

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042519\
 Data File : VF062288.D
 Acq On : 25 Apr 2019 12:38
 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 26 01:06:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 08:40:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	465674	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	652320	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	478210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	253381	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	178695	47.37	ug/l	0.00
Spiked Amount			Recovery	=	94.74%	
35) Dibromofluoromethane	4.31	113	236409	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	
50) Toluene-d8	7.72	98	567044	48.00	ug/l	0.00
Spiked Amount			Recovery	=	96.00%	
62) 4-Bromofluorobenzene	11.50	95	207578	42.63	ug/l	0.00
Spiked Amount			Recovery	=	85.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	279356	50.480	ug/l	100
3) Chloromethane	1.15	50	234372	50.273	ug/l	96
4) Vinyl Chloride	1.19	62	223640	50.651	ug/l	97
5) Bromomethane	1.40	94	158881	52.988	ug/l	99
6) Chloroethane	1.45	64	110653	57.169	ug/l	98
7) Trichlorofluoromethane	1.56	101	380167	54.185	ug/l	92
8) Diethyl Ether	1.71	74	64690	50.894	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.91	101	230588	52.370	ug/l	98
10) Methyl Iodide	1.99	142	401607	52.181	ug/l	99
11) Tert butyl alcohol	2.70	59	56055	245.668	ug/l	95
12) 1,1-Dichloroethene	1.88	96	200197	50.958	ug/l	92
13) Acrolein	2.11	56	53842	251.632	ug/l	97
14) Allyl chloride	2.20	41	334936	78.337	ug/l #	74
15) Acrylonitrile	3.09	53	165571	261.992	ug/l	97
16) Acetone	2.35	43	248047	293.707	ug/l	97
17) Carbon Disulfide	1.92	76	526495	50.921	ug/l	97
18) Methyl Acetate	2.47	43	76051	48.327	ug/l	96
19) Methyl tert-butyl Ether	2.55	73	372746	49.768	ug/l	98
20) Methylene Chloride	2.34	84	118479	30.835	ug/l	95
21) trans-1,2-Dichloroethene	2.43	96	191891	49.425	ug/l	99
22) Diisopropyl ether	2.94	45	580600	50.443	ug/l	98
23) Vinyl Acetate	3.35	43	1273578	249.521	ug/l	100
24) 1,1-Dichloroethane	3.02	63	341480	51.979	ug/l	98
25) 2-Butanone	4.53	43	341731	255.192	ug/l	98
26) 2,2-Dichloropropane	3.78	77	188053	55.122	ug/l	100
27) cis-1,2-Dichloroethene	3.65	96	253312	51.521	ug/l	96
28) Bromochloromethane	3.91	49	133668	48.283	ug/l #	97
29) Tetrahydrofuran	4.27	42	144192	245.057	ug/l	100
30) Chloroform	4.06	83	428915	51.994	ug/l	97
31) Cyclohexane	3.89	56	320765	51.313	ug/l	97
32) 1,1,1-Trichloroethane	4.29	97	349853	54.016	ug/l #	83
36) 1,1-Dichloropropene	4.48	75	310464	51.588	ug/l	99
37) Ethyl Acetate	4.31	43	119774	47.307	ug/l #	67
38) Carbon Tetrachloride	4.20	117	405009	66.198	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	372693	53.049	ug/l	98
40) Benzene	4.83	78	741858	51.021	ug/l	100
41) Methacrylonitrile	4.94	41	70339	50.008	ug/l	93
42) 1,2-Dichloroethane	5.13	62	235134	51.045	ug/l	100
43) Isopropyl Acetate	7.12	43	118730	45.745	ug/l #	97
44) Trichloroethene	5.69	130	244668	49.735	ug/l	99
45) 1,2-Dichloropropane	6.41	63	176653	53.885	ug/l	99
46) Dibromomethane	6.27	93	129520	54.714	ug/l	98
47) Bromodichloromethane	6.56	83	303752	54.582	ug/l	95
48) Methyl methacrylate	6.89	41	94106	50.733	ug/l	98
49) 1,4-Dioxane	6.88	88	21012	983.730	ug/l	96
51) 4-Methyl-2-Pentanone	8.41	43	482706	241.971	ug/l	99
52) Toluene	7.78	92	416235	49.609	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	217333	53.110	ug/l	99
54) cis-1,3-Dichloropropene	7.47	75	281474	53.692	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	121272	50.892	ug/l	98
56) Ethyl methacrylate	8.76	69	122268	46.705	ug/l	99
57) 1,3-Dichloropropane	9.00	76	176300	47.056	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.46	63	184556	231.681	ug/l	100
59) 2-Hexanone	9.63	43	293810	240.757	ug/l	99
60) Dibromochloromethane	8.87	129	203920	52.727	ug/l	98
61) 1,2-Dibromoethane	9.13	107	143621	52.076	ug/l	97
64) Tetrachloroethene	8.31	164	215344	53.838	ug/l	96
65) Chlorobenzene	9.94	112	444699	50.888	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	216740	52.656	ug/l	98
67) Ethyl Benzene	10.04	91	772857	50.872	ug/l	100
68) m/p-Xylenes	10.27	106	567840	100.392	ug/l	100
69) o-Xylene	10.82	106	326446	51.659	ug/l	99
70) Styrene	10.90	104	446005	48.823	ug/l	99
71) Bromoform	10.88	173	115200	49.720	ug/l #	99
73) Isopropylbenzene	11.21	105	939975	54.145	ug/l	97
74) N-amyl acetate	11.45	43	169273	42.318	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	146147	52.988	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	100274	51.242	ug/l #	100
77) Bromobenzene	11.58	156	225790	52.026	ug/l	99
78) n-propylbenzene	11.68	91	945505	51.761	ug/l	100
79) 2-Chlorotoluene	11.80	91	581534	52.853	ug/l	100
80) 1,3,5-Trimethylbenzene	11.89	105	777570	53.056	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	58578	66.968	ug/l #	66
82) 4-Chlorotoluene	11.97	91	558213	51.272	ug/l	97
83) tert-Butylbenzene	12.20	119	816752	54.304	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	749324	52.791	ug/l	99
85) sec-Butylbenzene	12.37	105	999689	53.364	ug/l	100
86) p-Isopropyltoluene	12.53	119	908946	54.119	ug/l	100
87) 1,3-Dichlorobenzene	12.55	146	384037	50.018	ug/l	100
88) 1,4-Dichlorobenzene	12.63	146	370339	50.872	ug/l	96
89) n-Butylbenzene	12.90	91	786763	51.555	ug/l	99
90) Hexachloroethane	12.98	117	233354	55.428	ug/l	98
91) 1,2-Dichlorobenzene	13.00	146	377038	51.158	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	27280	49.029	ug/l	91

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Response via : Initial Calibration

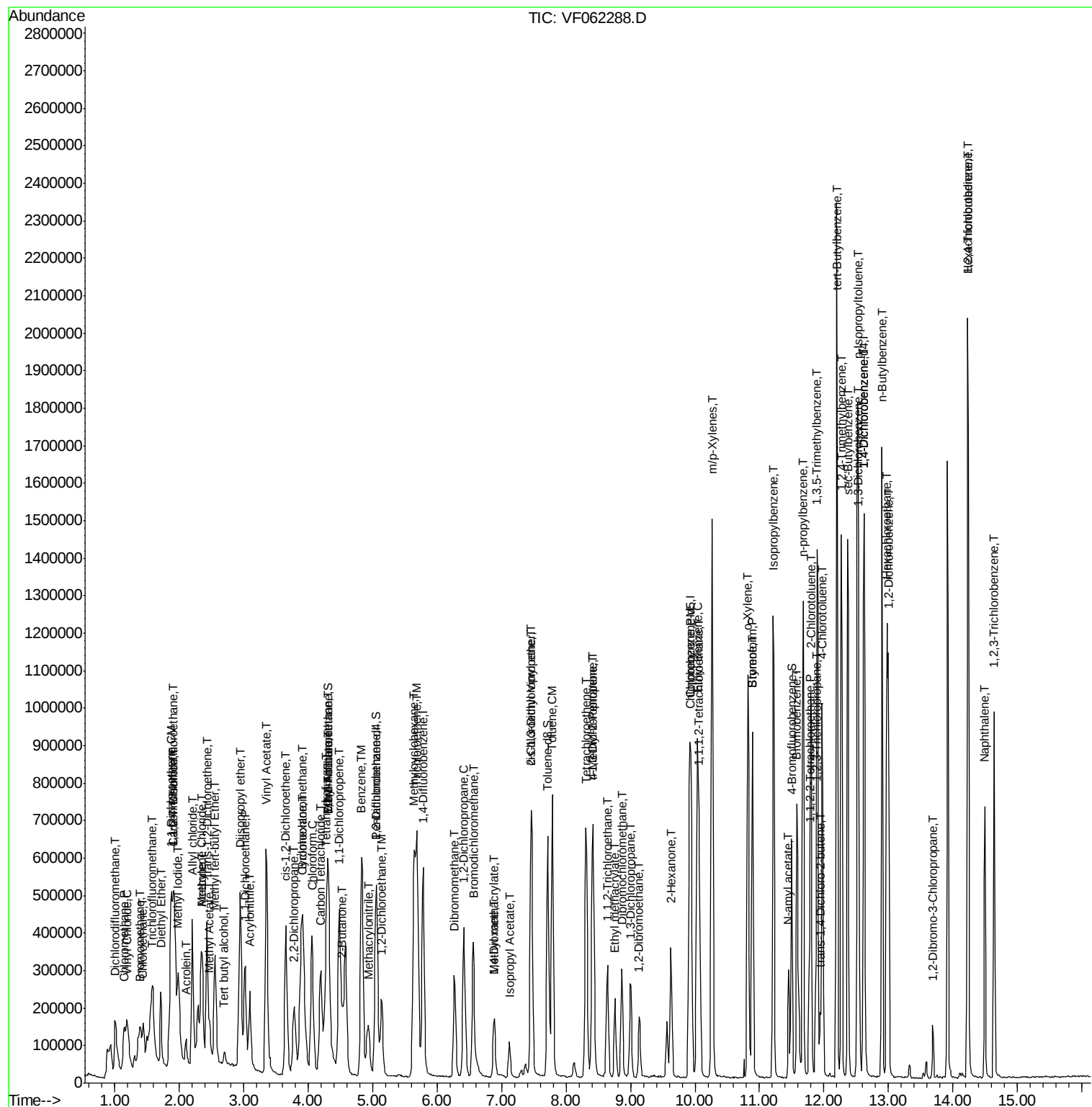
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	338478	52.276	ug/l	100
94) Hexachlorobutadiene	14.23	225	259943	55.824	ug/l	99
95) Naphthalene	14.50	128	514159	51.257	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	319614	52.193	ug/l	100

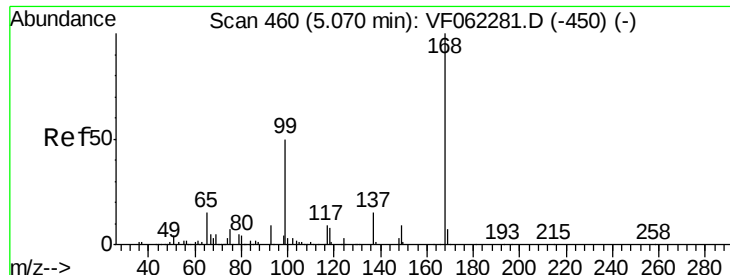
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 460

Delta R.T. -0.01 min

Lab File: VF062288.D

Acq: 25 Apr 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

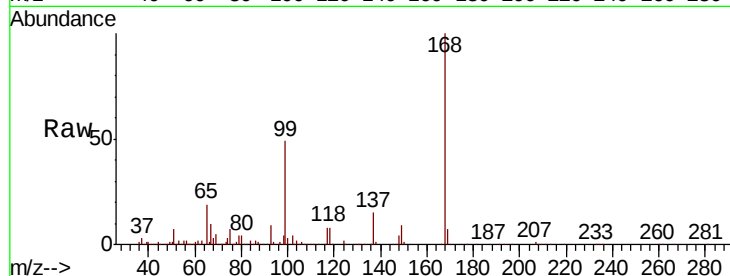
VSTDCCC050

Tot Ion:168 Resp: 465674

Ion Ratio Lower Upper

168 100

99 49.4 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.06

150000

100000

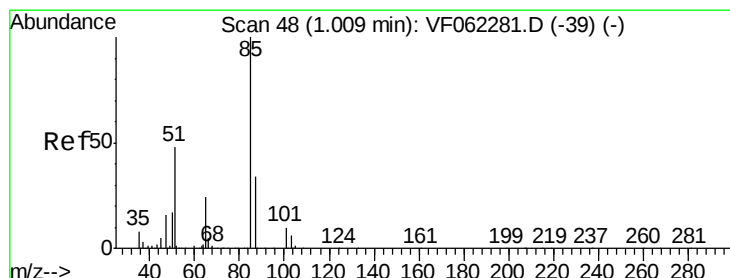
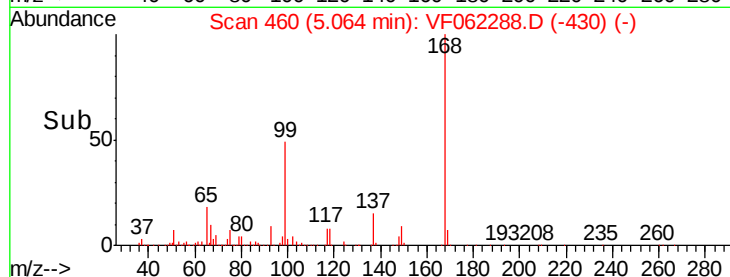
50000

0

Time-->

5.00

5.20



#2

Dichlorodifluoromethane

Concen: 50.480 ug/l

RT: 1.00 min Scan# 48

Delta R.T. -0.01 min

Lab File: VF062288.D

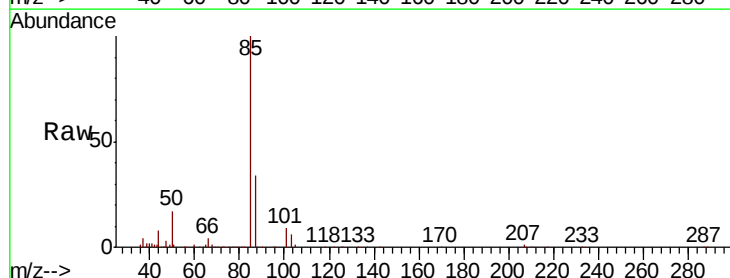
Acq: 25 Apr 2019 12:38

Tgt Ion: 85 Resp: 279356

Ion Ratio Lower Upper

85 100

87 34.2 17.1 51.3



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.00

80000

60000

40000

20000

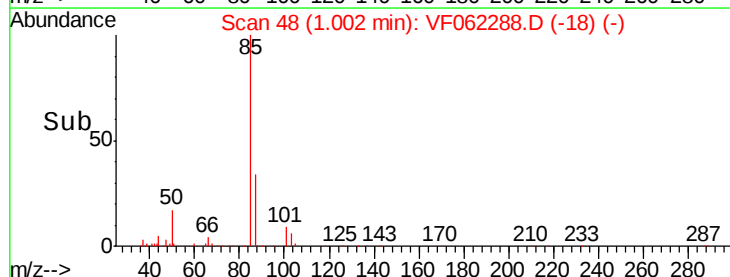
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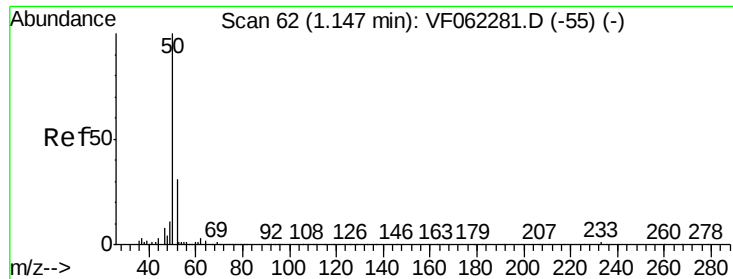
Time-->

0.80

1.00

1.20





#3

Chloromethane

Concen: 50.273 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF062288.D

Acq: 25 Apr 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

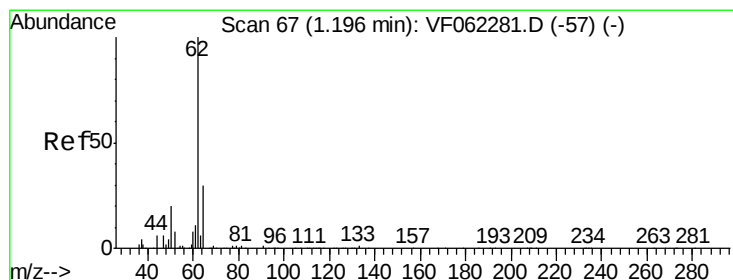
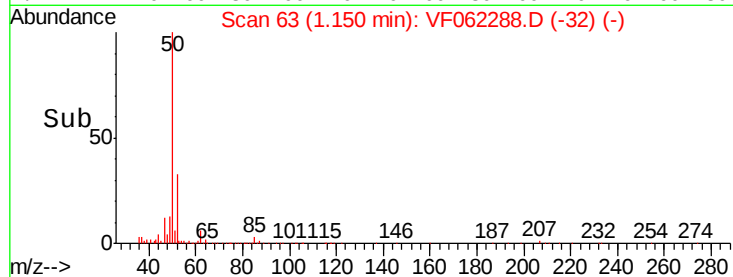
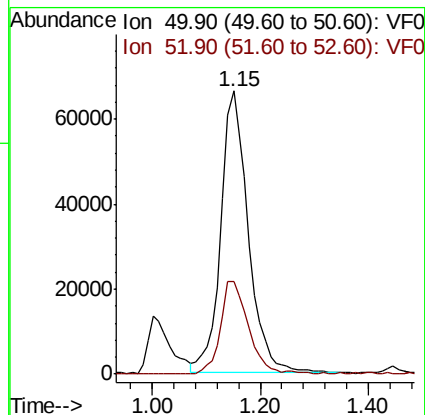
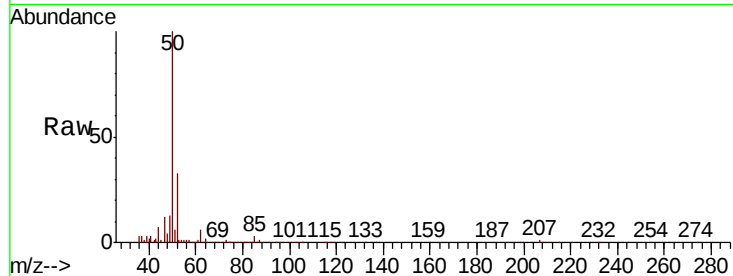
VSTDCCC050

Tot Ion: 50 Resp: 234372

Ion Ratio Lower Upper

50 100

52 32.5 24.2 36.4



#4

Vinyl Chloride

Concen: 50.651 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.01 min

Lab File: VF062288.D

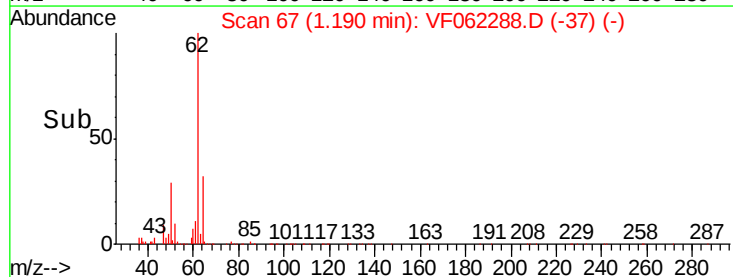
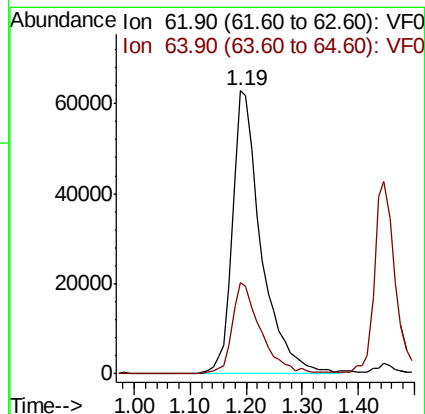
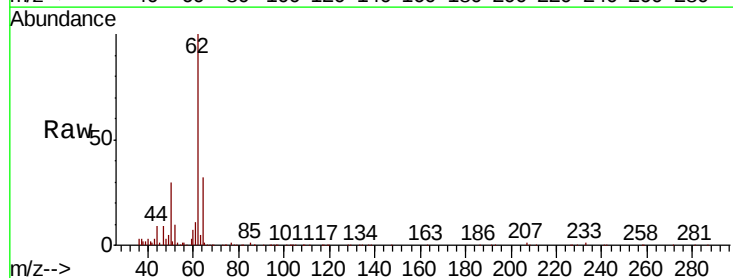
Acq: 25 Apr 2019 12:38

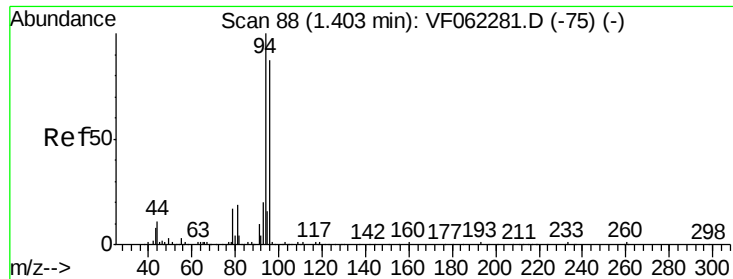
Tgt Ion: 62 Resp: 223640

Ion Ratio Lower Upper

62 100

64 32.3 24.3 36.5





#5

Bromomethane

Concen: 52.988 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF062288.D

Acq: 25 Apr 2019 12:38

Instrument :

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ClientSampleId :

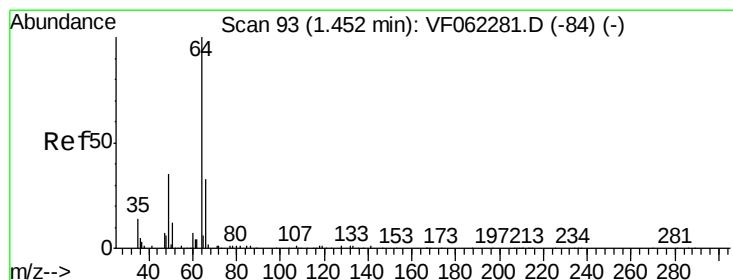
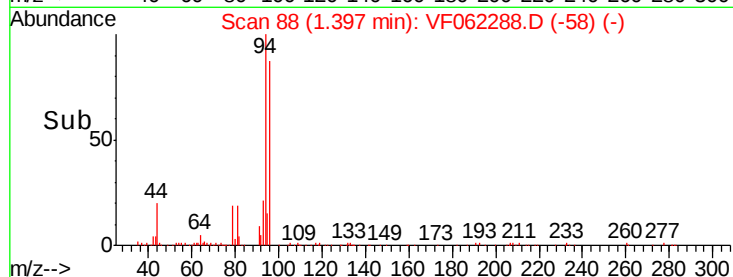
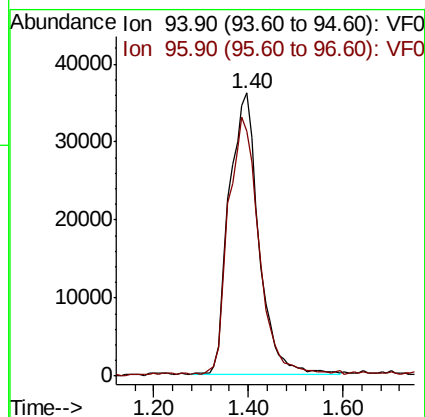
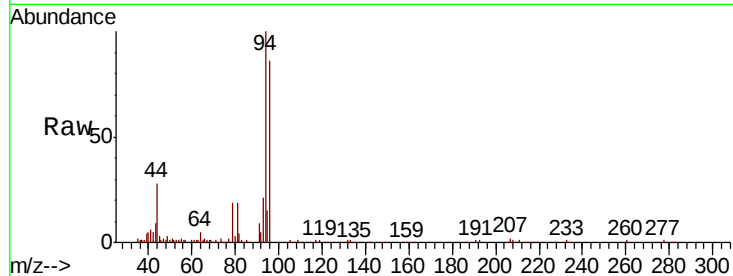
VSTDCCC050

Tot Ion: 94 Resp: 158881

Ion Ratio Lower Upper

94 100

96 85.8 69.5 104.3



#6

Chloroethane

Concen: 57.169 ug/l

RT: 1.45 min Scan# 93

Delta R.T. -0.01 min

Lab File: VF062288.D

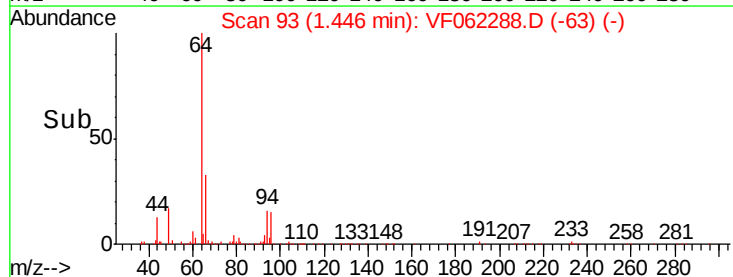
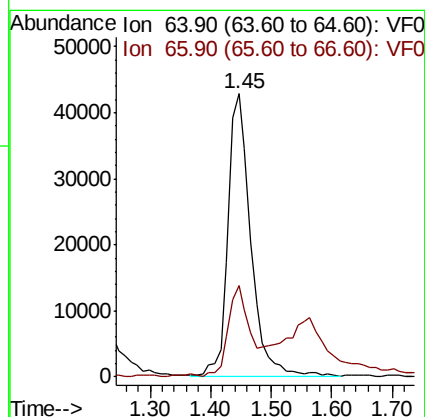
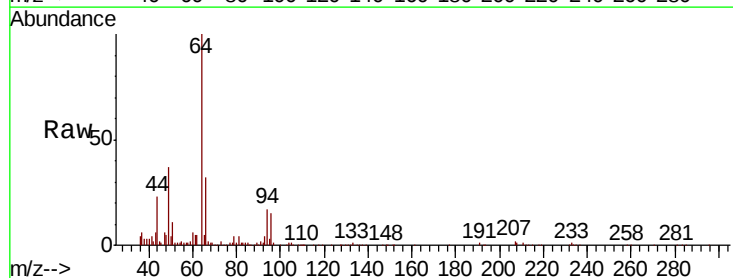
Acq: 25 Apr 2019 12:38

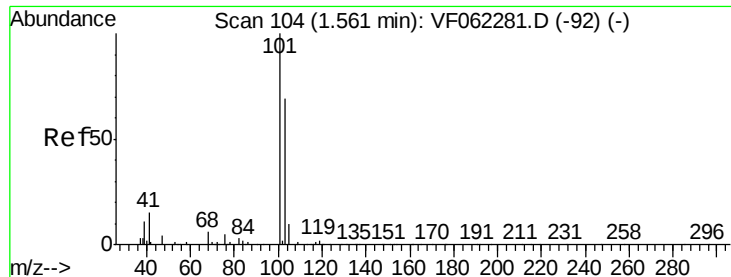
Tgt Ion: 64 Resp: 110653

Ion Ratio Lower Upper

64 100

66 31.3 26.0 39.0



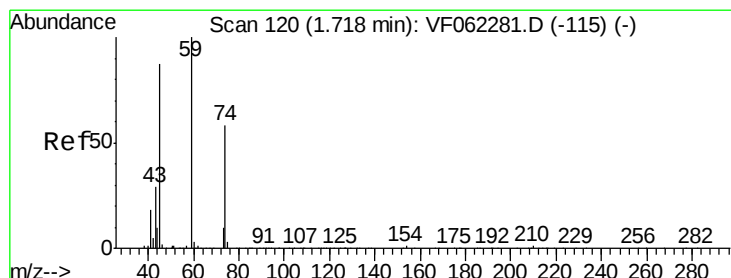
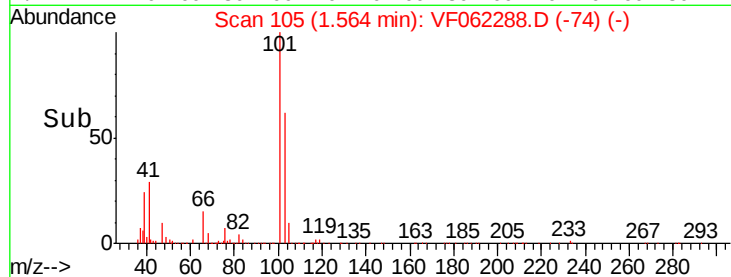
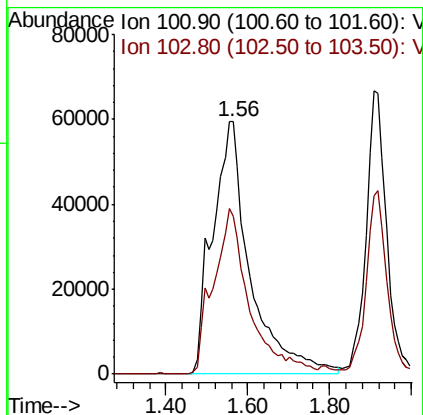
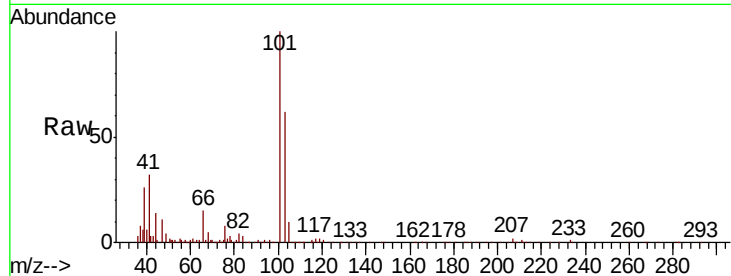


#7

Trichlorofluoromethane
Concen: 54.185 ug/l
RT: 1.56 min Scan# 105
Delta R.T. 0.00 min
Lab File: VF062288.D
Acq: 25 Apr 2019 12:38

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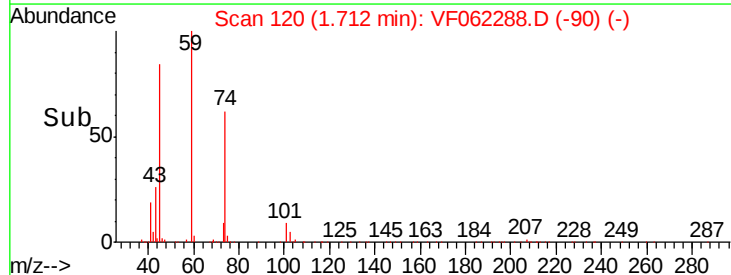
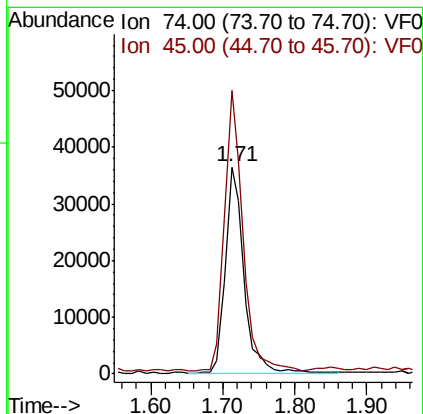
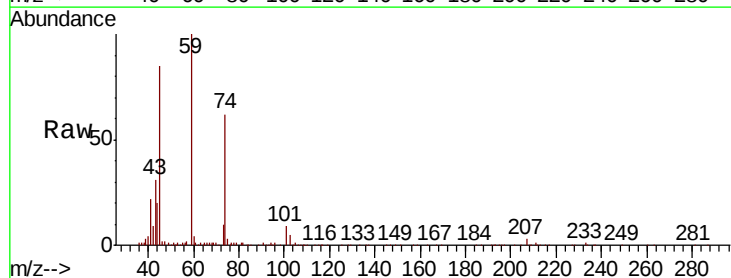
Tot Ion:101 Resp: 380167
Ion Ratio Lower Upper
101 100
103 62.0 55.0 82.6

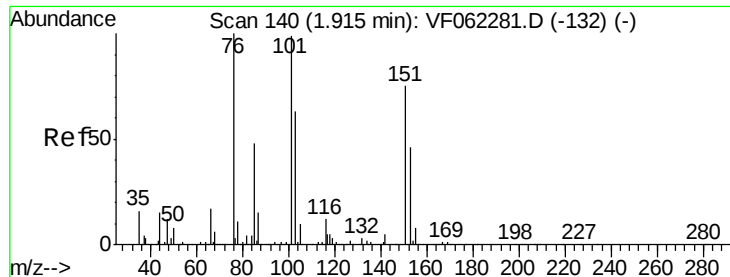


#8

Diethyl Ether
Concen: 50.894 ug/l
RT: 1.71 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF062288.D
Acq: 25 Apr 2019 12:38

Tgt Ion: 74 Resp: 64690
Ion Ratio Lower Upper
74 100
45 135.3 74.0 222.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.370 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062288.D

Acq: 25 Apr 2019 12:38

Instrument :

MSVOA_F

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VSTDCCC050

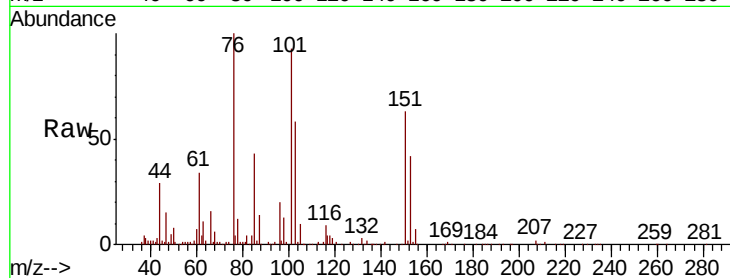
Tot Ion:101 Resp: 230588

Ion Ratio Lower Upper

101 100

85 46.3 36.5 54.7

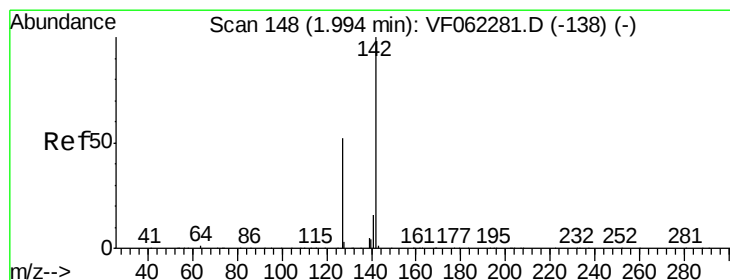
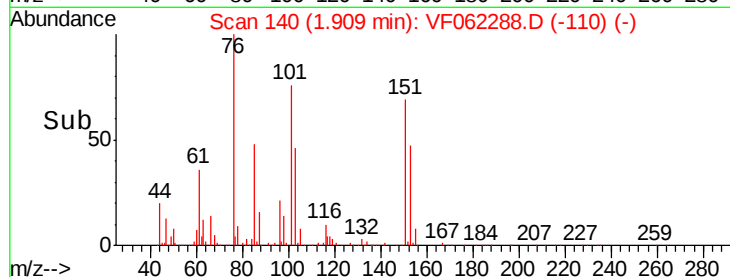
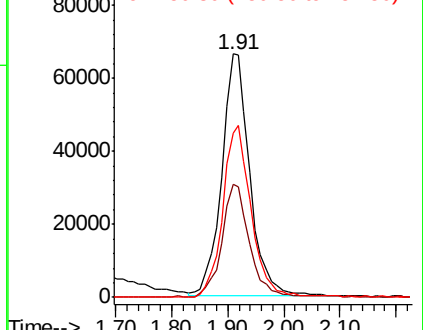
151 71.5 59.2 88.8



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: 52.181 ug/l

RT: 1.99 min Scan# 148

Delta R.T. -0.01 min

Lab File: VF062288.D

Acq: 25 Apr 2019 12:38

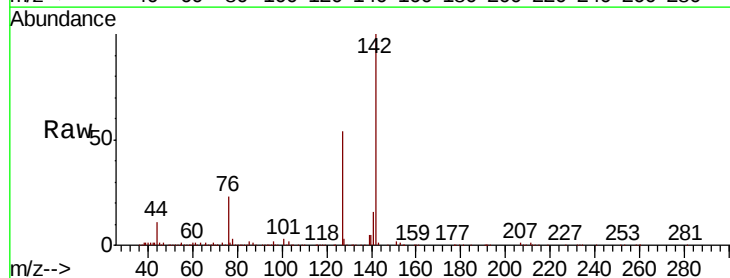
Tgt Ion:142 Resp: 401607

Ion Ratio Lower Upper

142 100

127 54.1 43.0 64.4

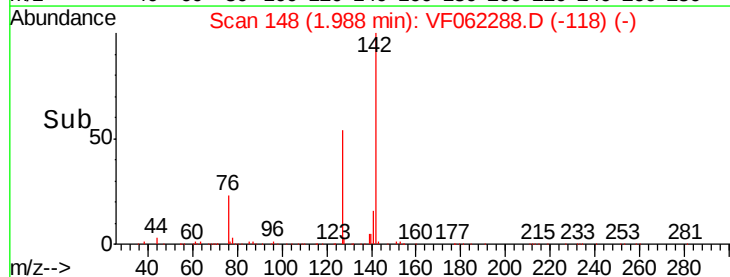
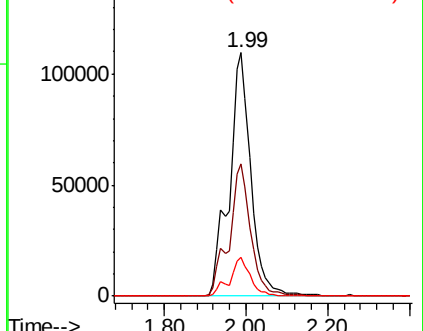
141 15.5 12.3 18.5

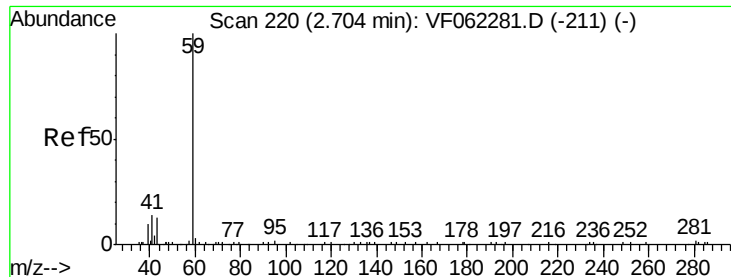


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



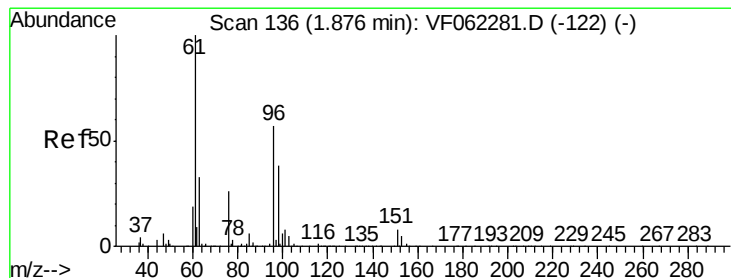
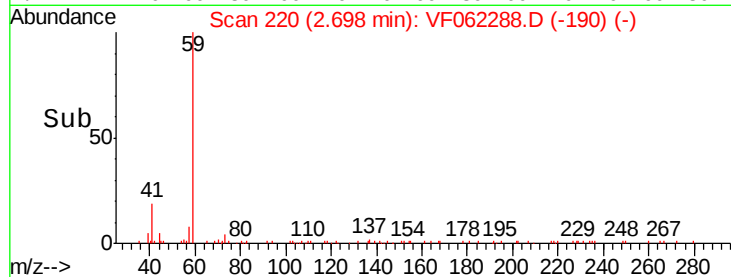
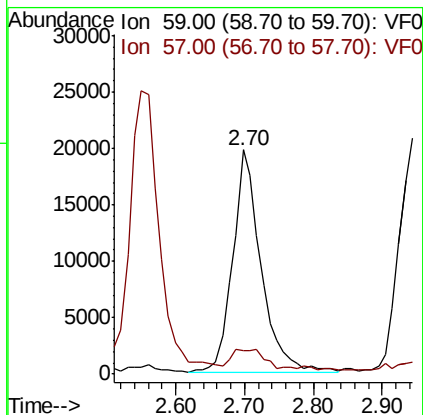
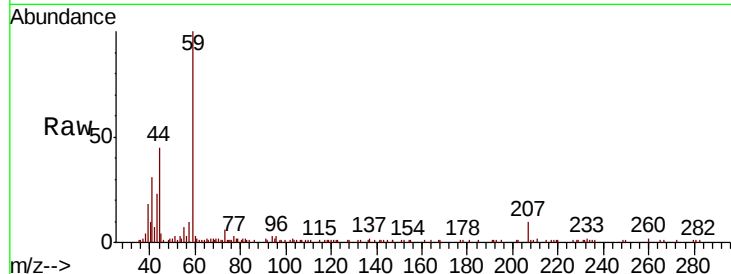


#11

Tert butyl alcohol
 Concen: 245.668 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VF062288.D
 Acq: 25 Apr 2019 12:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

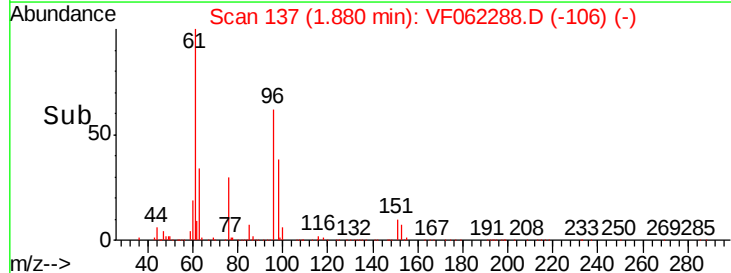
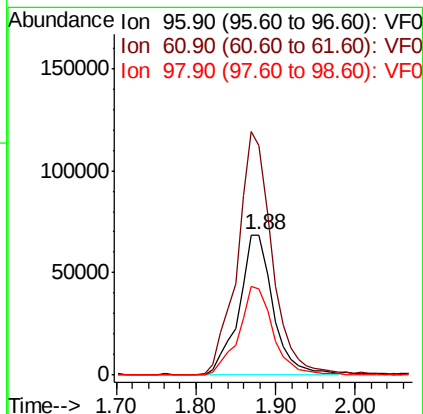
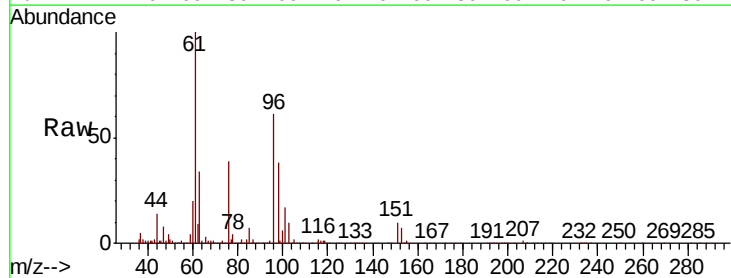
Tot Ion: 59 Resp: 56055
 Ion Ratio Lower Upper
 59 100
 57 9.0 8.8 13.2

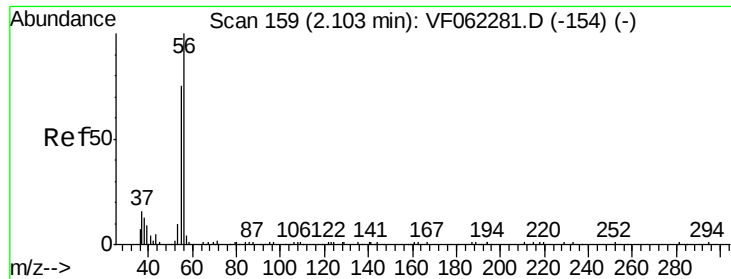


#12

1,1-Dichloroethene
 Concen: 50.958 ug/l
 RT: 1.88 min Scan# 137
 Delta R.T. 0.00 min
 Lab File: VF062288.D
 Acq: 25 Apr 2019 12:38

Tgt Ion: 96 Resp: 200197
 Ion Ratio Lower Upper
 96 100
 61 163.9 141.1 211.7
 98 61.7 53.4 80.0

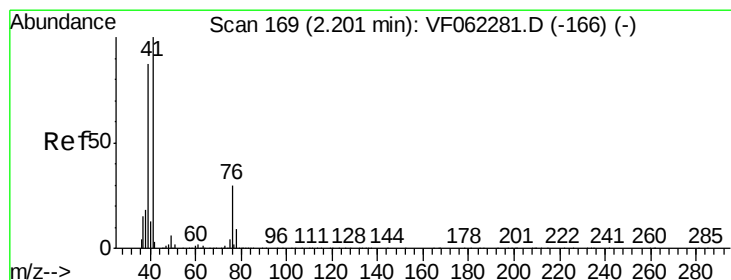
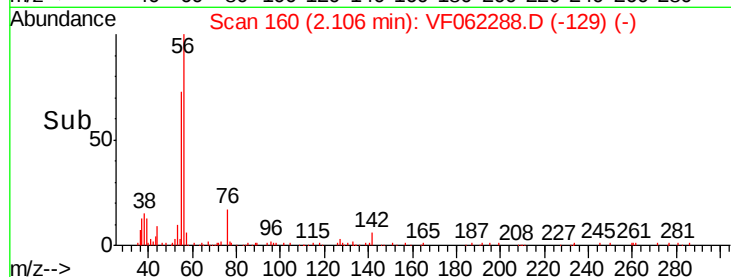
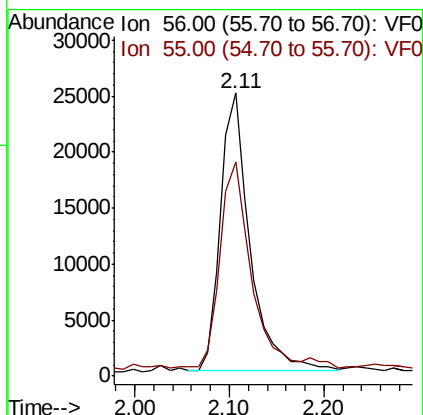
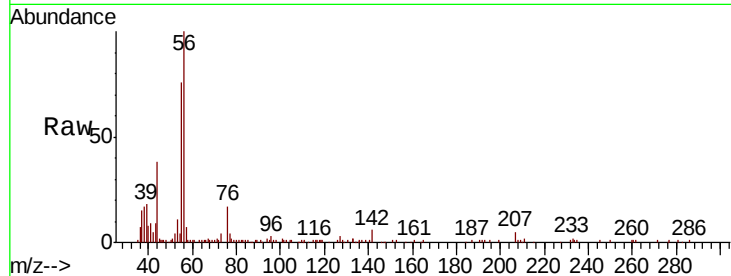




#13
Acrolein
Concen: 251.632 ug/l
RT: 2.11 min Scan# 160
Delta R.T. 0.00 min
Lab File: VF062288.D
Acq: 25 Apr 2019 12:38

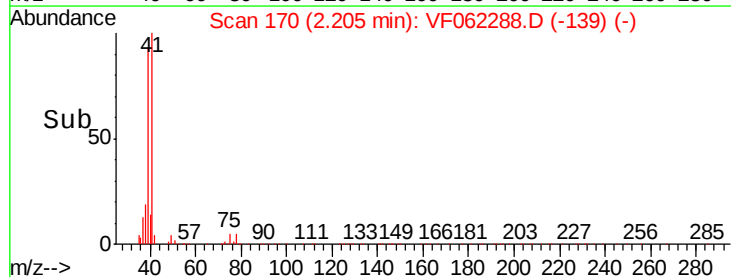
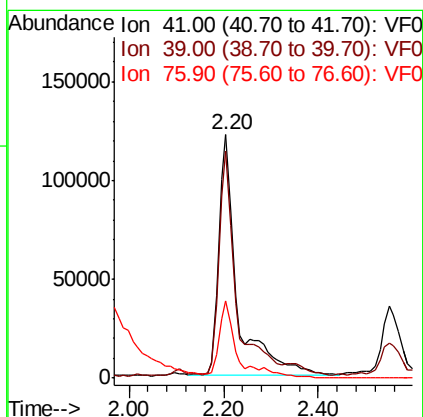
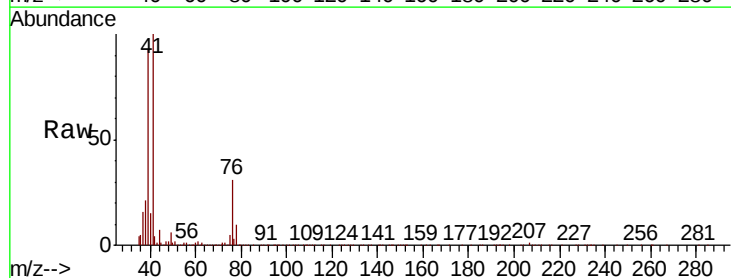
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

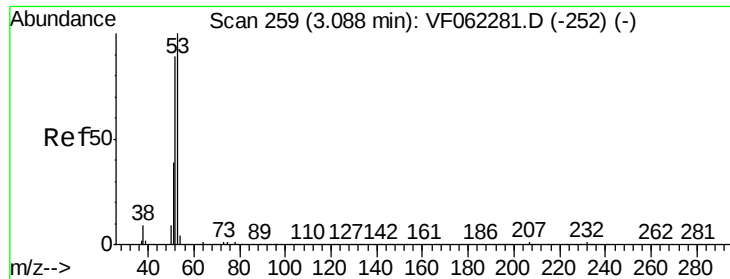
Tot Ion: 56 Resp: 53842
Ion Ratio Lower Upper
56 100
55 74.9 62.3 93.5



#14
Allyl chloride
Concen: 78.337 ug/l
RT: 2.20 min Scan# 170
Delta R.T. 0.00 min
Lab File: VF062288.D
Acq: 25 Apr 2019 12:38

Tgt Ion: 41 Resp: 334936
Ion Ratio Lower Upper
41 100
39 83.6 50.3 75.5#
76 29.5 14.8 22.2#





#15

Acrylonitrile

Concen: 261.992 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF062288.D

Acq: 25 Apr 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

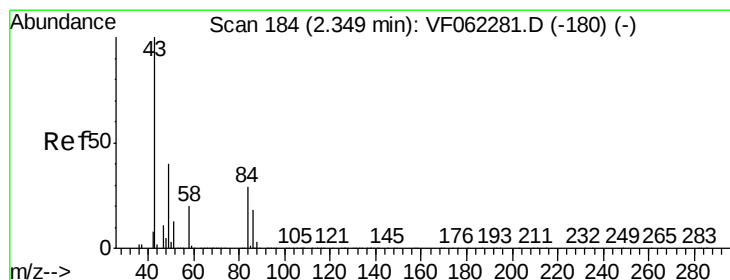
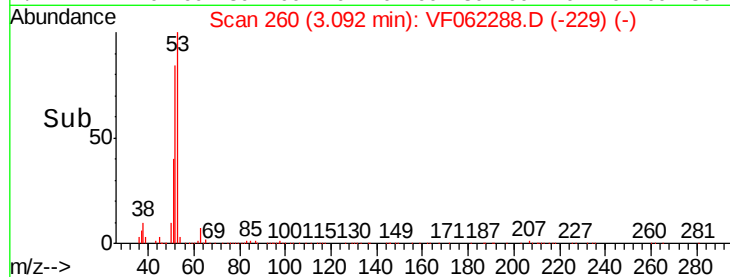
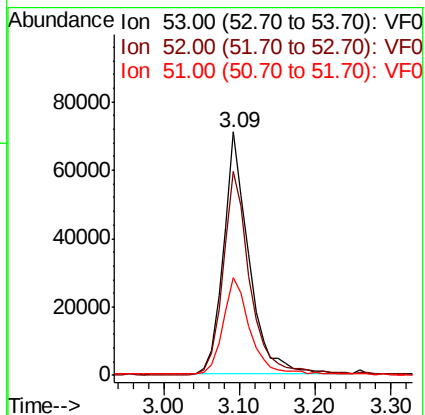
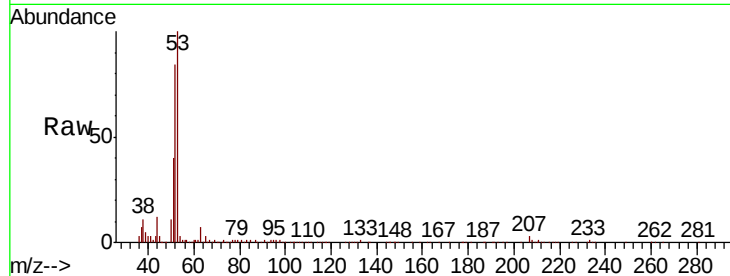
Tot Ion: 53 Resp: 165571

Ion Ratio Lower Upper

53 100

52 91.3 70.6 105.8

51 41.6 32.6 48.8



#16

Acetone

Concen: 293.707 ug/l

RT: 2.35 min Scan# 185

Delta R.T. 0.00 min

Lab File: VF062288.D

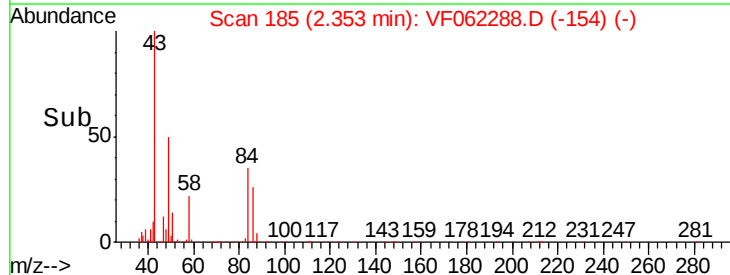
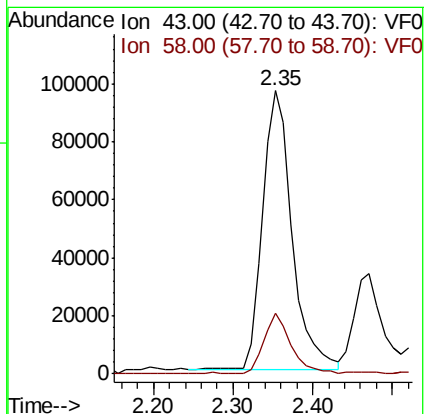
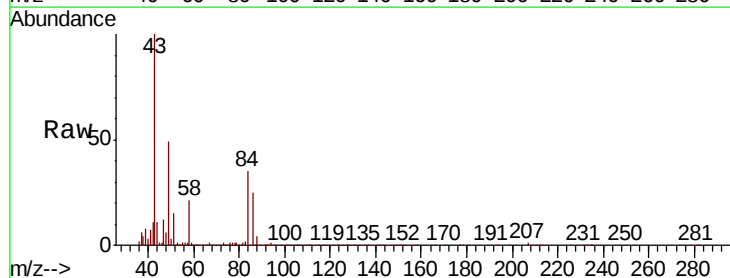
Acq: 25 Apr 2019 12:38

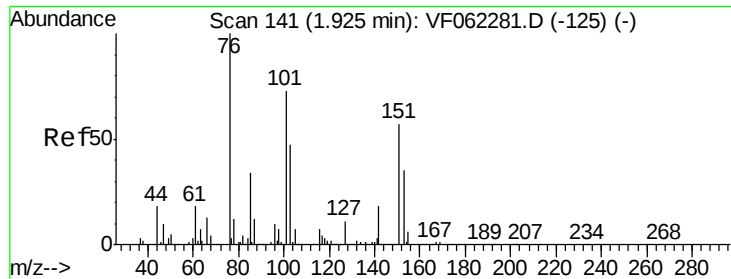
Tgt Ion: 43 Resp: 248047

Ion Ratio Lower Upper

43 100

58 21.7 16.4 24.6

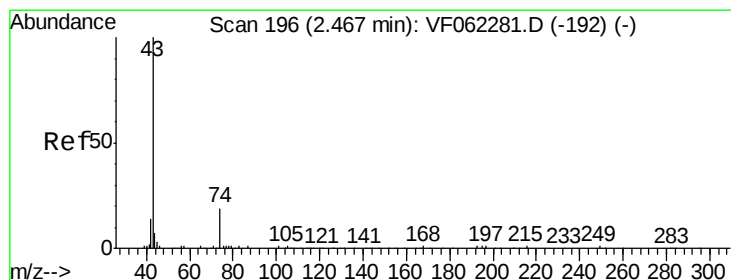
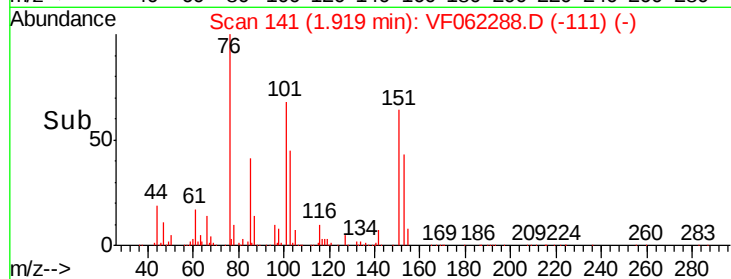
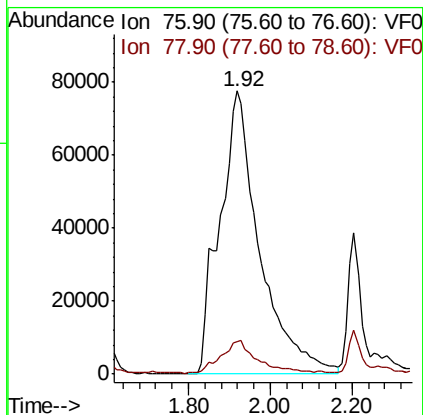
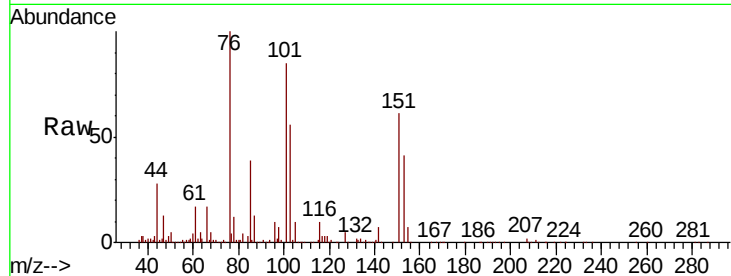




#17
Carbon Disulfide
Concen: 50.921 ug/l
RT: 1.92 min Scan# 141
Delta R.T. -0.01 min
Lab File: VF062288.D
Acq: 25 Apr 2019 12:38

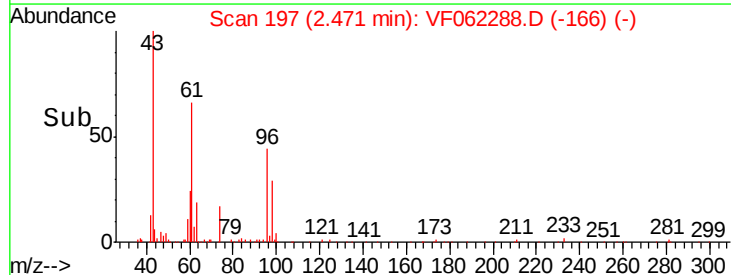
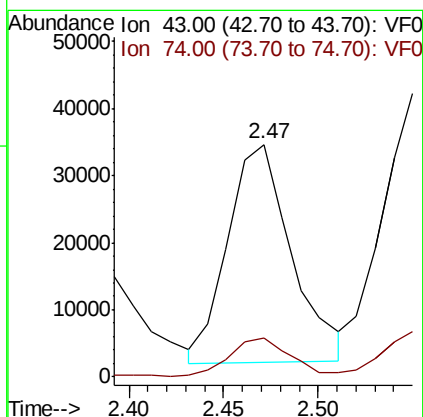
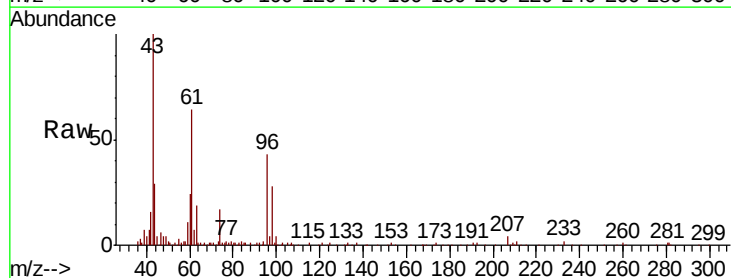
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

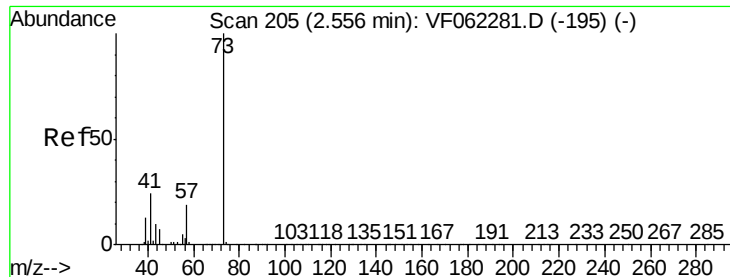
Tot Ion: 76 Resp: 526495
Ion Ratio Lower Upper
76 100
78 11.1 9.8 14.8



#18
Methyl Acetate
Concen: 48.327 ug/l
RT: 2.47 min Scan# 197
Delta R.T. 0.00 min
Lab File: VF062288.D
Acq: 25 Apr 2019 12:38

Tgt Ion: 43 Resp: 76051
Ion Ratio Lower Upper
43 100
74 16.4 14.4 21.6



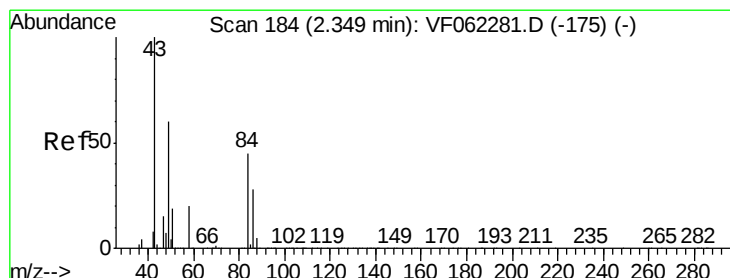
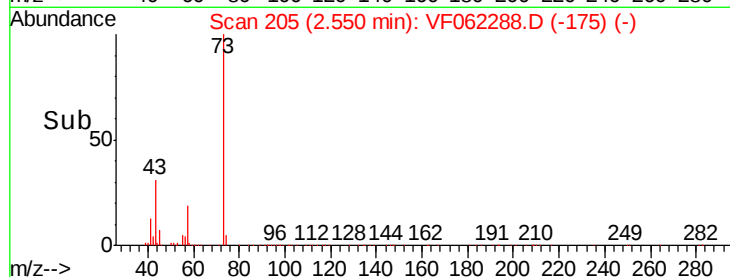
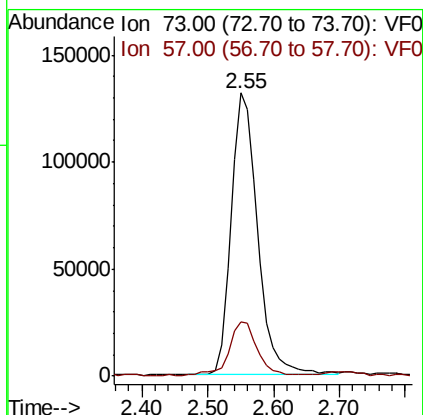
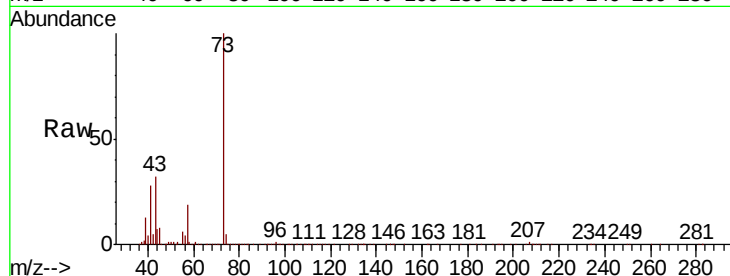


#19

Methyl tert-butyl Ether
 Concen: 49.768 ug/l
 RT: 2.55 min Scan# 205
 Delta R.T. -0.01 min
 Lab File: VF062288.D
 Acq: 25 Apr 2019 12:38

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDCCC050

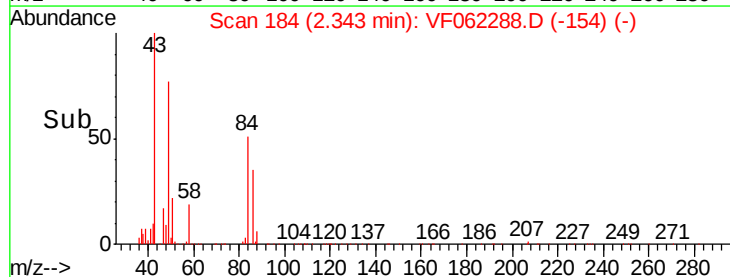
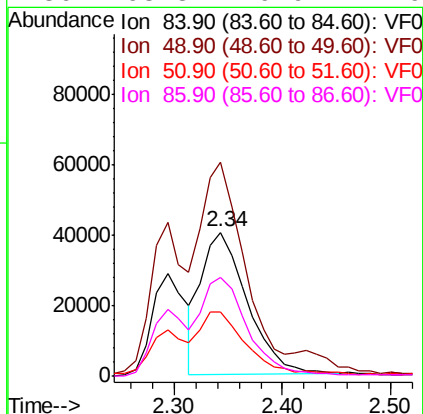
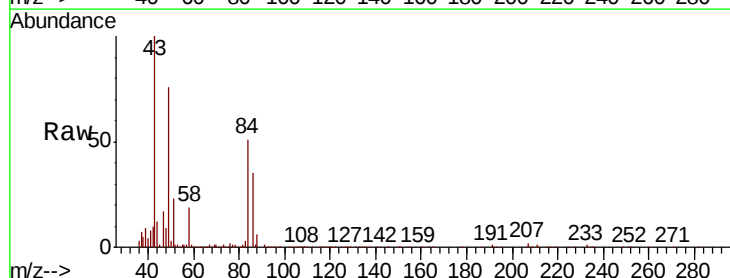
Tot Ion: 73 Resp: 372746
 Ion Ratio Lower Upper
 73 100
 57 18.7 15.5 23.3

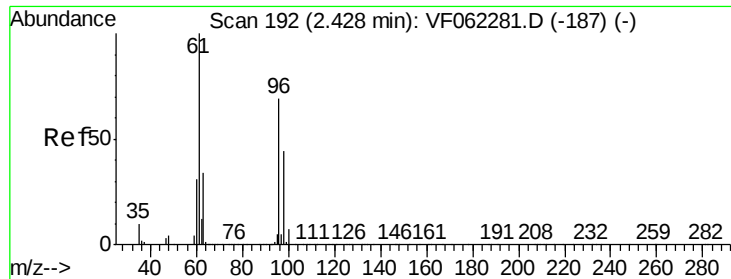


#20

Methylene Chloride
 Concen: 30.835 ug/l
 RT: 2.34 min Scan# 184
 Delta R.T. -0.01 min
 Lab File: VF062288.D
 Acq: 25 Apr 2019 12:38

Tgt Ion: 84 Resp: 118479
 Ion Ratio Lower Upper
 84 100
 49 145.2 112.1 168.1
 51 43.0 35.9 53.9
 86 68.8 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 49.425 ug/l

RT: 2.43 min Scan# 193

Delta R.T. 0.00 min

Lab File: VF062288.D

Acq: 25 Apr 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

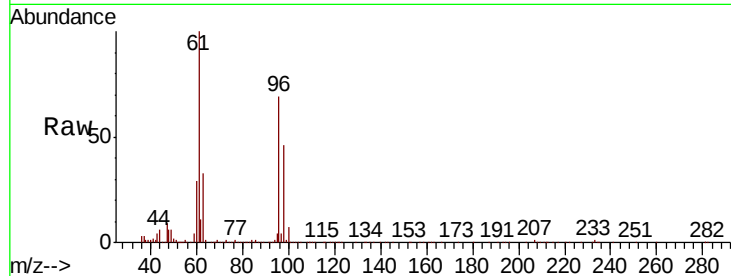
Tot Ion: 96 Resp: 191891

Ion Ratio Lower Upper

96 100

61 145.4 116.2 174.2

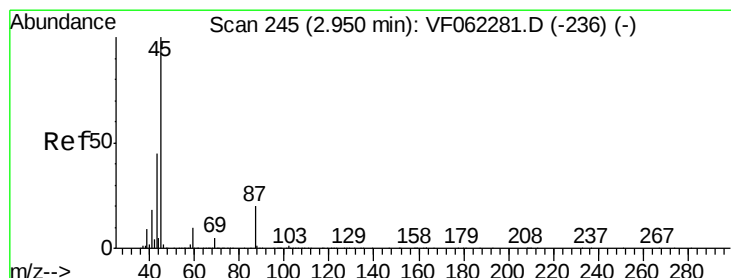
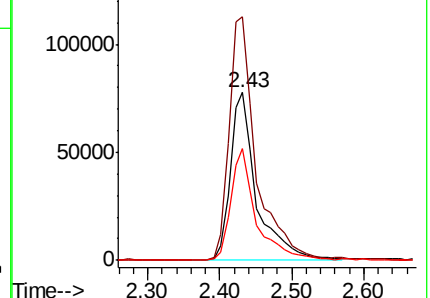
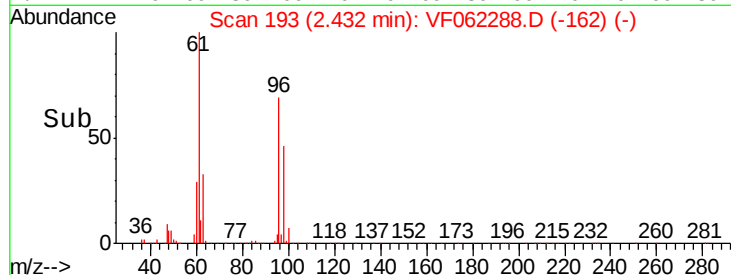
98 66.4 51.4 77.0



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: 50.443 ug/l

RT: 2.94 min Scan# 245

Delta R.T. -0.01 min

Lab File: VF062288.D

Acq: 25 Apr 2019 12:38

Tgt Ion: 45 Resp: 580600

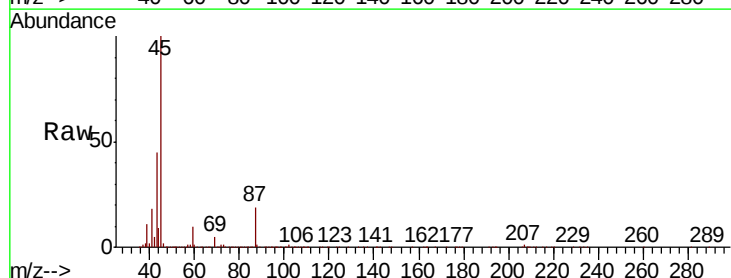
Ion Ratio Lower Upper

45 100

43 43.8 36.2 54.2

87 18.8 15.8 23.6

59 10.1 7.8 11.8

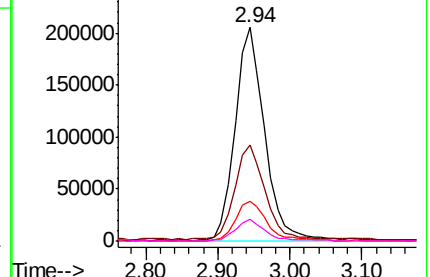
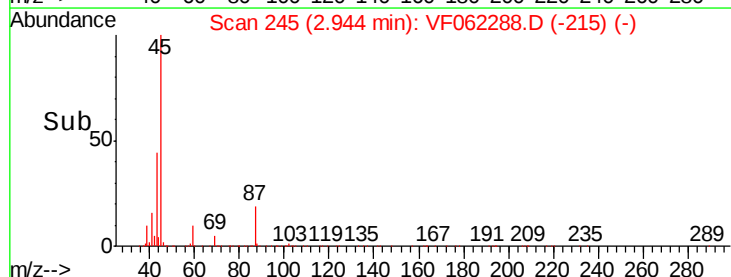


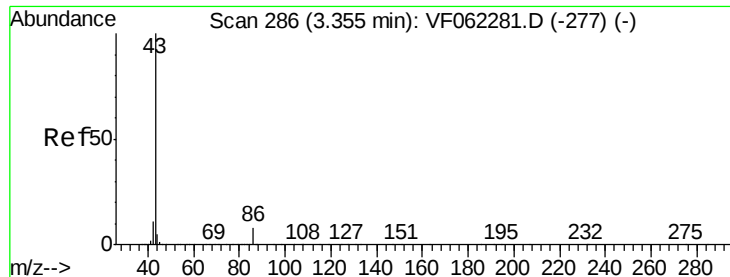
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 249.521 ug/l

RT: 3.35 min Scan# 286

Delta R.T. -0.01 min

Lab File: VF062288.D

Acq: 25 Apr 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

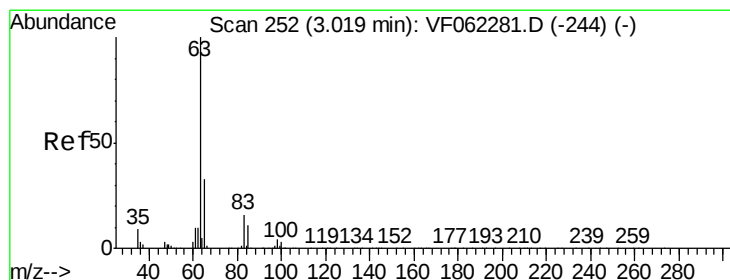
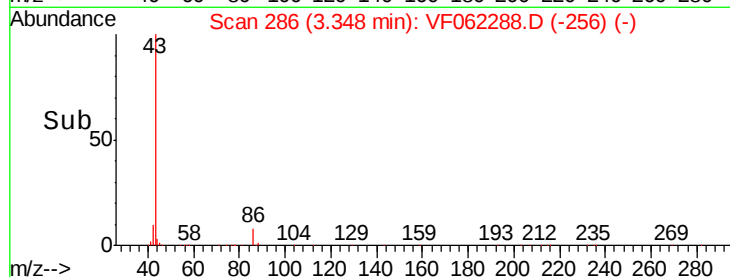
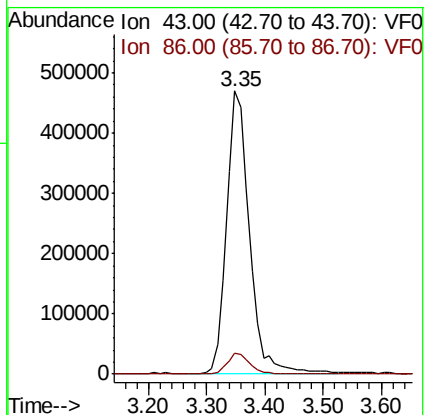
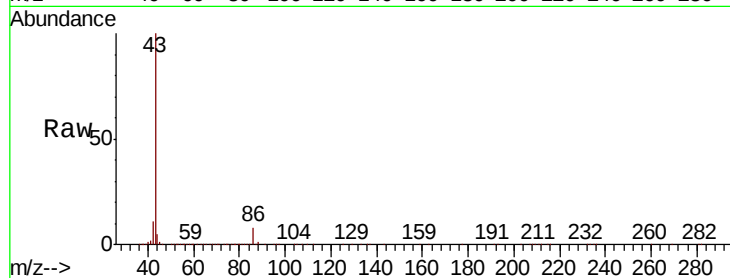
VSTDCCC050

Tot Ion: 43 Resp: 1273578

Ion Ratio Lower Upper

43 100

86 7.6 6.0 9.0



#24

1,1-Dichloroethane

Concen: 51.979 ug/l

RT: 3.02 min Scan# 253

Delta R.T. 0.00 min

Lab File: VF062288.D

Acq: 25 Apr 2019 12:38

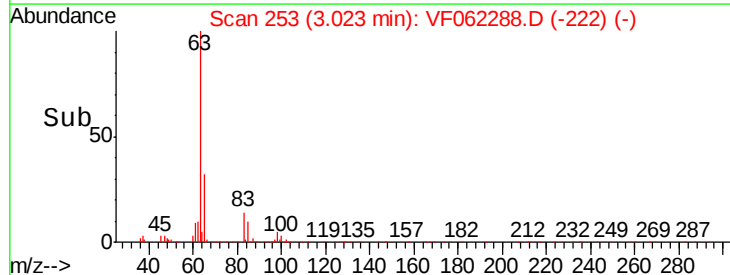
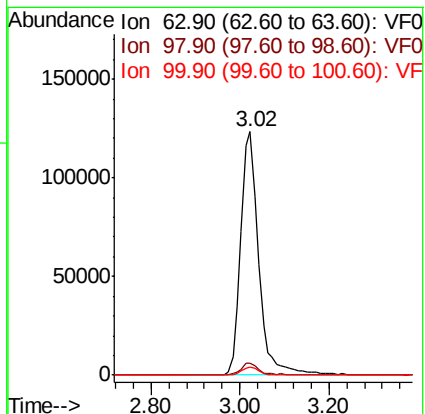
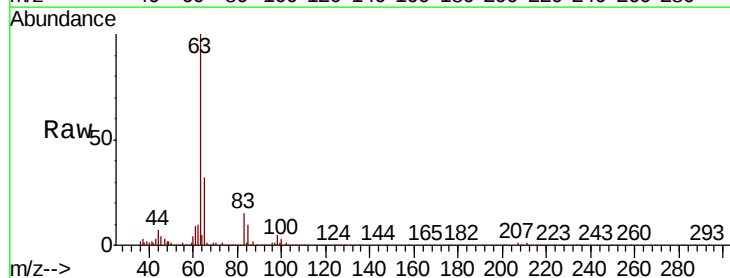
Tgt Ion: 63 Resp: 341480

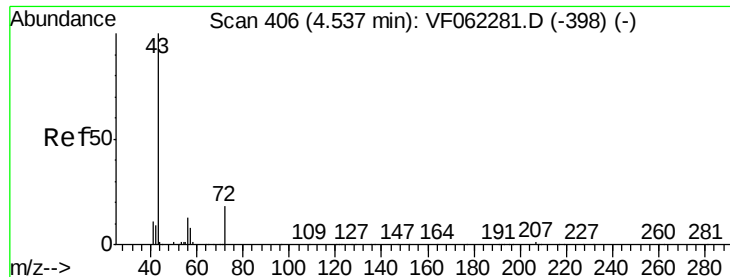
Ion Ratio Lower Upper

63 100

98 4.9 2.1 6.2

100 3.4 1.5 4.5





#25

2-Butanone

Concen: 255.192 ug/l

RT: 4.53 min Scan# 406

Delta R.T. -0.01 min

Lab File: VF062288.D

Acq: 25 Apr 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

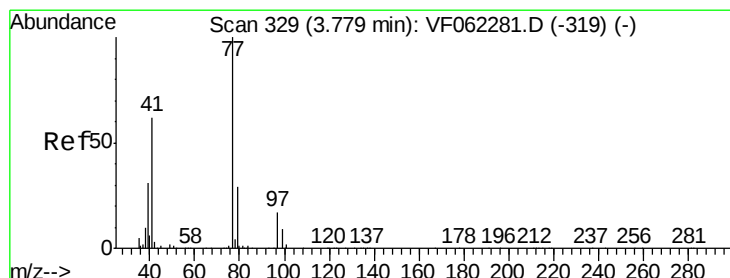
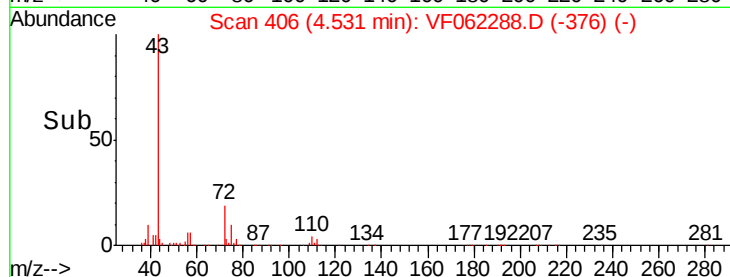
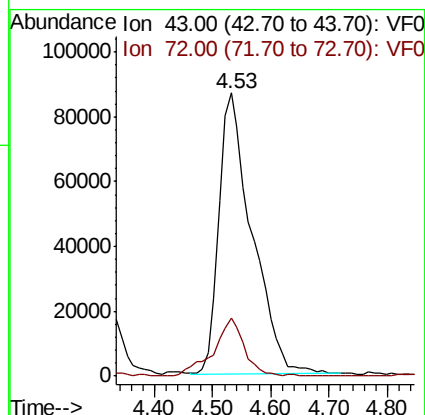
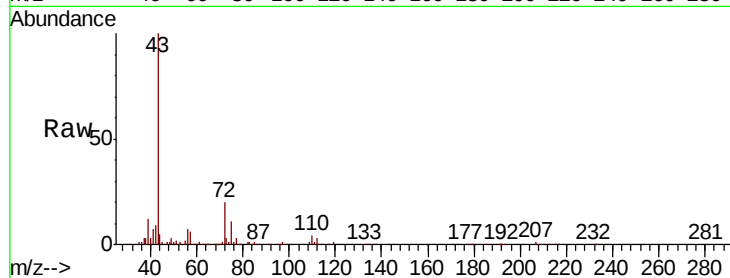
VSTDCCC050

Tot Ion: 43 Resp: 341731

Ion Ratio Lower Upper

43 100

72 20.6 15.8 23.6



#26

2,2-Dichloropropane

Concen: 55.122 ug/l

RT: 3.78 min Scan# 330

Delta R.T. 0.00 min

Lab File: VF062288.D

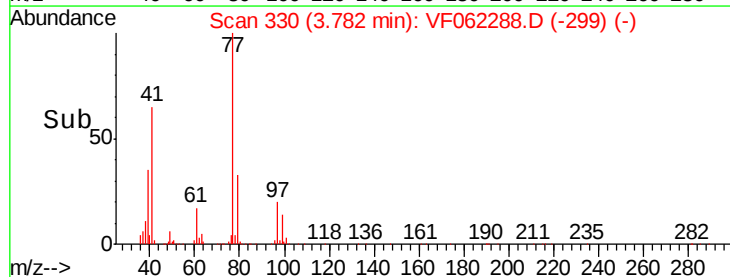
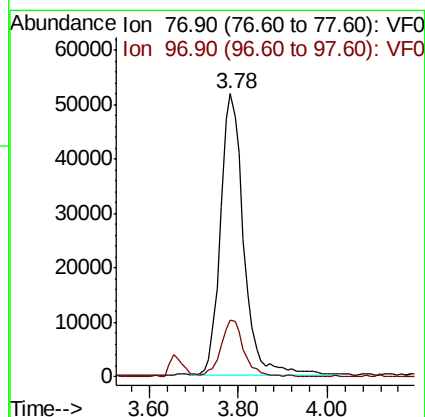
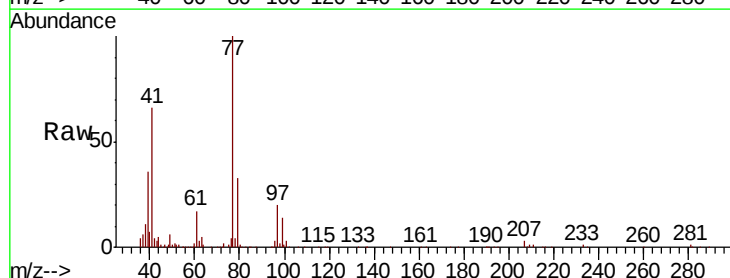
Acq: 25 Apr 2019 12:38

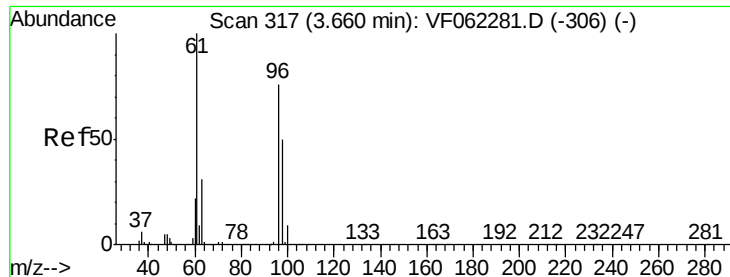
Tgt Ion: 77 Resp: 188053

Ion Ratio Lower Upper

77 100

97 20.4 10.3 30.8



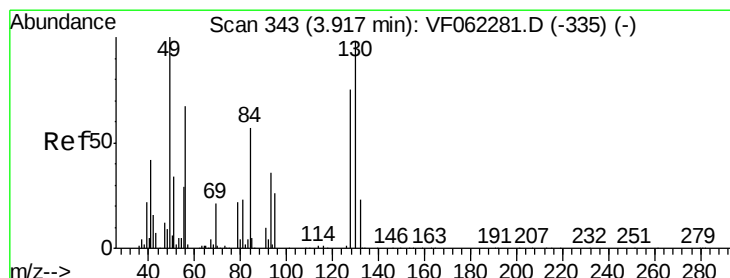
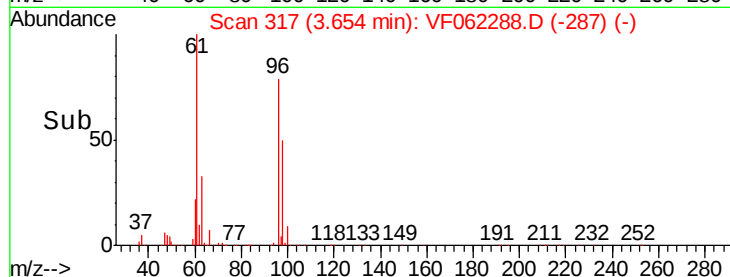
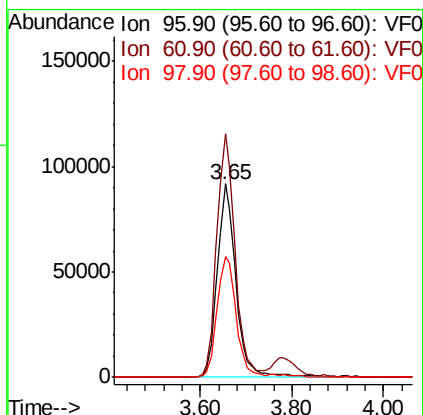
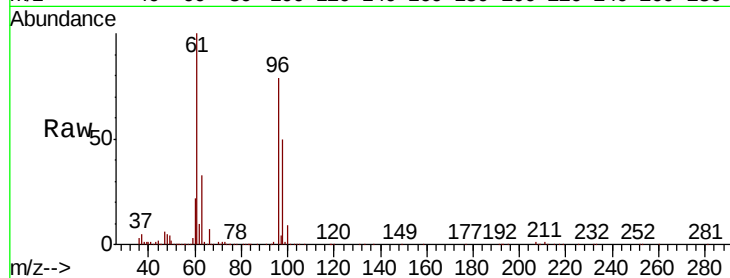


#27

cis-1,2-Dichloroethene
 Concen: 51.521 ug/l
 RT: 3.65 min Scan# 317
 Delta R.T. -0.01 min
 Lab File: VF062288.D
 Acq: 25 Apr 2019 12:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

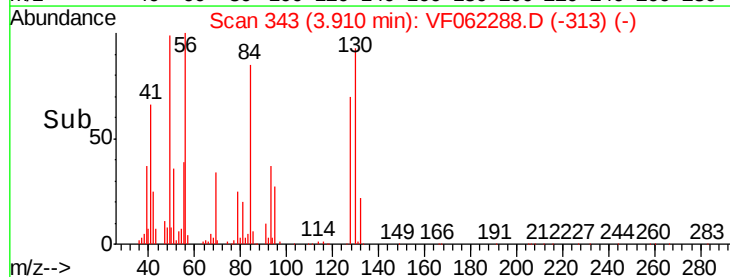
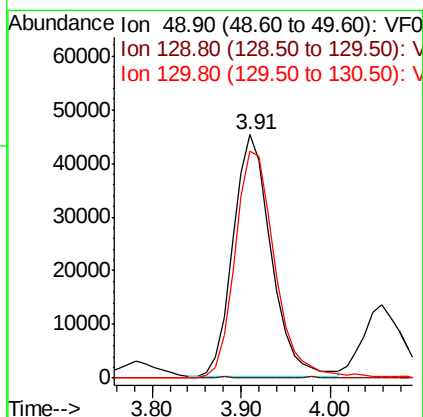
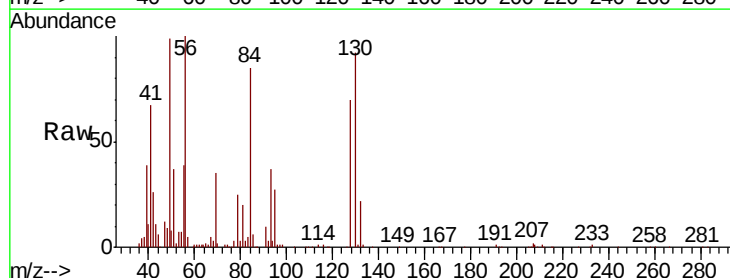
Tot Ion	96	Resp	253312
Ion	Ratio	Lower	Upper
96	100		
61	124.6	0.0	257.6
98	64.3	0.0	137.4

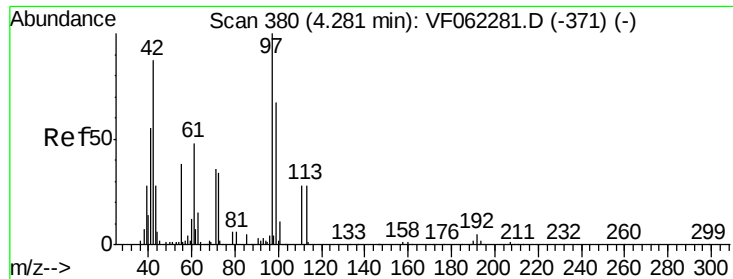


#28

Bromochloromethane
 Concen: 48.283 ug/l
 RT: 3.91 min Scan# 343
 Delta R.T. -0.01 min
 Lab File: VF062288.D
 Acq: 25 Apr 2019 12:38

Tgt Ion	49	Resp	133668
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	99.1	77.0	115.4

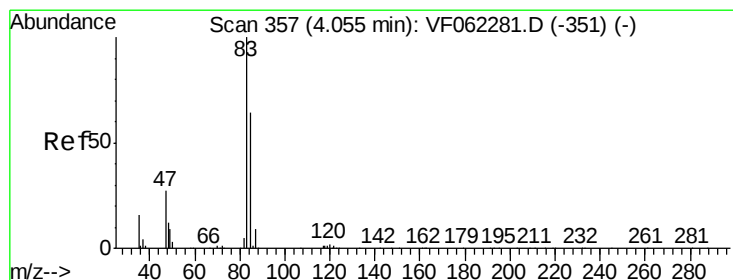
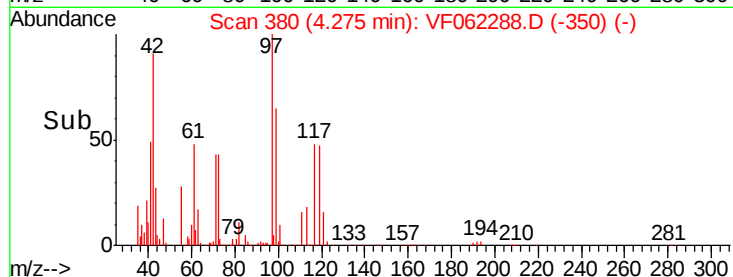
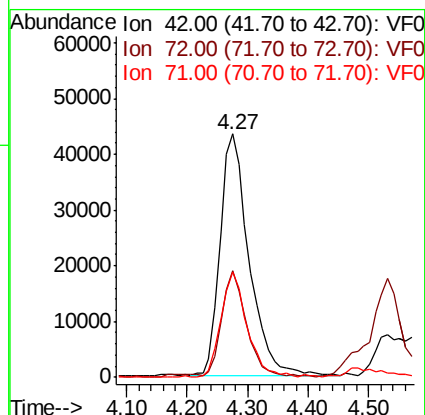
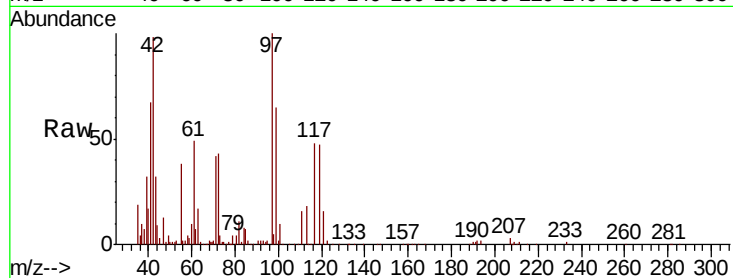




#29
Tetrahydrofuran
Concen: 245.057 ug/l
RT: 4.27 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF062288.D
Acq: 25 Apr 2019 12:38

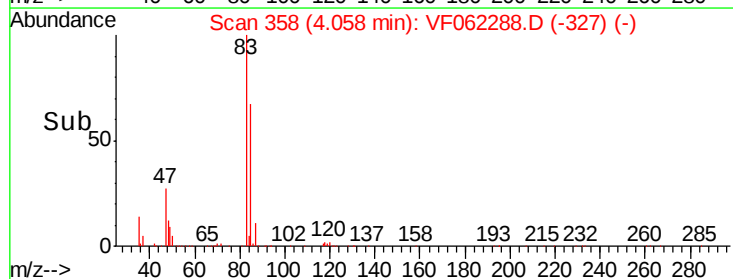
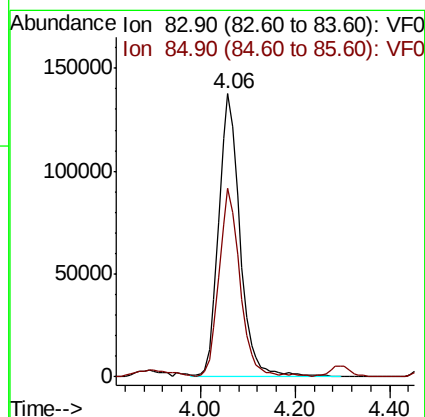
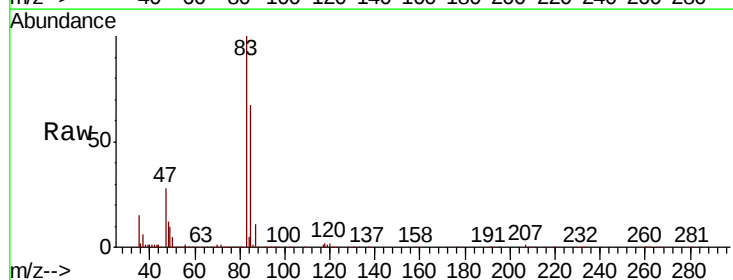
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

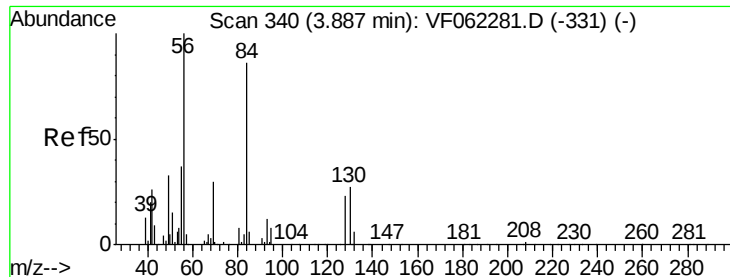
Tot Ion: 42 Resp: 144192
Ion Ratio Lower Upper
42 100
72 36.5 29.3 43.9
71 39.3 31.2 46.8



#30
Chloroform
Concen: 51.994 ug/l
RT: 4.06 min Scan# 358
Delta R.T. 0.00 min
Lab File: VF062288.D
Acq: 25 Apr 2019 12:38

Tgt Ion: 83 Resp: 428915
Ion Ratio Lower Upper
83 100
85 66.3 51.1 76.7

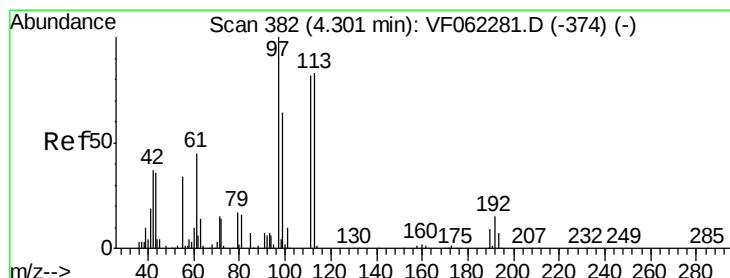
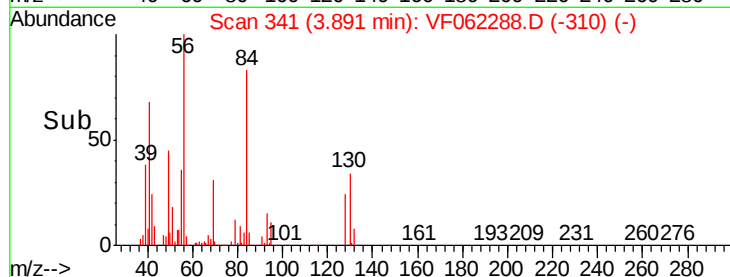
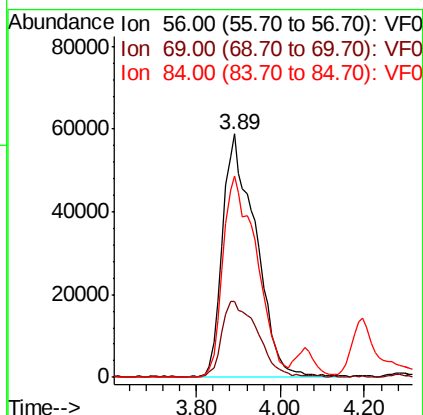
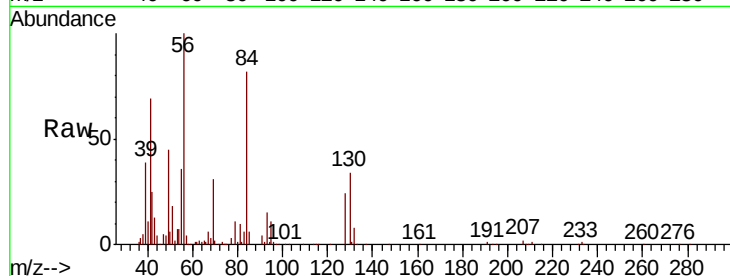




#31
Cyclohexane
Concen: 51.313 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.00 min
Lab File: VF062288.D
Acq: 25 Apr 2019 12:38

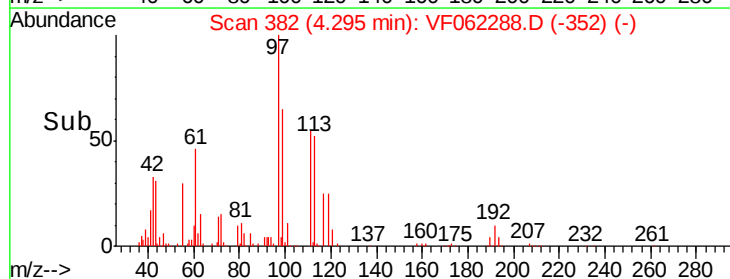
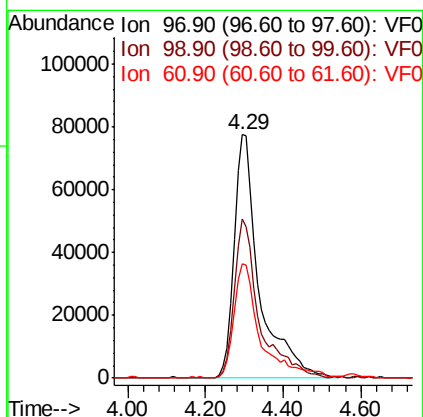
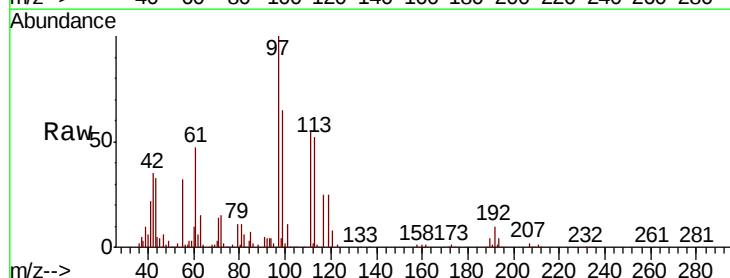
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

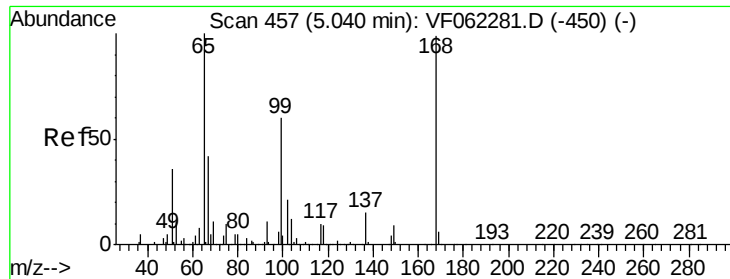
Tot Ion	Ratio	Lower	Upper
56	100		
69	31.2	24.3	36.5
84	82.4	68.5	102.7



#32
1,1,1-Trichloroethane
Concen: 54.016 ug/l
RT: 4.29 min Scan# 382
Delta R.T. -0.01 min
Lab File: VF062288.D
Acq: 25 Apr 2019 12:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	41.6	62.4#
61	49.3	31.6	47.4#

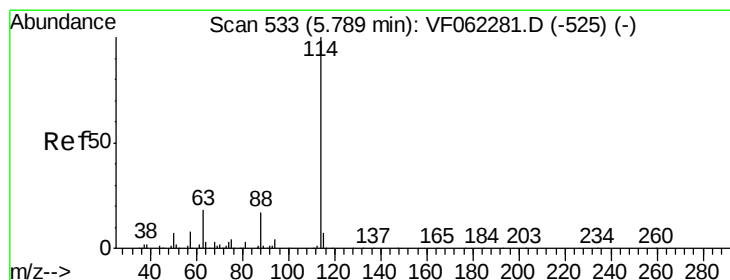
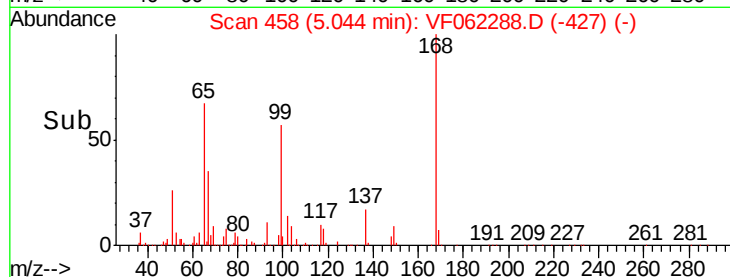
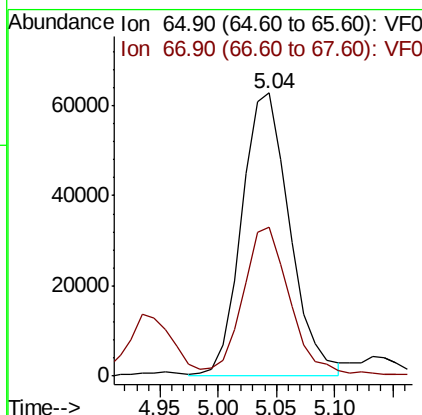
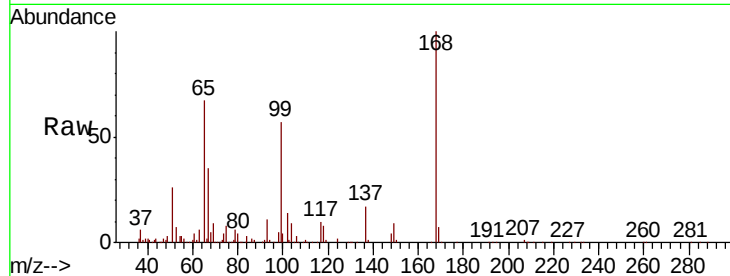




#33
 1,2-Dichloroethane-d4
 Concen: 47.374 ug/l
 RT: 5.04 min Scan# 458
 Delta R.T. 0.00 min
 Lab File: VF062288.D
 Acq: 25 Apr 2019 12:38

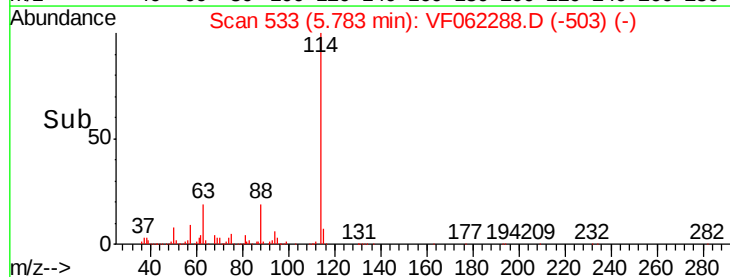
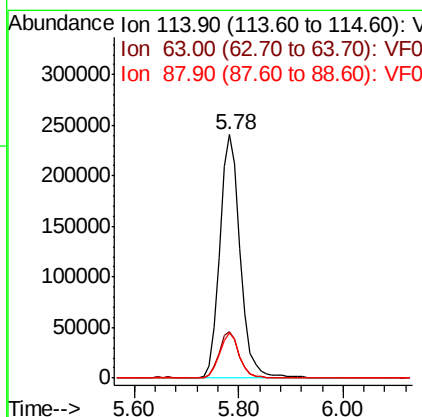
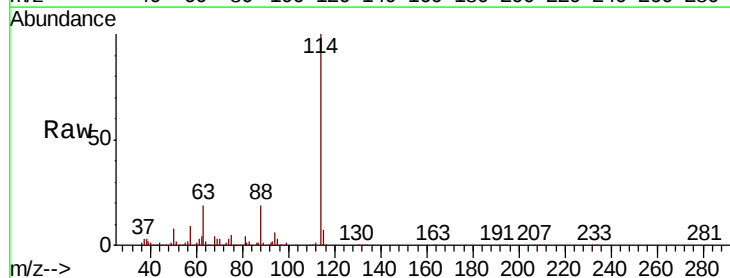
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

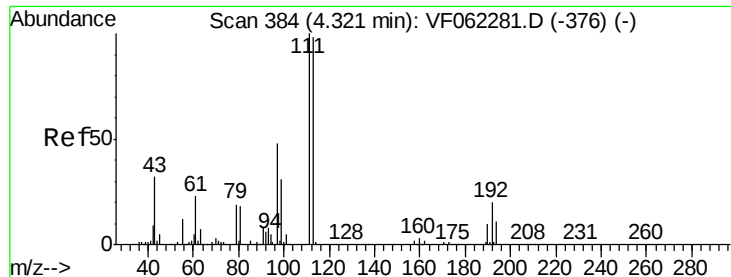
Tot Ion: 65 Resp: 178695
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 98.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VF062288.D
 Acq: 25 Apr 2019 12:38

Tgt Ion: 114 Resp: 652320
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 35.6
 88 18.6 0.0 34.6

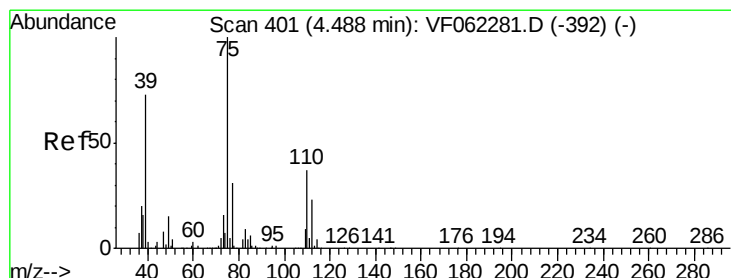
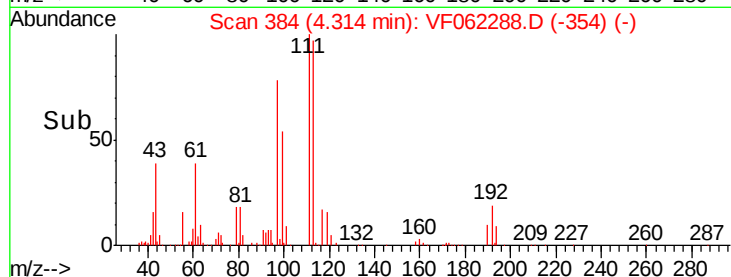
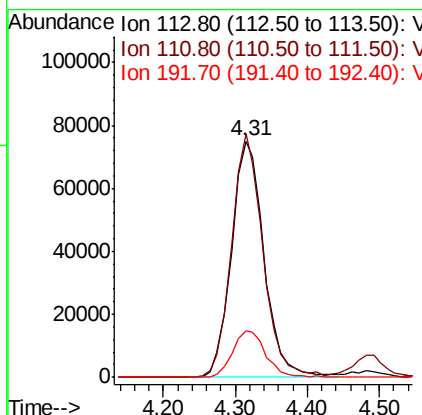
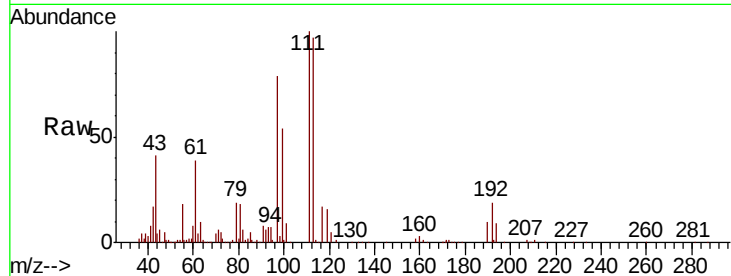




#35
 Dibromofluoromethane
 Concen: 48.879 ug/l
 RT: 4.31 min Scan# 384
 Delta R.T. -0.01 min
 Lab File: VF062288.D
 Acq: 25 Apr 2019 12:38

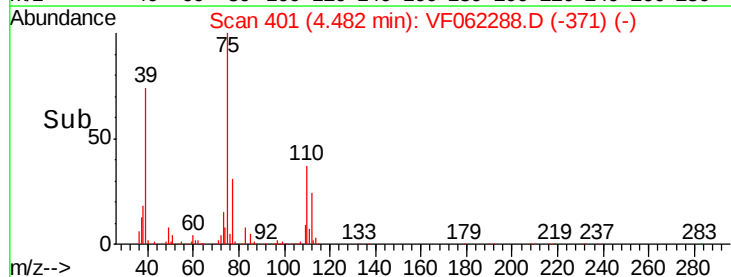
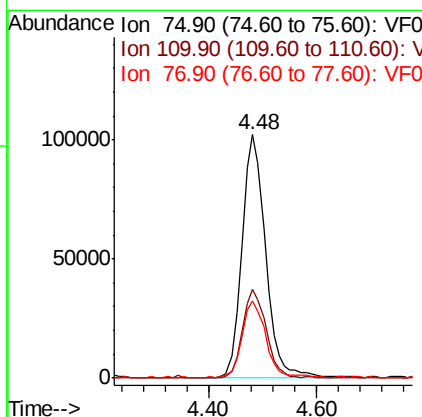
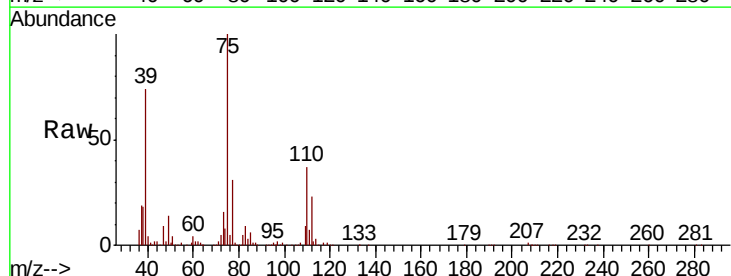
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

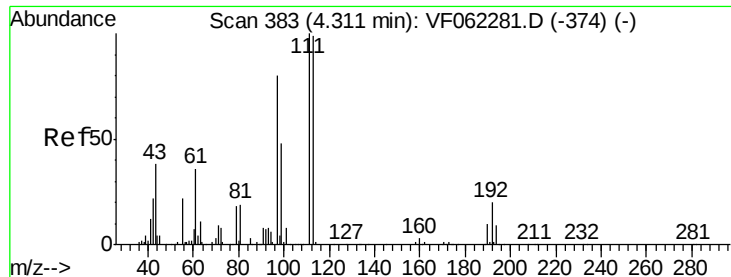
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.2	81.4	122.2
192	20.3	17.0	25.4



#36
 1,1-Dichloropropene
 Concen: 51.588 ug/l
 RT: 4.48 min Scan# 401
 Delta R.T. -0.01 min
 Lab File: VF062288.D
 Acq: 25 Apr 2019 12:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	17.9	53.8
77	31.4	24.6	36.8

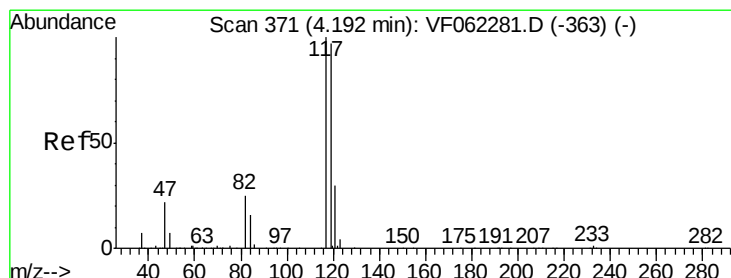
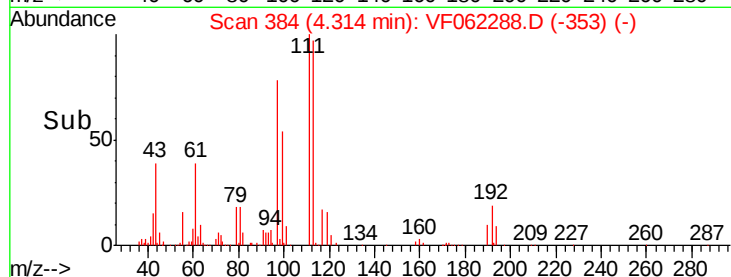
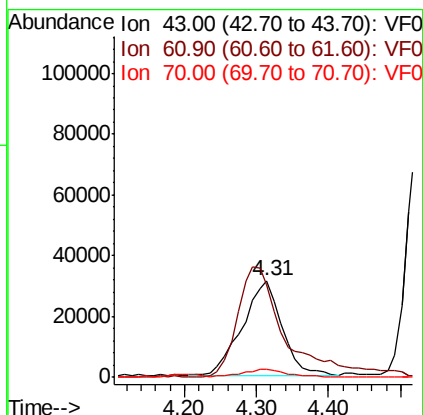
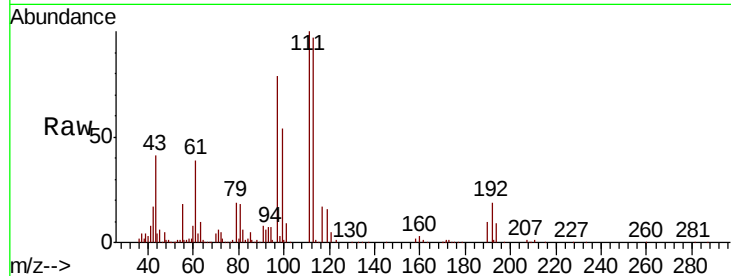




#37
Ethyl Acetate
Concen: 47.307 ug/l
RT: 4.31 min Scan# 384
Delta R.T. 0.00 min
Lab File: VF062288.D
Acq: 25 Apr 2019 12:38

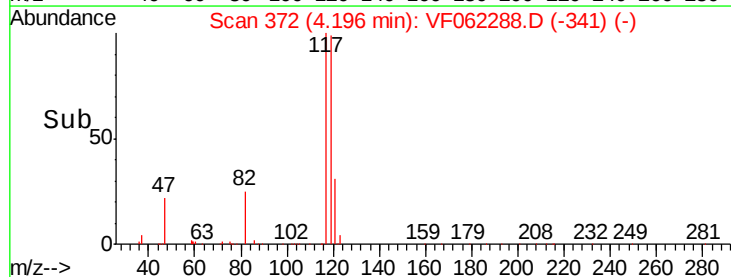
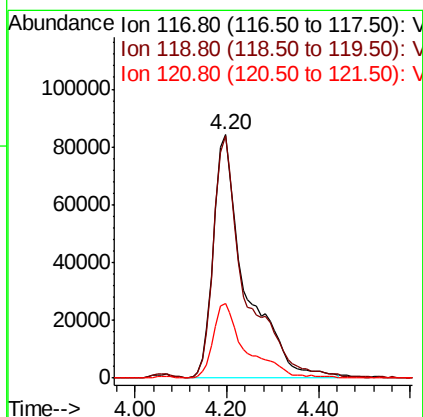
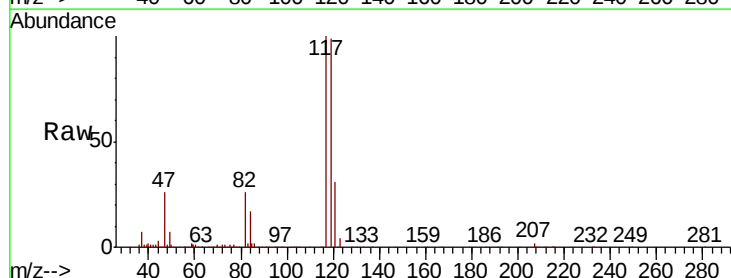
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

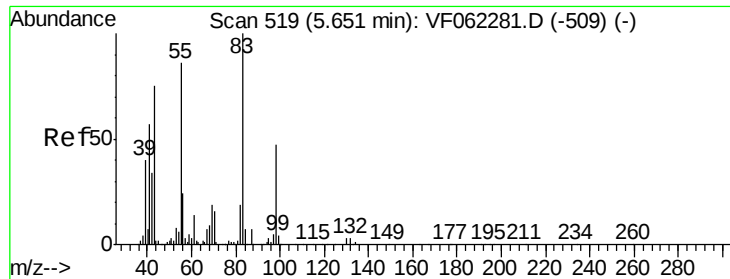
Tot Ion: 43 Resp: 119774
Ion Ratio Lower Upper
43 100
61 143.9 85.8 128.6#
70 10.1 7.3 10.9



#38
Carbon Tetrachloride
Concen: 66.198 ug/l
RT: 4.20 min Scan# 372
Delta R.T. 0.00 min
Lab File: VF062288.D
Acq: 25 Apr 2019 12:38

Tgt Ion: 117 Resp: 405009
Ion Ratio Lower Upper
117 100
119 99.4 77.3 115.9
121 30.8 24.3 36.5

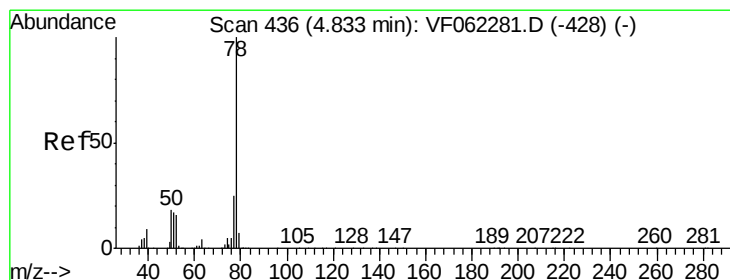
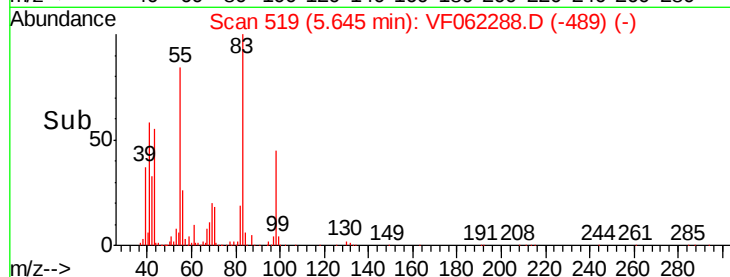
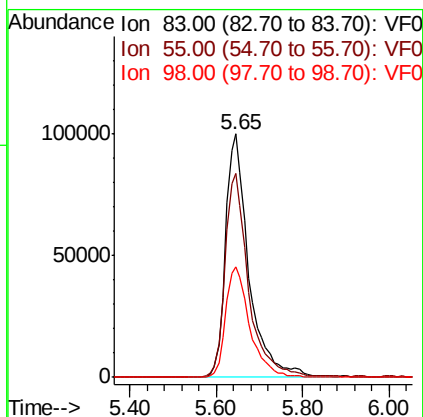
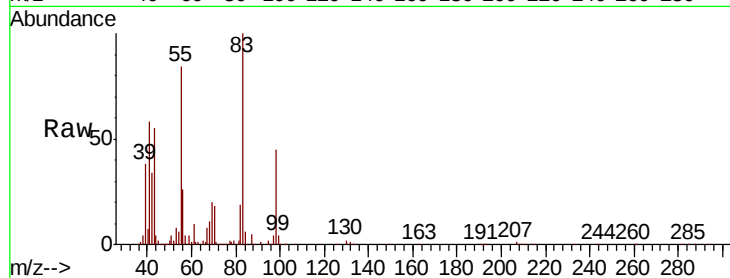




#39
Methvlcvclohexane
Concen: 53.049 ug/l
RT: 5.65 min Scan# 519
Delta R.T. -0.01 min
Lab File: VF062288.D
Acq: 25 Apr 2019 12:38

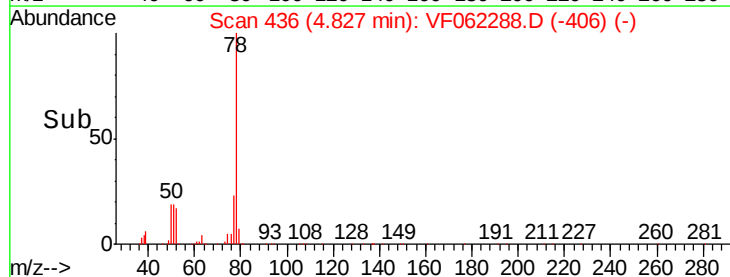
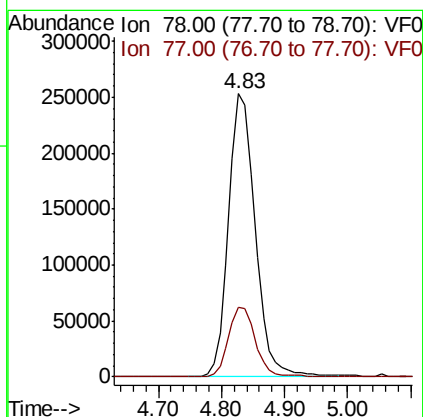
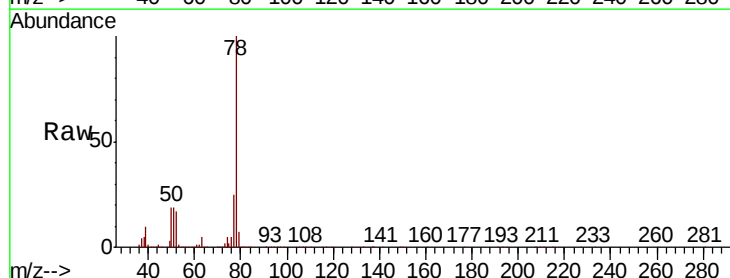
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

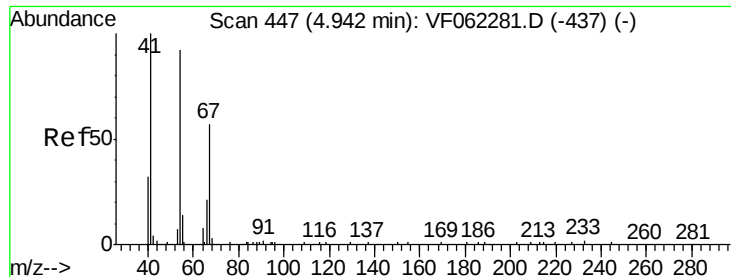
Tot Ion: 83 Resp: 372693
Ion Ratio Lower Upper
83 100
55 83.6 68.7 103.1
98 45.5 37.4 56.2



#40
Benzene
Concen: 51.021 ug/l
RT: 4.83 min Scan# 436
Delta R.T. -0.01 min
Lab File: VF062288.D
Acq: 25 Apr 2019 12:38

Tgt Ion: 78 Resp: 741858
Ion Ratio Lower Upper
78 100
77 24.4 19.7 29.5





#41

Methacrylonitrile

Concen: 50.008 ug/l

RT: 4.94 min Scan# 447

Delta R.T. -0.01 min

Lab File: VF062288.D

Acq: 25 Apr 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 70339

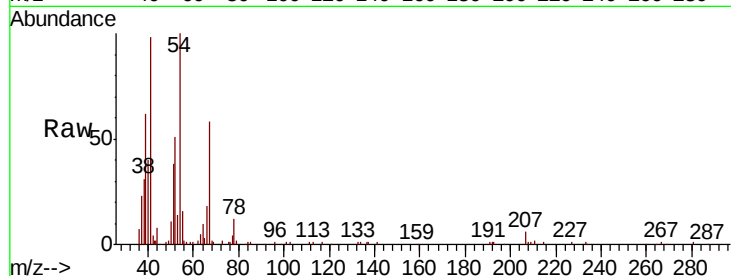
Ion Ratio Lower Upper

41 100

39 67.0 47.3 70.9

67 53.5 41.3 61.9

52 67.7 49.4 74.2

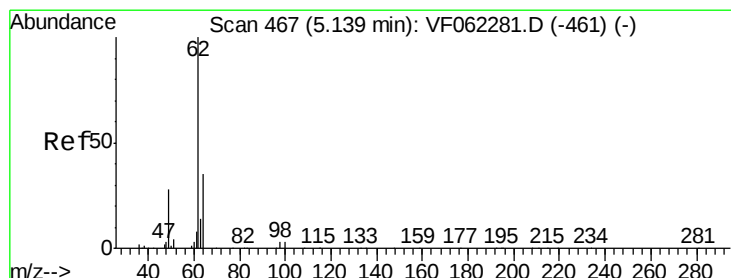
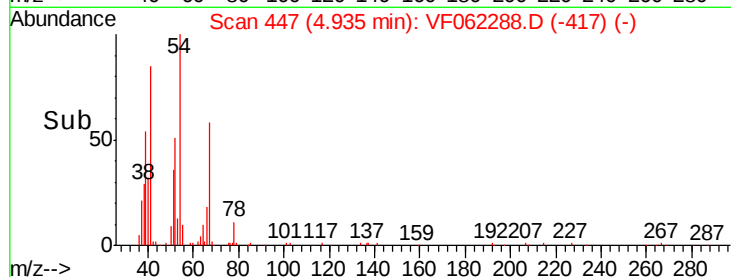
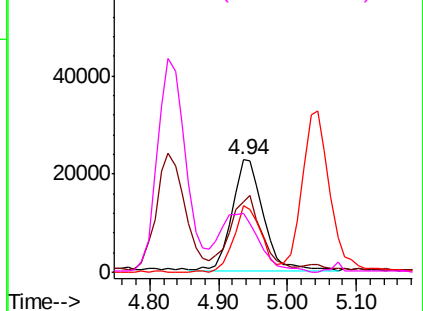


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 51.045 ug/l

RT: 5.13 min Scan# 467

Delta R.T. -0.01 min

Lab File: VF062288.D

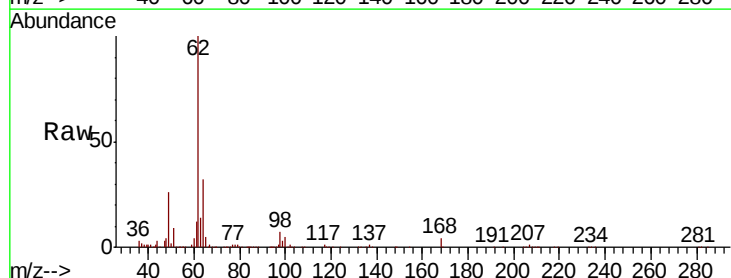
Acq: 25 Apr 2019 12:38

Tgt Ion: 62 Resp: 235134

Ion Ratio Lower Upper

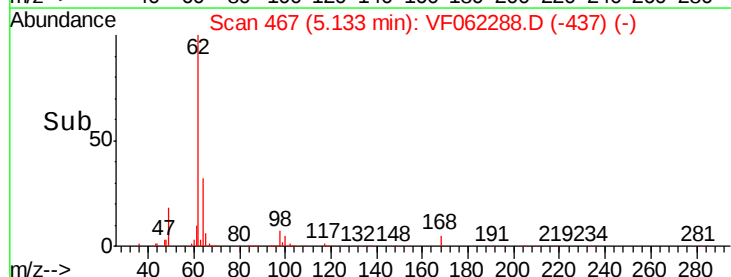
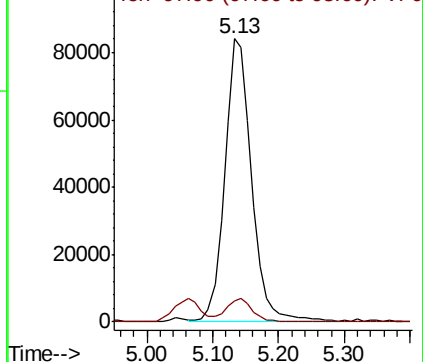
62 100

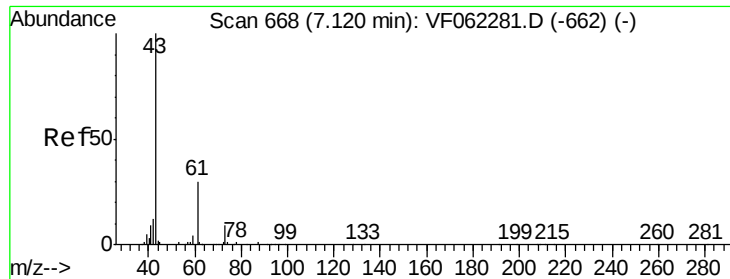
98 8.4 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 97.90 (97.60 to 98.60): VF0





#43

Isopropyl Acetate

Concen: 45.745 ug/l

RT: 7.12 min Scan# 669

Delta R.T. 0.00 min

Lab File: VF062288.D

Acq: 25 Apr 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

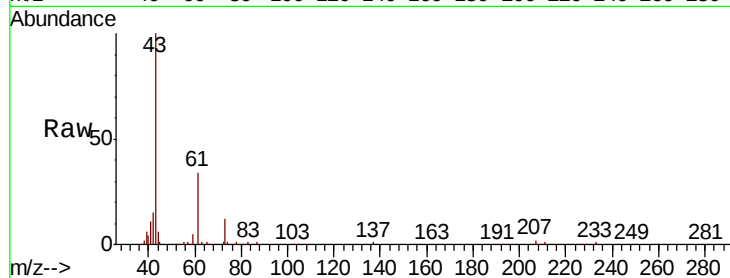
Tot Ion: 43 Resp: 118730

Ion Ratio Lower Upper

43 100

61 31.4 23.8 35.6

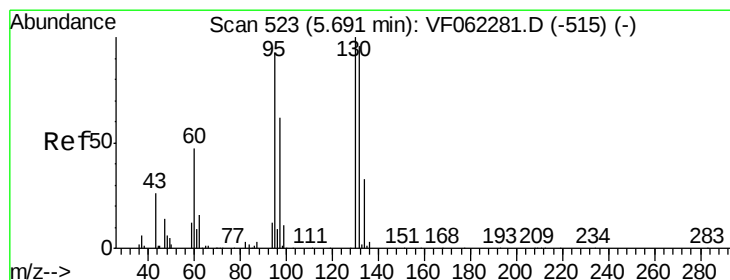
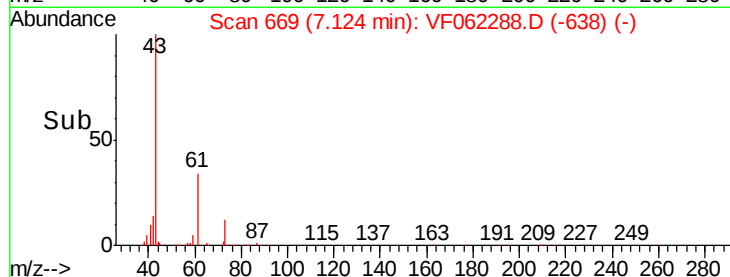
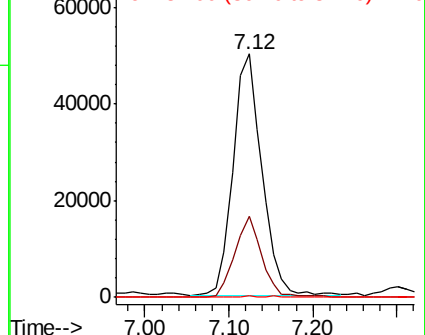
87 0.3 0.5 0.7#



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: 49.735 ug/l

RT: 5.69 min Scan# 524

Delta R.T. 0.00 min

Lab File: VF062288.D

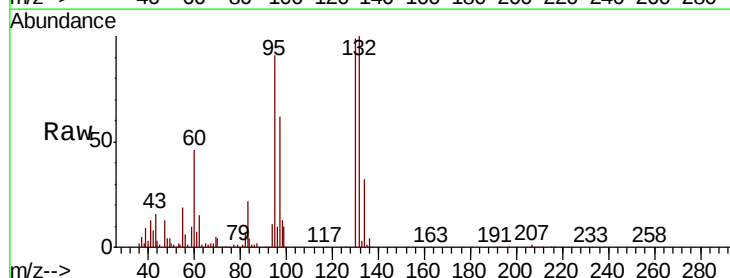
Acq: 25 Apr 2019 12:38

Tgt Ion:130 Resp: 244668

Ion Ratio Lower Upper

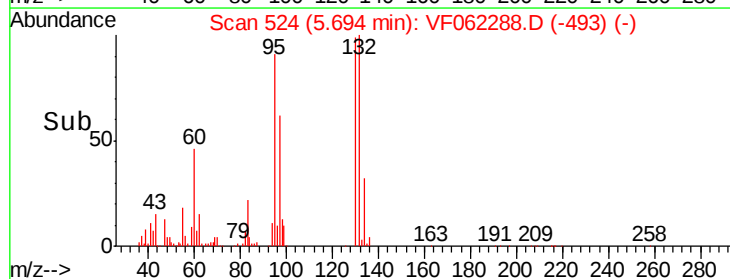
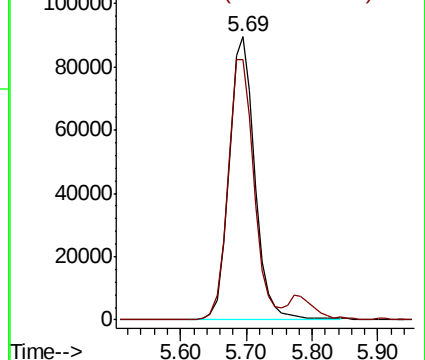
130 100

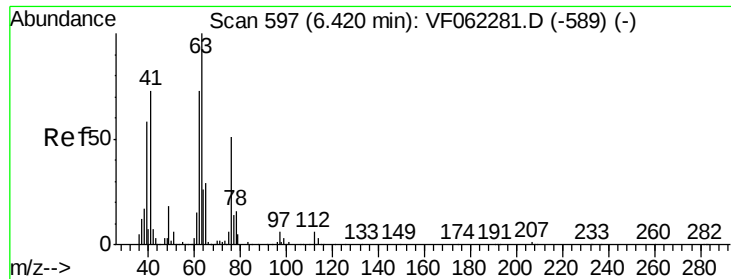
95 92.0 0.0 186.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 53.885 ug/l

RT: 6.41 min Scan# 597

Delta R.T. -0.01 min

Lab File: VF062288.D

Acq: 25 Apr 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

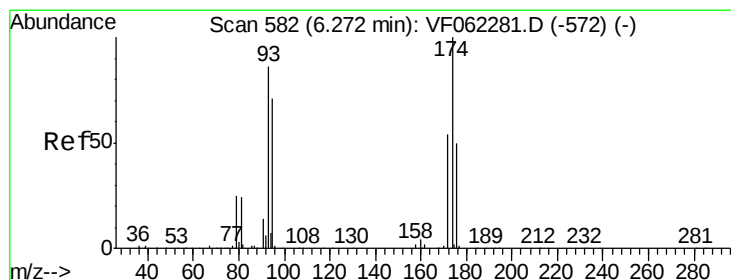
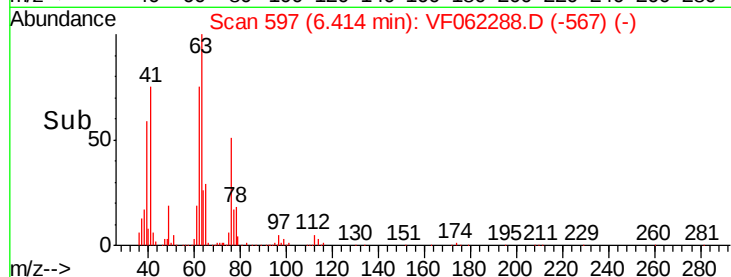
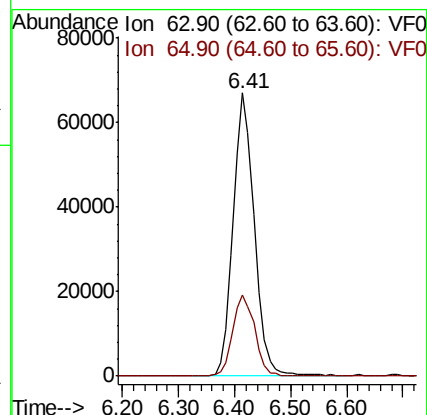
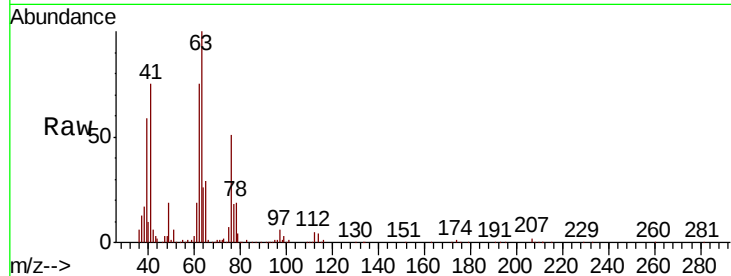
VSTDCCC050

Tot Ion: 63 Resp: 176653

Ion Ratio Lower Upper

63 100

65 28.9 23.5 35.3



#46

Dibromomethane

Concen: 54.714 ug/l

RT: 6.27 min Scan# 582

Delta R.T. -0.01 min

Lab File: VF062288.D

Acq: 25 Apr 2019 12:38

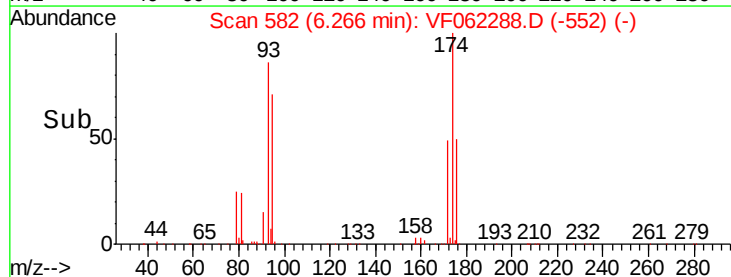
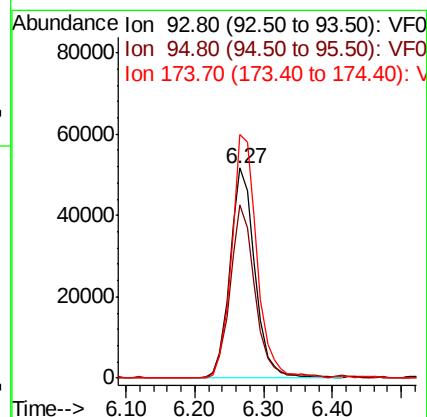
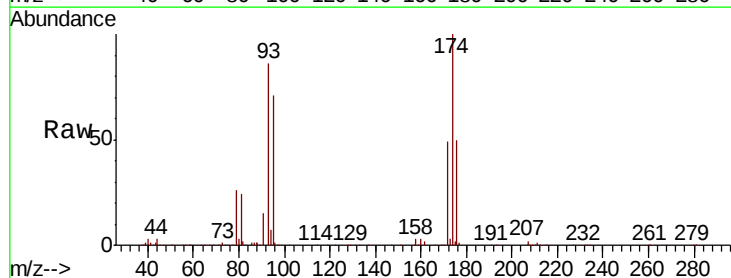
Tgt Ion: 93 Resp: 129520

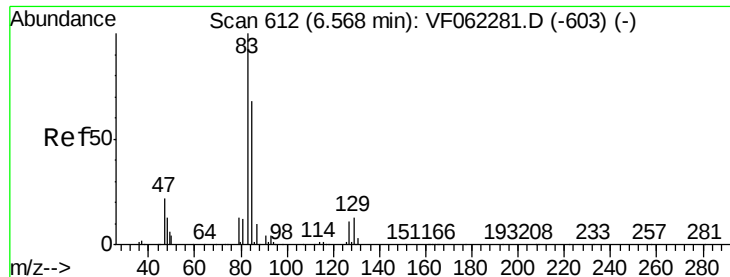
Ion Ratio Lower Upper

93 100

95 81.2 66.2 99.4

174 117.1 94.9 142.3





#47

Bromodichloromethane

Concen: 54.582 ug/l

RT: 6.56 min Scan# 612

Delta R.T. -0.01 min

Lab File: VF062288.D

Acq: 25 Apr 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

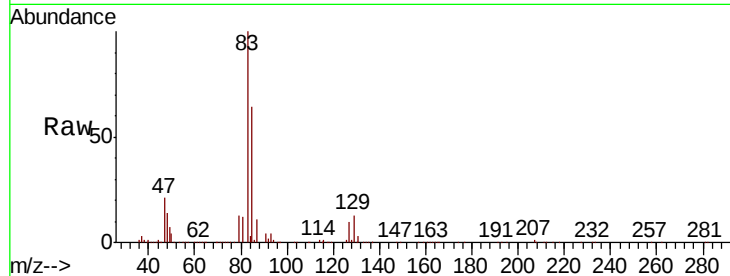
Tot Ion: 83 Resp: 303752

Ion Ratio Lower Upper

83 100

85 64.4 54.6 81.8

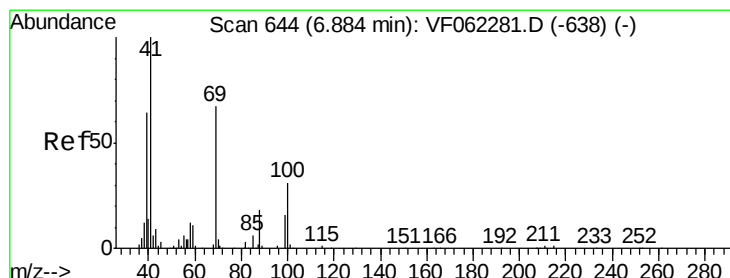
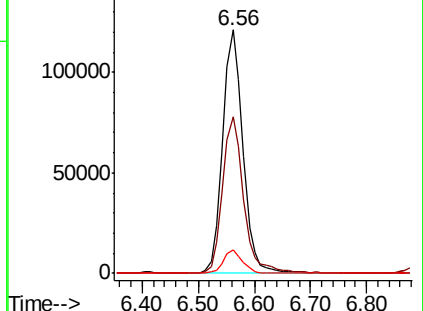
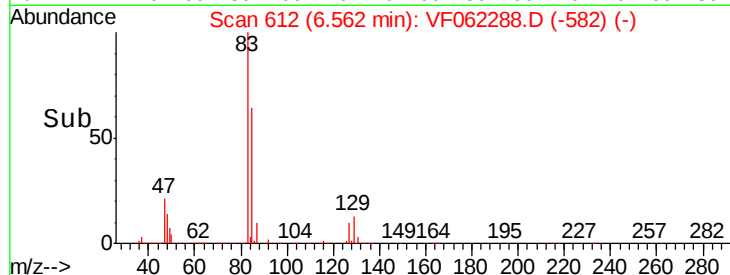
127 9.6 8.7 13.1



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 50.733 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.00 min

Lab File: VF062288.D

Acq: 25 Apr 2019 12:38

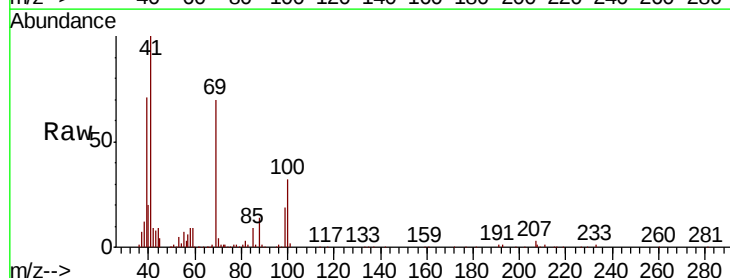
Tgt Ion: 41 Resp: 94106

Ion Ratio Lower Upper

41 100

69 63.8 53.4 80.2

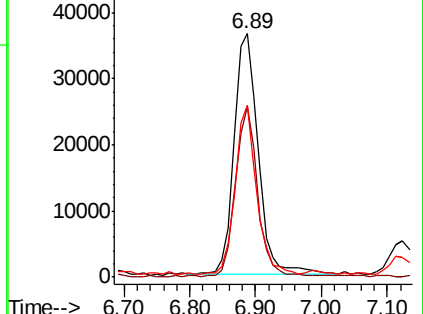
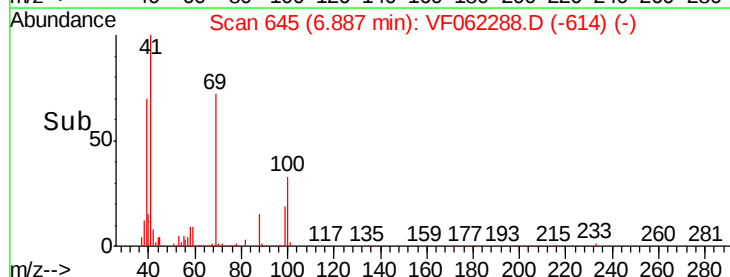
39 62.7 50.9 76.3

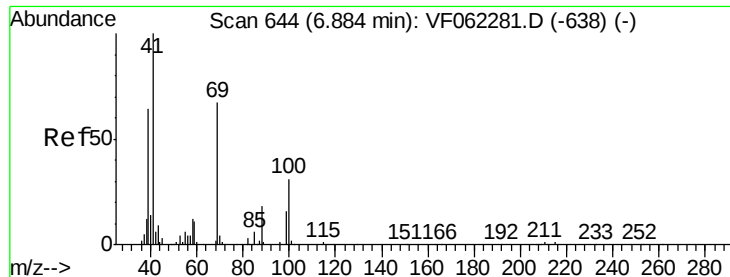


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 983.730 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.01 min

Lab File: VF062288.D

Acq: 25 Apr 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

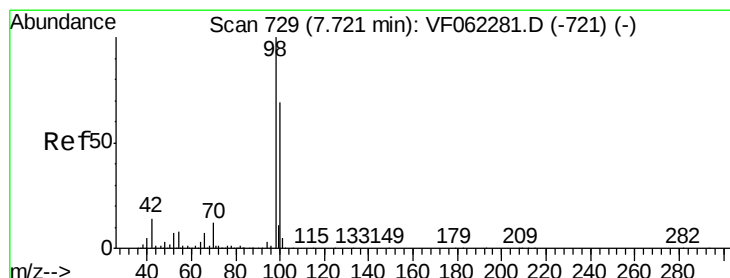
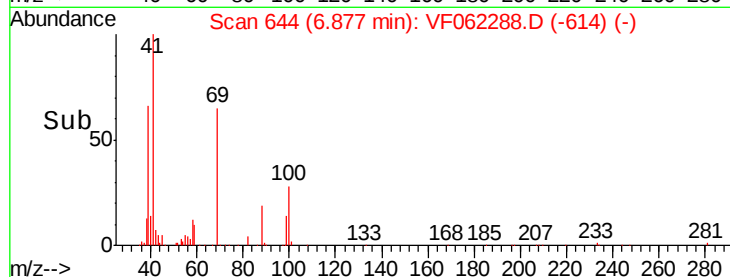
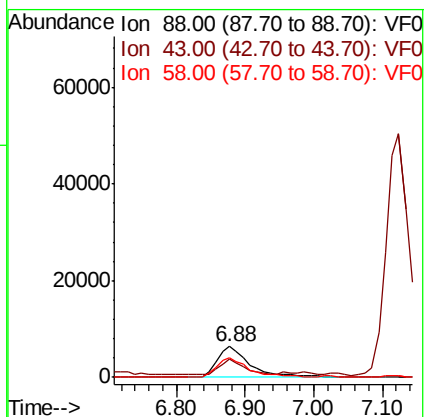
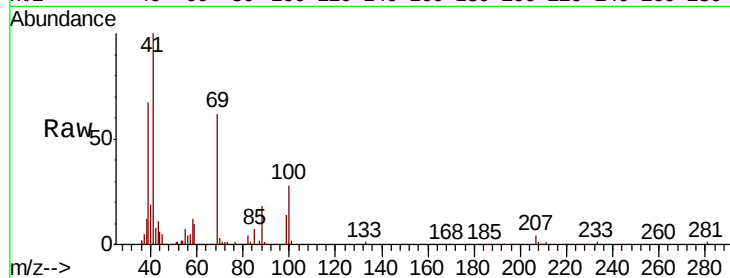
Tot Ion: 88 Resp: 21012

Ion Ratio Lower Upper

88 100

43 37.5 34.2 51.4

58 62.4 50.7 76.1



#50

Toluene-d8

Concen: 47.998 ug/l

RT: 7.72 min Scan# 729

Delta R.T. -0.01 min

Lab File: VF062288.D

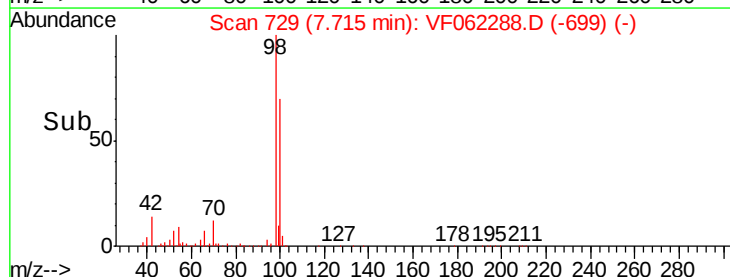
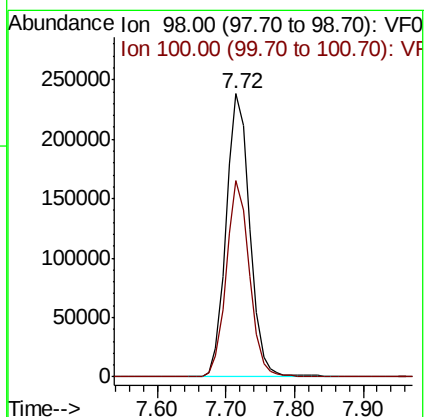
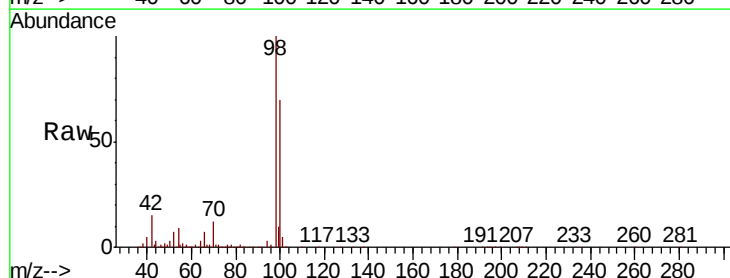
Acq: 25 Apr 2019 12:38

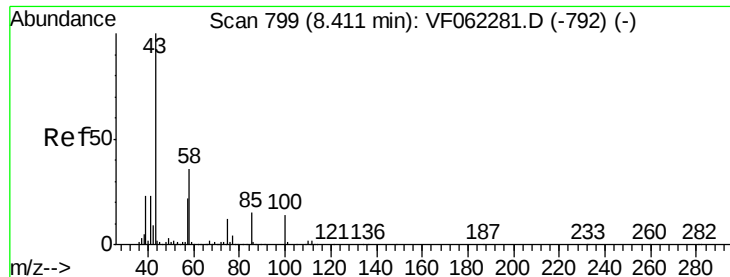
Tgt Ion: 98 Resp: 567044

Ion Ratio Lower Upper

98 100

100 68.0 54.4 81.6





#51

4-Methyl-2-Pentanone

Concen: 241.971 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF062288.D

Acq: 25 Apr 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

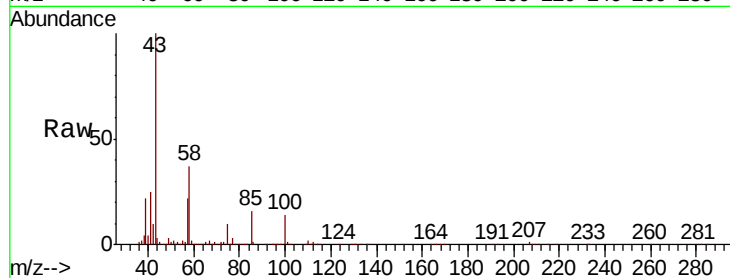
VSTDCCC050

Tot Ion: 43 Resp: 482706

Ion Ratio Lower Upper

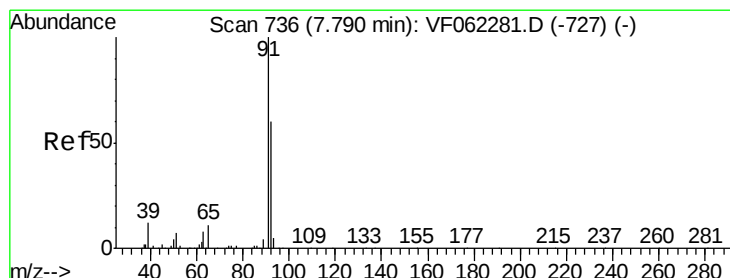
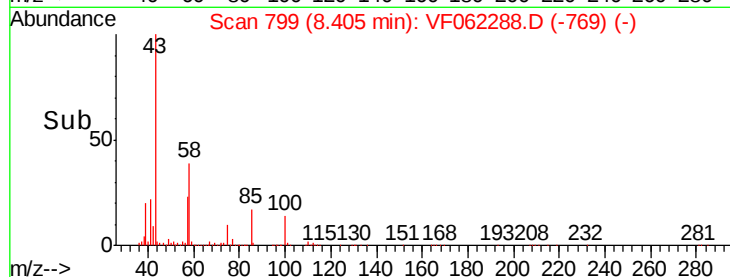
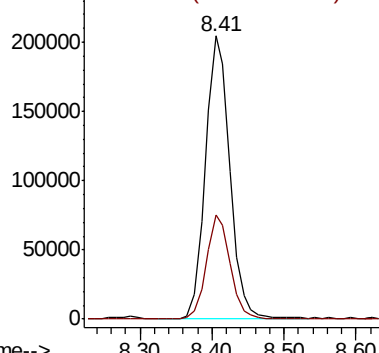
43 100

58 36.0 29.1 43.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 49.609 ug/l

RT: 7.78 min Scan# 736

Delta R.T. -0.01 min

Lab File: VF062288.D

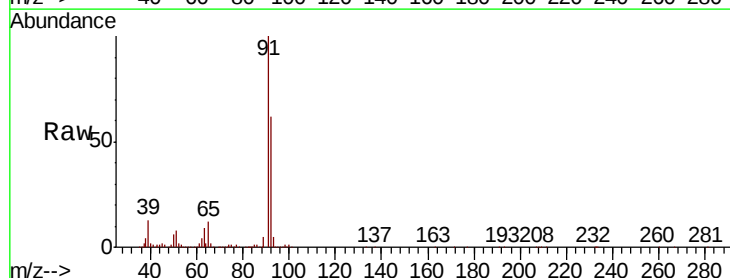
Acq: 25 Apr 2019 12:38

Tgt Ion: 92 Resp: 416235

Ion Ratio Lower Upper

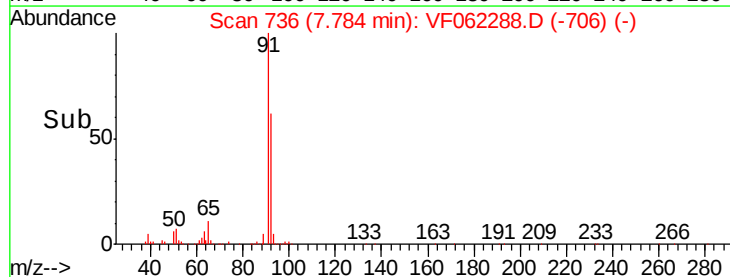
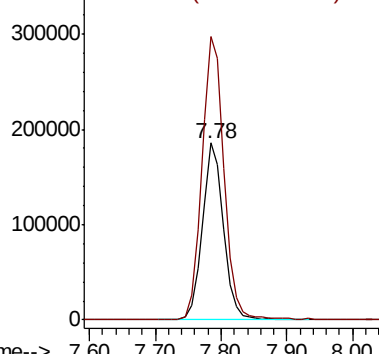
92 100

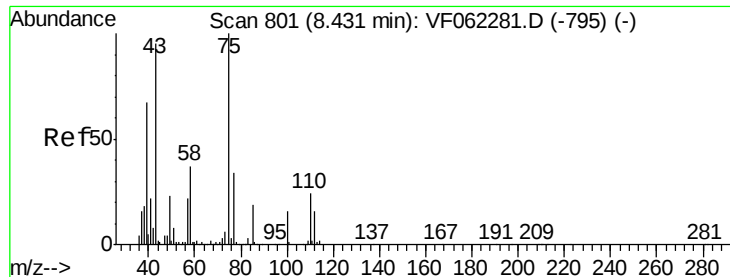
91 168.0 132.5 198.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 53.110 ug/l

RT: 8.42 min Scan# 801

Delta R.T. -0.01 min

Lab File: VF062288.D

Acq: 25 Apr 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

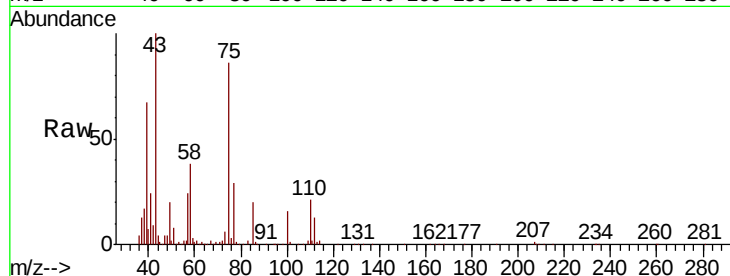
VSTDCCC050

Tot Ion: 75 Resp: 217333

Ion Ratio Lower Upper

75 100

77 33.2 26.9 40.3



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 76.90 (76.60 to 77.60): VF0

8.42

100000

80000

60000

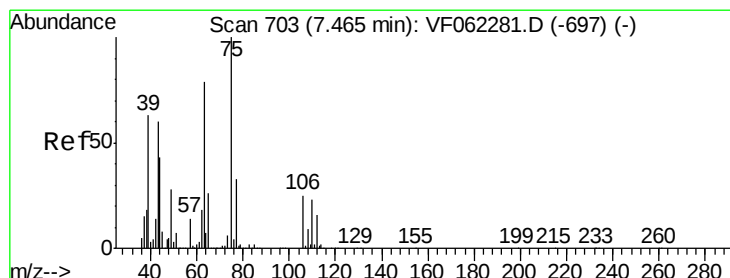
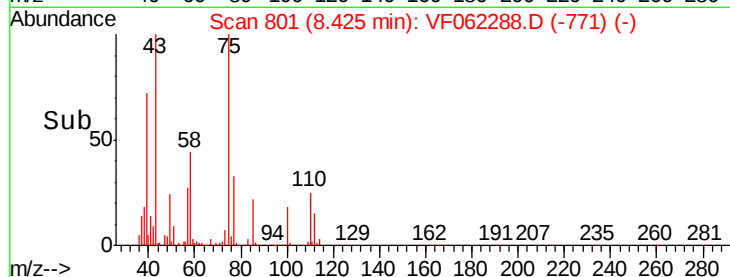
40000

20000

0

Time-->

8.30 8.40 8.50 8.60



#54

cis-1,3-Dichloropropene

Concen: 53.692 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF062288.D

Acq: 25 Apr 2019 12:38

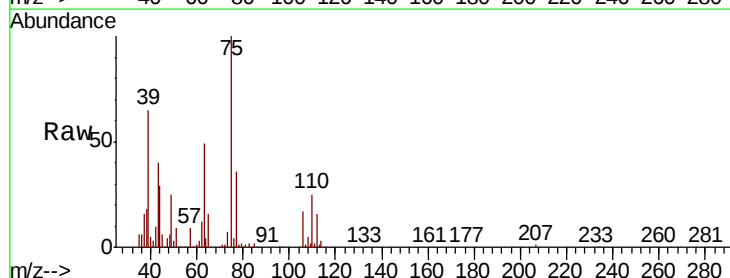
Tgt Ion: 75 Resp: 281474

Ion Ratio Lower Upper

75 100

77 35.2 26.5 39.7

39 64.1 50.2 75.2



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 76.90 (76.60 to 77.60): VF0

Ion 39.00 (38.70 to 39.70): VF0

150000

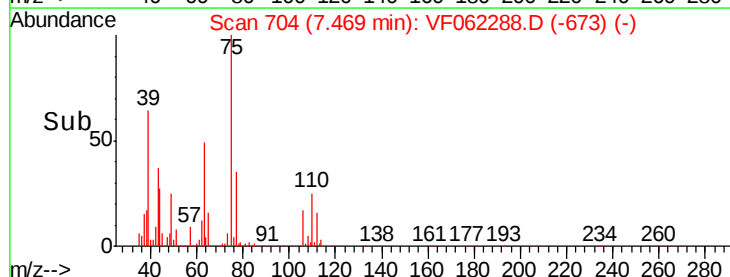
100000

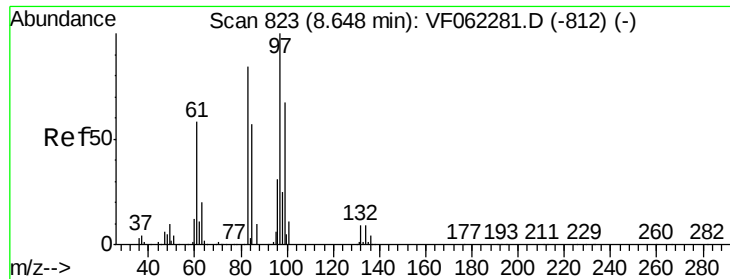
50000

0

Time-->

7.30 7.40 7.50 7.60

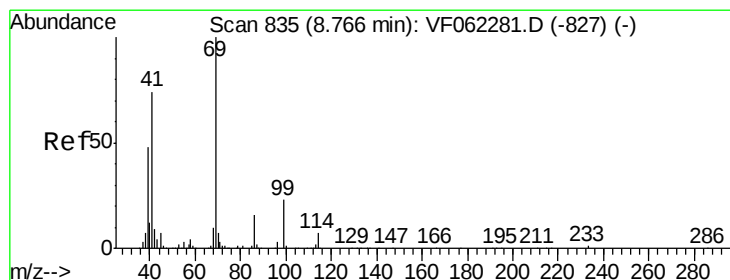
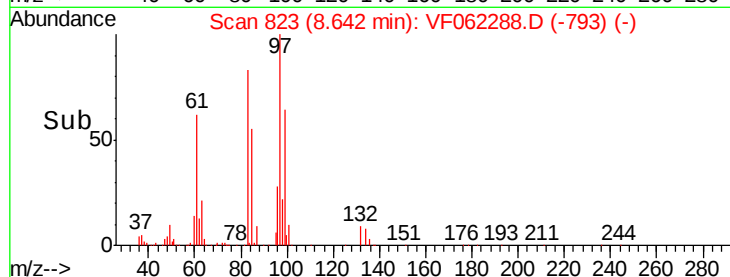
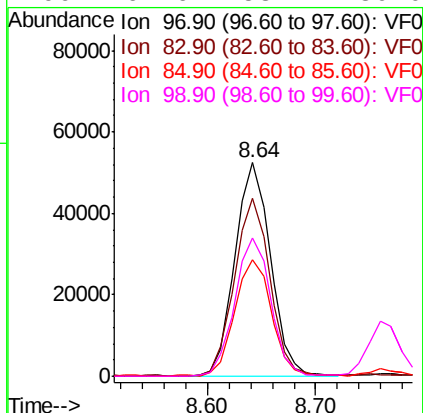
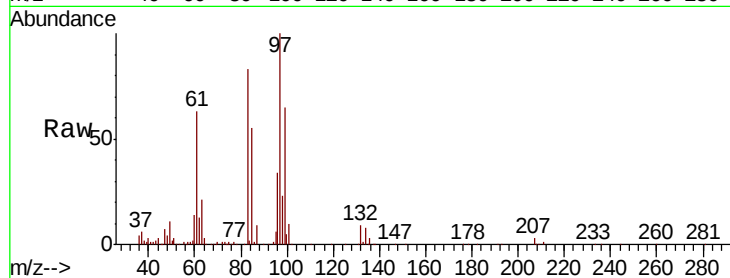




#55
 1,1,2-Trichloroethane
 Concen: 50.892 ug/l
 RT: 8.64 min Scan# 823
 Delta R.T. -0.01 min
 Lab File: VF062288.D
 Acq: 25 Apr 2019 12:38

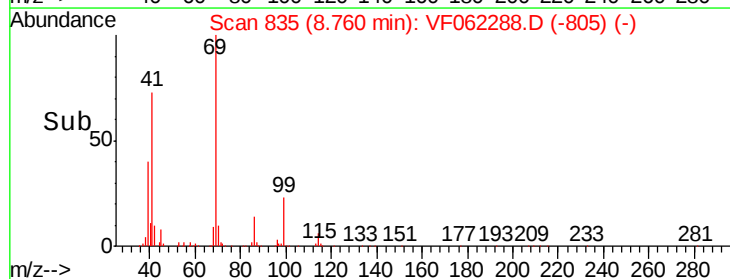
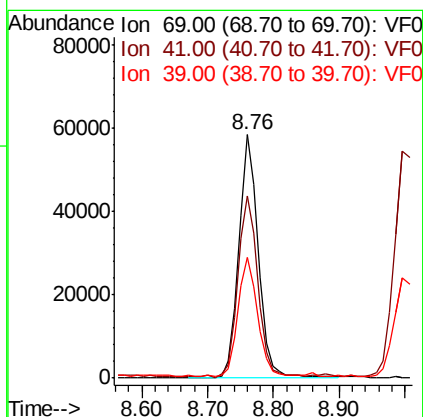
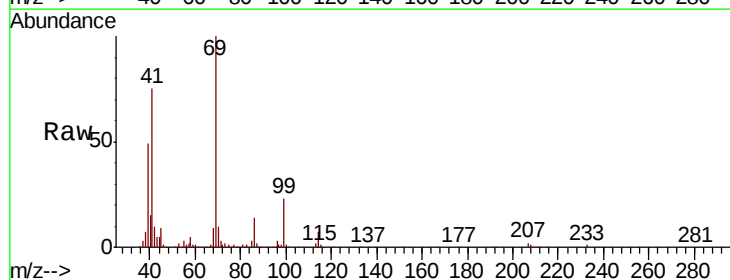
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

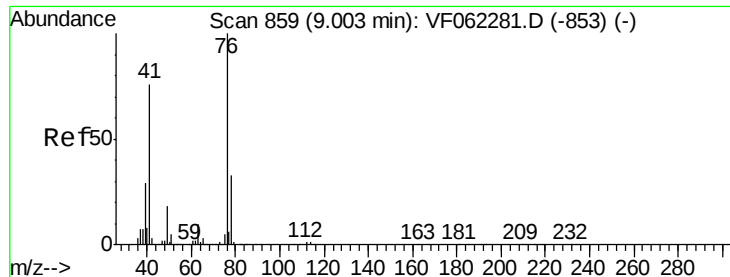
Tot Ion:	97	Resp:	121272
Ion	Ratio	Lower	Upper
97	100		
83	83.3	67.5	101.3
85	54.2	45.3	67.9
99	64.6	53.4	80.0



#56
 Ethyl methacrylate
 Concen: 46.705 ug/l
 RT: 8.76 min Scan# 835
 Delta R.T. -0.01 min
 Lab File: VF062288.D
 Acq: 25 Apr 2019 12:38

Tgt Ion:	69	Resp:	122268
Ion	Ratio	Lower	Upper
69	100		
41	76.2	61.5	92.3
39	49.0	37.9	56.9





#57

1,3-Dichloropropane

Concen: 47.056 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.01 min

Lab File: VF062288.D

Acq: 25 Apr 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

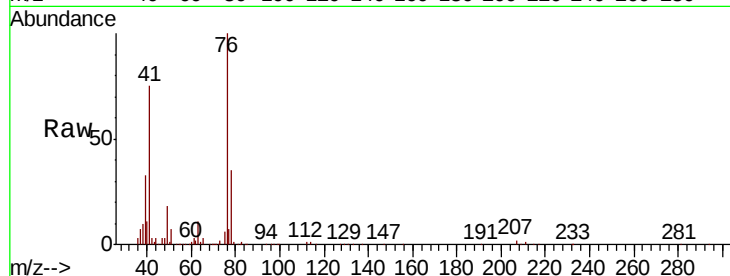
VSTDCCC050

Tot Ion: 76 Resp: 176300

Ion Ratio Lower Upper

76 100

78 34.3 27.0 40.6



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0

9.00

80000

60000

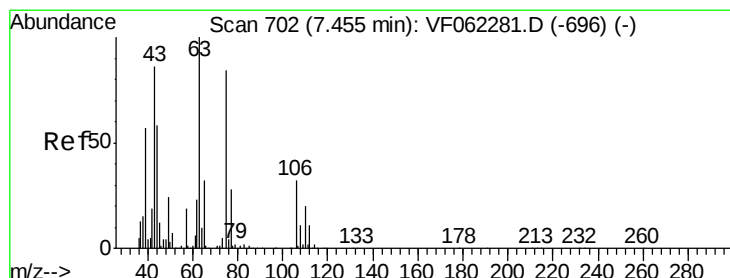
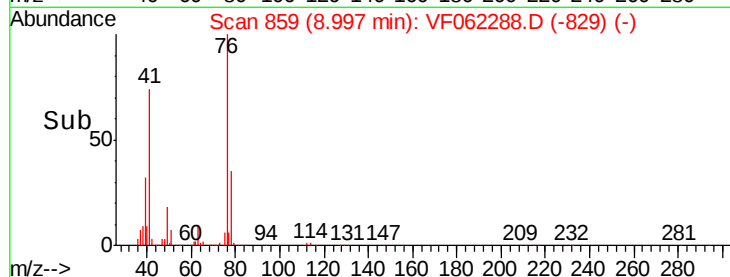
40000

20000

0

Time-->

8.90 9.00 9.10



#58

2-Chloroethyl Vinyl ether

Concen: 231.681 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.00 min

Lab File: VF062288.D

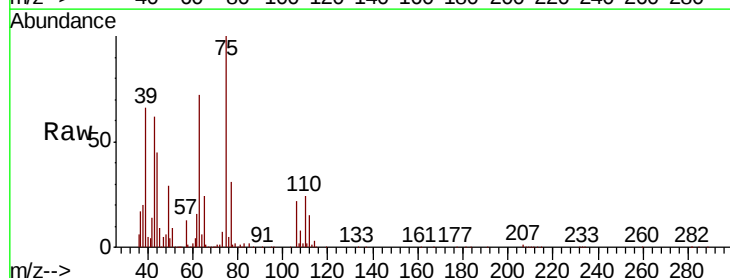
Acq: 25 Apr 2019 12:38

Tgt Ion: 63 Resp: 184556

Ion Ratio Lower Upper

63 100

106 30.7 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 105.90 (105.60 to 106.60): V

7.46

80000

60000

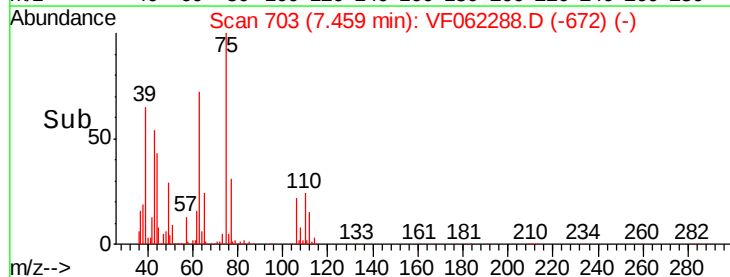
40000

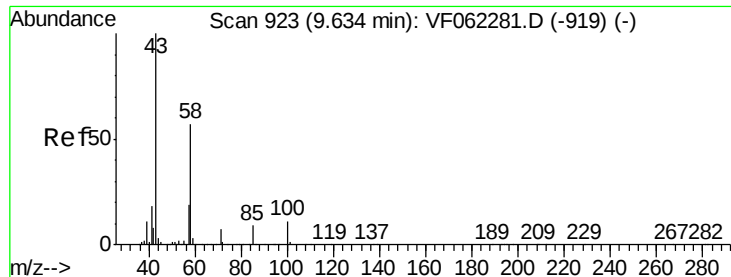
20000

0

Time-->

7.30 7.40 7.50 7.60

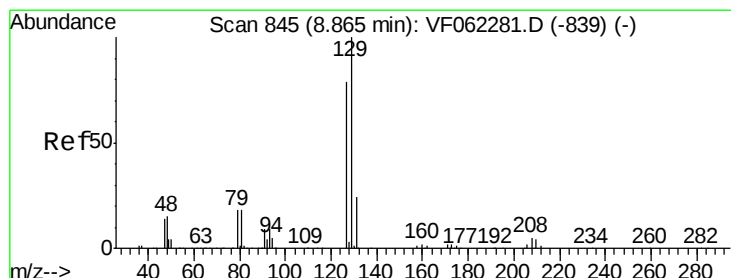
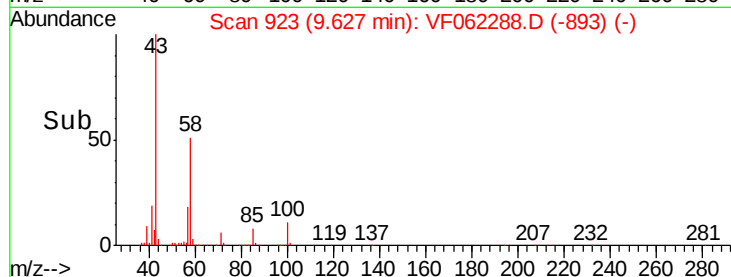
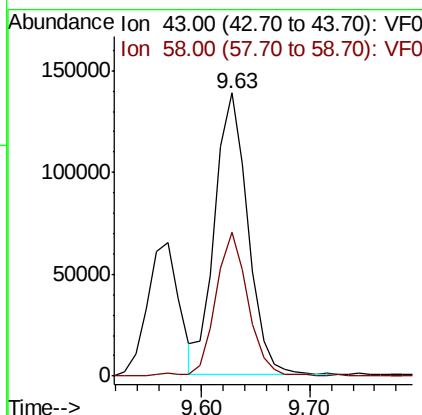
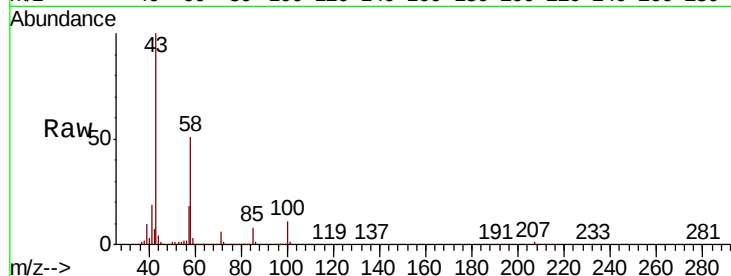




#59
2-Hexanone
Concen: 240.757 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.01 min
Lab File: VF062288.D
Acq: 25 Apr 2019 12:38

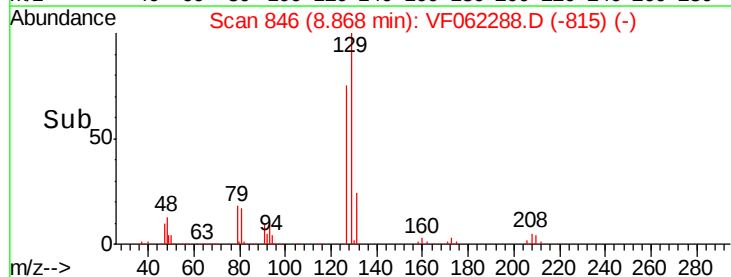
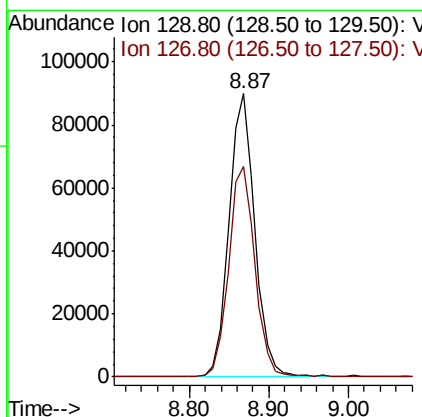
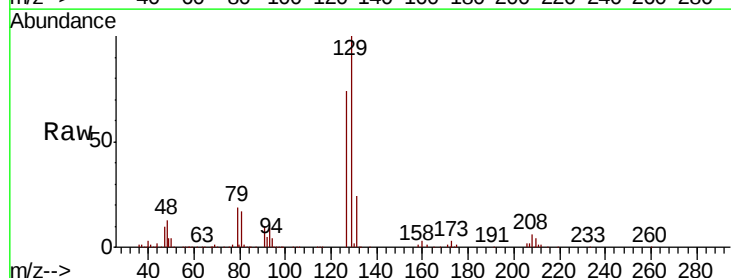
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

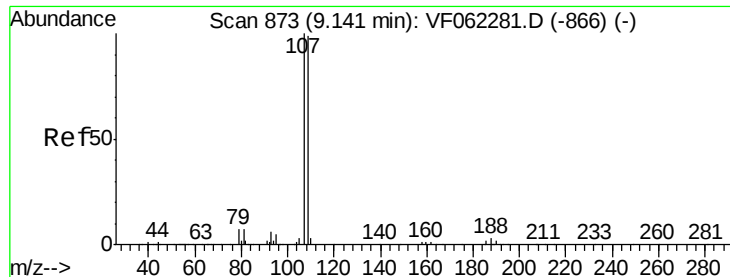
Tot Ion: 43 Resp: 293810
Ion Ratio Lower Upper
43 100
58 50.5 24.9 74.7



#60
Dibromochloromethane
Concen: 52.727 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF062288.D
Acq: 25 Apr 2019 12:38

Tgt Ion: 129 Resp: 203920
Ion Ratio Lower Upper
129 100
127 75.6 38.8 116.4





#61

1,2-Dibromoethane

Concen: 52.076 ug/l

RT: 9.13 min Scan# 873

Delta R.T. -0.01 min

Lab File: VF062288.D

Acq: 25 Apr 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

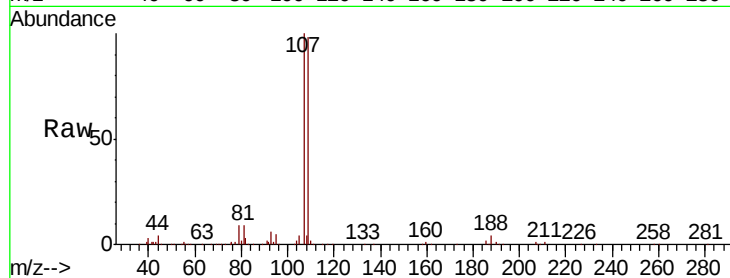
VSTDCCC050

Tot Ion: 107 Resp: 143621

Ion Ratio Lower Upper

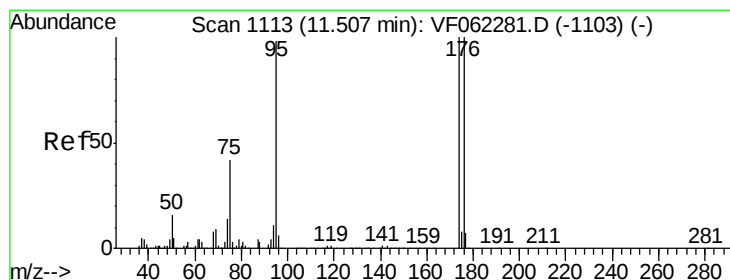
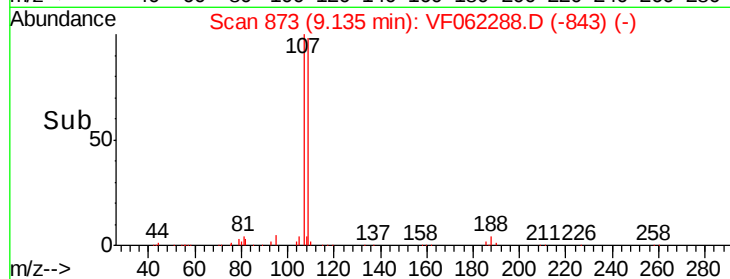
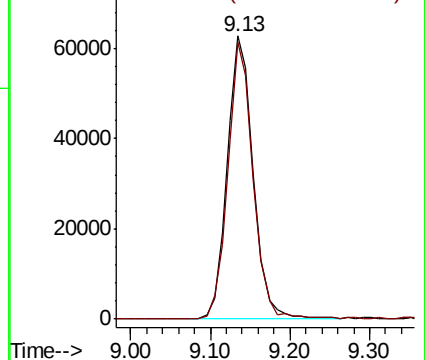
107 100

109 95.5 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: 42.628 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF062288.D

Acq: 25 Apr 2019 12:38

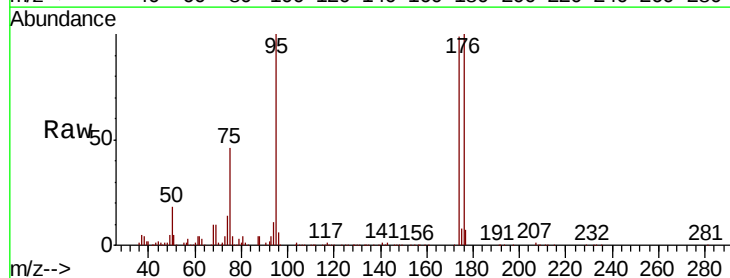
Tgt Ion: 95 Resp: 207578

Ion Ratio Lower Upper

95 100

174 95.9 0.0 185.2

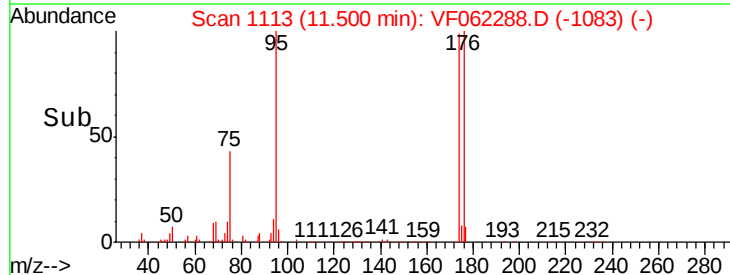
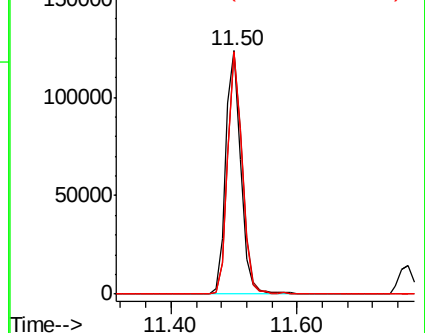
176 94.1 0.0 184.8

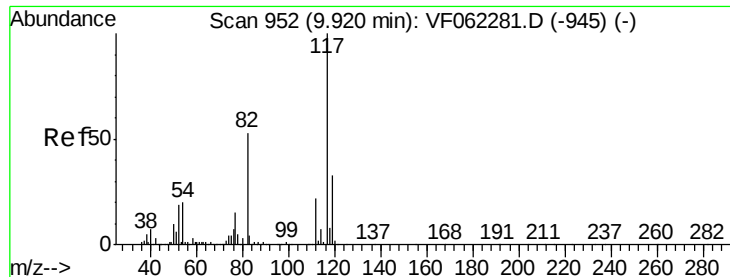


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

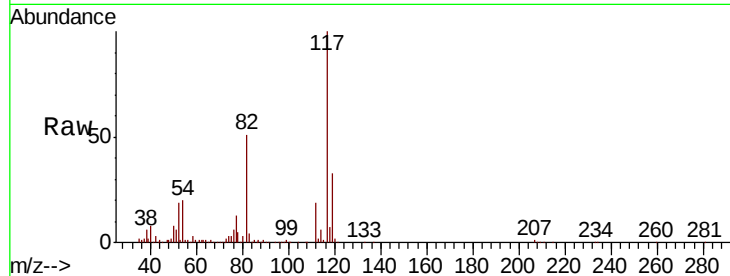




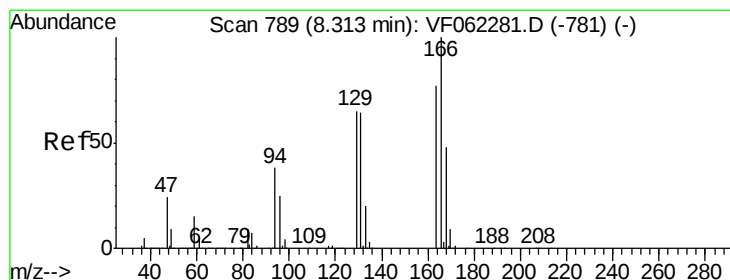
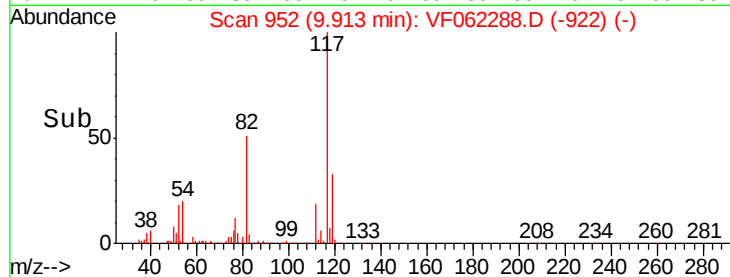
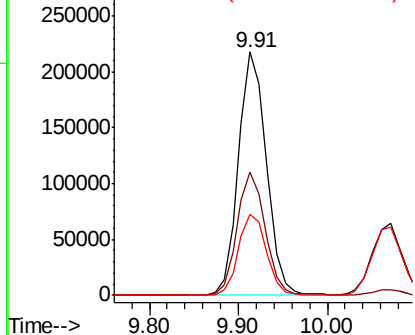
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF062288.D
Acq: 25 Apr 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 478210
Ion Ratio Lower Upper
117 100
82 50.7 42.6 64.0
119 33.3 26.1 39.1

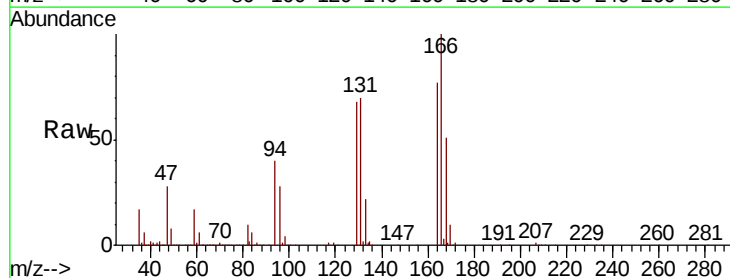


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 118.90 (118.60 to 119.60): V

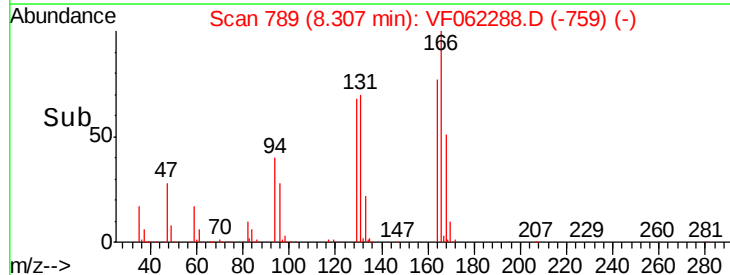
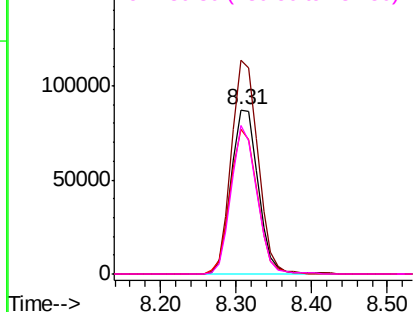


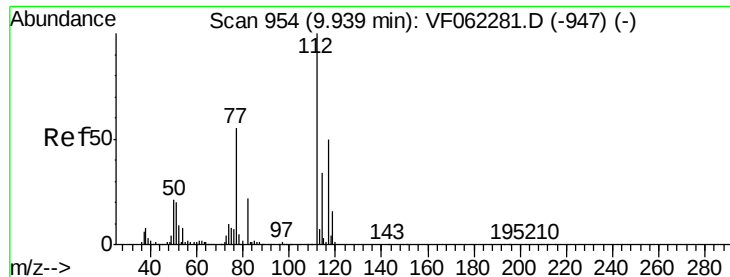
#64
Tetrachloroethene
Concen: 53.838 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.01 min
Lab File: VF062288.D
Acq: 25 Apr 2019 12:38

Tgt Ion:164 Resp: 215344
Ion Ratio Lower Upper
164 100
166 129.8 103.5 155.3
129 87.9 67.6 101.4
131 90.3 66.1 99.1



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

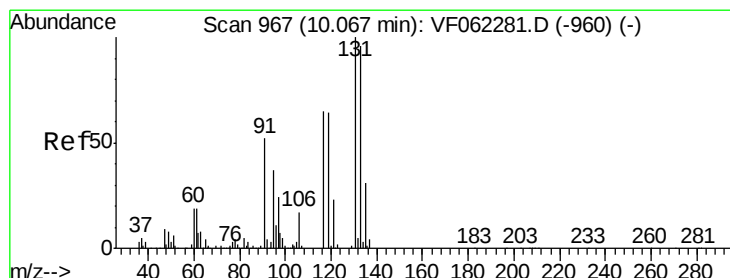
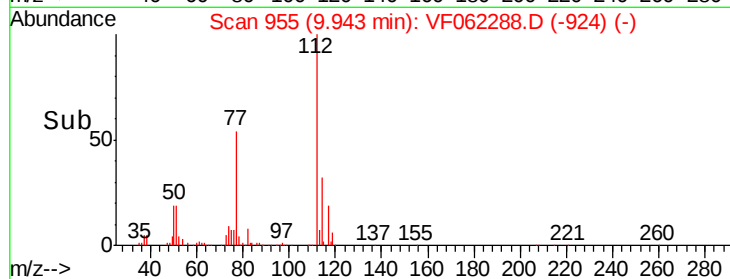
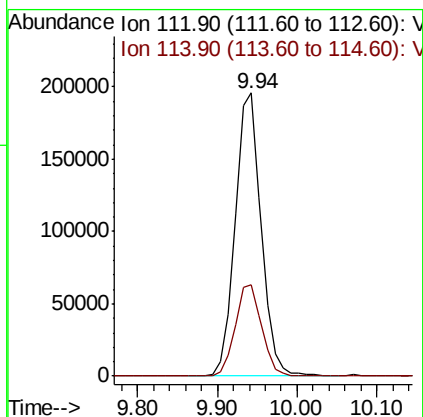
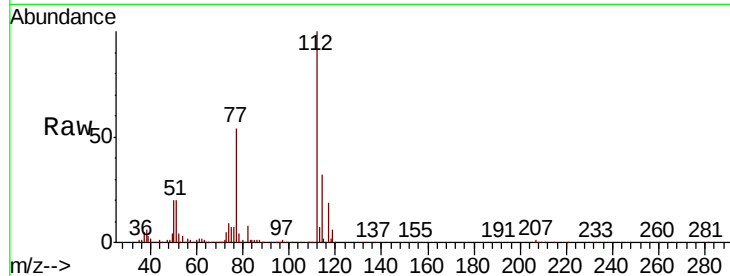




#65
Chlorobenzene
Concen: 50.888 ug/l
RT: 9.94 min Scan# 955
Delta R.T. 0.00 min
Lab File: VF062288.D
Acq: 25 Apr 2019 12:38

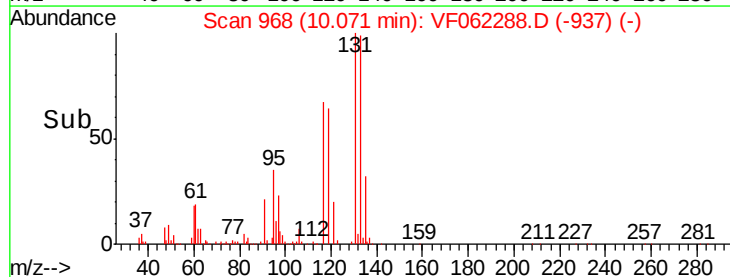
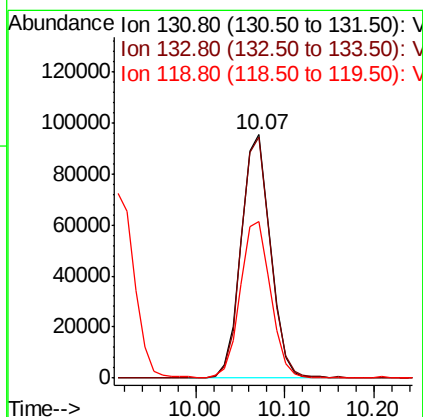
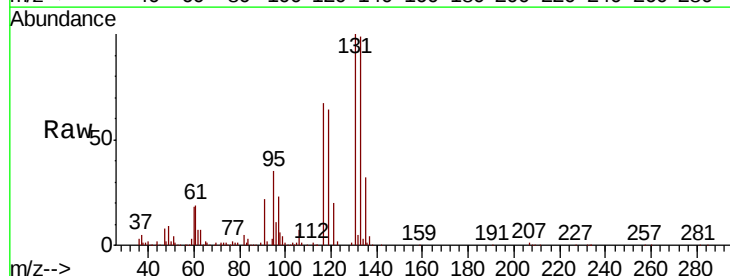
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

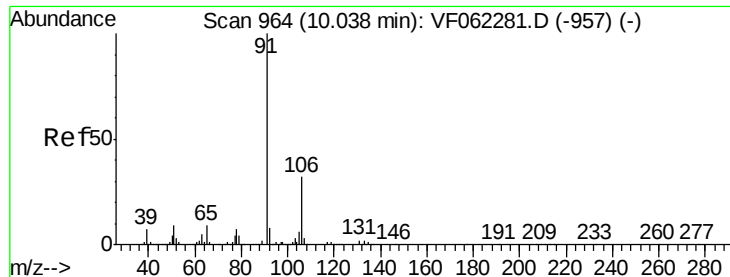
Tot Ion:112 Resp: 444699
Ion Ratio Lower Upper
112 100
114 32.4 27.0 40.6



#66
1,1,1,2-Tetrachloroethane
Concen: 52.656 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.00 min
Lab File: VF062288.D
Acq: 25 Apr 2019 12:38

Tgt Ion:131 Resp: 216740
Ion Ratio Lower Upper
131 100
133 99.2 48.5 145.5
119 66.2 32.9 98.7





#67

Ethyl Benzene

Concen: 50.872 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.00 min

Lab File: VF062288.D

Acq: 25 Apr 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

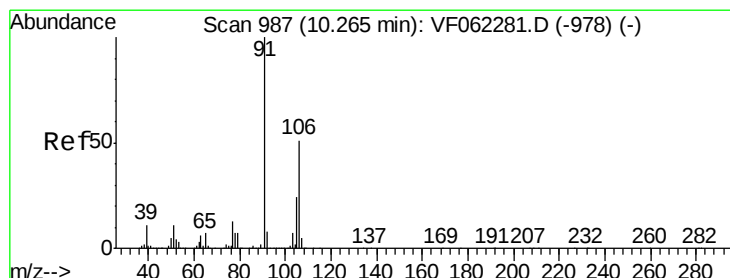
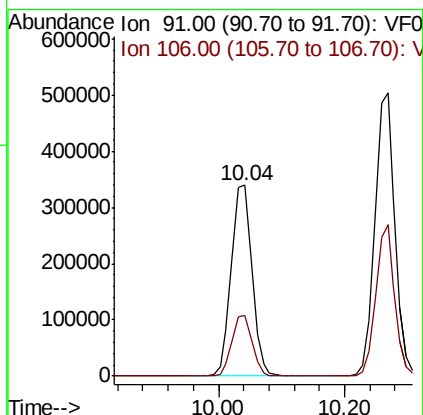
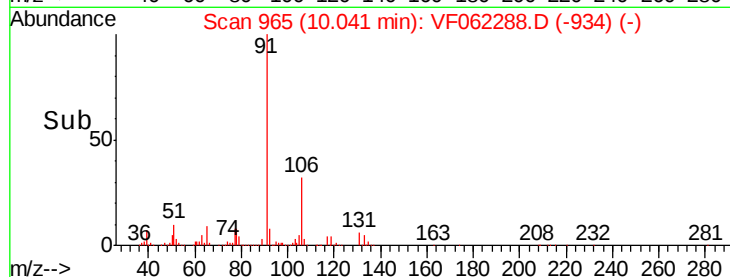
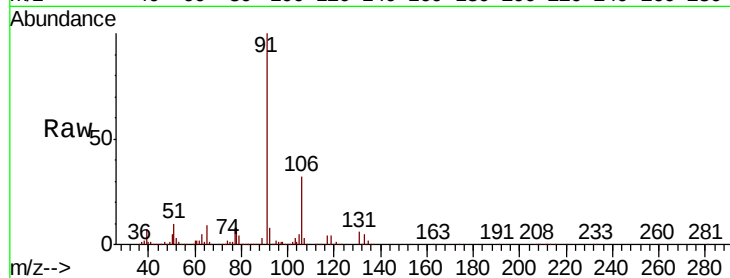
VSTDCCC050

Tot Ion: 91 Resp: 772857

Ion Ratio Lower Upper

91 100

106 31.8 25.6 38.4



#68

m/p-Xylenes

Concen: 100.392 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.00 min

Lab File: VF062288.D

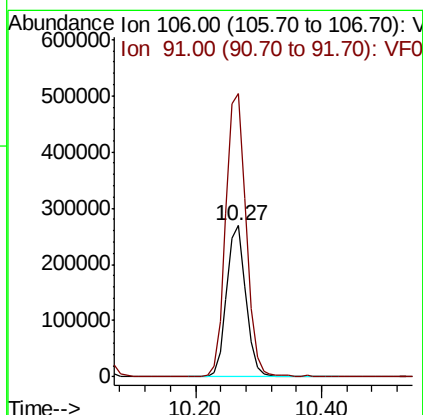
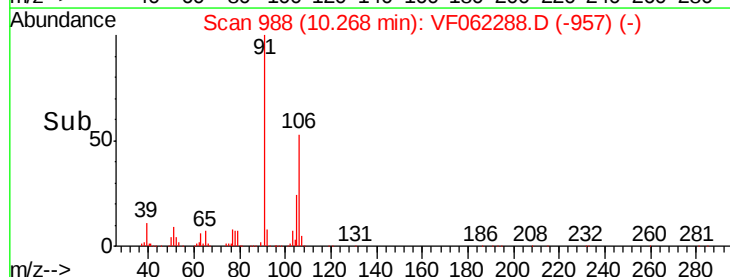
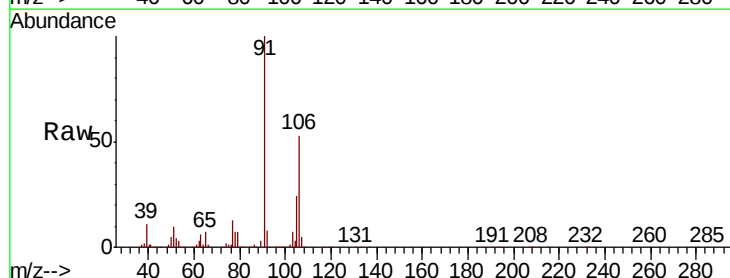
Acq: 25 Apr 2019 12:38

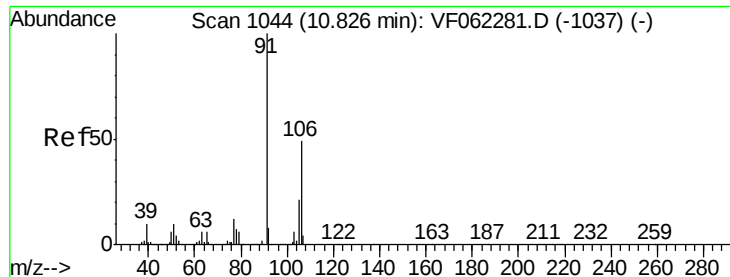
Tgt Ion: 106 Resp: 567840

Ion Ratio Lower Upper

106 100

91 197.5 158.3 237.5

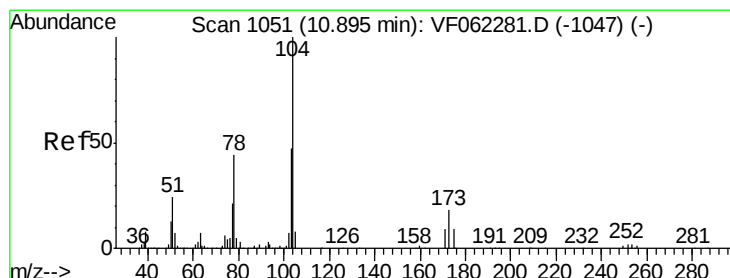
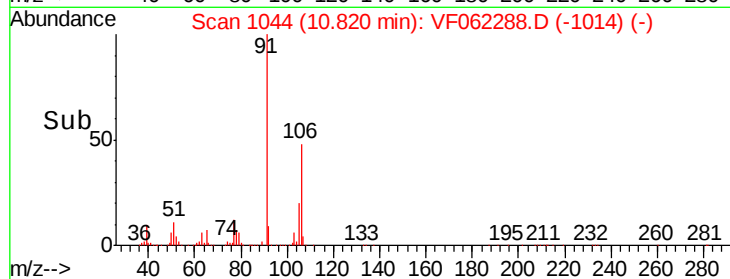
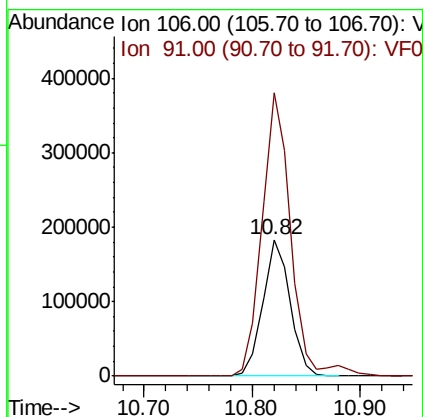
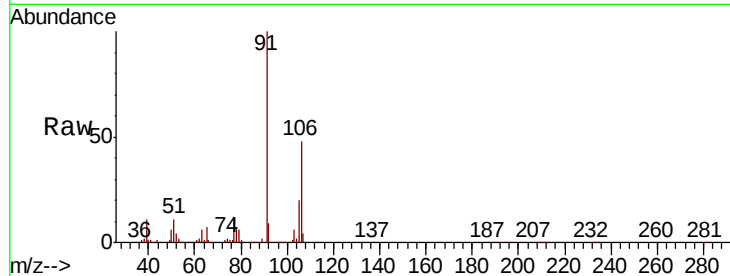




#69
o-Xylene
Concen: 51.659 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF062288.D
Acq: 25 Apr 2019 12:38

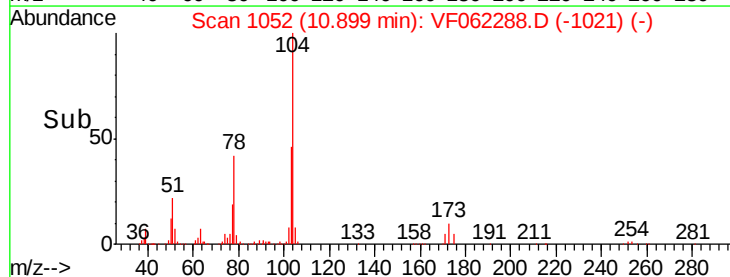
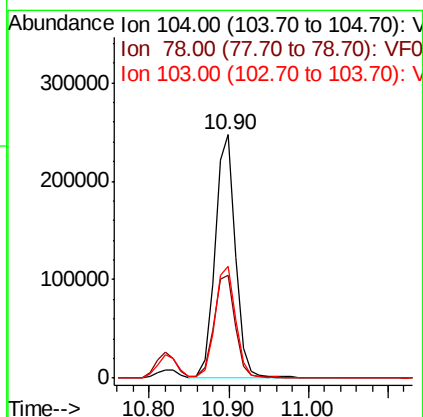
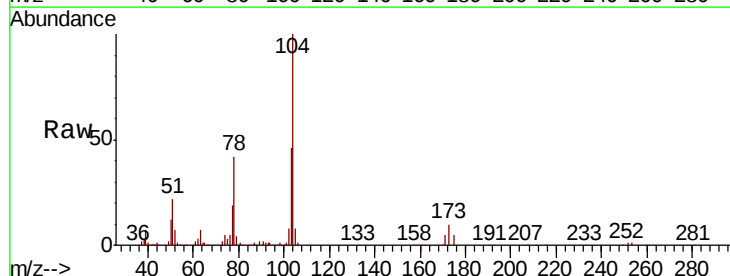
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

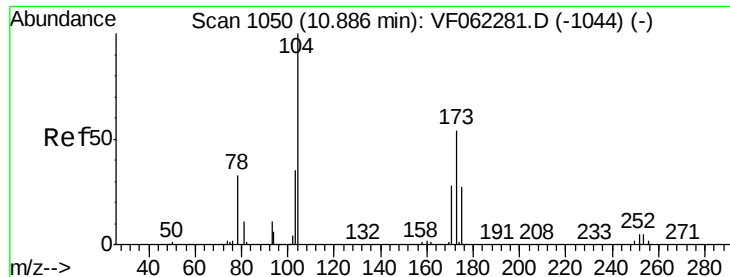
Tot Ion:106 Resp: 326446
Ion Ratio Lower Upper
106 100
91 218.1 110.0 330.0



#70
Styrene
Concen: 48.823 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF062288.D
Acq: 25 Apr 2019 12:38

Tgt Ion:104 Resp: 446005
Ion Ratio Lower Upper
104 100
78 43.8 35.9 53.9
103 46.7 37.5 56.3





#71

Bromoform

Concen: 49.720 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF062288.D

Acq: 25 Apr 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

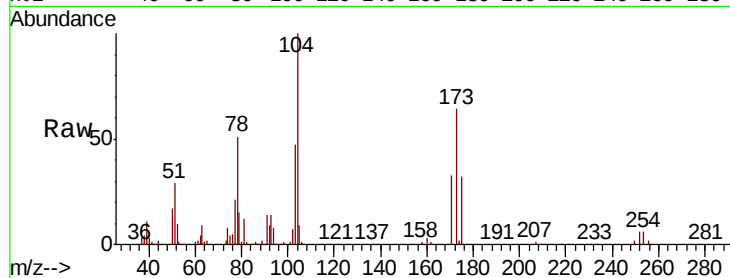
Tot Ion:173 Resp: 115200

Ion Ratio Lower Upper

173 100

175 49.6 25.3 75.9

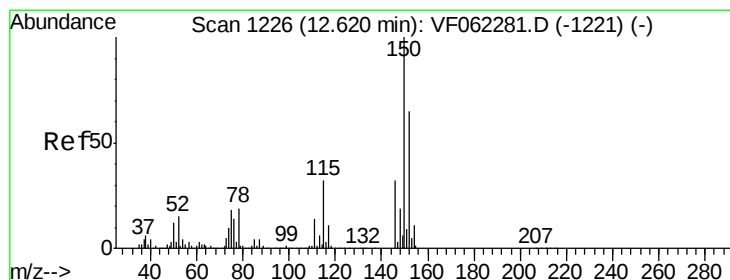
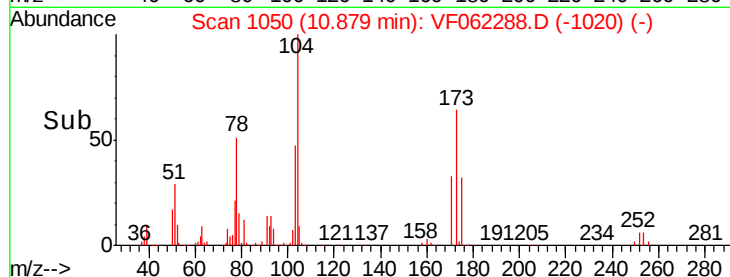
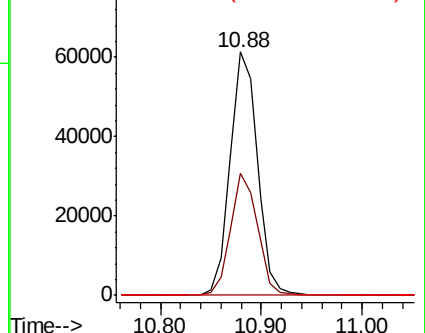
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1226

Delta R.T. -0.01 min

Lab File: VF062288.D

Acq: 25 Apr 2019 12:38

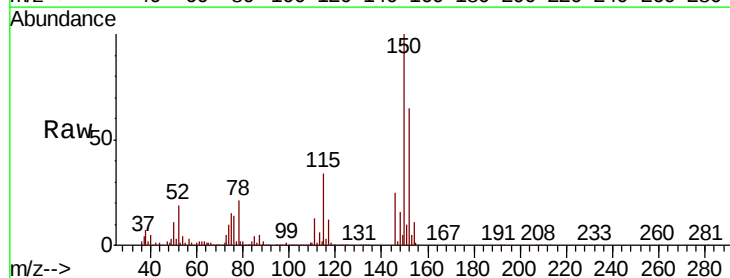
Tgt Ion:152 Resp: 253381

Ion Ratio Lower Upper

152 100

115 53.0 25.6 76.8

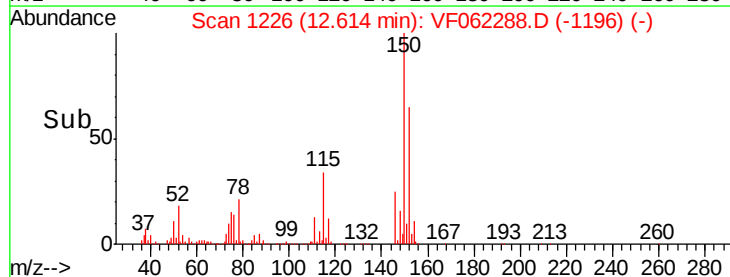
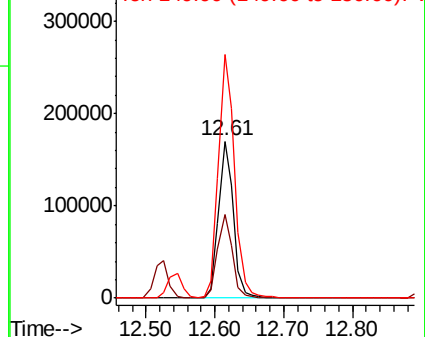
150 168.4 0.0 330.6

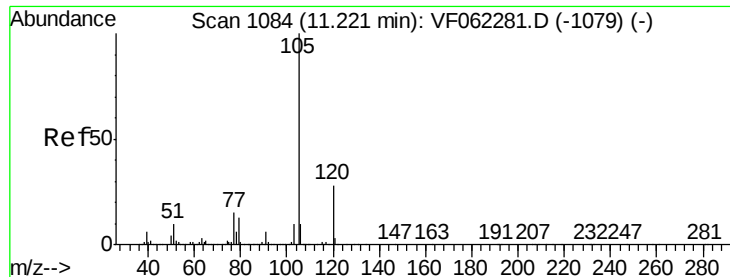


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.145 ug/l

RT: 11.21 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VF062288.D

Acq: 25 Apr 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

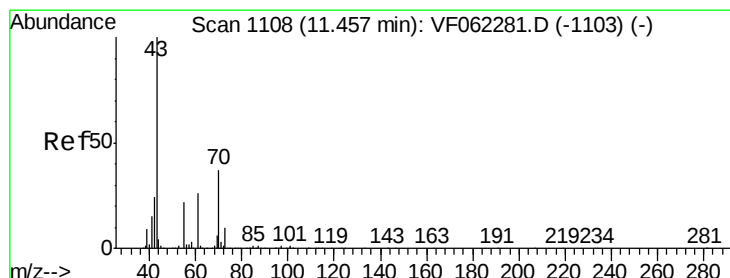
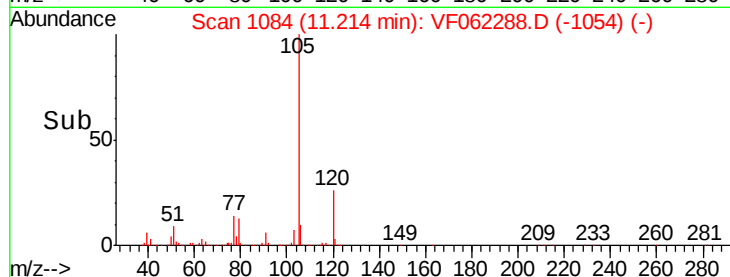
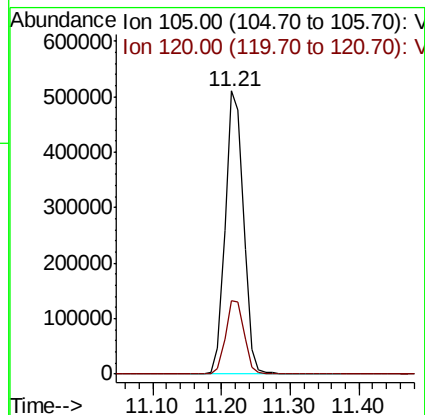
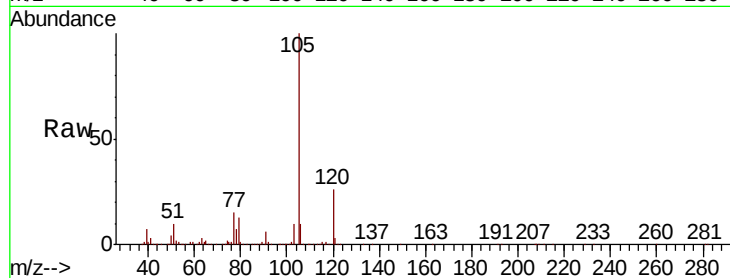
VSTDCCC050

Tot Ion:105 Resp: 939975

Ion Ratio Lower Upper

105 100

120 26.2 12.4 37.2



#74

N-ethyl acetate

Concen: 42.318 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF062288.D

Acq: 25 Apr 2019 12:38

Tgt Ion: 43 Resp: 169273

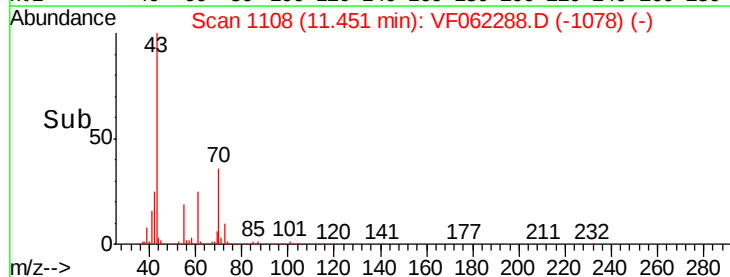
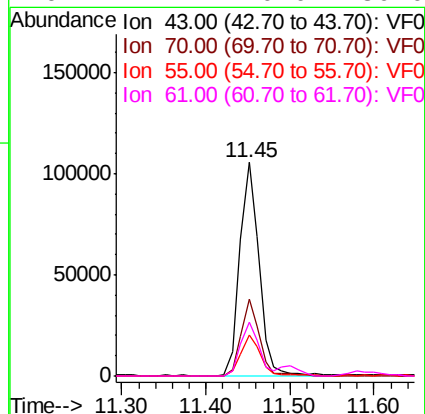
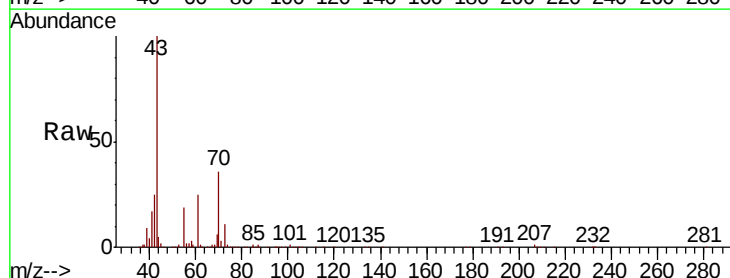
Ion Ratio Lower Upper

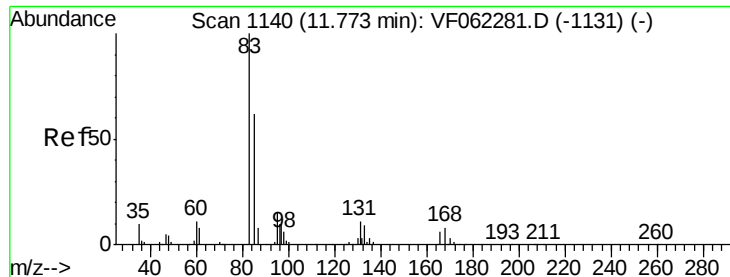
43 100

70 34.4 27.8 41.8

55 19.4 16.6 24.8

61 24.4 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.988 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VF062288.D

Acq: 25 Apr 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

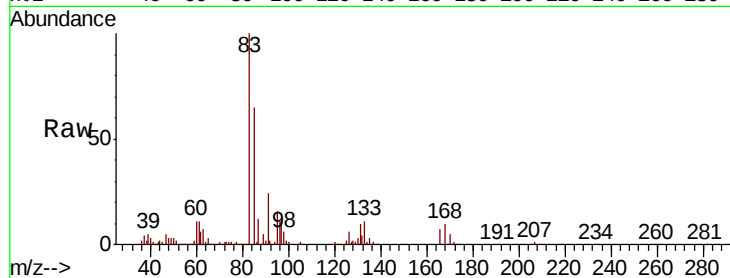
Tot Ion: 83 Resp: 146147

Ion Ratio Lower Upper

83 100

131 10.5 5.5 16.5

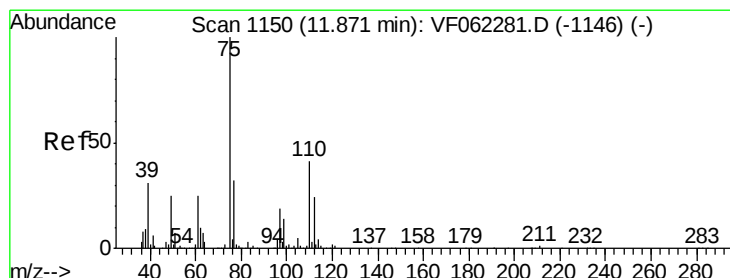
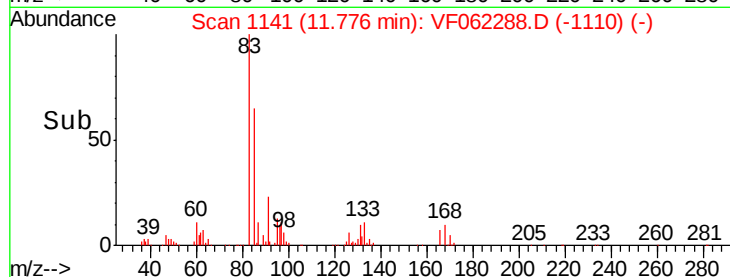
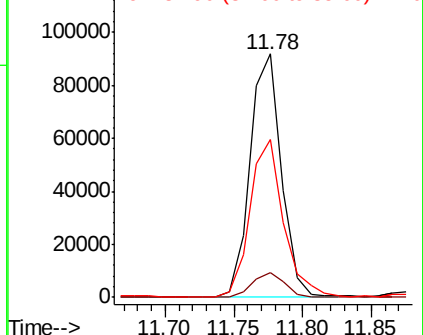
85 69.8 34.5 103.6



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 51.242 ug/l

RT: 11.87 min Scan# 1151

Delta R.T. 0.00 min

Lab File: VF062288.D

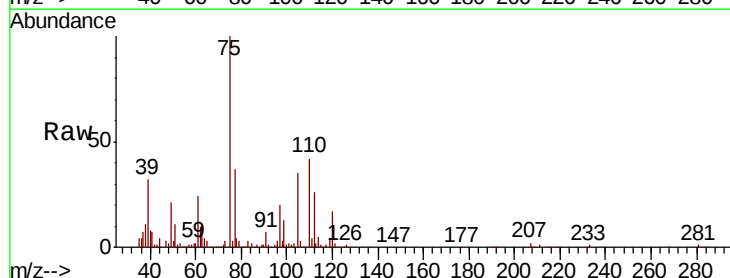
Acq: 25 Apr 2019 12:38

Tgt Ion: 75 Resp: 100274

Ion Ratio Lower Upper

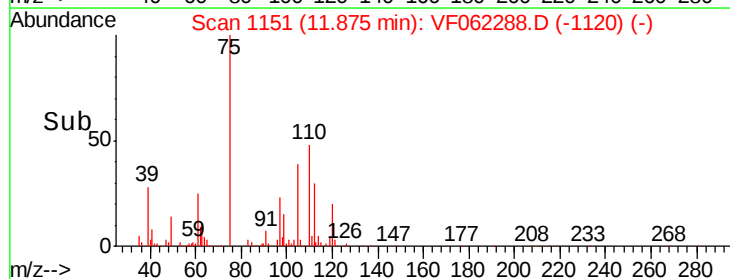
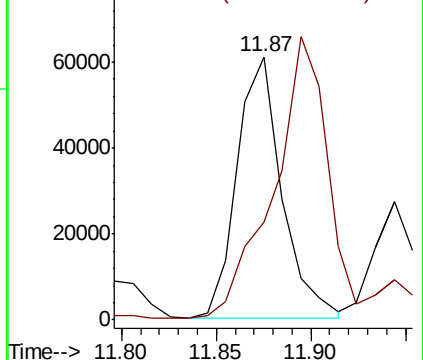
75 100

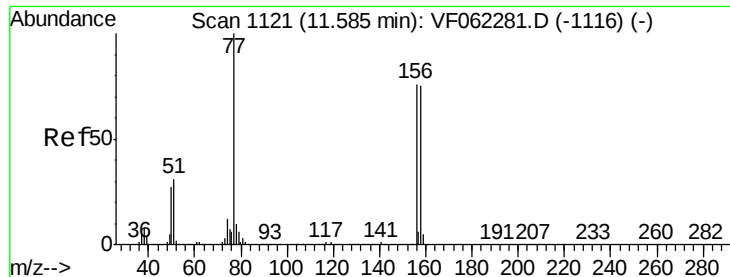
77 131.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 52.026 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF062288.D

Acq: 25 Apr 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

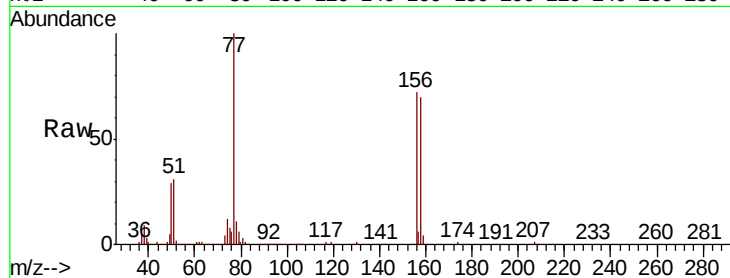
Tot Ion:156 Resp: 225790

Ion Ratio Lower Upper

156 100

77 133.8 67.3 201.9

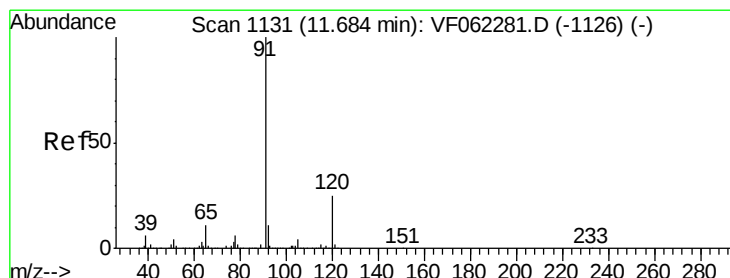
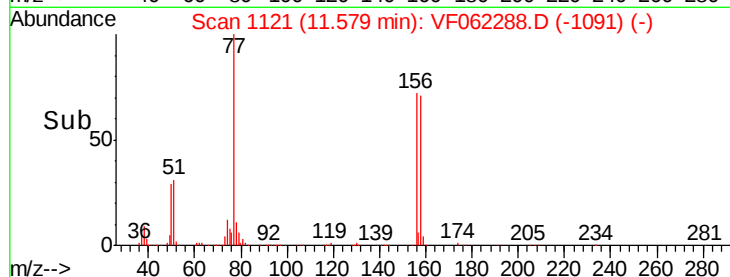
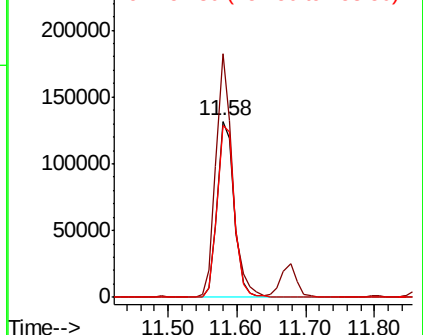
158 100.4 49.5 148.5



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: 51.761 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF062288.D

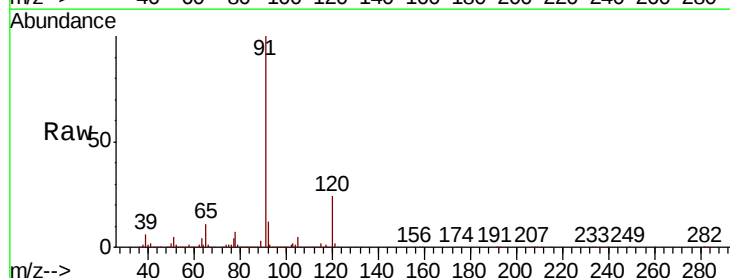
Acq: 25 Apr 2019 12:38

Tgt Ion: 91 Resp: 945505

Ion Ratio Lower Upper

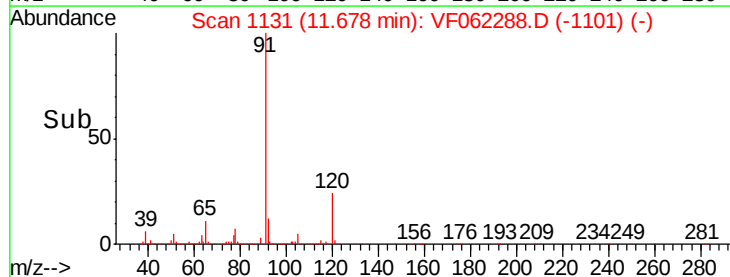
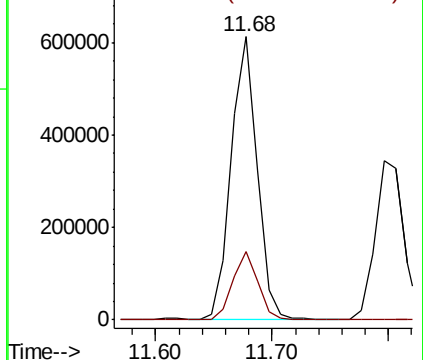
91 100

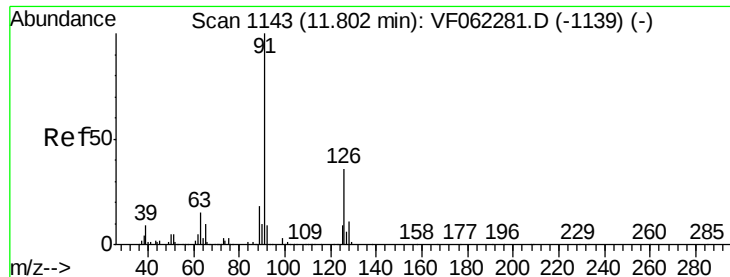
120 23.6 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.853 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF062288.D

Acq: 25 Apr 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

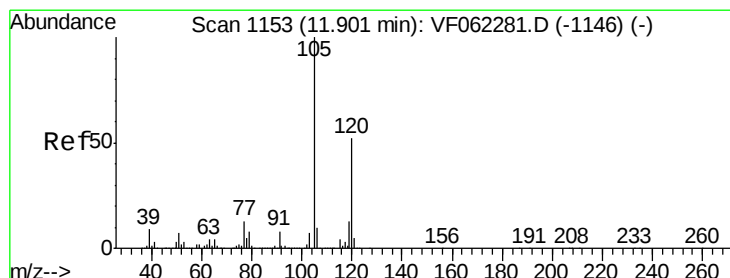
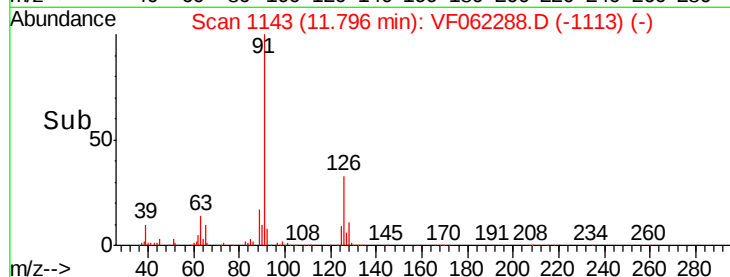
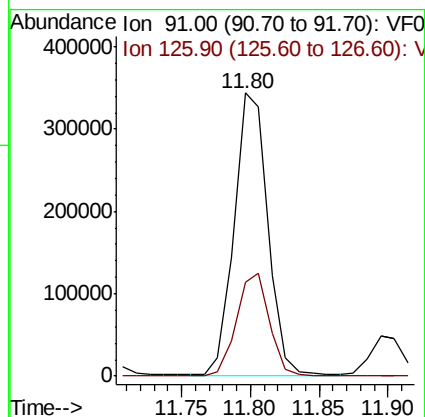
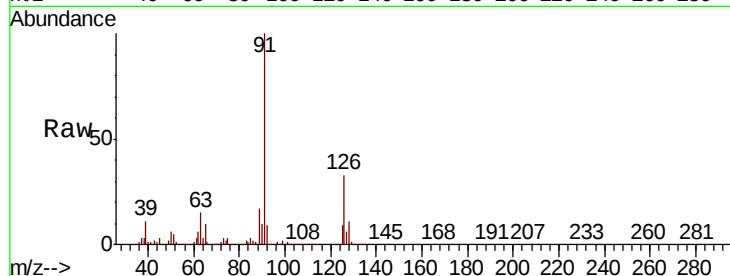
VSTDCCC050

Tot Ion: 91 Resp: 581534

Ion Ratio Lower Upper

91 100

126 35.8 17.9 53.8



#80

1,3,5-Trimethylbenzene

Concen: 53.056 ug/l

RT: 11.89 min Scan# 1153

Delta R.T. -0.01 min

Lab File: VF062288.D

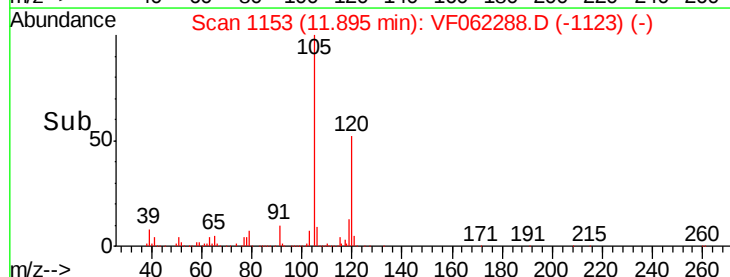
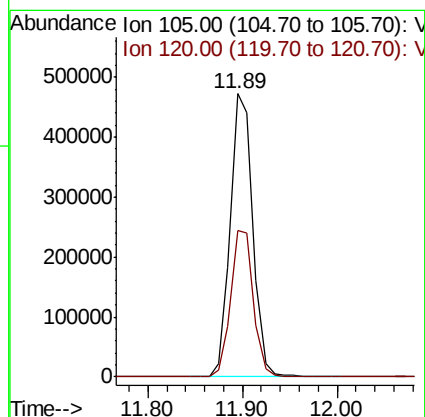
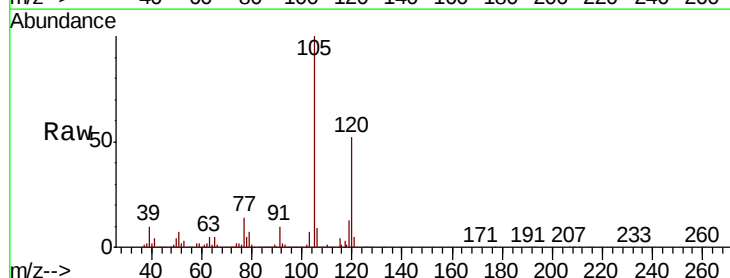
Acq: 25 Apr 2019 12:38

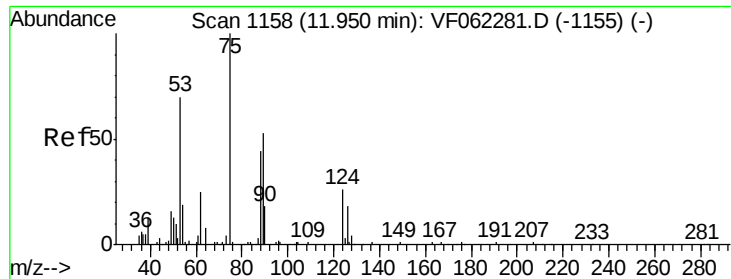
Tgt Ion:105 Resp: 777570

Ion Ratio Lower Upper

105 100

120 52.1 25.8 77.4

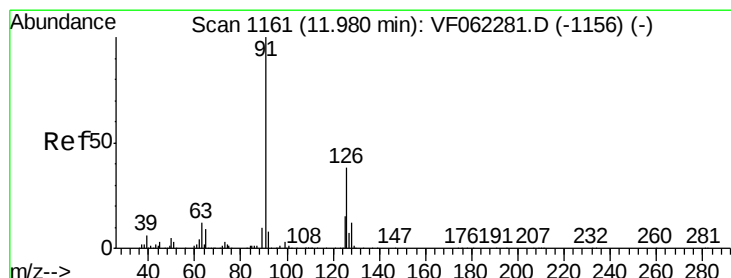
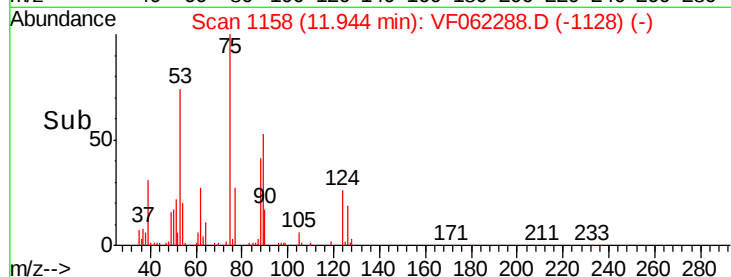
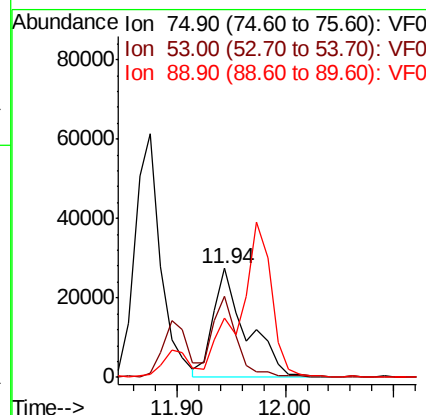
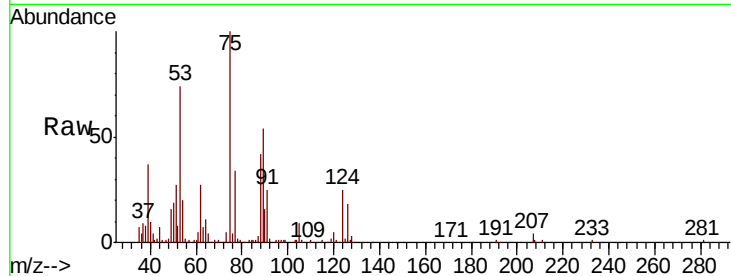




#81
trans-1,4-Dichloro-2-butene
Concen: 66.968 ug/l
RT: 11.94 min Scan# 1158
Delta R.T. -0.01 min
Lab File: VF062288.D
Acq: 25 Apr 2019 12:38

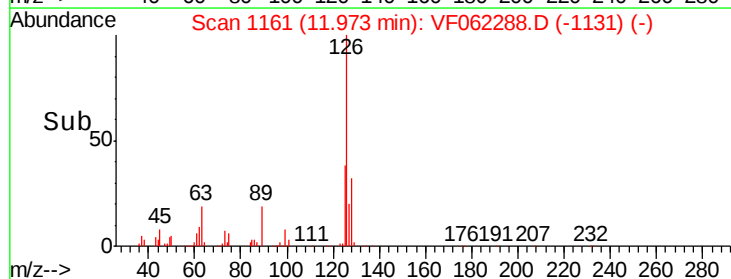
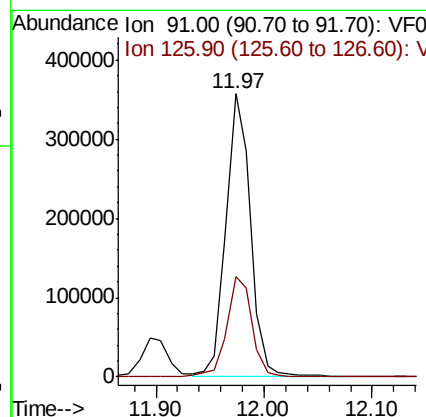
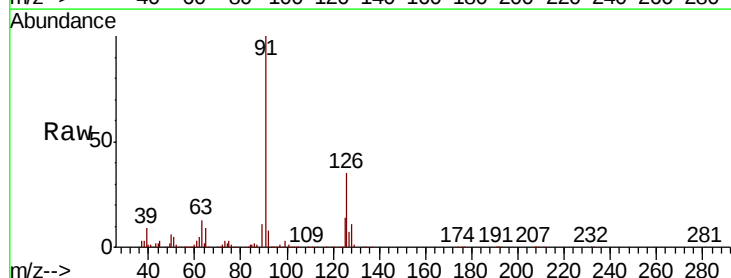
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

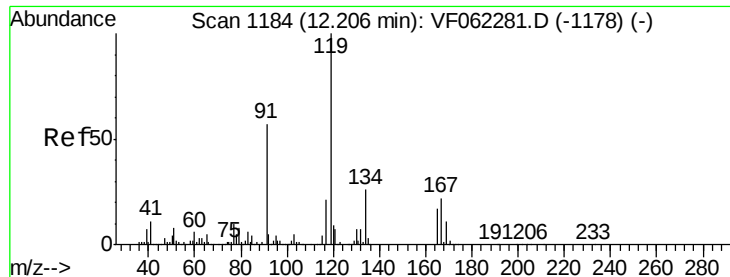
Tot Ion: 75 Resp: 58578
Ion Ratio Lower Upper
75 100
53 53.0 67.1 100.7#
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 51.272 ug/l
RT: 11.97 min Scan# 1161
Delta R.T. -0.01 min
Lab File: VF062288.D
Acq: 25 Apr 2019 12:38

Tgt Ion: 91 Resp: 558213
Ion Ratio Lower Upper
91 100
126 36.7 17.3 52.0

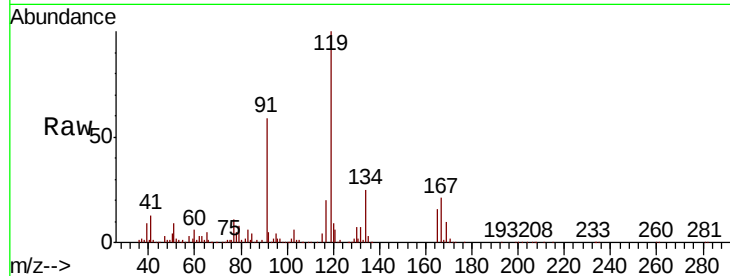




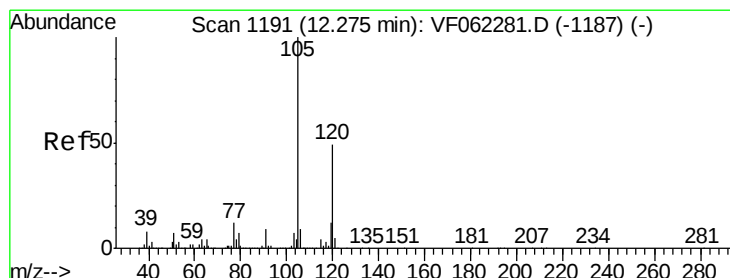
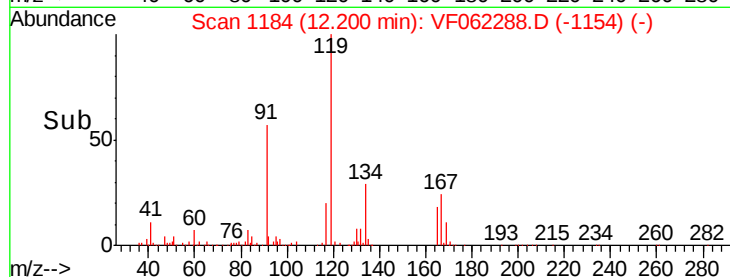
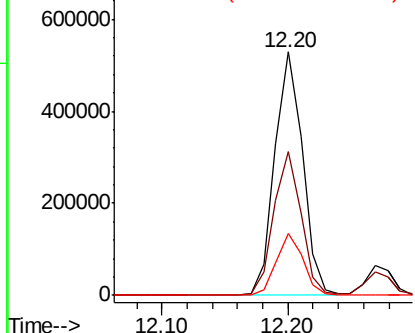
#83
tert-Butylbenzene
Concen: 54.304 ug/l
RT: 12.20 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VF062288.D
Acq: 25 Apr 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 816752
Ion Ratio Lower Upper
119 100
91 57.9 29.4 88.2
134 24.3 11.9 35.7

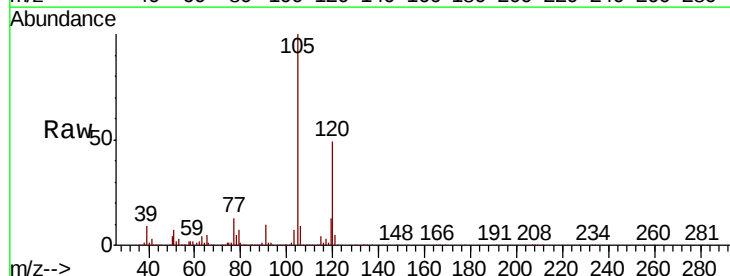


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

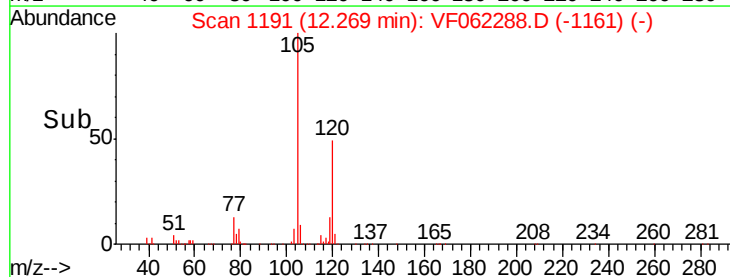
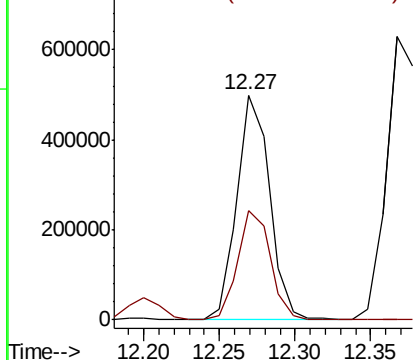


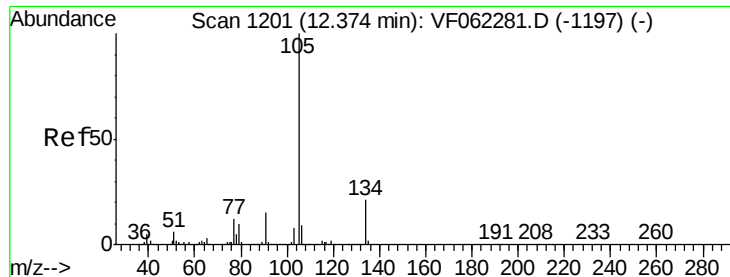
#84
1,2,4-Trimethylbenzene
Concen: 52.791 ug/l
RT: 12.27 min Scan# 1191
Delta R.T. -0.01 min
Lab File: VF062288.D
Acq: 25 Apr 2019 12:38

Tgt Ion:105 Resp: 749324
Ion Ratio Lower Upper
105 100
120 48.5 24.1 72.2



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





#85

sec-Butylbenzene

Concen: 53.364 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF062288.D

Acq: 25 Apr 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

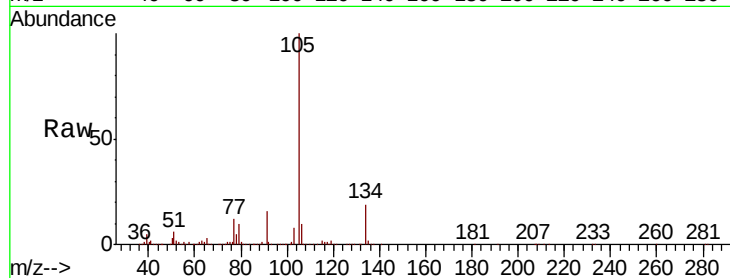
VSTDCCC050

Tot Ion:105 Resp: 999689

Ion Ratio Lower Upper

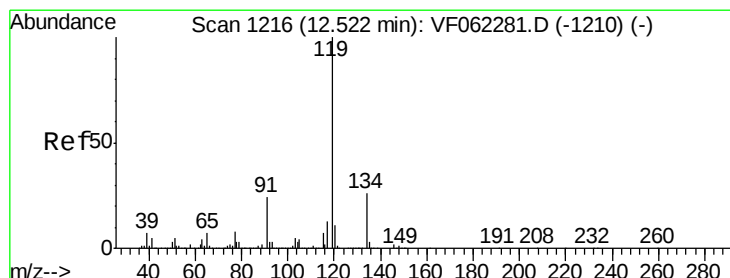
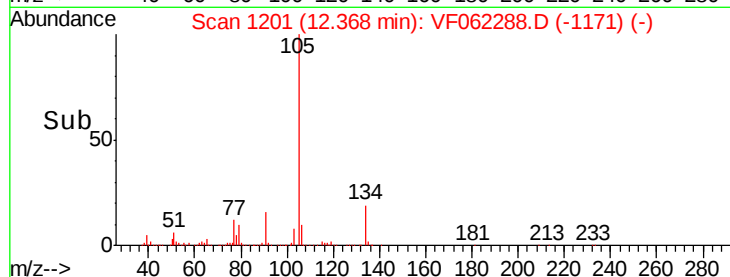
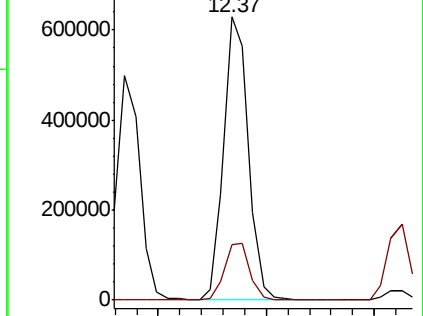
105 100

134 20.4 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.119 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF062288.D

Acq: 25 Apr 2019 12:38

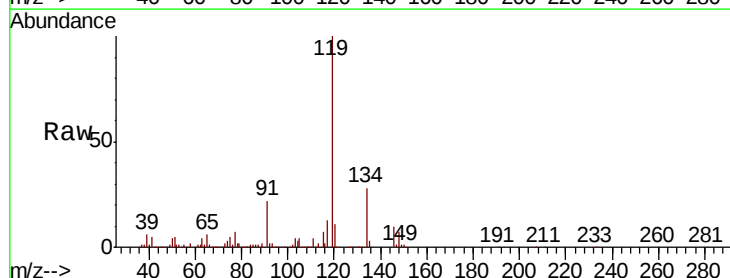
Tgt Ion:119 Resp: 908946

Ion Ratio Lower Upper

119 100

134 26.5 13.2 39.5

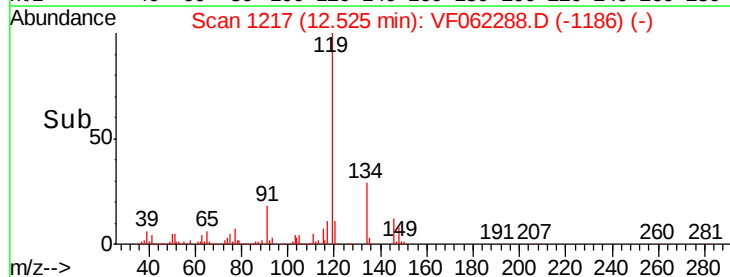
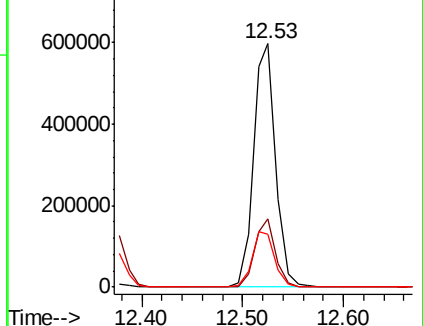
91 23.0 11.6 34.7

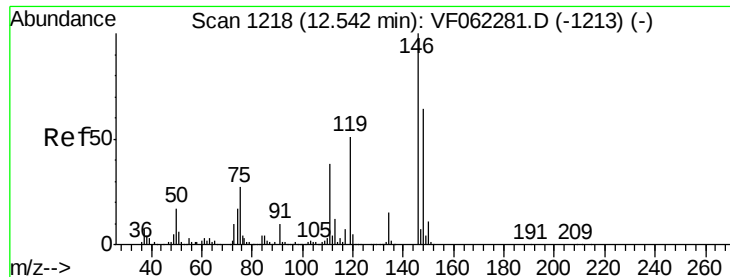


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

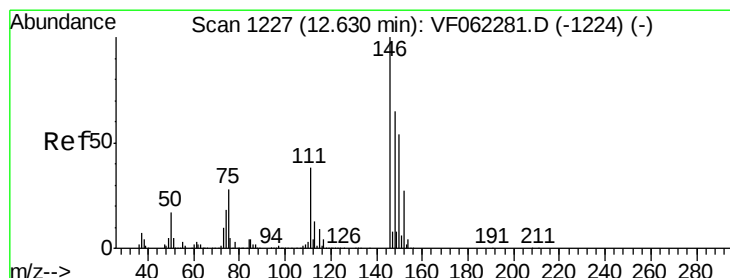
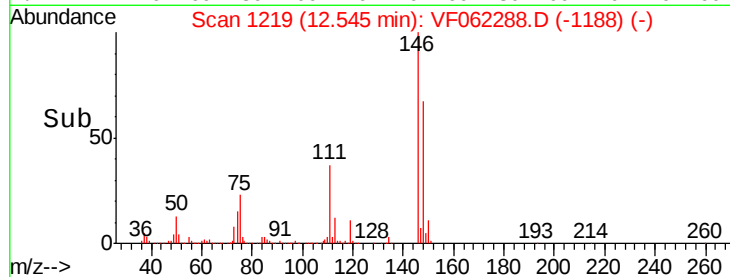
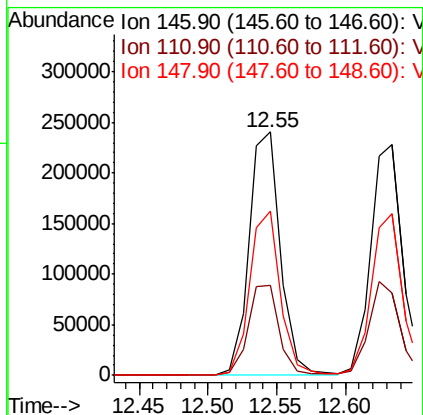
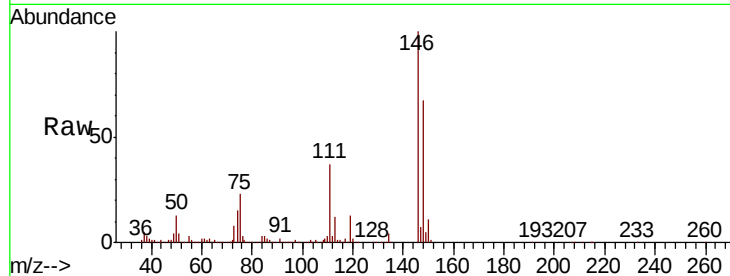




#87
 1,3-Dichlorobenzene
 Concen: 50.018 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF062288.D
 Acq: 25 Apr 2019 12:38

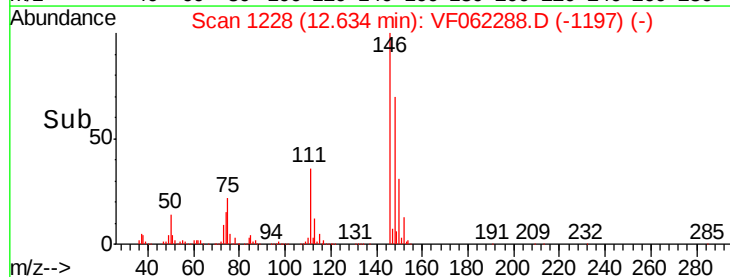
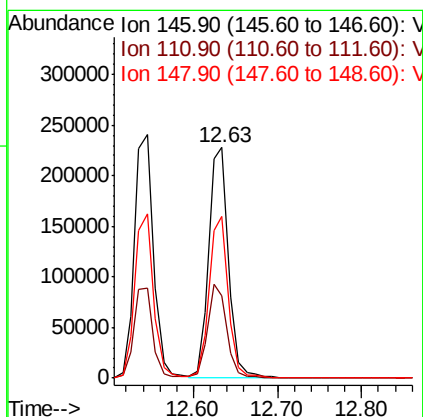
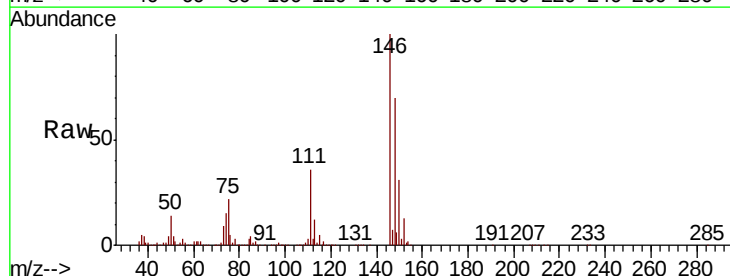
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

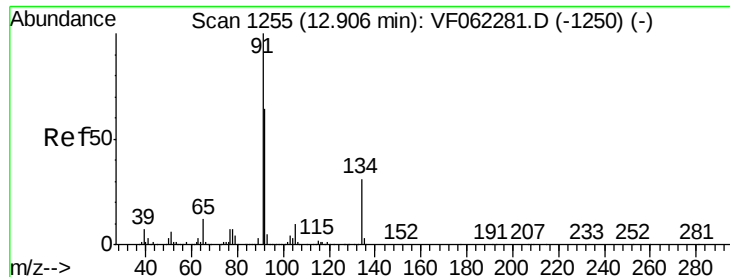
Tot Ion:146 Resp: 384037
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.6 55.8
 148 65.7 32.8 98.4



#88
 1,4-Dichlorobenzene
 Concen: 50.872 ug/l
 RT: 12.63 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VF062288.D
 Acq: 25 Apr 2019 12:38

Tgt Ion:146 Resp: 370339
 Ion Ratio Lower Upper
 146 100
 111 39.5 18.6 56.0
 148 67.7 32.5 97.5





#89

n-Butylbenzene

Concen: 51.555 ug/l

RT: 12.90 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VF062288.D

Acq: 25 Apr 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

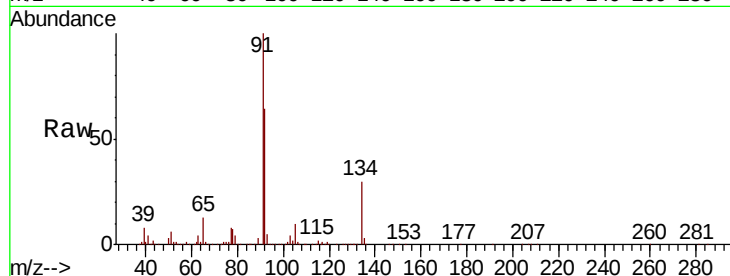
Tot Ion: 91 Resp: 786763

Ion Ratio Lower Upper

91 100

92 61.3 31.1 93.3

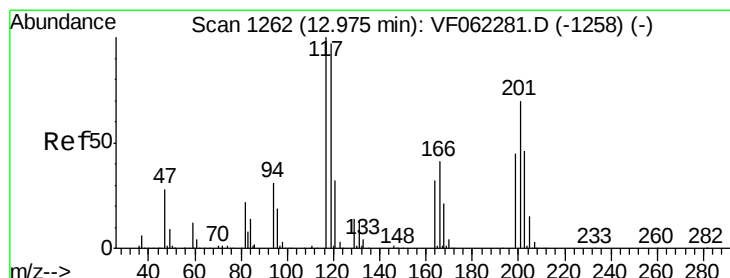
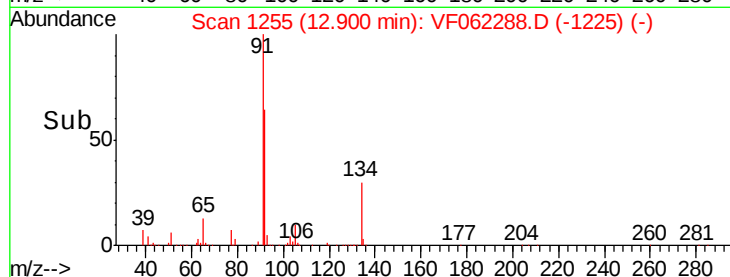
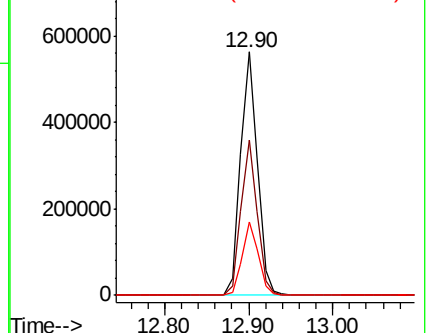
134 28.9 14.4 43.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 55.428 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VF062288.D

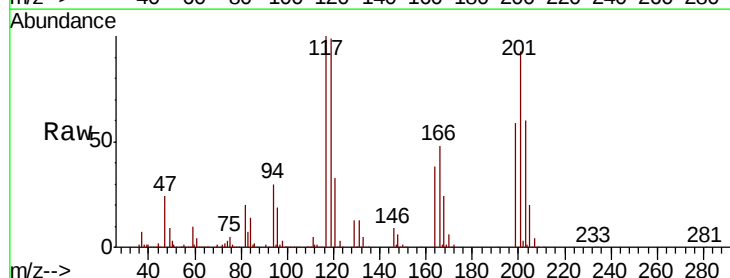
Acq: 25 Apr 2019 12:38

Tgt Ion: 117 Resp: 233354

Ion Ratio Lower Upper

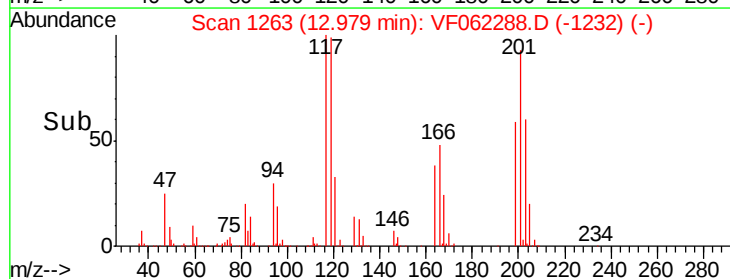
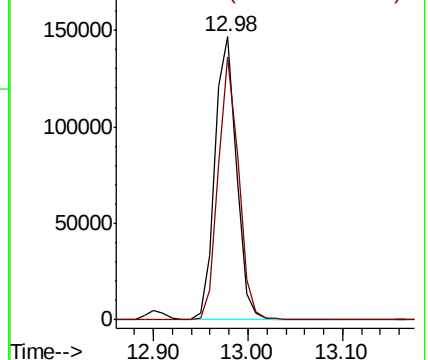
117 100

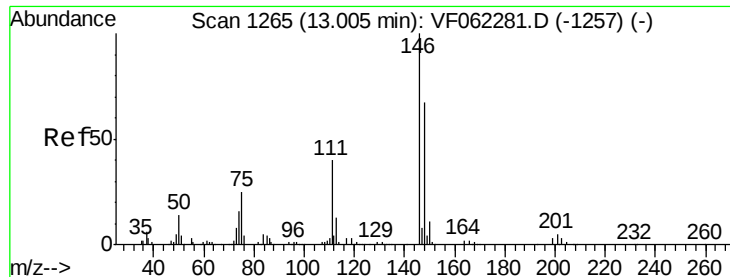
201 87.5 42.9 128.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

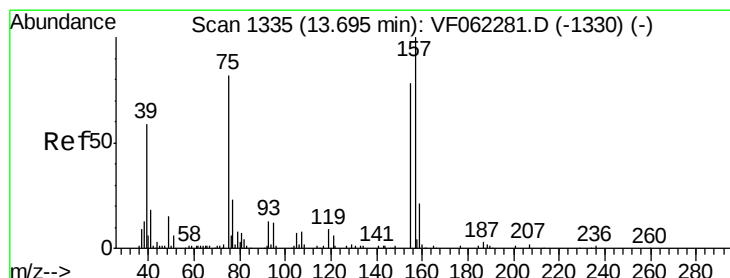
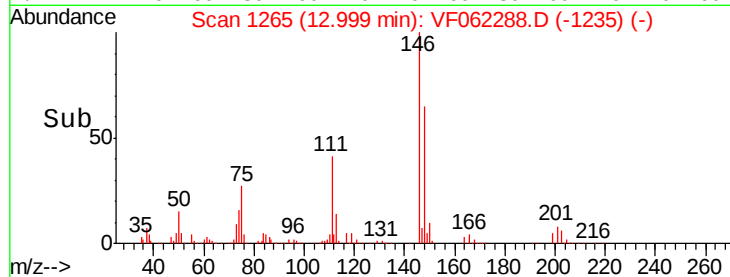
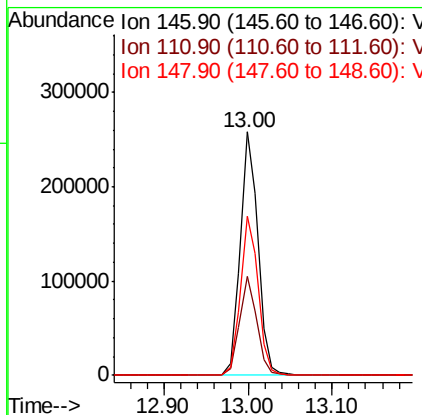
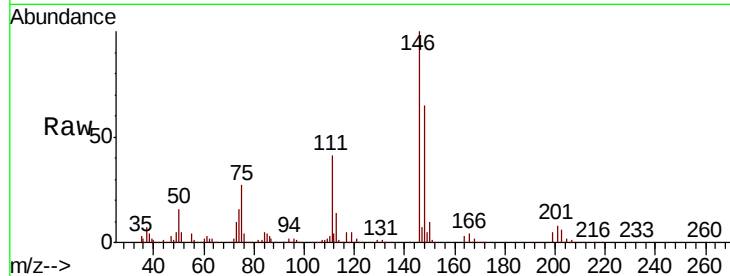




#91
 1,2-Dichlorobenzene
 Concen: 51.158 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. -0.01 min
 Lab File: VF062288.D
 Acq: 25 Apr 2019 12:38

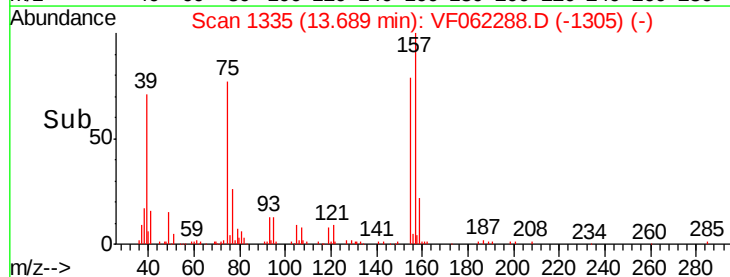
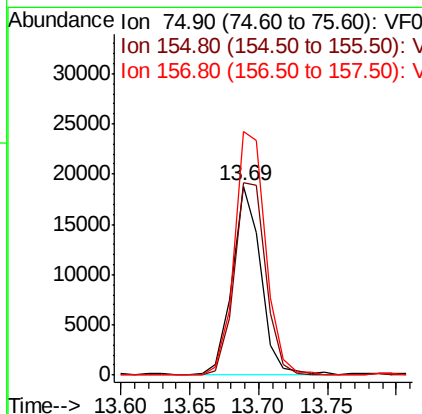
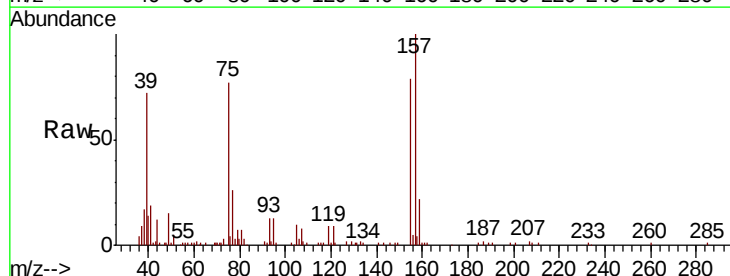
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

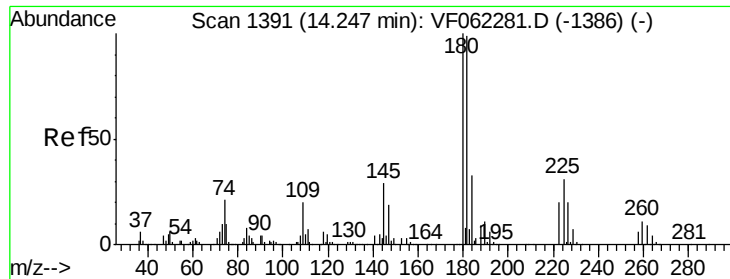
Tot Ion:146 Resp: 377038
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.0 59.9
 148 65.4 33.1 99.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.029 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. -0.01 min
 Lab File: VF062288.D
 Acq: 25 Apr 2019 12:38

Tgt Ion: 75 Resp: 27280
 Ion Ratio Lower Upper
 75 100
 155 111.6 51.7 155.2
 157 140.3 64.5 193.5

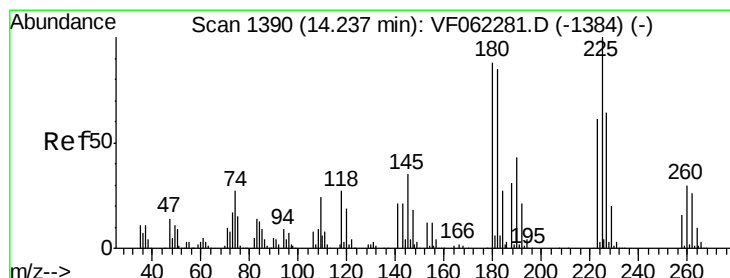
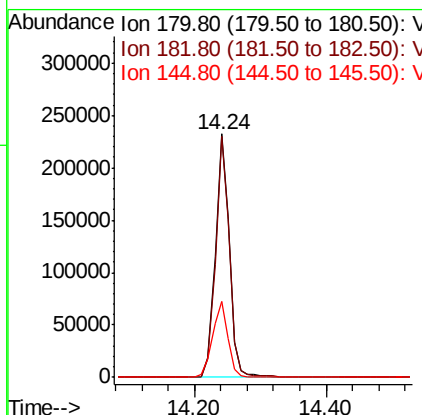
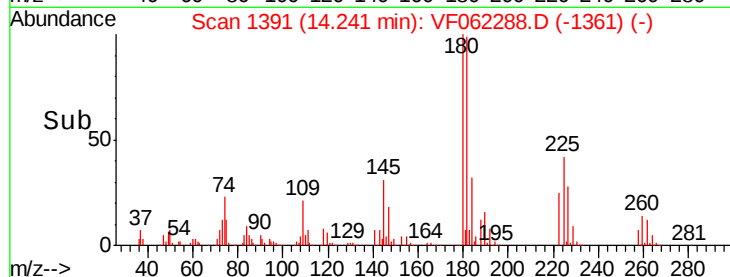
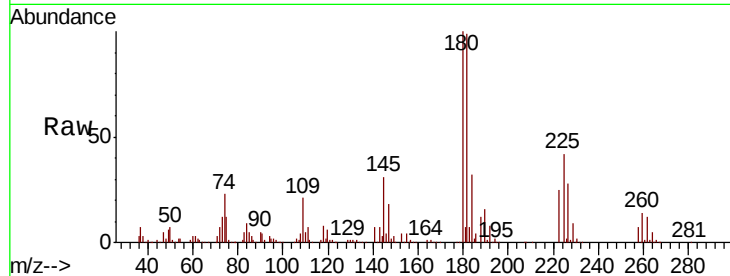




#93
 1,2,4-Trichlorobenzene
 Concen: 52.276 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VF062288.D
 Acq: 25 Apr 2019 12:38

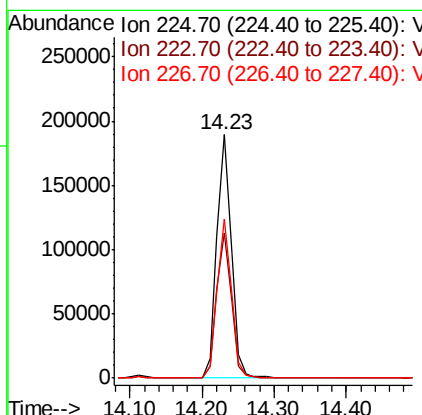
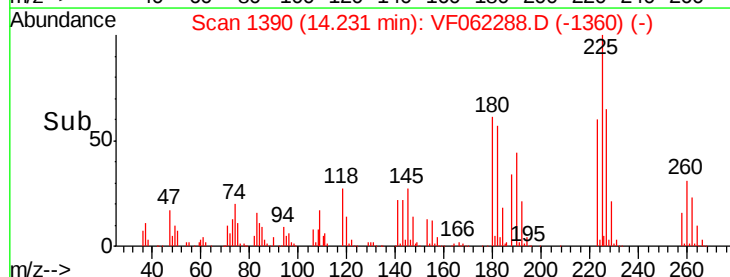
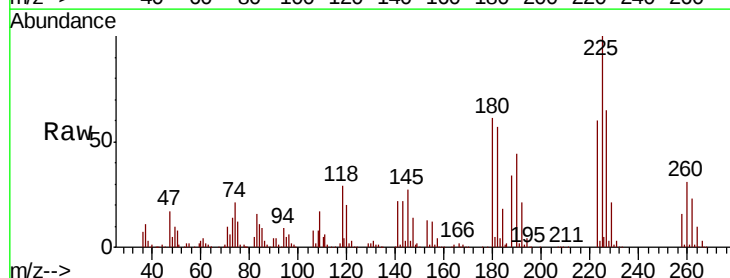
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

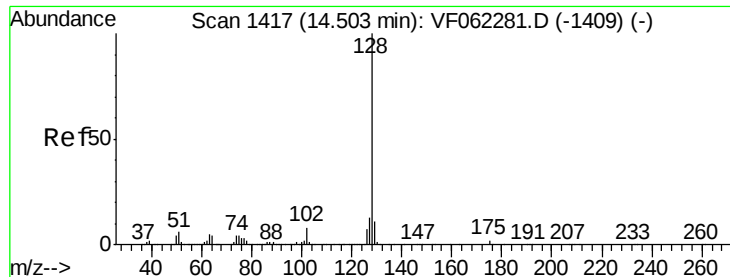
Tot Ion:180 Resp: 338478
 Ion Ratio Lower Upper
 180 100
 182 97.4 48.5 145.6
 145 33.8 16.7 50.1



#94
 Hexachlorobutadiene
 Concen: 55.824 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VF062288.D
 Acq: 25 Apr 2019 12:38

Tgt Ion:225 Resp: 259943
 Ion Ratio Lower Upper
 225 100
 223 60.2 30.8 92.3
 227 64.1 31.9 95.5

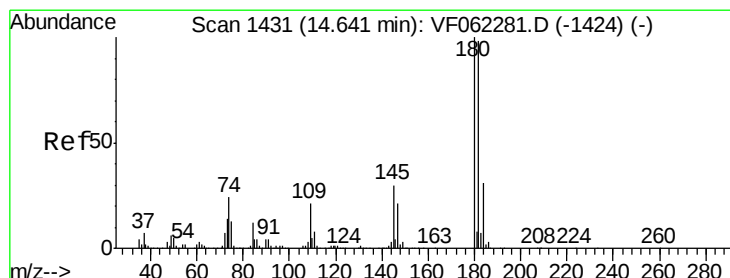
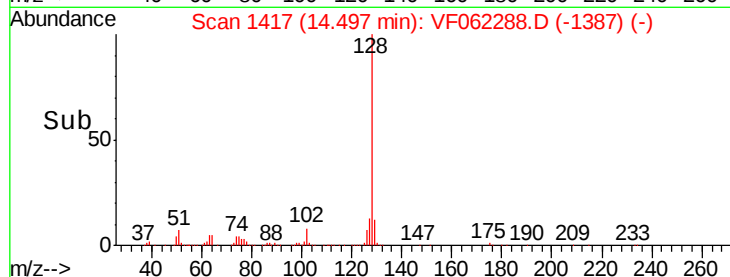
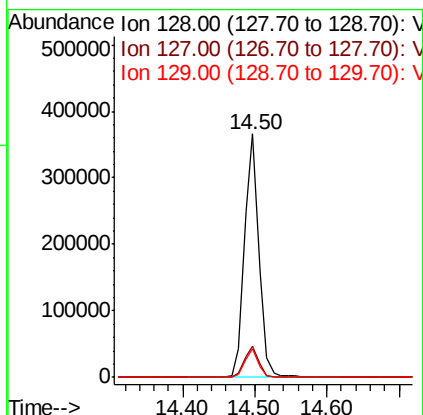
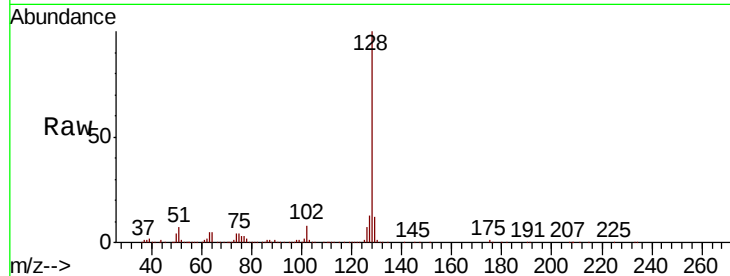




#95
Naphthalene
Concen: 51.257 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. -0.01 min
Lab File: VF062288.D
Acq: 25 Apr 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 514159
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 11.1 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 52.193 ug/l
RT: 14.64 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VF062288.D
Acq: 25 Apr 2019 12:38

Tgt Ion:180 Resp: 319614
Ion Ratio Lower Upper
180 100
182 98.2 49.0 147.2
145 29.5 14.5 43.5

