

Data File : VV014158.D
Acq On : 23 Dec 2019 12:42
Operator : SY/MD
Sample : VSTD020
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02031

Quant Time: Dec 23 13:02:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR122319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Dec 23 12:16:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	395476	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	384729	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	214939	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	551147	22.51	ug/L	0.00
7) Chloroethane-d5	1.58	69	450142	21.65	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	938951	22.79	ug/L	0.00
20) 2-Butanone-d5	3.94	46	1293421	254.19	ug/L	0.00
24) Chloroform-d	4.39	84	1092716	22.14	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.07	65	534948	22.78	ug/L	0.00
32) Benzene-d6	5.09	84	2209529	22.26	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	657084	22.21	ug/L	0.00
41) Toluene-d8	7.35	98	2000011	21.47	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	256712	22.30	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	1190410	280.31	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.25	84	495186	24.14	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	796466	20.99	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	640864	24.331 ug/L	99
3) Chloromethane	1.25	50	644562	27.866 ug/L	100
5) Vinyl chloride	1.32	62	619176	26.207 ug/L	98
6) Bromomethane	1.53	94	353188	28.390 ug/L	99
8) Chloroethane	1.60	64	354341	24.889 ug/L	98
9) Trichlorofluoromethane	1.77	101	813279	22.169 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	457638	20.993 ug/L	99
12) 1,1-Dichloroethene	2.13	96	454025	23.878 ug/L	90
13) Acetone	2.21	43	789781	221.951 ug/L	97
14) Carbon disulfide	2.31	76	1622565	36.964 ug/L	99
15) Methyl Acetate	2.46	43	266641	33.472 ug/L	93
16) Methylene chloride	2.53	84	554400	21.286 ug/L	97
17) Methyl tert-butyl Ether	2.80	73	1296211	24.909 ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	566089	26.364 ug/L	98
19) 1,1-Dichloroethane	3.22	63	1043660	24.348 ug/L	99
21) 2-Butanone	4.02	43	1421248	264.241 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	612892	24.342 ug/L	# 98
23) Bromochloromethane	4.29	128	272323	24.613 ug/L	99
25) Chloroform	4.42	83	1060918	23.347 ug/L	100
27) 1,2-Dichloroethane	5.17	62	637308	24.505 ug/L	97
29) 1,1,1-Trichloroethane	4.65	97	911913	23.171 ug/L	100
30) Cyclohexane	4.72	56	986931	30.016 ug/L	99
31) Carbon tetrachloride	4.87	117	831118	24.003 ug/L	99
33) Benzene	5.14	78	2316296	24.545 ug/L	100
34) Trichloroethene	5.96	95	615125	23.628 ug/L	96
35) Methylcyclohexane	6.17	83	987399	28.425 ug/L	98
37) 1,2-Dichloropropane	6.22	63	575904	23.743 ug/L	99
38) Bromodichloromethane	6.55	83	735068	22.968 ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	871259	25.315 ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	3502232	247.466 ug/L	98

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Quant Title : TRACE VOA SOM01.0
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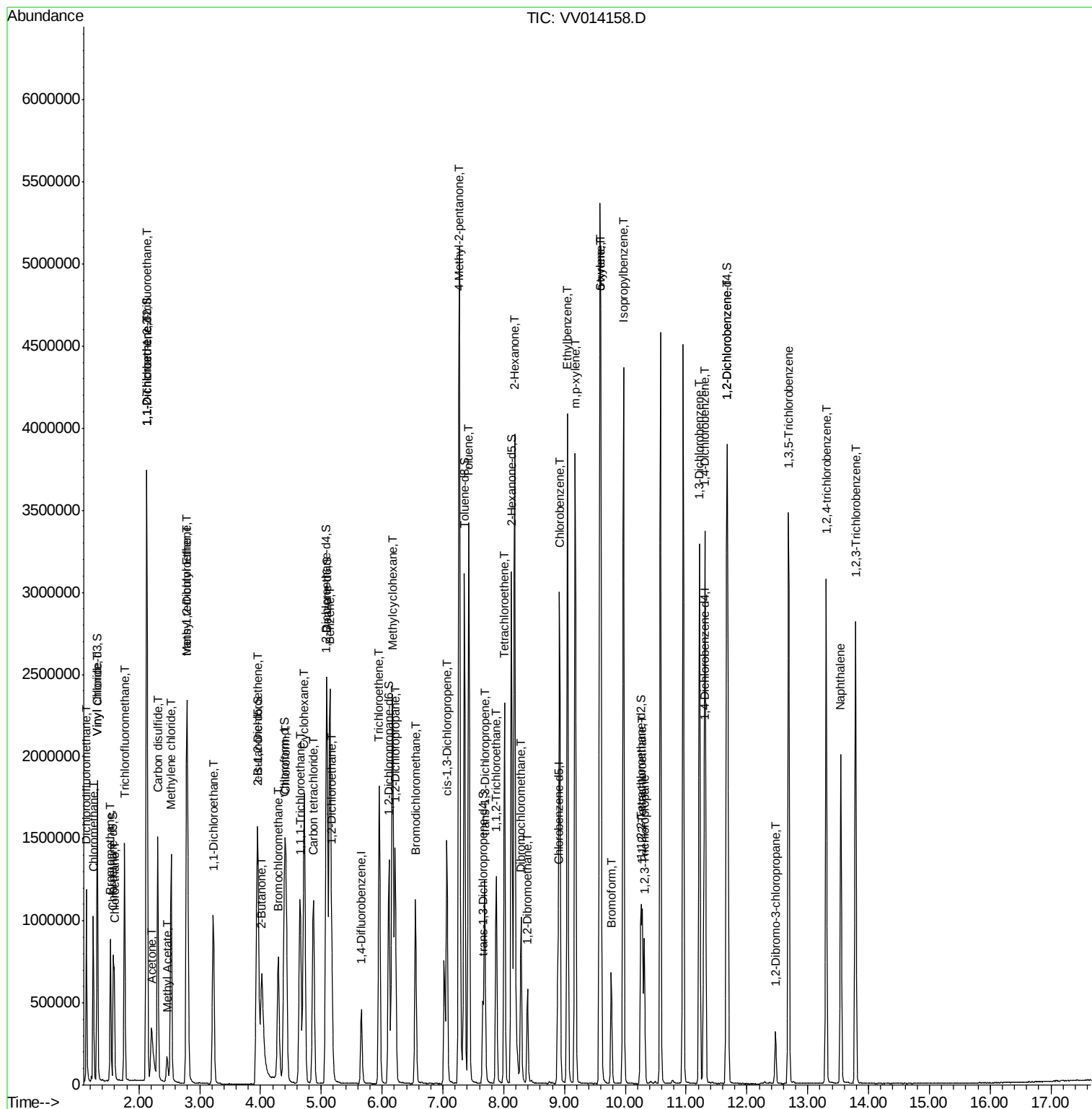
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.42	91	2432684	24.031	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	668976	24.833	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	396593	22.943	ug/L	98
47) Tetrachloroethene	8.01	164	539469	23.864	ug/L	98
48) 2-Hexanone	8.18	43	2629527	260.305	ug/L	97
49) Dibromochloromethane	8.29	129	514460	23.206	ug/L	98
50) 1,2-Dibromoethane	8.39	107	378441	24.176	ug/L	96
51) Chlorobenzene	8.92	112	1585172	22.506	ug/L	100
52) Ethylbenzene	9.05	91	2790109	25.373	ug/L	99
53) m,p-xylene	9.18	106	1076816	25.686	ug/L	100
54) o-xylene	9.58	106	1034784	25.284	ug/L	97
55) Styrene	9.60	104	1792057	25.360	ug/L	100
56) Isopropylbenzene	9.97	105	2768020	24.818	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	475635	25.043	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	354471	23.808	ug/L	98
61) Bromoform	9.77	173	314750	23.268	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	1368517	21.916	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	1358755	21.380	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	1256613	21.684	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	75472	22.410	ug/L	91
67) 1,3,5-Trichlorobenzene	12.68	180	1112546	21.094	ug/L	99
68) 1,2,4-trichlorobenzene	13.30	180	976327	22.571	ug/L	99
69) Naphthalene	13.54	128	1537487	26.104	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	912649	23.160	ug/L	99

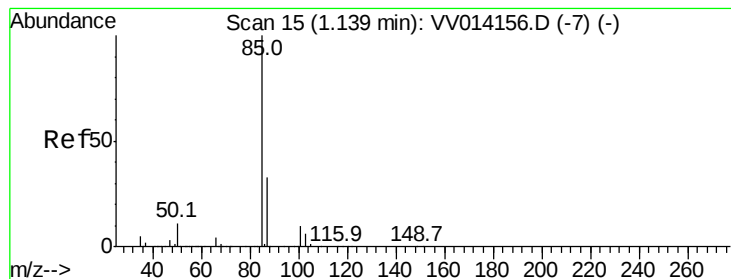
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.331 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV014158.D

Acq: 23 Dec 2019 12:42

Instrument :

MSVOA_V

ClientSampleId :

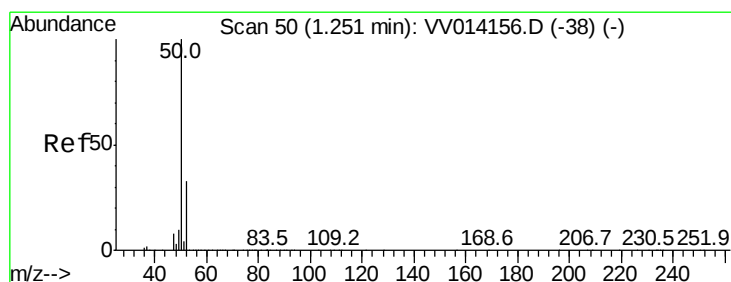
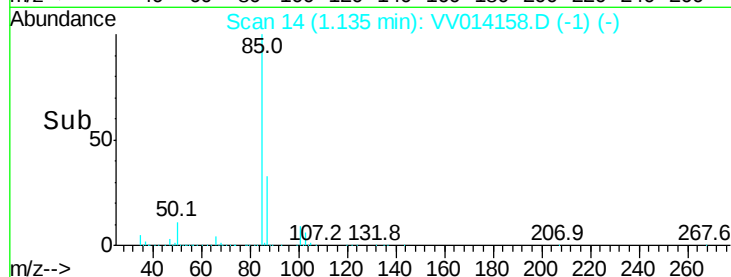
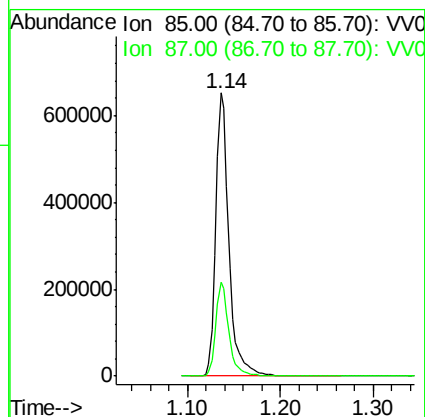
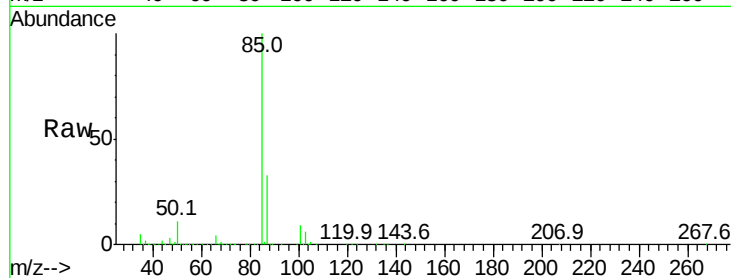
VSTD02031

Tgt Ion: 85 Resp: 640864

Ion Ratio Lower Upper

85 100

87 33.1 26.2 39.2



#3

Chloromethane

Concen: 27.866 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV014158.D

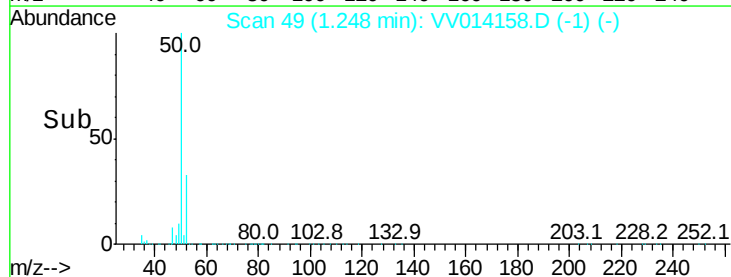
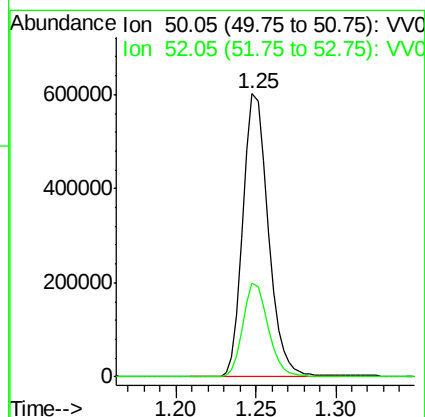
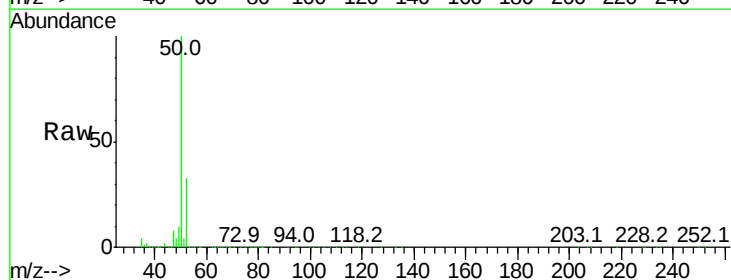
Acq: 23 Dec 2019 12:42

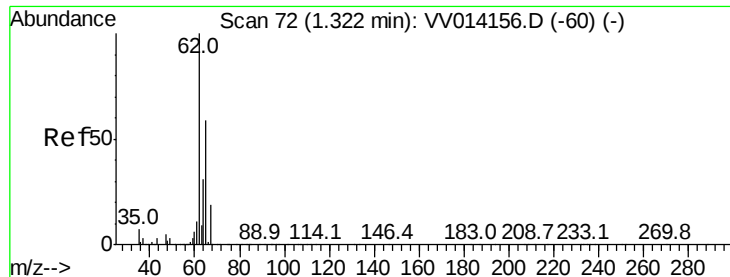
Tgt Ion: 50 Resp: 644562

Ion Ratio Lower Upper

50 100

52 33.0 22.9 42.5





#5

Vinyl chloride

Concen: 26.207 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV014158.D

Acq: 23 Dec 2019 12:42

Instrument :

MSVOA_V

ClientSampleId :

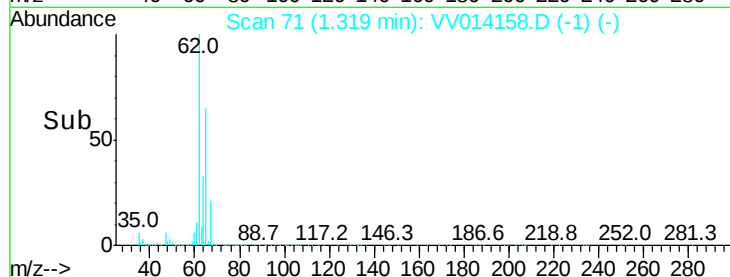
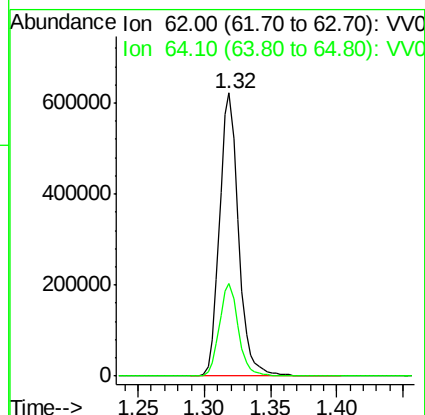
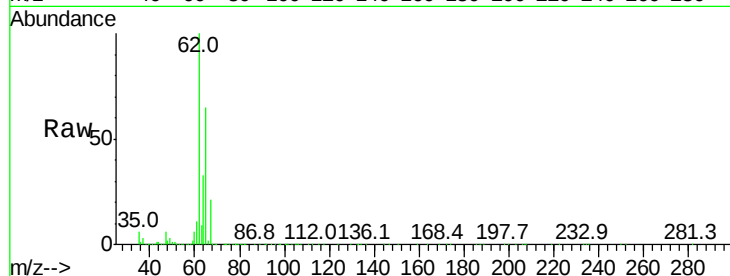
VSTD02031

Tgt Ion: 62 Resp: 619176

Ion Ratio Lower Upper

62 100

64 32.8 22.0 40.8



#6

Bromomethane

Concen: 28.390 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV014158.D

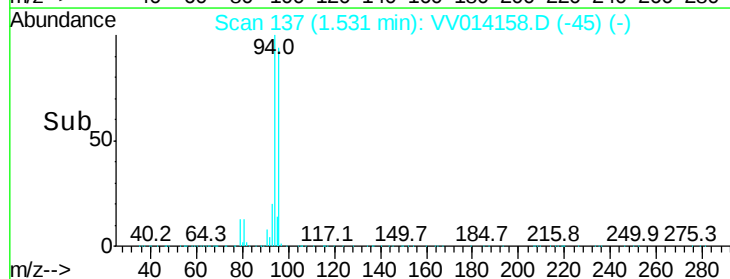
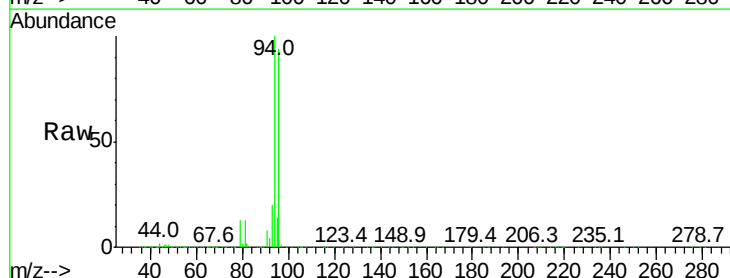
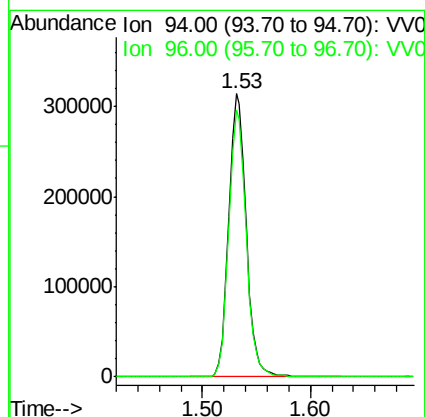
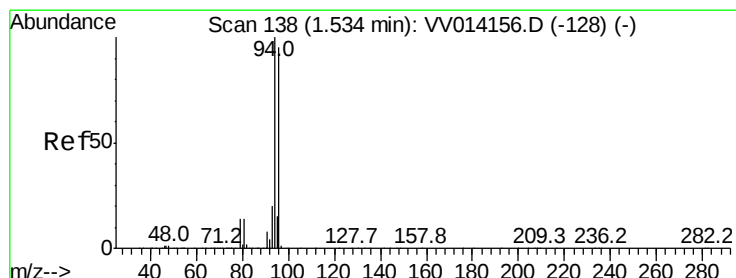
Acq: 23 Dec 2019 12:42

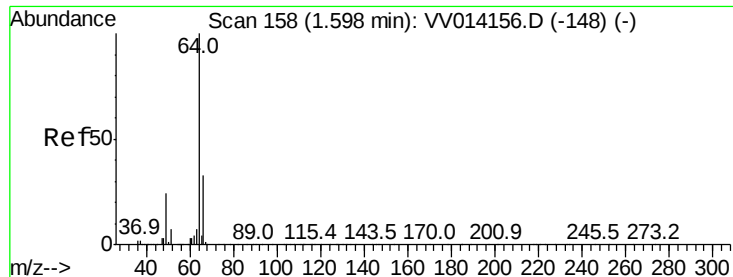
Tgt Ion: 94 Resp: 353188

Ion Ratio Lower Upper

94 100

96 94.3 66.4 123.4





#8

Chloroethane

Concen: 24.889 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV014158.D

Acq: 23 Dec 2019 12:42

Instrument :

MSVOA_V

ClientSampleId :

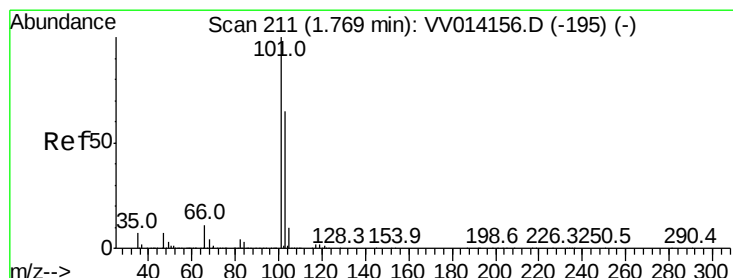
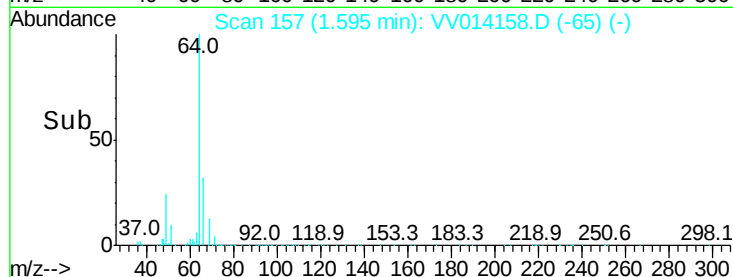
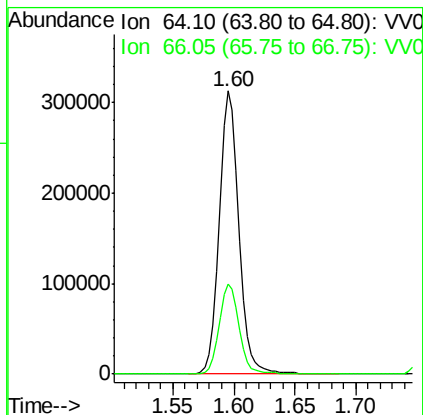
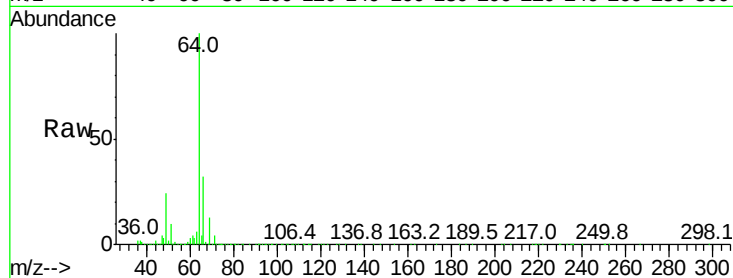
VSTD02031

Tgt Ion: 64 Resp: 354341

Ion Ratio Lower Upper

64 100

66 32.1 23.1 42.9



#9

Trichlorofluoromethane

Concen: 22.169 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV014158.D

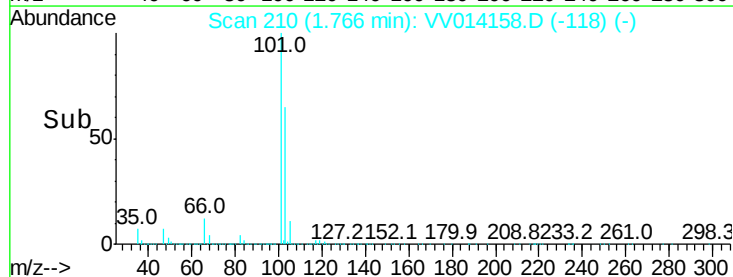
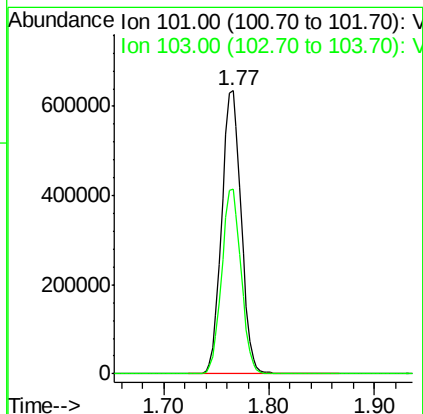
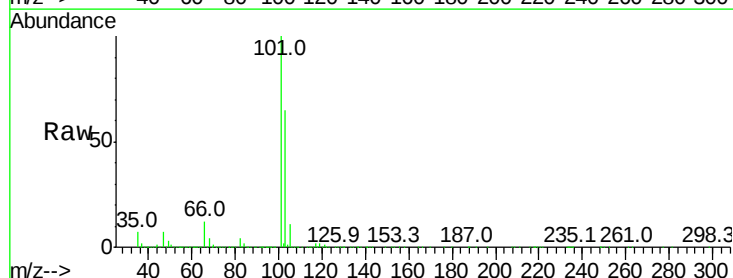
Acq: 23 Dec 2019 12:42

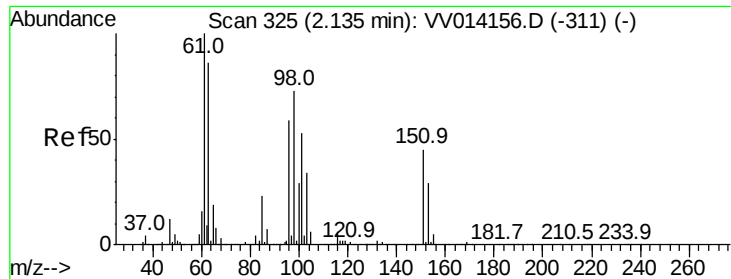
Tgt Ion: 101 Resp: 813279

Ion Ratio Lower Upper

101 100

103 64.9 51.8 77.8





#10

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

Concen: 20.993 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV014158.D

Acq: 23 Dec 2019 12:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD02031

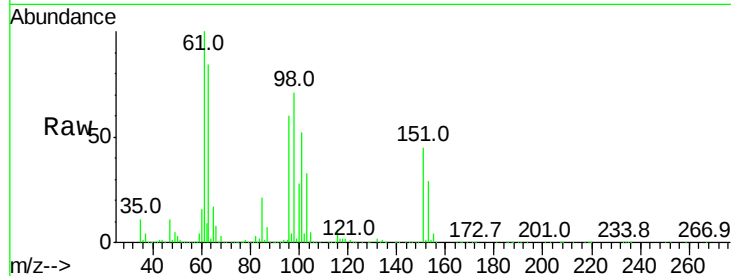
Tgt Ion: 101 Resp: 457638

Ion Ratio Lower Upper

101 100

85 41.3 34.7 52.1

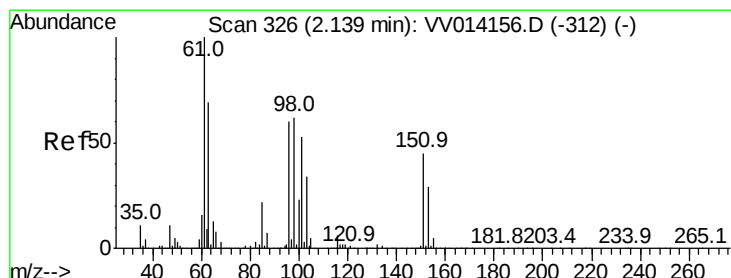
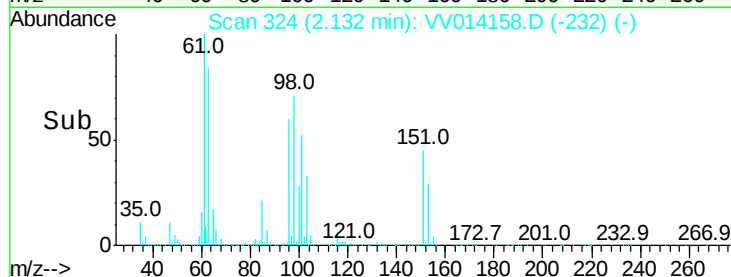
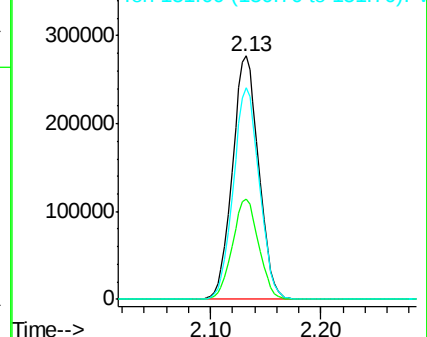
151 86.1 69.1 103.7



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: 23.878 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV014158.D

Acq: 23 Dec 2019 12:42

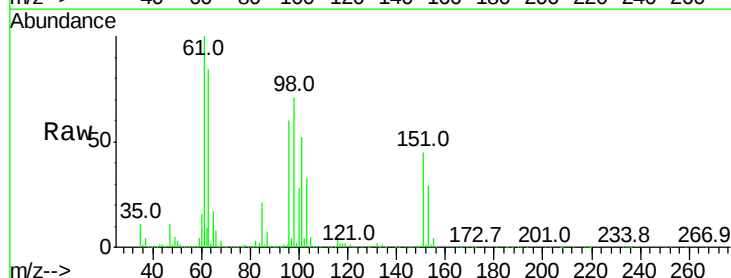
Tgt Ion: 96 Resp: 454025

Ion Ratio Lower Upper

96 100

61 166.7 115.8 215.2

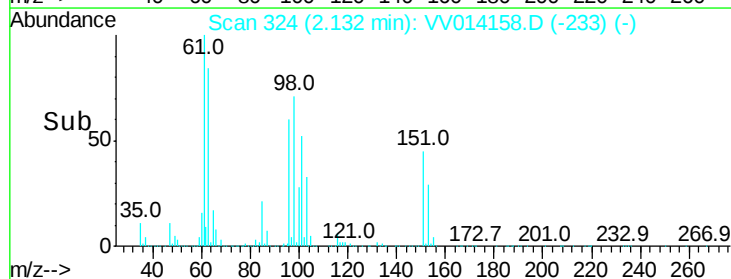
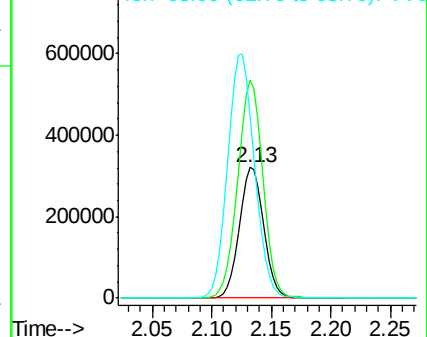
63 139.8 79.9 148.3

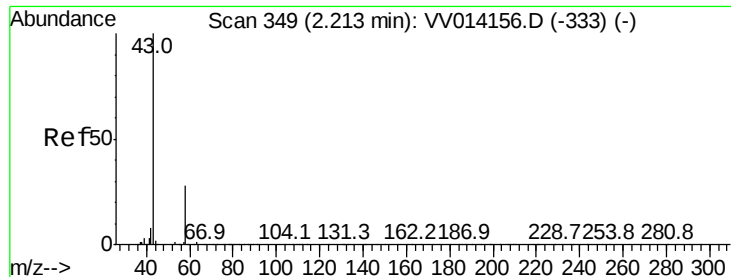


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 221.951 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.00 min

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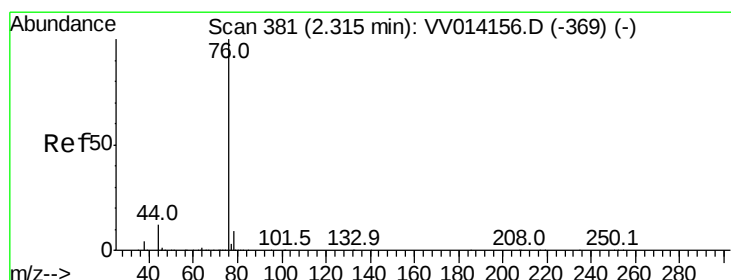
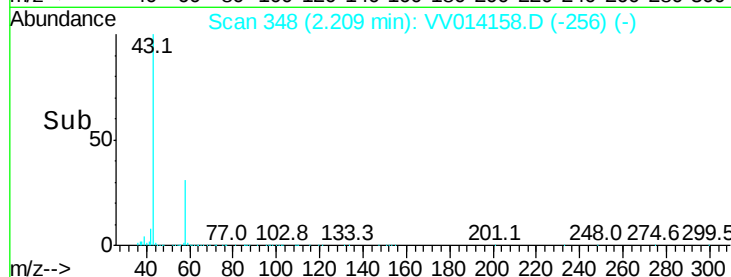
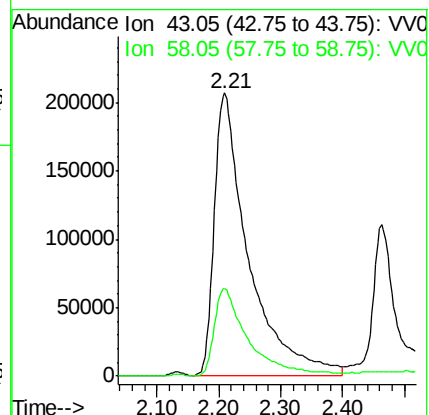
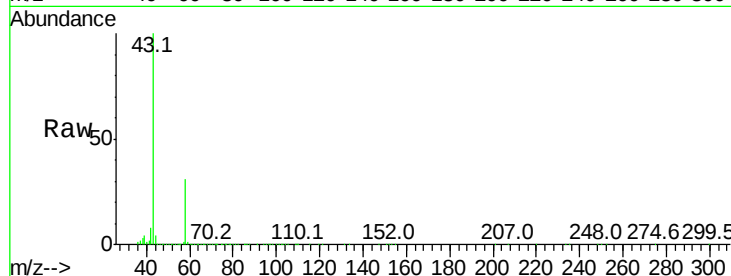
VSTD02031

Tgt Ion: 43 Resp: 789781

Ion Ratio Lower Upper

43 100

58 31.0 0.0 58.8



#14

Carbon disulfide

Concen: 36.964 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.01 min

Lab File: VV014158.D

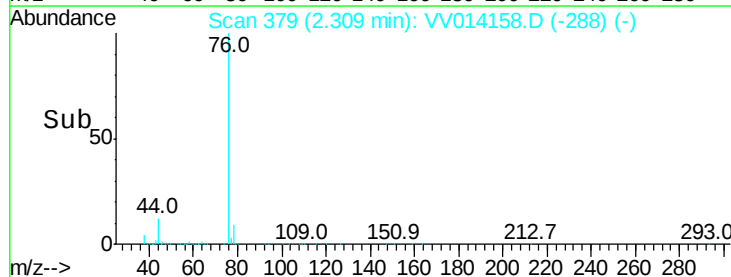
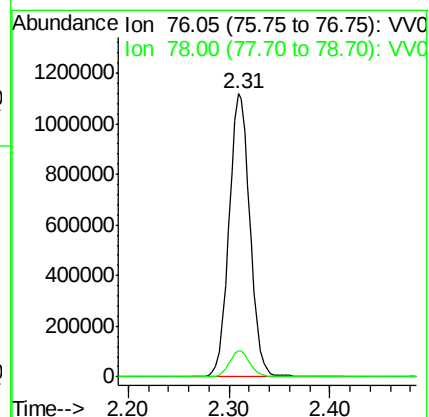
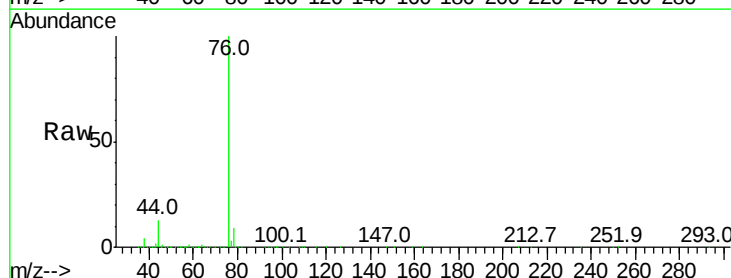
Acq: 23 Dec 2019 12:42

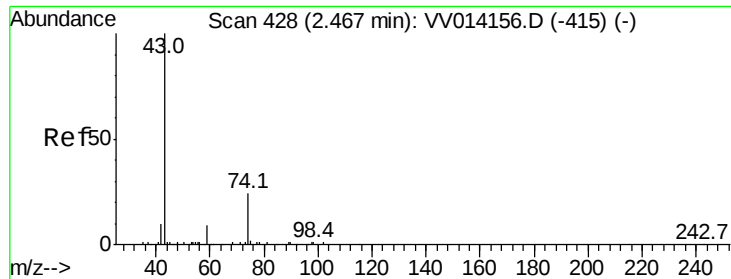
Tgt Ion: 76 Resp: 1622565

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.6

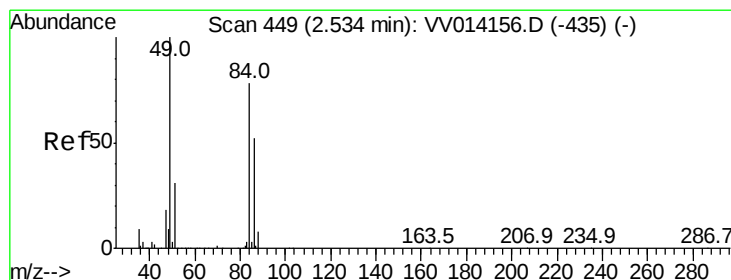
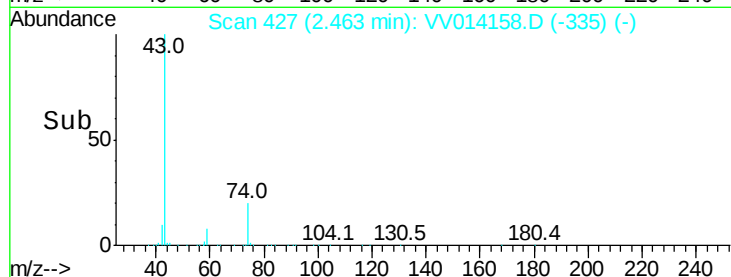
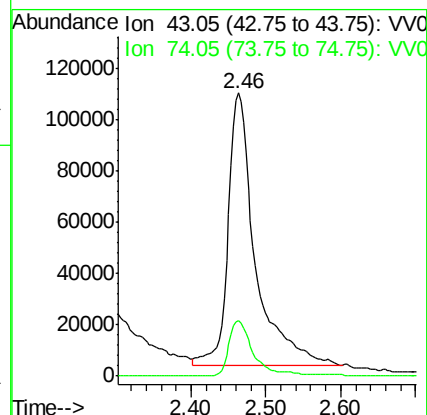
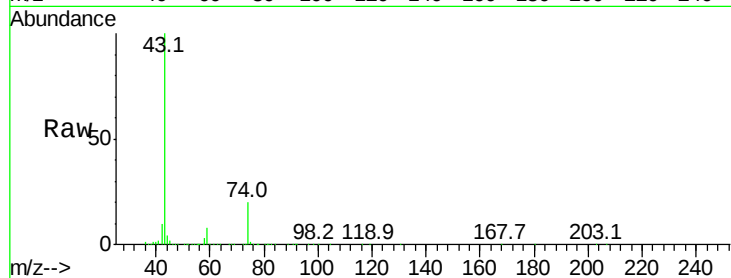




#15
Methyl Acetate
Concen: 33.472 ug/L
RT: 2.46 min Scan# 427
Delta R.T. -0.00 min
Lab File: VV014158.D
Acq: 23 Dec 2019 12:42

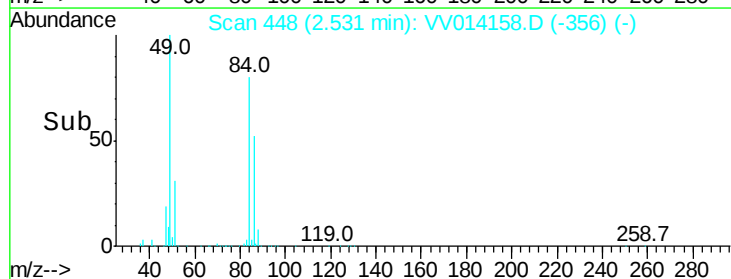
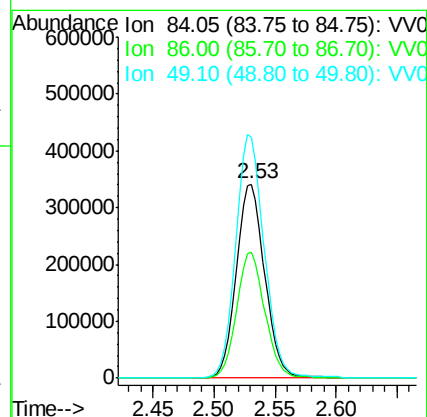
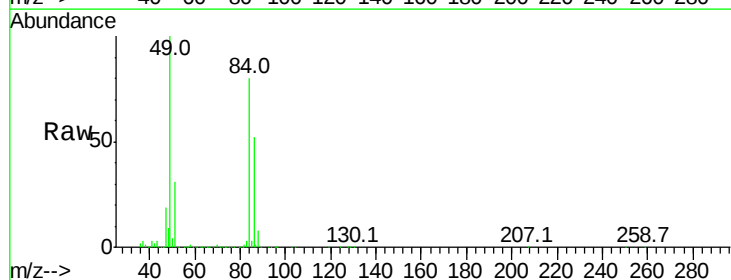
Instrument :
MSVOA_V
ClientSampleId :
VSTD02031

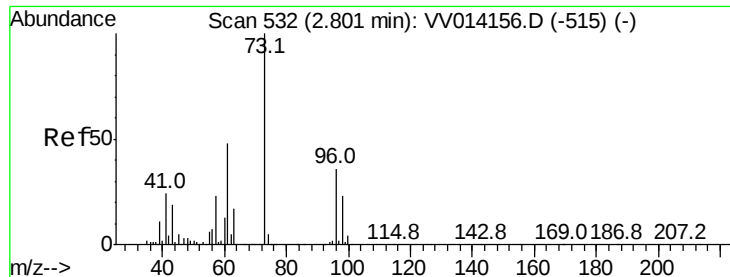
Tgt Ion: 43 Resp: 266641
Ion Ratio Lower Upper
43 100
74 18.5 17.3 25.9



#16
Methylene chloride
Concen: 21.286 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV014158.D
Acq: 23 Dec 2019 12:42

Tgt Ion: 84 Resp: 554400
Ion Ratio Lower Upper
84 100
86 64.6 46.3 85.9
49 124.3 89.8 166.8

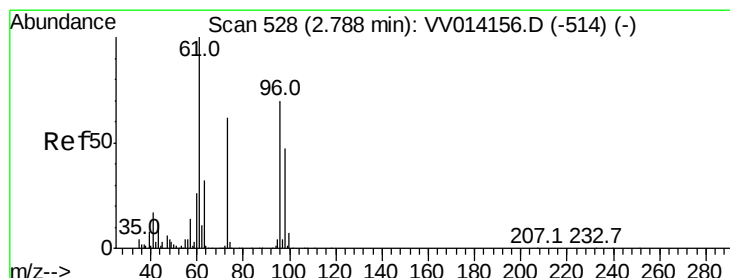
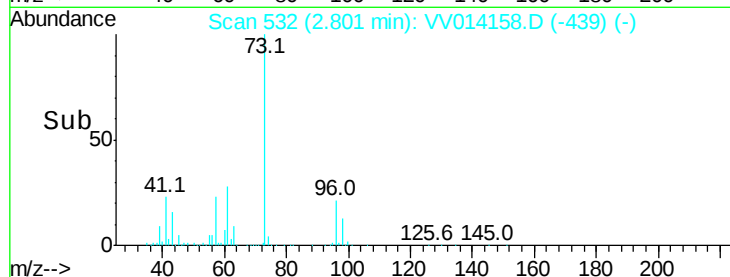
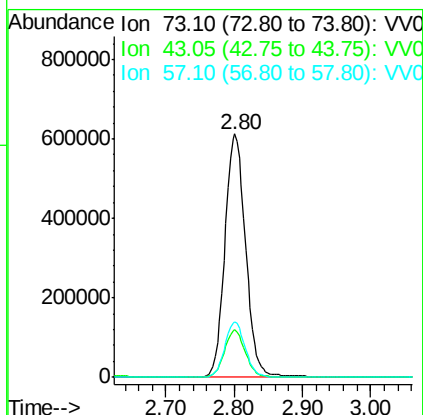
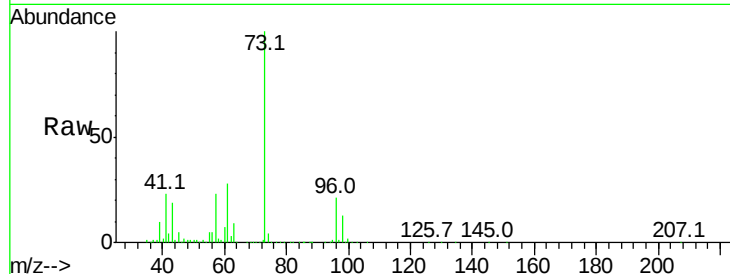




#17
Methyl tert-butyl Ether
Concen: 24.909 ug/L
RT: 2.80 min Scan# 532
Delta R.T. 0.00 min
Lab File: VV014158.D
Acq: 23 Dec 2019 12:42

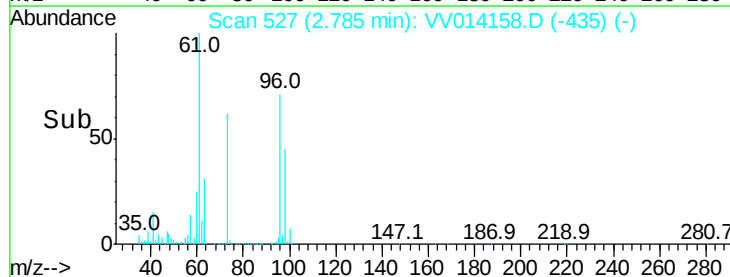
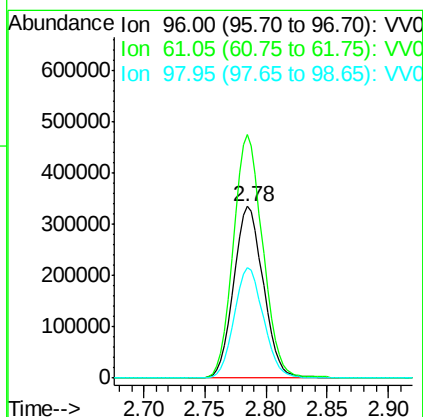
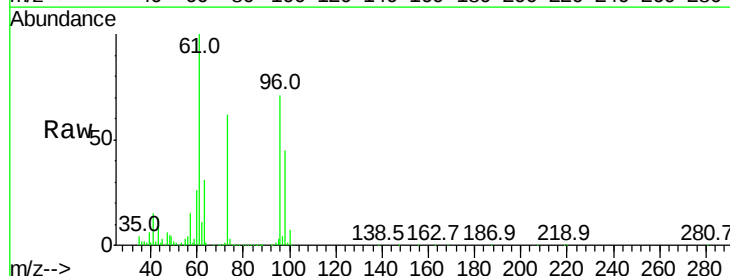
Instrument :
MSVOA_V
ClientSampleId :
VSTD02031

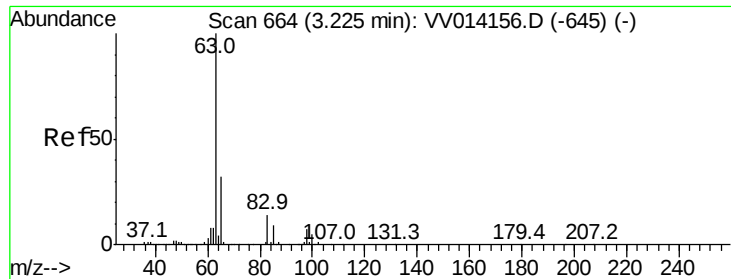
Tgt Ion: 73 Resp: 1296211
Ion Ratio Lower Upper
73 100
43 19.2 15.8 23.8
57 22.4 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 26.364 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV014158.D
Acq: 23 Dec 2019 12:42

Tgt Ion: 96 Resp: 566089
Ion Ratio Lower Upper
96 100
61 141.7 100.7 187.1
98 64.4 46.9 87.1



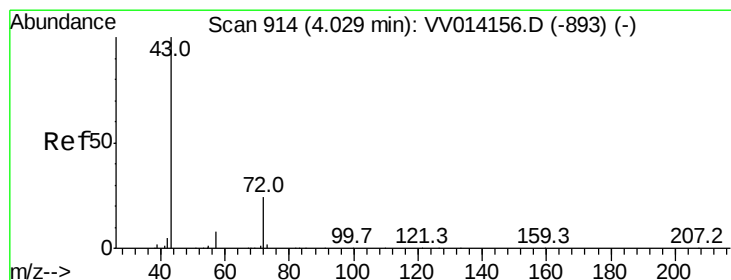
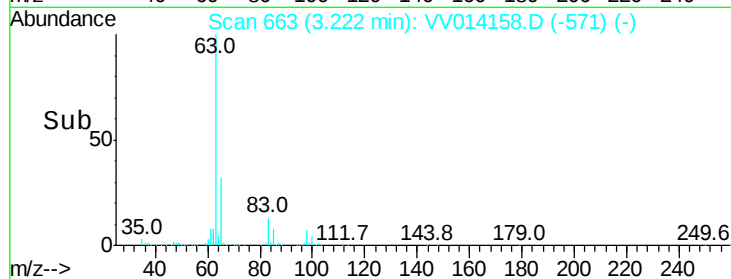
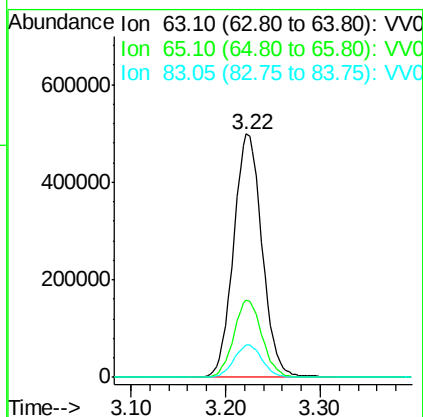
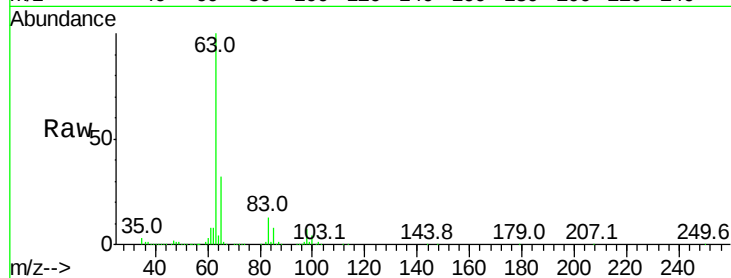


#19
 1,1-Dichloroethane
 Concen: 24.348 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: VV014158.D
 Acq: 23 Dec 2019 12:42

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02031

Tgt Ion: 63 Resp: 1043660

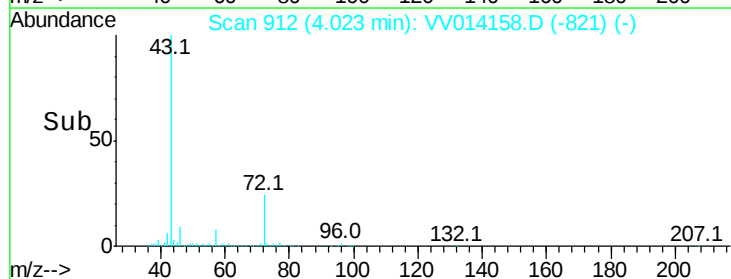
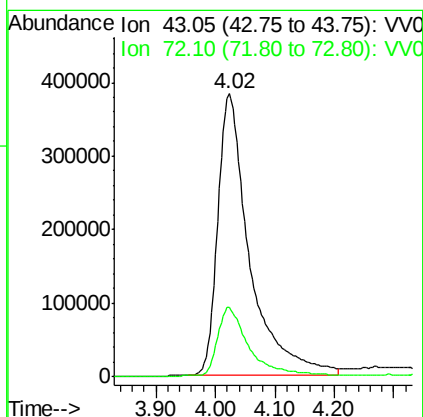
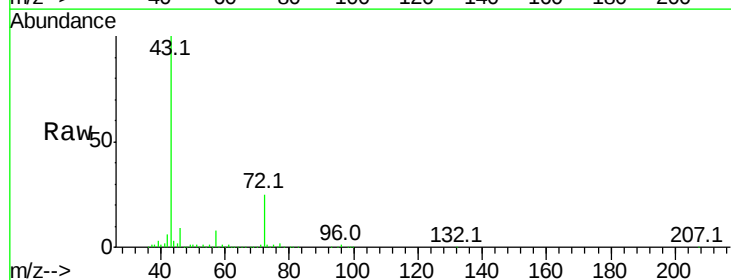
Ion	Ratio	Lower	Upper
63	100		
65	31.8	22.3	41.5
83	13.2	9.7	17.9

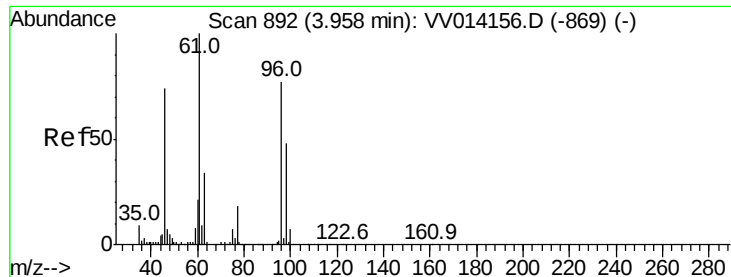


#21
 2-Butanone
 Concen: 264.241 ug/L
 RT: 4.02 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: VV014158.D
 Acq: 23 Dec 2019 12:42

Tgt Ion: 43 Resp: 1421248

Ion	Ratio	Lower	Upper
43	100		
72	24.5	12.4	37.0



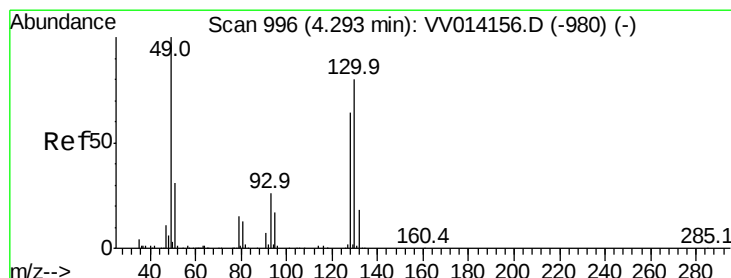
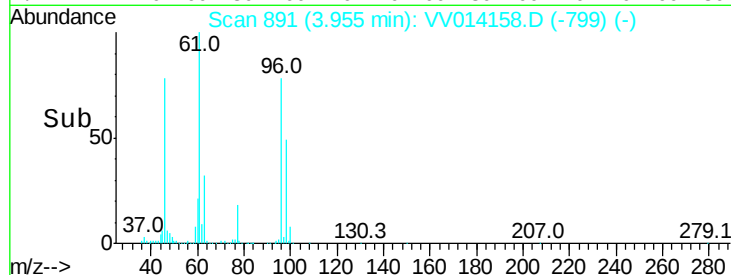
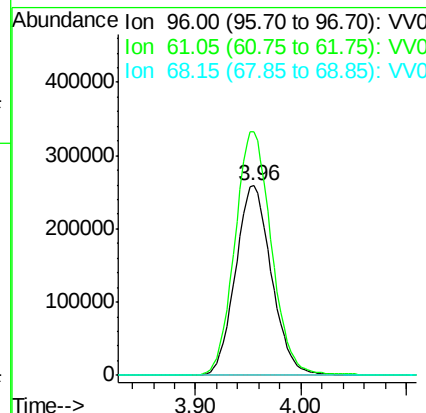
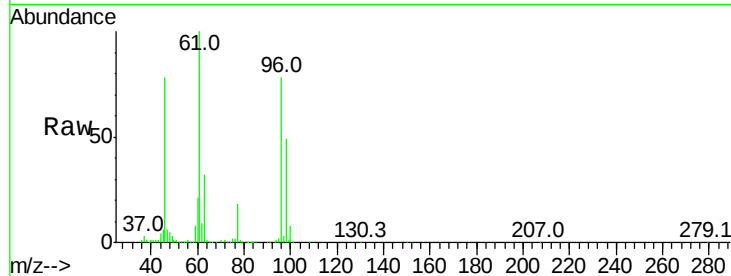


#22

cis-1,2-Dichloroethene
 Concen: 24.342 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: VV014158.D
 Acq: 23 Dec 2019 12:42

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02031

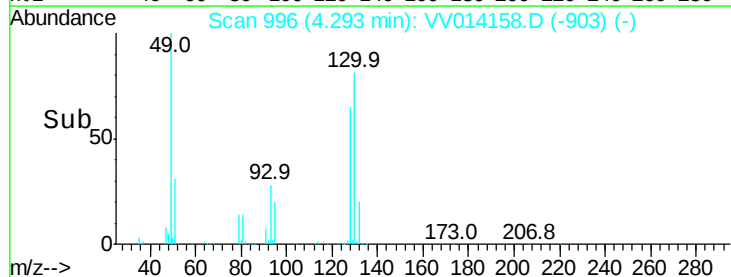
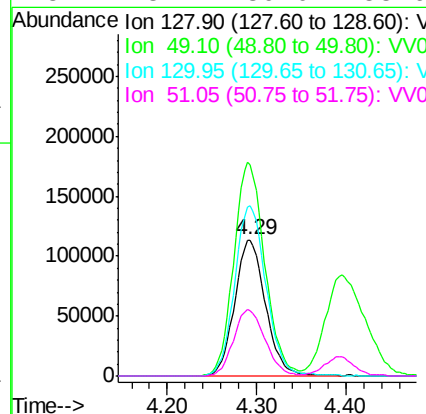
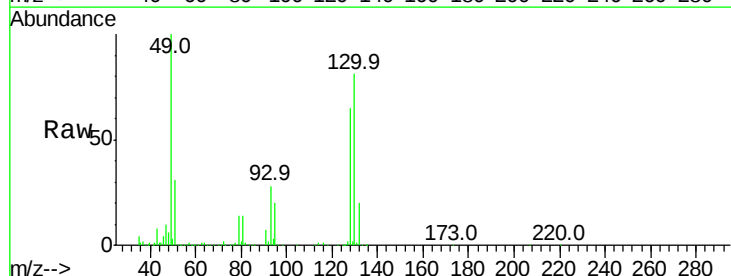
Tgt Ion: 96 Resp: 612892
 Ion Ratio Lower Upper
 96 100
 61 128.5 91.2 169.4
 68 0.1 0.1 0.3#

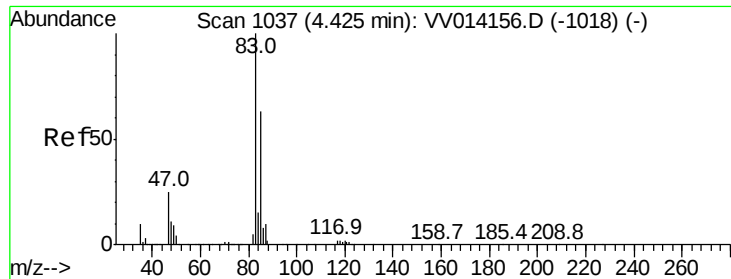


#23

Bromochloromethane
 Concen: 24.613 ug/L
 RT: 4.29 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: VV014158.D
 Acq: 23 Dec 2019 12:42

Tgt Ion: 128 Resp: 272323
 Ion Ratio Lower Upper
 128 100
 49 154.9 109.3 202.9
 130 125.1 87.2 161.9
 51 48.1 39.0 58.6

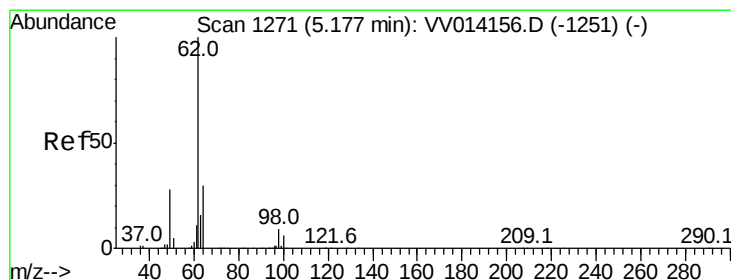
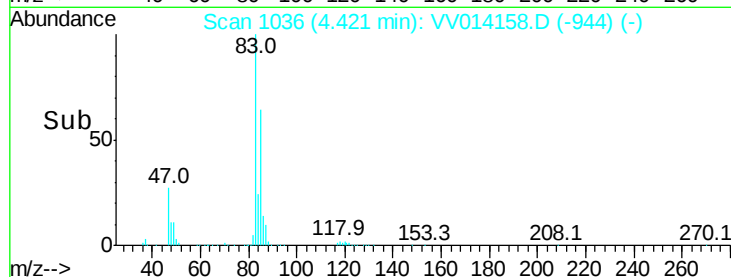
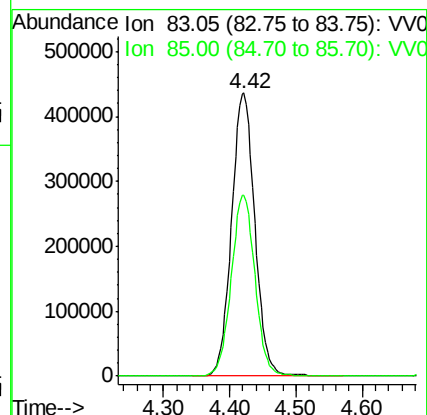
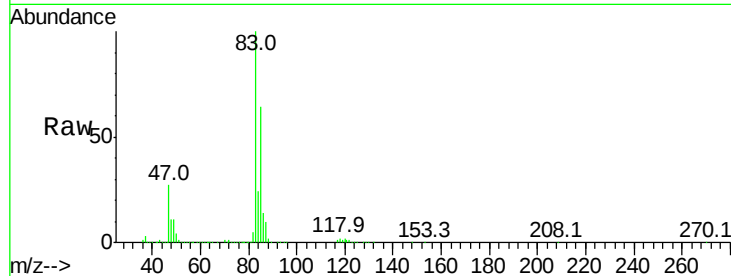




#25
Chloroform
Concen: 23.347 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV014158.D
Acq: 23 Dec 2019 12:42

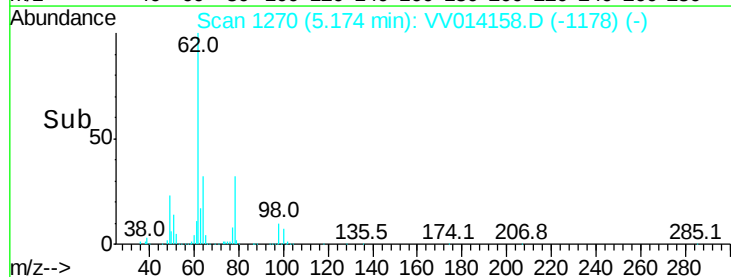
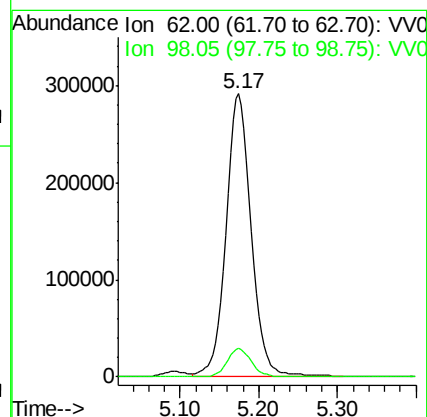
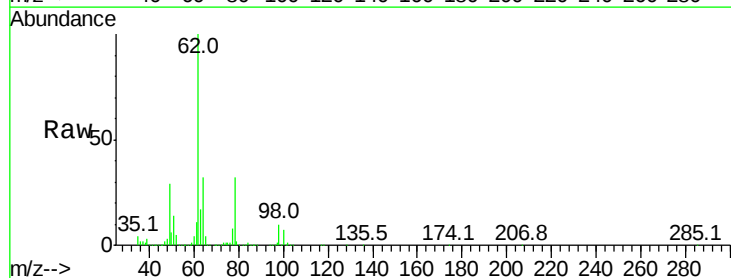
Instrument :
MSVOA_V
ClientSampleId :
VSTD02031

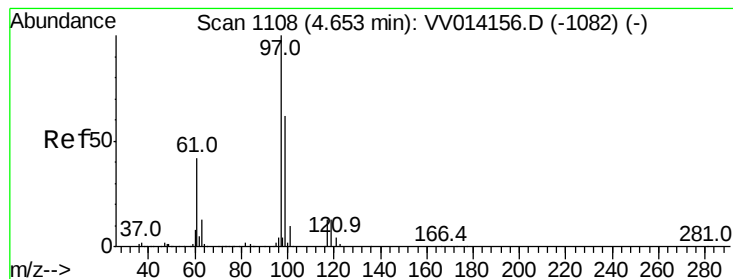
Tgt Ion: 83 Resp: 1060918
Ion Ratio Lower Upper
83 100
85 63.8 44.6 82.8



#27
1,2-Dichloroethane
Concen: 24.505 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV014158.D
Acq: 23 Dec 2019 12:42

Tgt Ion: 62 Resp: 637308
Ion Ratio Lower Upper
62 100
98 10.0 7.0 10.6





#29

1,1,1-Trichloroethane

Concen: 23.171 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VV014158.D

Acq: 23 Dec 2019 12:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD02031

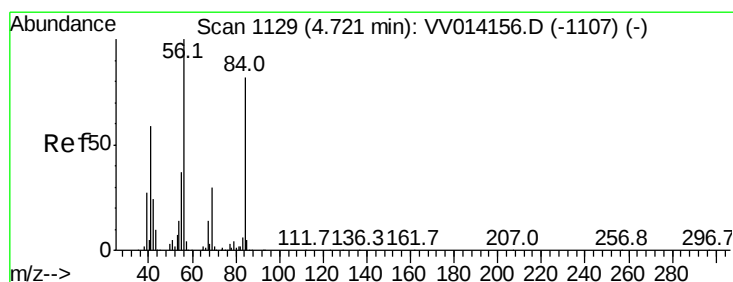
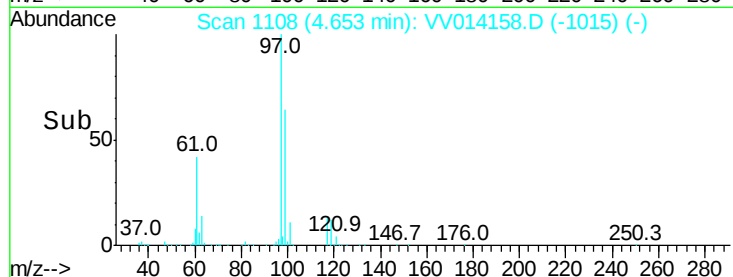
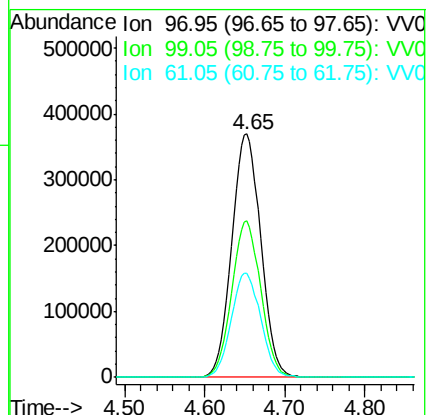
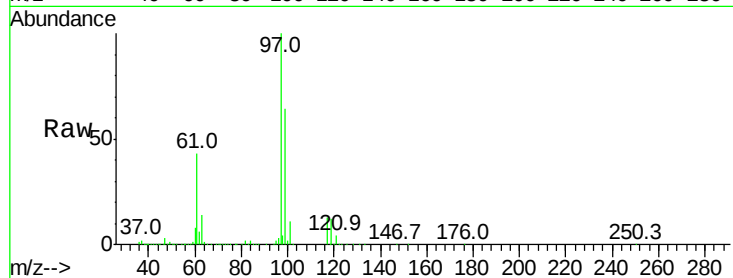
Tgt Ion: 97 Resp: 911913

Ion Ratio Lower Upper

97 100

99 64.1 51.6 77.4

61 43.3 34.5 51.7



#30

Cyclohexane

Concen: 30.016 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VV014158.D

Acq: 23 Dec 2019 12:42

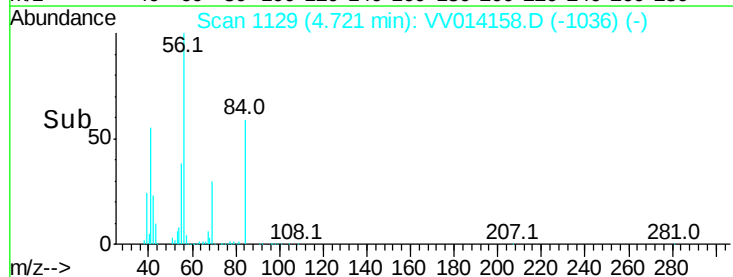
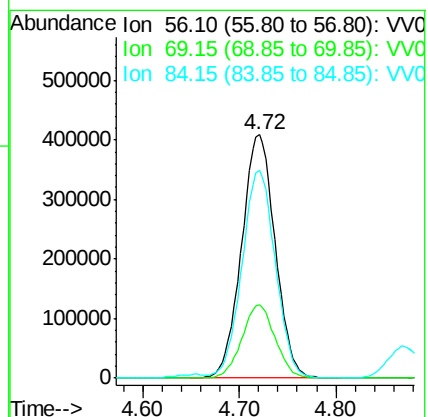
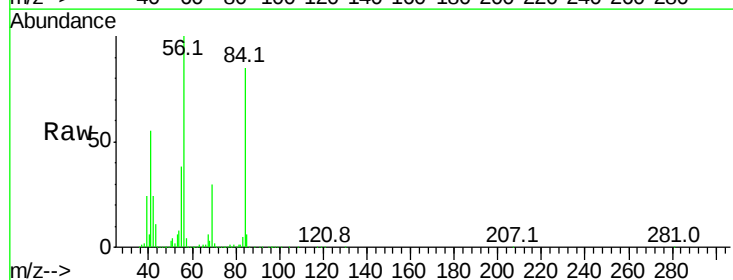
Tgt Ion: 56 Resp: 986931

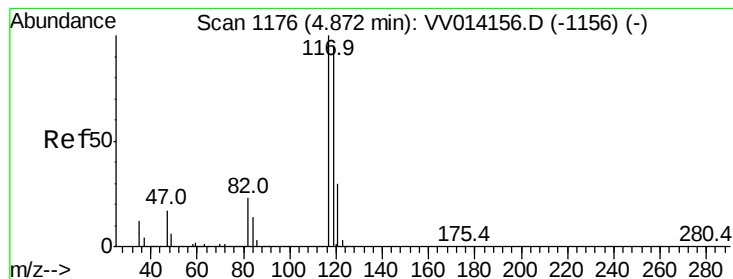
Ion Ratio Lower Upper

56 100

69 29.8 24.4 36.6

84 84.8 68.3 102.5





#31

Carbon tetrachloride

Concen: 24.003 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VV014158.D

Acq: 23 Dec 2019 12:42

Instrument :

MSVOA_V

ClientSampleId :

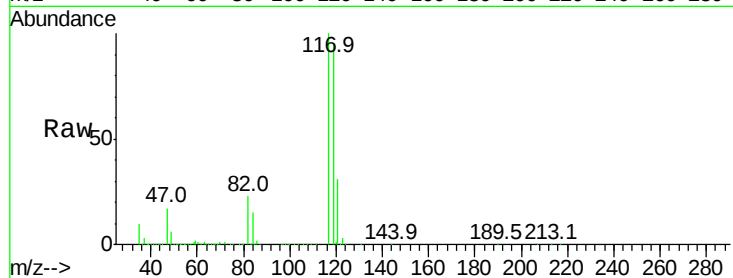
VSTD02031

Tgt Ion:117 Resp: 831118

Ion Ratio Lower Upper

117 100

119 95.8 76.2 114.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

400000

300000

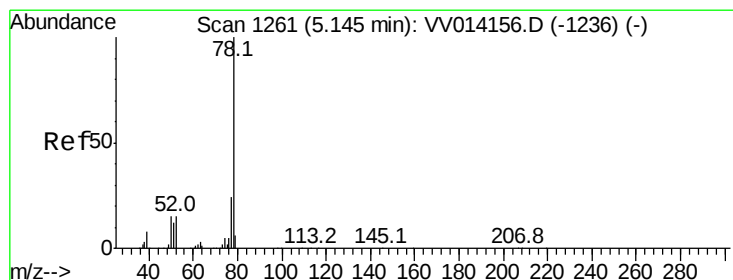
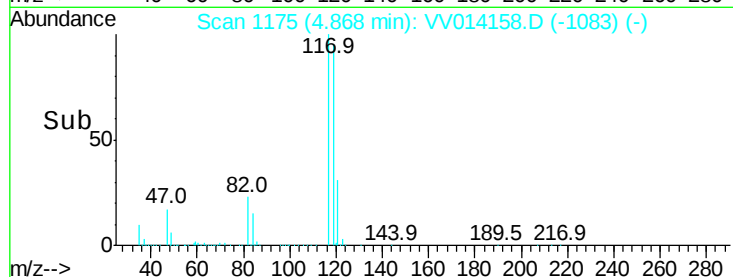
200000

100000

0

Time-->

4.80 4.90 5.00



#33

Benzene

Concen: 24.545 ug/L

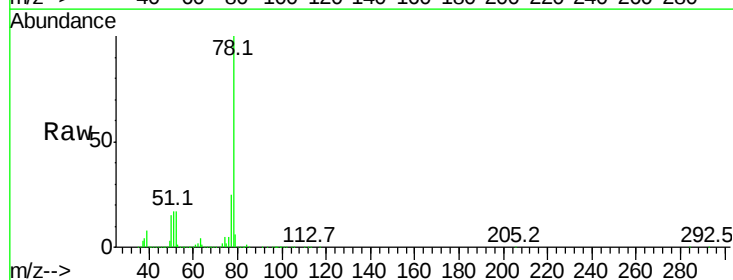
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VV014158.D

Acq: 23 Dec 2019 12:42

Tgt Ion: 78 Resp: 2316296



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.14

1200000

1000000

800000

600000

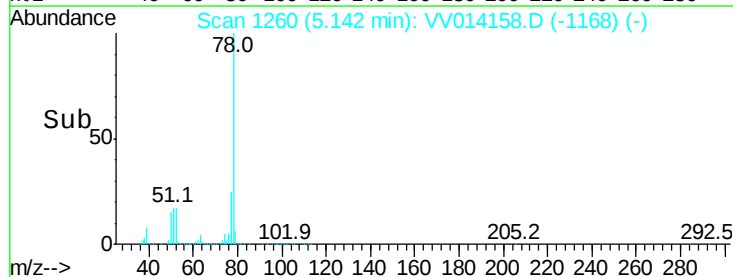
400000

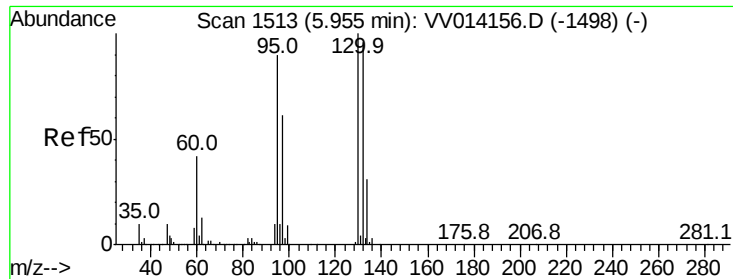
200000

0

Time-->

5.00 5.10 5.20 5.30

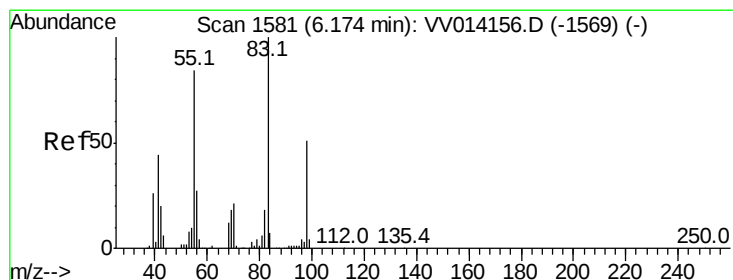
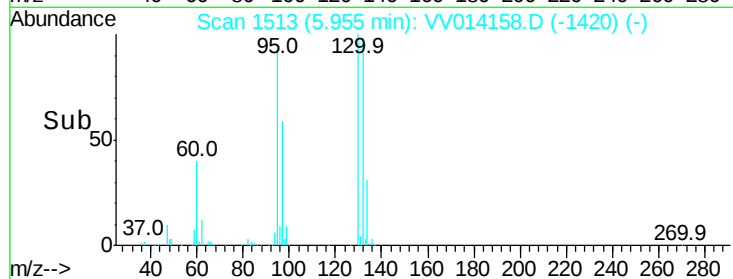
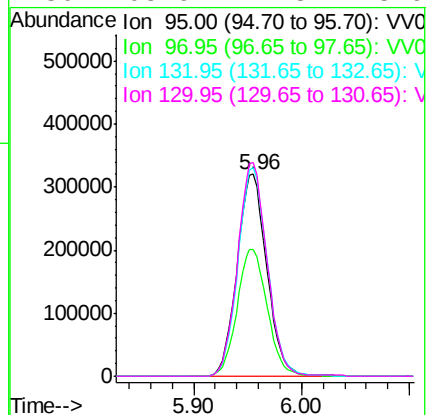
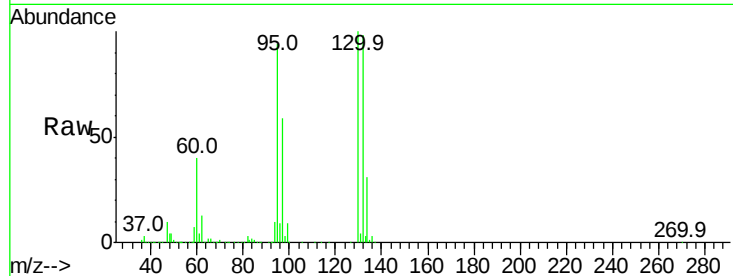




#34
 Trichloroethene
 Concen: 23.628 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VV014158.D
 Acq: 23 Dec 2019 12:42

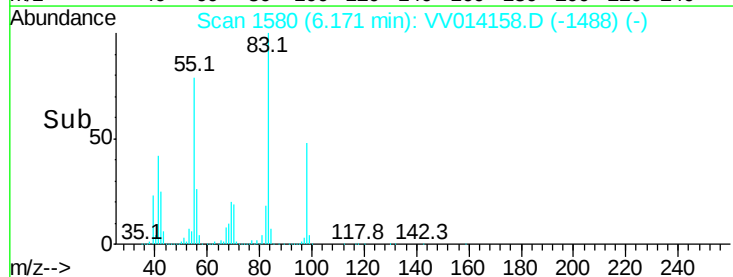
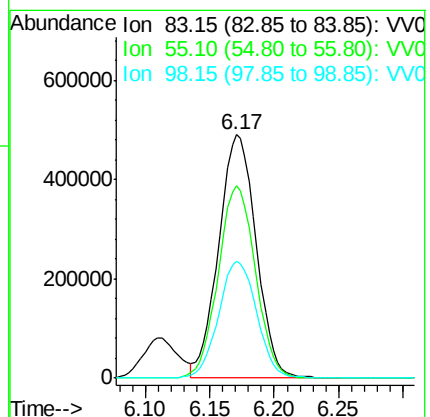
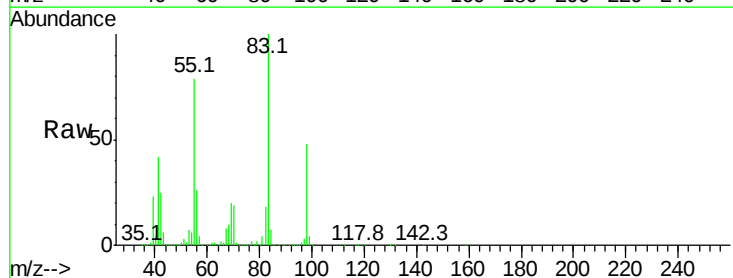
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02031

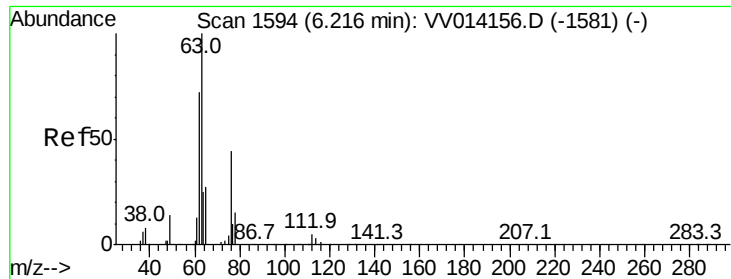
Tgt Ion:	95	Resp:	615125
Ion	Ratio	Lower	Upper
95	100		
97	62.6	47.2	87.6
132	103.7	74.1	137.7
130	105.9	77.5	143.9



#35
 Methylcyclohexane
 Concen: 28.425 ug/L
 RT: 6.17 min Scan# 1580
 Delta R.T. -0.00 min
 Lab File: VV014158.D
 Acq: 23 Dec 2019 12:42

Tgt Ion:	83	Resp:	987399
Ion	Ratio	Lower	Upper
83	100		
55	79.0	65.3	97.9
98	48.8	39.2	58.8





#37

1,2-Dichloropropane

Concen: 23.743 ug/L

RT: 6.22 min Scan# 1594

Delta R.T. 0.00 min

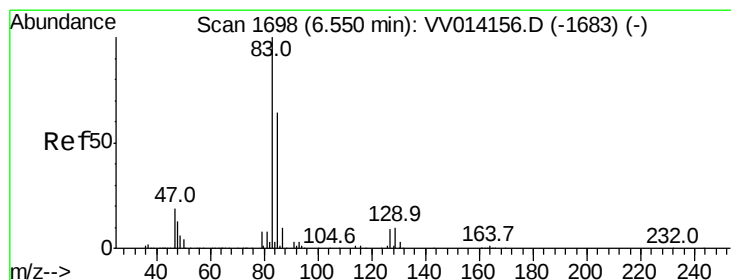
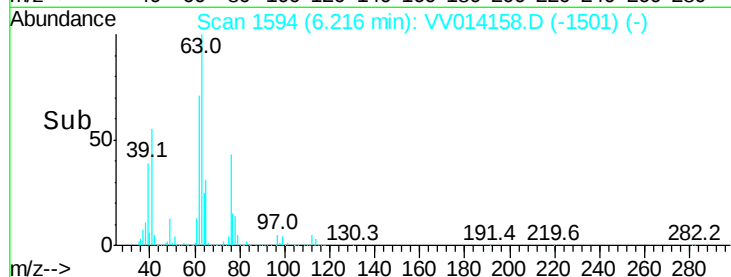
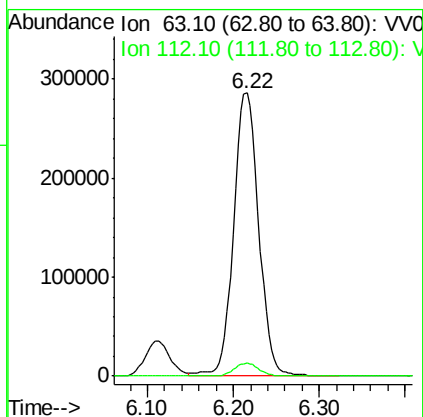
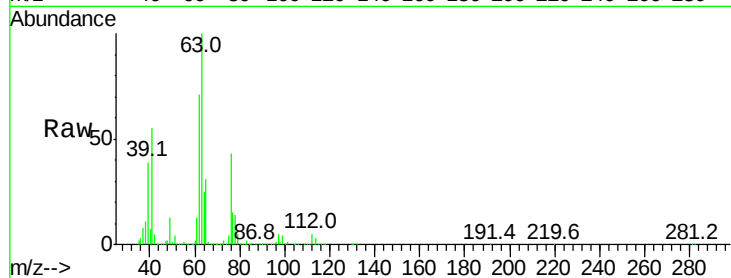
Lab File: VV014158.D

Acq: 23 Dec 2019 12:42

Instrument :
MSVOA_V
ClientSampleId :
VSTD02031

Tgt Ion: 63 Resp: 575904

Ion	Ratio	Lower	Upper
63	100		
112	4.6	4.0	6.0



#38

Bromodichloromethane

Concen: 22.968 ug/L

RT: 6.55 min Scan# 1698

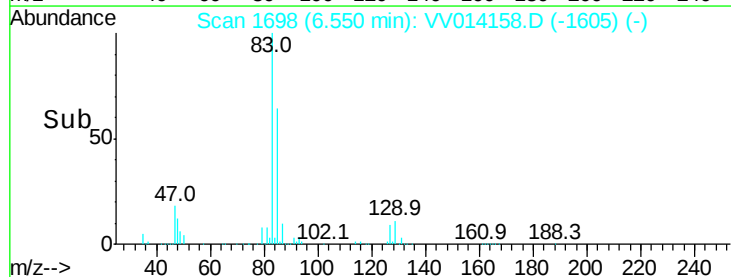
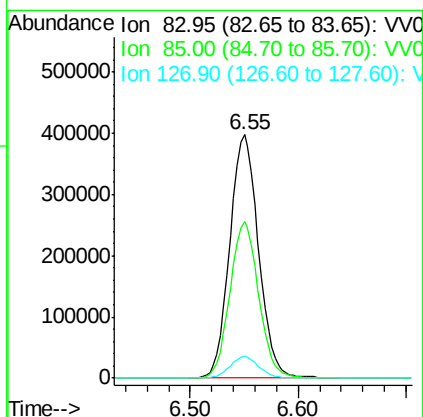
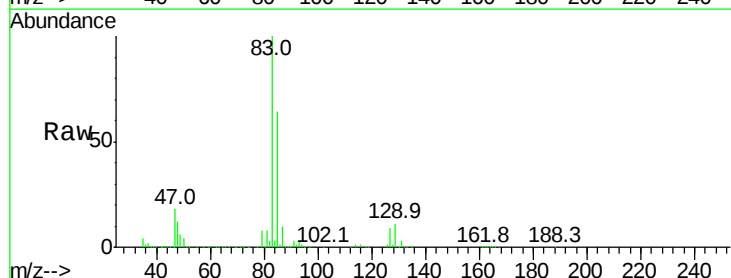
Delta R.T. -0.00 min

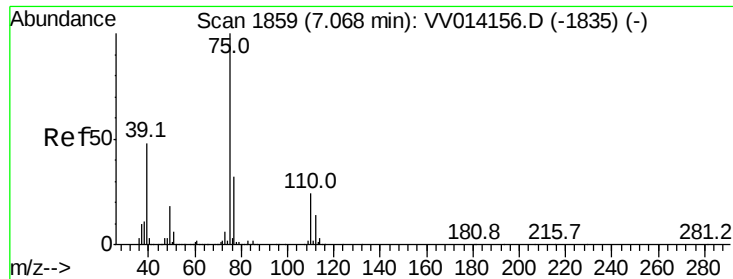
Lab File: VV014158.D

Acq: 23 Dec 2019 12:42

Tgt Ion: 83 Resp: 735068

Ion	Ratio	Lower	Upper
83	100		
85	64.1	44.5	82.7
127	9.1	7.2	10.8





#39

cis-1,3-Dichloropropene

Concen: 25.315 ug/L

RT: 7.06 min Scan# 1858

Delta R.T. -0.00 min

Lab File: VV014158.D

Acq: 23 Dec 2019 12:42

Instrument :

MSVOA_V

ClientSampled :

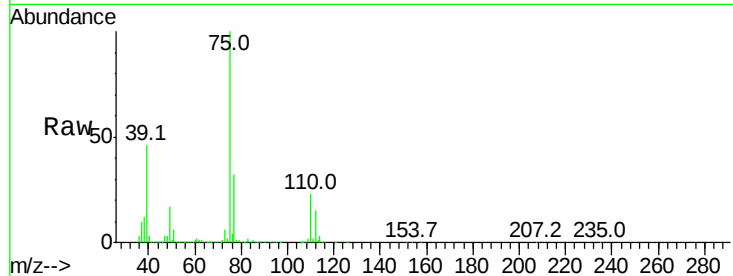
VSTD02031

Tgt Ion: 75 Resp: 871259

Ion Ratio Lower Upper

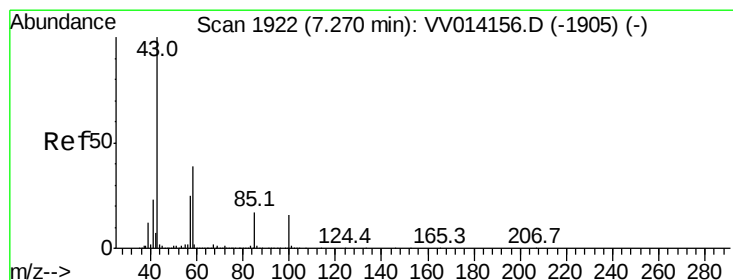
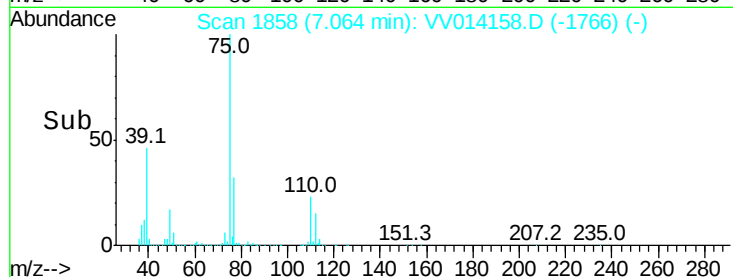
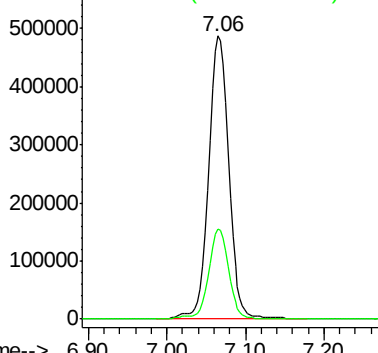
75 100

77 31.9 22.6 42.0



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: 247.466 ug/L

RT: 7.27 min Scan# 1921

Delta R.T. -0.00 min

Lab File: VV014158.D

Acq: 23 Dec 2019 12:42

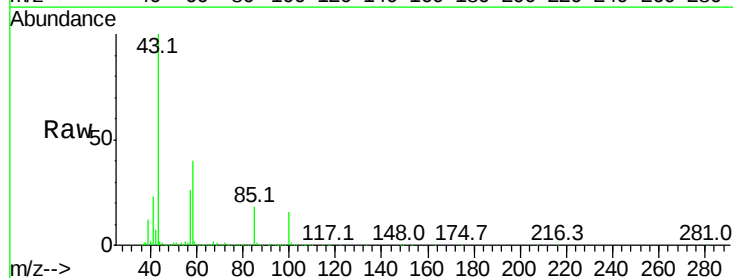
Tgt Ion: 43 Resp: 3502232

Ion Ratio Lower Upper

43 100

58 39.9 30.8 46.2

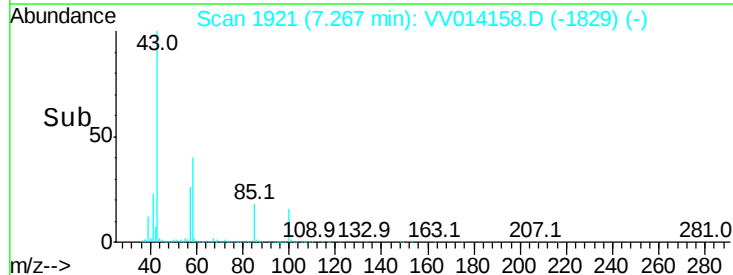
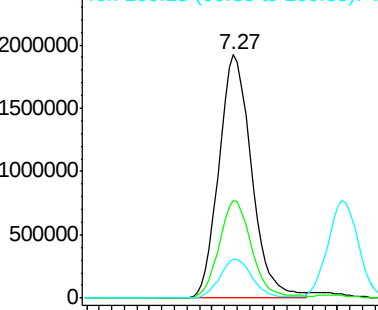
100 16.0 12.3 18.5

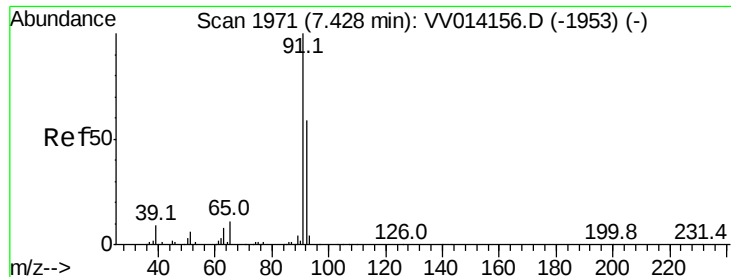


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 24.031 ug/L

RT: 7.42 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VV014158.D

Acq: 23 Dec 2019 12:42

Instrument :

MSVOA_V

ClientSampleId :

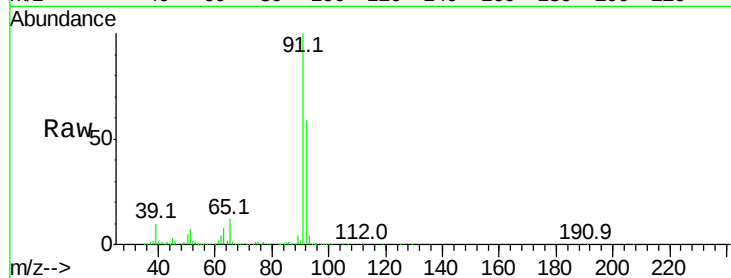
VSTD02031

Tgt Ion: 91 Resp: 2432684

Ion Ratio Lower Upper

91 100

92 59.5 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VV014158.D (-1953) (-)

Ion 92.15 (91.85 to 92.85): VV014158.D (-1953) (-)

7.42

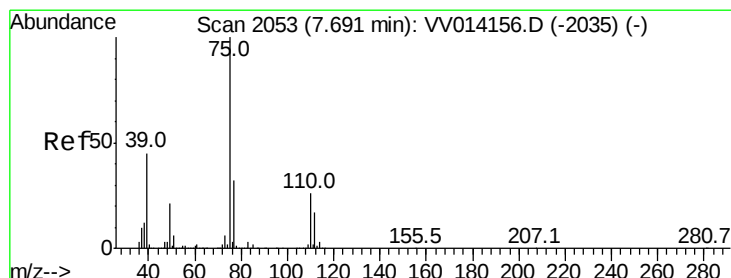
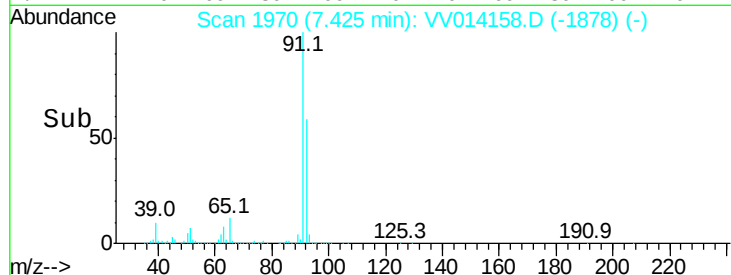
1500000

1000000

500000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 24.833 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV014158.D

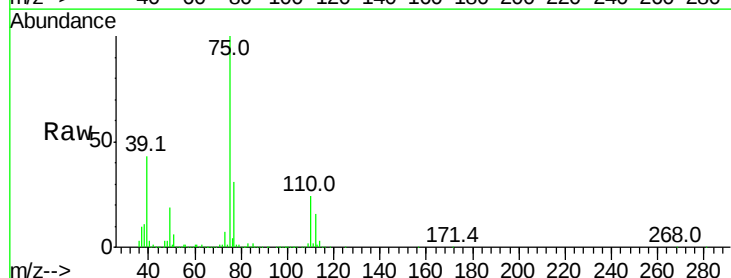
Acq: 23 Dec 2019 12:42

Tgt Ion: 75 Resp: 668976

Ion Ratio Lower Upper

75 100

77 31.2 22.8 42.4



Abundance Ion 75.05 (74.75 to 75.75): VV014158.D (-2035) (-)

Ion 77.05 (76.75 to 77.75): VV014158.D (-2035) (-)

7.69

400000

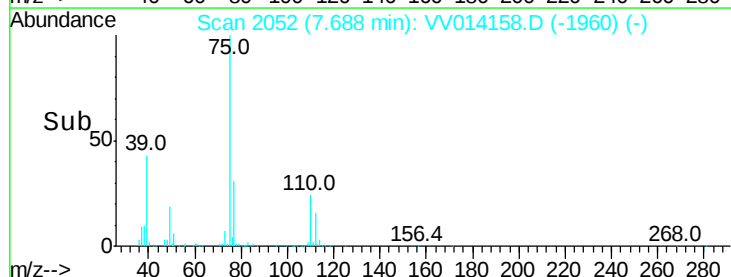
300000

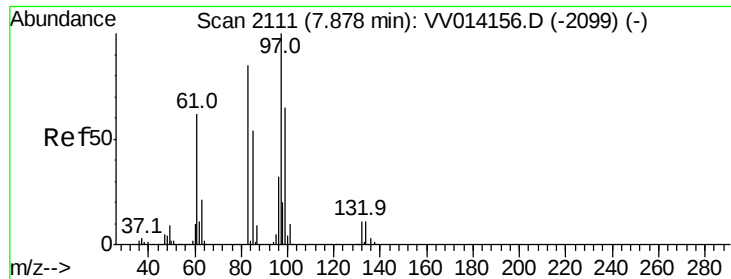
200000

100000

0

Time-->

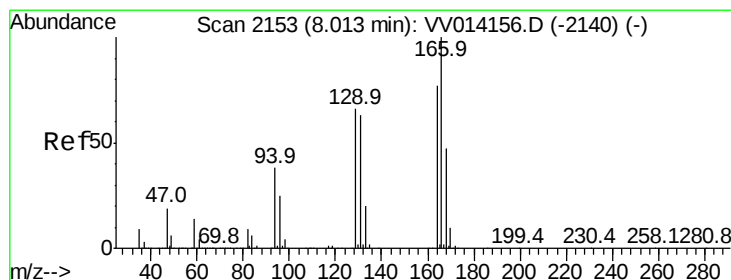
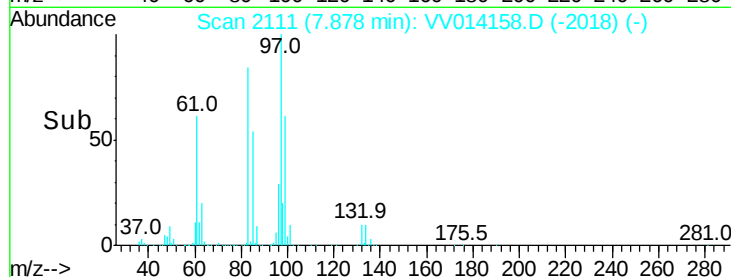
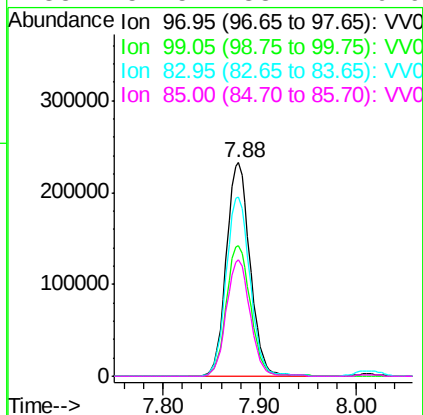
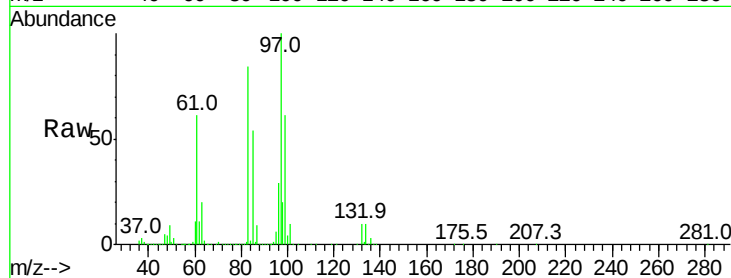




#45
 1,1,2-Trichloroethane
 Concen: 22.943 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VV014158.D
 Acq: 23 Dec 2019 12:42

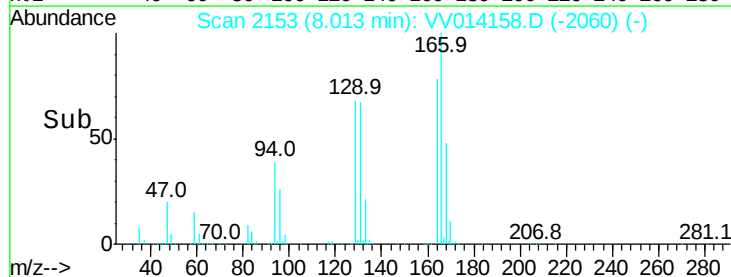
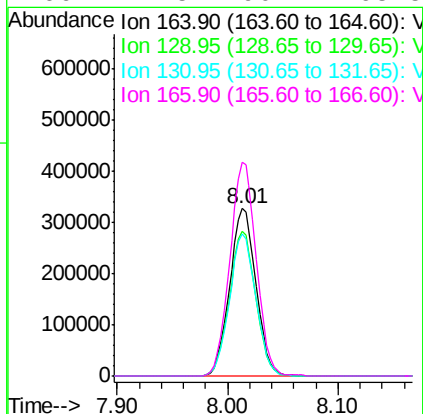
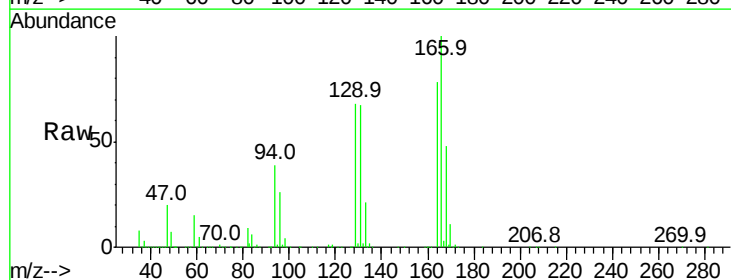
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02031

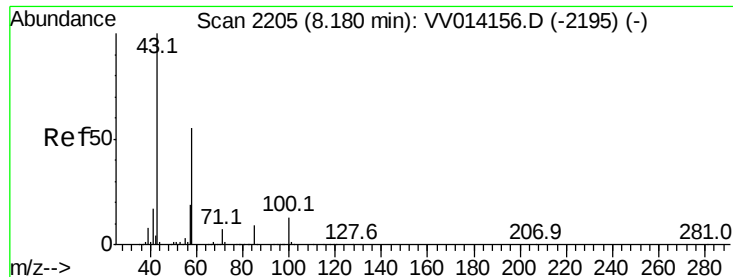
Tgt Ion:	97	Resp:	396593
Ion	Ratio	Lower	Upper
97	100		
99	61.4	45.8	85.2
83	84.0	59.5	110.5
85	54.5	38.1	70.9



#47
 Tetrachloroethene
 Concen: 23.864 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VV014158.D
 Acq: 23 Dec 2019 12:42

Tgt Ion:	164	Resp:	539469
Ion	Ratio	Lower	Upper
164	100		
129	86.7	60.1	111.5
131	85.1	57.3	106.5
166	127.5	90.7	168.5



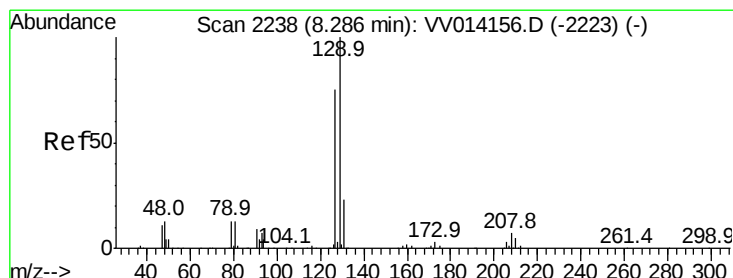
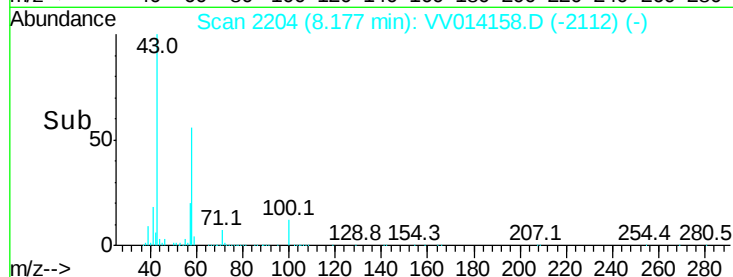
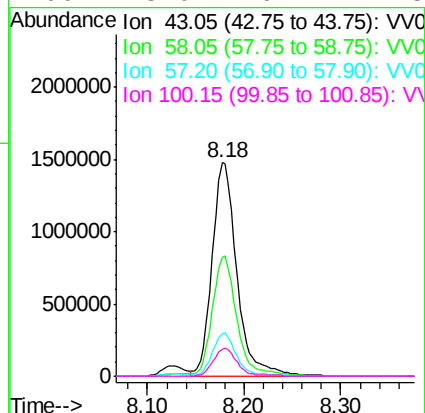
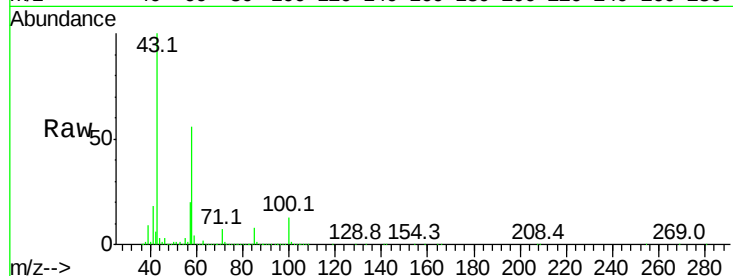


#48
2-Hexanone
Concen: 260.305 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VV014158.D
Acq: 23 Dec 2019 12:42

Instrument :
MSVOA_V
ClientSampleId :
VSTD02031

Tgt Ion: 43 Resp: 2629527

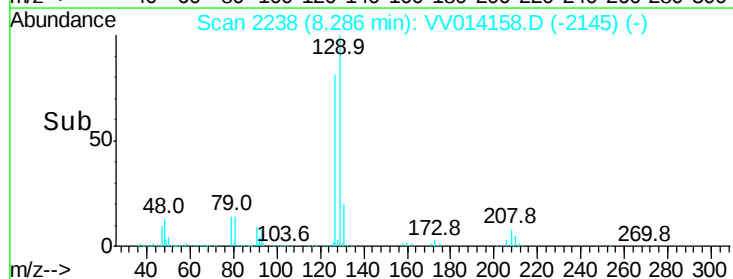
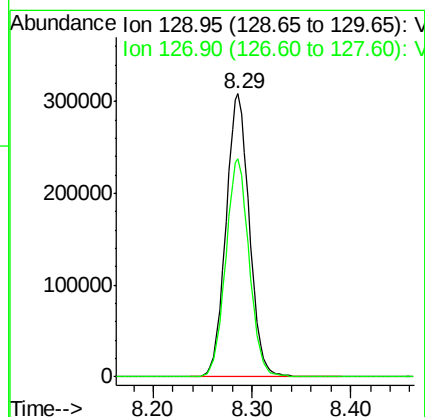
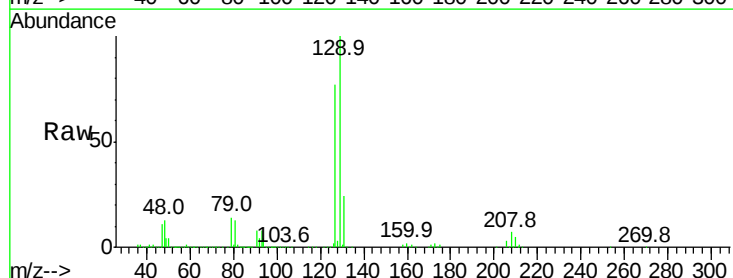
Ion	Ratio	Lower	Upper
43	100		
58	56.1	43.2	64.8
57	19.7	14.8	22.2
100	13.0	9.7	14.5

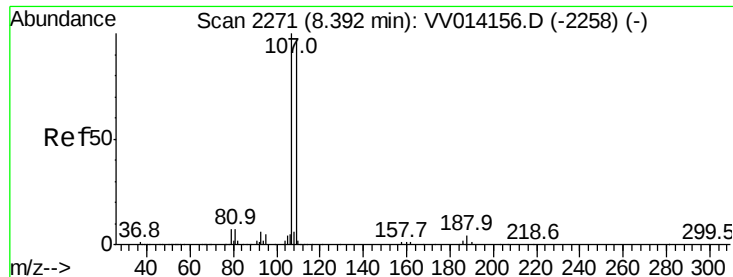


#49
Dibromochloromethane
Concen: 23.206 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014158.D
Acq: 23 Dec 2019 12:42

Tgt Ion: 129 Resp: 514460

Ion	Ratio	Lower	Upper
129	100		
127	76.9	52.6	97.6

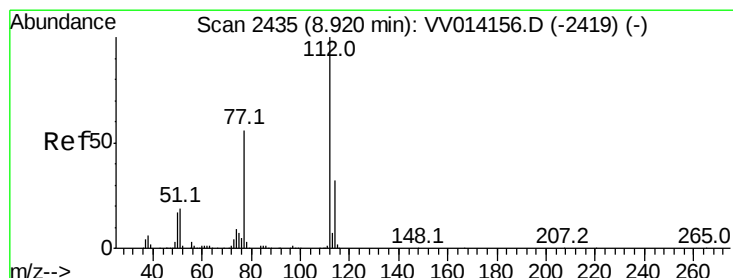
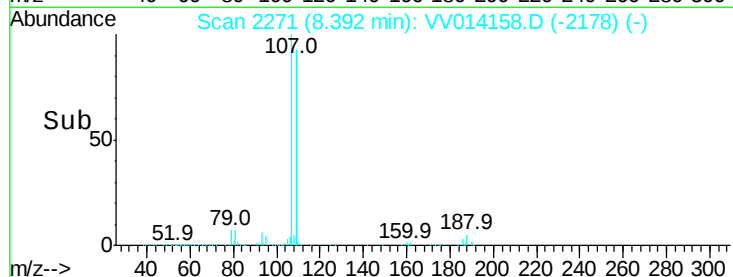
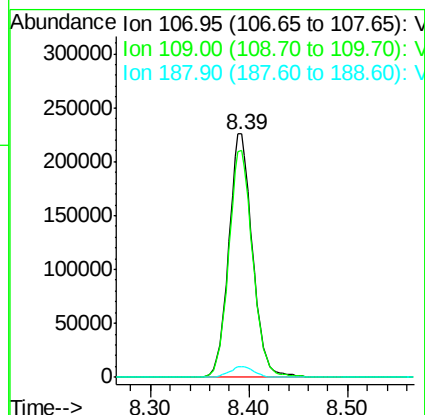
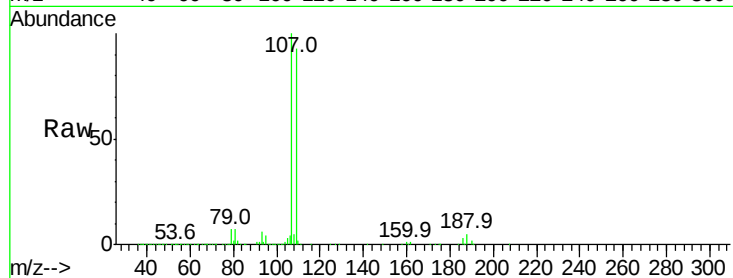




#50
1,2-Dibromoethane
Concen: 24.176 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV014158.D
Acq: 23 Dec 2019 12:42

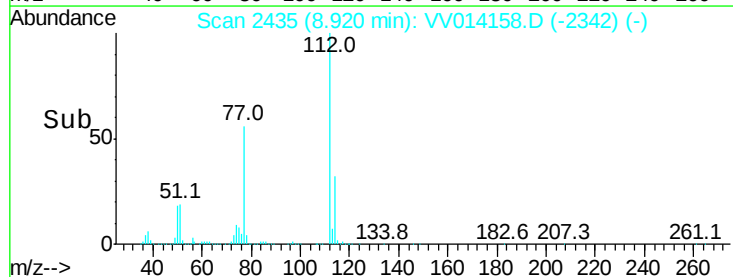
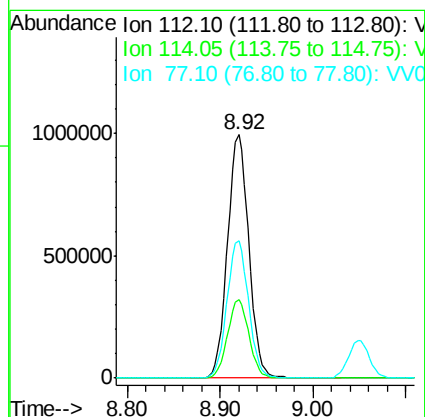
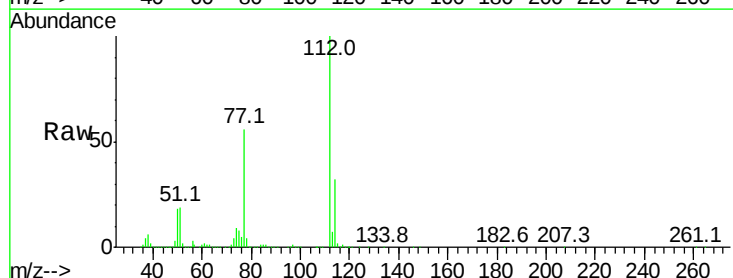
Instrument :
MSVOA_V
ClientSampleId :
VSTD02031

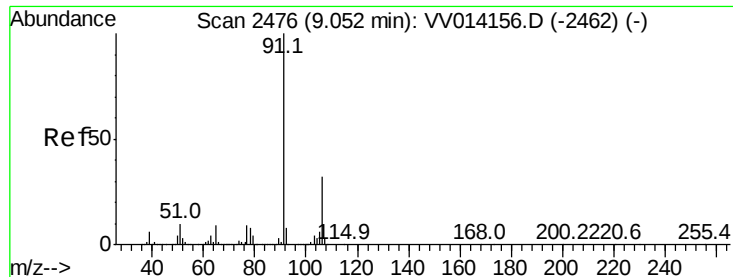
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.2	68.1	126.5
188	4.6	3.2	4.8



#51
Chlorobenzene
Concen: 22.506 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV014158.D
Acq: 23 Dec 2019 12:42

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.3	41.5
77	56.2	45.1	67.7





#52

Ethylbenzene

Concen: 25.373 ug/L

RT: 9.05 min Scan# 2475

Delta R.T. -0.00 min

Lab File: VV014158.D

Acq: 23 Dec 2019 12:42

Instrument :

MSVOA_V

ClientSampleId :

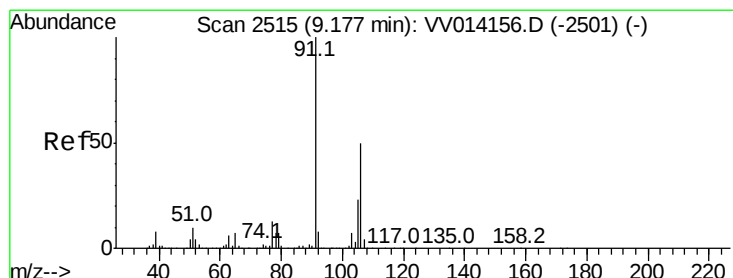
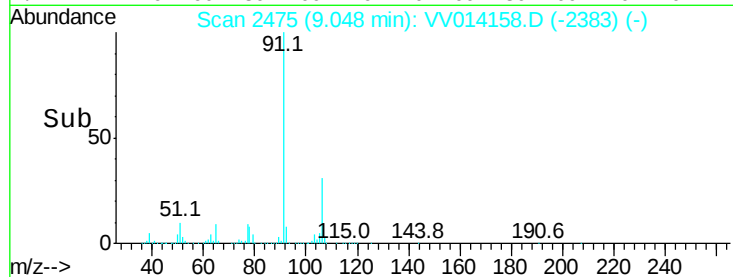
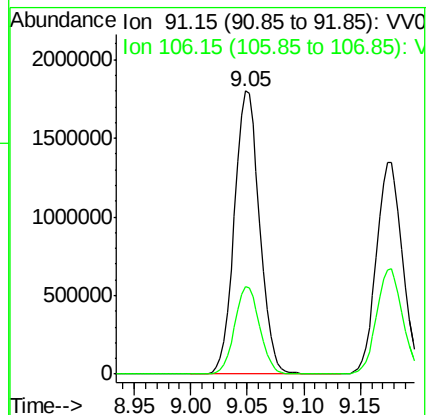
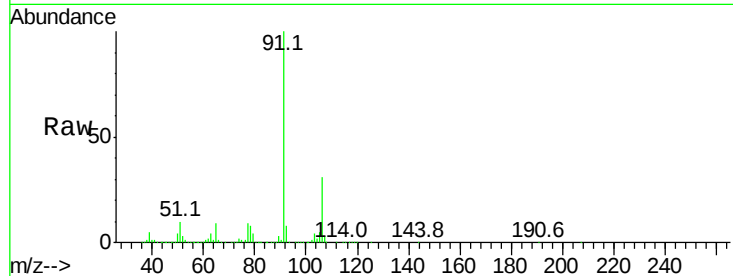
VSTD02031

Tgt Ion: 91 Resp: 2790109

Ion Ratio Lower Upper

91 100

106 30.9 22.0 41.0



#53

m,p-xylene

Concen: 25.686 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV014158.D

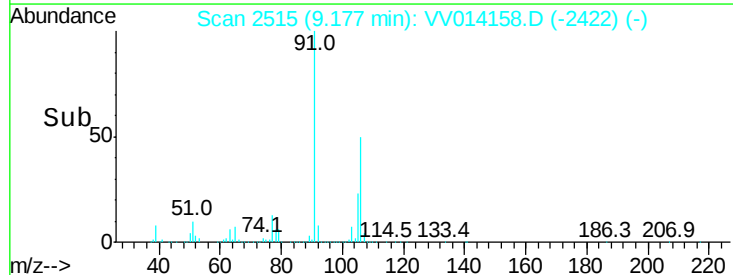
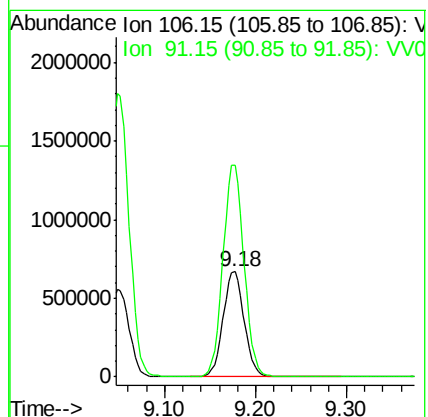
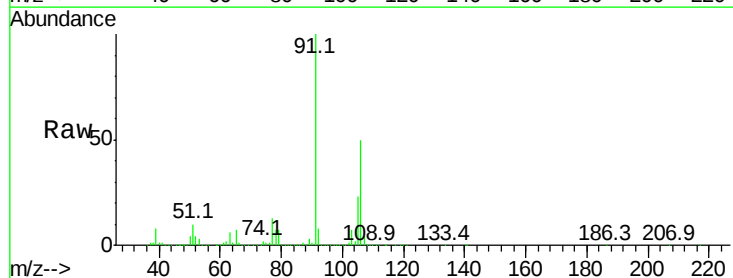
Acq: 23 Dec 2019 12:42

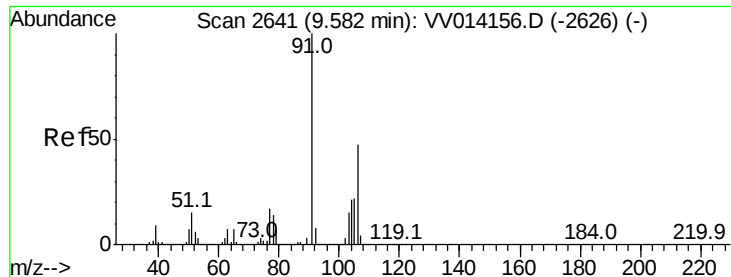
Tgt Ion: 106 Resp: 1076816

Ion Ratio Lower Upper

106 100

91 201.1 141.1 262.1

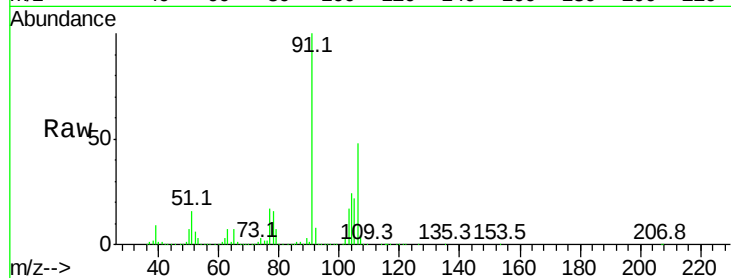




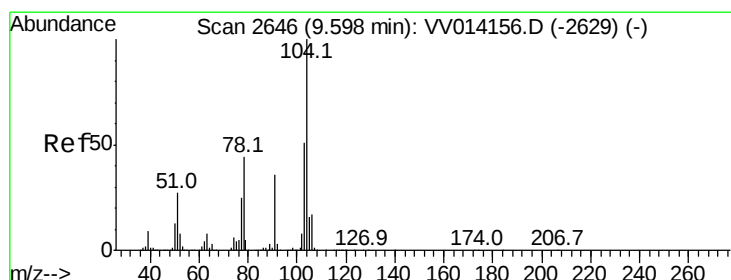
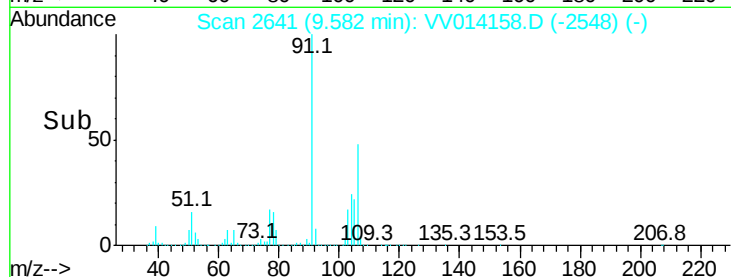
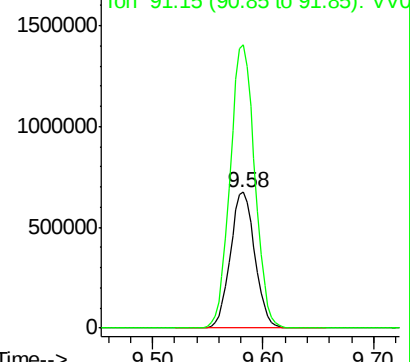
#54
o-xylene
Concen: 25.284 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV014158.D
Acq: 23 Dec 2019 12:42

Instrument :
MSVOA_V
ClientSampleId :
VSTD02031

Tgt Ion:106 Resp: 1034784
Ion Ratio Lower Upper
106 100
91 208.0 149.0 276.8

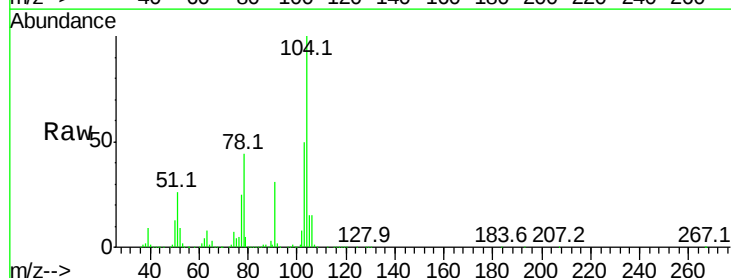


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

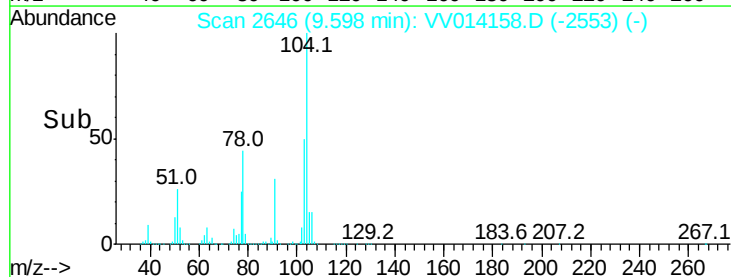
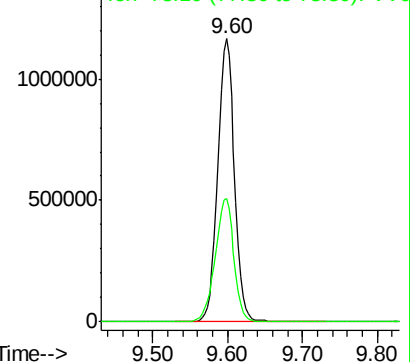


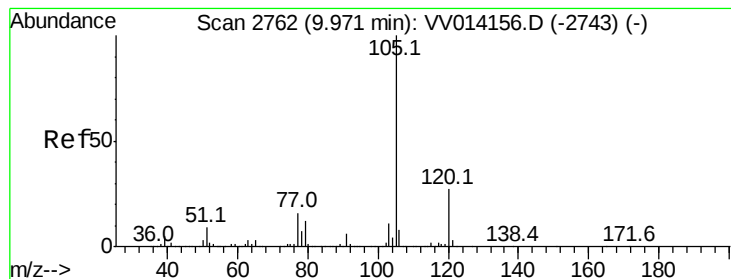
#55
Styrene
Concen: 25.360 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. 0.00 min
Lab File: VV014158.D
Acq: 23 Dec 2019 12:42

Tgt Ion:104 Resp: 1792057
Ion Ratio Lower Upper
104 100
78 43.6 30.5 56.7



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 24.818 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. -0.00 min

Lab File: VV014158.D

Acq: 23 Dec 2019 12:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD02031

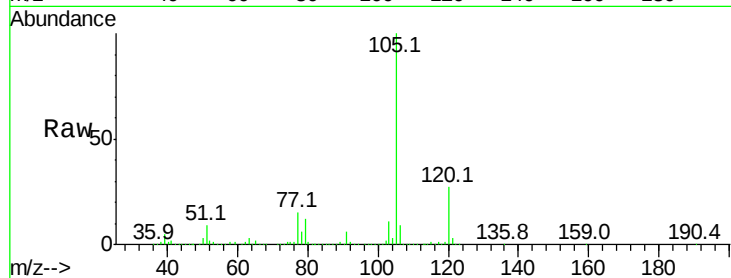
Tgt Ion:105 Resp: 2768020

Ion Ratio Lower Upper

105 100

120 26.8 21.1 31.7

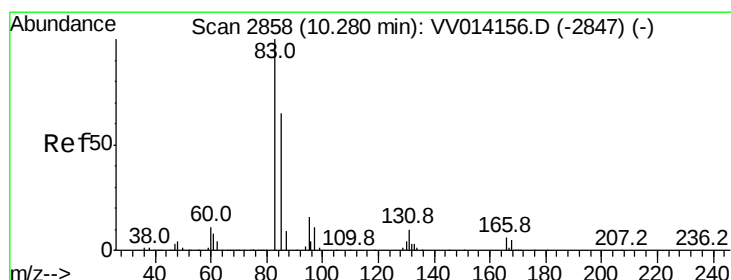
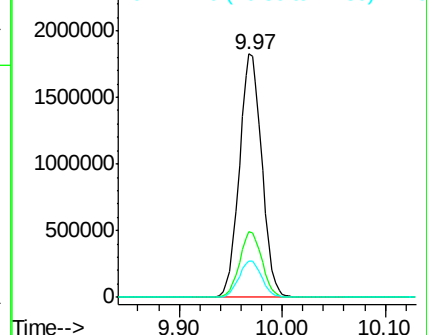
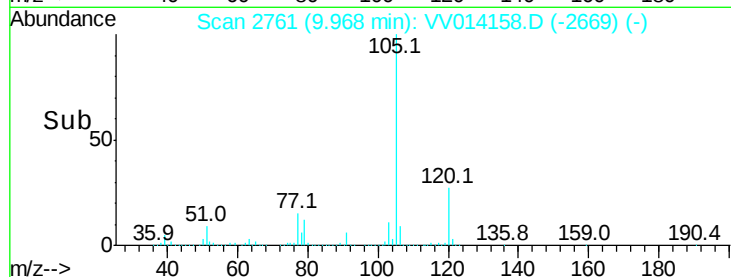
77 15.1 12.4 18.6



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: 25.043 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV014158.D

Acq: 23 Dec 2019 12:42

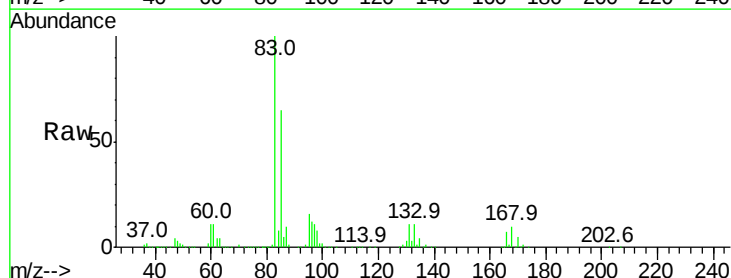
Tgt Ion: 83 Resp: 475635

Ion Ratio Lower Upper

83 100

85 65.2 46.3 86.1

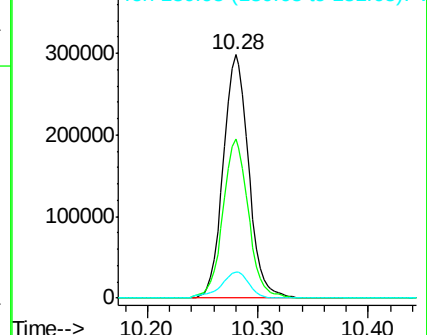
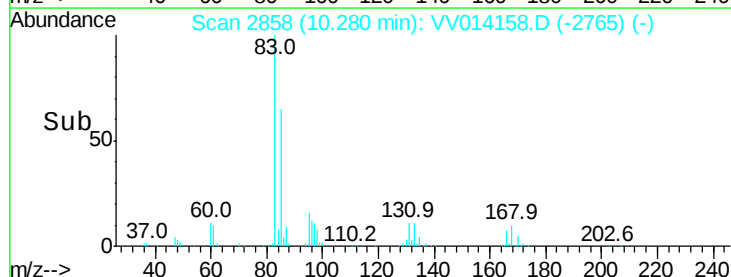
131 10.8 8.9 13.3

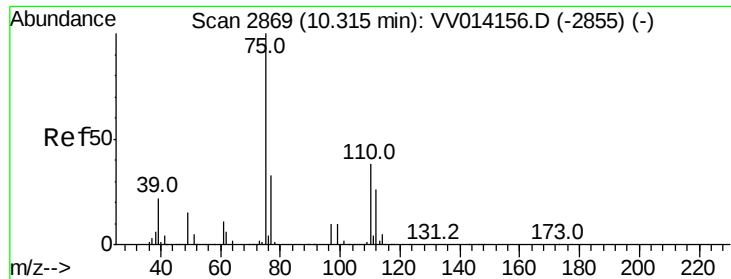


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 23.808 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV014158.D

Acq: 23 Dec 2019 12:42

Instrument :

MSVOA_V

ClientSampleId :

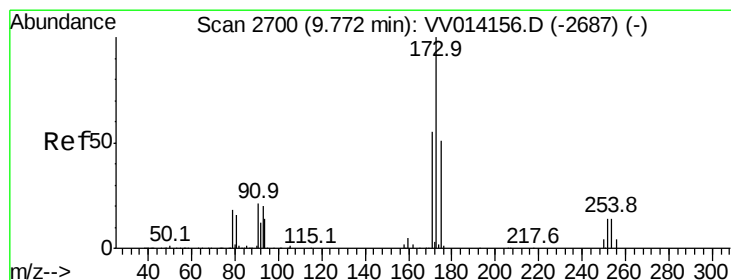
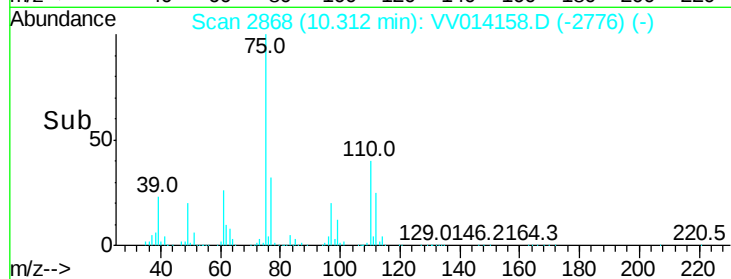
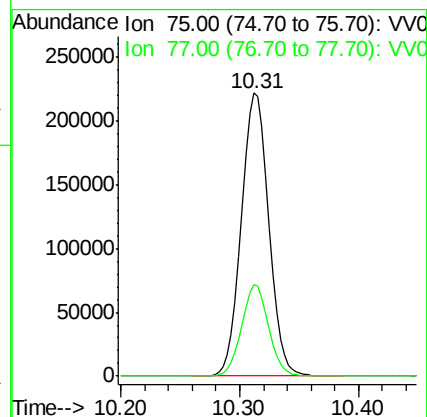
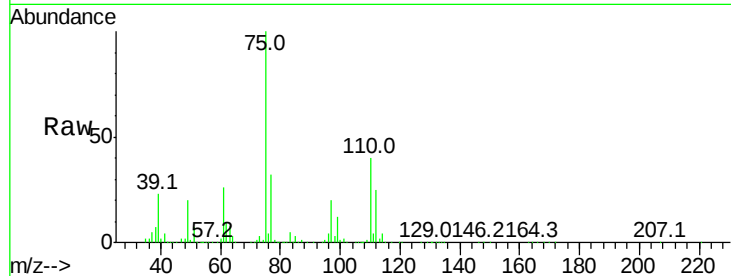
VSTD02031

Tgt Ion: 75 Resp: 354471

Ion Ratio Lower Upper

75 100

77 31.5 25.9 38.9



#61

Bromoform

Concen: 23.268 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VV014158.D

Acq: 23 Dec 2019 12:42

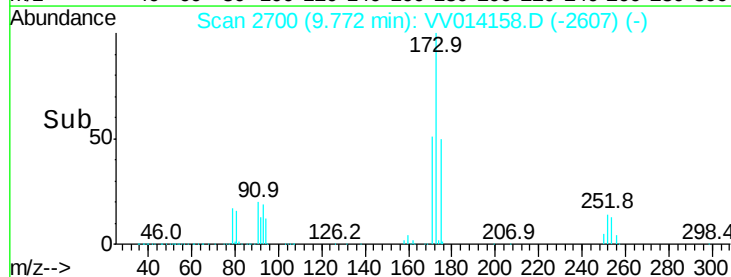
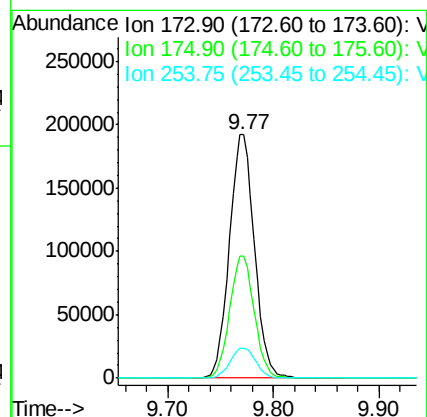
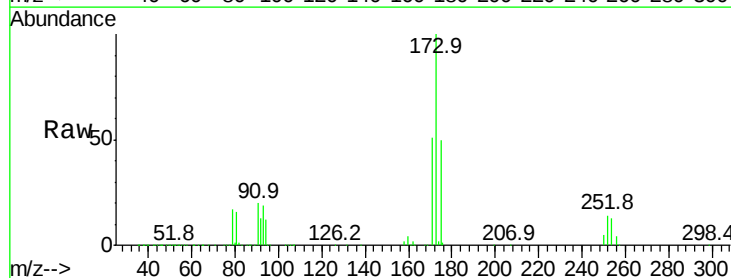
Tgt Ion: 173 Resp: 314750

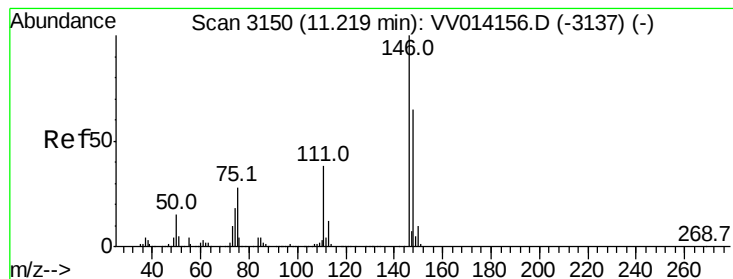
Ion Ratio Lower Upper

173 100

175 49.1 39.3 58.9

254 12.7 10.3 15.5





#62

1,3-Dichlorobenzene

Concen: 21.916 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. 0.00 min

Lab File: VV014158.D

Acq: 23 Dec 2019 12:42

Instrument :

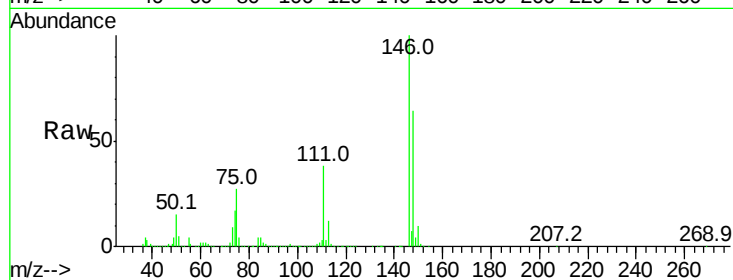
MSVOA_V

ClientSampleId :

VSTD02031

Tgt Ion:146 Resp: 1368517

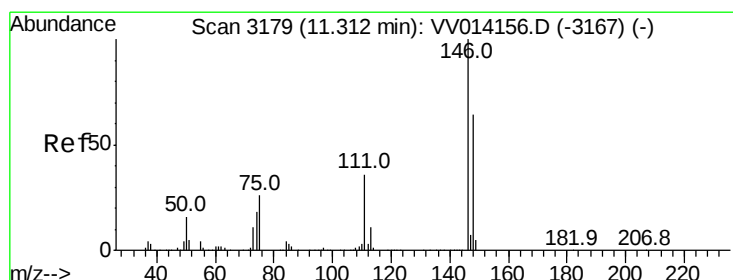
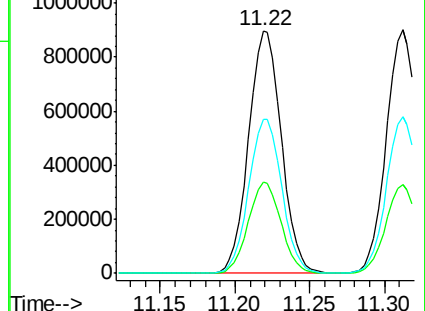
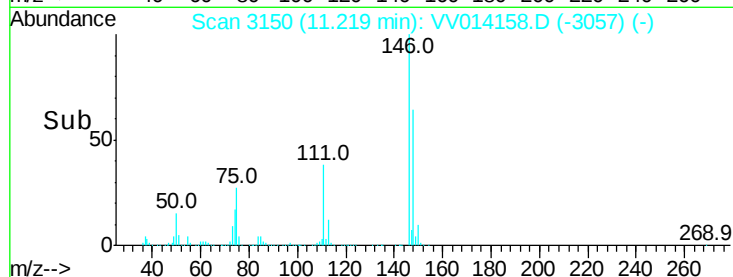
Ion	Ratio	Lower	Upper
146	100		
111	37.5	26.5	49.1
148	63.7	45.7	84.9



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



#63

1,4-Dichlorobenzene

Concen: 21.380 ug/L

RT: 11.31 min Scan# 3179

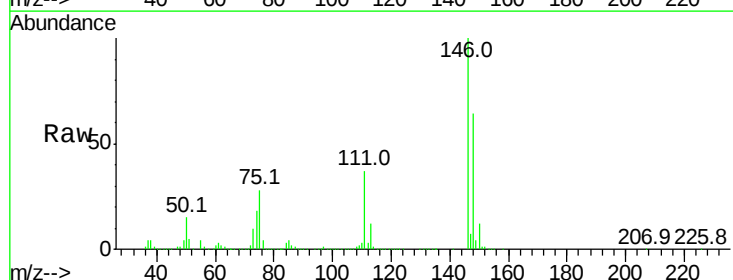
Delta R.T. -0.00 min

Lab File: VV014158.D

Acq: 23 Dec 2019 12:42

Tgt Ion:146 Resp: 1358755

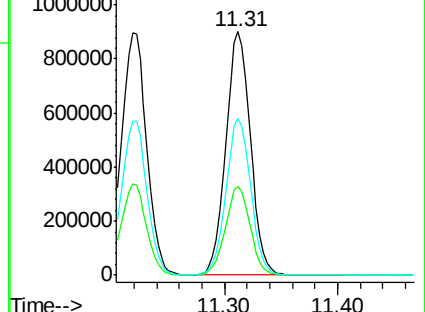
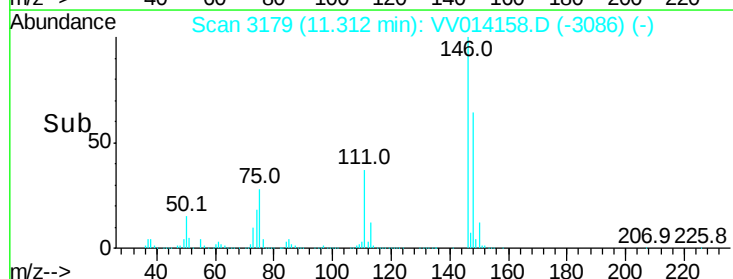
Ion	Ratio	Lower	Upper
146	100		
111	36.5	25.7	47.7
148	64.3	45.1	83.7

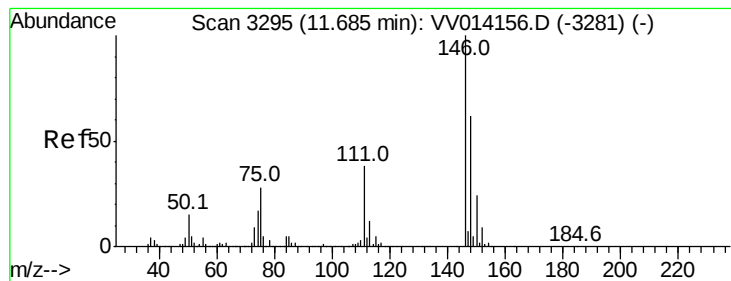


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 21.684 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. 0.00 min

Lab File: VV014158.D

Acq: 23 Dec 2019 12:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD02031

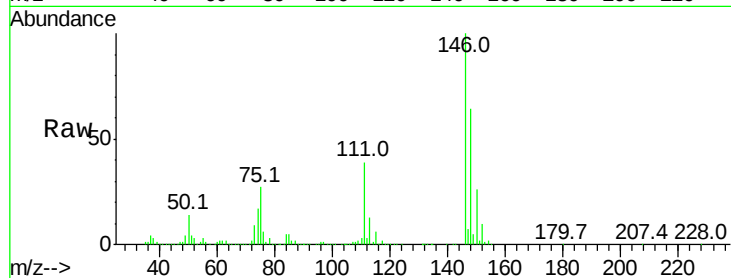
Tgt Ion:146 Resp: 1256613

Ion Ratio Lower Upper

146 100

111 38.8 30.7 46.1

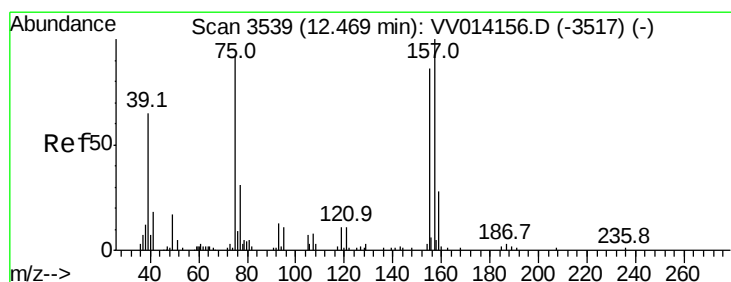
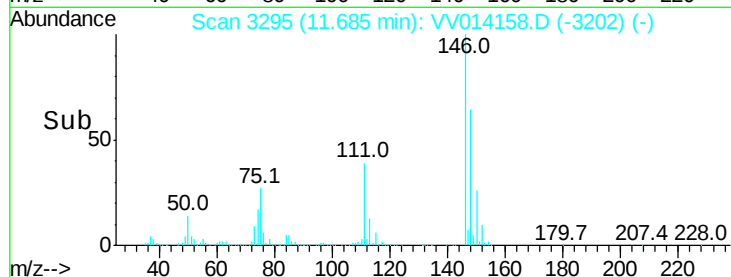
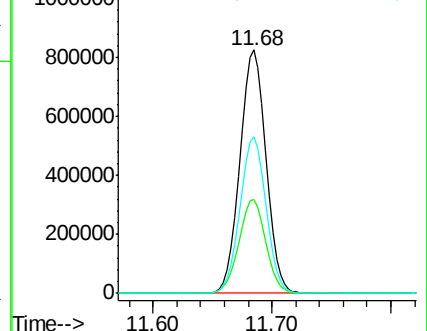
148 64.2 49.4 74.2



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: 22.410 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. 0.00 min

Lab File: VV014158.D

Acq: 23 Dec 2019 12:42

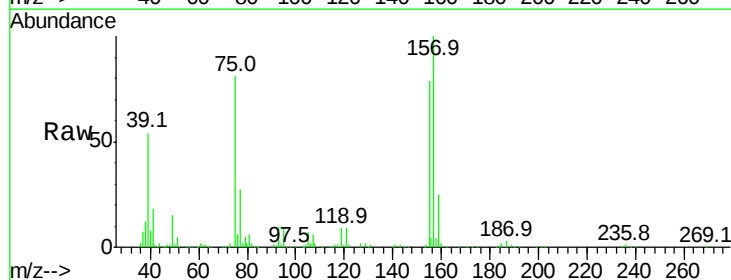
Tgt Ion: 75 Resp: 75472

Ion Ratio Lower Upper

75 100

155 96.7 75.0 112.6

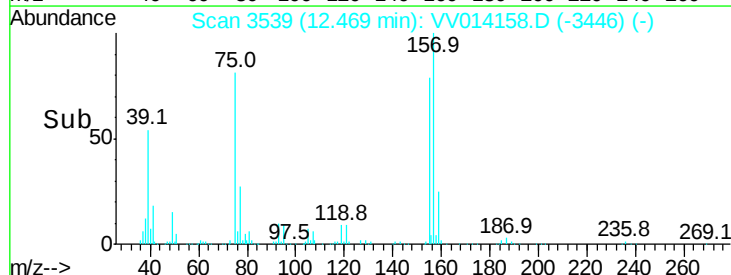
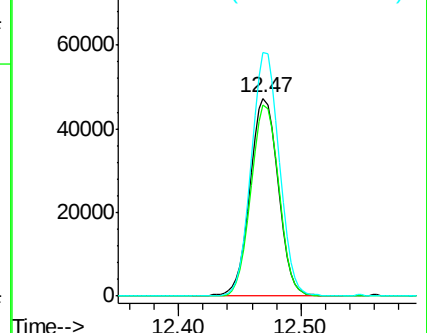
157 123.1 87.4 131.0

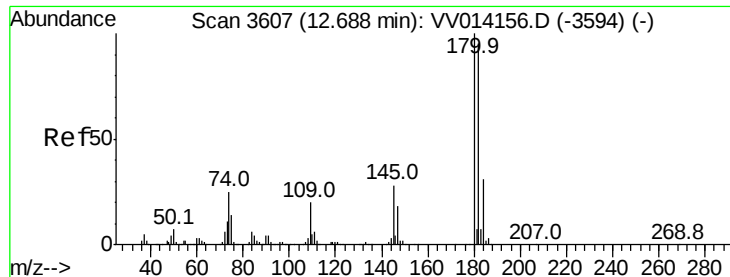


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

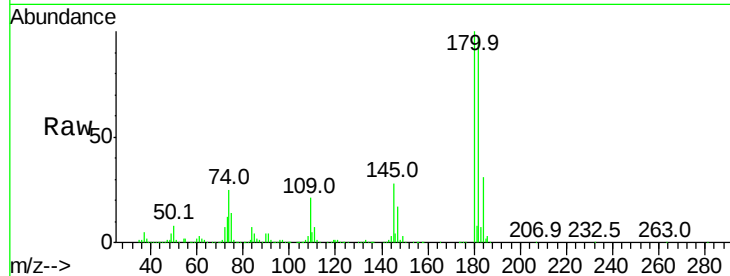




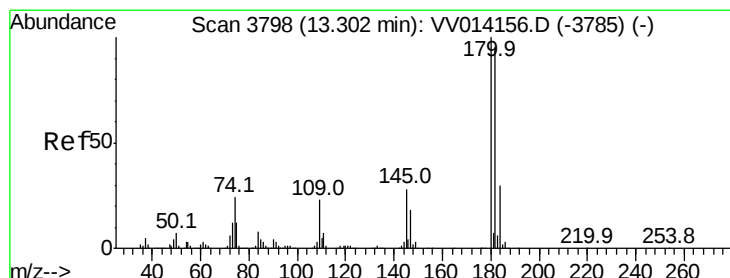
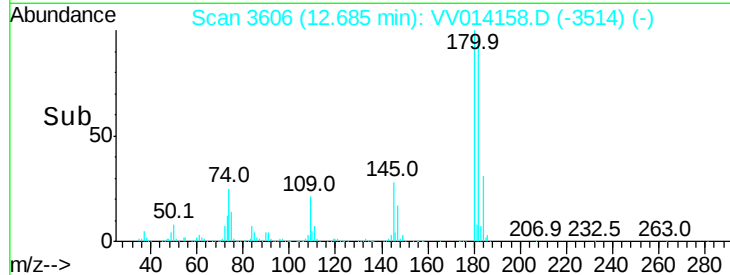
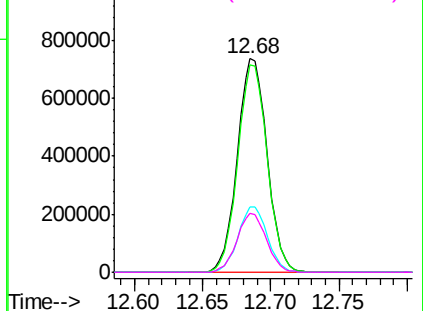
#67
 1,3,5-Trichlorobenzene
 Concen: 21.094 ug/L
 RT: 12.68 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VV014158.D
 Acq: 23 Dec 2019 12:42

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02031

Tgt Ion:	180	Resp:	1112546
Ion	Ratio	Lower	Upper
180	100		
182	96.3	75.9	113.9
184	30.3	24.4	36.6
145	27.4	21.8	32.6

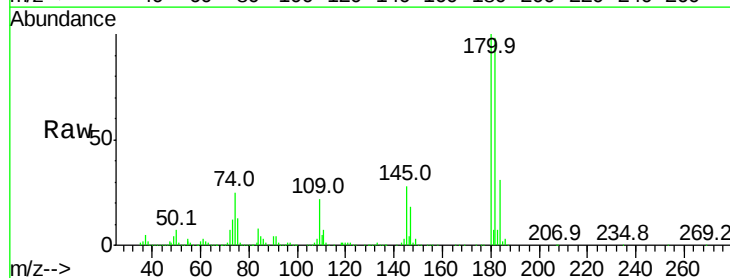


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

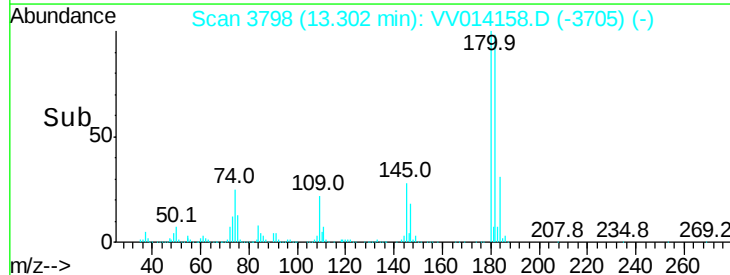
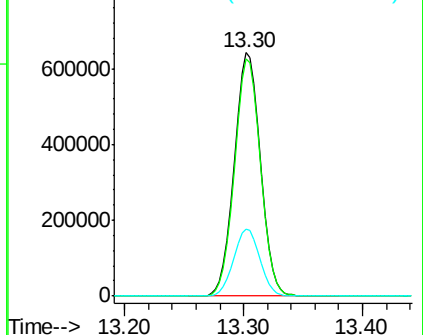


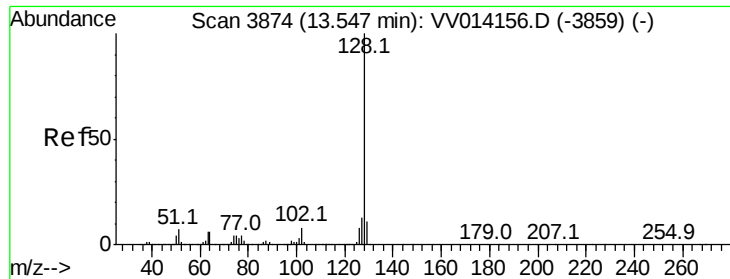
#68
 1,2,4-trichlorobenzene
 Concen: 22.571 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. 0.00 min
 Lab File: VV014158.D
 Acq: 23 Dec 2019 12:42

Tgt Ion:	180	Resp:	976327
Ion	Ratio	Lower	Upper
180	100		
182	97.0	76.9	115.3
145	27.6	22.0	33.0



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: 26.104 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. -0.00 min

Lab File: VV014158.D

Acq: 23 Dec 2019 12:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD02031

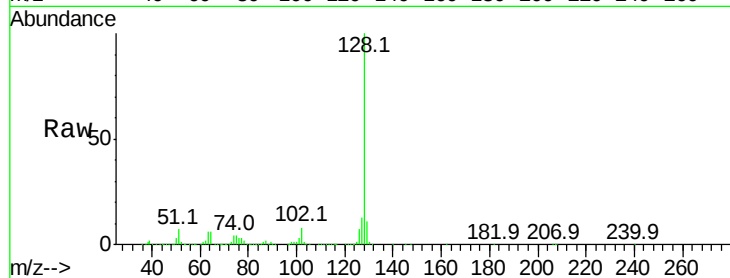
Tgt Ion:128 Resp: 1537487

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

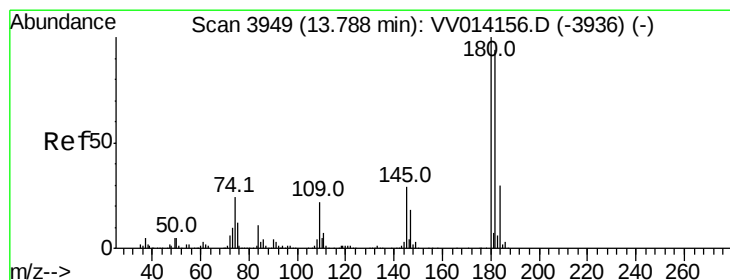
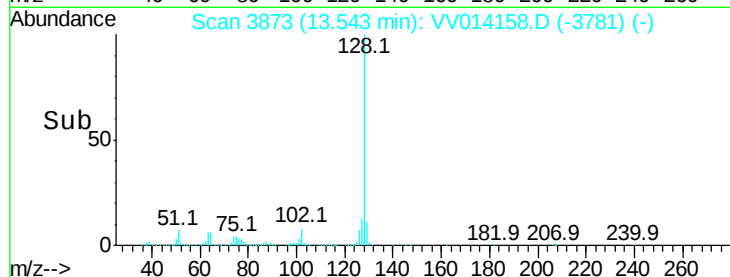
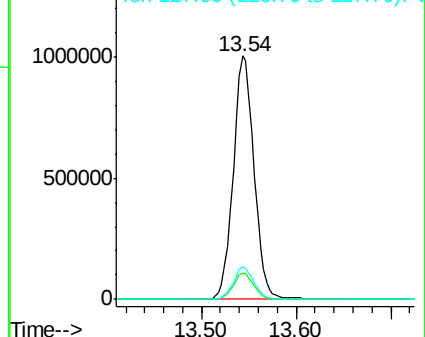
127 13.2 10.8 16.2



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: 23.160 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV014158.D

Acq: 23 Dec 2019 12:42

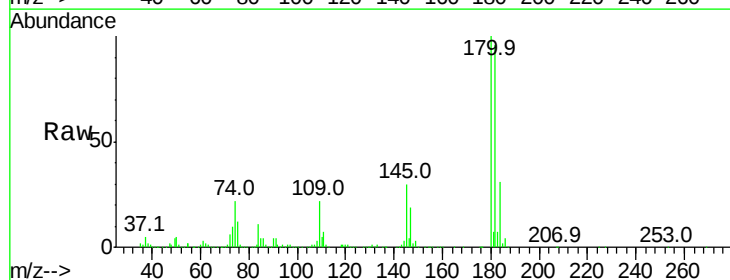
Tgt Ion:180 Resp: 912649

Ion Ratio Lower Upper

180 100

182 95.2 75.4 113.0

145 29.2 23.4 35.2



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

