

Data File : VV014189.D
Acq On : 27 Dec 2019 13:36
Operator : SY/MD
Sample : VSTD020
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02032

Quant Time: Dec 27 13:56:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR122719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 27 13:32:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	778392	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	714224	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	338219	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	707667	12.67	ug/L	0.00
7) Chloroethane-d5	1.58	69	553789	11.86	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	1227174	12.97	ug/L	0.00
20) 2-Butanone-d5	3.94	46	1906315	180.93	ug/L	0.00
24) Chloroform-d	4.40	84	1851746	17.43	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	891404	17.35	ug/L	0.00
32) Benzene-d6	5.09	84	3807925	19.42	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	1185800	20.17	ug/L	0.00
41) Toluene-d8	7.35	98	3497149	19.80	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	510846	22.45	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	2072990	257.89	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	819370	19.12	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	1134579	18.73	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	1092976	17.390 ug/L	97
3) Chloromethane	1.25	50	1015662	15.688 ug/L	99
5) Vinyl chloride	1.32	62	974178	16.098 ug/L	100
6) Bromomethane	1.53	94	474131	14.211 ug/L	98
8) Chloroethane	1.60	64	483160	13.434 ug/L	97
9) Trichlorofluoromethane	1.77	101	1181523	14.481 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	640038	13.919 ug/L	99
12) 1,1-Dichloroethene	2.14	96	630250	14.042 ug/L	98
13) Acetone	2.21	43	1024028	119.320 ug/L	97
14) Carbon disulfide	2.31	76	2856632	19.153 ug/L	99
15) Methyl Acetate	2.46	43	398151	19.649 ug/L	95
16) Methylene chloride	2.53	84	1012018	16.770 ug/L	97
17) Methyl tert-butyl Ether	2.80	73	2450691	22.193 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	1037343	19.542 ug/L	99
19) 1,1-Dichloroethane	3.23	63	1939278	19.684 ug/L	98
21) 2-Butanone	4.02	43	2204253	187.503 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	1157838	21.182 ug/L	# 99
23) Bromochloromethane	4.29	128	449544	17.799 ug/L	96
25) Chloroform	4.42	83	1938433	19.196 ug/L	97
27) 1,2-Dichloroethane	5.18	62	1116155	19.420 ug/L	97
29) 1,1,1-Trichloroethane	4.65	97	1685465	20.287 ug/L	100
30) Cyclohexane	4.72	56	1780109	22.396 ug/L	99
31) Carbon tetrachloride	4.87	117	1436815	19.432 ug/L	100
33) Benzene	5.14	78	4290616	21.293 ug/L	100
34) Trichloroethene	5.96	95	1147509	21.619 ug/L	97
35) Methylcyclohexane	6.17	83	1839436	23.349 ug/L	98
37) 1,2-Dichloropropane	6.22	63	1083306	21.785 ug/L	100
38) Bromodichloromethane	6.55	83	1414034	21.863 ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	1748139	24.956 ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	6300206	232.563 ug/L	98

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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	4480952	21.259	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	1352214	24.553	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	705491	20.424	ug/L	99
47) Tetrachloroethene	8.02	164	772757	16.150	ug/L	99
48) 2-Hexanone	8.18	43	4513332	228.051	ug/L	100
49) Dibromochloromethane	8.29	129	900311	20.579	ug/L	98
50) 1,2-Dibromoethane	8.39	107	683668	21.534	ug/L	96
51) Chlorobenzene	8.92	112	2821605	20.487	ug/L	99
52) Ethylbenzene	9.05	91	5049307	22.998	ug/L	99
53) m,p-xylene	9.18	106	1911036	22.521	ug/L	96
54) o-xylene	9.58	106	1872904	23.471	ug/L	98
55) Styrene	9.60	104	3171564	23.024	ug/L	98
56) Isopropylbenzene	9.97	105	4852976	23.010	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	836331	20.669	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	636743	21.222	ug/L	99
61) Bromoform	9.77	173	469408	20.132	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	2121861	21.495	ug/L	100
63) 1,4-Dichlorobenzene	11.31	146	2108368	21.091	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	1910153	20.782	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	155639	27.615	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	1555843	19.166	ug/L	98
68) 1,2,4-trichlorobenzene	13.30	180	1355555	20.473	ug/L	98
69) Naphthalene	13.54	128	2606533	29.996	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	1204406	19.718	ug/L	98

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

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ALS Vial      : 1      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
VSTD02032

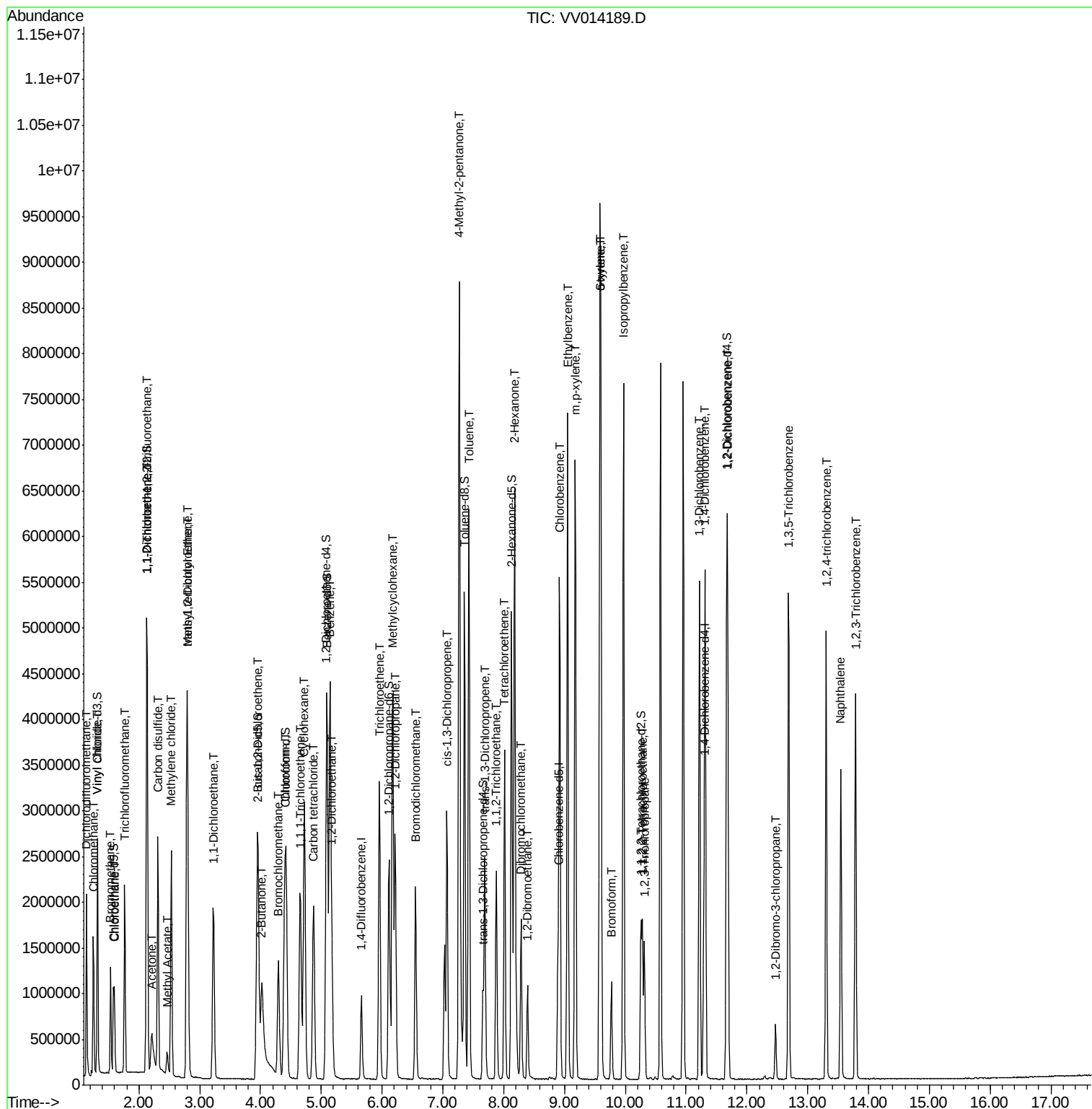
Quant Time: Dec 27 13:56:39 2019

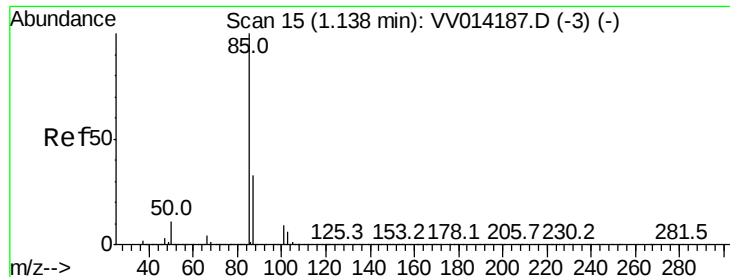
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR122719WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Dec 27 13:32:11 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 17.390 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014189.D

Acq: 27 Dec 2019 13:36

Instrument :

MSVOA_V

ClientSampleId :

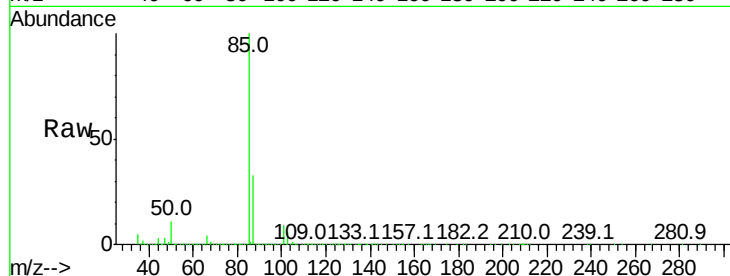
VSTD02032

Tgt Ion: 85 Resp: 1092976

Ion Ratio Lower Upper

85 100

87 32.8 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

1200000

1000000

800000

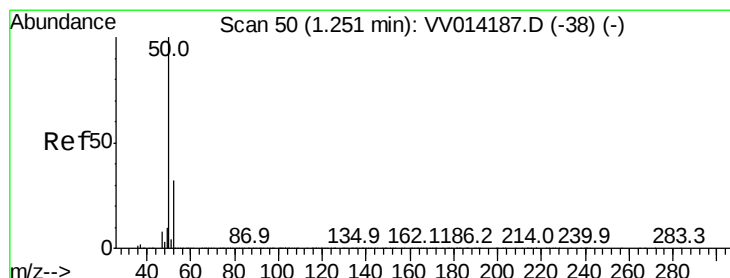
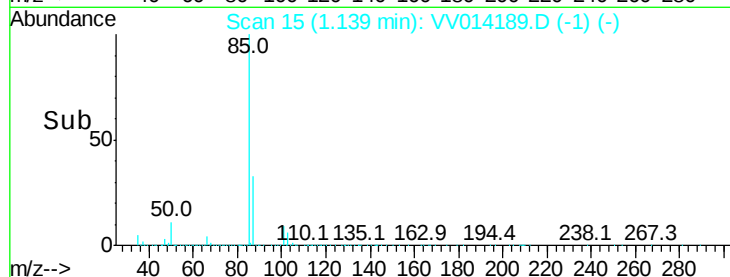
600000

400000

200000

0

Time-->



#3

Chloromethane

Concen: 15.688 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV014189.D

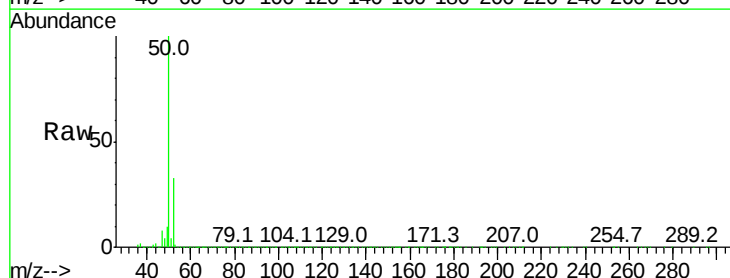
Acq: 27 Dec 2019 13:36

Tgt Ion: 50 Resp: 1015662

Ion Ratio Lower Upper

50 100

52 32.6 22.3 41.3



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

1.25

1000000

800000

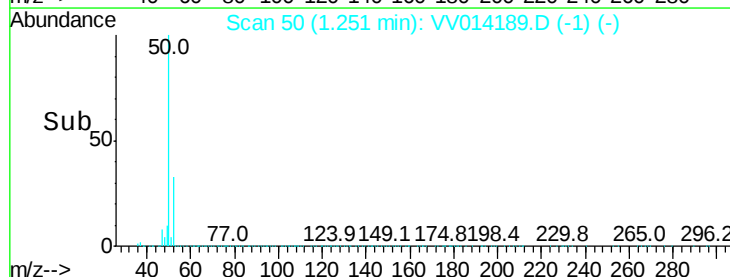
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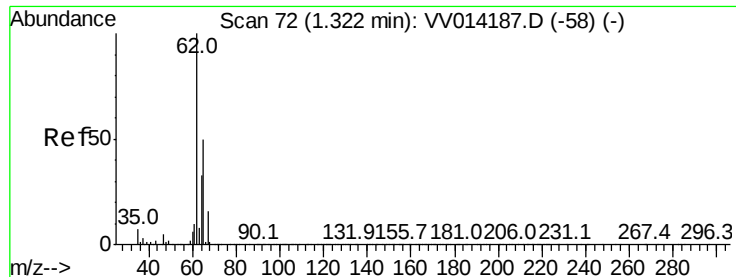
400000

200000

0

Time-->





#5

Vinyl chloride

Concen: 16.098 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV014189.D

Acq: 27 Dec 2019 13:36

Instrument :

MSVOA_V

ClientSampleId :

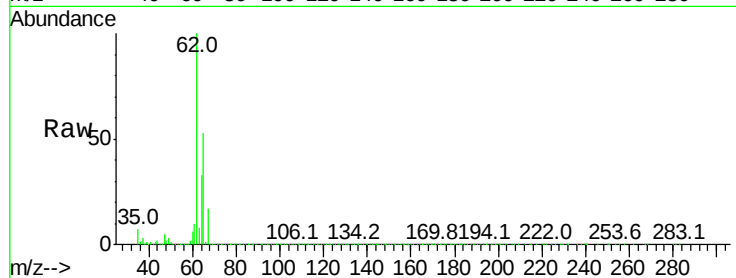
VSTD02032

Tgt Ion: 62 Resp: 974178

Ion Ratio Lower Upper

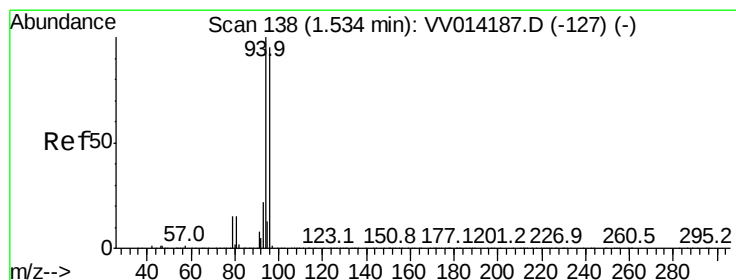
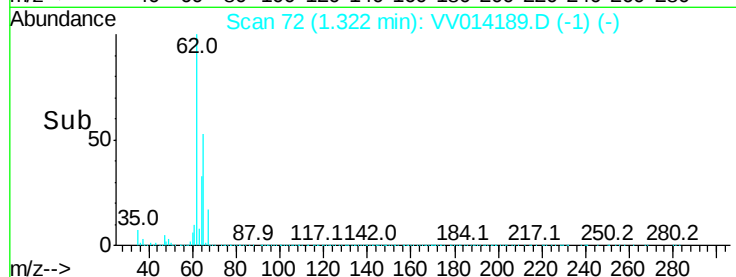
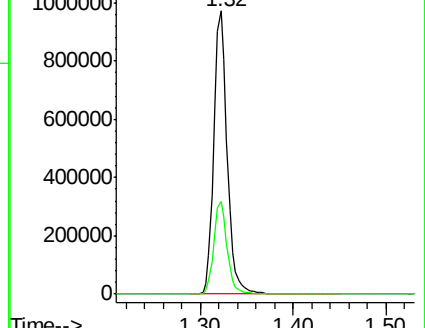
62 100

64 32.7 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 14.211 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV014189.D

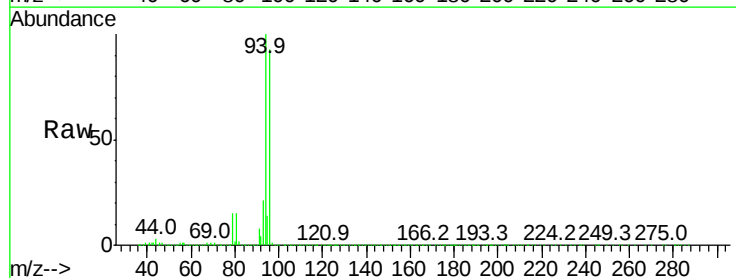
Acq: 27 Dec 2019 13:36

Tgt Ion: 94 Resp: 474131

Ion Ratio Lower Upper

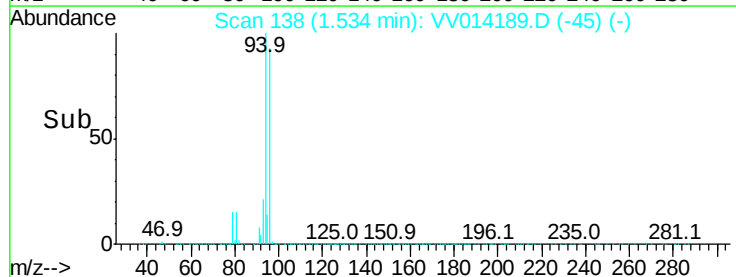
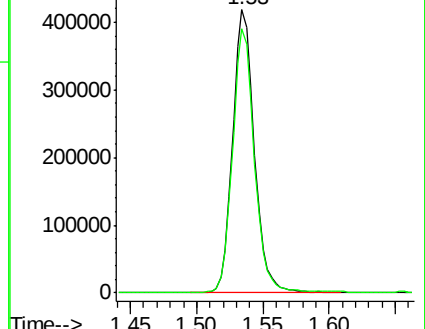
94 100

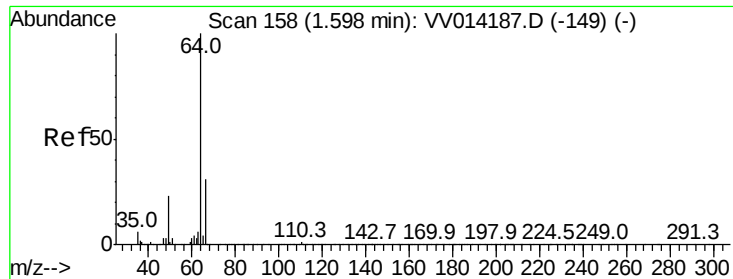
96 93.3 66.9 124.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

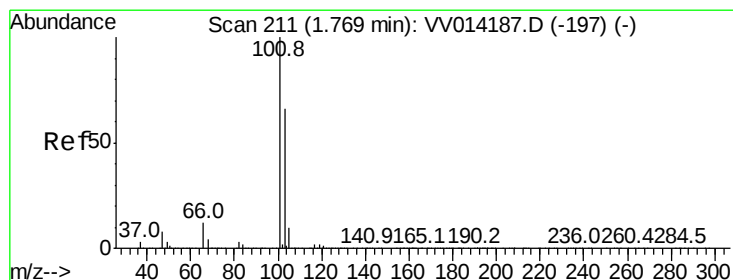
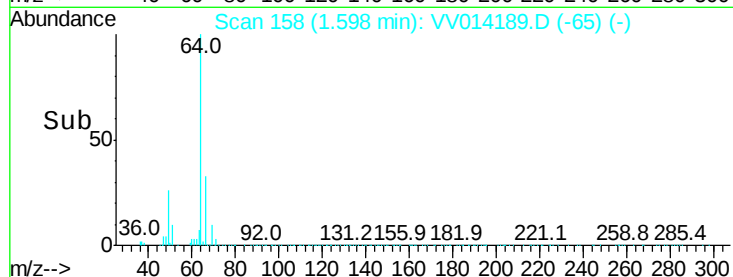
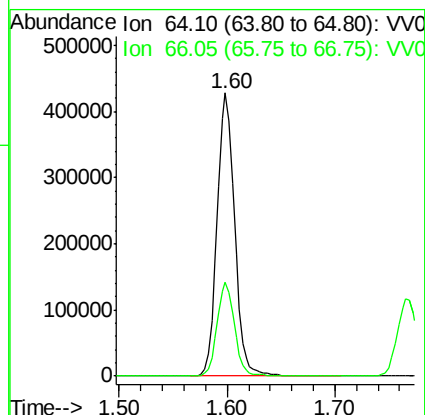
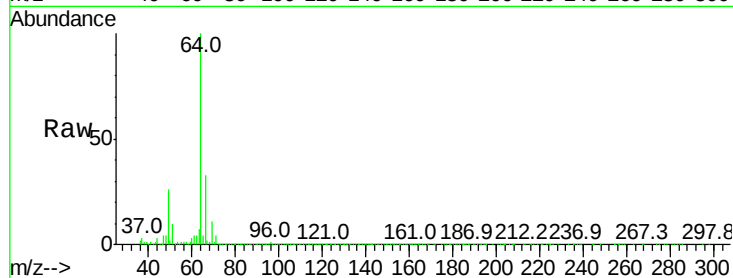




#8
Chloroethane
Concen: 13.434 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV014189.D
Acq: 27 Dec 2019 13:36

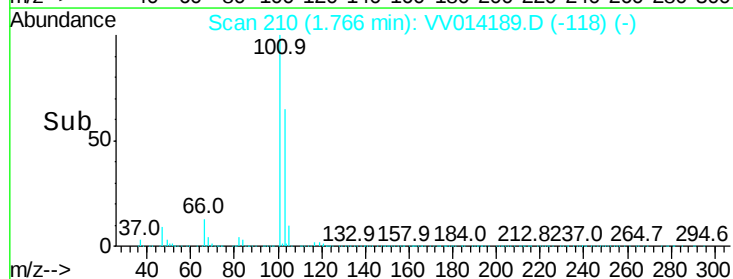
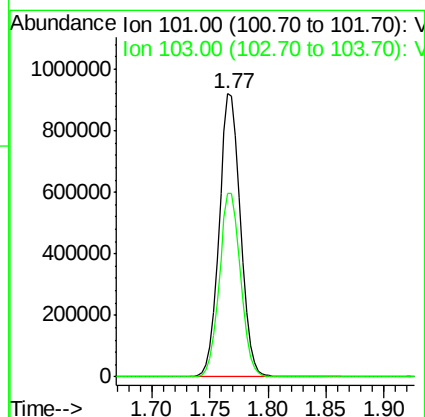
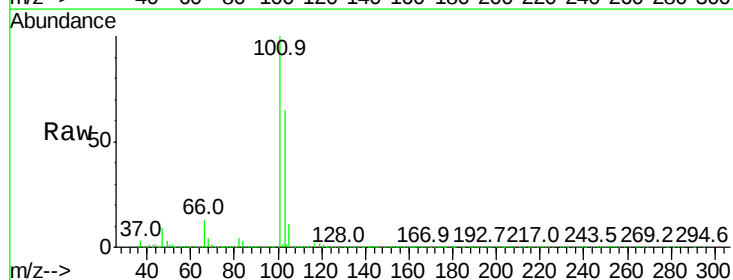
Instrument :
MSVOA_V
ClientSampleId :
VSTD02032

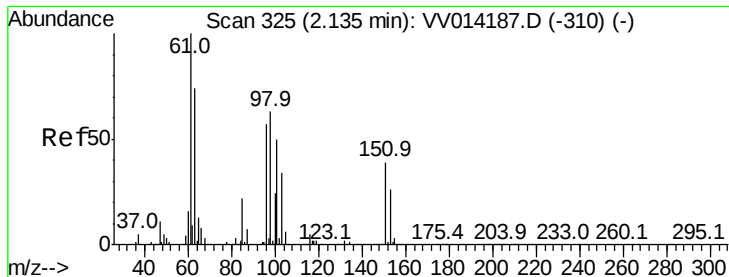
Tgt Ion: 64 Resp: 483160
Ion Ratio Lower Upper
64 100
66 33.1 21.8 40.6



#9
Trichlorofluoromethane
Concen: 14.481 ug/L
RT: 1.77 min Scan# 210
Delta R.T. -0.00 min
Lab File: VV014189.D
Acq: 27 Dec 2019 13:36

Tgt Ion: 101 Resp: 1181523
Ion Ratio Lower Upper
101 100
103 64.9 52.6 78.8





#10

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

Concen: 13.919 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV014189.D

Acq: 27 Dec 2019 13:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD02032

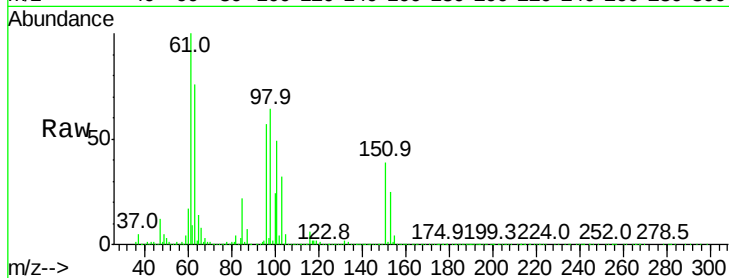
Tgt Ion: 101 Resp: 640038

Ion Ratio Lower Upper

101 100

85 43.0 34.9 52.3

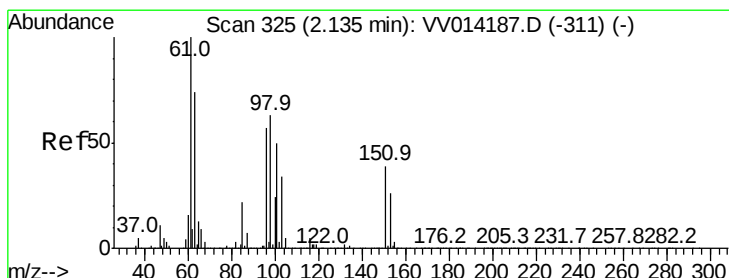
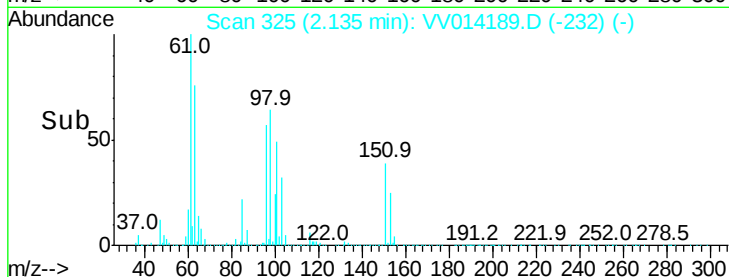
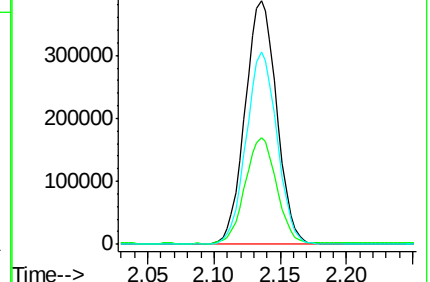
151 77.4 62.5 93.7



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: 14.042 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV014189.D

Acq: 27 Dec 2019 13:36

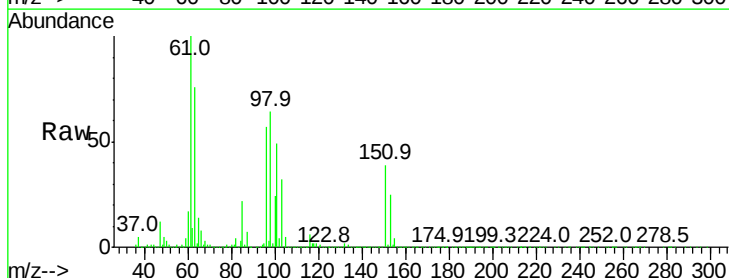
Tgt Ion: 96 Resp: 630250

Ion Ratio Lower Upper

96 100

61 174.8 121.5 225.7

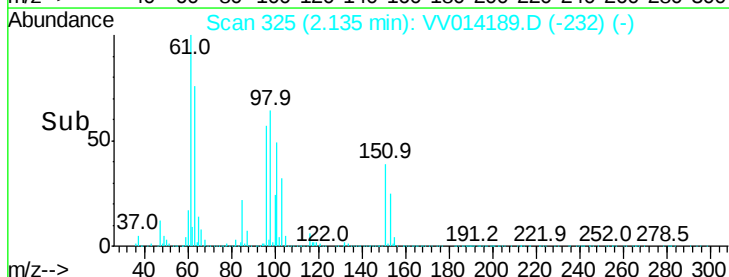
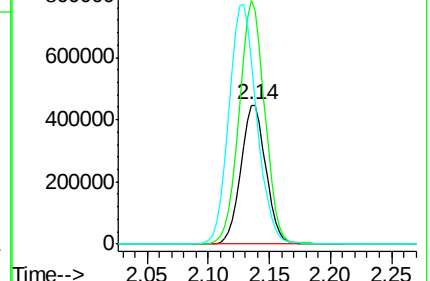
63 132.0 90.3 167.7

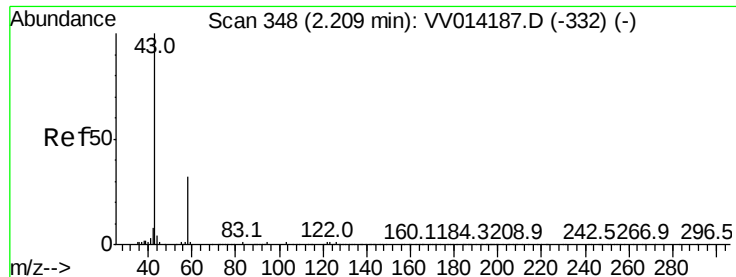


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 119.320 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.00 min

Lab File: VV014189.D

Acq: 27 Dec 2019 13:36

Instrument :

MSVOA_V

ClientSampleId :

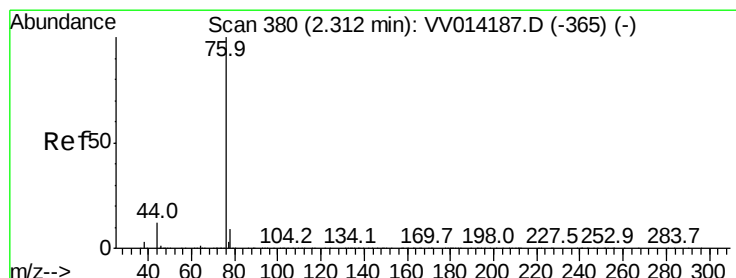
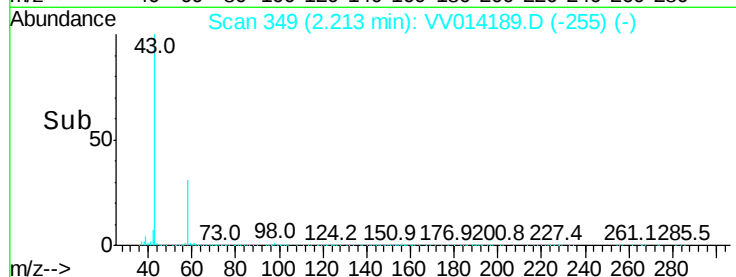
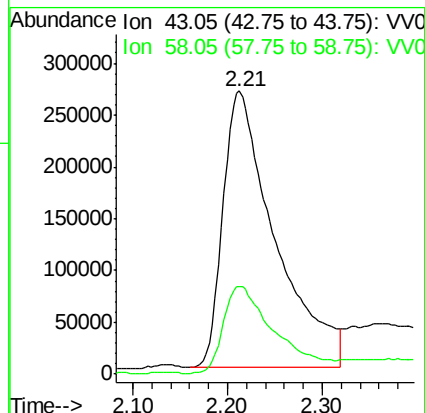
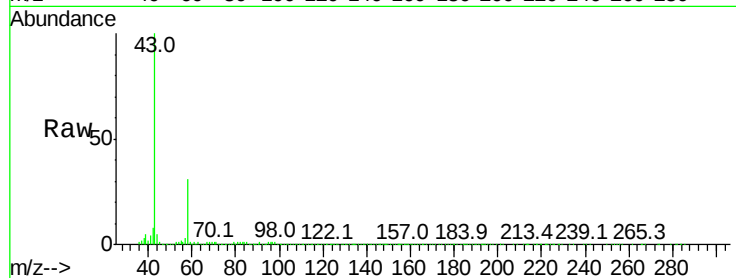
VSTD02032

Tgt Ion: 43 Resp: 1024028

Ion Ratio Lower Upper

43 100

58 31.4 0.0 66.0



#14

Carbon disulfide

Concen: 19.153 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV014189.D

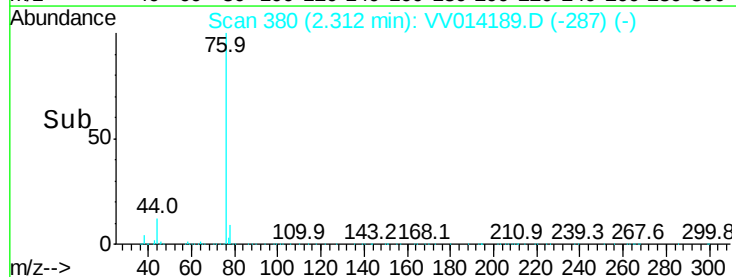
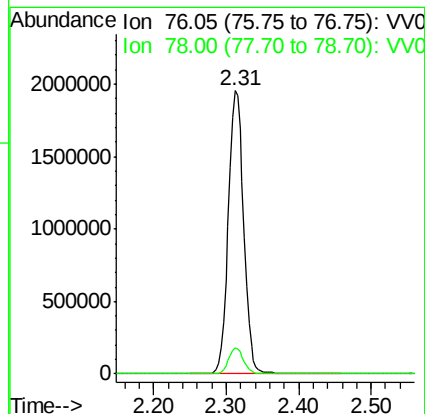
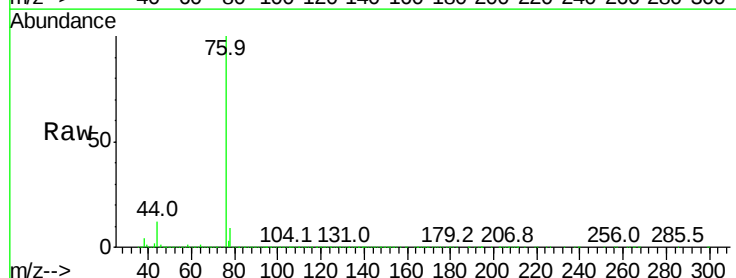
Acq: 27 Dec 2019 13:36

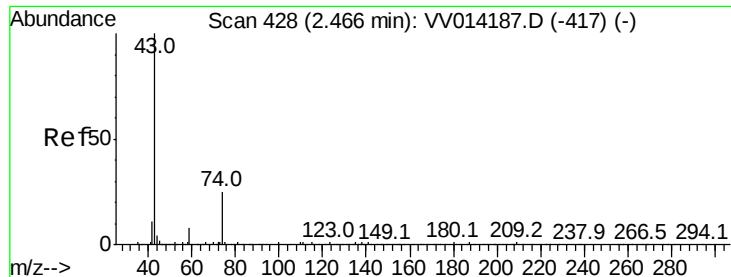
Tgt Ion: 76 Resp: 2856632

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3

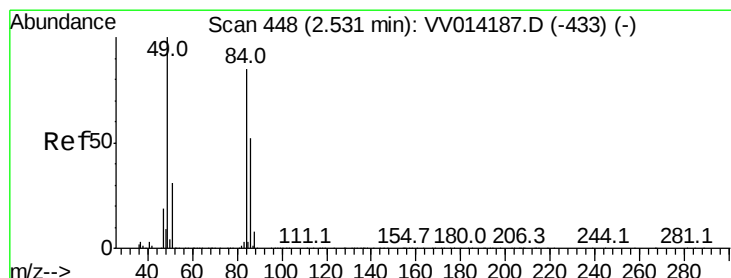
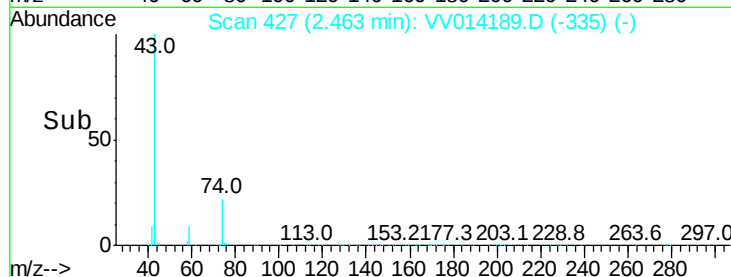
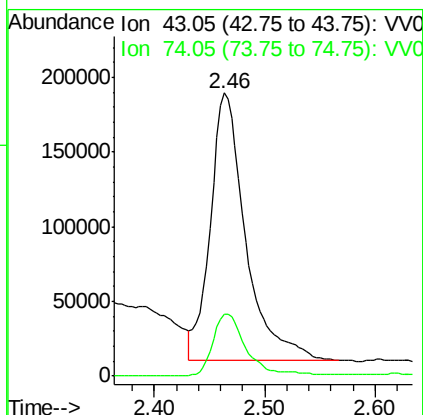
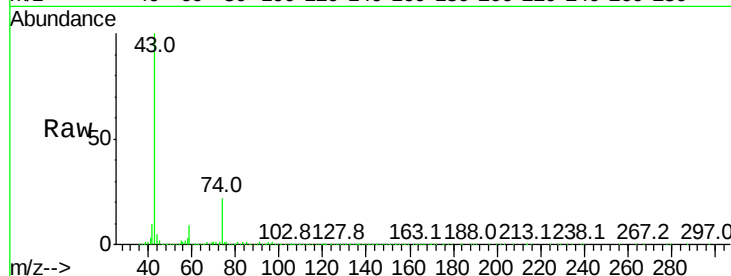




#15
Methyl Acetate
Concen: 19.649 ug/L
RT: 2.46 min Scan# 427
Delta R.T. -0.00 min
Lab File: VV014189.D
Acq: 27 Dec 2019 13:36

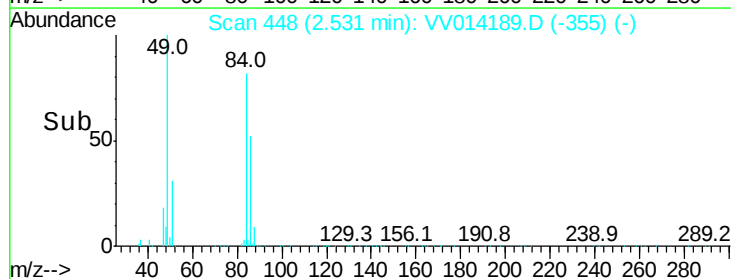
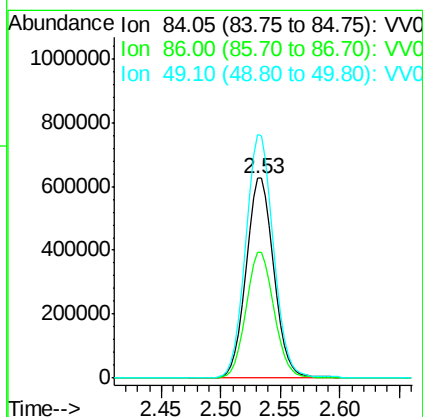
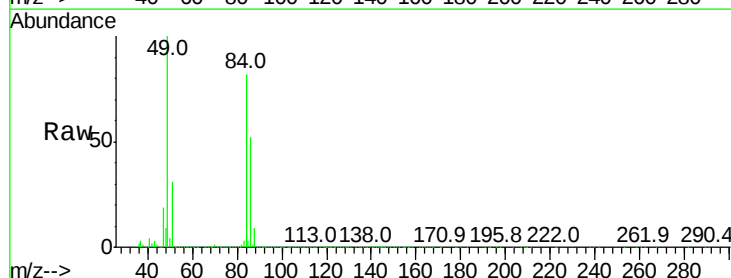
Instrument :
MSVOA_V
ClientSampleId :
VSTD02032

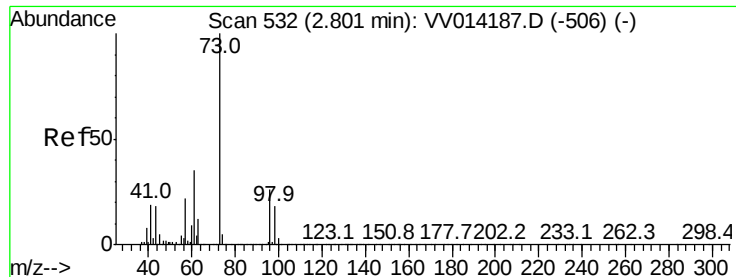
Tgt Ion: 43 Resp: 398151
Ion Ratio Lower Upper
43 100
74 20.8 18.6 28.0



#16
Methylene chloride
Concen: 16.770 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV014189.D
Acq: 27 Dec 2019 13:36

Tgt Ion: 84 Resp: 1012018
Ion Ratio Lower Upper
84 100
86 62.8 43.1 80.1
49 122.0 82.1 152.5





#17

Methyl tert-butyl Ether

Concen: 22.193 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

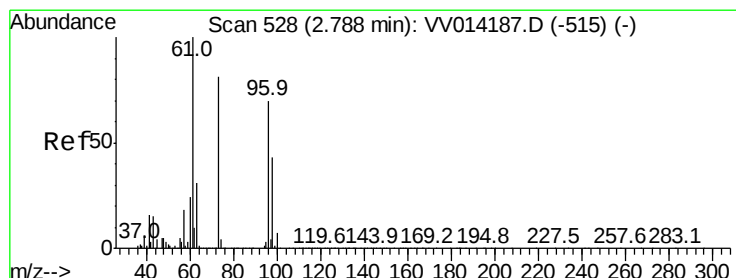
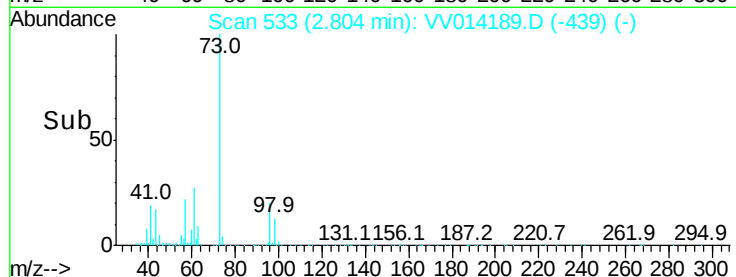
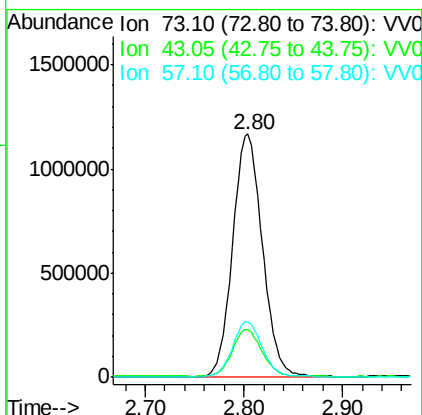
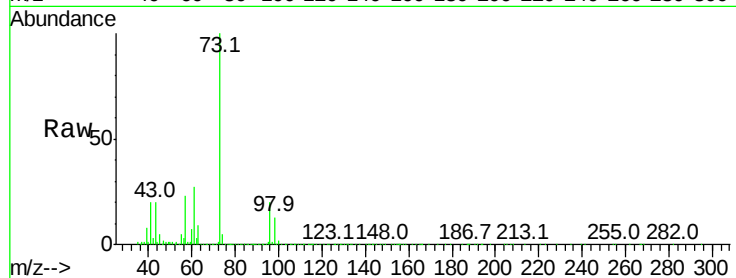
Lab File: VV014189.D

Acq: 27 Dec 2019 13:36

Instrument :
MSVOA_V
ClientSampleId :
VSTD02032

Tgt Ion: 73 Resp: 2450691

Ion	Ratio	Lower	Upper
73	100		
43	19.3	14.7	22.1
57	22.3	17.9	26.9



#18

trans-1,2-Dichloroethene

Concen: 19.542 ug/L

RT: 2.79 min Scan# 528

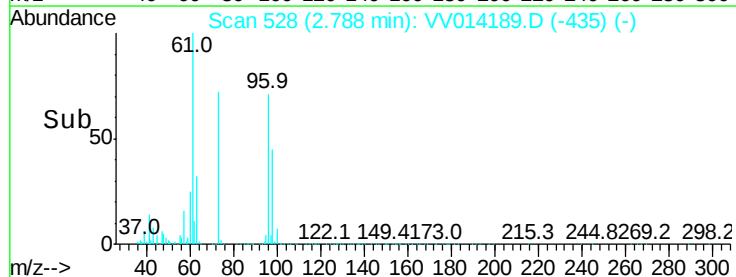
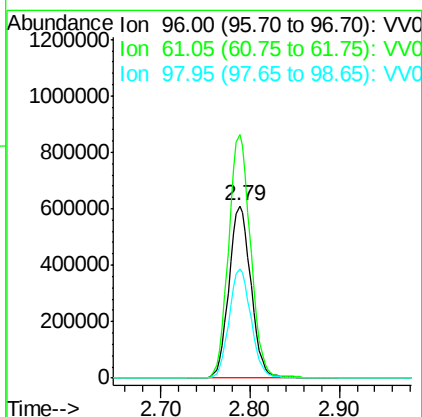
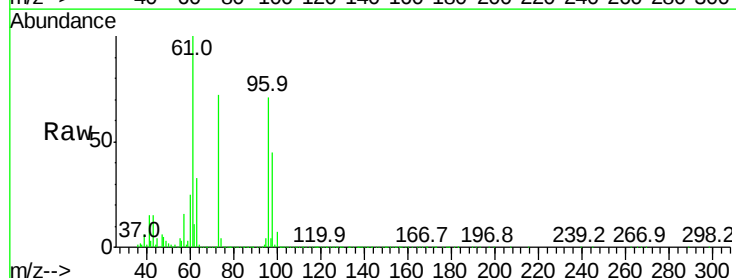
Delta R.T. 0.00 min

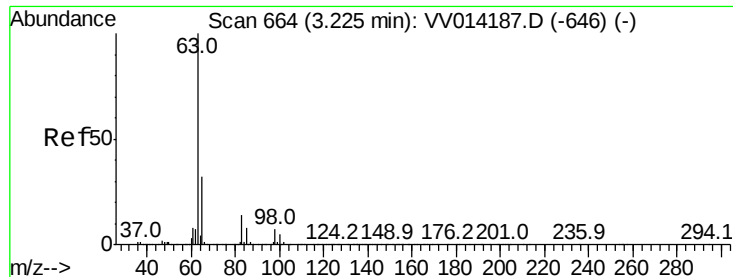
Lab File: VV014189.D

Acq: 27 Dec 2019 13:36

Tgt Ion: 96 Resp: 1037343

Ion	Ratio	Lower	Upper
96	100		
61	141.6	99.2	184.2
98	63.5	43.1	80.1





#19

1,1-Dichloroethane

Concen: 19.684 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.00 min

Lab File: VV014189.D

Acq: 27 Dec 2019 13:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD02032

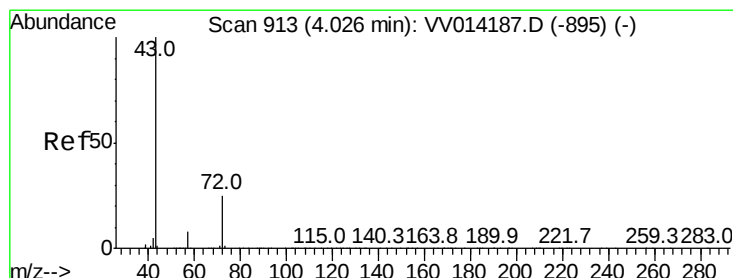
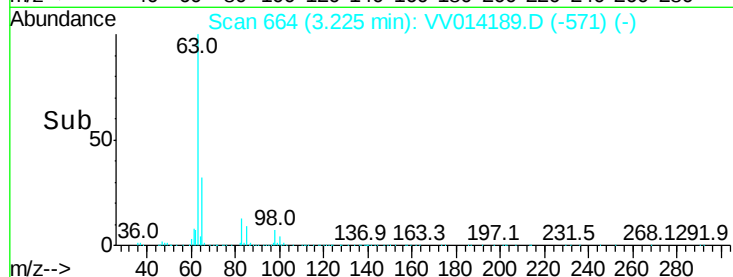
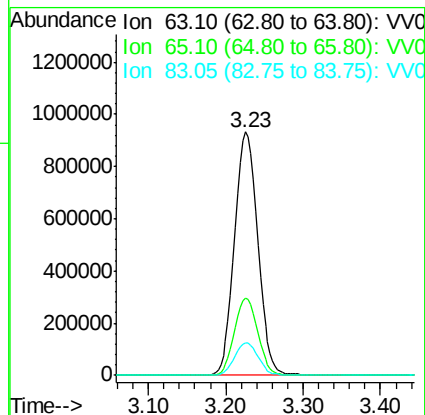
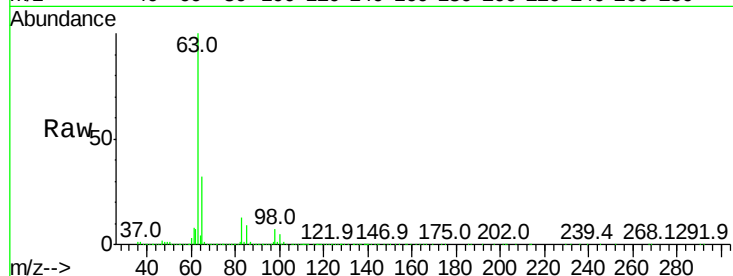
Tgt Ion: 63 Resp: 1939278

Ion Ratio Lower Upper

63 100

65 31.7 22.7 42.3

83 13.4 10.0 18.6



#21

2-Butanone

Concen: 187.503 ug/L

RT: 4.02 min Scan# 912

Delta R.T. -0.00 min

Lab File: VV014189.D

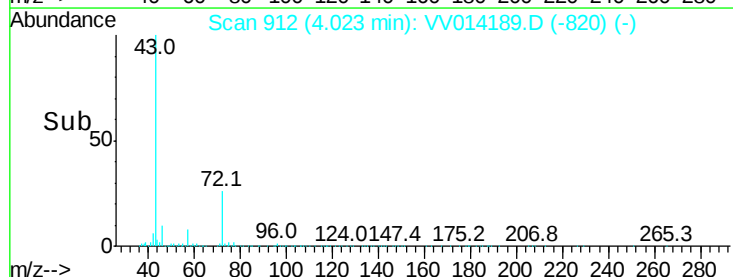
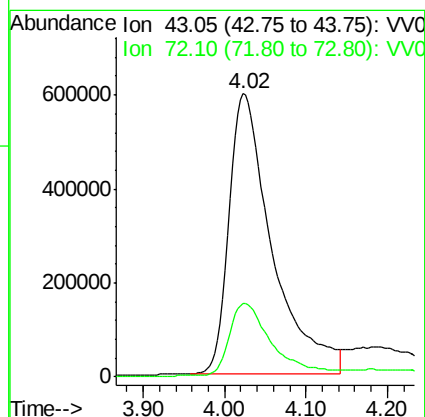
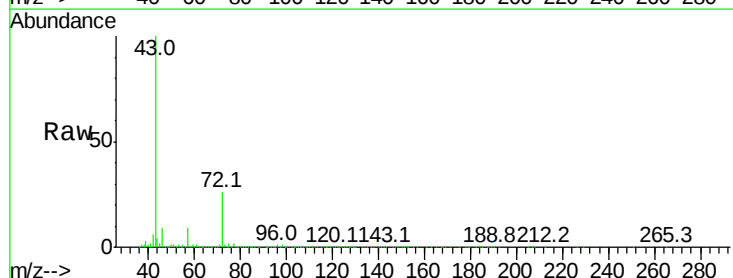
Acq: 27 Dec 2019 13:36

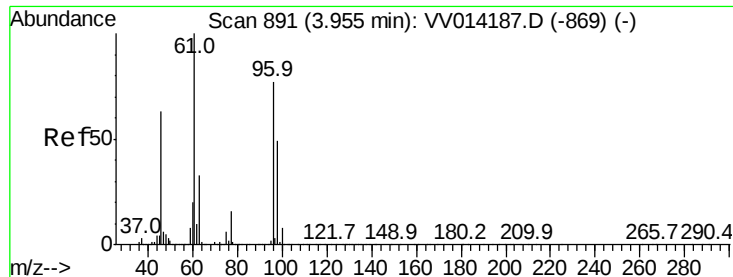
Tgt Ion: 43 Resp: 2204253

Ion Ratio Lower Upper

43 100

72 25.3 12.4 37.2



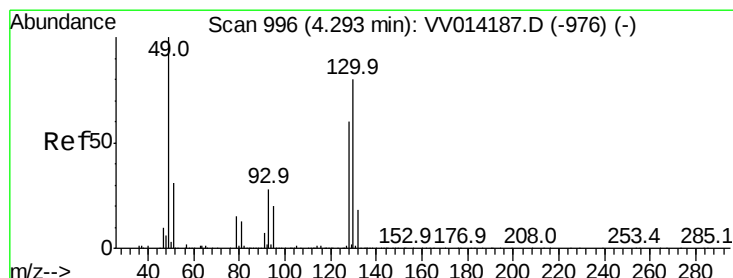
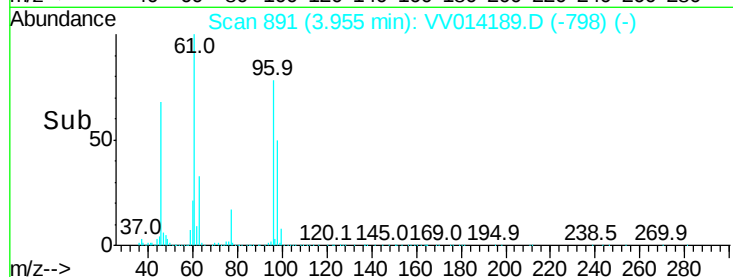
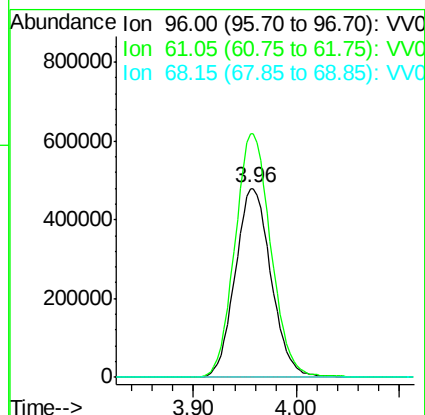
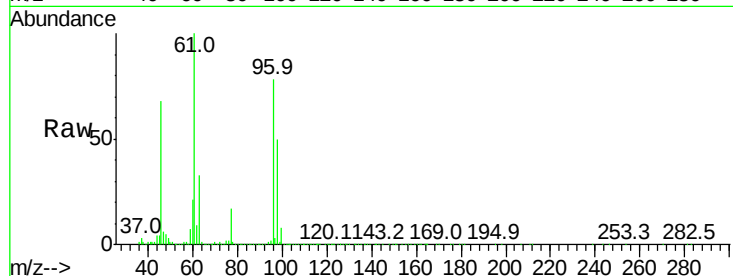


#22

cis-1,2-Dichloroethene
Concen: 21.182 ug/L
RT: 3.96 min Scan# 891
Delta R.T. 0.00 min
Lab File: VV014189.D
Acq: 27 Dec 2019 13:36

Instrument :
MSVOA_V
ClientSampleId :
VSTD02032

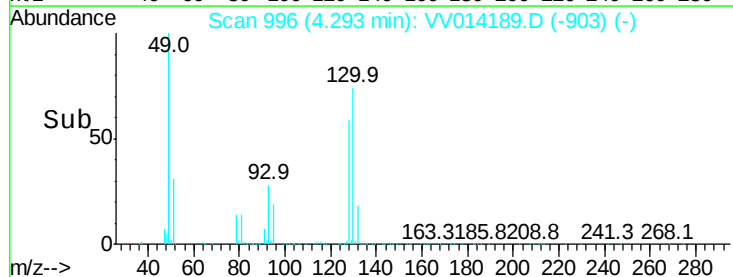
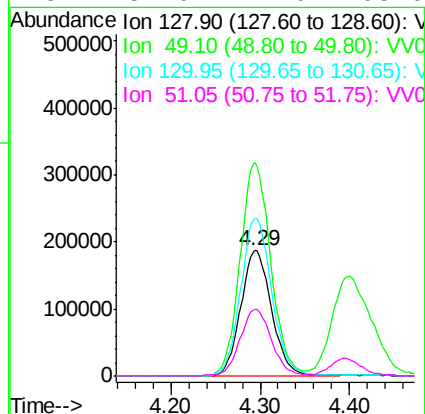
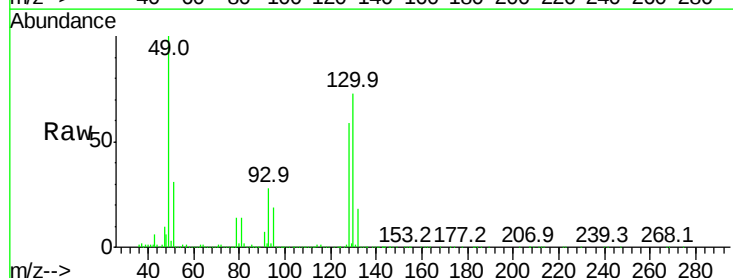
Tgt Ion: 96 Resp: 1157838
Ion Ratio Lower Upper
96 100
61 128.6 90.6 168.3
68 0.1 0.3 0.7#

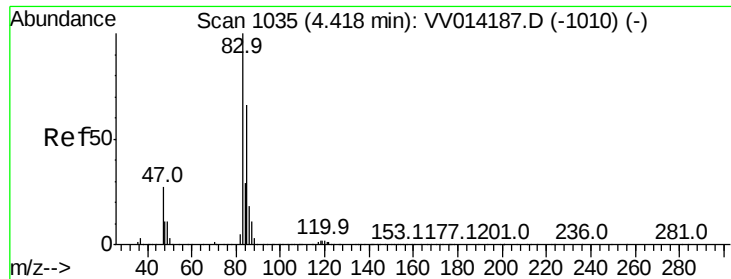


#23

Bromochloromethane
Concen: 17.799 ug/L
RT: 4.29 min Scan# 996
Delta R.T. 0.00 min
Lab File: VV014189.D
Acq: 27 Dec 2019 13:36

Tgt Ion: 128 Resp: 449544
Ion Ratio Lower Upper
128 100
49 170.7 117.5 218.1
130 125.4 93.7 173.9
51 52.9 42.0 63.0





#25

Chloroform

Concen: 19.196 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VV014189.D

Acq: 27 Dec 2019 13:36

Instrument :

MSVOA_V

ClientSampleId :

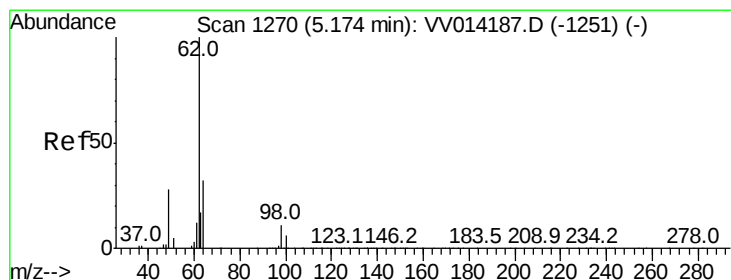
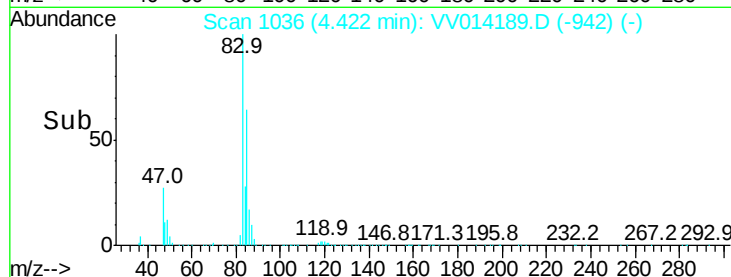
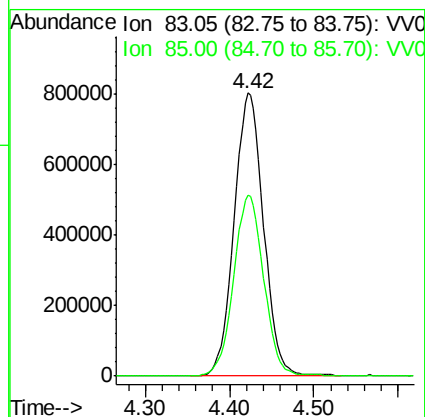
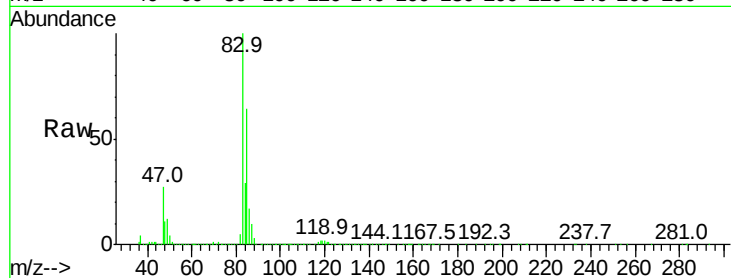
VSTD02032

Tgt Ion: 83 Resp: 1938433

Ion Ratio Lower Upper

83 100

85 64.0 46.2 85.8



#27

1,2-Dichloroethane

Concen: 19.420 ug/L

RT: 5.18 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VV014189.D

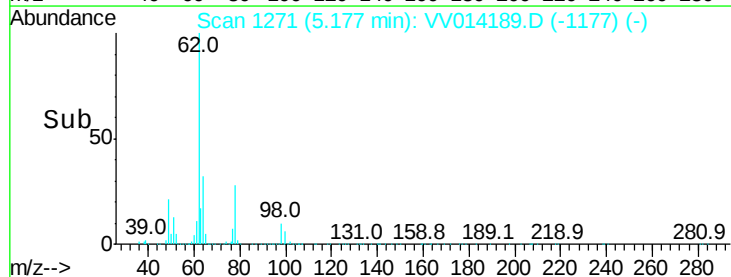
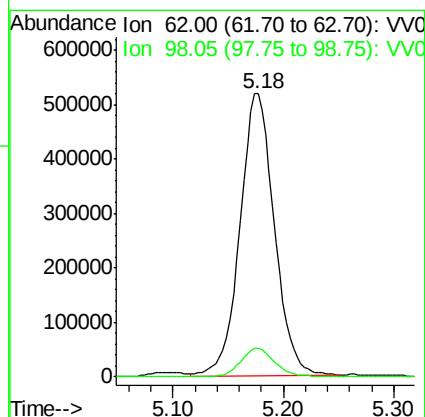
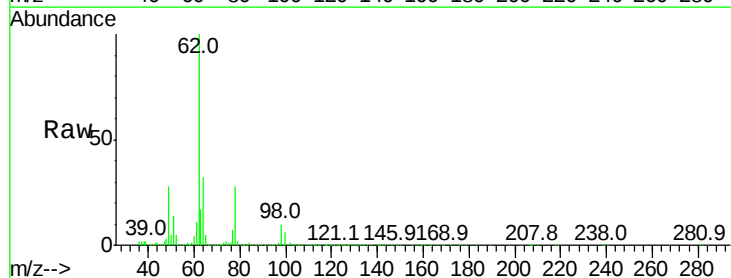
Acq: 27 Dec 2019 13:36

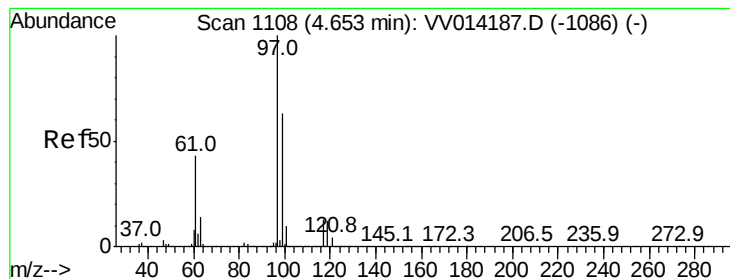
Tgt Ion: 62 Resp: 1116155

Ion Ratio Lower Upper

62 100

98 10.2 9.2 13.8





#29

1,1,1-Trichloroethane

Concen: 20.287 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VV014189.D

Acq: 27 Dec 2019 13:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD02032

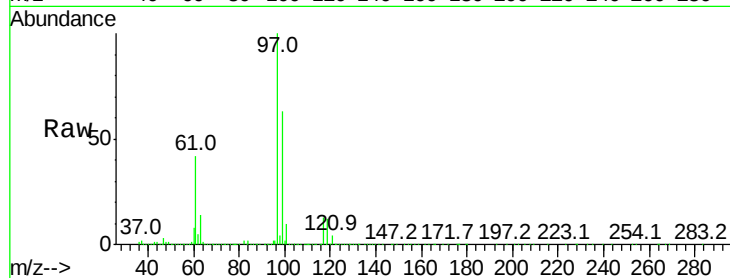
Tgt Ion: 97 Resp: 1685465

Ion Ratio Lower Upper

97 100

99 64.2 51.1 76.7

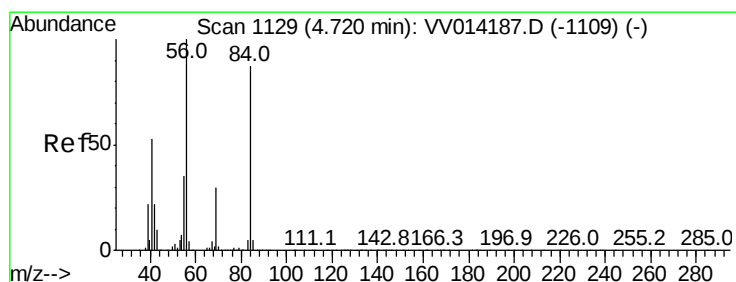
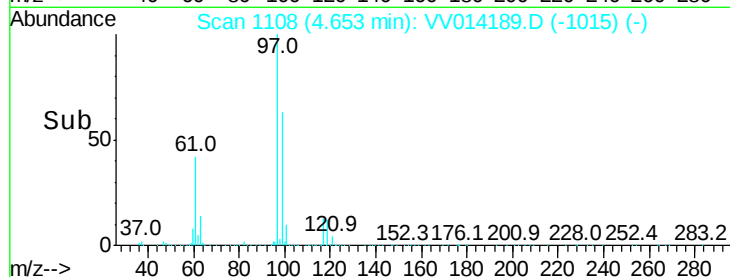
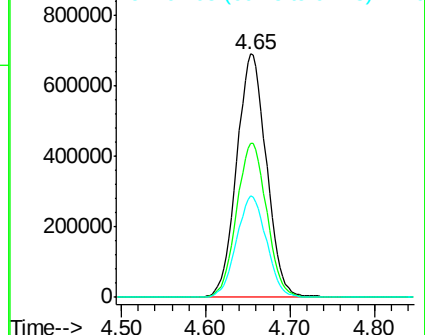
61 42.0 33.9 50.9



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 22.396 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VV014189.D

Acq: 27 Dec 2019 13:36

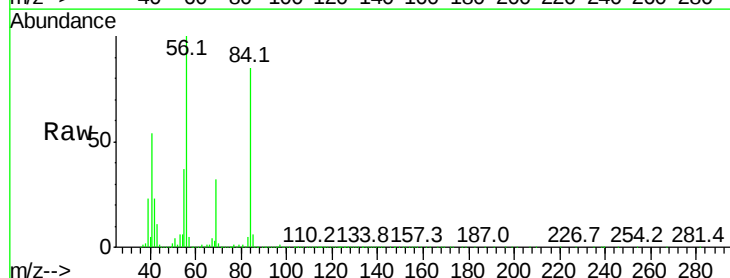
Tgt Ion: 56 Resp: 1780109

Ion Ratio Lower Upper

56 100

69 31.6 23.9 35.9

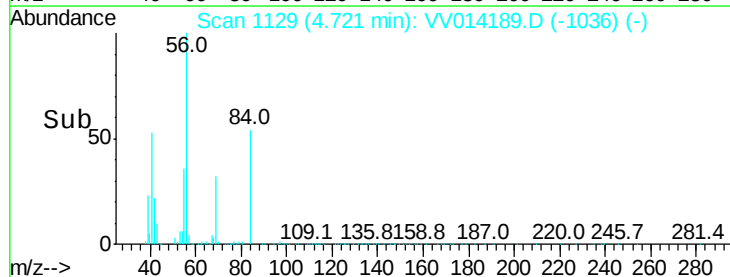
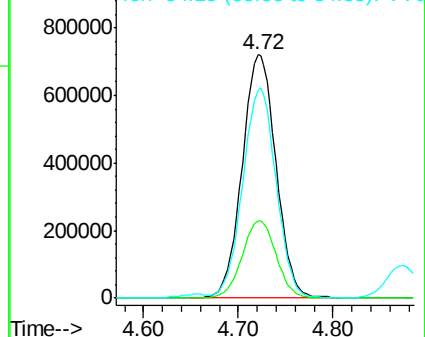
84 85.7 68.9 103.3

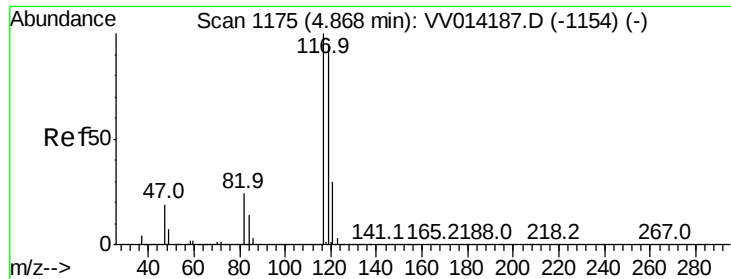


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0

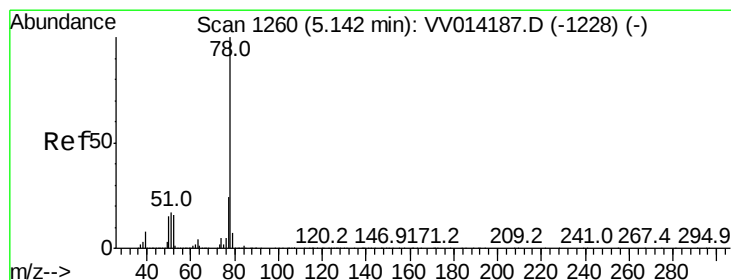
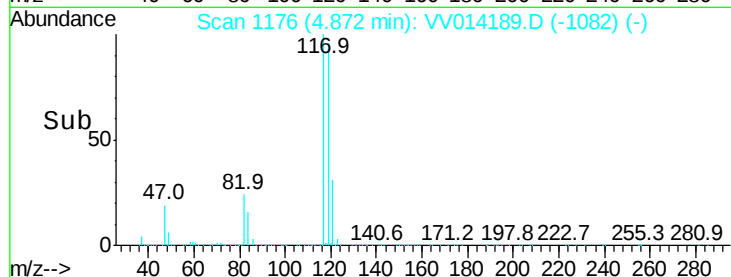
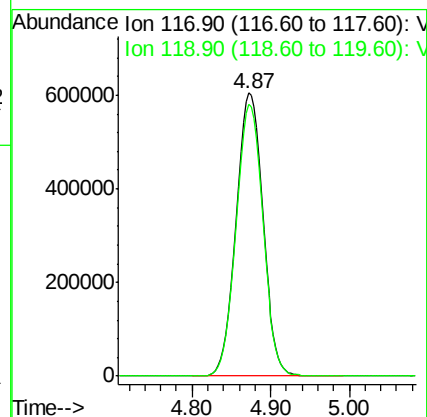
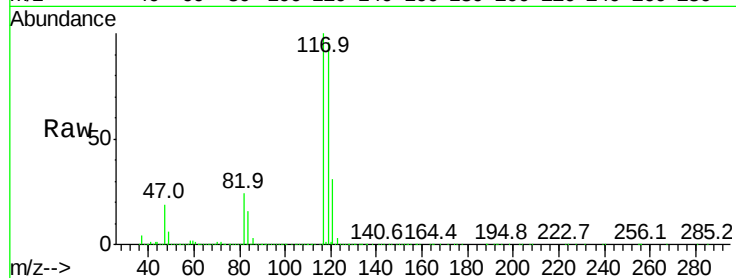




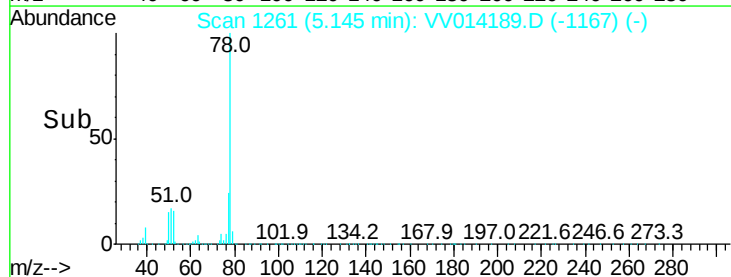
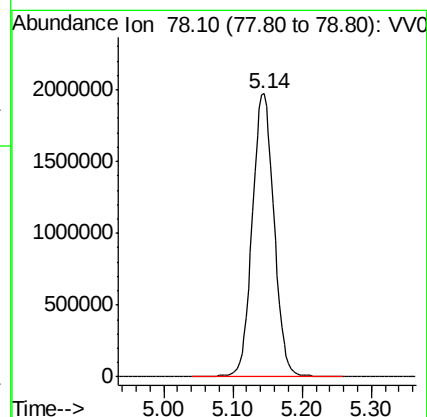
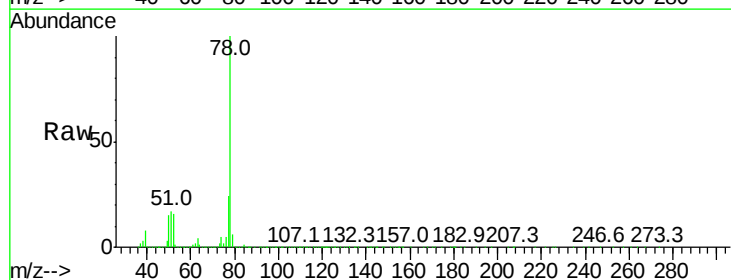
#31
Carbon tetrachloride
Concen: 19.432 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VV014189.D
Acq: 27 Dec 2019 13:36

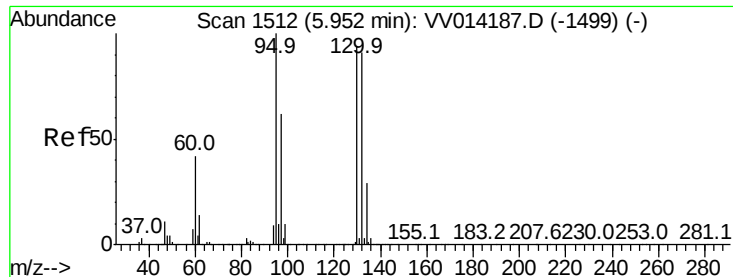
Instrument :
MSVOA_V
ClientSampleId :
VSTD02032

Tgt Ion:117 Resp: 1436815
Ion Ratio Lower Upper
117 100
119 96.0 76.8 115.2



#33
Benzene
Concen: 21.293 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV014189.D
Acq: 27 Dec 2019 13:36
Tgt Ion: 78 Resp: 4290616





#34

Trichloroethene

Concen: 21.619 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV014189.D

Acq: 27 Dec 2019 13:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD02032

Tgt Ion: 95 Resp: 1147509

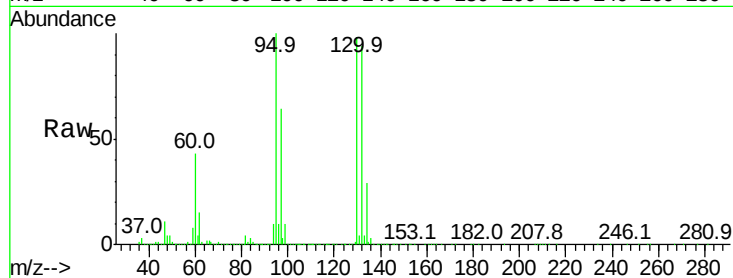
Ion Ratio Lower Upper

95 100

97 64.4 43.8 81.3

132 93.5 63.4 117.8

130 98.0 65.7 122.1

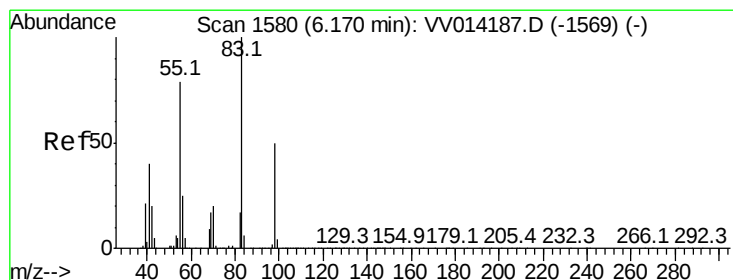
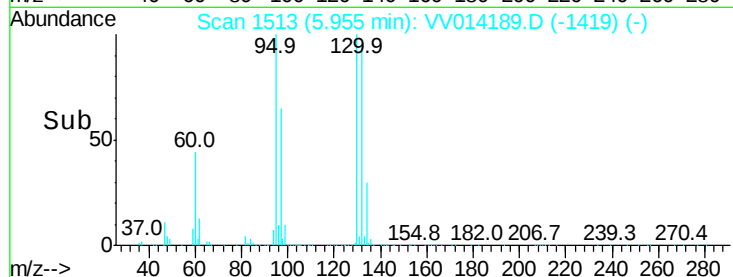
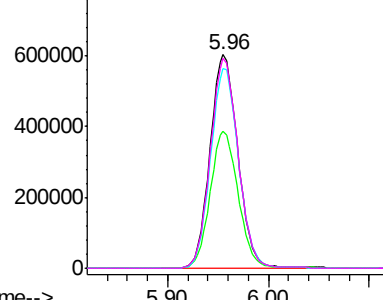


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 23.349 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV014189.D

Acq: 27 Dec 2019 13:36

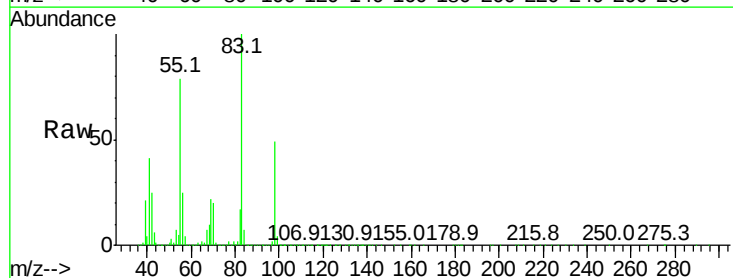
Tgt Ion: 83 Resp: 1839436

Ion Ratio Lower Upper

83 100

55 78.5 61.7 92.5

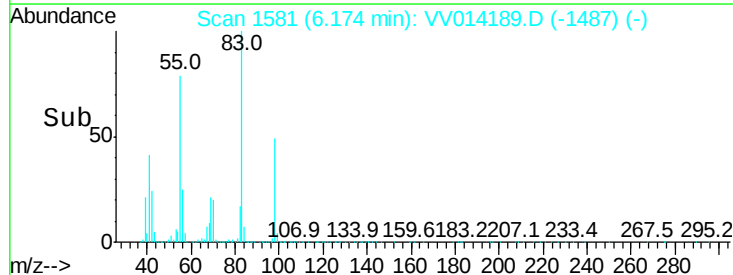
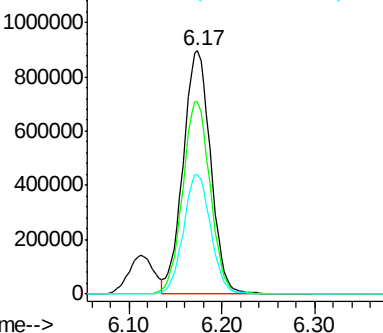
98 48.9 38.1 57.1

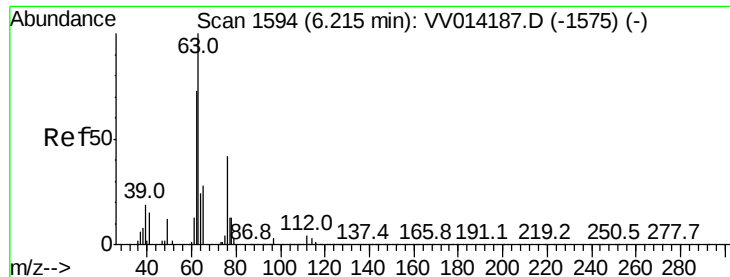


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

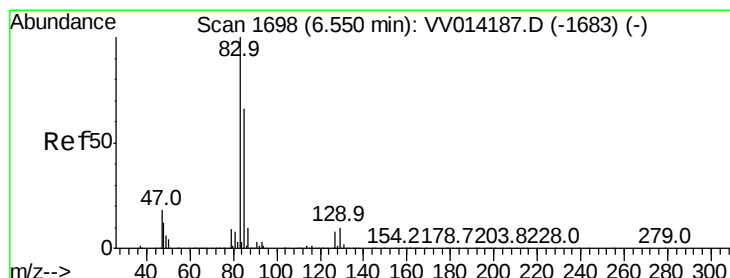
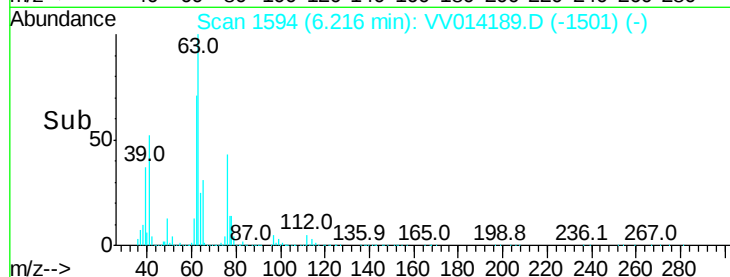
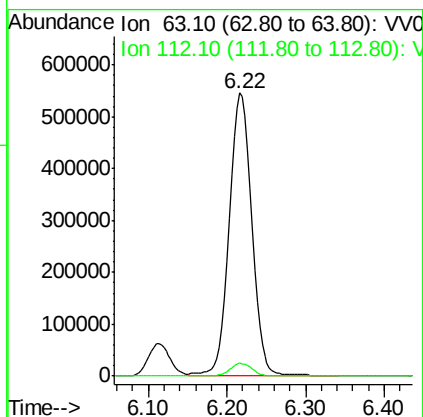
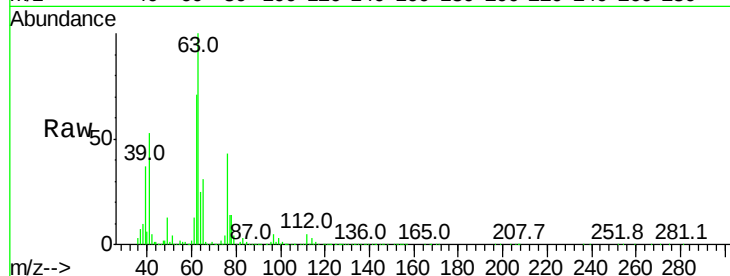




#37
 1,2-Dichloropropane
 Concen: 21.785 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: VV014189.D
 Acq: 27 Dec 2019 13:36

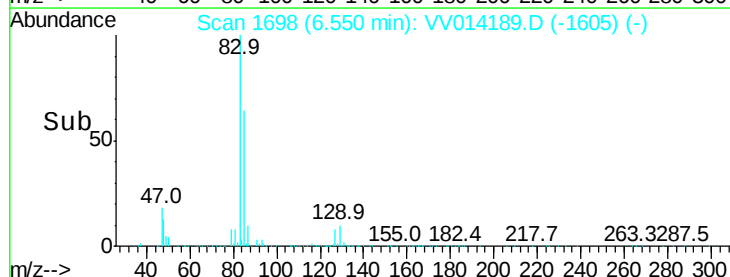
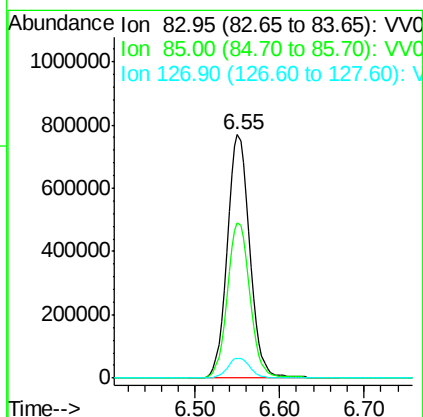
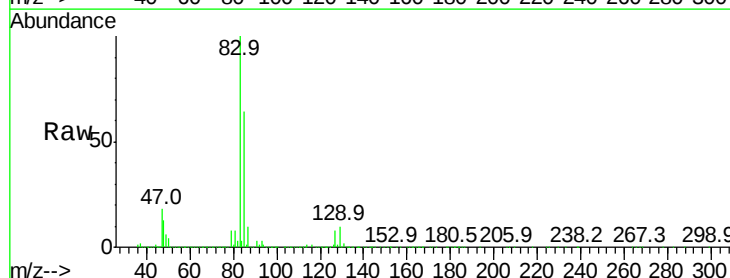
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02032

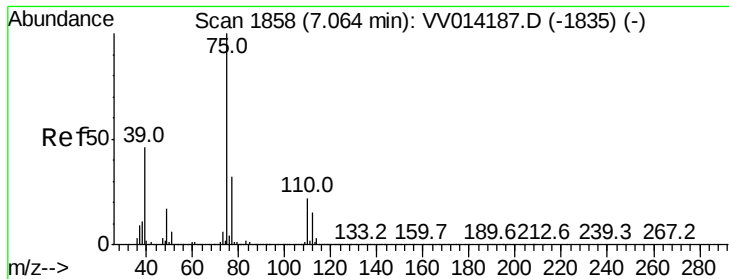
Tgt Ion: 63 Resp: 1083306
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.7 5.5



#38
 Bromodichloromethane
 Concen: 21.863 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VV014189.D
 Acq: 27 Dec 2019 13:36

Tgt Ion: 83 Resp: 1414034
 Ion Ratio Lower Upper
 83 100
 85 63.8 46.4 86.2
 127 8.2 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 24.956 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VV014189.D

Acq: 27 Dec 2019 13:36

Instrument :

MSVOA_V

ClientSampled :

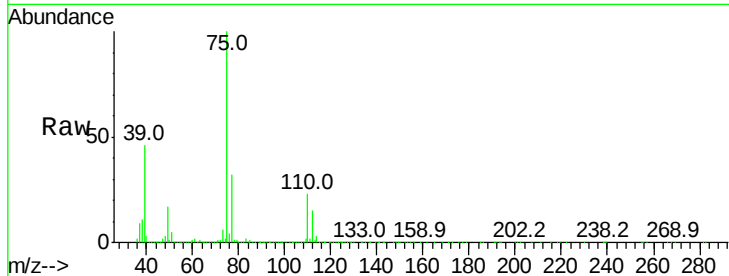
VSTD02032

Tgt Ion: 75 Resp: 1748139

Ion Ratio Lower Upper

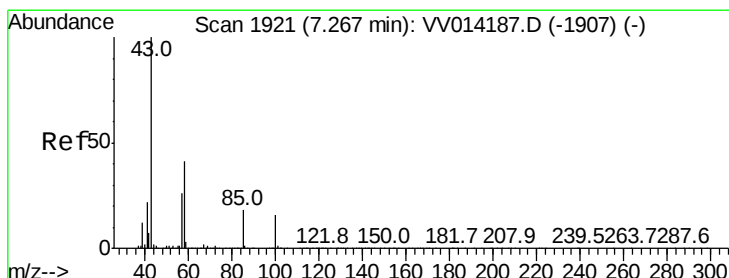
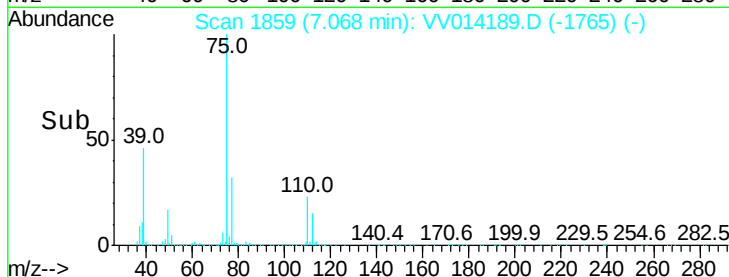
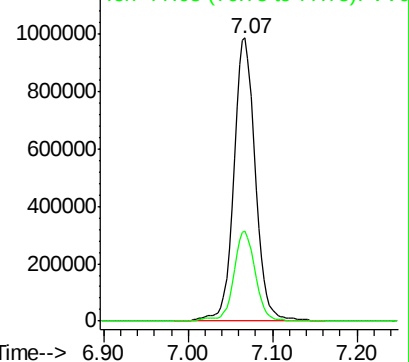
75 100

77 31.8 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#40

4-Methyl-2-pentanone

Concen: 232.563 ug/L

RT: 7.27 min Scan# 1921

Delta R.T. 0.00 min

Lab File: VV014189.D

Acq: 27 Dec 2019 13:36

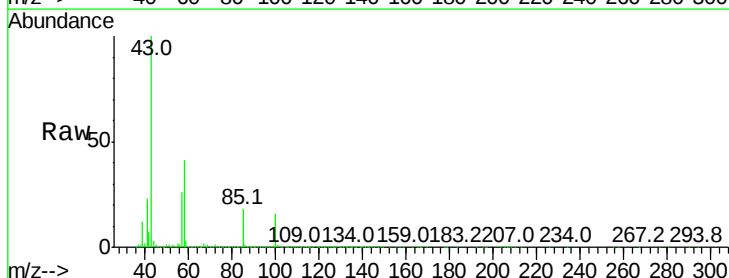
Tgt Ion: 43 Resp: 6300206

Ion Ratio Lower Upper

43 100

58 40.8 31.5 47.3

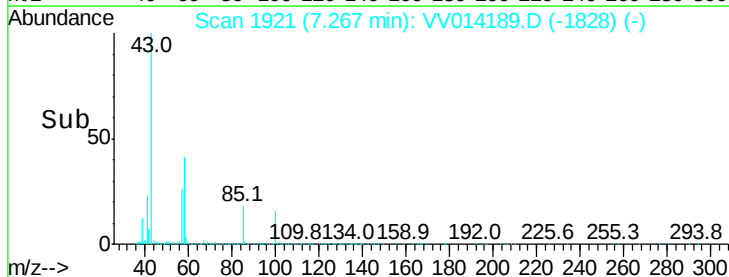
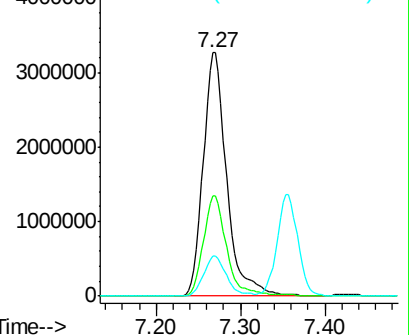
100 16.0 12.2 18.2

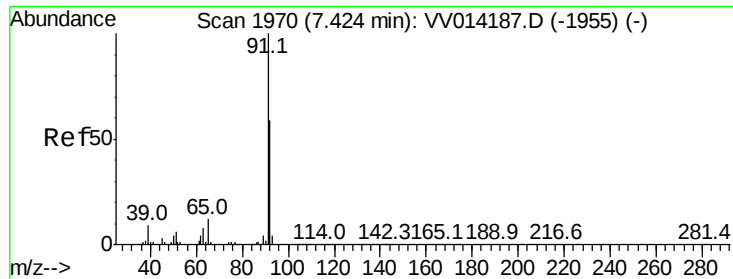


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 21.259 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014189.D

Acq: 27 Dec 2019 13:36

Instrument :

MSVOA_V

ClientSampleId :

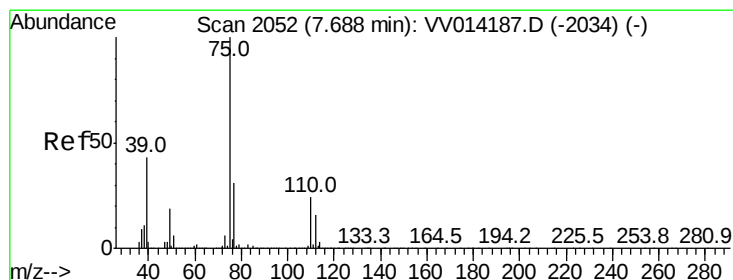
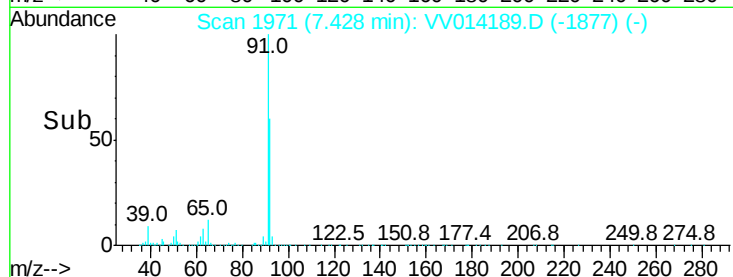
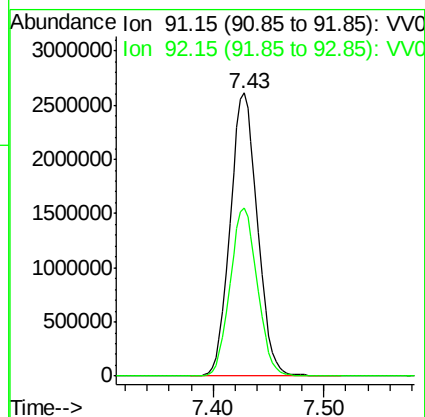
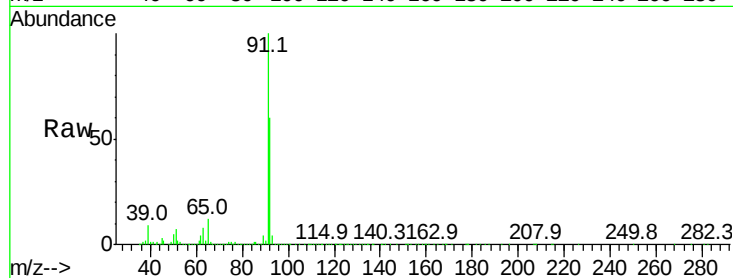
VSTD02032

Tgt Ion: 91 Resp: 4480952

Ion Ratio Lower Upper

91 100

92 59.6 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 24.553 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV014189.D

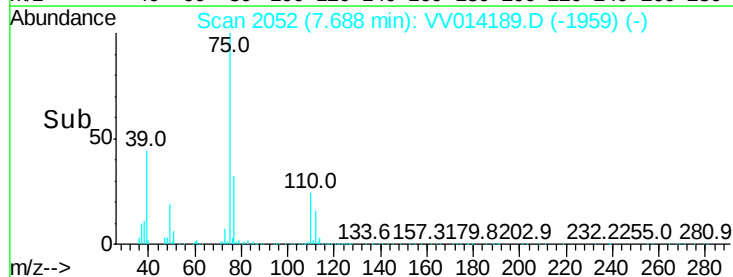
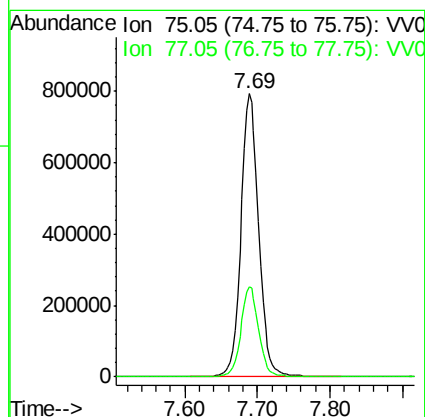
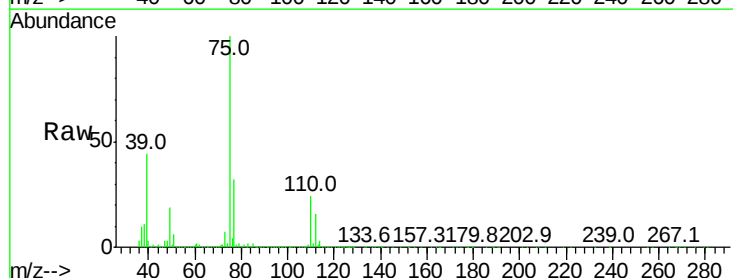
Acq: 27 Dec 2019 13:36

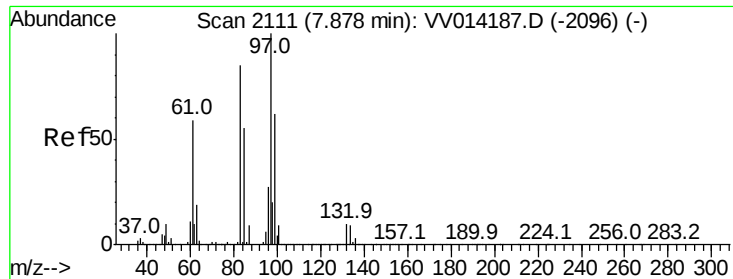
Tgt Ion: 75 Resp: 1352214

Ion Ratio Lower Upper

75 100

77 32.0 22.0 41.0

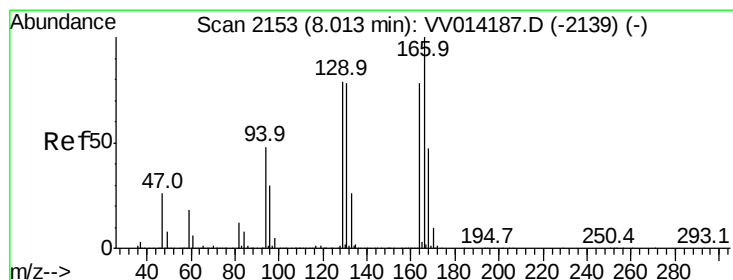
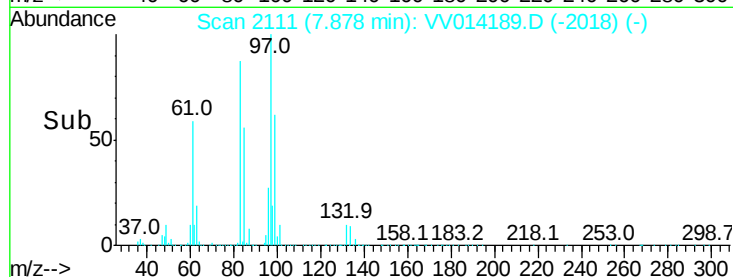
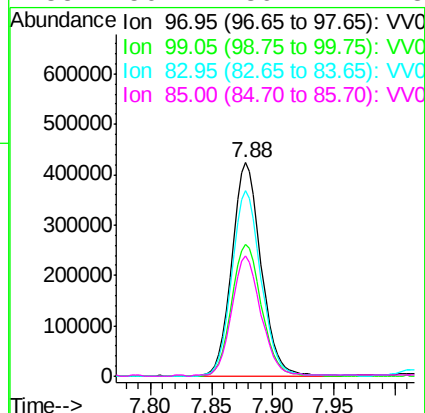
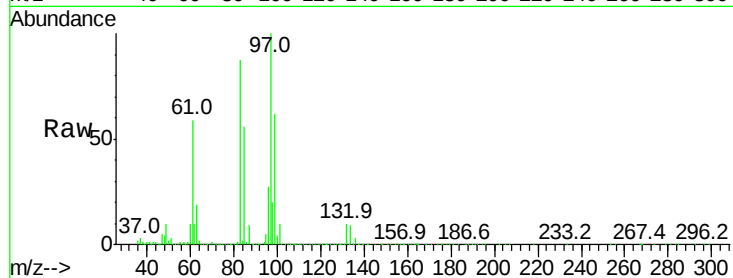




#45
 1,1,2-Trichloroethane
 Concen: 20.424 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VV014189.D
 Acq: 27 Dec 2019 13:36

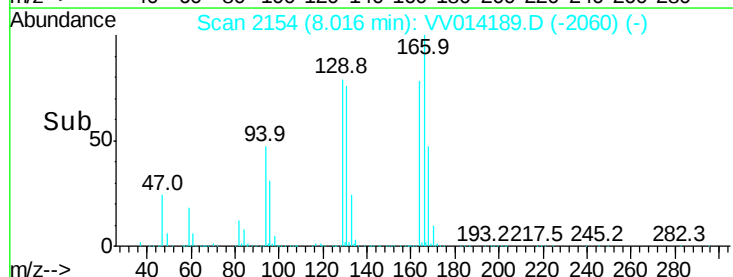
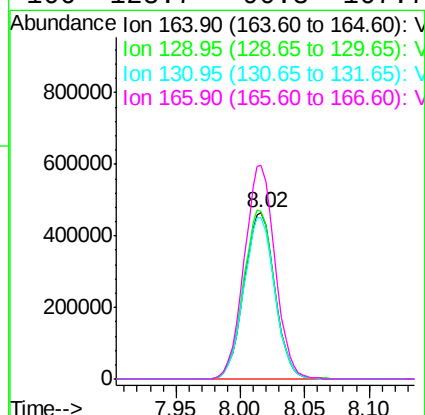
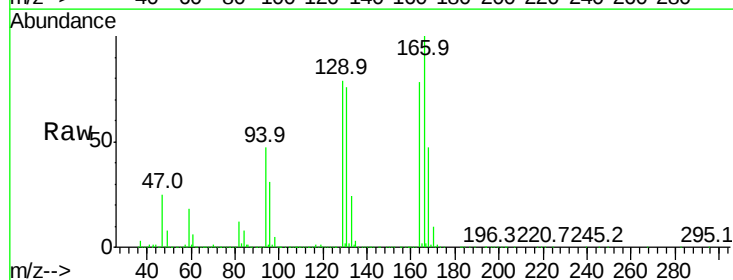
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02032

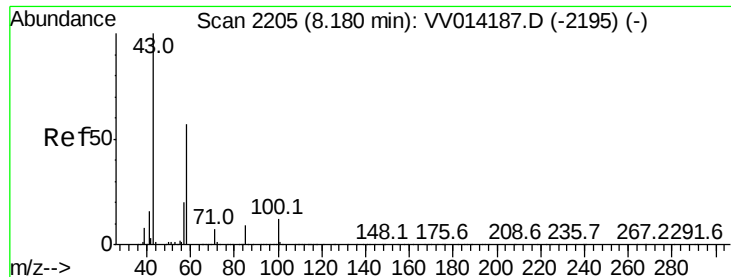
Tgt Ion:	97	Resp:	705491
Ion	Ratio	Lower	Upper
97	100		
99	61.7	43.7	81.1
83	86.8	60.0	111.4
85	56.1	39.2	72.8



#47
 Tetrachloroethene
 Concen: 16.150 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV014189.D
 Acq: 27 Dec 2019 13:36

Tgt Ion:	164	Resp:	772757
Ion	Ratio	Lower	Upper
164	100		
129	101.4	71.7	133.3
131	97.3	70.4	130.8
166	128.7	90.3	167.7



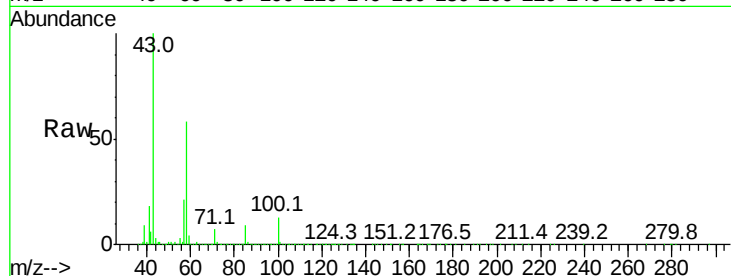


#48
2-Hexanone
Concen: 228.051 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VV014189.D
Acq: 27 Dec 2019 13:36

Instrument :
MSVOA_V
ClientSampleId :
VSTD02032

Tgt Ion: 43 Resp: 4513332

Ion	Ratio	Lower	Upper
43	100		
58	56.7	45.4	68.0
57	20.0	15.8	23.8
100	12.9	10.2	15.4

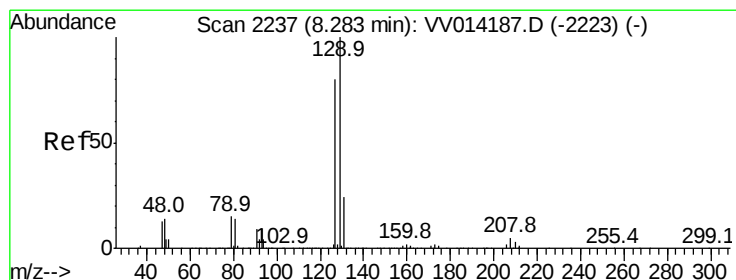
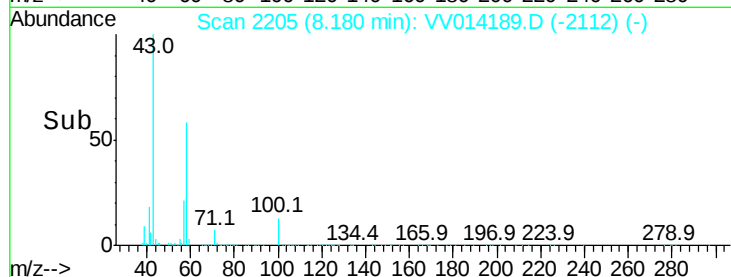
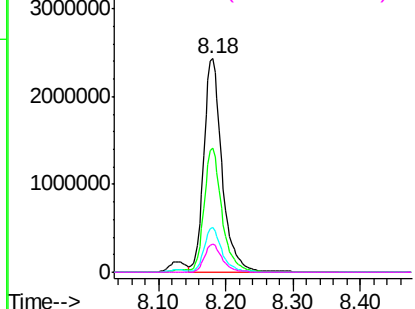


Abundance Ion 43.05 (42.75 to 43.75): VV014189.D (-2112) (-)

Ion 58.05 (57.75 to 58.75): VV014189.D (-2112) (-)

Ion 57.20 (56.90 to 57.90): VV014189.D (-2112) (-)

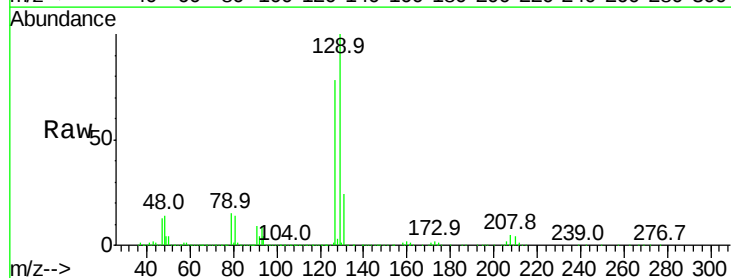
Ion 100.15 (99.85 to 100.85): VV014189.D (-2112) (-)



#49
Dibromochloromethane
Concen: 20.579 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014189.D
Acq: 27 Dec 2019 13:36

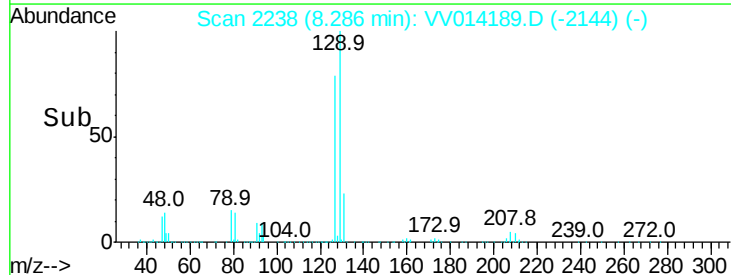
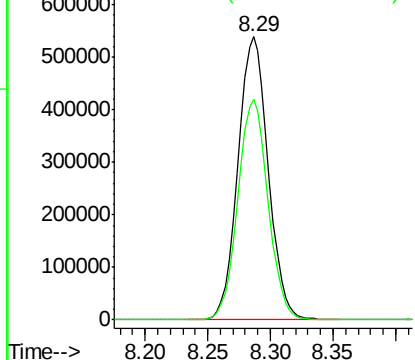
Tgt Ion: 129 Resp: 900311

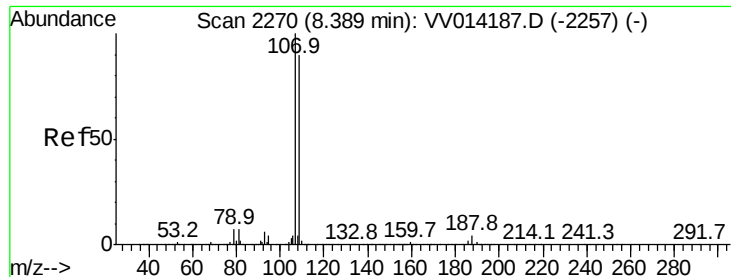
Ion	Ratio	Lower	Upper
129	100		
127	77.8	55.7	103.5



Abundance Ion 128.95 (128.65 to 129.65): VV014189.D (-2144) (-)

Ion 126.90 (126.60 to 127.60): VV014189.D (-2144) (-)

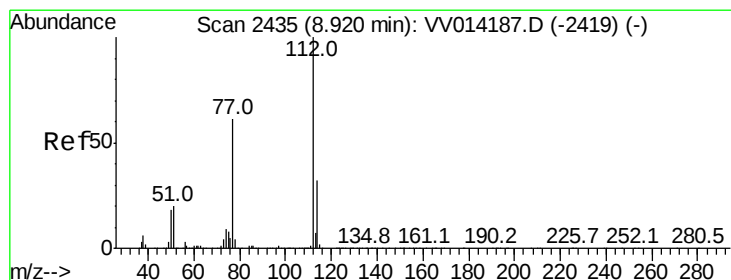
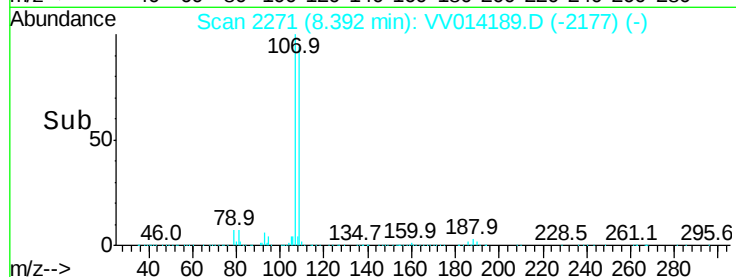
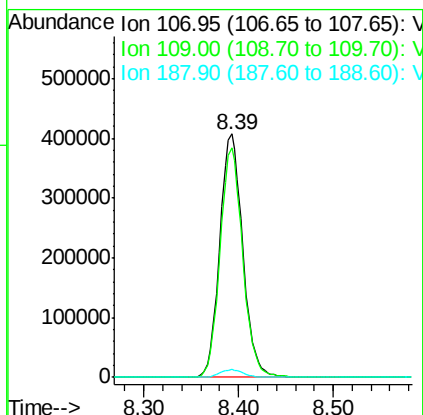
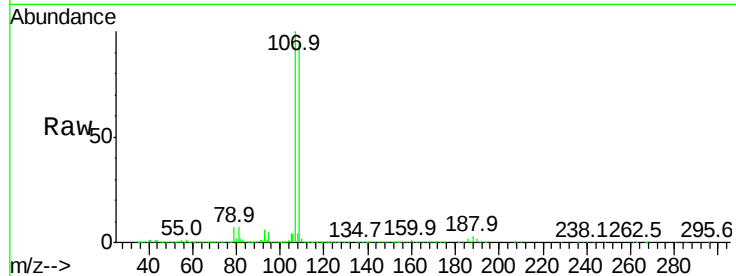




#50
1,2-Dibromoethane
Concen: 21.534 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV014189.D
Acq: 27 Dec 2019 13:36

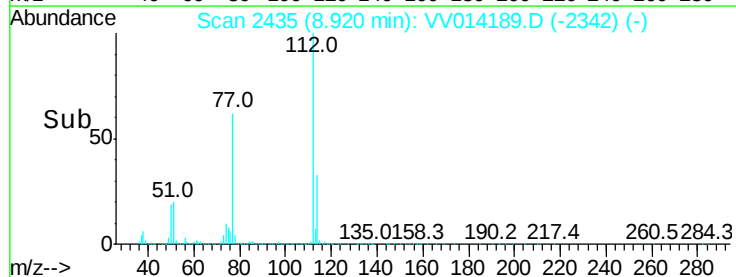
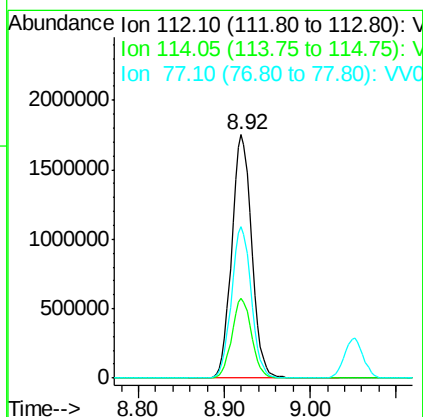
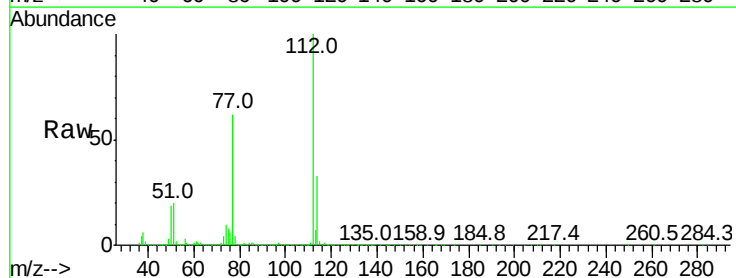
Instrument :
MSVOA_V
ClientSampleId :
VSTD02032

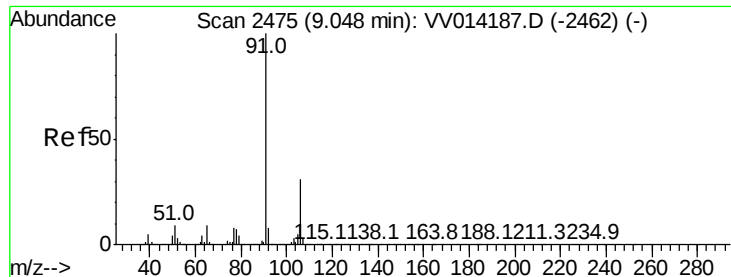
Tgt Ion:107 Resp: 683668
Ion Ratio Lower Upper
107 100
109 94.0 63.0 117.0
188 3.1 3.0 4.4



#51
Chlorobenzene
Concen: 20.487 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV014189.D
Acq: 27 Dec 2019 13:36

Tgt Ion:112 Resp: 2821605
Ion Ratio Lower Upper
112 100
114 32.8 22.5 41.7
77 62.1 49.3 73.9





#52

Ethylbenzene

Concen: 22.998 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014189.D

Acq: 27 Dec 2019 13:36

Instrument :

MSVOA_V

ClientSampleId :

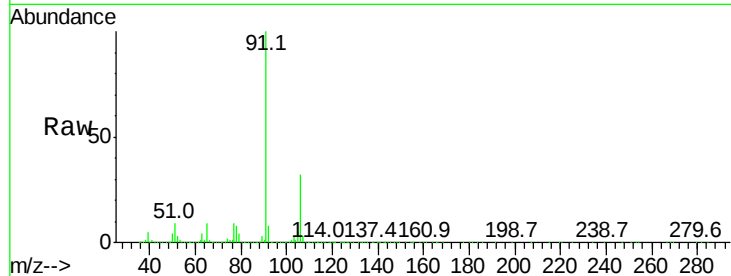
VSTD02032

Tgt Ion: 91 Resp: 5049307

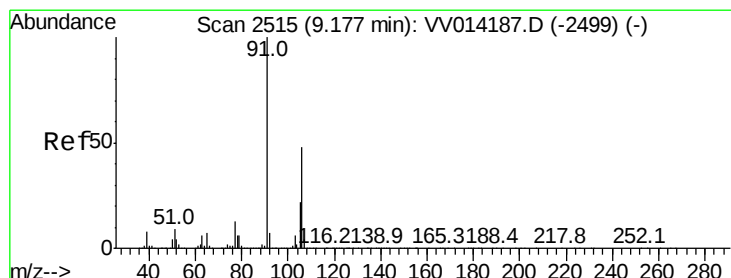
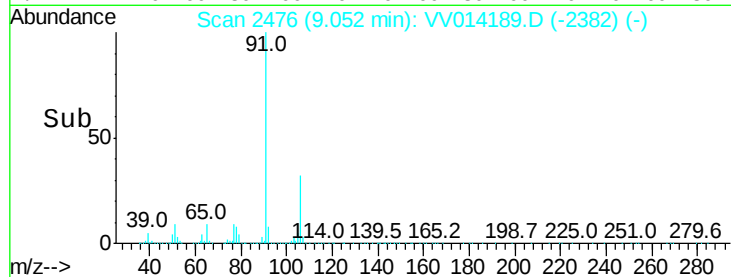
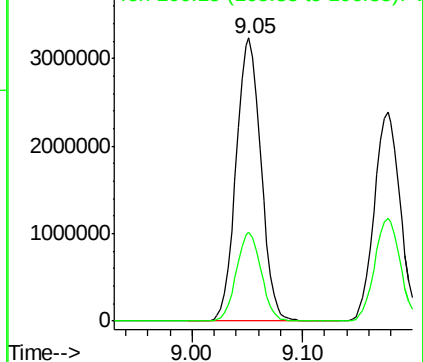
Ion Ratio Lower Upper

91 100

106 31.6 21.6 40.0



Abundance Ion 91.15 (90.85 to 91.85): VV014189.D (-2476) (-)



#53

m,p-xylene

Concen: 22.521 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014189.D

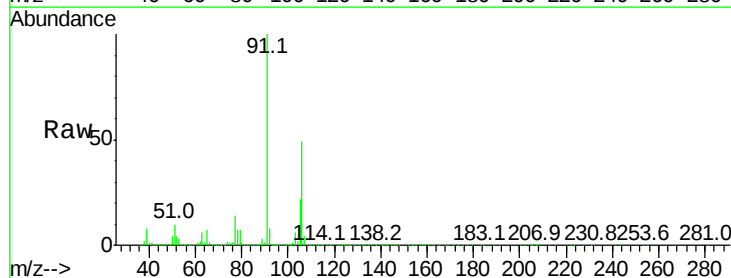
Acq: 27 Dec 2019 13:36

Tgt Ion: 106 Resp: 1911036

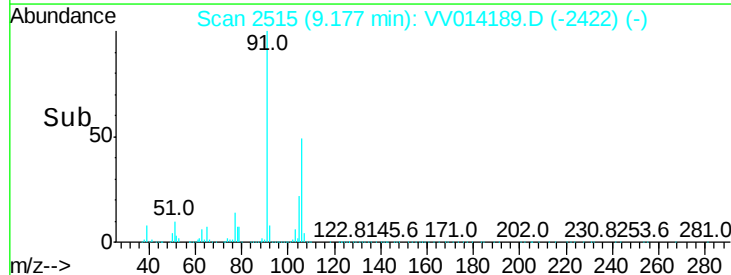
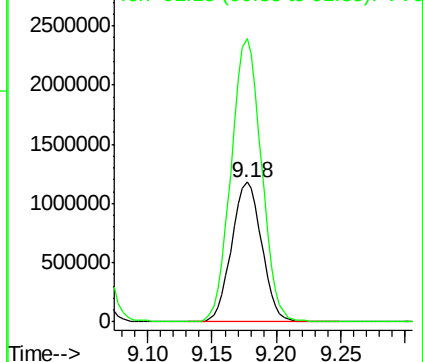
Ion Ratio Lower Upper

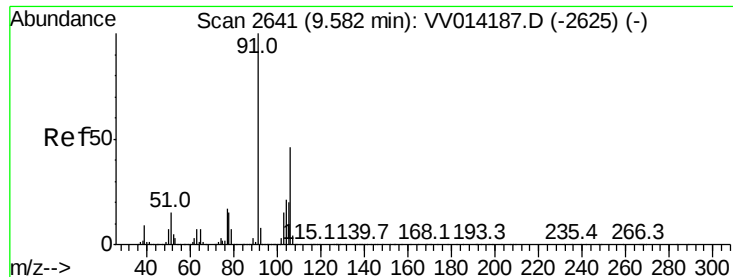
106 100

91 203.0 146.8 272.6



Abundance Ion 106.15 (105.85 to 106.85): VV014189.D (-2515) (-)





#54

o-xylene

Concen: 23.471 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014189.D

Acq: 27 Dec 2019 13:36

Instrument :

MSVOA_V

ClientSampleId :

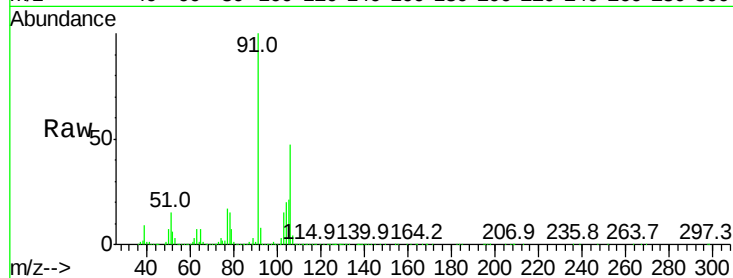
VSTD02032

Tgt Ion:106 Resp: 1872904

Ion Ratio Lower Upper

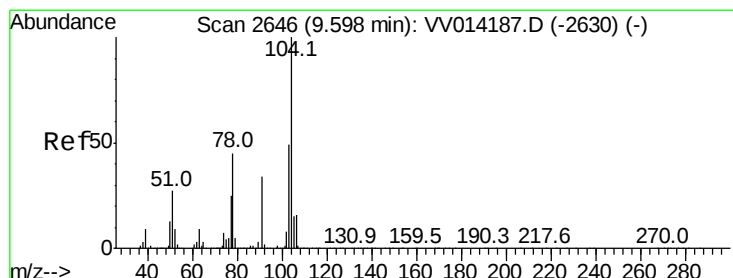
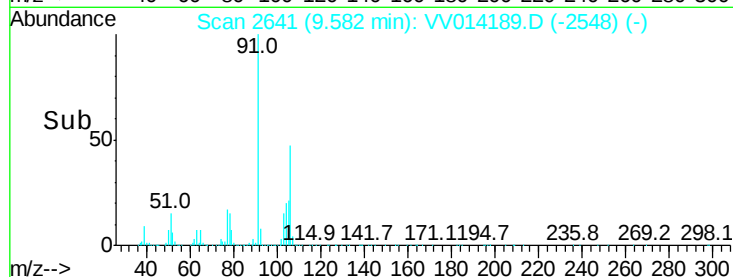
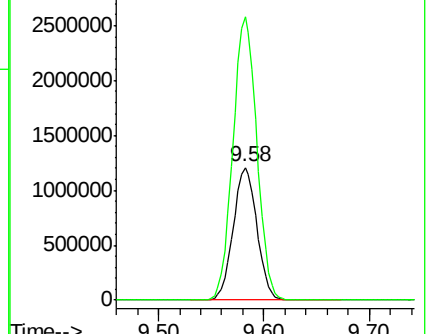
106 100

91 213.1 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 23.024 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV014189.D

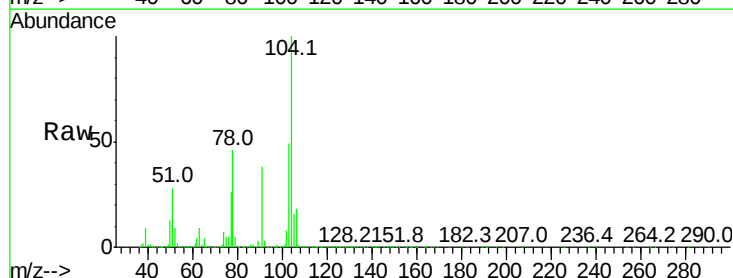
Acq: 27 Dec 2019 13:36

Tgt Ion:104 Resp: 3171564

Ion Ratio Lower Upper

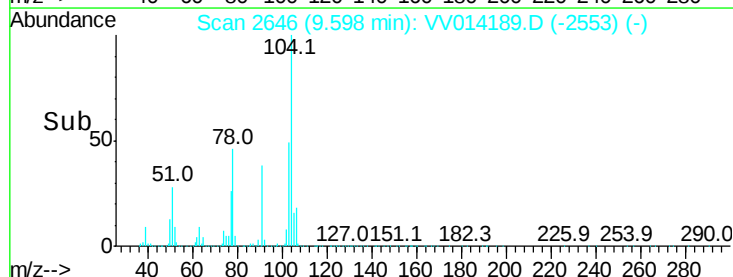
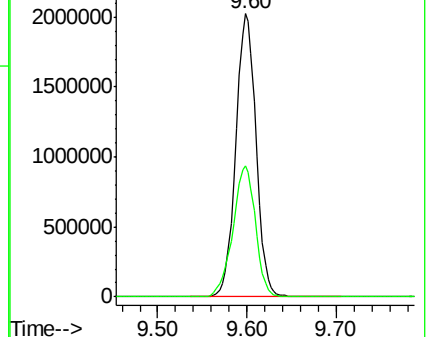
104 100

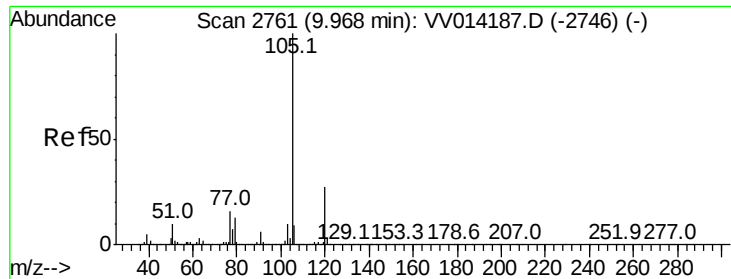
78 46.4 31.7 58.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 23.010 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014189.D

Acq: 27 Dec 2019 13:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD02032

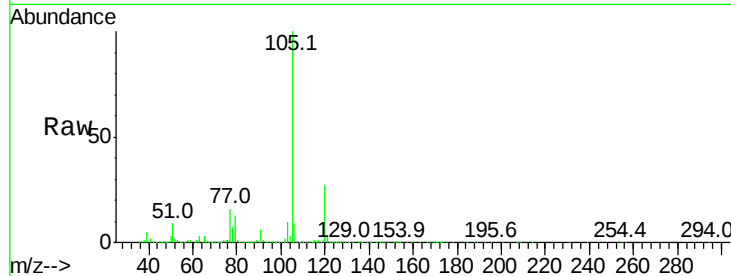
Tgt Ion:105 Resp: 4852976

Ion Ratio Lower Upper

105 100

120 26.7 21.0 31.4

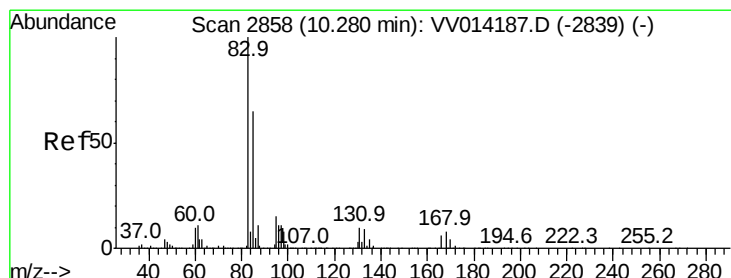
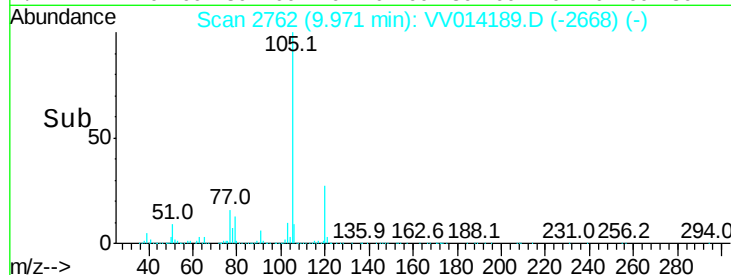
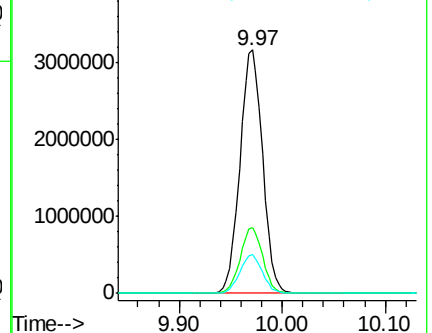
77 15.8 12.5 18.7



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: 20.669 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014189.D

Acq: 27 Dec 2019 13:36

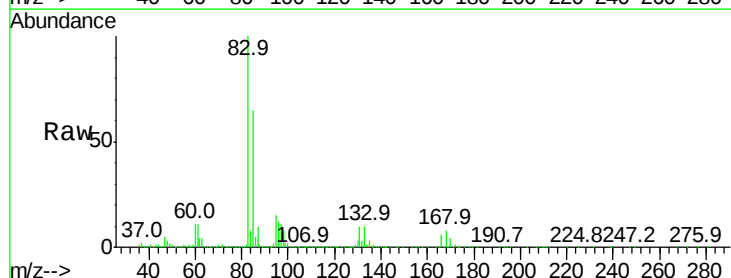
Tgt Ion: 83 Resp: 836331

Ion Ratio Lower Upper

83 100

85 65.2 45.9 85.3

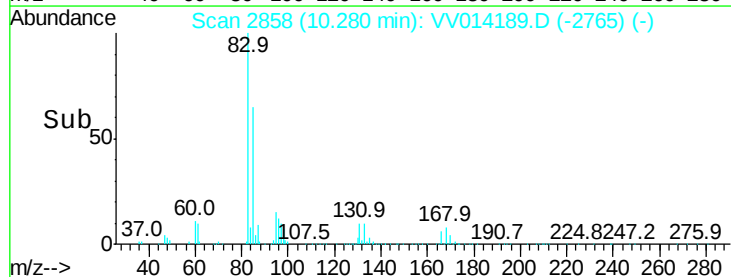
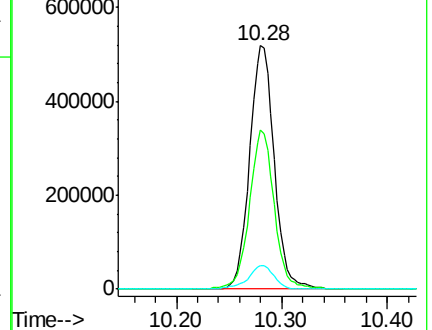
131 9.7 7.8 11.8

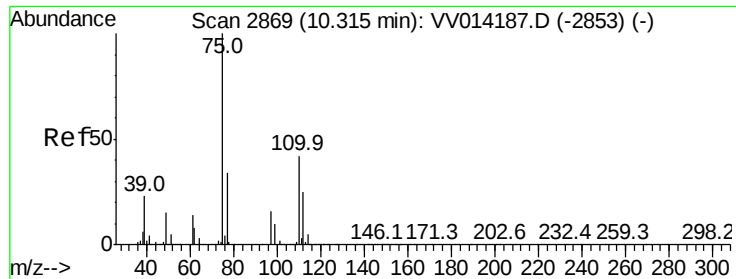


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 21.222 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV014189.D

Acq: 27 Dec 2019 13:36

Instrument :

MSVOA_V

ClientSampleId :

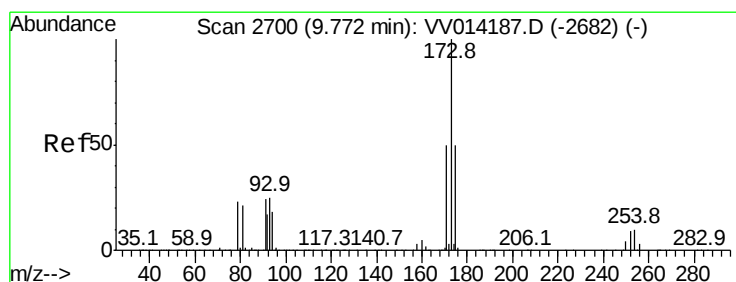
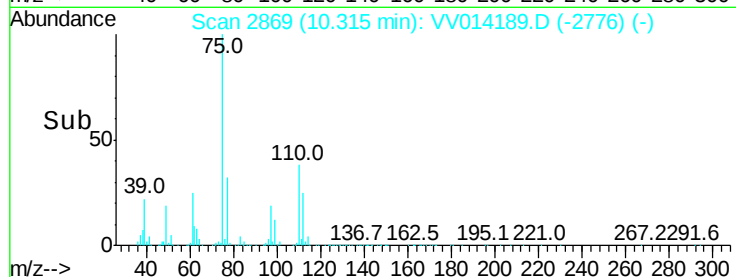
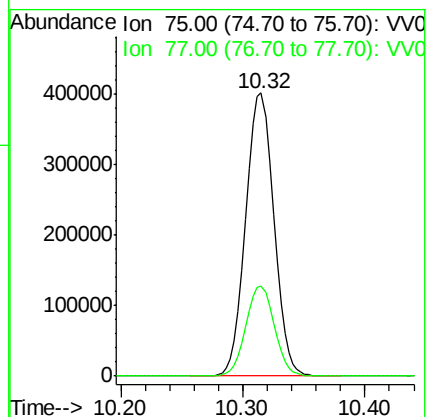
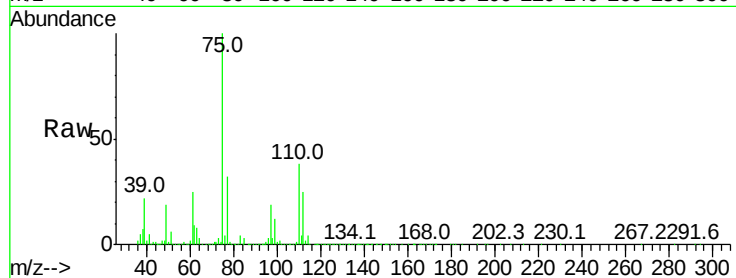
VSTD02032

Tgt Ion: 75 Resp: 636743

Ion Ratio Lower Upper

75 100

77 31.7 25.7 38.5



#61

Bromoform

Concen: 20.132 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV014189.D

Acq: 27 Dec 2019 13:36

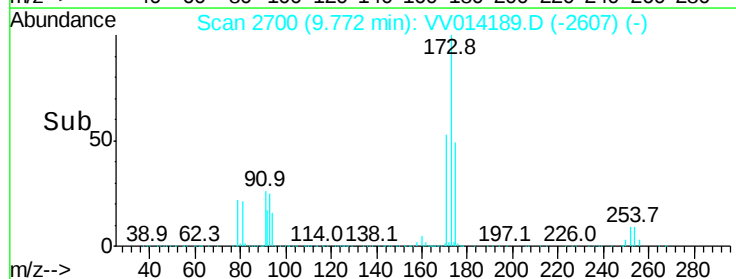
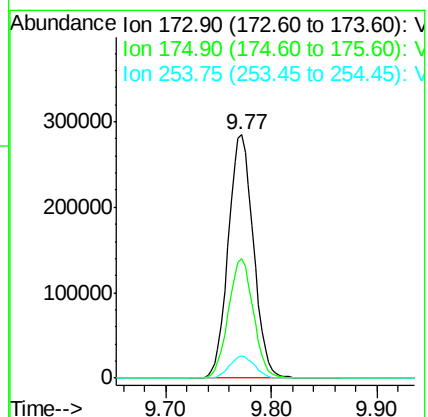
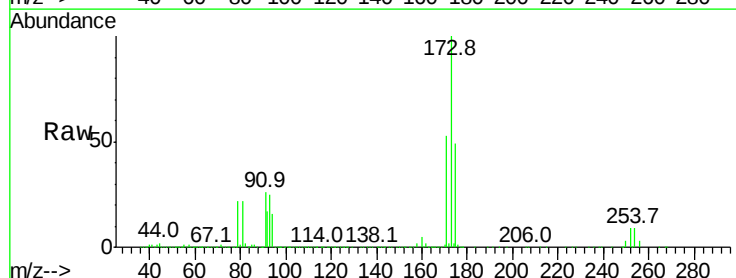
Tgt Ion: 173 Resp: 469408

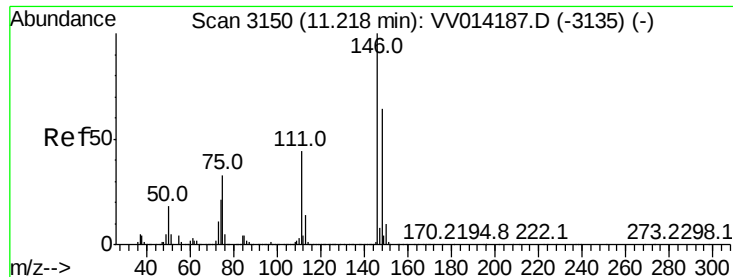
Ion Ratio Lower Upper

173 100

175 48.9 37.9 56.9

254 9.0 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 21.495 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. 0.00 min

Lab File: VV014189.D

Acq: 27 Dec 2019 13:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD02032

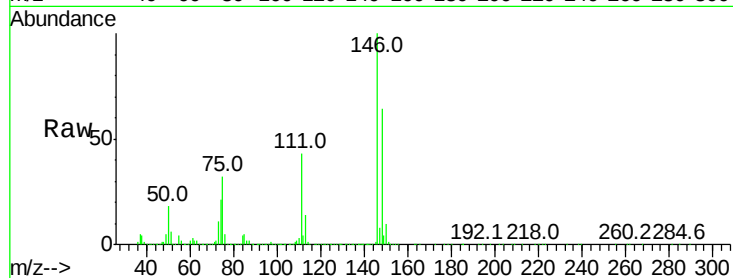
Tgt Ion:146 Resp: 2121861

Ion Ratio Lower Upper

146 100

111 43.3 30.7 57.1

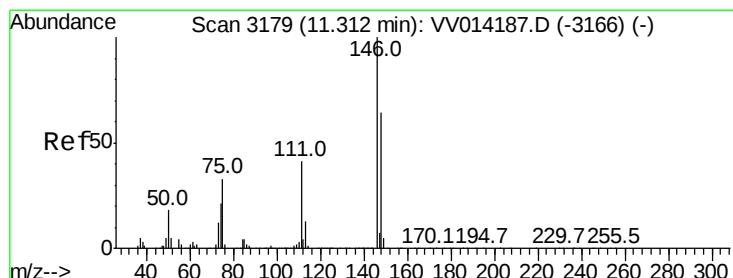
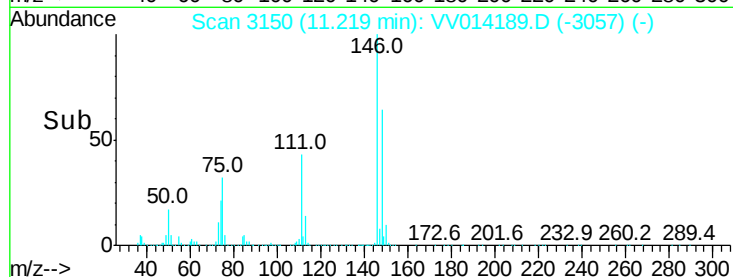
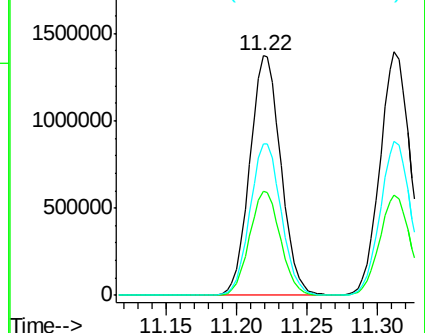
148 63.6 44.4 82.5



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



#63

1,4-Dichlorobenzene

Concen: 21.091 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV014189.D

Acq: 27 Dec 2019 13:36

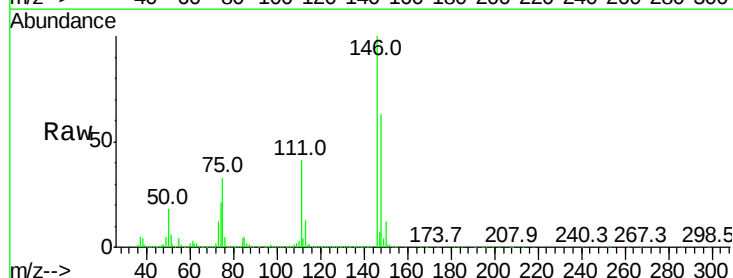
Tgt Ion:146 Resp: 2108368

Ion Ratio Lower Upper

146 100

111 41.1 28.8 53.4

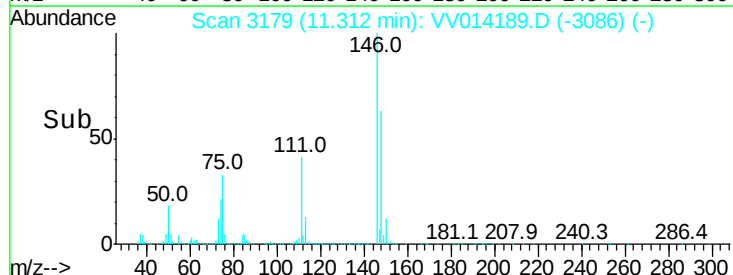
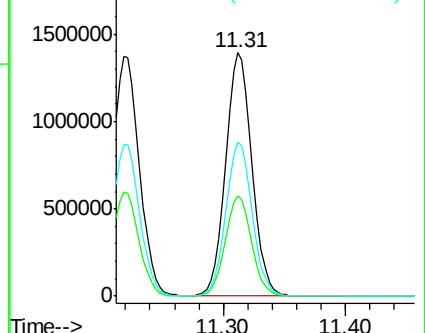
148 63.0 44.5 82.7

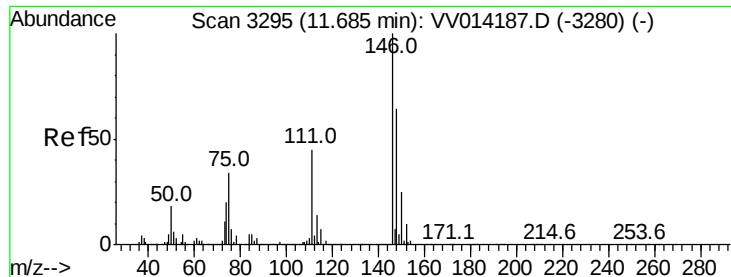


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

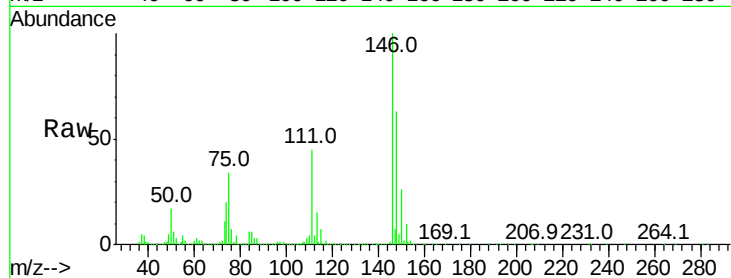




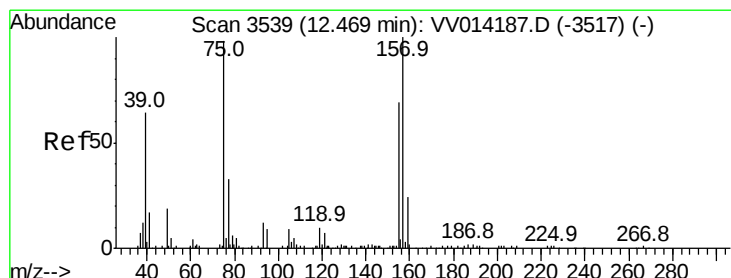
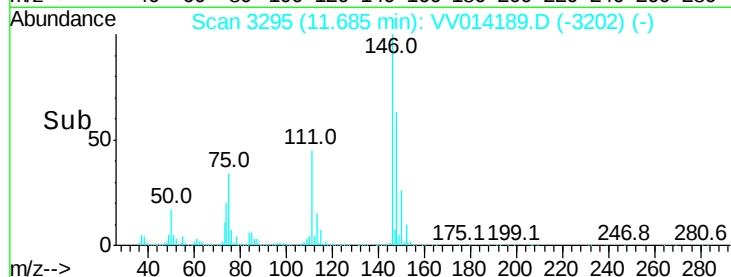
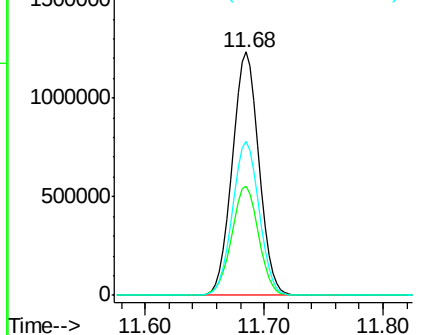
#65
 1,2-Dichlorobenzene
 Concen: 20.782 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014189.D
 Acq: 27 Dec 2019 13:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02032

Tgt Ion:146 Resp: 1910153
 Ion Ratio Lower Upper
 146 100
 111 44.8 36.4 54.6
 148 63.2 51.3 76.9

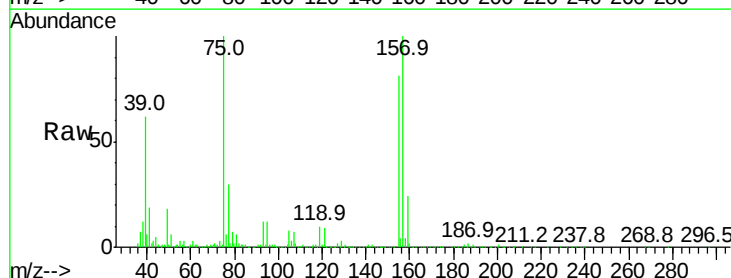


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

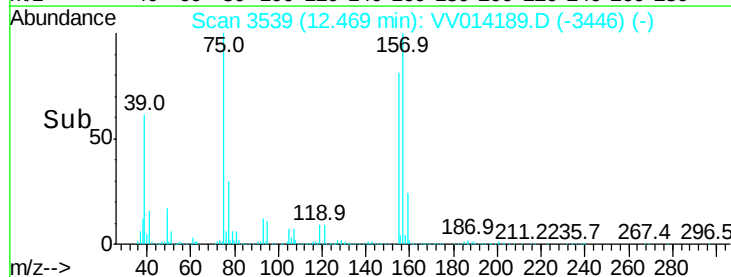
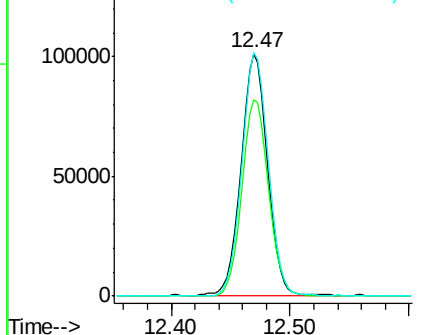


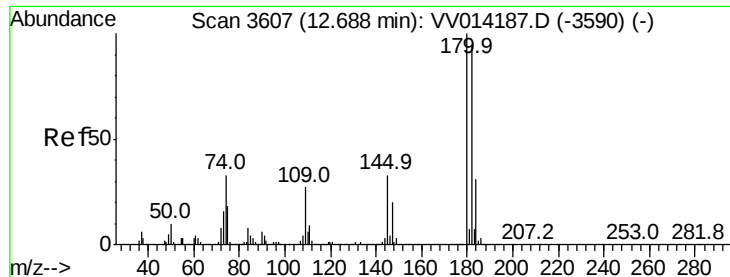
#66
 1,2-Dibromo-3-chloropropane
 Concen: 27.615 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VV014189.D
 Acq: 27 Dec 2019 13:36

Tgt Ion: 75 Resp: 155639
 Ion Ratio Lower Upper
 75 100
 155 81.0 56.9 85.3
 157 100.4 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

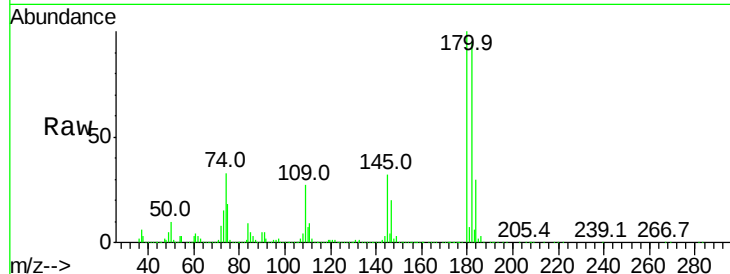




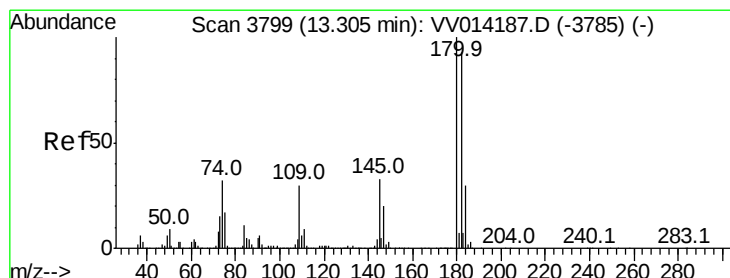
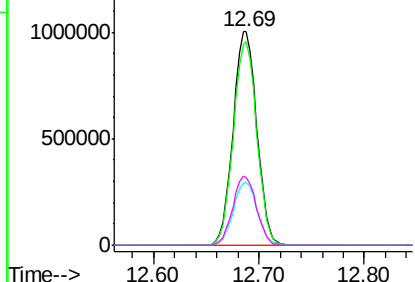
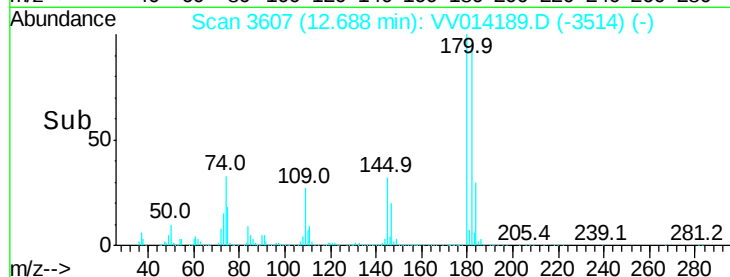
#67
 1,3,5-Trichlorobenzene
 Concen: 19.166 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014189.D
 Acq: 27 Dec 2019 13:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02032

Tgt Ion:180 Resp: 1555843
 Ion Ratio Lower Upper
 180 100
 182 94.2 77.2 115.8
 184 29.8 24.6 36.8
 145 32.2 26.9 40.3

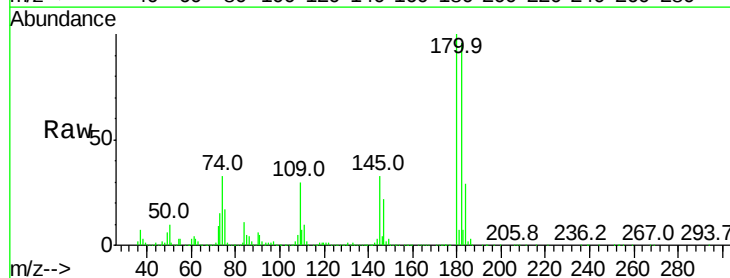


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

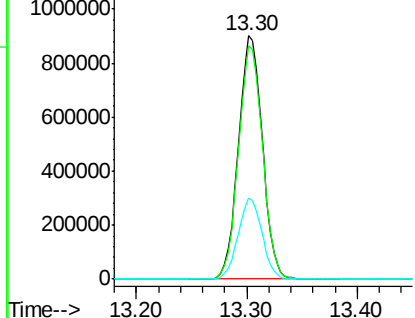
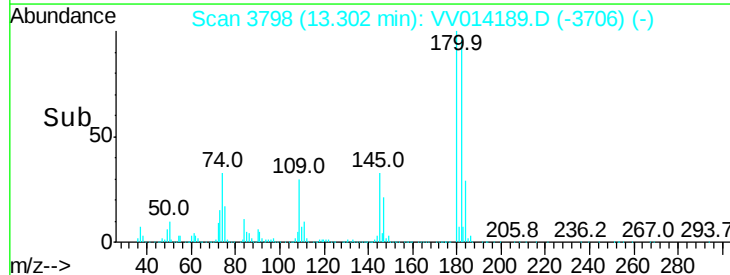


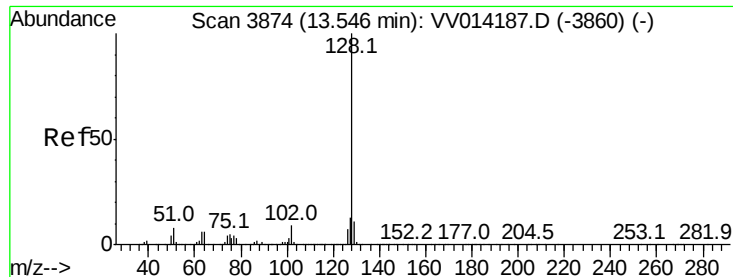
#68
 1,2,4-trichlorobenzene
 Concen: 20.473 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. -0.00 min
 Lab File: VV014189.D
 Acq: 27 Dec 2019 13:36

Tgt Ion:180 Resp: 1355555
 Ion Ratio Lower Upper
 180 100
 182 96.3 75.2 112.8
 145 33.1 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: 29.996 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. -0.00 min

Lab File: VV014189.D

Acq: 27 Dec 2019 13:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD02032

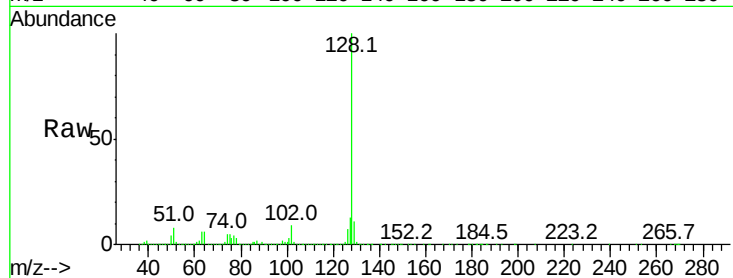
Tgt Ion:128 Resp: 2606533

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

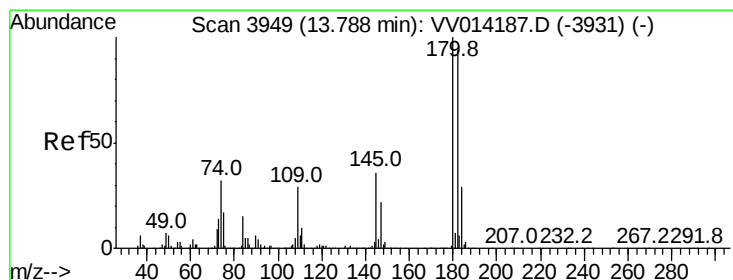
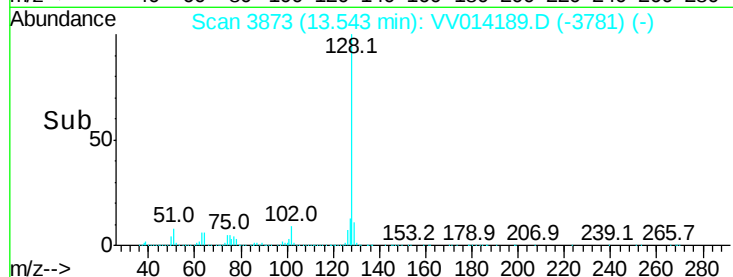
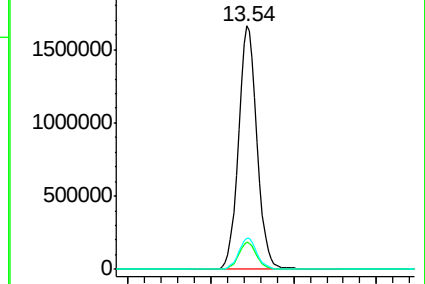
127 12.8 10.2 15.2



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: 19.718 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV014189.D

Acq: 27 Dec 2019 13:36

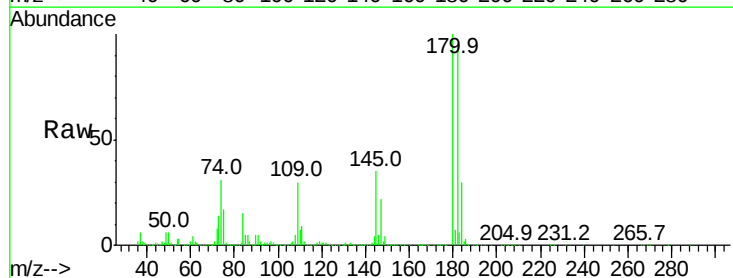
Tgt Ion:180 Resp: 1204406

Ion Ratio Lower Upper

180 100

182 95.1 74.8 112.2

145 35.4 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

