

Data File : VV014230.D
Acq On : 31 Dec 2019 10:34
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFB49

Quant Time: Jan 01 02:57:28 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR122719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 31 06:00:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	996334	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	917108	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	429236	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	194575	4.17	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.40%
7) Chloroethane-d5	1.58	69	172868	4.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.00%
11) 1,1-Dichloroethene-d2	2.13	63	377230	4.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.00%
20) 2-Butanone-d5	3.94	46	541733	46.74	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.48%
24) Chloroform-d	4.40	84	510898	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
26) 1,2-Dichloroethane-d4	5.07	65	252734	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
32) Benzene-d6	5.09	84	1066764	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.20%
36) 1,2-Dichloropropane-d6	6.11	67	340661	4.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.80%
41) Toluene-d8	7.35	98	981194	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.80%
43) trans-1,3-Dichloropropene-	7.66	79	139886	4.12	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.40%
46) 2-Hexanone-d5	8.13	63	587936	45.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.38%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	235593	4.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	327479	4.26	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	336192	4.450 ug/L	99
3) Chloromethane	1.25	50	311080	4.543 ug/L	98
5) Vinyl chloride	1.32	62	312165	4.802 ug/L	98
6) Bromomethane	1.53	94	140875	4.679 ug/L	99
8) Chloroethane	1.60	64	167034	4.822 ug/L	99
9) Trichlorofluoromethane	1.77	101	399021	4.777 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	220920	4.901 ug/L	96
12) 1,1-Dichloroethene	2.14	96	208827	4.745 ug/L	91
13) Acetone	2.21	43	292627	40.930 ug/L	95
14) Carbon disulfide	2.31	76	858618	4.458 ug/L	99
15) Methyl Acetate	2.46	43	98470	4.159 ug/L	99
16) Methylene chloride	2.53	84	305030	4.111 ug/L	94
17) Methyl tert-butyl Ether	2.80	73	726511	4.457 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	309602	4.503 ug/L	96
19) 1,1-Dichloroethane	3.23	63	591374	4.639 ug/L	98
21) 2-Butanone	4.03	43	639669	48.178 ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	342981	4.578 ug/L #	96

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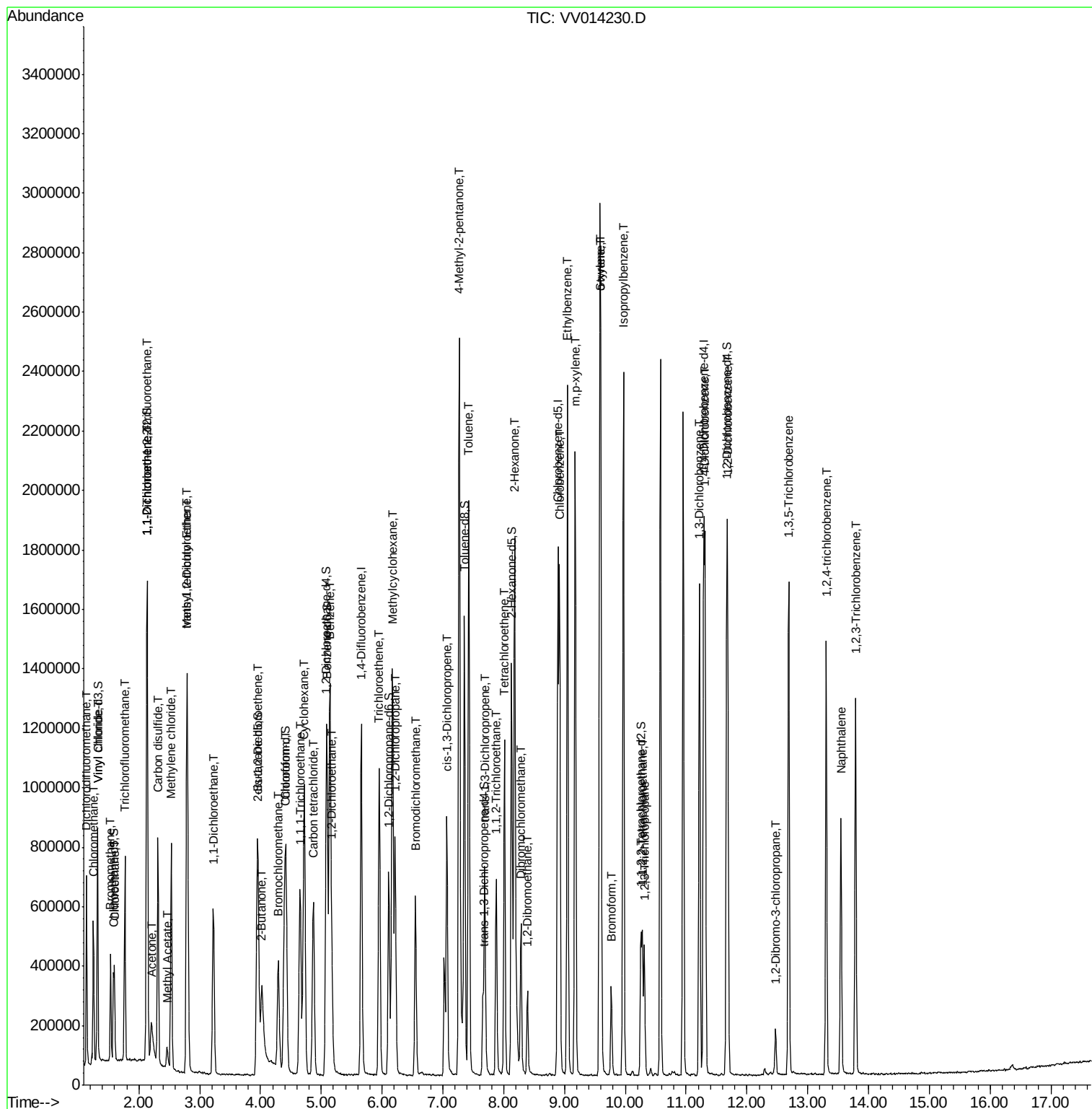
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	128105	4.400	ug/L	92
25) Chloroform	4.42	83	602211	4.659	ug/L	99
27) 1,2-Dichloroethane	5.17	62	330524	4.566	ug/L	96
29) 1,1,1-Trichloroethane	4.65	97	518009	4.654	ug/L	99
30) Cyclohexane	4.72	56	582344	4.784	ug/L	98
31) Carbon tetrachloride	4.87	117	444090	4.673	ug/L	97
33) Benzene	5.14	78	1300660	4.585	ug/L	100
34) Trichloroethene	5.95	95	376761	4.958	ug/L	99
35) Methylcyclohexane	6.17	83	590449	4.663	ug/L	98
37) 1,2-Dichloropropane	6.22	63	318511	4.622	ug/L	99
38) Bromodichloromethane	6.55	83	418093	4.546	ug/L	98
39) cis-1,3-Dichloropropene	7.06	75	522880	4.637	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	1918594	44.762	ug/L	98
42) Toluene	7.42	91	1389518	4.459	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	405529	4.598	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	206572	4.395	ug/L	99
47) Tetrachloroethene	8.01	164	240221	4.522	ug/L	97
48) 2-Hexanone	8.18	43	1337827	45.133	ug/L	100
49) Dibromochloromethane	8.28	129	260726	4.350	ug/L	98
50) 1,2-Dibromoethane	8.39	107	195243	4.323	ug/L	95
51) Chlorobenzene	8.92	112	861021	4.468	ug/L	100
52) Ethylbenzene	9.05	91	1608244	4.649	ug/L	99
53) m,p-xylene	9.18	106	585876	4.507	ug/L	99
54) o-xylene	9.58	106	563842	4.441	ug/L	95
55) Styrene	9.60	104	969556	4.550	ug/L	100
56) Isopropylbenzene	9.97	105	1533562	4.606	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	239903	4.234	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	184683	4.385	ug/L	100
61) Bromoform	9.77	173	132866	4.241	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	643929	4.532	ug/L	100
63) 1,4-Dichlorobenzene	11.31	146	640308	4.508	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	576722	4.428	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	42577	3.969	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	479122	4.631	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	413538	4.557	ug/L	99
69) Naphthalene	13.55	128	677463	4.099	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	347991	4.393	ug/L	98

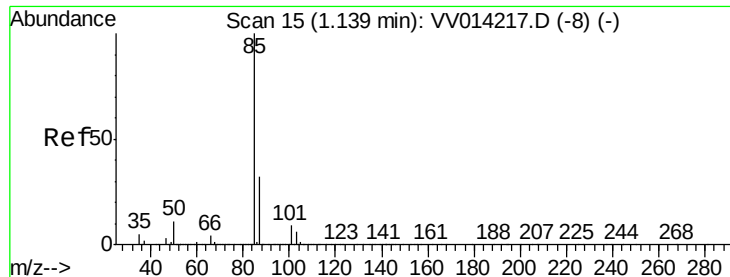
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.450 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014230.D

Acq: 31 Dec 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

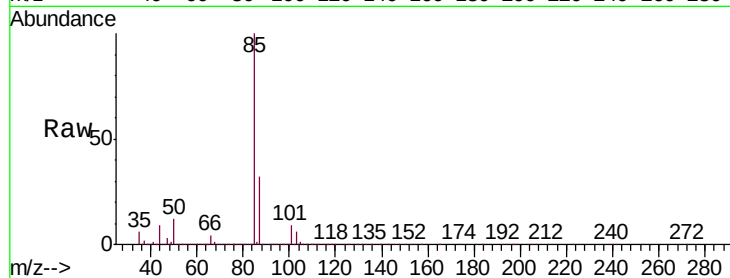
BFB49

Tgt Ion: 85 Resp: 336192

Ion Ratio Lower Upper

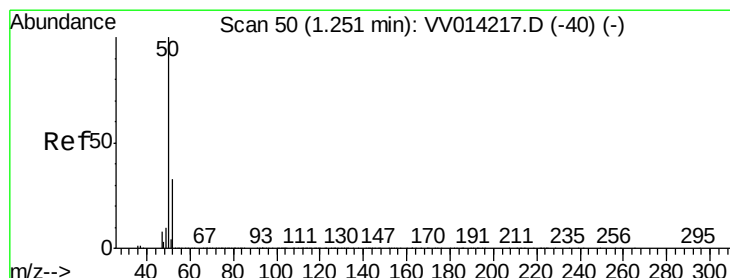
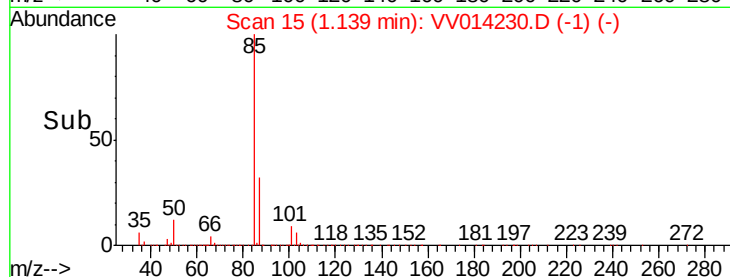
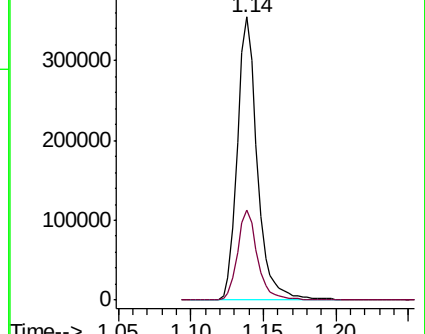
85 100

87 32.0 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.543 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV014230.D

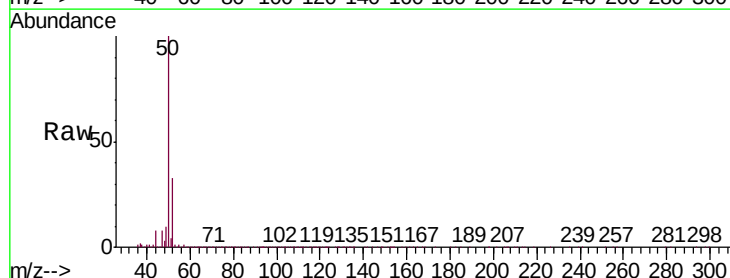
Acq: 31 Dec 2019 10:34

Tgt Ion: 50 Resp: 311080

Ion Ratio Lower Upper

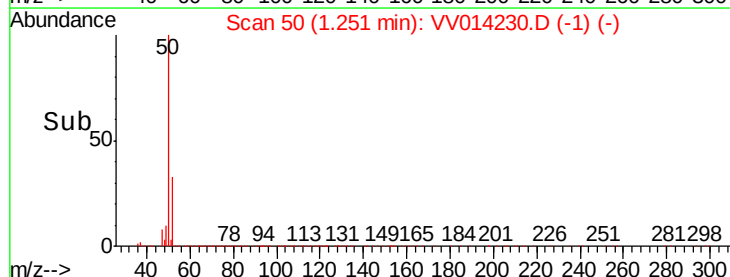
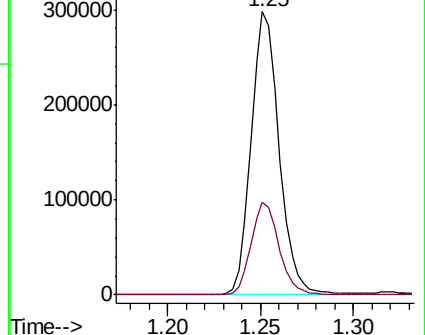
50 100

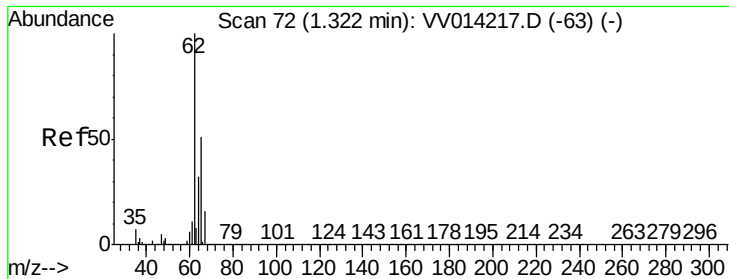
52 32.8 22.3 41.3



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.802 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV014230.D

Acq: 31 Dec 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

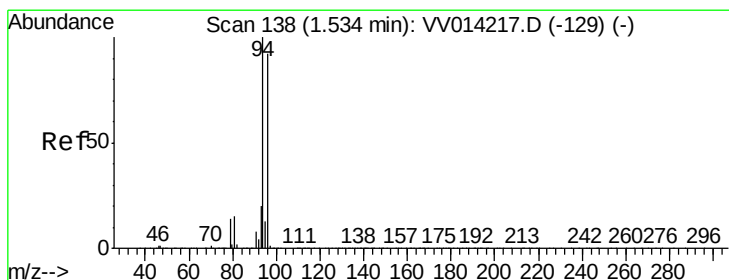
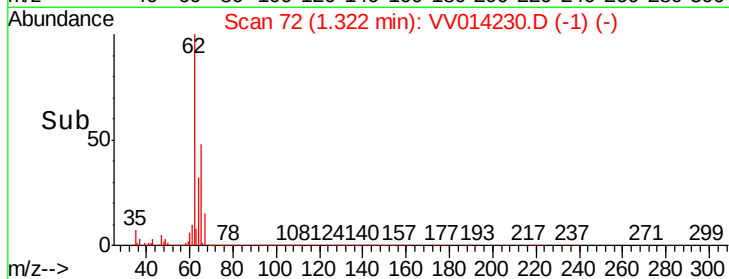
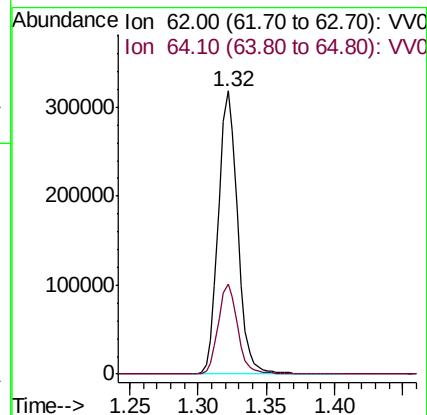
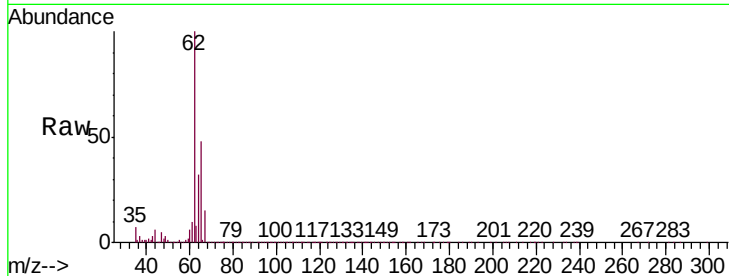
BFB49

Tgt Ion: 62 Resp: 312165

Ion Ratio Lower Upper

62 100

64 31.9 23.0 42.6



#6

Bromomethane

Concen: 4.679 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV014230.D

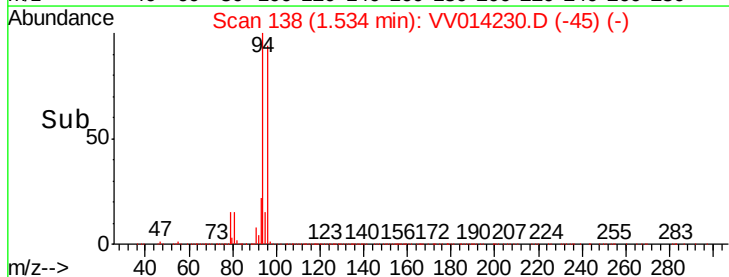
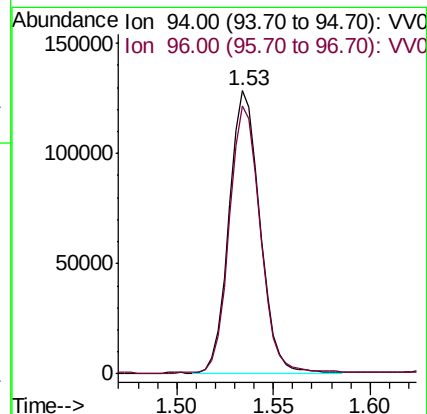
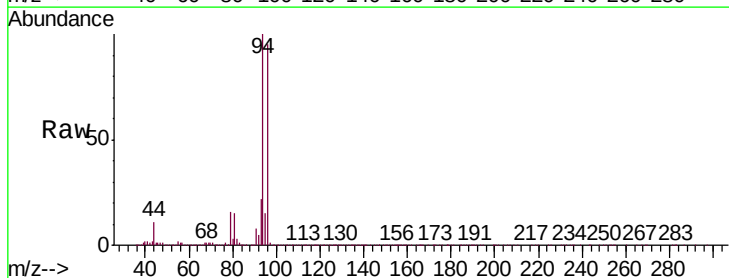
Acq: 31 Dec 2019 10:34

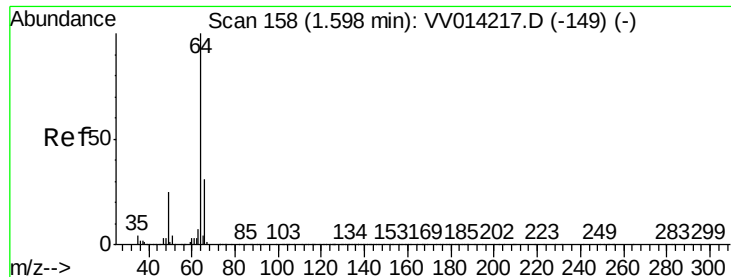
Tgt Ion: 94 Resp: 140875

Ion Ratio Lower Upper

94 100

96 94.6 66.9 124.3





#8

Chloroethane

Concen: 4.822 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV014230.D

Acq: 31 Dec 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

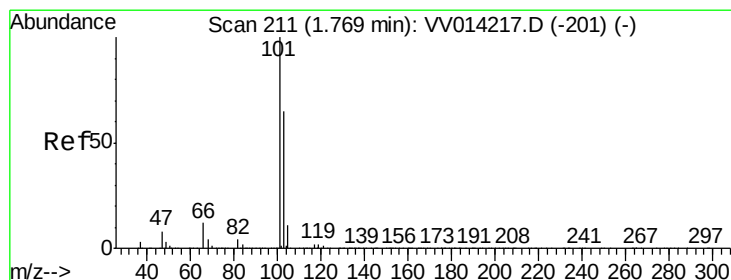
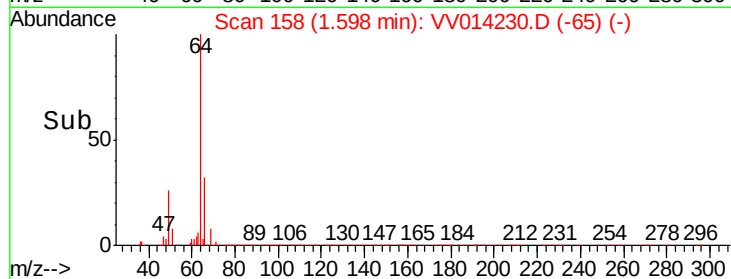
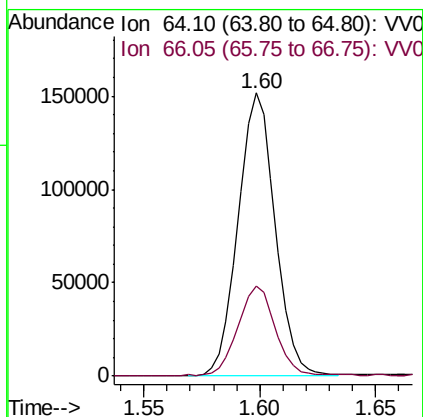
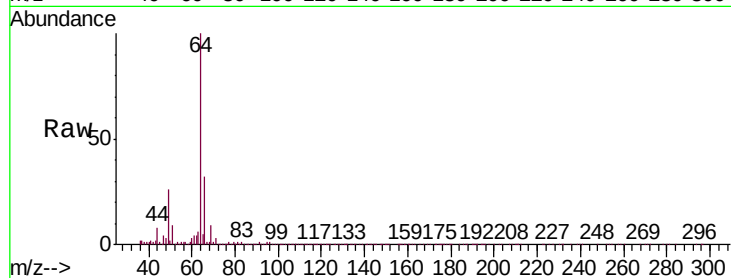
BFB49

Tgt Ion: 64 Resp: 167034

Ion Ratio Lower Upper

64 100

66 31.9 21.8 40.6



#9

Trichlorofluoromethane

Concen: 4.777 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV014230.D

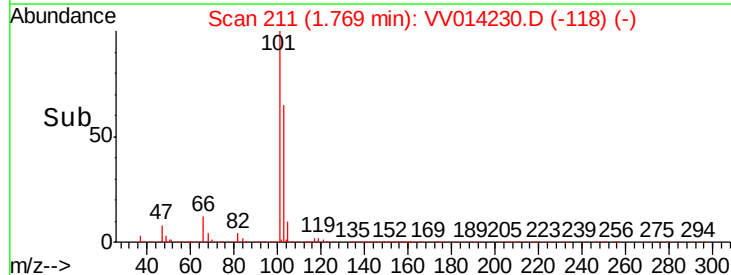
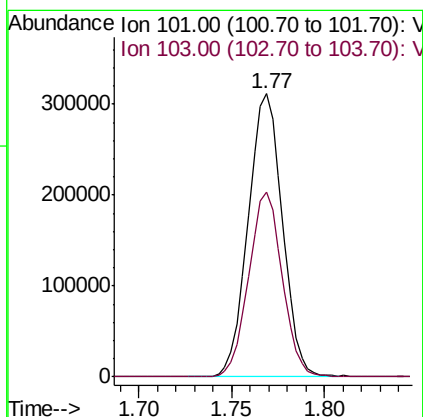
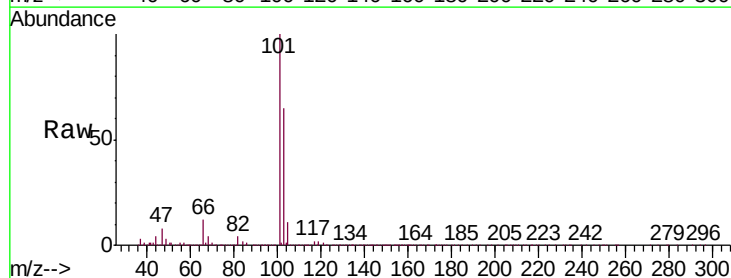
Acq: 31 Dec 2019 10:34

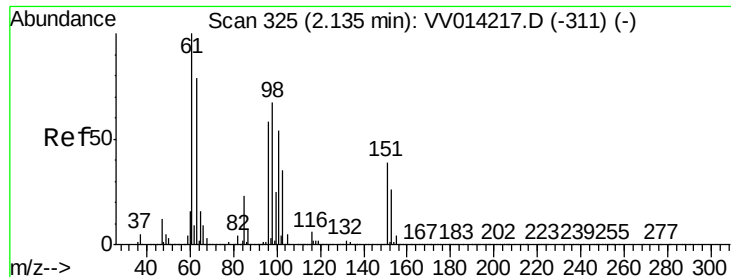
Tgt Ion: 101 Resp: 399021

Ion Ratio Lower Upper

101 100

103 63.8 52.6 78.8





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 4.901 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV014230.D

Acq: 31 Dec 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

BFB49

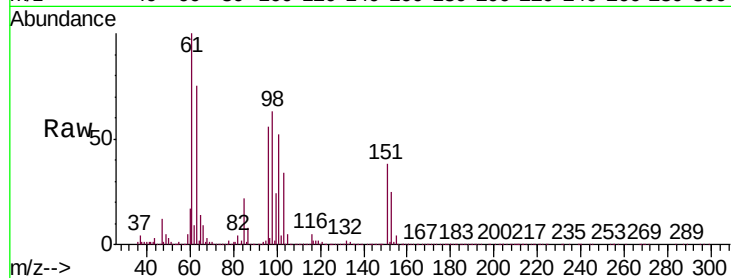
Tgt Ion: 101 Resp: 220920

Ion Ratio Lower Upper

101 100

85 42.2 34.9 52.3

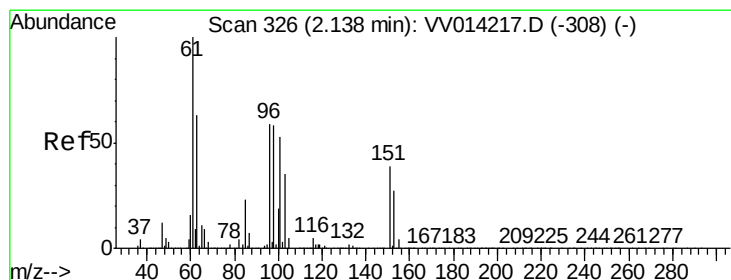
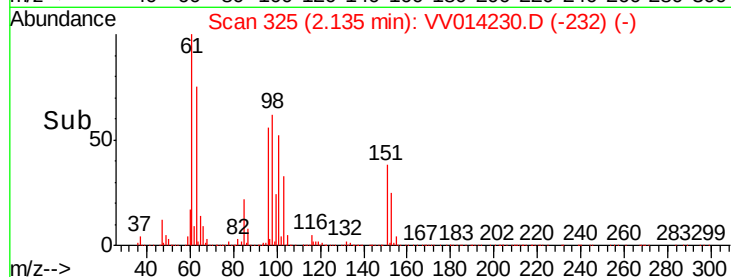
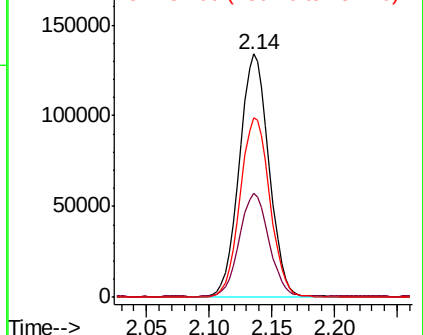
151 74.1 62.5 93.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.745 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV014230.D

Acq: 31 Dec 2019 10:34

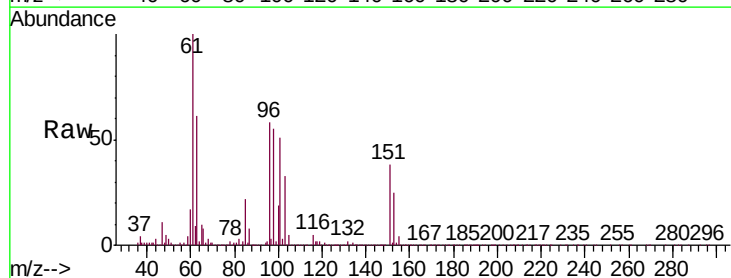
Tgt Ion: 96 Resp: 208827

Ion Ratio Lower Upper

96 100

61 172.7 121.5 225.7

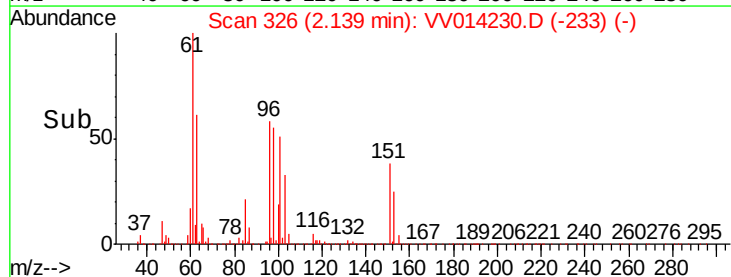
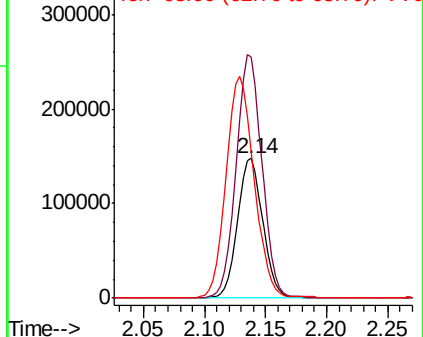
63 104.8 90.3 167.7

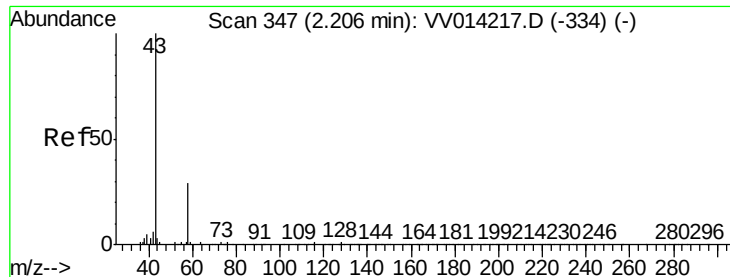


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 40.930 ug/L

RT: 2.21 min Scan# 347

Delta R.T. 0.00 min

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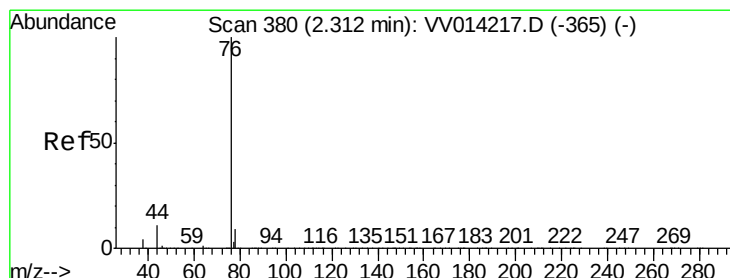
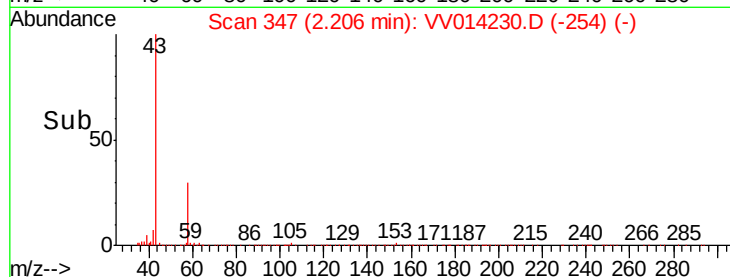
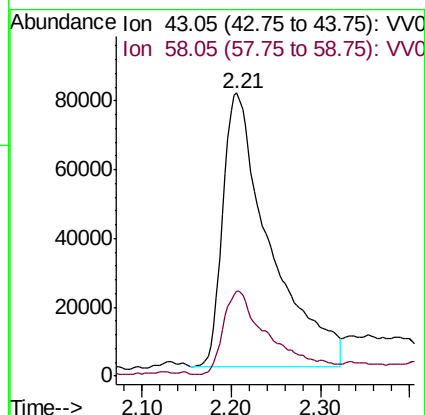
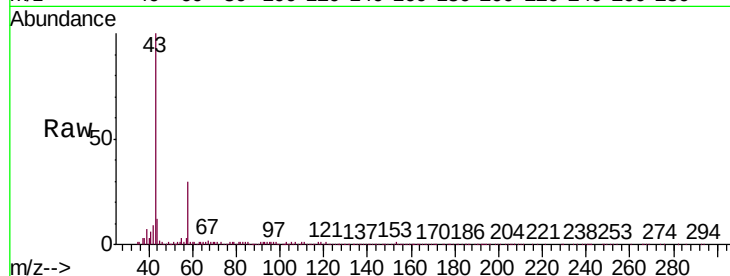
BFB49

Tgt Ion: 43 Resp: 292627

Ion Ratio Lower Upper

43 100

58 30.4 0.0 66.0



#14

Carbon disulfide

Concen: 4.458 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV014230.D

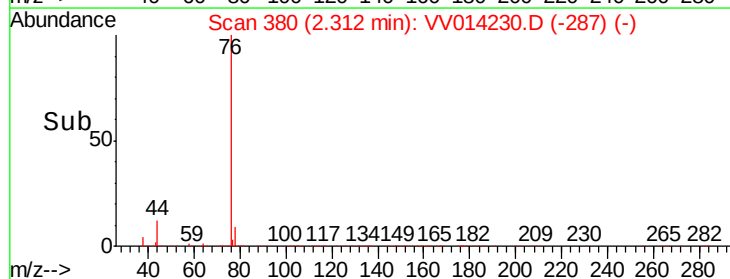
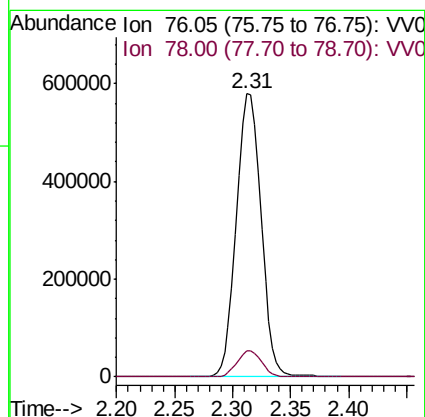
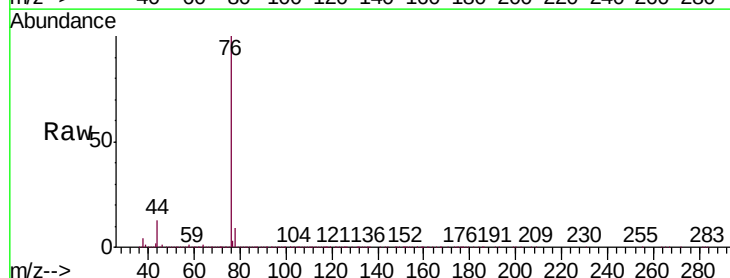
Acq: 31 Dec 2019 10:34

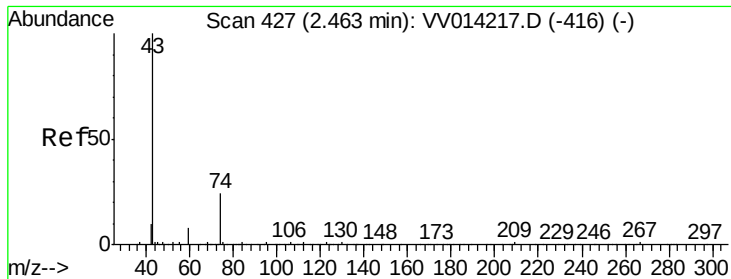
Tgt Ion: 76 Resp: 858618

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3

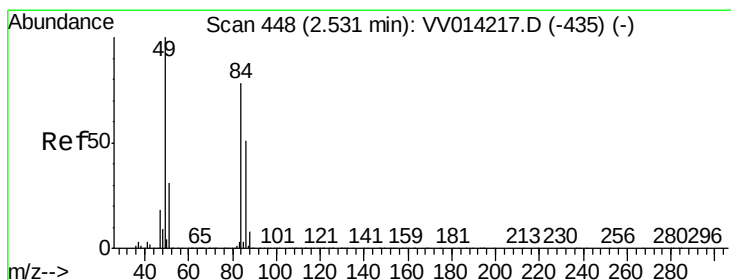
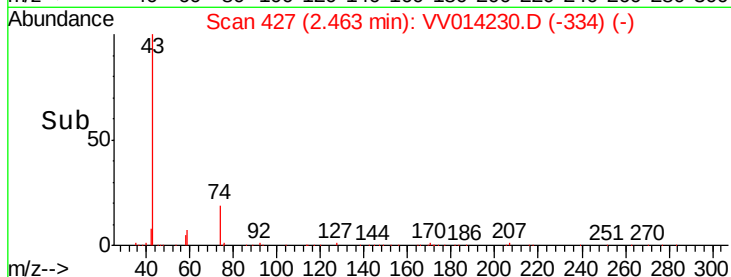
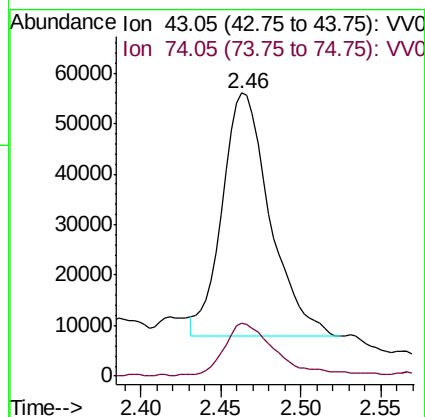
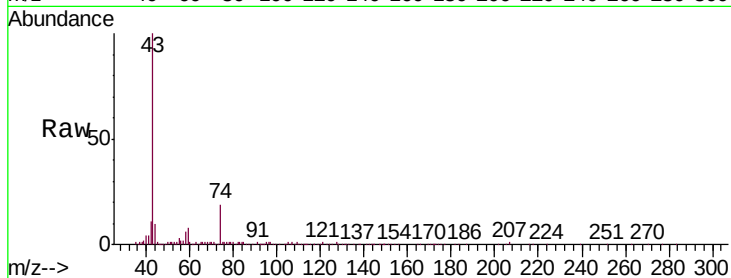




#15
Methyl Acetate
Concen: 4.159 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV014230.D
Acq: 31 Dec 2019 10:34

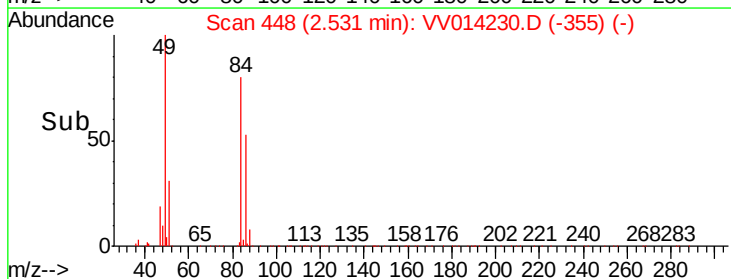
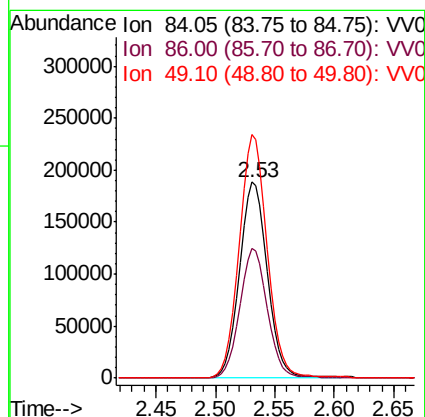
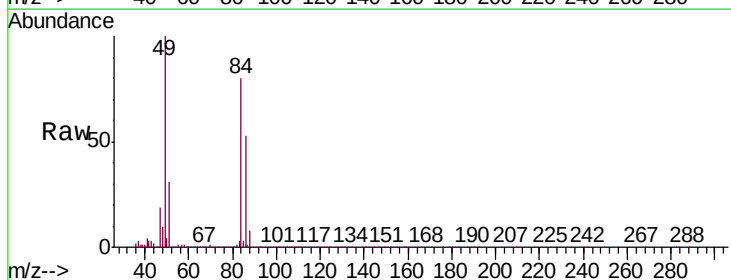
Instrument :
MSVOA_V
ClientSampleId :
BFB49

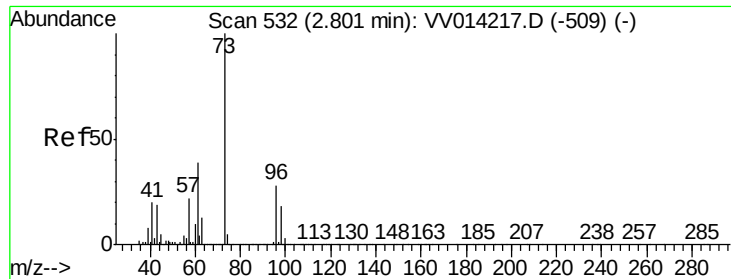
Tgt Ion: 43 Resp: 98470
Ion Ratio Lower Upper
43 100
74 24.0 18.6 28.0



#16
Methylene chloride
Concen: 4.111 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV014230.D
Acq: 31 Dec 2019 10:34

Tgt Ion: 84 Resp: 305030
Ion Ratio Lower Upper
84 100
86 66.0 43.1 80.1
49 124.4 82.1 152.5

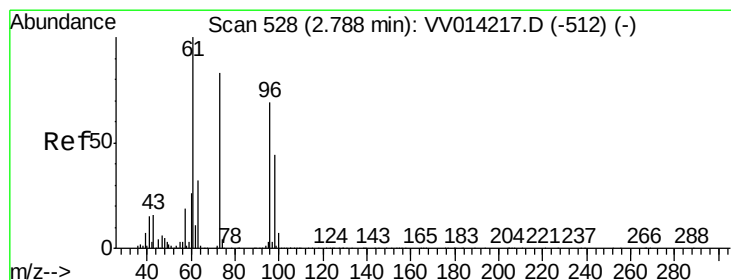
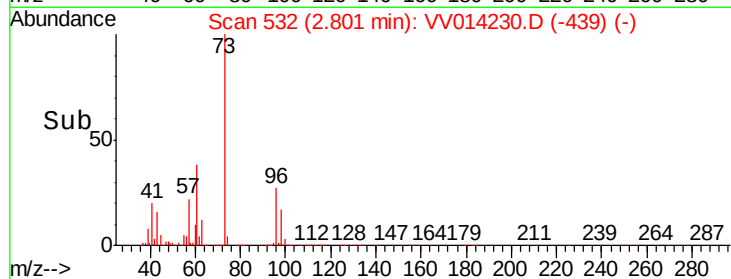
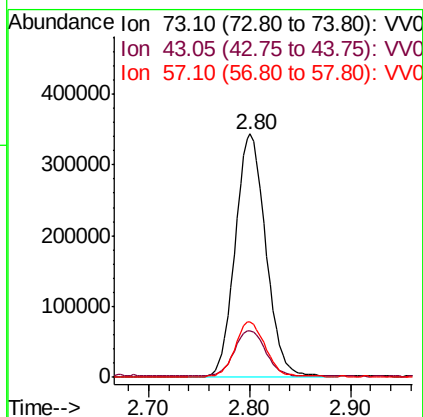
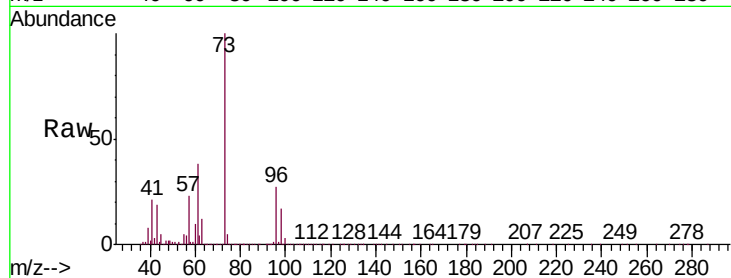




#17
Methyl tert-butyl Ether
Concen: 4.457 ug/L
RT: 2.80 min Scan# 532
Delta R.T. 0.00 min
Lab File: VV014230.D
Acq: 31 Dec 2019 10:34

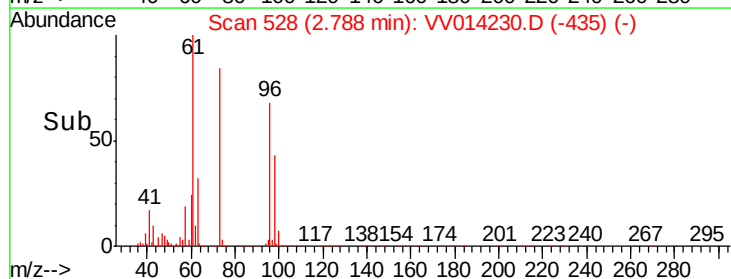
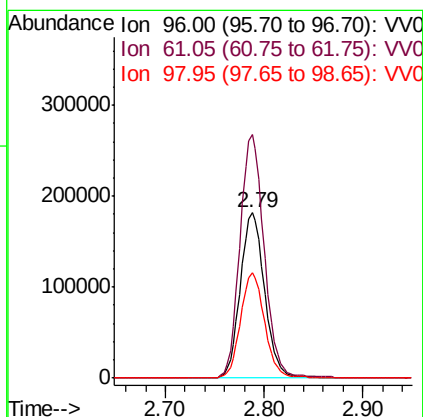
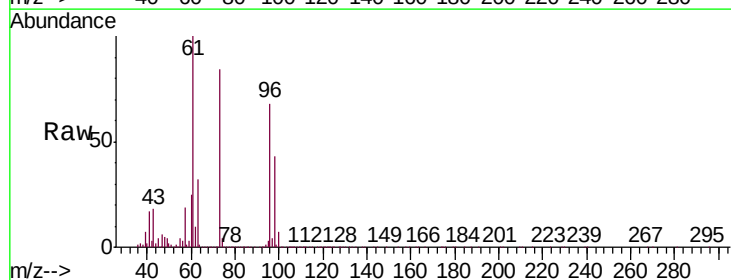
Instrument :
MSVOA_V
ClientSampleId :
BFB49

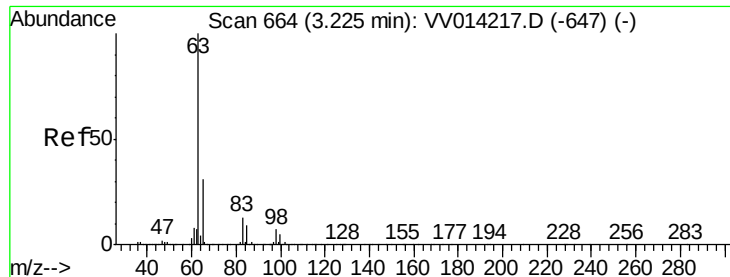
Tgt Ion:	73	Resp:	726511
Ion	Ratio	Lower	Upper
73	100		
43	19.2	14.7	22.1
57	22.5	17.9	26.9



#18
trans-1,2-Dichloroethene
Concen: 4.503 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV014230.D
Acq: 31 Dec 2019 10:34

Tgt Ion:	96	Resp:	309602
Ion	Ratio	Lower	Upper
96	100		
61	147.2	99.2	184.2
98	63.7	43.1	80.1

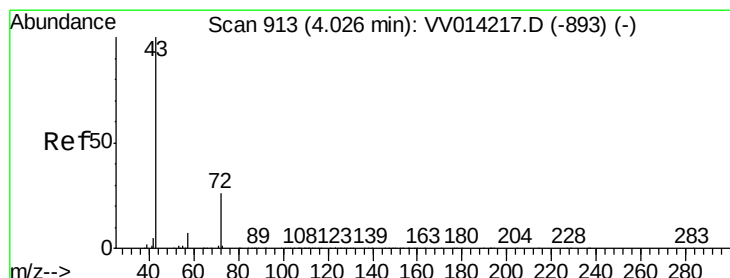
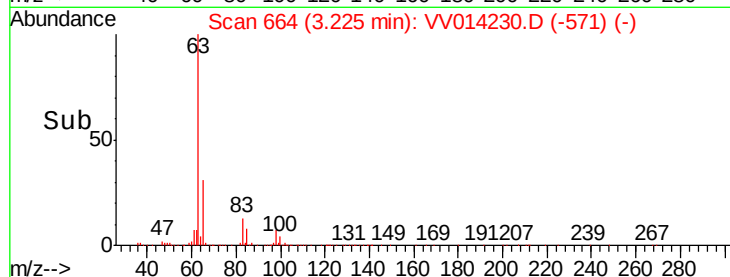
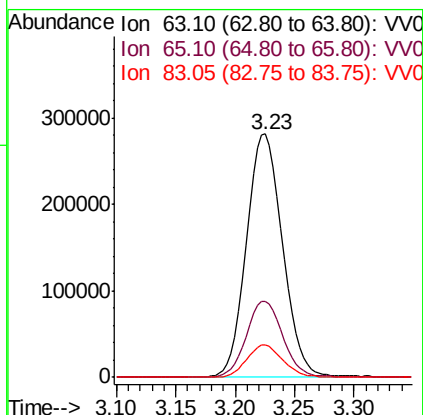
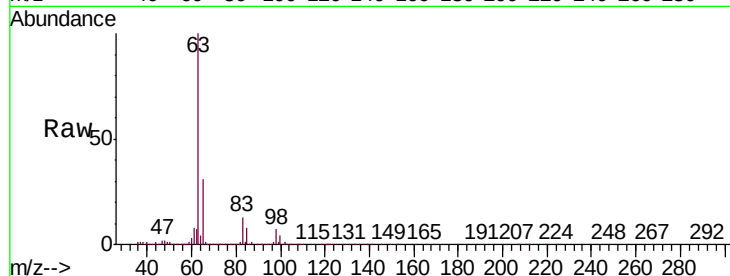




#19
1,1-Dichloroethane
Concen: 4.639 ug/L
RT: 3.23 min Scan# 664
Delta R.T. 0.00 min
Lab File: VV014230.D
Acq: 31 Dec 2019 10:34

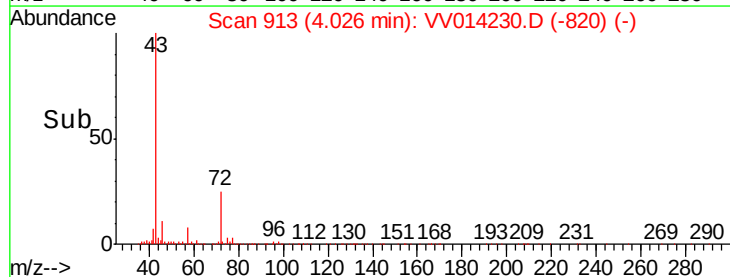
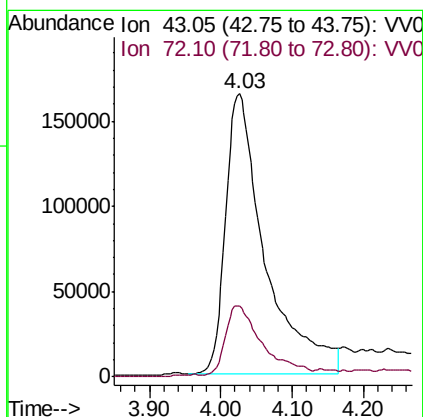
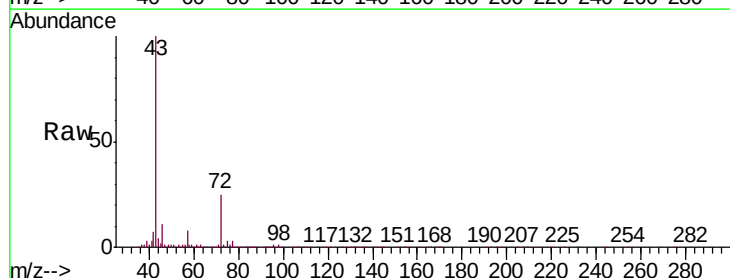
Instrument :
MSVOA_V
ClientSampled :
BFB49

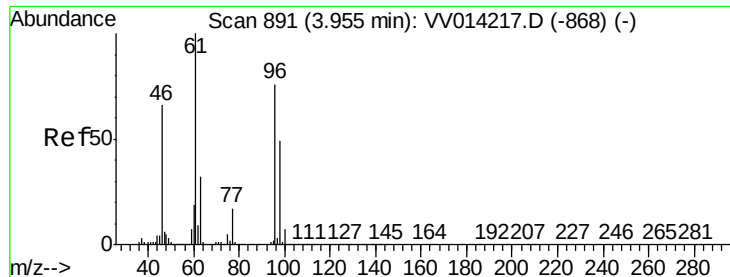
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.3	22.7	42.3
83	13.3	10.0	18.6



#21
2-Butanone
Concen: 48.178 ug/L
RT: 4.03 min Scan# 913
Delta R.T. 0.00 min
Lab File: VV014230.D
Acq: 31 Dec 2019 10:34

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.9	12.4	37.2



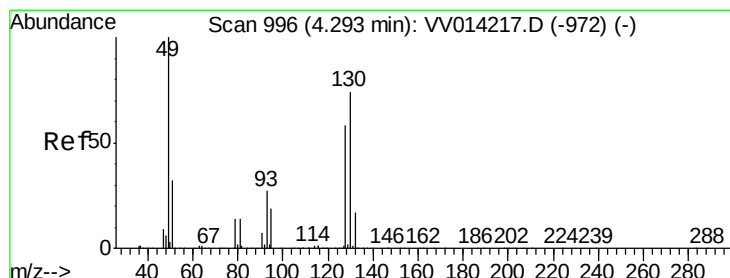
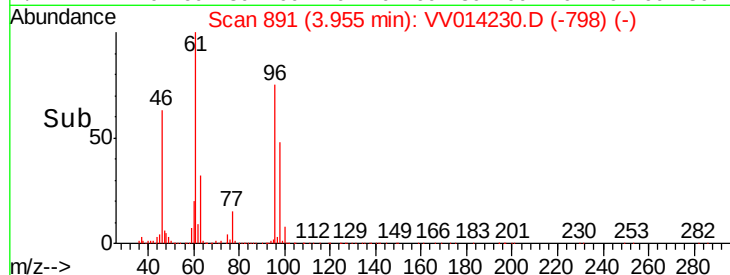
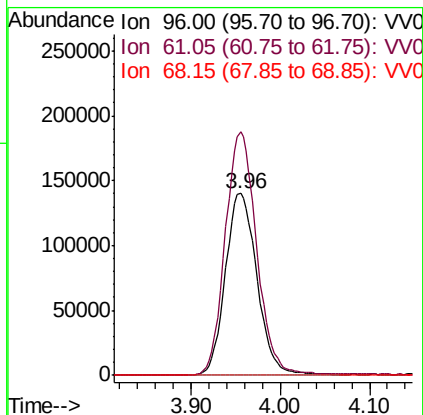
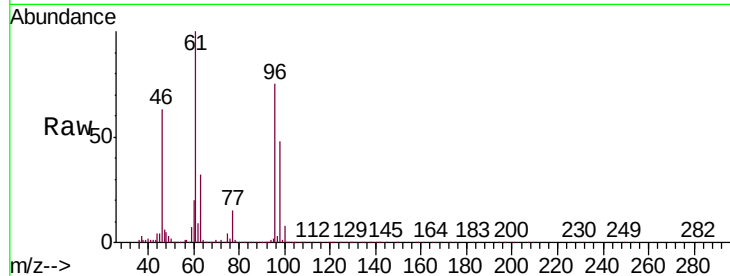


#22

cis-1,2-Dichloroethene
 Concen: 4.578 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. 0.00 min
 Lab File: VV014230.D
 Acq: 31 Dec 2019 10:34

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB49

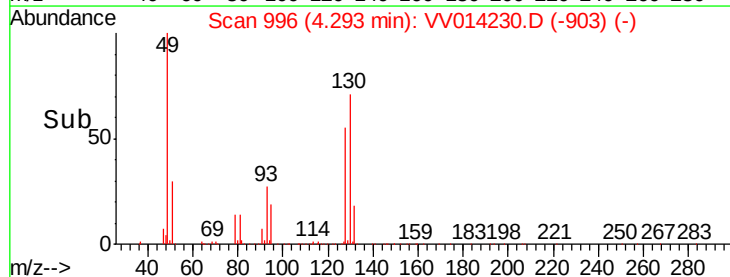
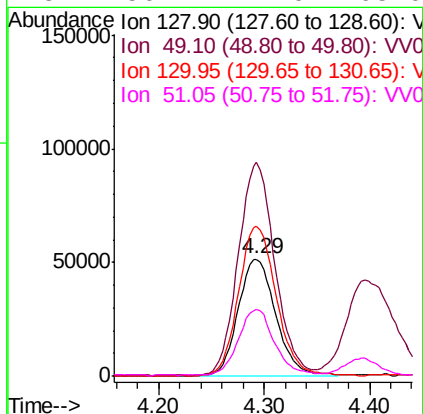
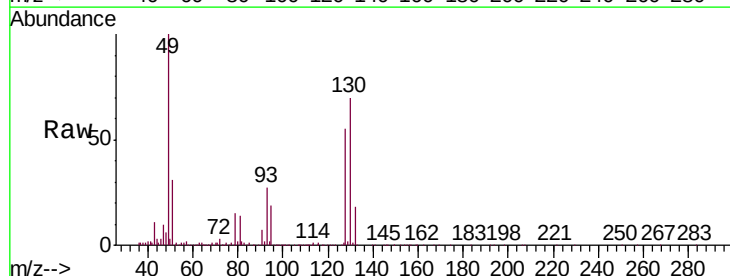
Tgt Ion: 96 Resp: 342981
 Ion Ratio Lower Upper
 96 100
 61 133.8 90.6 168.3
 68 0.2 0.3 0.7#

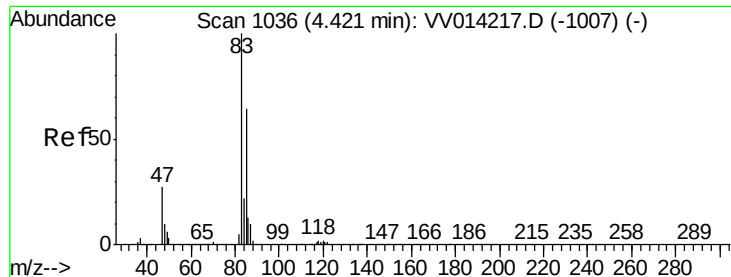


#23

Bromochloromethane
 Concen: 4.400 ug/L
 RT: 4.29 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: VV014230.D
 Acq: 31 Dec 2019 10:34

Tgt Ion: 128 Resp: 128105
 Ion Ratio Lower Upper
 128 100
 49 183.0 117.5 218.1
 130 128.0 93.7 173.9
 51 56.7 42.0 63.0

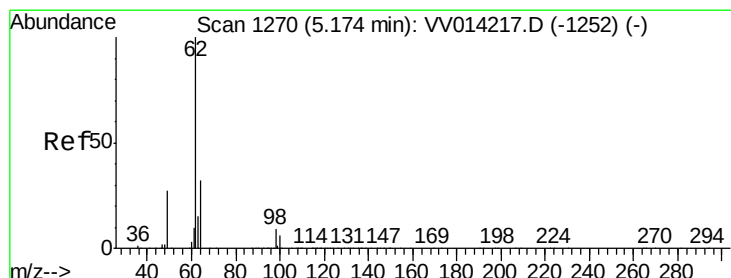
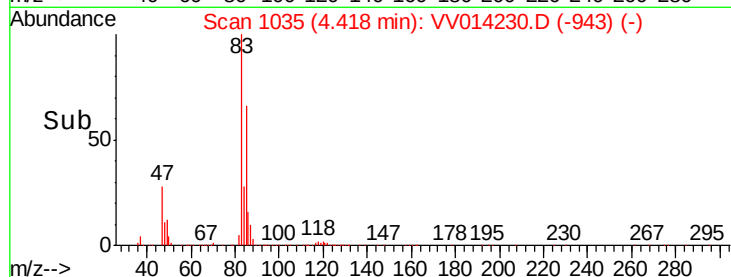
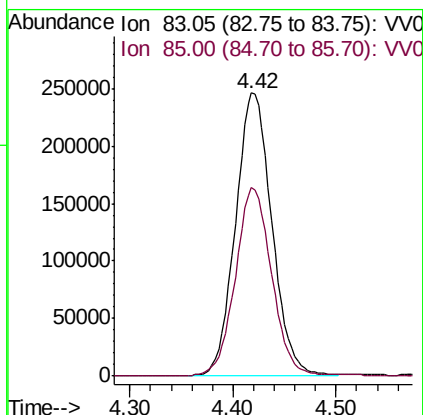
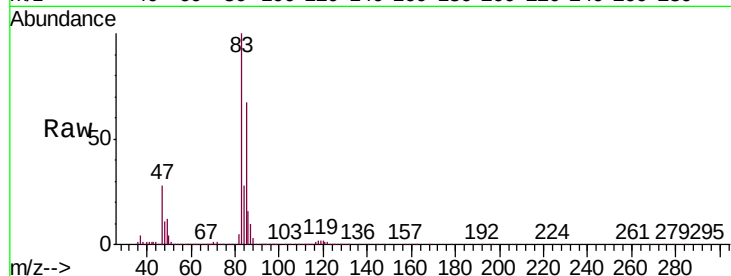




#25
Chloroform
Concen: 4.659 ug/L
RT: 4.42 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VV014230.D
Acq: 31 Dec 2019 10:34

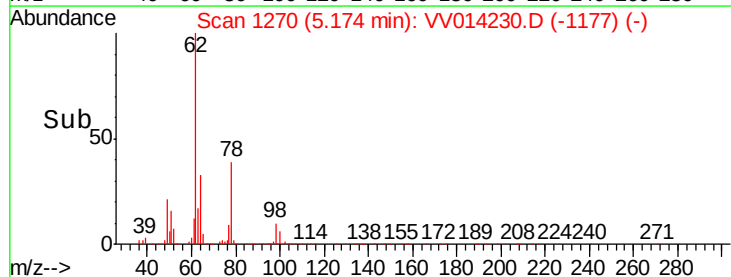
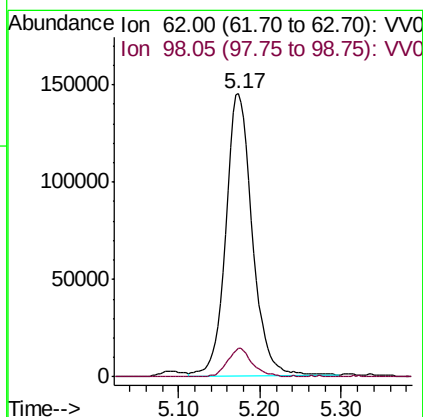
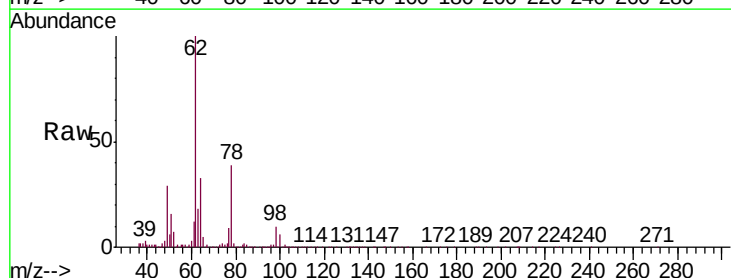
Instrument :
MSVOA_V
ClientSampleId :
BFB49

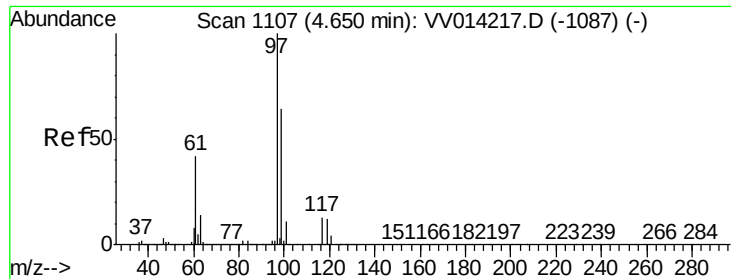
Tgt Ion: 83 Resp: 602211
Ion Ratio Lower Upper
83 100
85 66.5 46.2 85.8



#27
1,2-Dichloroethane
Concen: 4.566 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VV014230.D
Acq: 31 Dec 2019 10:34

Tgt Ion: 62 Resp: 330524
Ion Ratio Lower Upper
62 100
98 10.0 9.2 13.8

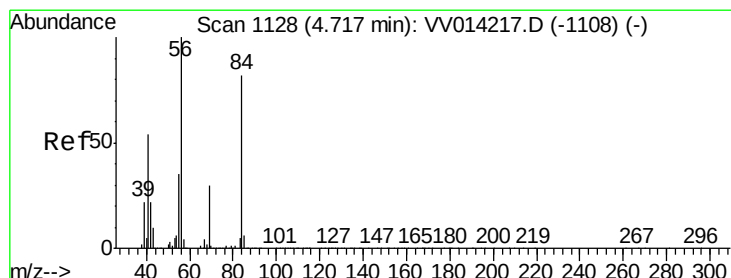
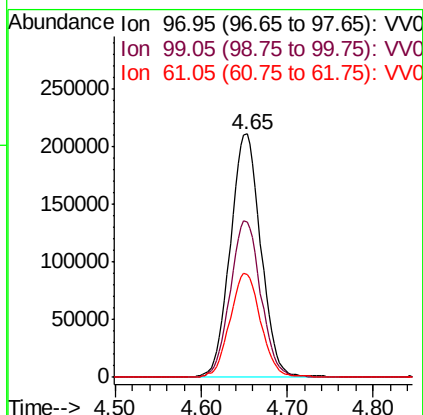
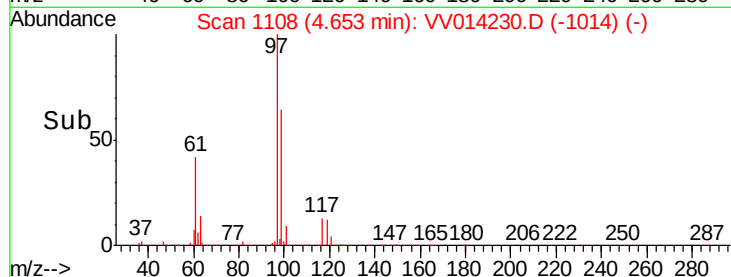
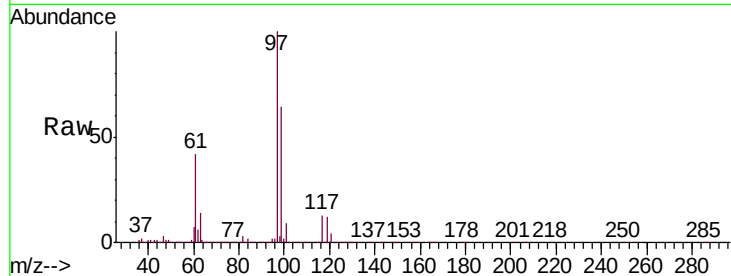




#29
1,1,1-Trichloroethane
Concen: 4.654 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VV014230.D
Acq: 31 Dec 2019 10:34

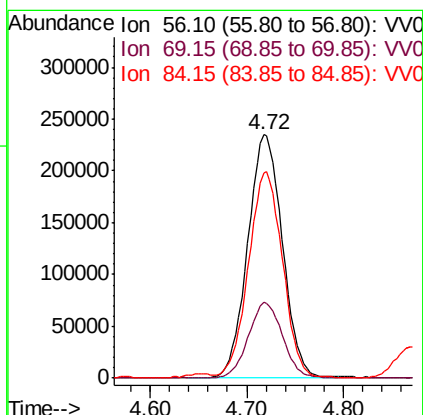
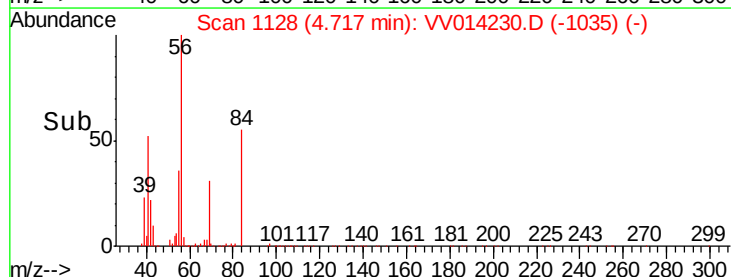
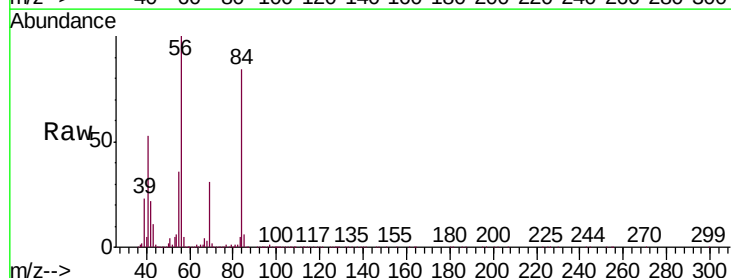
Instrument :
MSVOA_V
ClientSampled :
BFB49

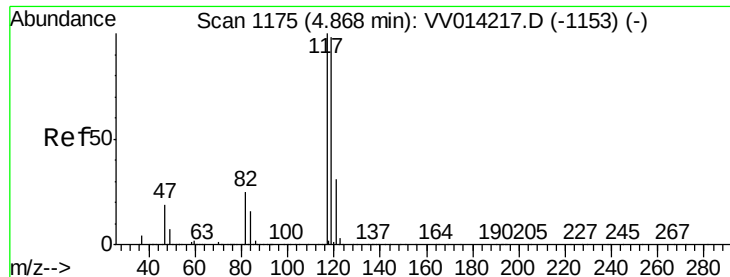
Tgt Ion: 97 Resp: 518009
Ion Ratio Lower Upper
97 100
99 64.7 51.1 76.7
61 43.0 33.9 50.9



#30
Cyclohexane
Concen: 4.784 ug/L
RT: 4.72 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VV014230.D
Acq: 31 Dec 2019 10:34

Tgt Ion: 56 Resp: 582344
Ion Ratio Lower Upper
56 100
69 30.4 23.9 35.9
84 83.9 68.9 103.3





#31

Carbon tetrachloride

Concen: 4.673 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VV014230.D

Acq: 31 Dec 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

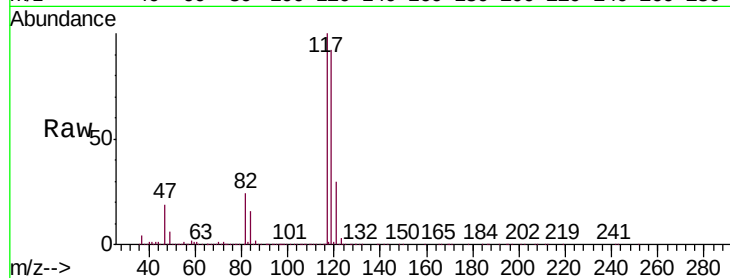
BFB49

Tgt Ion:117 Resp: 444090

Ion Ratio Lower Upper

117 100

119 93.4 76.8 115.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

200000

150000

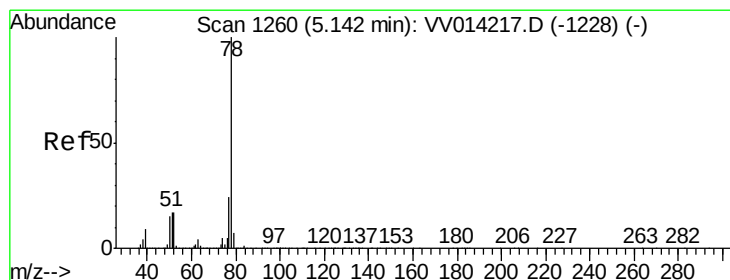
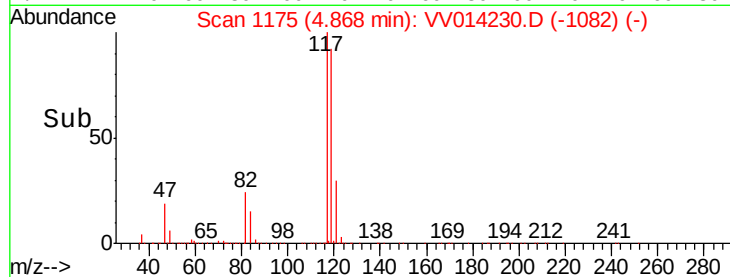
100000

50000

0

Time-->

4.80 4.90 5.00



#33

Benzene

Concen: 4.585 ug/L

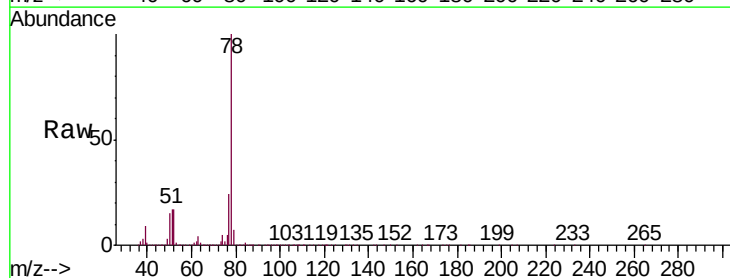
RT: 5.14 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VV014230.D

Acq: 31 Dec 2019 10:34

Tgt Ion: 78 Resp: 1300660



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.14

600000

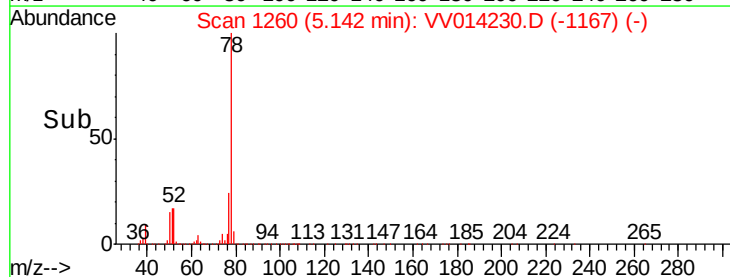
400000

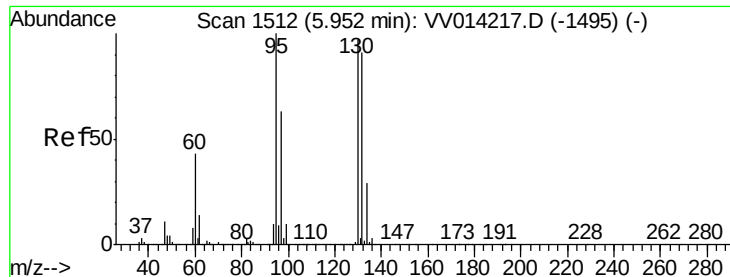
200000

0

Time-->

5.00 5.10 5.20 5.30





#34

Trichloroethene

Concen: 4.958 ug/L

RT: 5.95 min Scan# 1512

Delta R.T. 0.00 min

Lab File: VV014230.D

Acq: 31 Dec 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

BFB49

Tgt Ion: 95 Resp: 376761

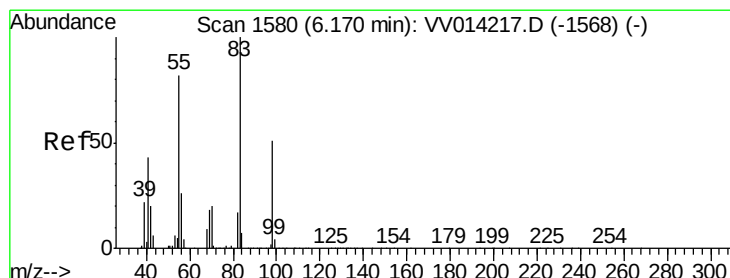
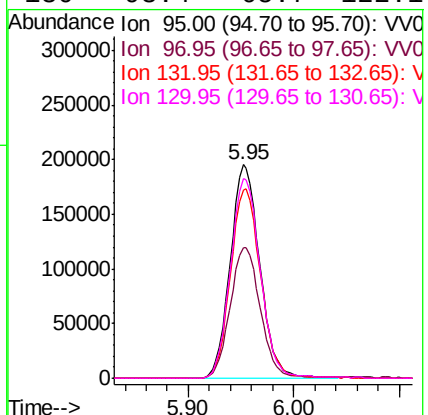
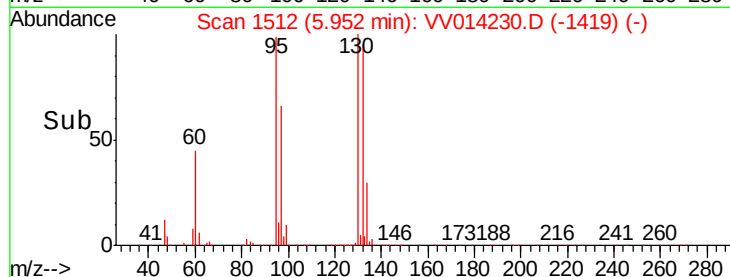
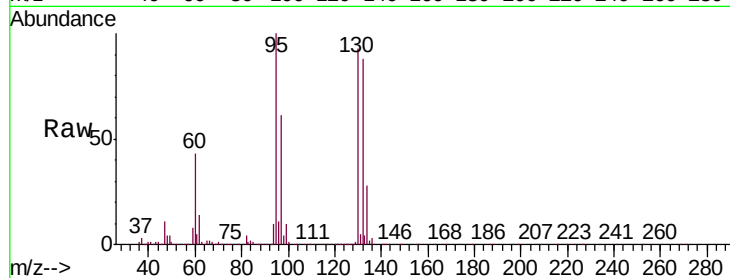
Ion Ratio Lower Upper

95 100

97 61.4 43.8 81.3

132 88.3 63.4 117.8

130 93.4 65.7 122.1



#35

Methylcyclohexane

Concen: 4.663 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.00 min

Lab File: VV014230.D

Acq: 31 Dec 2019 10:34

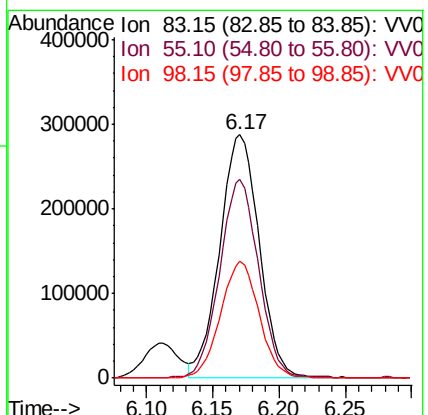
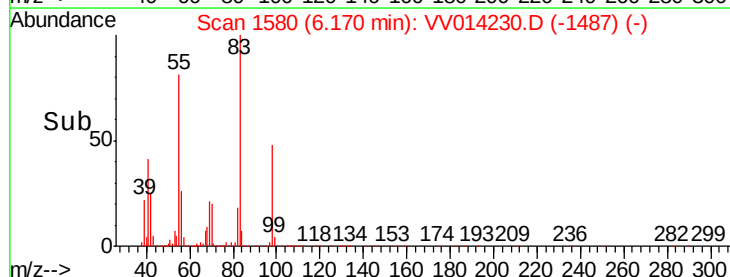
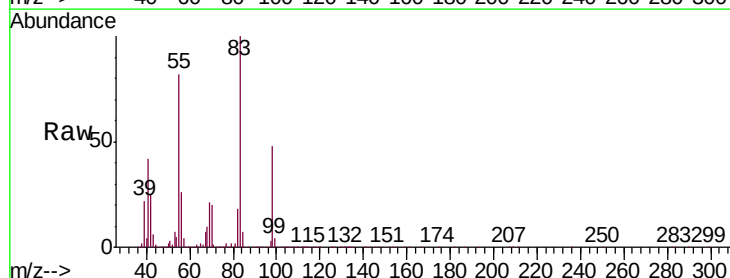
Tgt Ion: 83 Resp: 590449

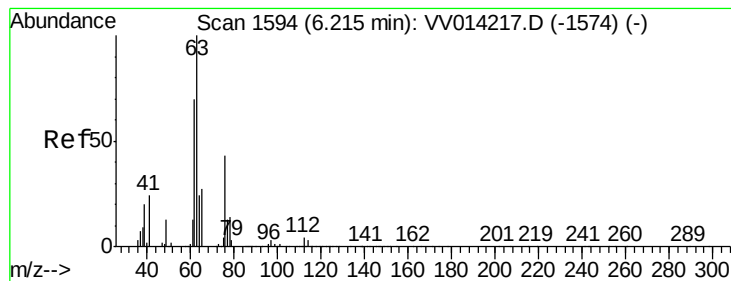
Ion Ratio Lower Upper

83 100

55 79.8 61.7 92.5

98 47.9 38.1 57.1





#37

1,2-Dichloropropane

Concen: 4.622 ug/L

RT: 6.22 min Scan# 1594

Delta R.T. 0.00 min

Lab File: VV014230.D

Acq: 31 Dec 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

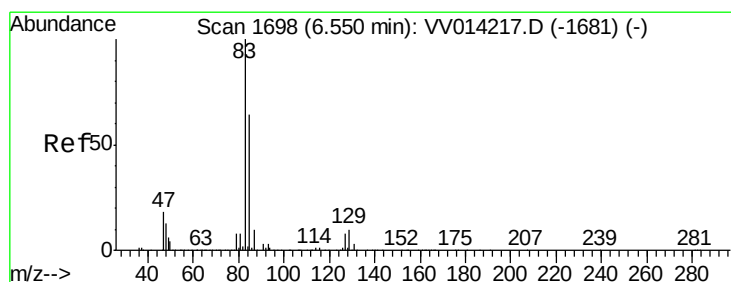
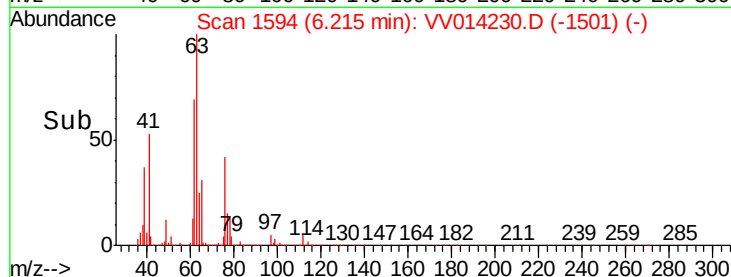
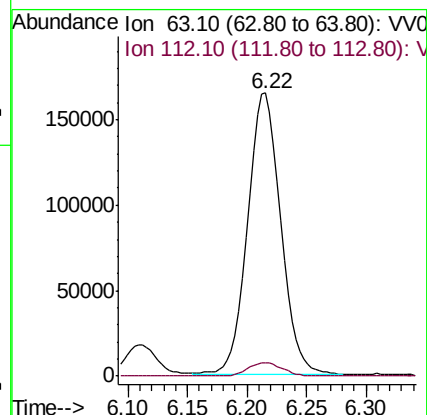
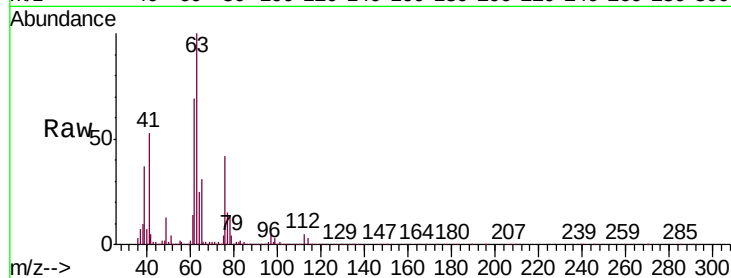
BFB49

Tgt Ion: 63 Resp: 318511

Ion Ratio Lower Upper

63 100

112 4.9 3.7 5.5



#38

Bromodichloromethane

Concen: 4.546 ug/L

RT: 6.55 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VV014230.D

Acq: 31 Dec 2019 10:34

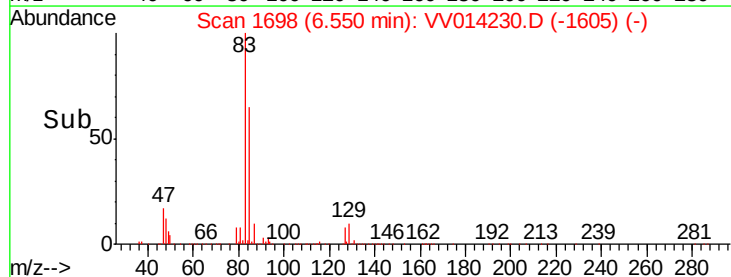
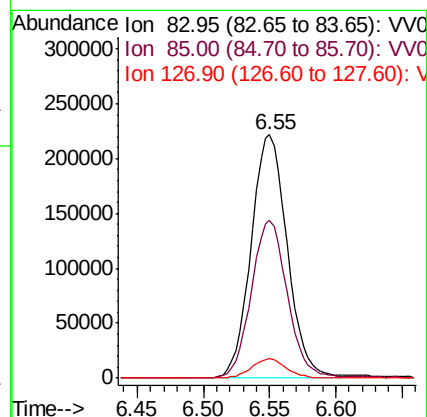
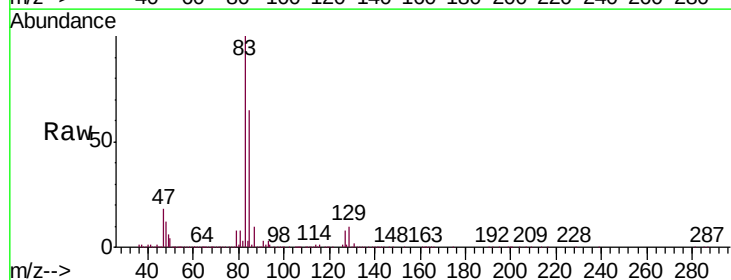
Tgt Ion: 83 Resp: 418093

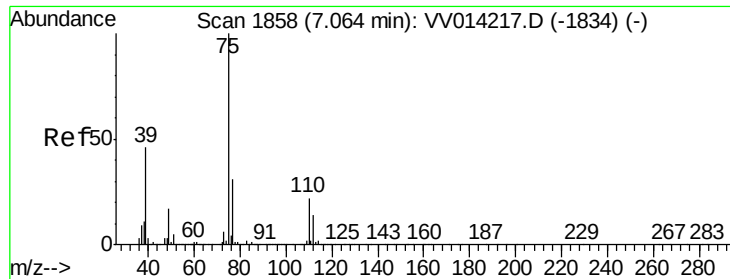
Ion Ratio Lower Upper

83 100

85 64.9 46.4 86.2

127 7.8 6.3 9.5

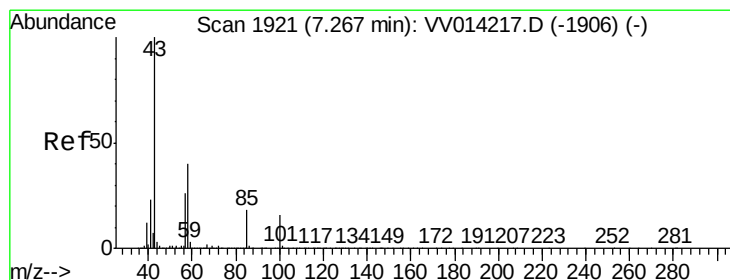
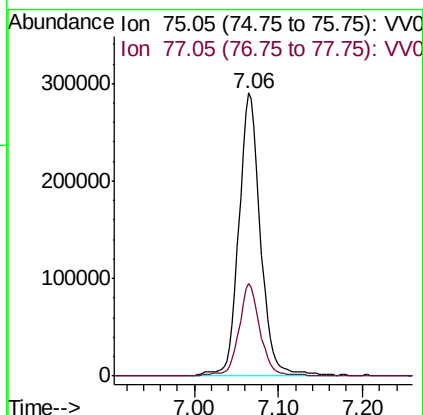
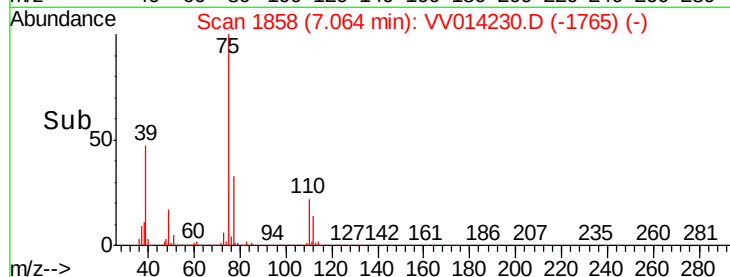
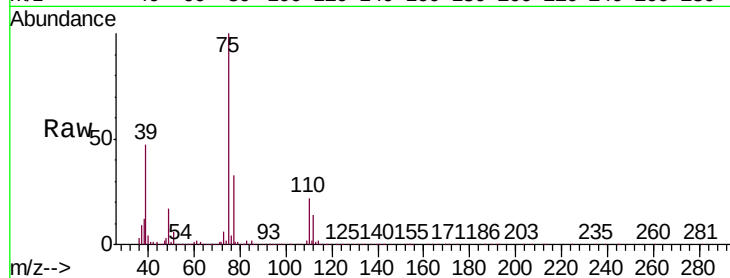




#39
 cis-1,3-Dichloropropene
 Concen: 4.637 ug/L
 RT: 7.06 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VV014230.D
 Acq: 31 Dec 2019 10:34

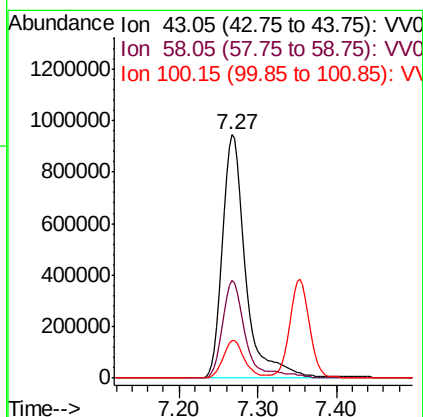
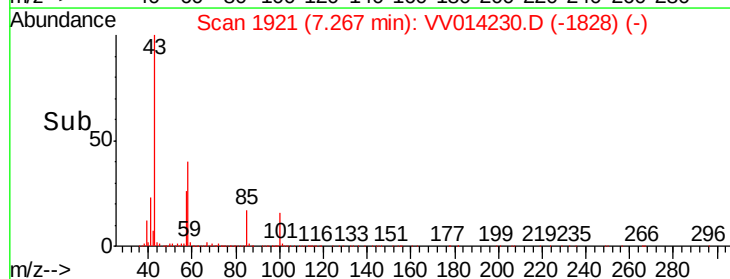
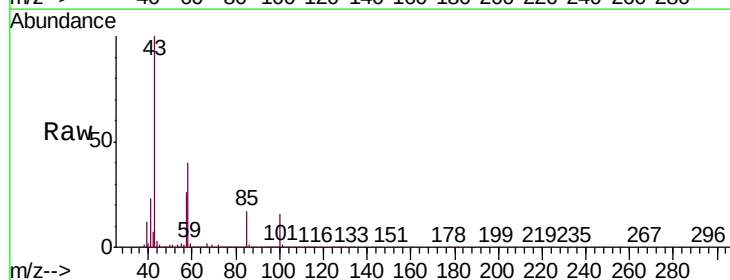
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB49

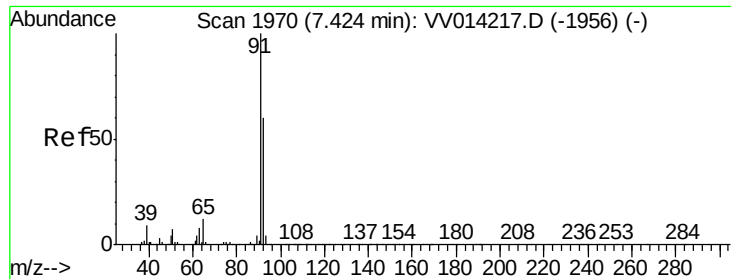
Tgt Ion: 75 Resp: 522880
 Ion Ratio Lower Upper
 75 100
 77 32.7 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 44.762 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VV014230.D
 Acq: 31 Dec 2019 10:34

Tgt Ion: 43 Resp: 1918594
 Ion Ratio Lower Upper
 43 100
 58 40.2 31.5 47.3
 100 14.2 12.2 18.2





#42

Toluene

Concen: 4.459 ug/L

RT: 7.42 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VV014230.D

Acq: 31 Dec 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

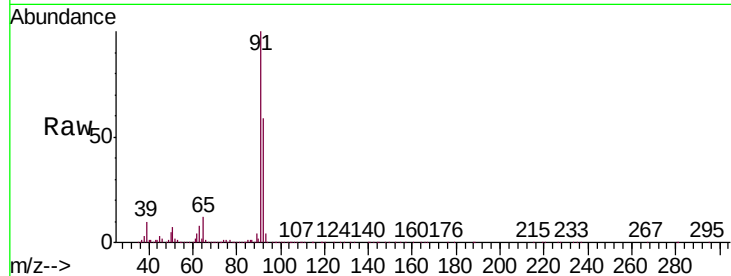
BFB49

Tgt Ion: 91 Resp: 1389518

Ion Ratio Lower Upper

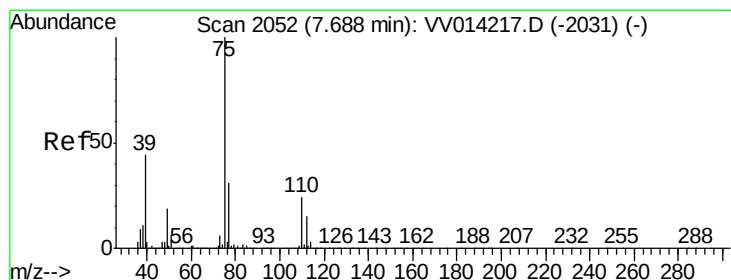
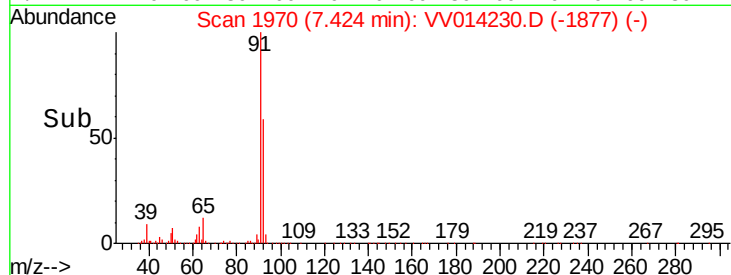
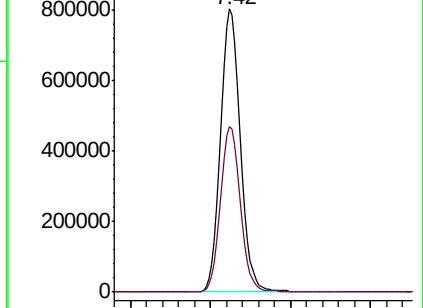
91 100

92 58.7 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 4.598 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV014230.D

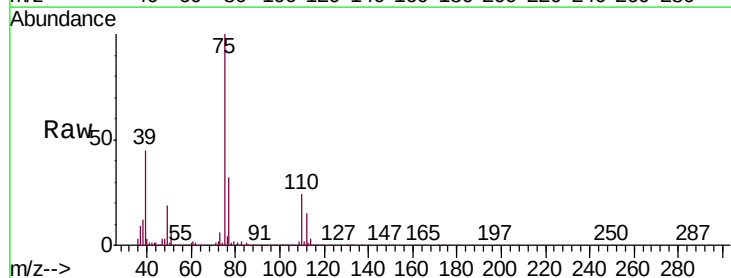
Acq: 31 Dec 2019 10:34

Tgt Ion: 75 Resp: 405529

Ion Ratio Lower Upper

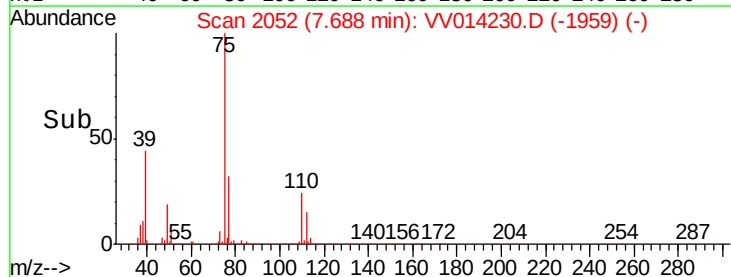
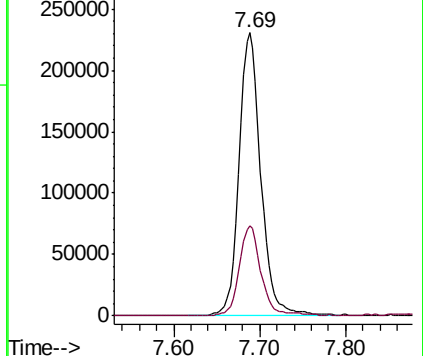
75 100

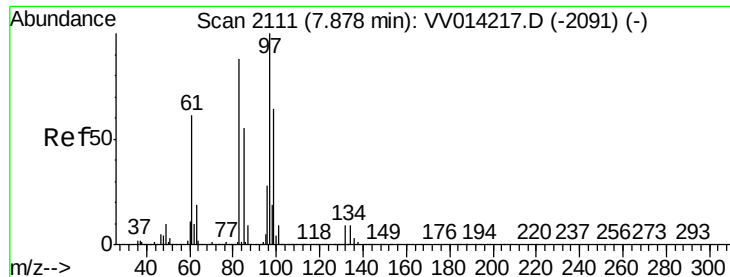
77 32.0 22.0 41.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#45

1,1,2-Trichloroethane

Concen: 4.395 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VV014230.D

Acq: 31 Dec 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

BFB49

Tgt Ion: 97 Resp: 206572

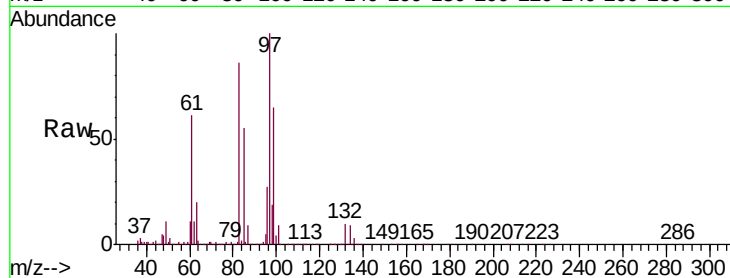
Ion Ratio Lower Upper

97 100

99 64.6 43.7 81.1

83 86.2 60.0 111.4

85 55.2 39.2 72.8

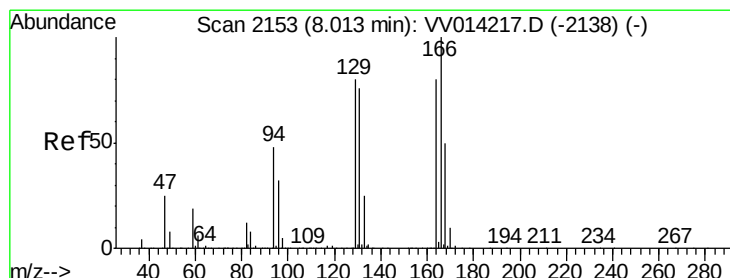
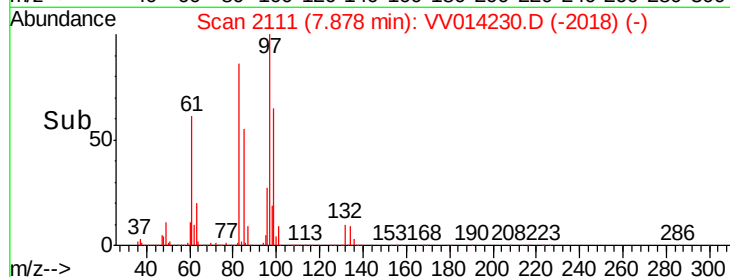
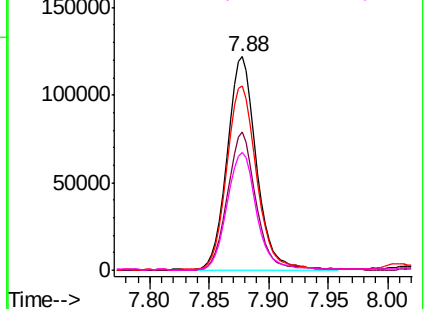


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 4.522 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VV014230.D

Acq: 31 Dec 2019 10:34

Tgt Ion: 164 Resp: 240221

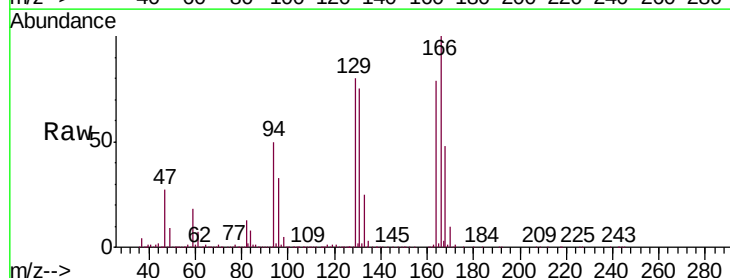
Ion Ratio Lower Upper

164 100

129 100.8 71.7 133.3

131 95.2 70.4 130.8

166 126.6 90.3 167.7

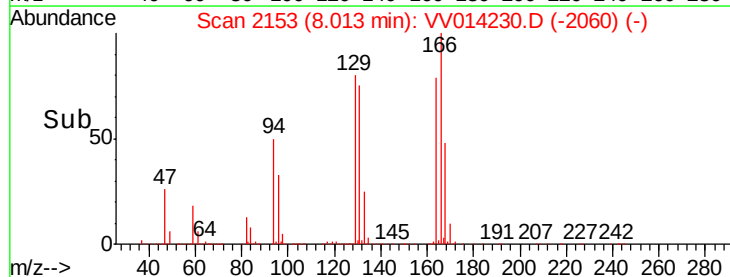
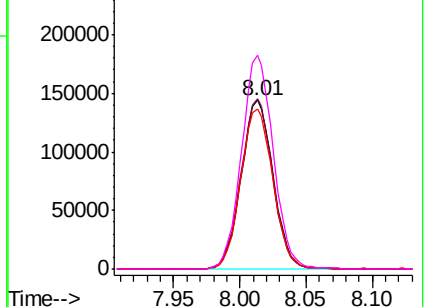


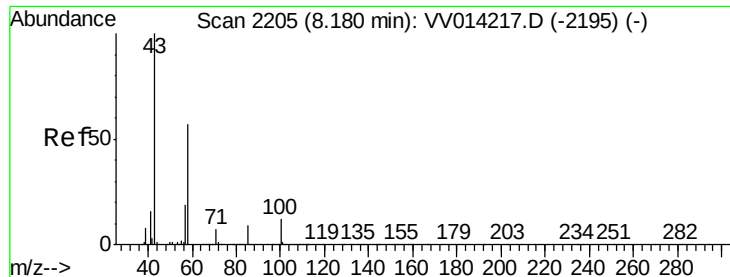
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



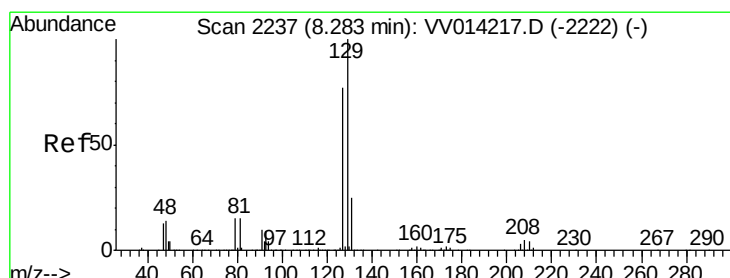
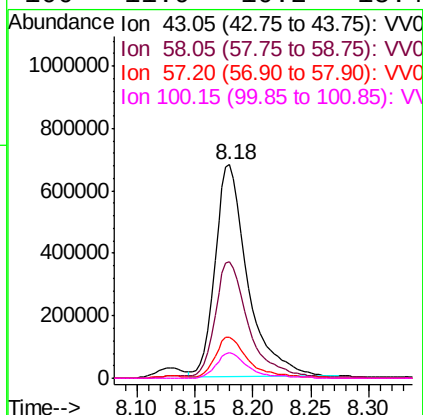
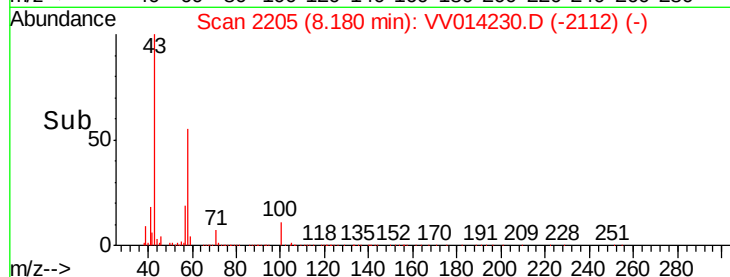
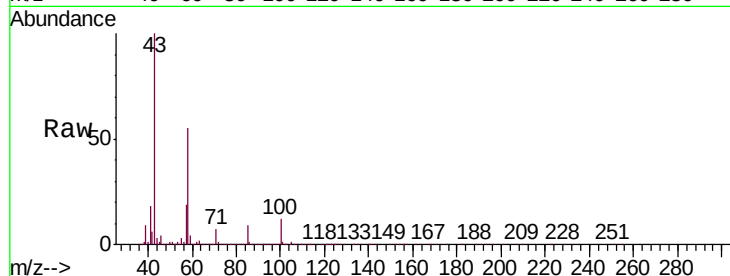


#48
2-Hexanone
Concen: 45.133 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VV014230.D
Acq: 31 Dec 2019 10:34

Instrument :
MSVOA_V
ClientSampled :
BFB49

Tgt Ion: 43 Resp: 1337827

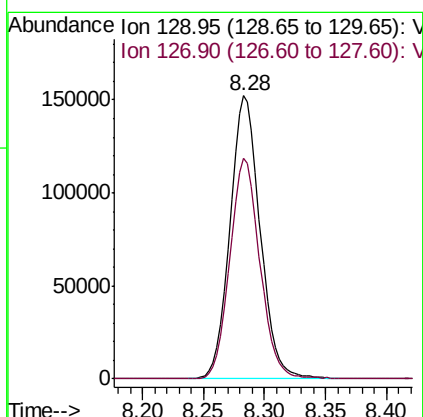
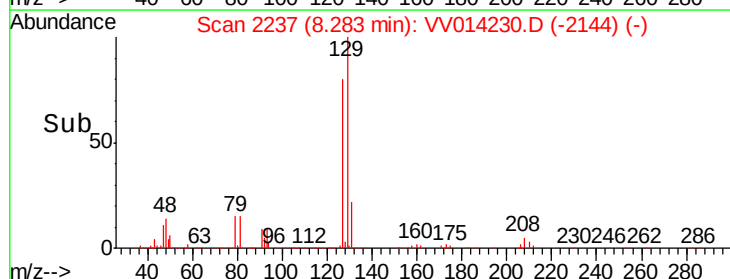
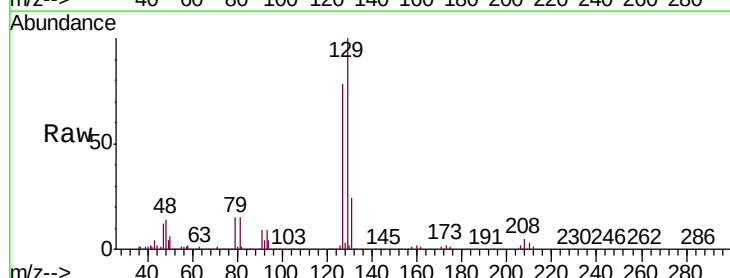
Ion	Ratio	Lower	Upper
43	100		
58	56.7	45.4	68.0
57	19.6	15.8	23.8
100	11.9	10.2	15.4

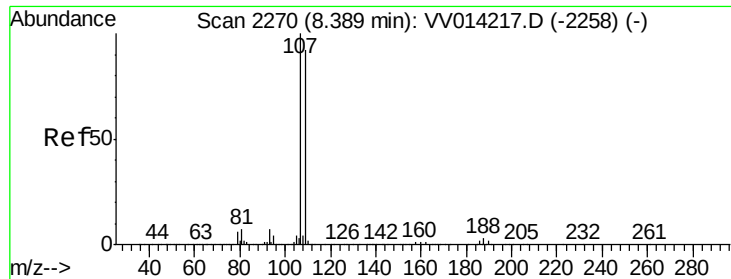


#49
Dibromochloromethane
Concen: 4.350 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VV014230.D
Acq: 31 Dec 2019 10:34

Tgt Ion: 129 Resp: 260726

Ion	Ratio	Lower	Upper
129	100		
127	78.1	55.7	103.5

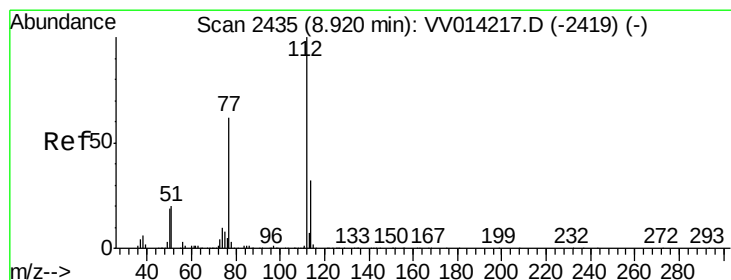
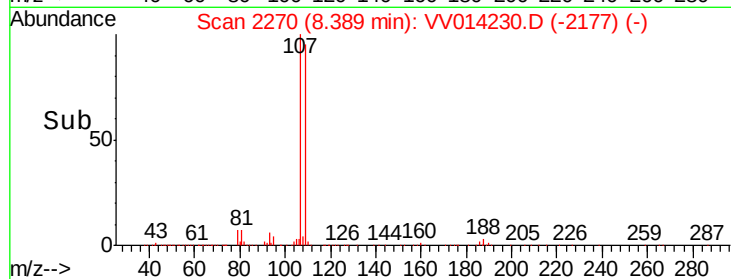
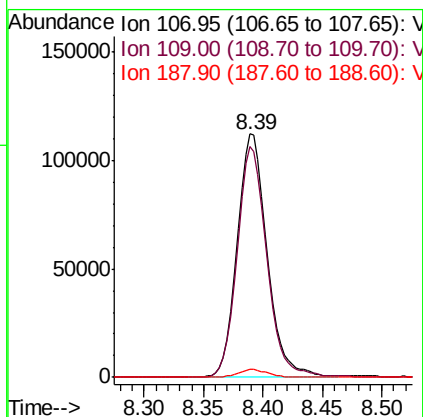
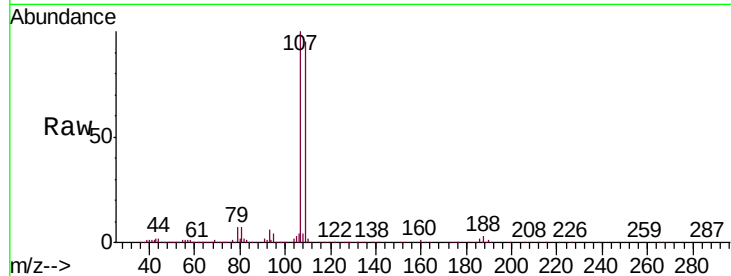




#50
 1,2-Dibromoethane
 Concen: 4.323 ug/L
 RT: 8.39 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VV014230.D
 Acq: 31 Dec 2019 10:34

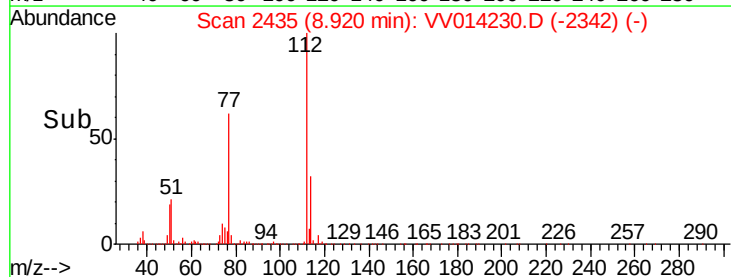
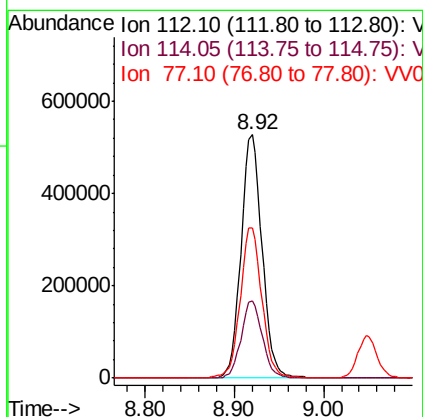
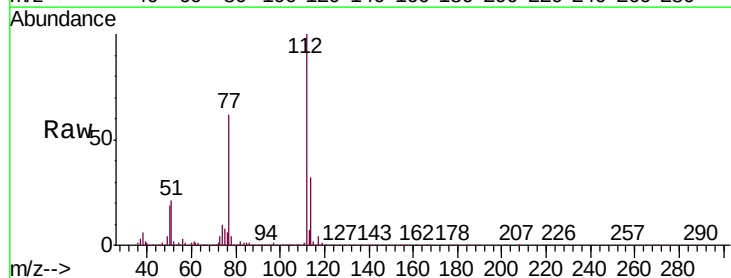
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB49

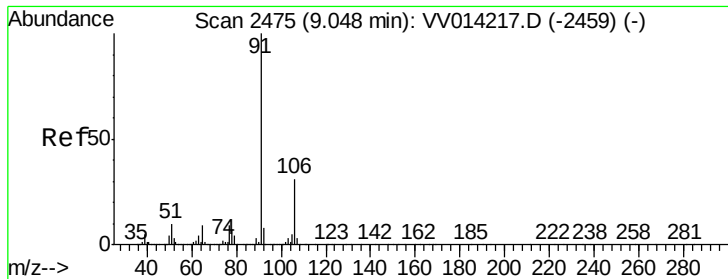
Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.9	63.0	117.0
188	3.4	3.0	4.4



#51
 Chlorobenzene
 Concen: 4.468 ug/L
 RT: 8.92 min Scan# 2435
 Delta R.T. 0.00 min
 Lab File: VV014230.D
 Acq: 31 Dec 2019 10:34

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.5	41.7
77	61.8	49.3	73.9





#52

Ethylbenzene

Concen: 4.649 ug/L

RT: 9.05 min Scan# 2475

Delta R.T. 0.00 min

Lab File: VV014230.D

Acq: 31 Dec 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

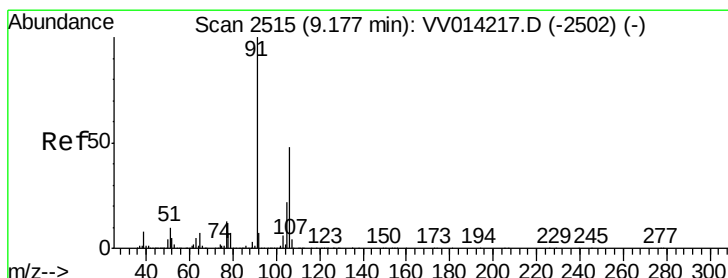
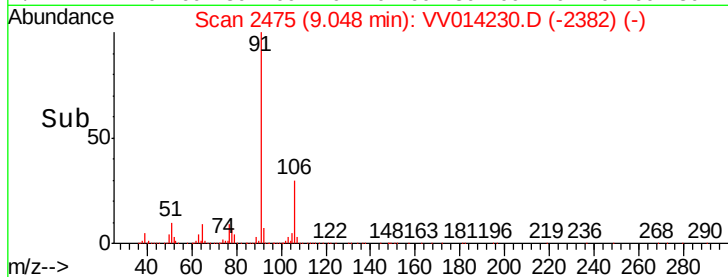
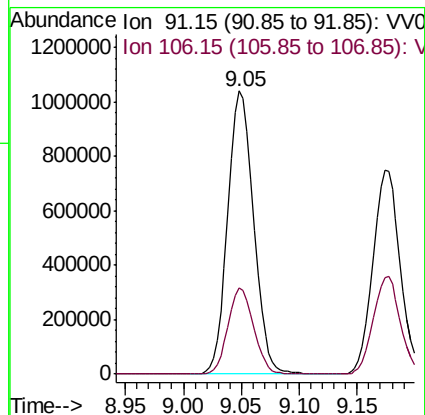
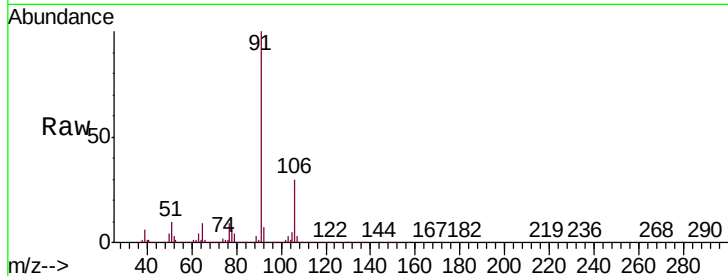
BFB49

Tgt Ion: 91 Resp: 1608244

Ion Ratio Lower Upper

91 100

106 30.4 21.6 40.0



#53

m,p-xylene

Concen: 4.507 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014230.D

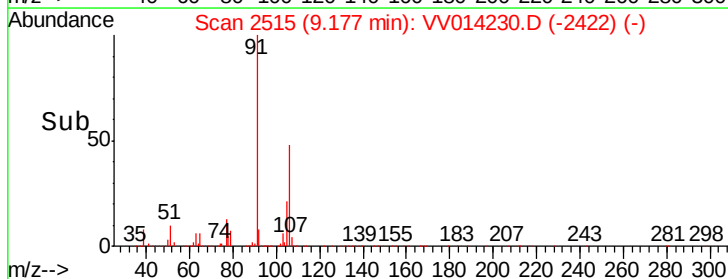
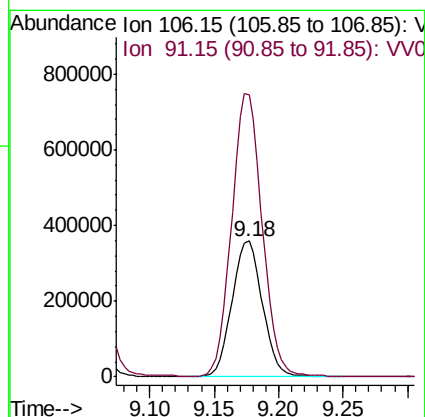
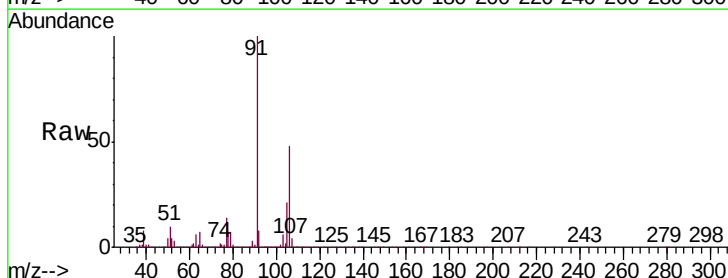
Acq: 31 Dec 2019 10:34

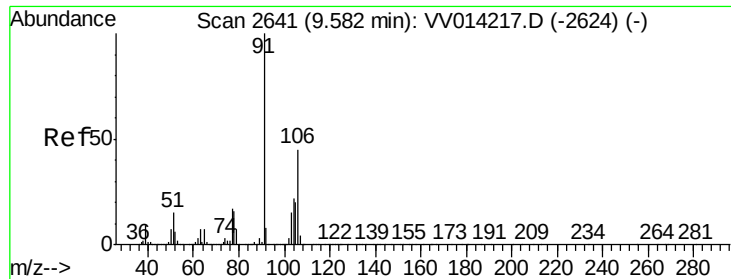
Tgt Ion: 106 Resp: 585876

Ion Ratio Lower Upper

106 100

91 207.6 146.8 272.6

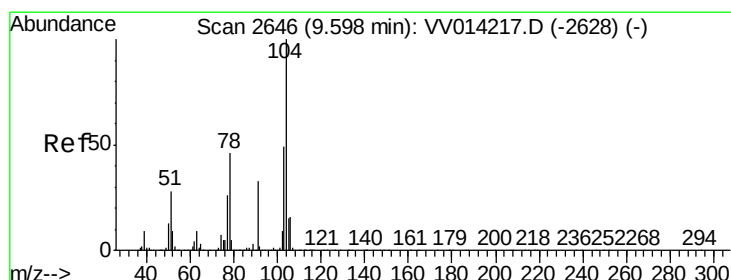
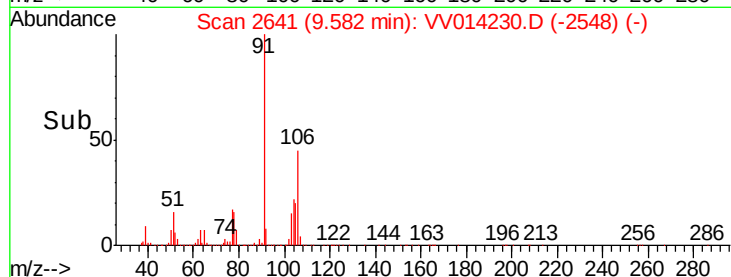
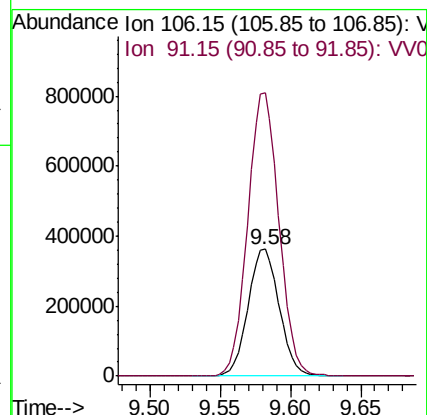
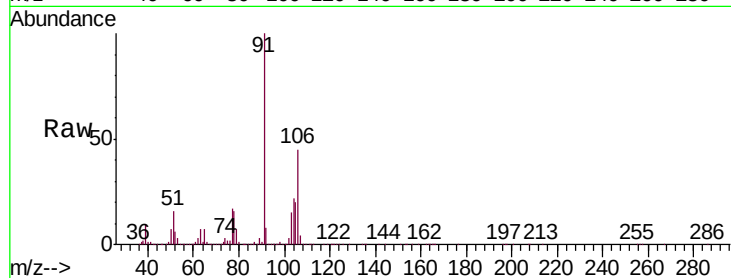




#54
o-xylene
Concen: 4.441 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV014230.D
Acq: 31 Dec 2019 10:34

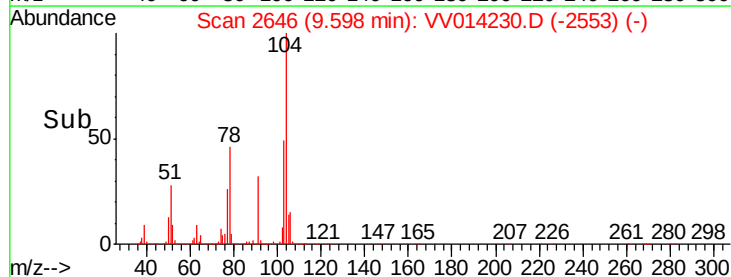
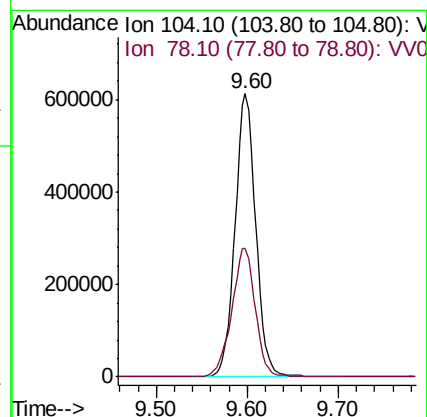
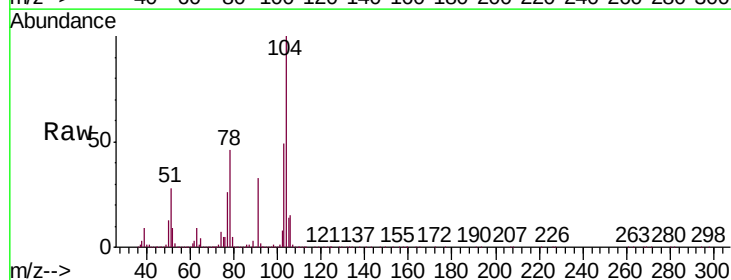
Instrument :
MSVOA_V
ClientSampleId :
BFB49

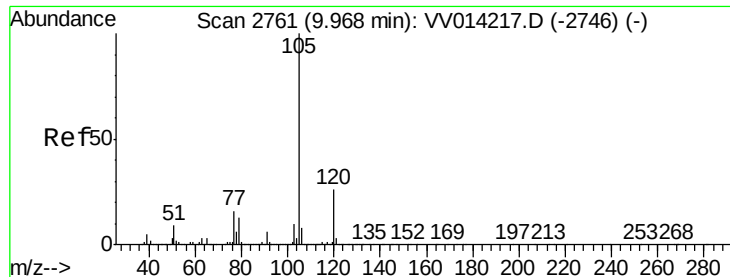
Tgt Ion:106 Resp: 563842
Ion Ratio Lower Upper
106 100
91 223.4 150.9 280.3



#55
Styrene
Concen: 4.550 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. 0.00 min
Lab File: VV014230.D
Acq: 31 Dec 2019 10:34

Tgt Ion:104 Resp: 969556
Ion Ratio Lower Upper
104 100
78 45.6 31.7 58.9





#56

Isopropylbenzene

Concen: 4.606 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. 0.00 min

Lab File: VV014230.D

Acq: 31 Dec 2019 10:34

Instrument :

MSVOA_V

ClientSampled :

BFB49

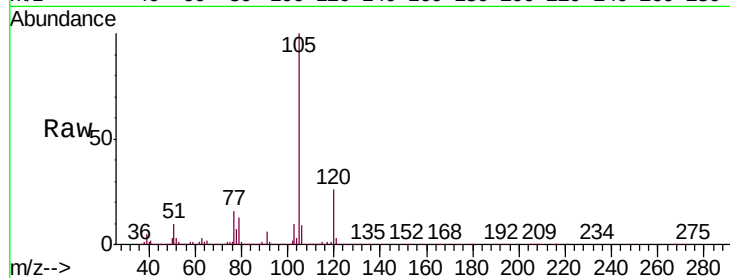
Tgt Ion: 105 Resp: 1533562

Ion Ratio Lower Upper

105 100

120 26.0 21.0 31.4

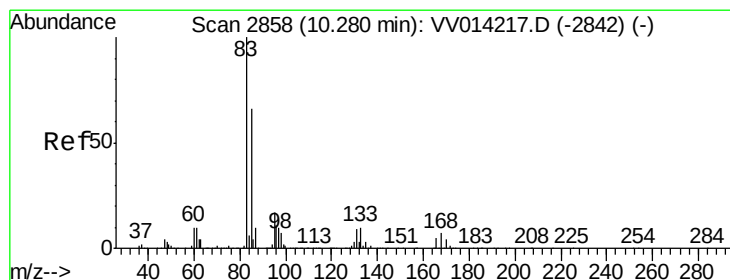
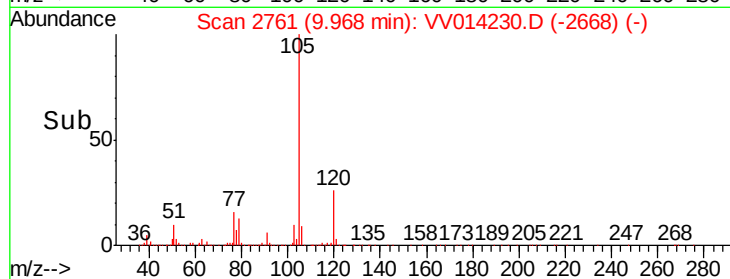
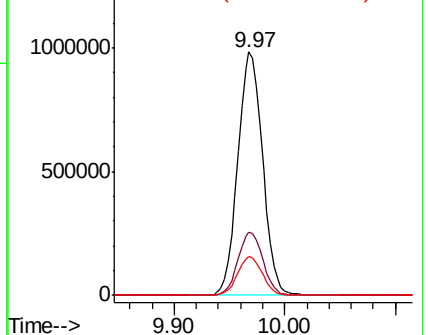
77 15.7 12.5 18.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.234 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014230.D

Acq: 31 Dec 2019 10:34

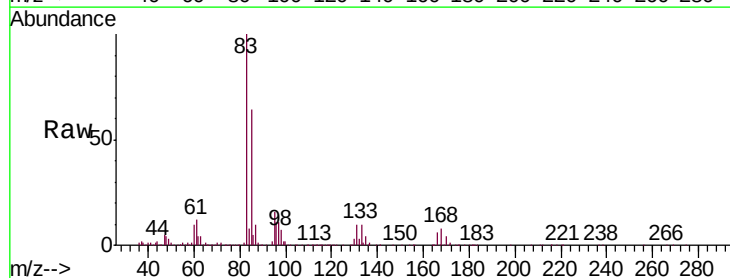
Tgt Ion: 83 Resp: 239903

Ion Ratio Lower Upper

83 100

85 63.7 45.9 85.3

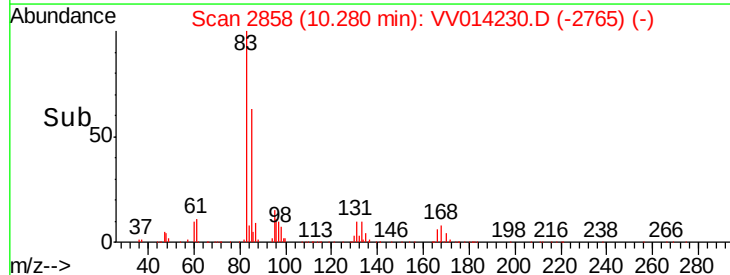
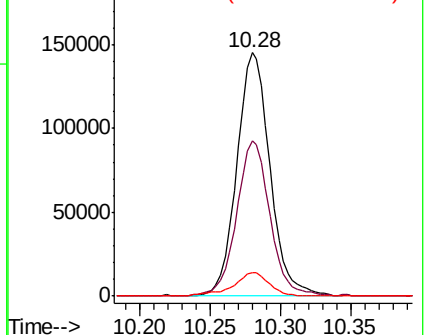
131 9.7 7.8 11.8

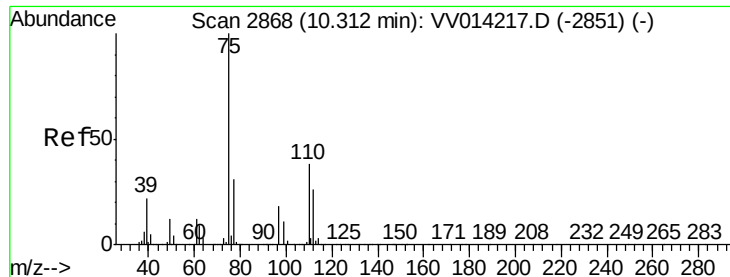


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

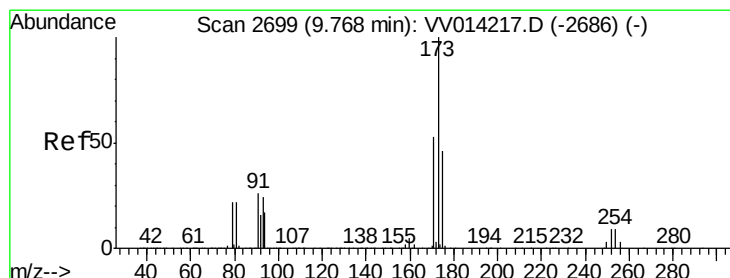
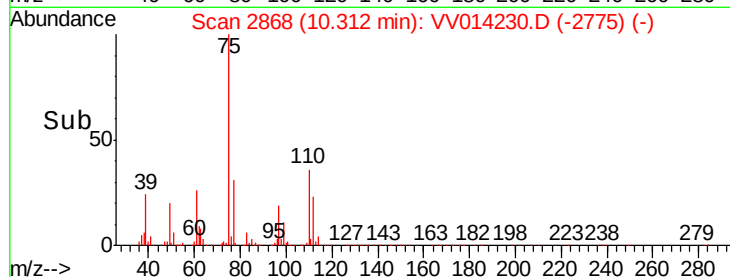
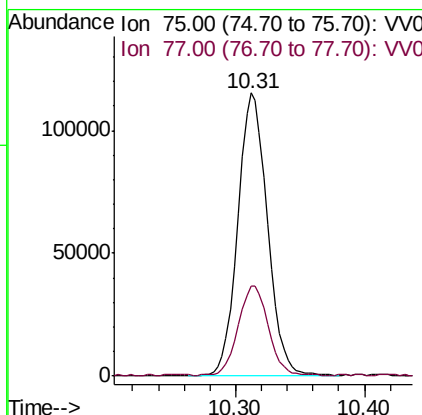
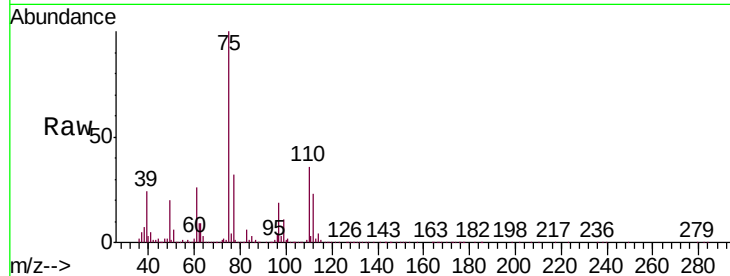




#59
 1,2,3-Trichloropropane
 Concen: 4.385 ug/L
 RT: 10.31 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VV014230.D
 Acq: 31 Dec 2019 10:34

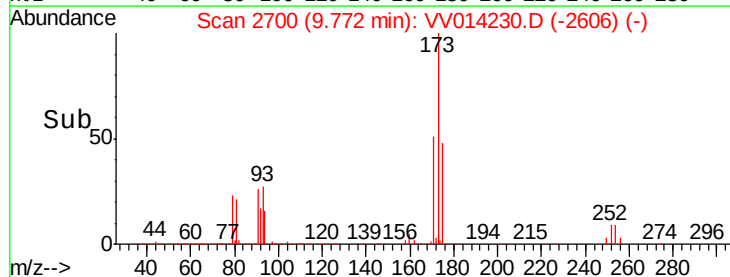
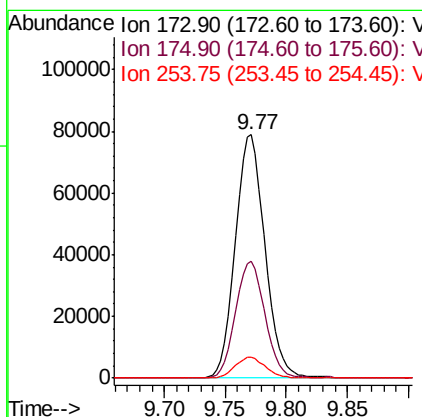
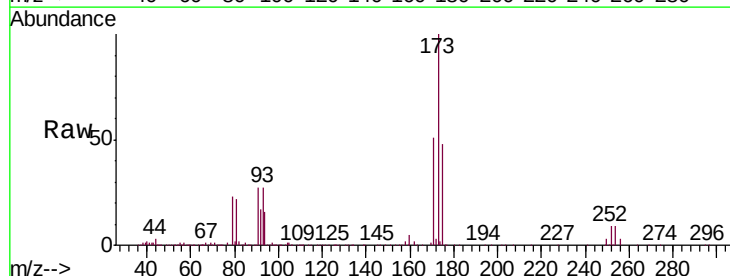
Instrument :
 MSVOA_V
 ClientSampled :
 BFB49

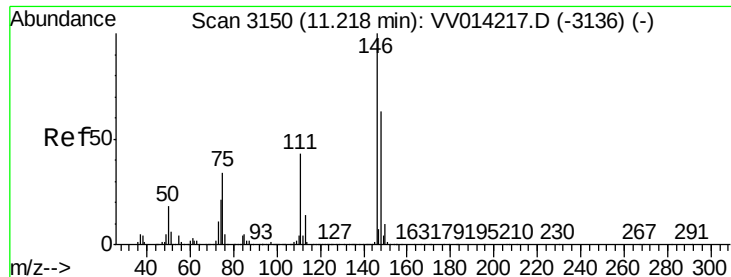
Tgt Ion: 75 Resp: 184683
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.7 38.5



#61
 Bromoform
 Concen: 4.241 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. 0.00 min
 Lab File: VV014230.D
 Acq: 31 Dec 2019 10:34

Tgt Ion: 173 Resp: 132866
 Ion Ratio Lower Upper
 173 100
 175 47.5 37.9 56.9
 254 8.8 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 4.532 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. 0.00 min

Lab File: VV014230.D

Acq: 31 Dec 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

BFB49

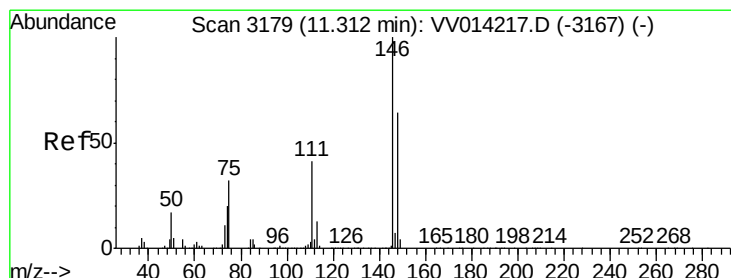
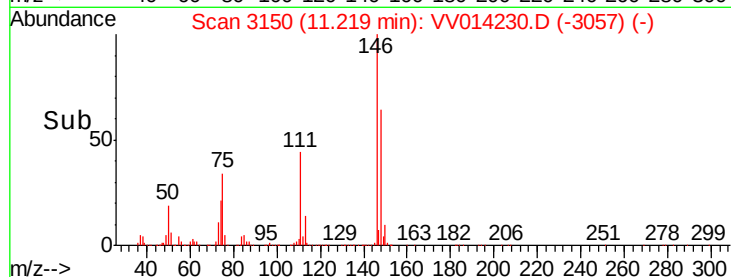
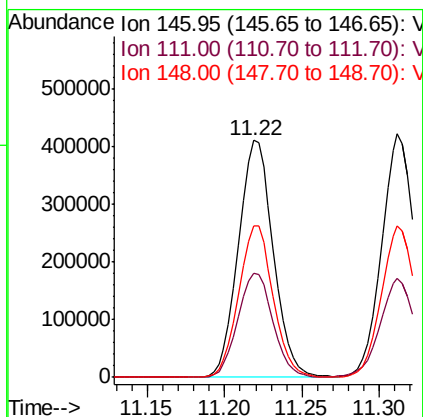
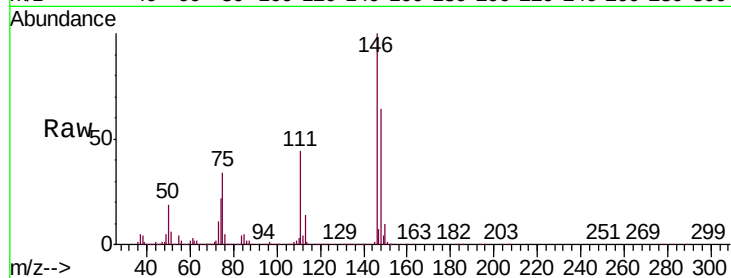
Tgt Ion:146 Resp: 643929

Ion Ratio Lower Upper

146 100

111 43.8 30.7 57.1

148 64.0 44.4 82.5



#63

1,4-Dichlorobenzene

Concen: 4.508 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV014230.D

Acq: 31 Dec 2019 10:34

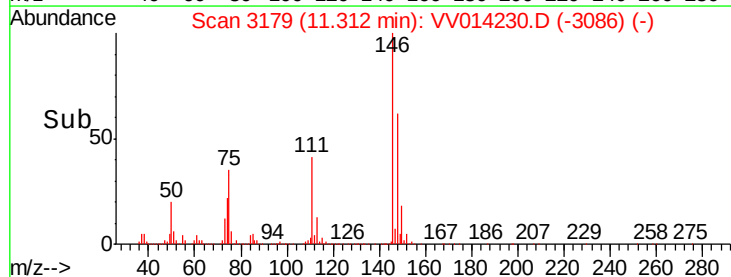
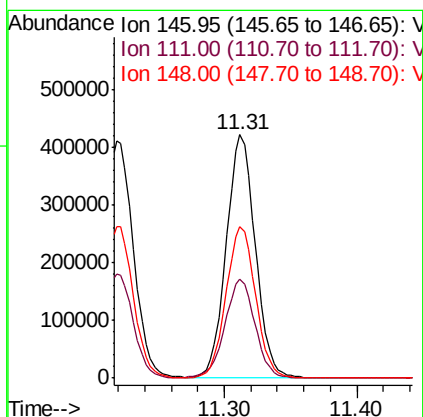
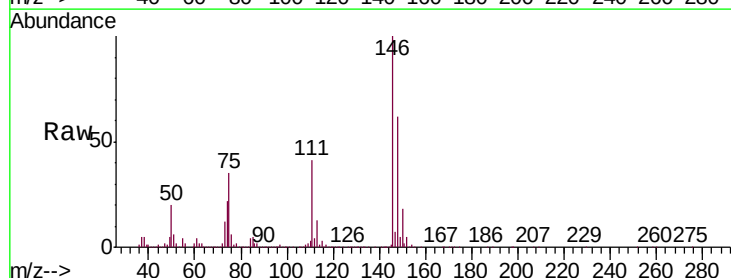
Tgt Ion:146 Resp: 640308

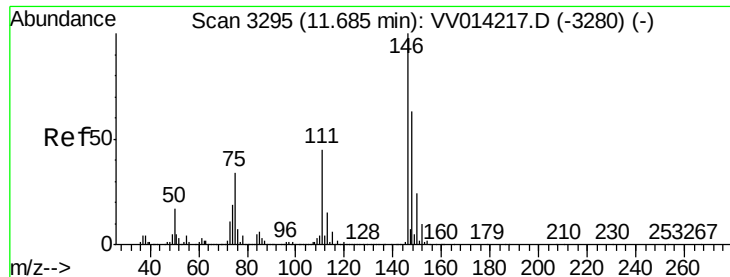
Ion Ratio Lower Upper

146 100

111 40.5 28.8 53.4

148 62.0 44.5 82.7

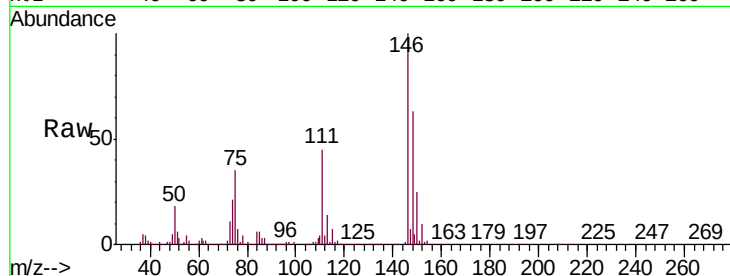




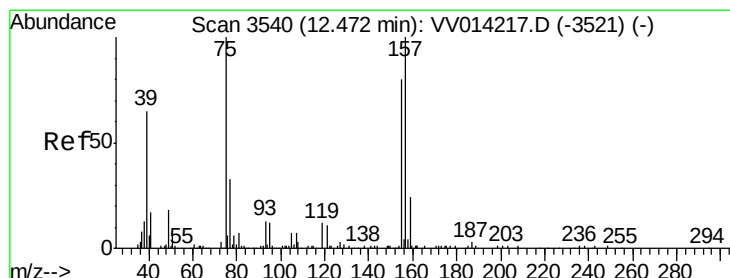
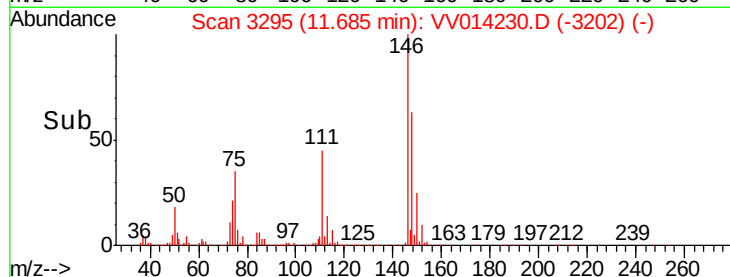
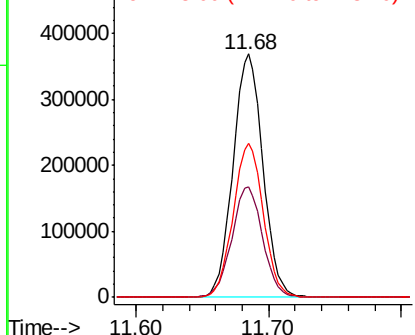
#65
 1,2-Dichlorobenzene
 Concen: 4.428 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014230.D
 Acq: 31 Dec 2019 10:34

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB49

Tgt Ion: 146 Resp: 576722
 Ion Ratio Lower Upper
 146 100
 111 45.3 36.4 54.6
 148 63.4 51.3 76.9

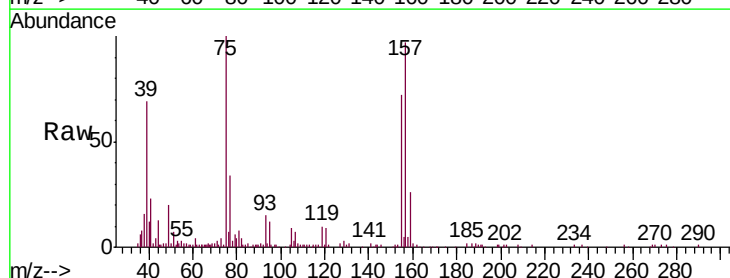


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

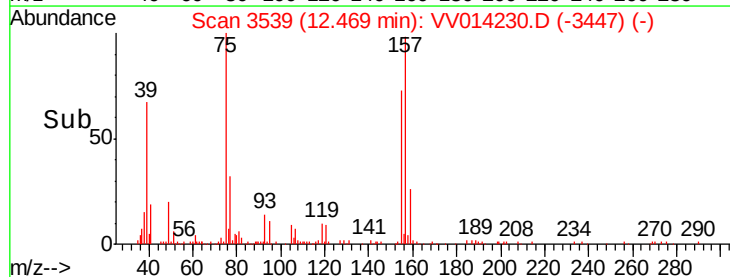
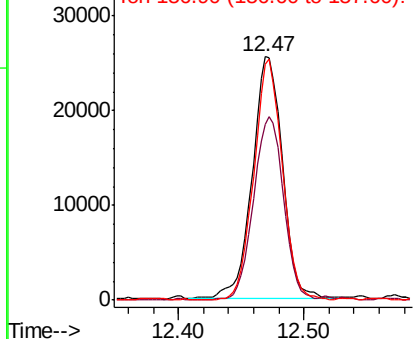


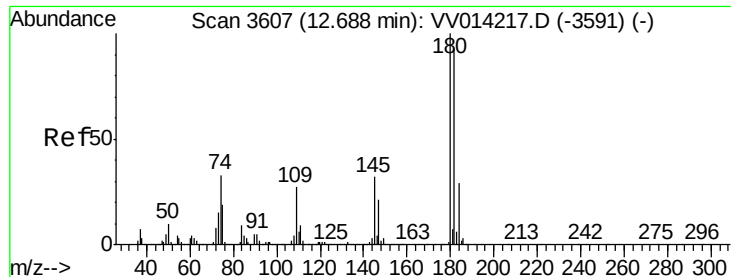
#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.969 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. -0.00 min
 Lab File: VV014230.D
 Acq: 31 Dec 2019 10:34

Tgt Ion: 75 Resp: 42577
 Ion Ratio Lower Upper
 75 100
 155 72.0 56.9 85.3
 157 97.1 82.0 123.0



Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

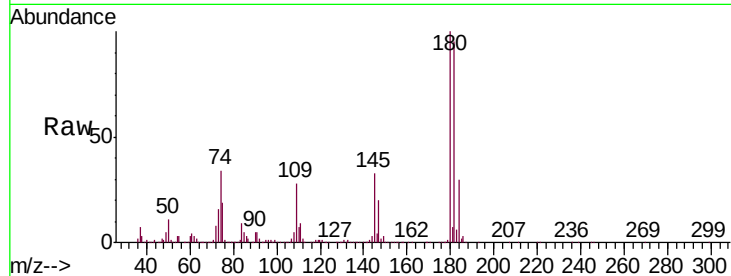




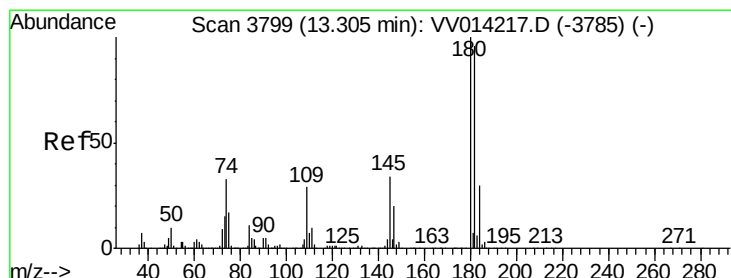
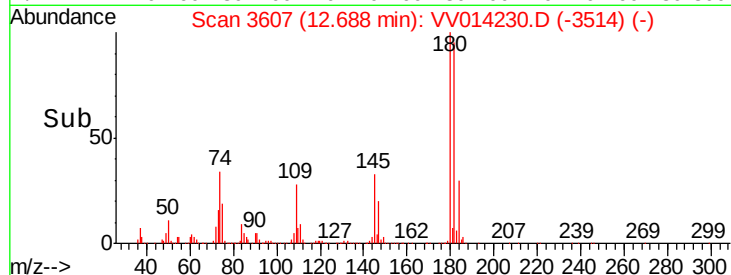
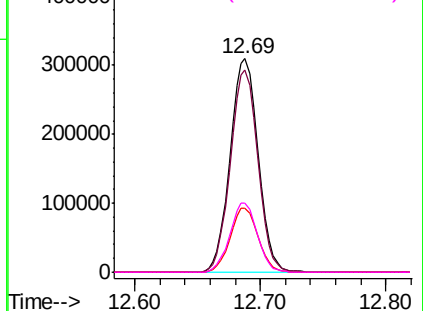
#67
 1,3,5-Trichlorobenzene
 Concen: 4.631 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014230.D
 Acq: 31 Dec 2019 10:34

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB49

Tgt Ion:	180	Resp:	479122
Ion	Ratio	Lower	Upper
180	100		
182	93.3	77.2	115.8
184	29.8	24.6	36.8
145	32.0	26.9	40.3

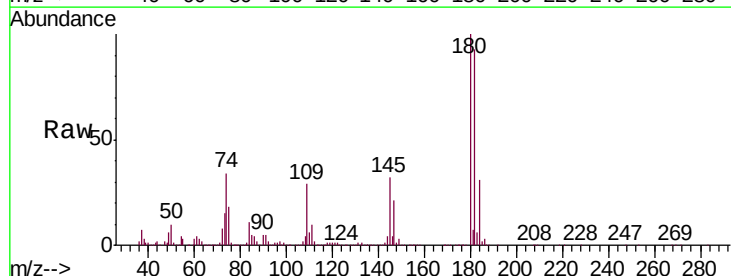


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

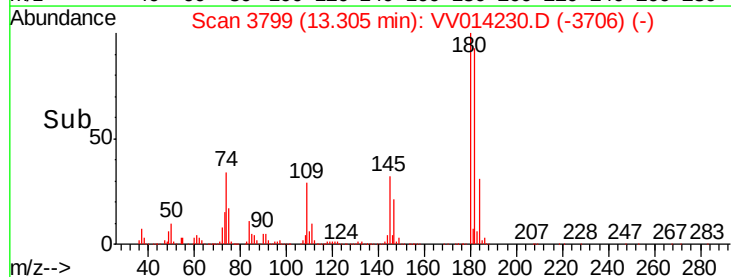
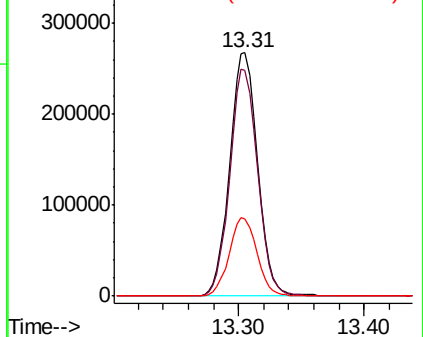


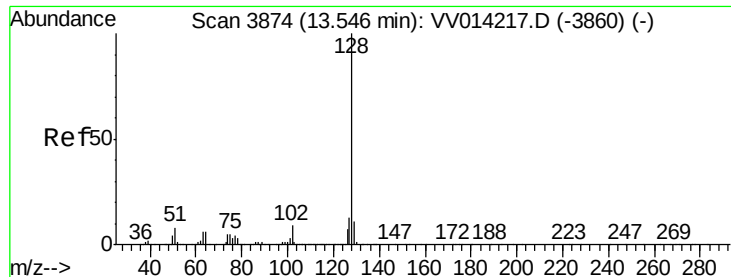
#68
 1,2,4-trichlorobenzene
 Concen: 4.557 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV014230.D
 Acq: 31 Dec 2019 10:34

Tgt Ion:	180	Resp:	413538
Ion	Ratio	Lower	Upper
180	100		
182	92.9	75.2	112.8
145	32.3	26.2	39.4



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.099 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV014230.D

Acq: 31 Dec 2019 10:34

Instrument :

MSVOA_V

ClientSampled :

BFB49

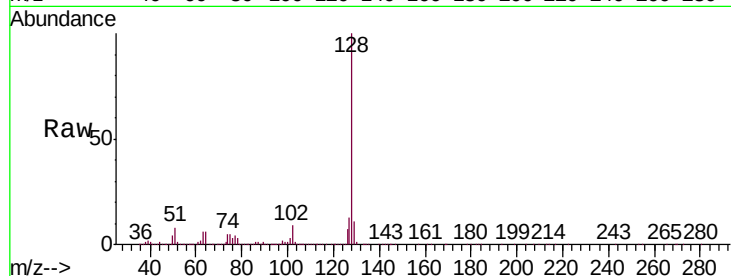
Tgt Ion:128 Resp: 677463

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

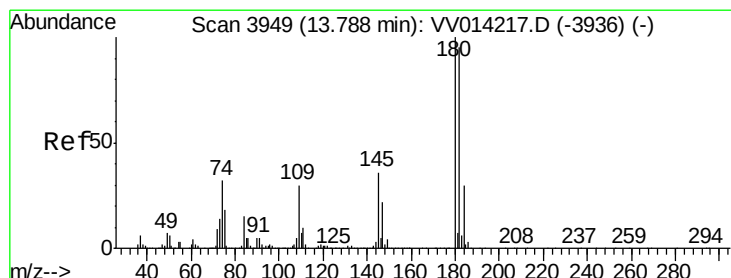
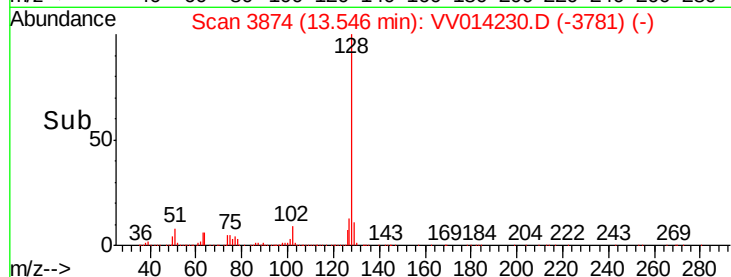
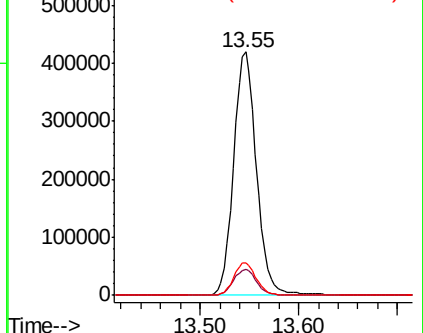
127 13.3 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.393 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV014230.D

Acq: 31 Dec 2019 10:34

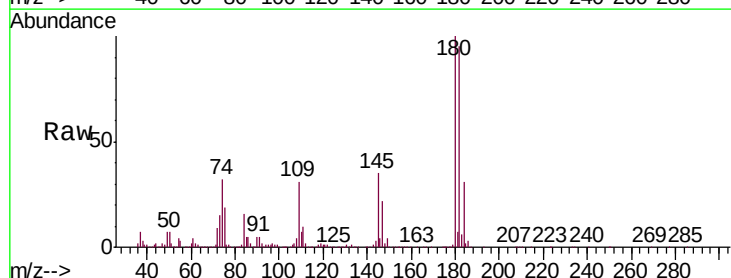
Tgt Ion:180 Resp: 347991

Ion Ratio Lower Upper

180 100

182 96.1 74.8 112.2

145 35.8 29.0 43.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

