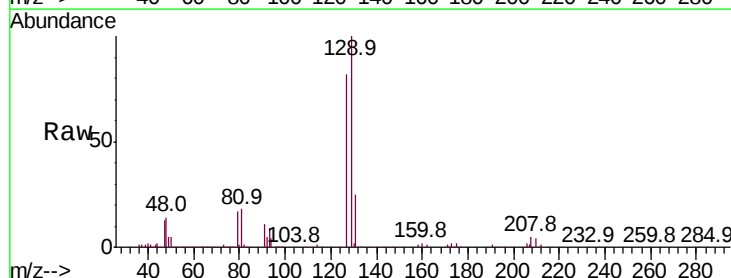
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

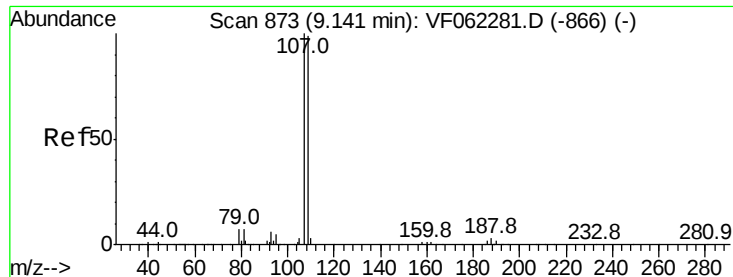
Tot Ion: 43 Resp: 322554
Ion Ratio Lower Upper
43 100
58 50.6 24.9 74.7



#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 :

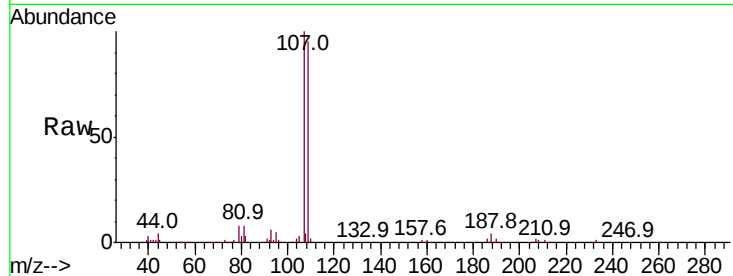
VSTDCCC050

Tot Ion:107 Resp: 140316

Ion Ratio Lower Upper

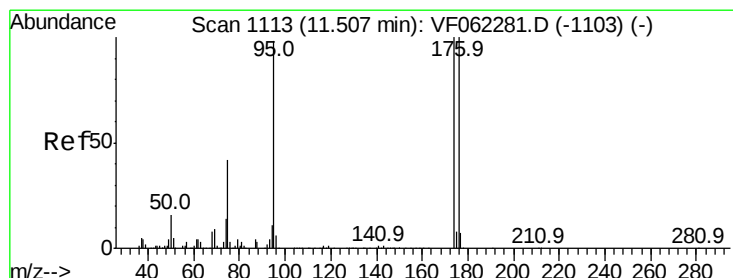
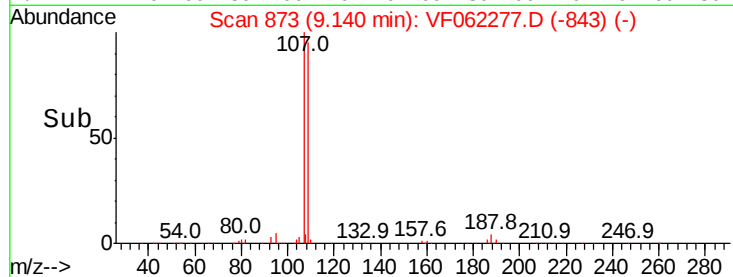
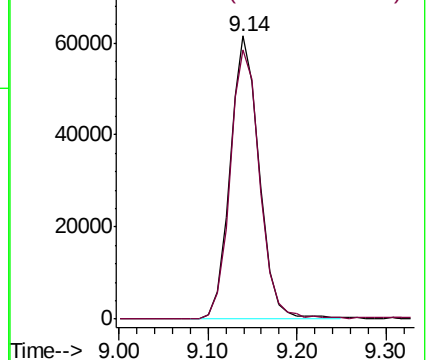
107 100

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

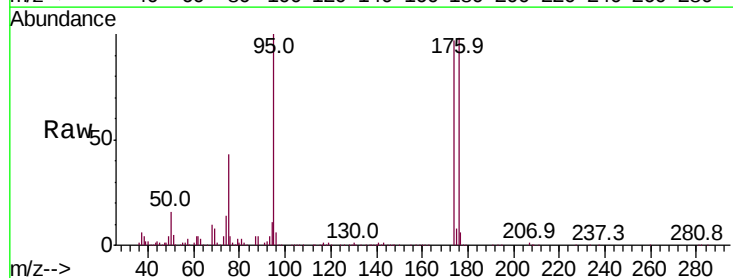
Tgt Ion: 95 Resp: 234364

Ion Ratio Lower Upper

95 100

174 92.9 0.0 185.2

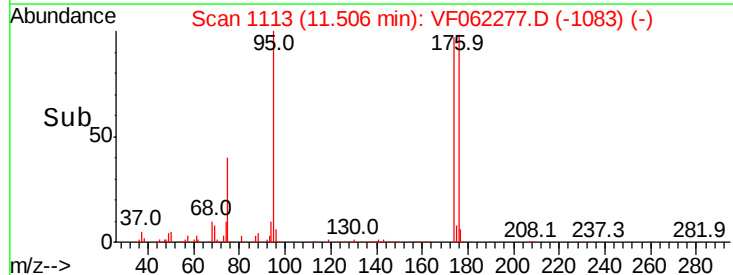
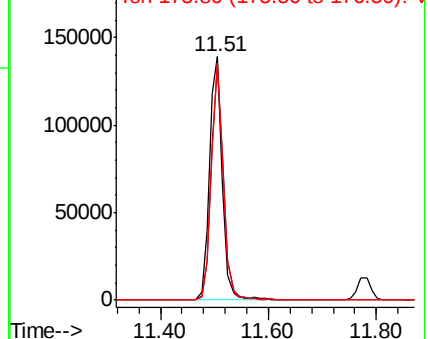
176 90.8 0.0 184.8

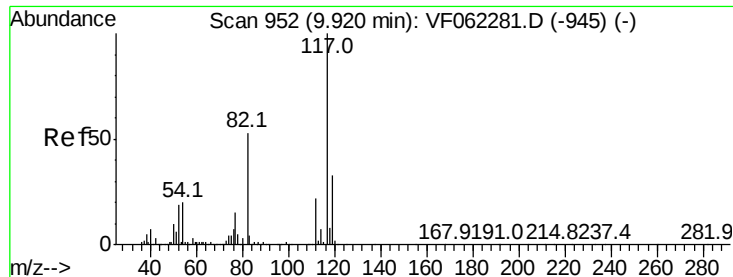


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

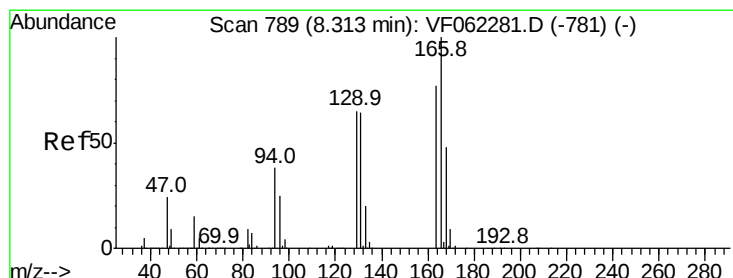
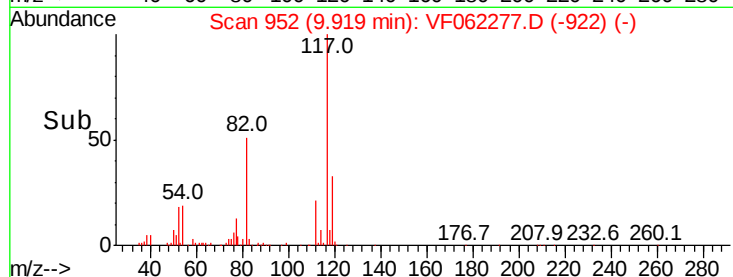
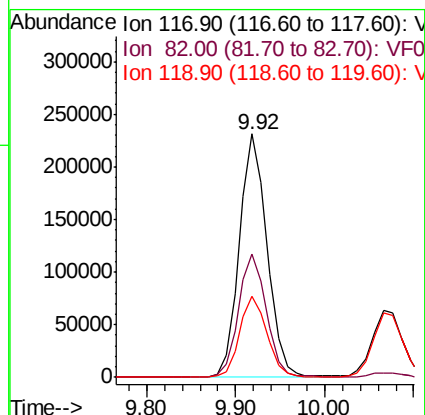
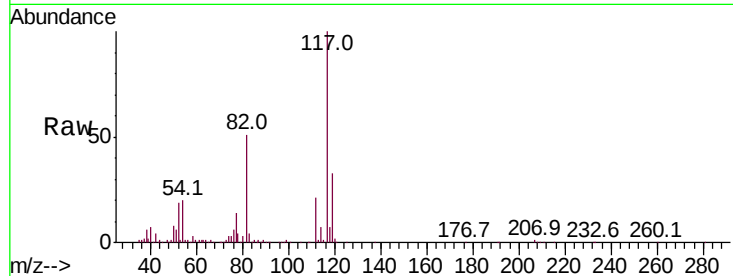




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF062277.D
Acq: 24 Apr 2019 12:45

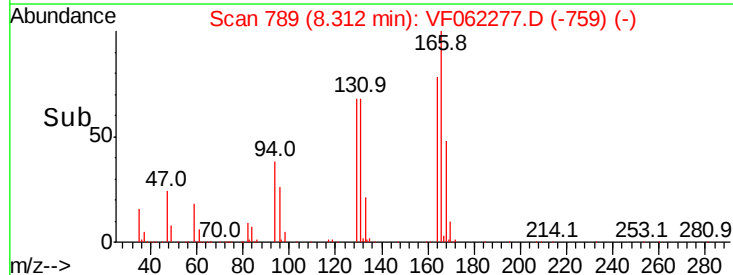
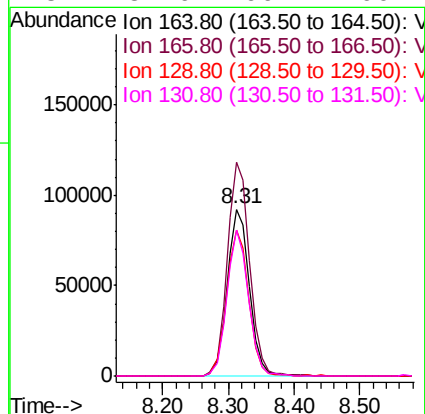
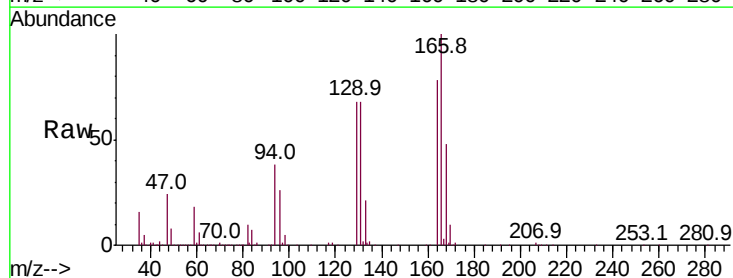
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

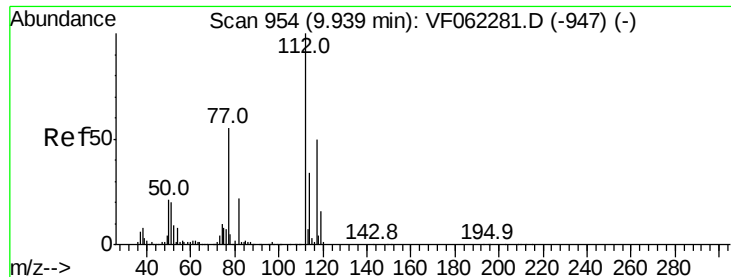
Tot Ion:117 Resp: 501864
Ion Ratio Lower Upper
117 100
82 50.7 42.6 64.0
119 33.1 26.1 39.1



#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

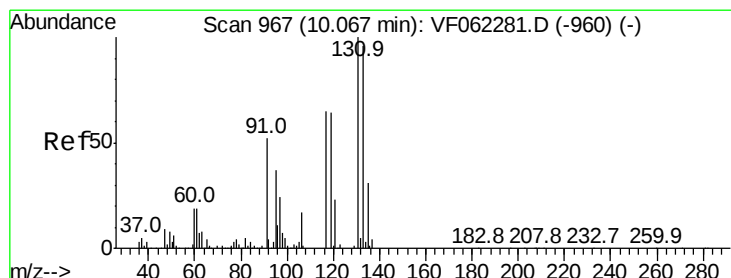
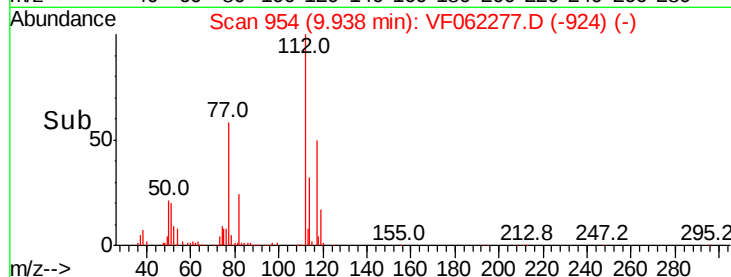
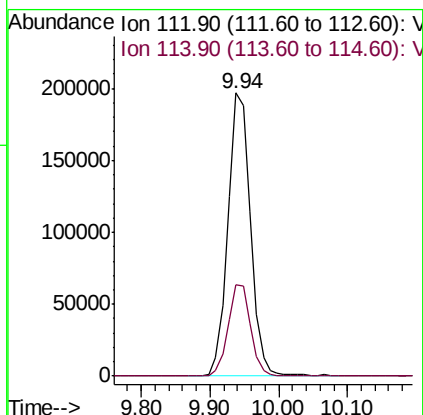
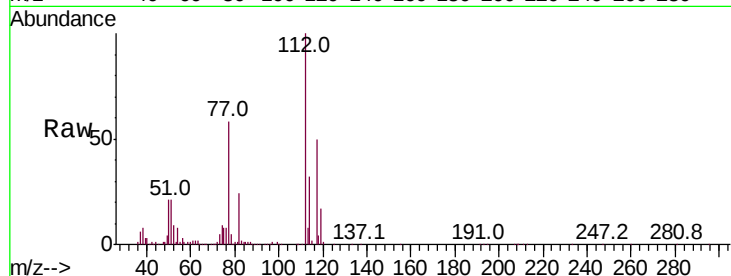




#65
Chlorobenzene
Concen: 48.219 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.00 min
Lab File: VF062277.D
Acq: 24 Apr 2019 12:45

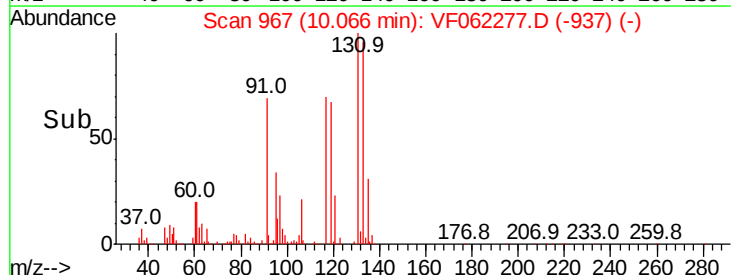
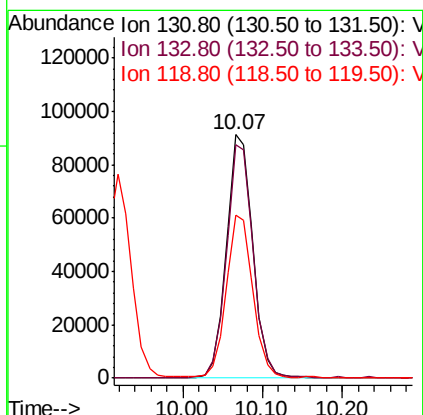
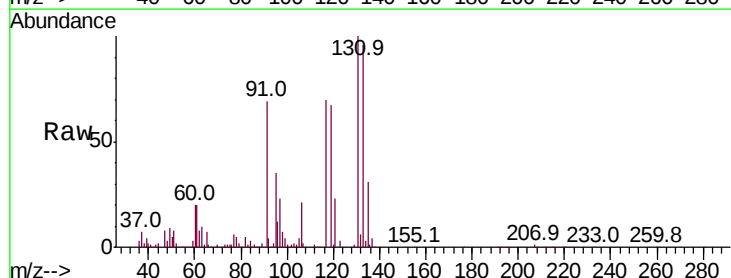
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

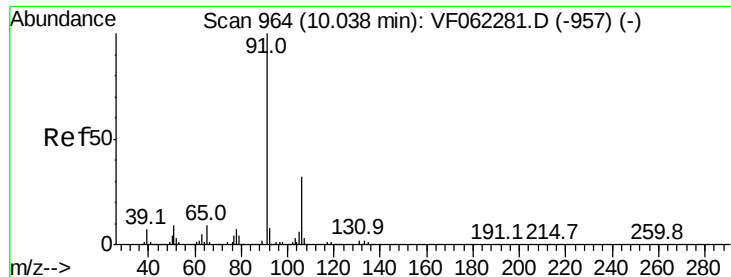
Tot Ion:112 Resp: 448825
Ion Ratio Lower Upper
112 100
114 32.5 27.0 40.6



#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 :

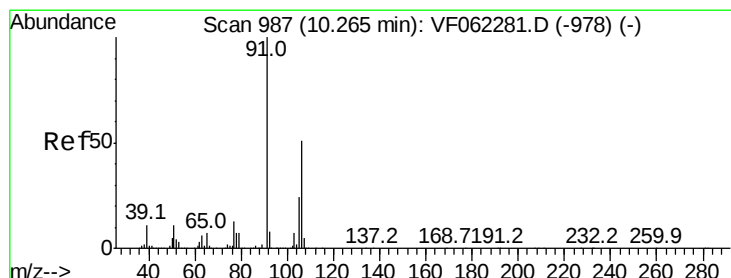
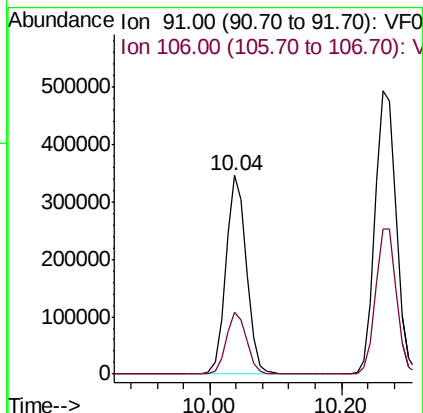
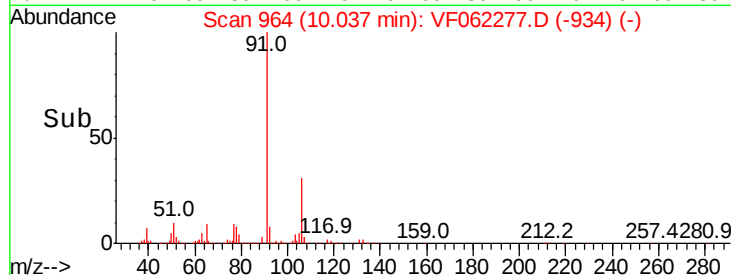
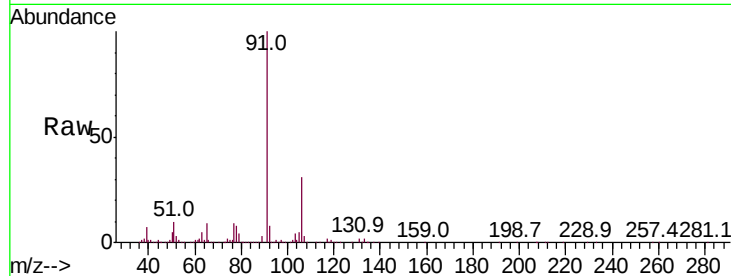
VSTDCCC050

Tot Ion: 91 Resp: 757249

Ion Ratio Lower Upper

91 100

106 30.9 25.6 38.4



#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

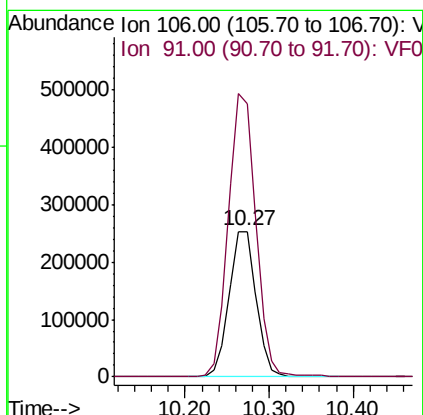
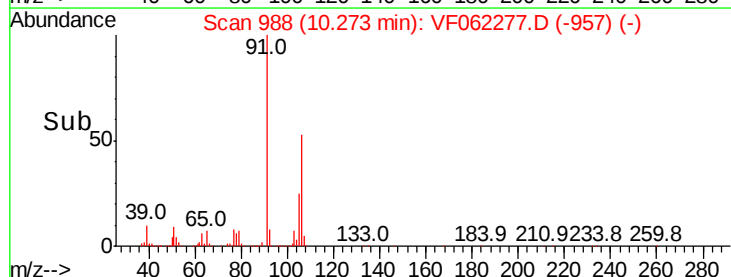
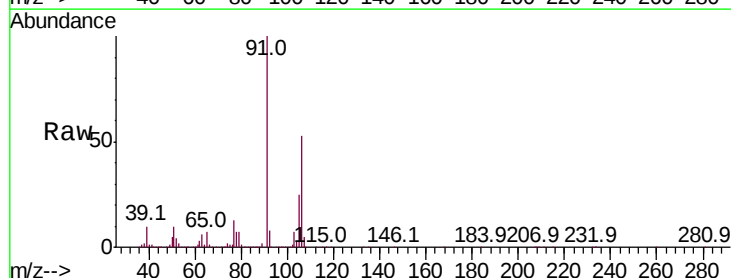
Acq: 24 Apr 2019 12:45

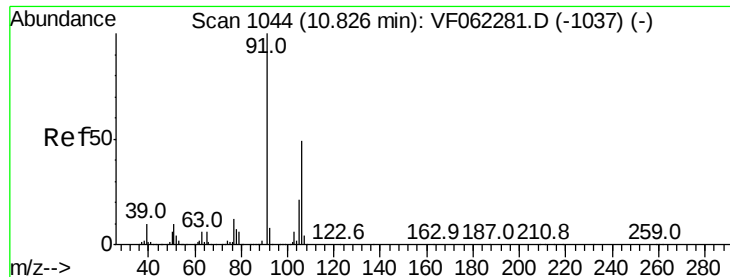
Tgt Ion: 106 Resp: 566255

Ion Ratio Lower Upper

106 100

91 197.7 158.3 237.5

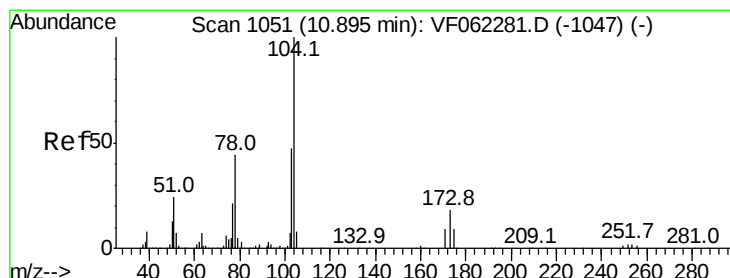
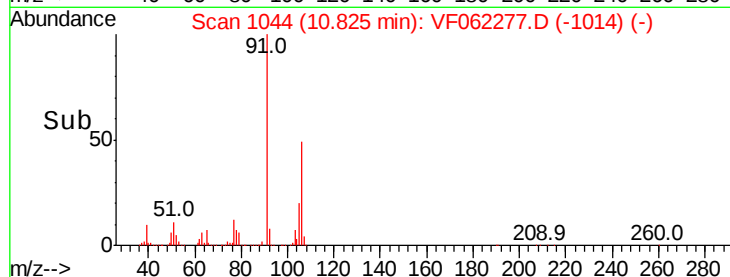
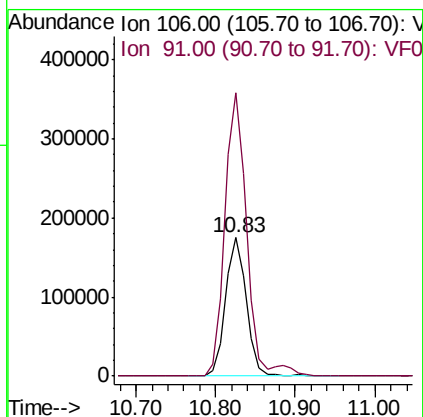
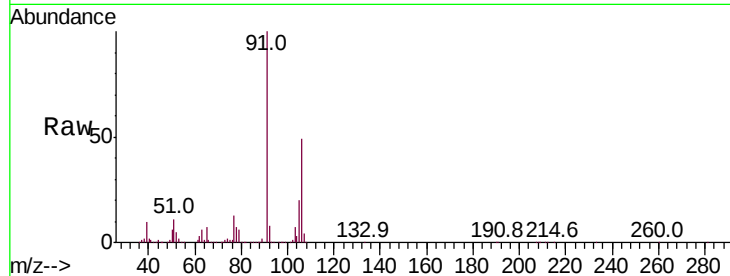




#69
o-Xylene
Concen: 47.231 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VF062277.D
Acq: 24 Apr 2019 12:45

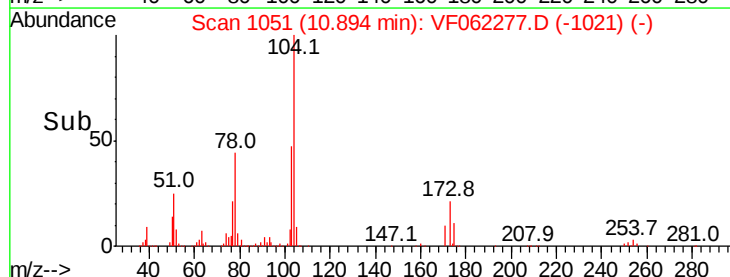
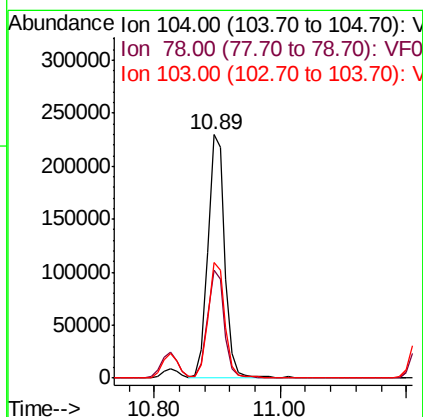
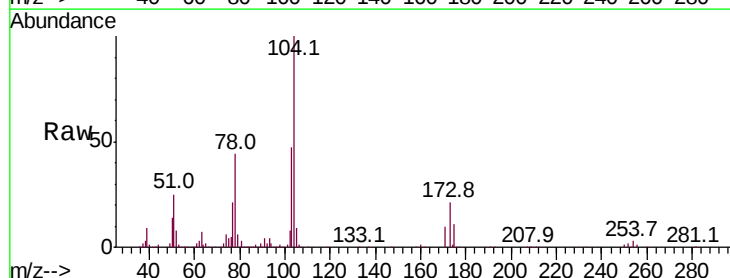
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

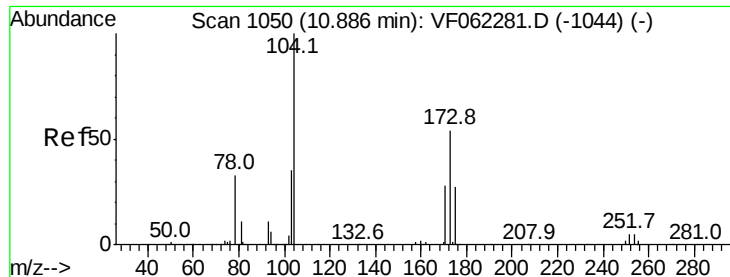
Tot Ion:106 Resp: 323222
Ion Ratio Lower Upper
106 100
91 216.2 110.0 330.0



#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

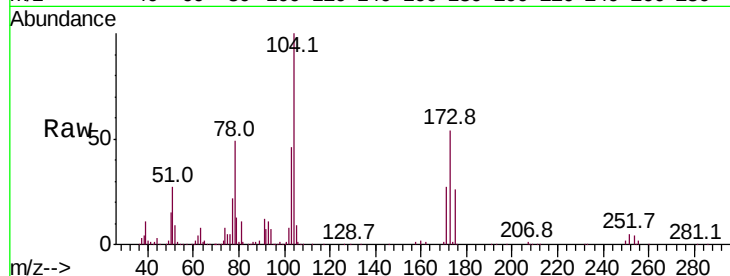
Tot Ion:173 Resp: 117601

Ion Ratio Lower Upper

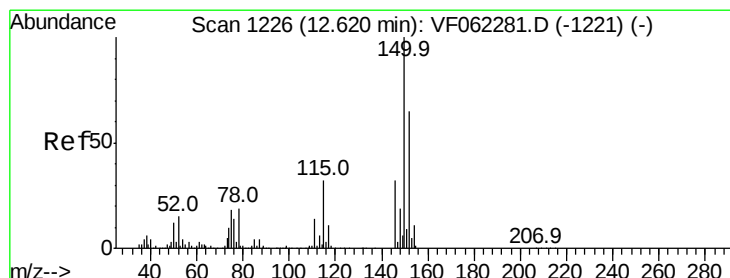
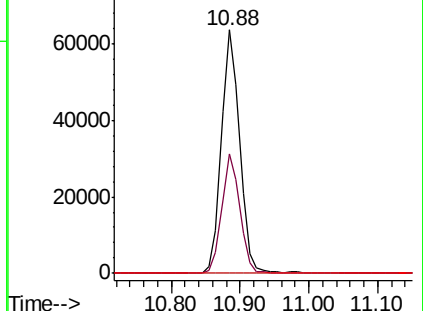
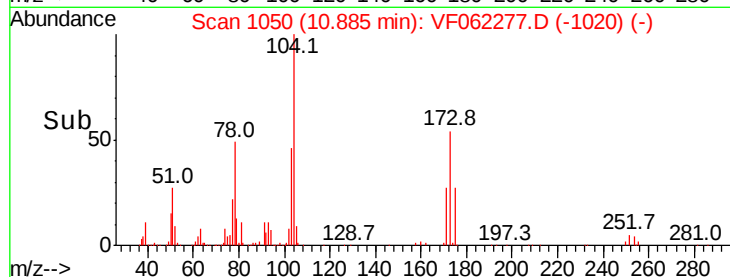
173 100

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

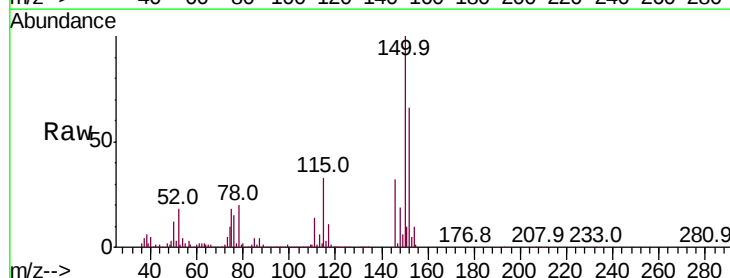
Tgt Ion:152 Resp: 279989

Ion Ratio Lower Upper

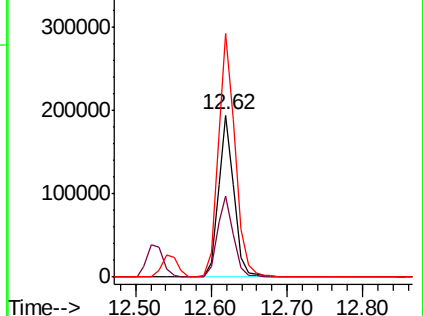
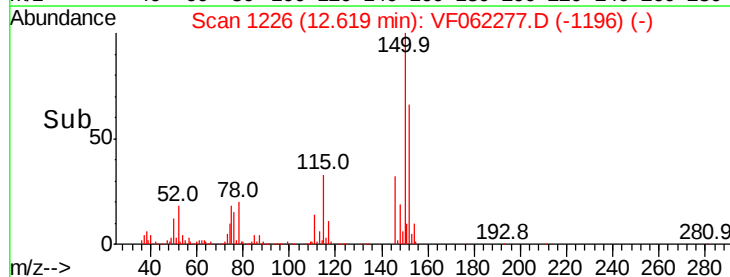
152 100

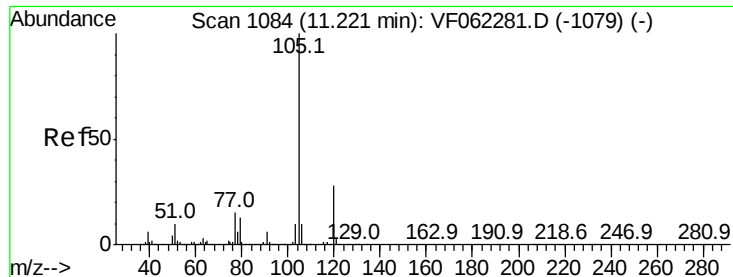
115 51.8 25.6 76.8

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 :

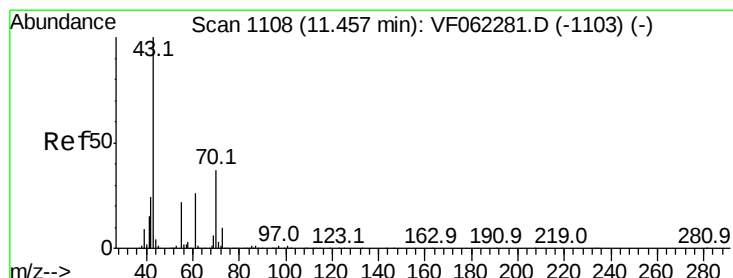
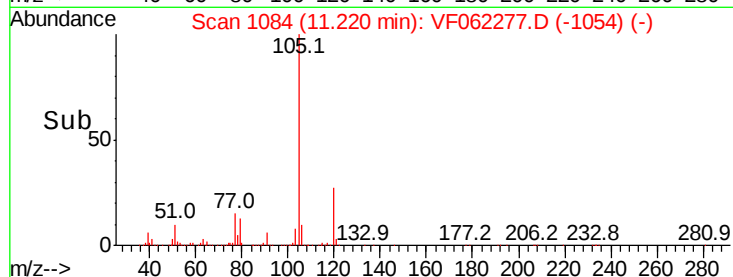
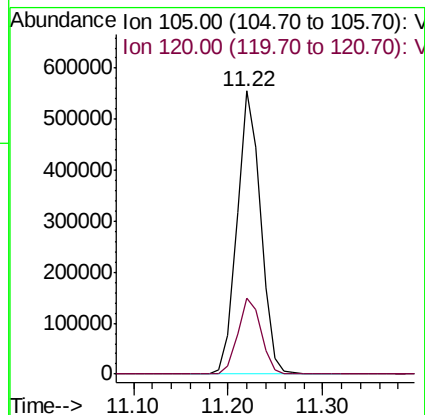
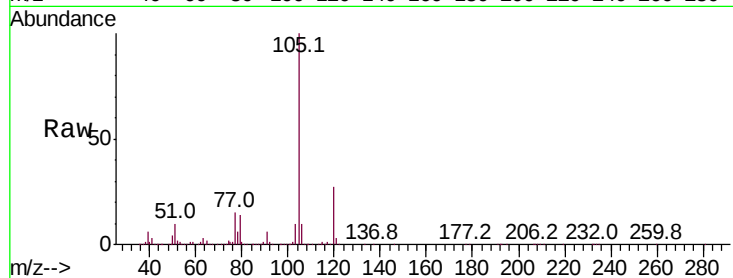
VSTDCCC050

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

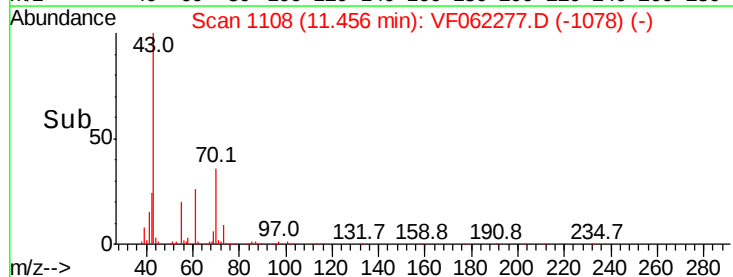
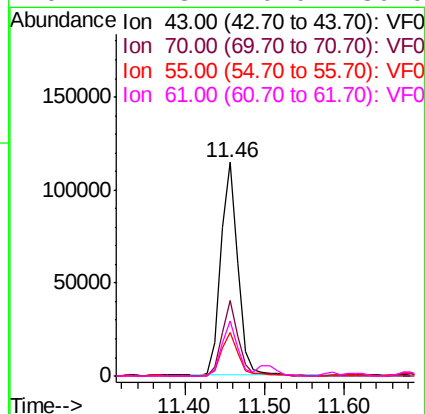
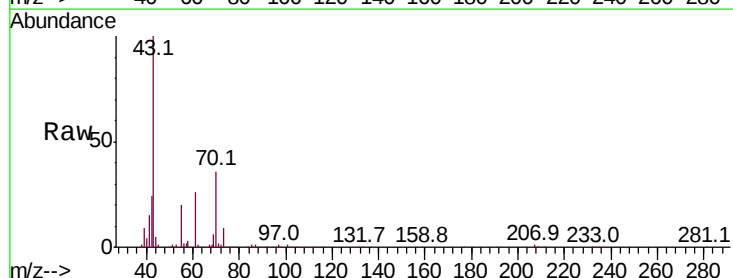
Ion Ratio Lower Upper

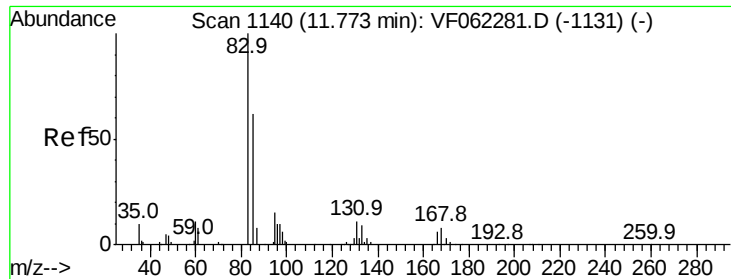
43 100

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

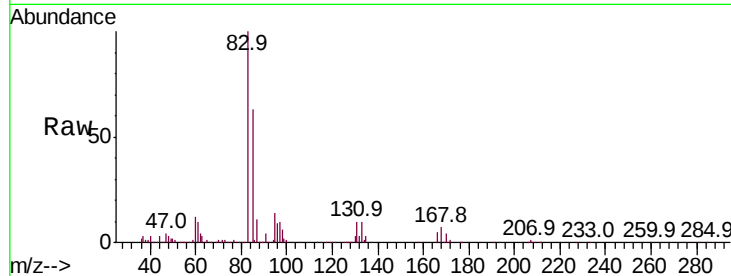
Tot Ion: 83 Resp: 150395

Ion Ratio Lower Upper

83 100

131 10.9 5.5 16.5

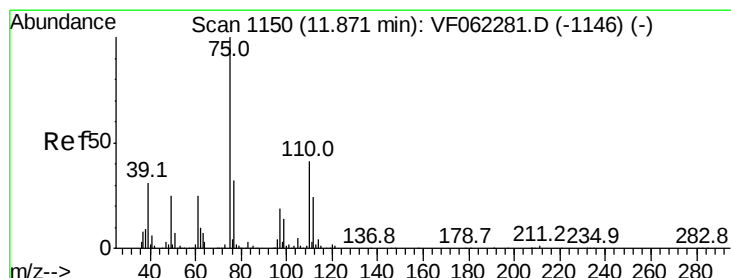
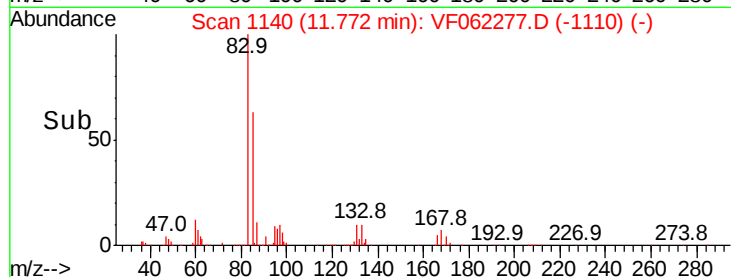
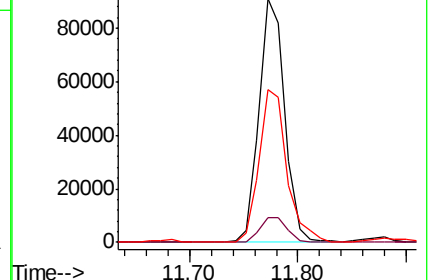
85 67.9 34.5 103.6



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

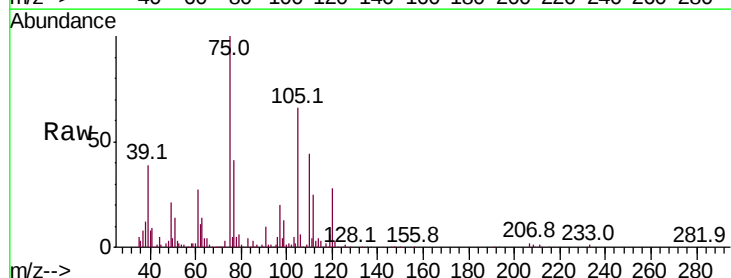
Acq: 24 Apr 2019 12:45

Tgt Ion: 75 Resp: 99250

Ion Ratio Lower Upper

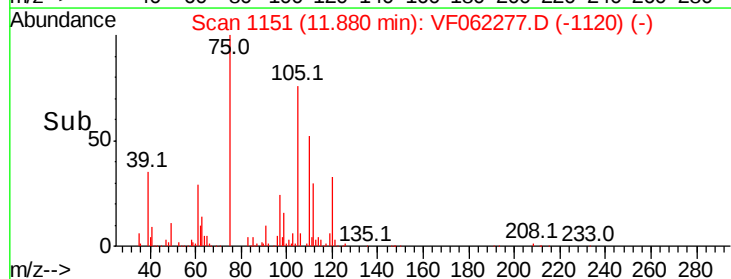
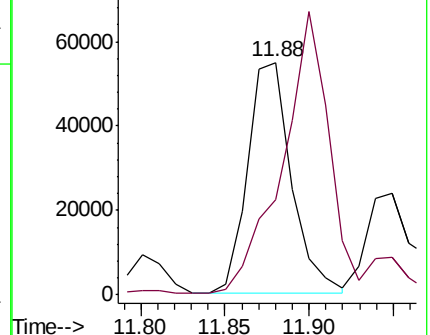
75 100

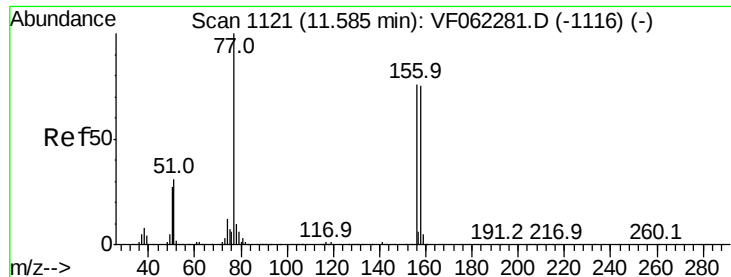
77 128.2 0.0 0.0#



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

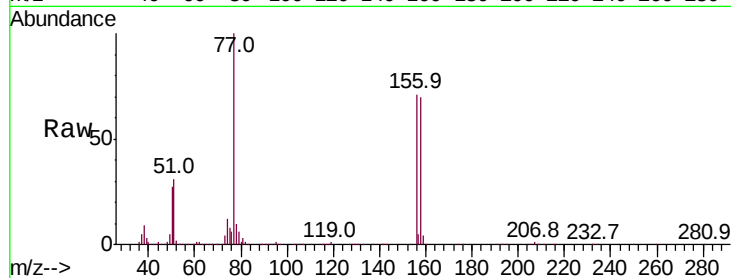
Tot Ion:156 Resp: 221295

Ion Ratio Lower Upper

156 100

77 136.4 67.3 201.9

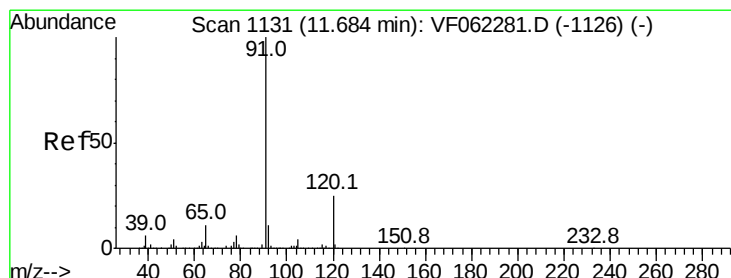
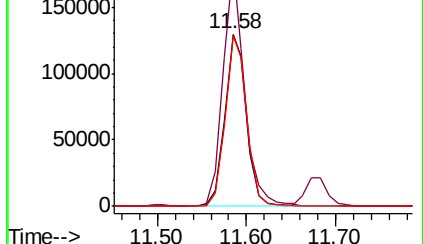
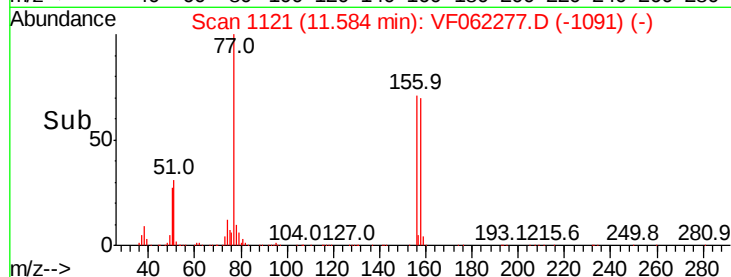
158 99.5 49.5 148.5



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

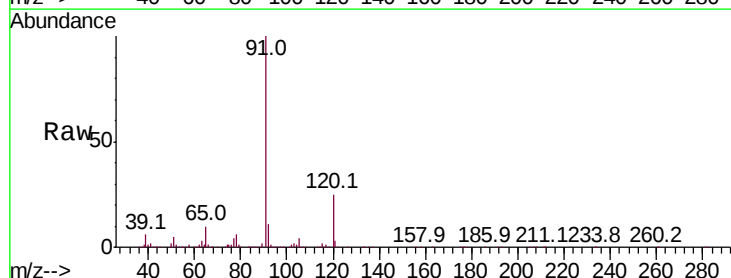
Acq: 24 Apr 2019 12:45

Tgt Ion: 91 Resp: 932266

Ion Ratio Lower Upper

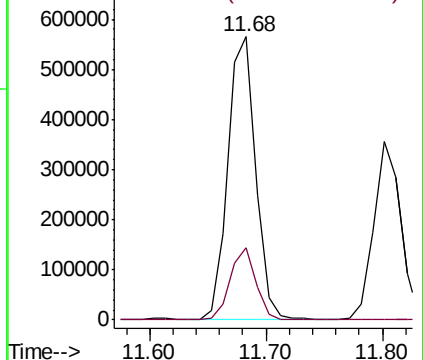
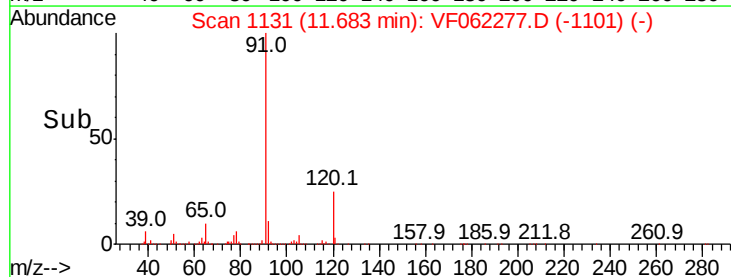
91 100

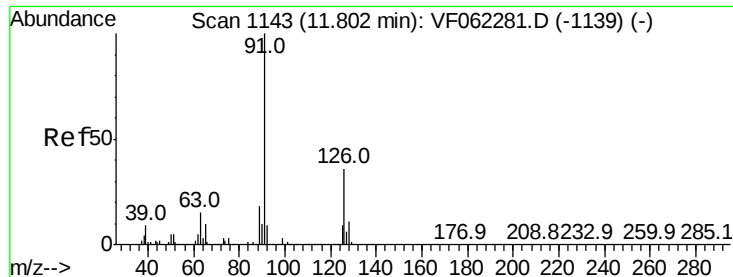
120 23.8 11.8 35.4



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 :

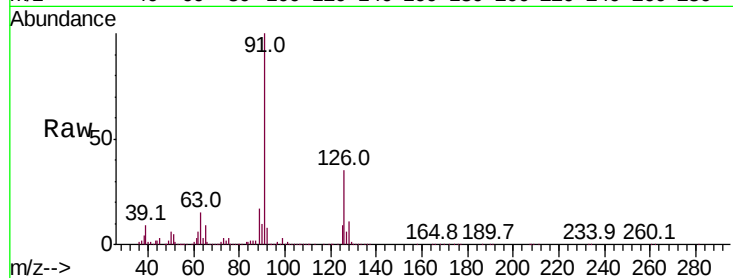
VSTDCCC050

Tot Ion: 91 Resp: 568722

Ion Ratio Lower Upper

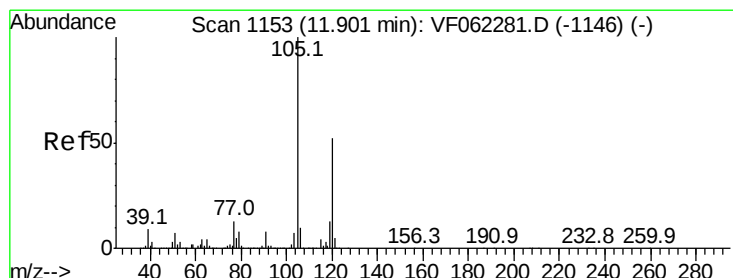
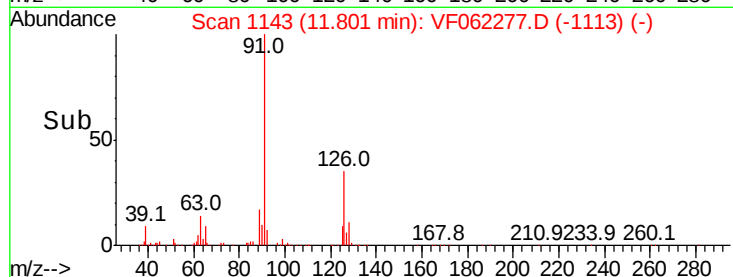
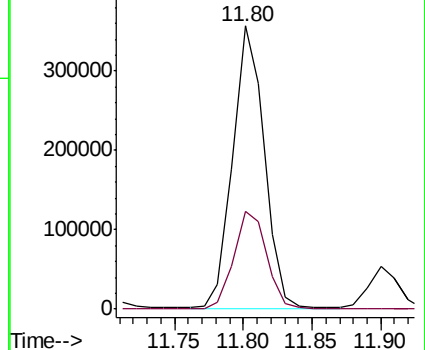
91 100

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

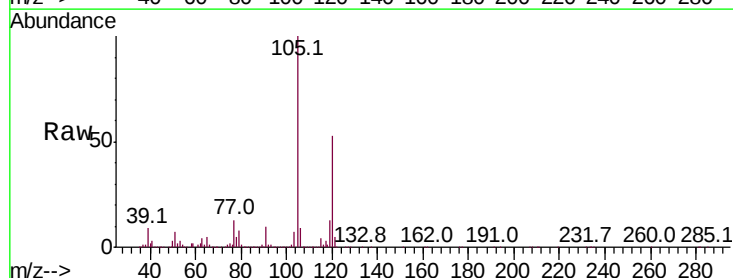
Acq: 24 Apr 2019 12:45

Tgt Ion:105 Resp: 780494

Ion Ratio Lower Upper

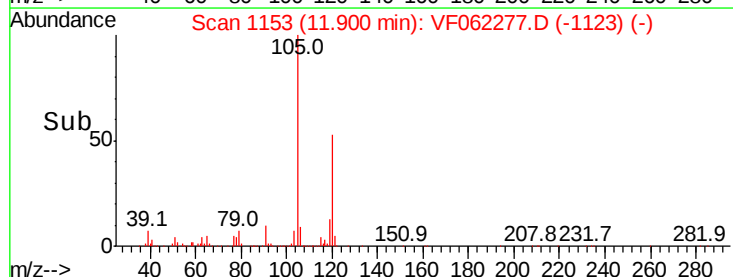
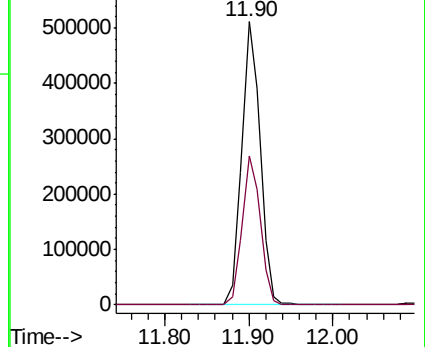
105 100

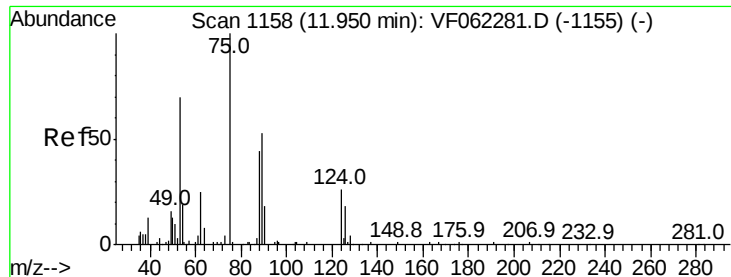
120 51.9 25.8 77.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

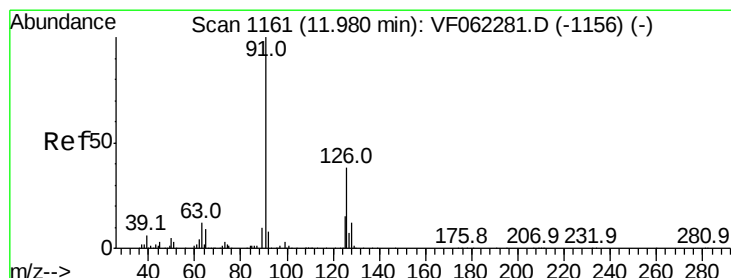
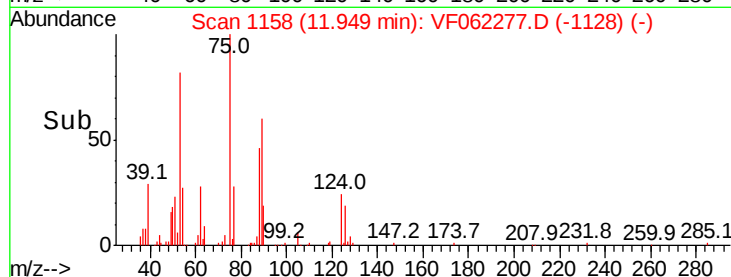
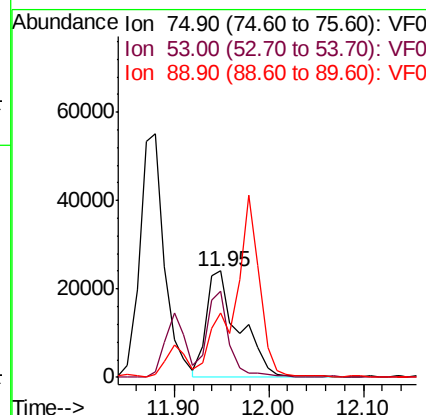
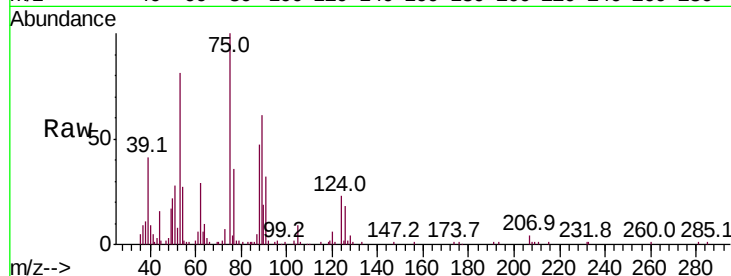




#81
trans-1,4-Dichloro-2-butene
Concen: 45.955 ug/l
RT: 11.95 min Scan# 1158
Delta R.T. -0.00 min
Lab File: VF062277.D
Acq: 24 Apr 2019 12:45

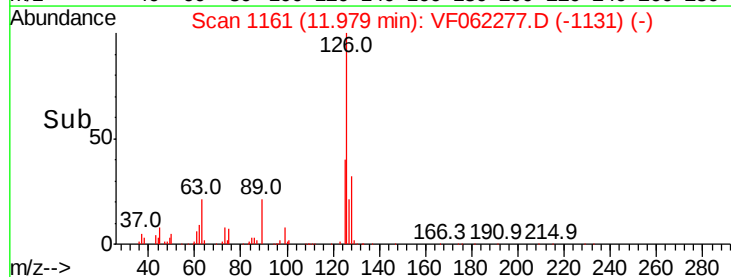
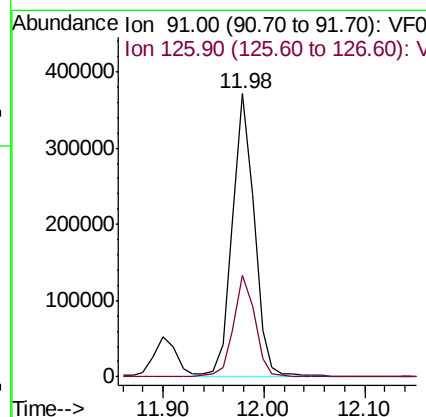
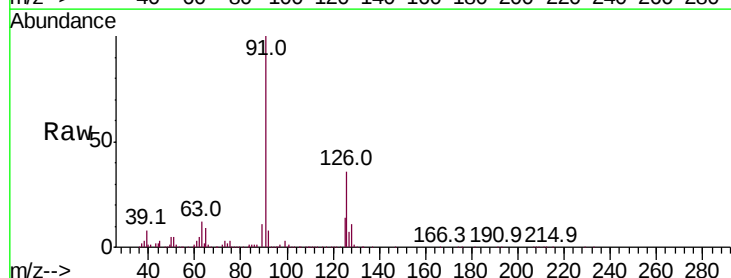
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

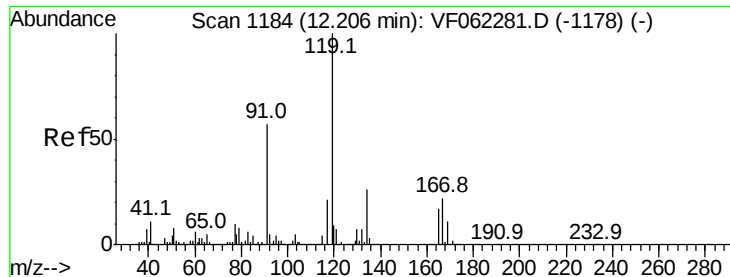
Tot Ion: 75 Resp: 57564
Ion Ratio Lower Upper
75 100
53 55.3 67.1 100.7#
89 0.0 0.0 0.0



#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

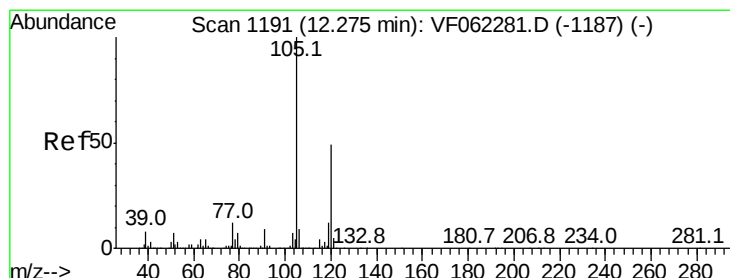
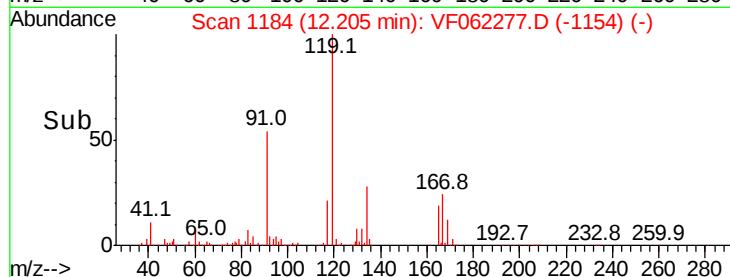
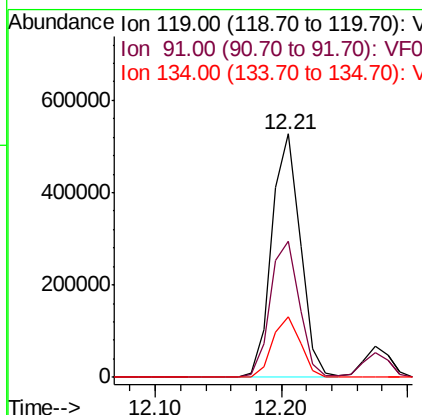
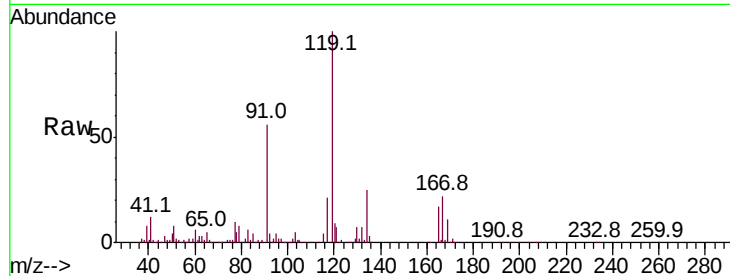




#83
 tert-Butylbenzene
 Concen: 47.424 ug/l
 RT: 12.21 min Scan# 1184
 Delta R.T. -0.00 min
 Lab File: VF062277.D
 Acq: 24 Apr 2019 12:45

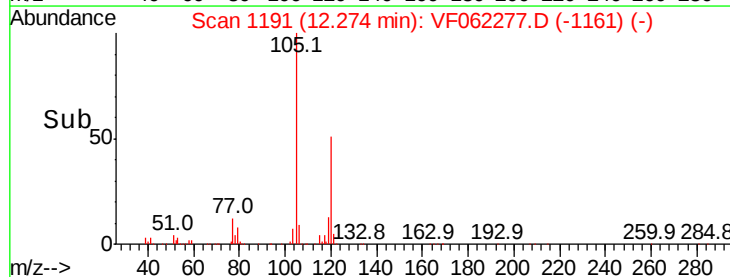
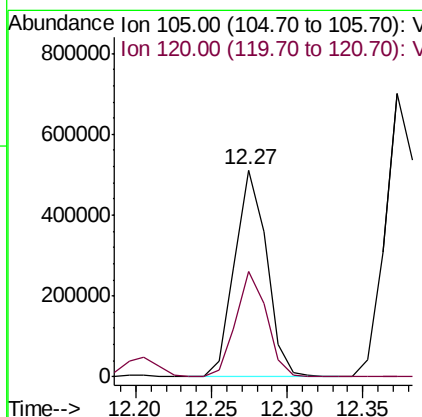
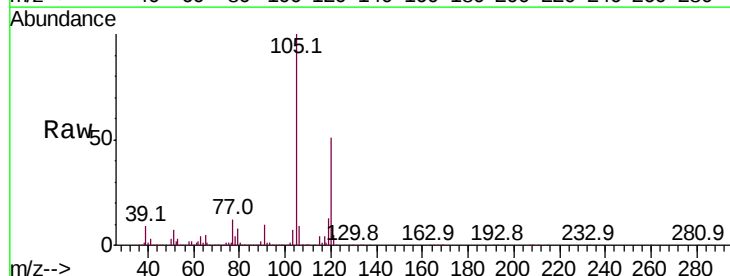
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

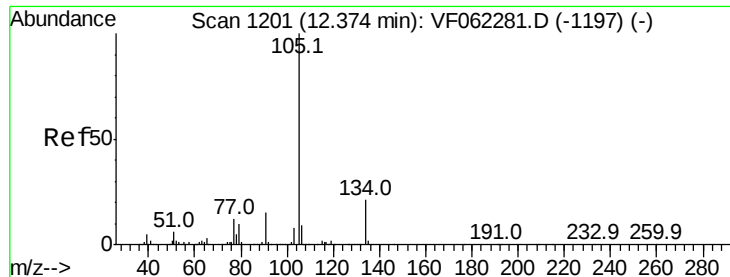
Tot Ion:119 Resp: 831641
 Ion Ratio Lower Upper
 119 100
 91 57.2 29.4 88.2
 134 24.6 11.9 35.7



#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 :

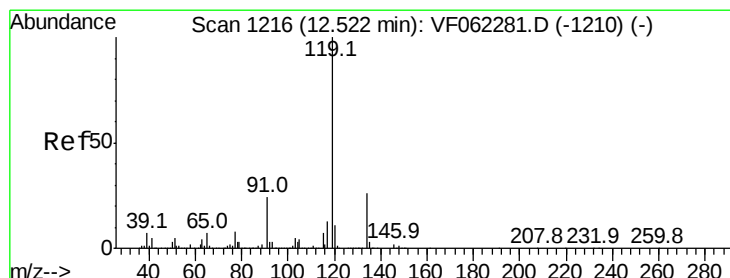
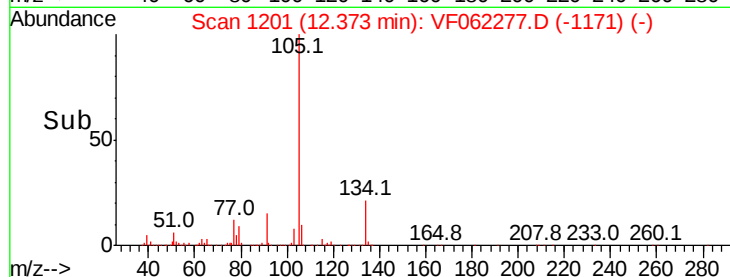
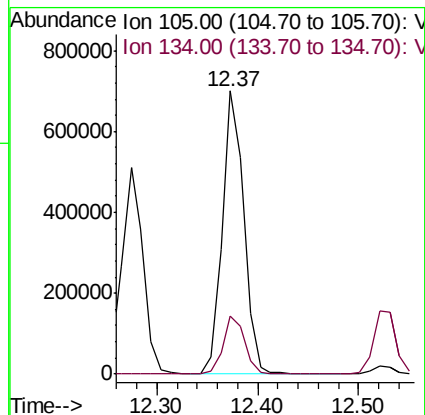
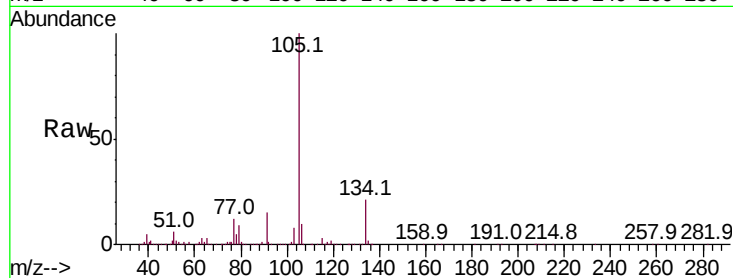
VSTDCCC050

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

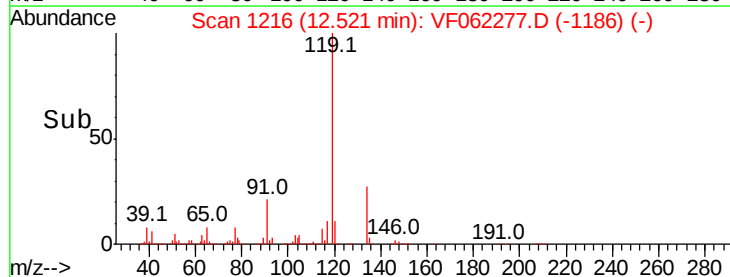
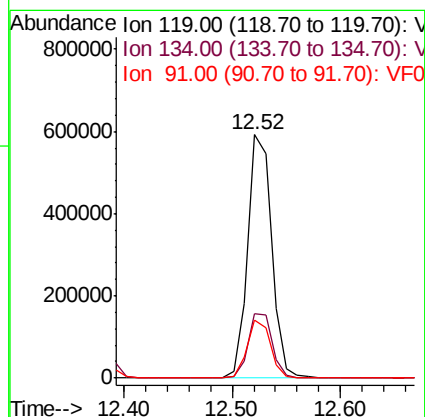
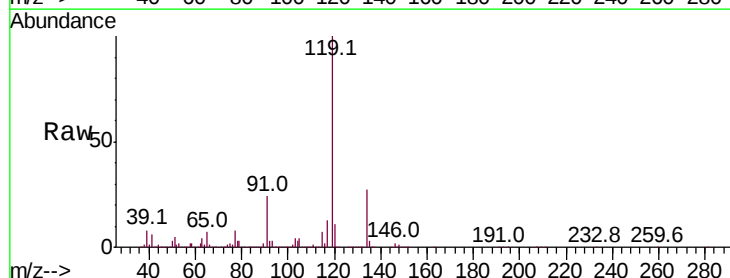
Tgt Ion:119 Resp: 910802

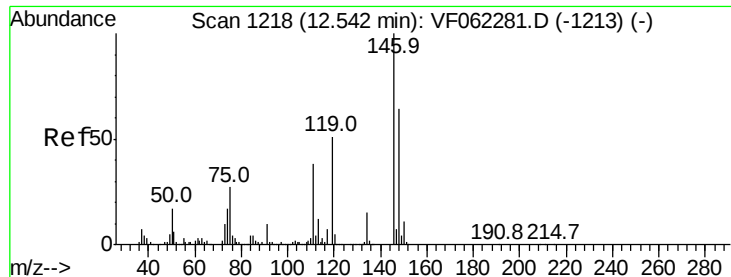
Ion Ratio Lower Upper

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

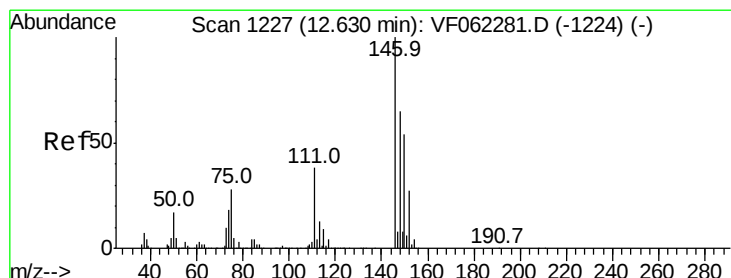
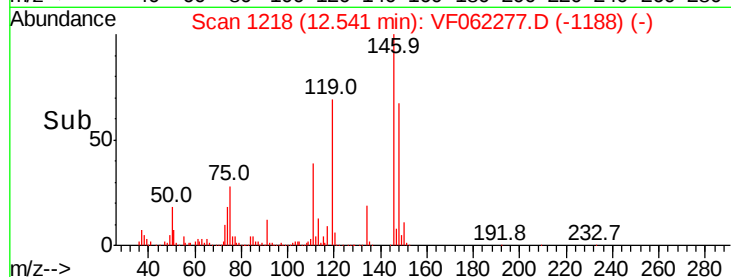
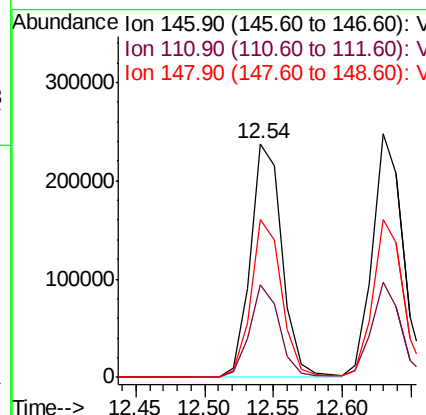
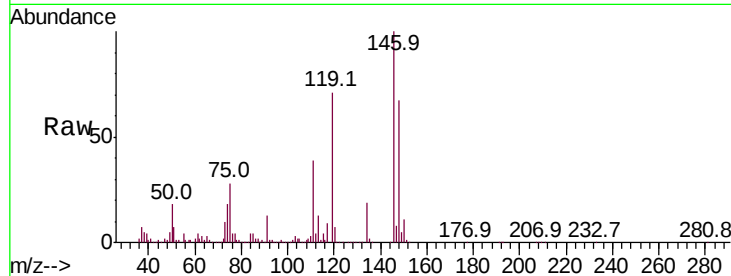
Lab File: VF062277.D

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

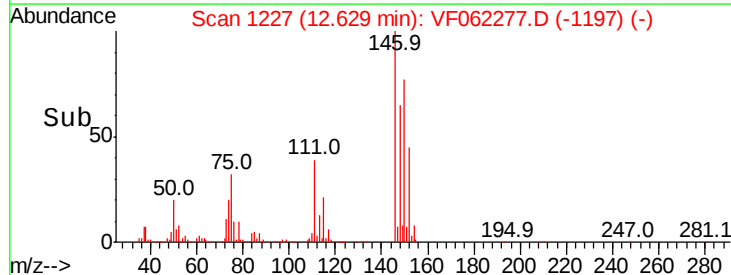
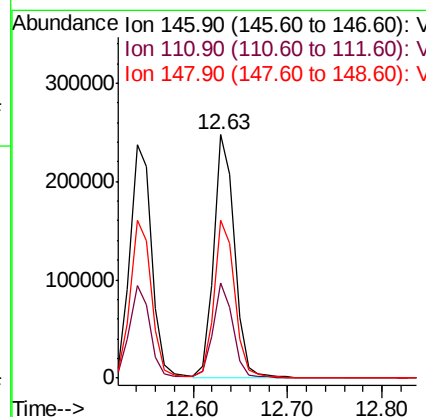
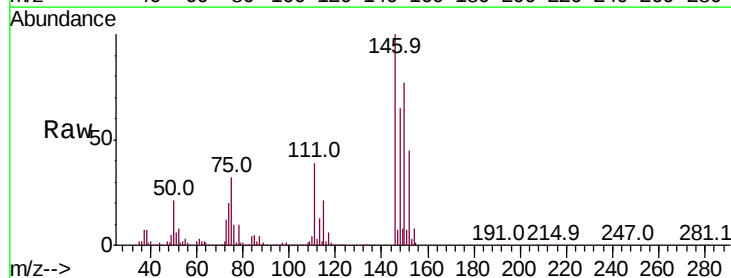
Delta R.T. -0.00 min

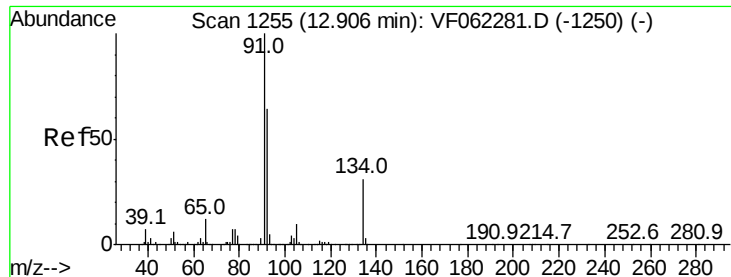
Lab File: VF062277.D

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

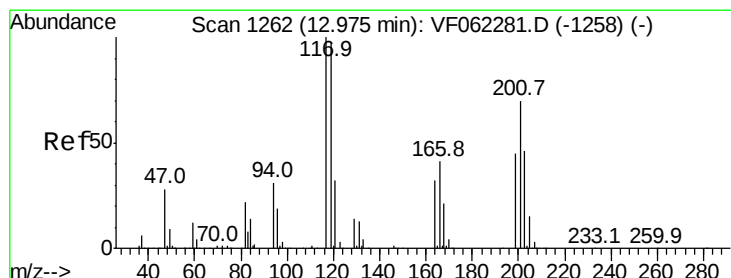
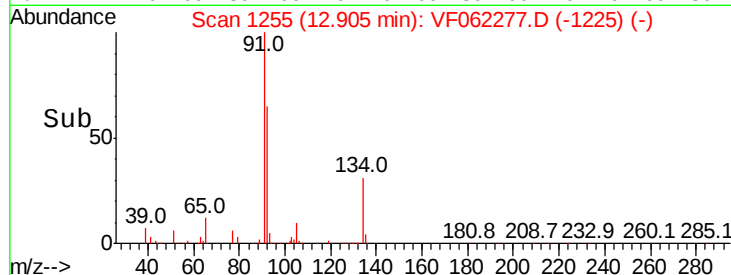
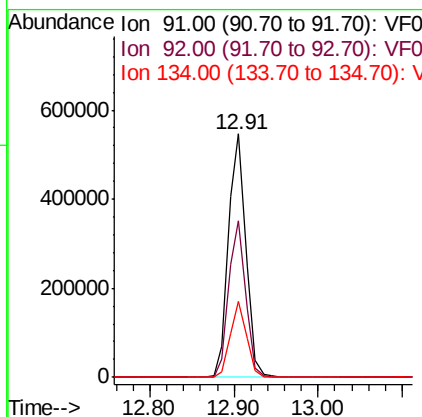
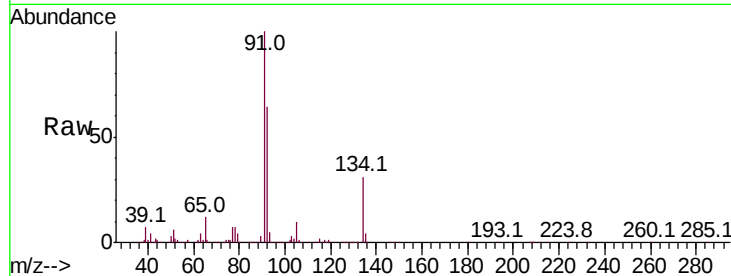




#89
n-Butylbenzene
Concen: 43.465 ug/l
RT: 12.91 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VF062277.D
Acq: 24 Apr 2019 12:45

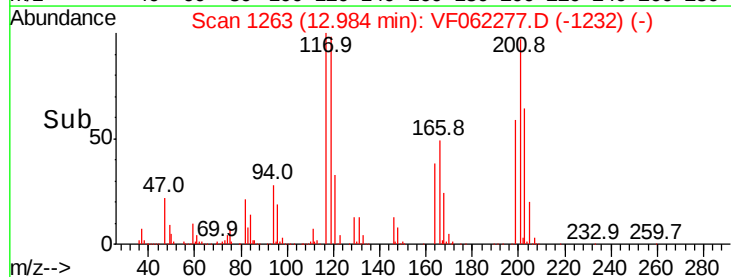
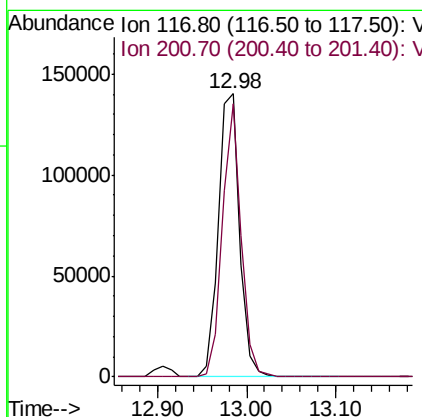
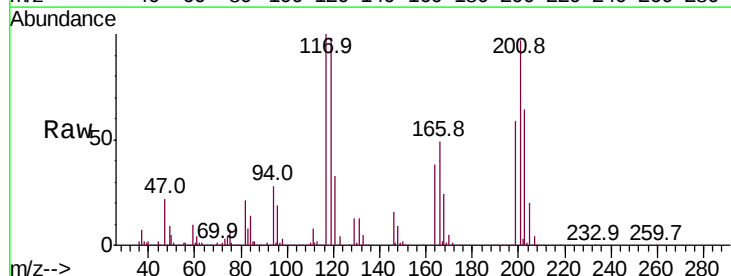
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

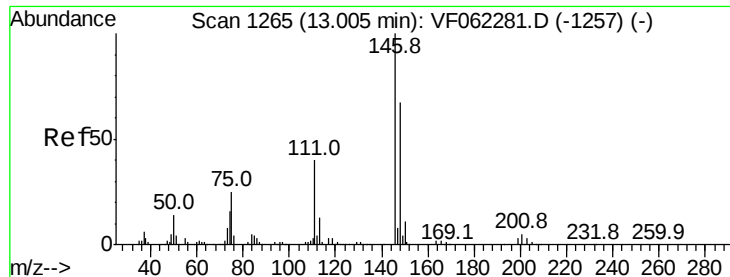
Tot Ion: 91 Resp: 785449
Ion Ratio Lower Upper
91 100
92 62.7 31.1 93.3
134 28.9 14.4 43.4



#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

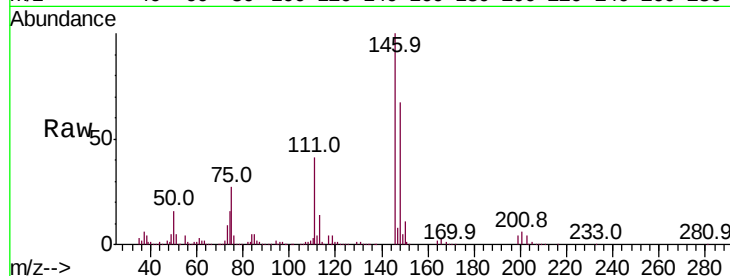
Tot Ion:146 Resp: 370962

Ion Ratio Lower Upper

146 100

111 39.9 20.0 59.9

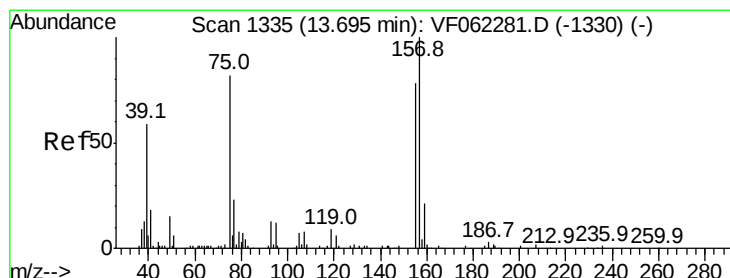
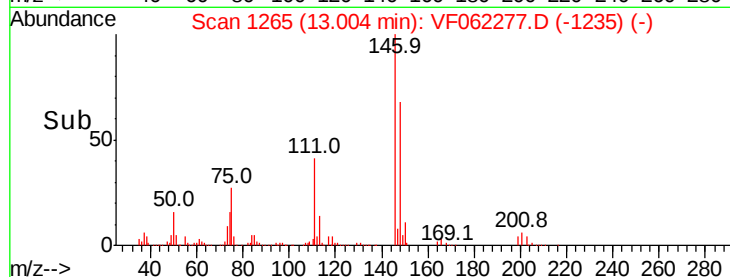
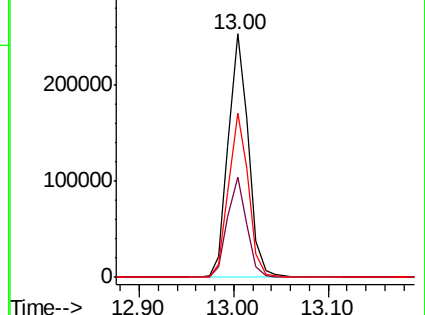
148 67.0 33.1 99.5



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

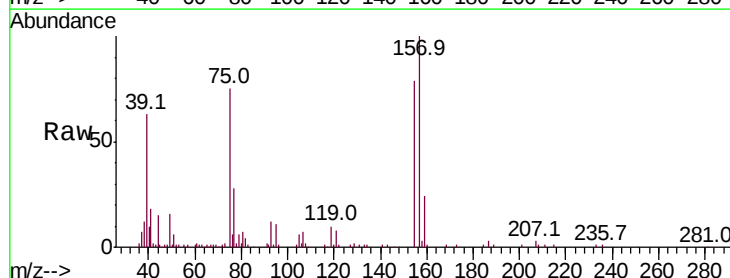
Tgt Ion: 75 Resp: 30199

Ion Ratio Lower Upper

75 100

155 106.8 51.7 155.2

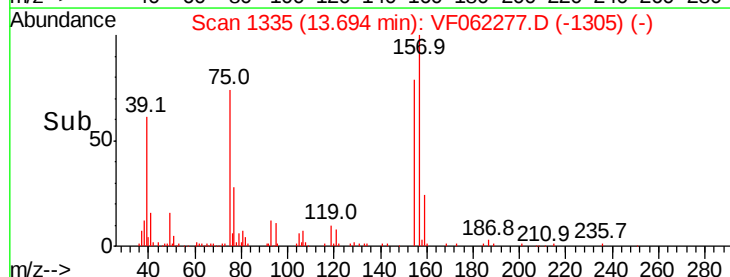
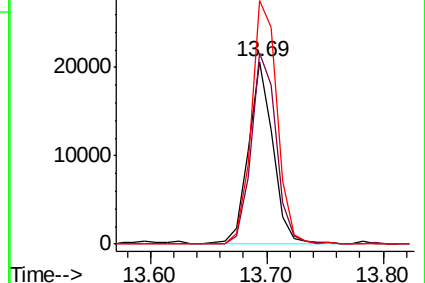
157 139.2 64.5 193.5

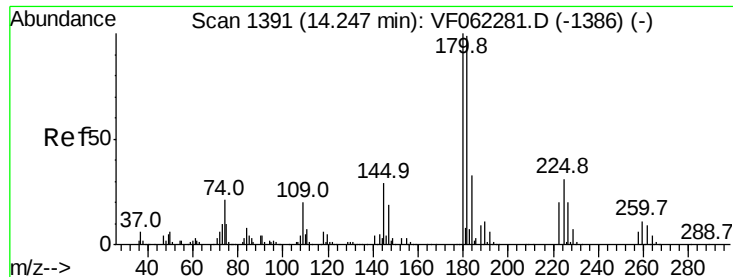


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

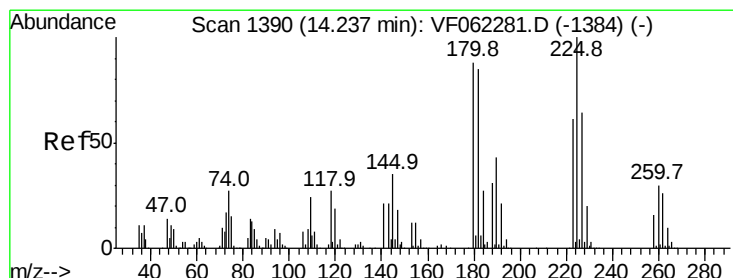
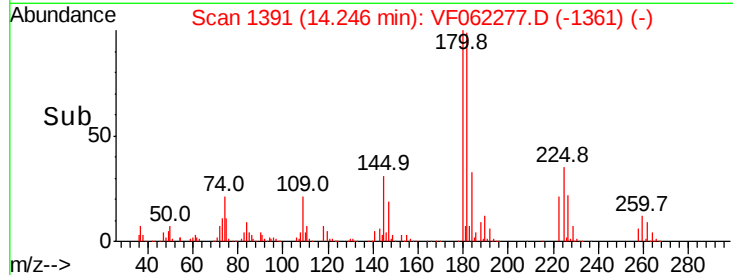
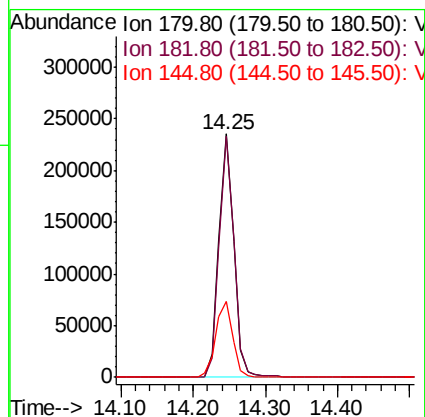
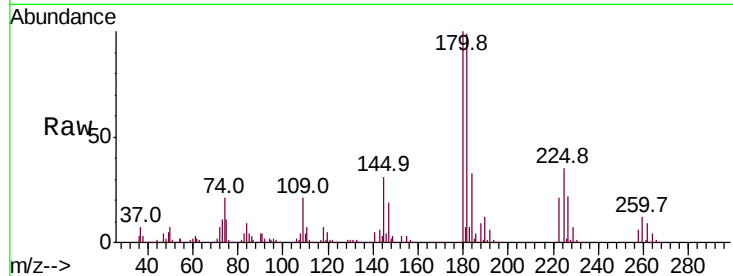




#93
 1,2,4-Trichlorobenzene
 Concen: 44.911 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VF062277.D
 Acq: 24 Apr 2019 12:45

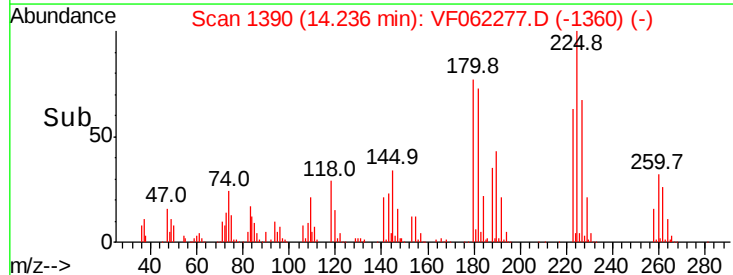
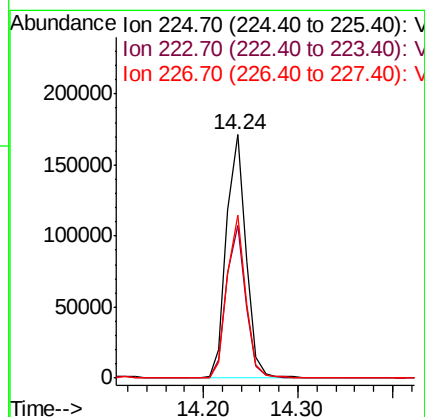
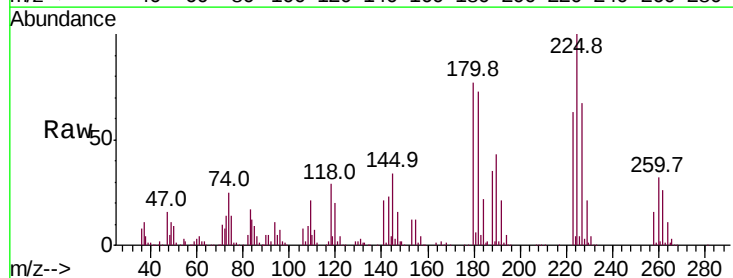
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

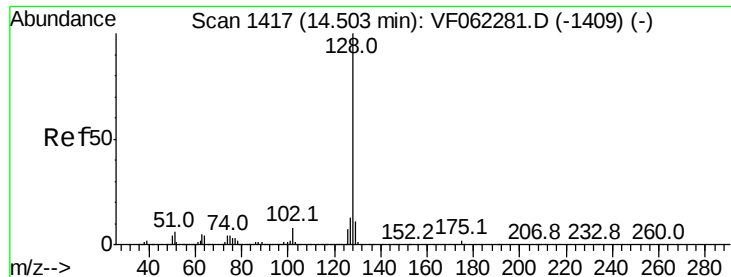
Tot Ion	Ratio	Lower	Upper
180	100		
182	98.0	48.5	145.6
145	35.4	16.7	50.1



#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	Ratio	Lower	Upper
225	100		
223	62.4	30.8	92.3
227	64.6	31.9	95.5

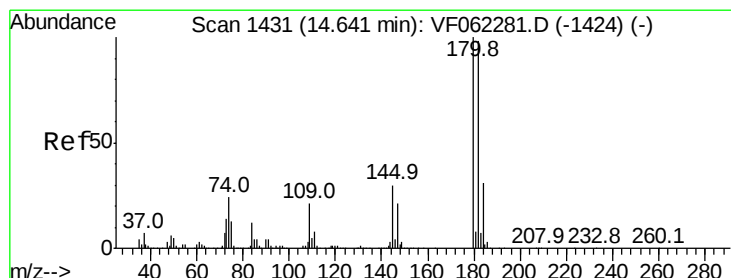
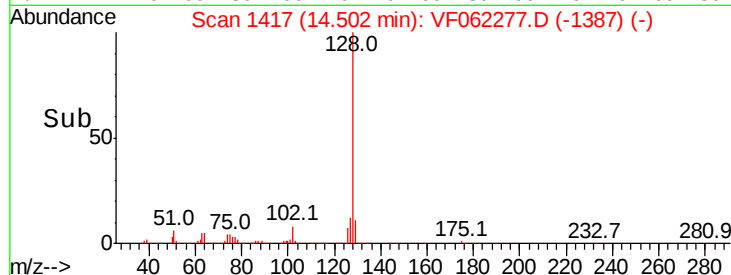
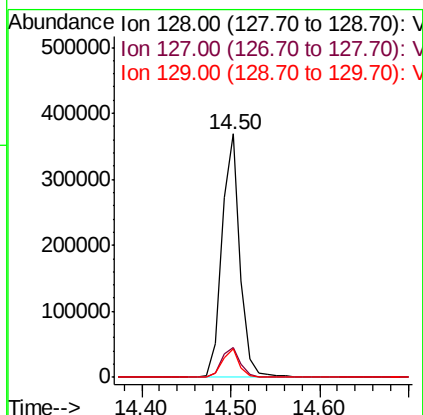
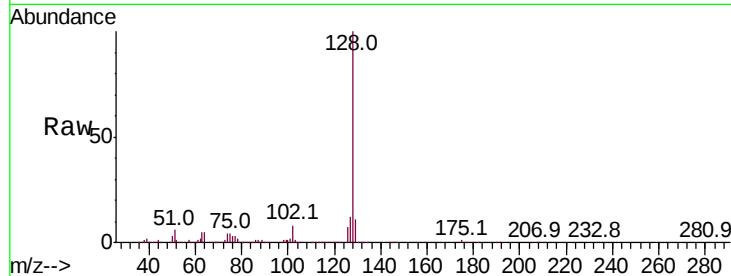




#95
Naphthalene
Concen: 47.382 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. -0.00 min
Lab File: VF062277.D
Acq: 24 Apr 2019 12:45

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



#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

