

Data File : VV013110.D
Acq On : 11 Oct 2019 18:42
Operator : SY/MD
Sample : VSTD20062
Misc : 5.00ML/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD20062

Quant Time: Oct 12 00:38:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101119WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Oct 12 00:32:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	880500	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	837260	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	424965	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	1037741	199.07	ug/L	0.00
7) Chloroethane-d5	1.57	69	843873	183.93	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	1927314	192.63	ug/L	0.00
21) 2-Butanone-d5	3.92	46	1711465	333.98	ug/L	0.00
24) Chloroform-d	4.40	84	2026089	164.78	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	1252446	167.02	ug/L	0.00
32) Benzene-d6	5.10	84	4223119	184.16	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	1343872	169.44	ug/L	0.00
41) Toluene-d8	7.36	98	3877443	186.80	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	648287	194.16	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	1281976	418.80	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	1783203	175.69	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	1583603	164.34	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	1191165	196.256	ug/L	99
3) Chloromethane	1.25	50	1355701	208.468	ug/L	100
5) Vinyl chloride	1.33	62	1325355	206.161	ug/L	99
6) Bromomethane	1.53	94	483894	141.052	ug/L	98
8) Chloroethane	1.59	64	782543	197.042	ug/L	98
9) Trichlorofluoromethane	1.77	101	1676893	189.831	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	985288	182.546	ug/L	99
12) 1,1-Dichloroethene	2.14	96	975070	202.454	ug/L	96
13) Acetone	2.19	43	1247895	300.669	ug/L	100
14) Carbon disulfide	2.32	76	2871131	254.767	ug/L	100
15) Methyl Acetate	2.45	43	1261426	184.136	ug/L	99
16) Methylene chloride	2.53	84	1155425	186.517	ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	1086587	205.533	ug/L	98
18) Methyl tert-butyl Ether	2.80	73	3394167	192.174	ug/L	100
19) 1,1-Dichloroethane	3.23	63	2031408	183.434	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	1245896	194.690	ug/L	100
22) 2-Butanone	4.01	43	1881050	358.684	ug/L	97
23) Bromochloromethane	4.30	128	625500	193.024	ug/L	99
25) Chloroform	4.42	83	2027726	176.078	ug/L	99
27) 1,2-Dichloroethane	5.18	62	1549265	178.424	ug/L	100
29) Cyclohexane	4.73	56	1922938	227.743	ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	1699580	190.336	ug/L	99
31) Carbon tetrachloride	4.87	117	1526763	197.178	ug/L	99
33) Benzene	5.15	78	4606409	195.974	ug/L	100
34) Trichloroethene	5.96	95	1226202	183.195	ug/L	99
35) Methylcyclohexane	6.18	83	1977187	225.402	ug/L	99
37) 1,2-Dichloropropane	6.22	63	1209620	182.429	ug/L	100
38) Bromodichloromethane	6.55	83	1571273	184.839	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	1974046	210.042	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	3453479	380.898	ug/L	98

Data File : VV013110.D
Acq On : 11 Oct 2019 18:42
Operator : SY/MD
Sample : VSTD20062
Misc : 5.00ML/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD20062

Quant Time: Oct 12 00:38:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101119WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Oct 12 00:32:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	4877370	200.555	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	1716535	208.323	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	1134487	176.297	ug/L	99
46) Tetrachloroethene	8.02	164	993545	208.019	ug/L	97
48) 2-Hexanone	8.18	43	2640777	364.614	ug/L	98
49) Dibromochloromethane	8.29	129	1315318	194.307	ug/L	100
50) 1,2-Dibromoethane	8.39	107	1237545	196.899	ug/L	98
51) Chlorobenzene	8.92	112	3178452	192.610	ug/L	99
52) Ethylbenzene	9.05	91	5427205	204.367	ug/L	98
53) m,p-Xylene	9.18	106	2113056	214.899	ug/L	100
54) o-xylene	9.59	106	2093916	210.853	ug/L	97
55) Styrene	9.60	104	3570344	214.137	ug/L	98
56) Isopropylbenzene	9.97	105	5387204	207.741	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	1735450	194.884	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	1473079	176.278	ug/L	100
61) Bromoform	9.77	173	1024482	195.297	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	2530965	190.633	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	2527549	186.023	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	2532447	182.198	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	404835	211.086	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	1901716	195.083	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	1809690	218.548	ug/L	99
69) Naphthalene	13.55	128	5380019	226.652	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	1855674	208.072	ug/L	99

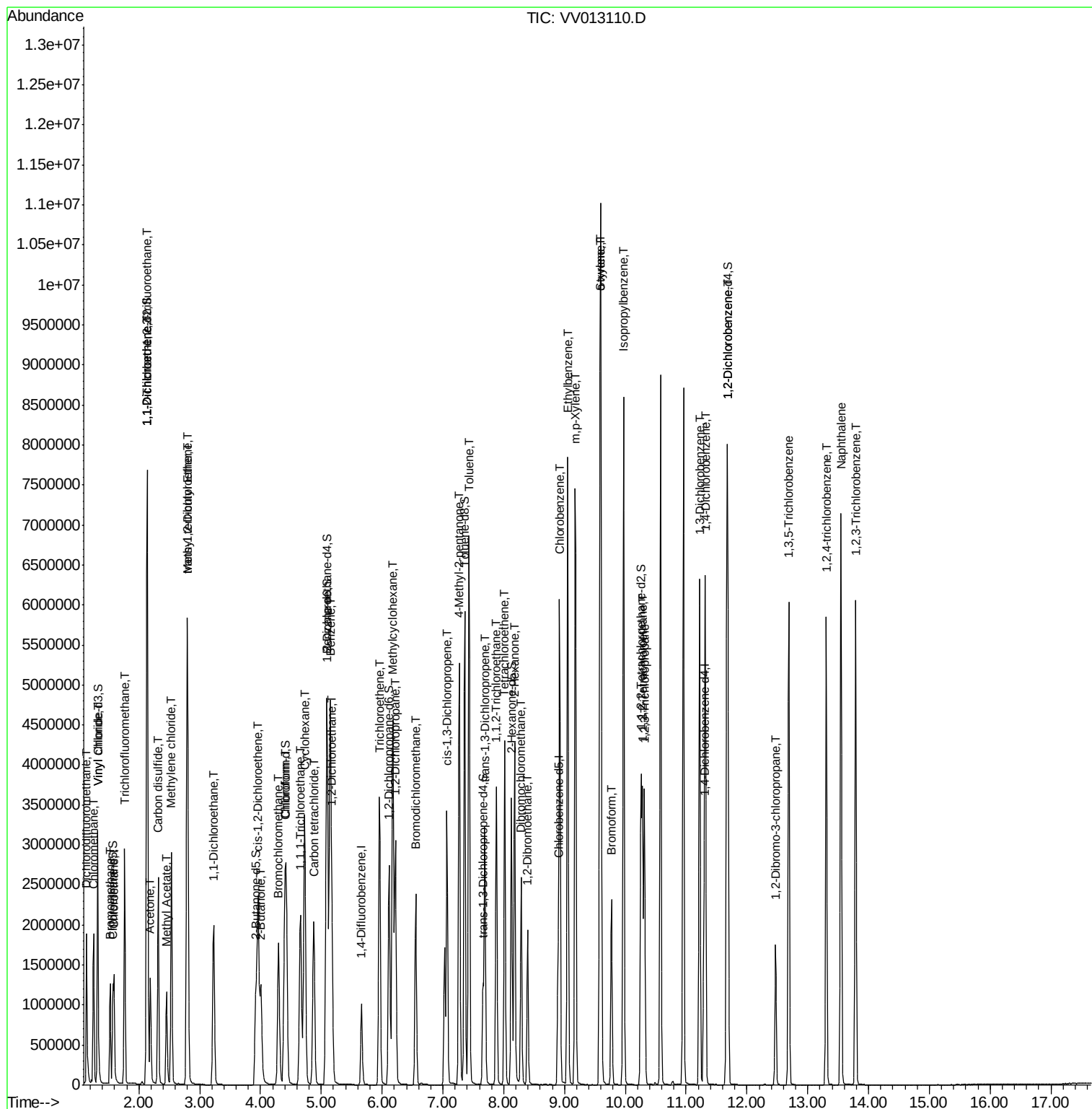
(#) = qualifier out of range (m) = manual integration (+) = signals summed

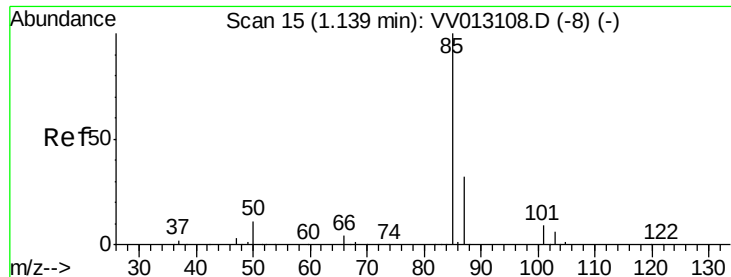
Data File : VV013110.D

```
Acq On       : 11 Oct 2019   18:42
Operator     : SY/MD
Sample       : VSTD20062
Misc         : 5.00ML/MSV0A_V/WATER
ALS Vial     : 7      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
VSTD20062

Quant Time: Oct 12 00:38:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101119WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Oct 12 00:32:10 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 196.256 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV013110.D

Acq: 11 Oct 2019 18:42

Instrument :

MSVOA_V

ClientSampleId :

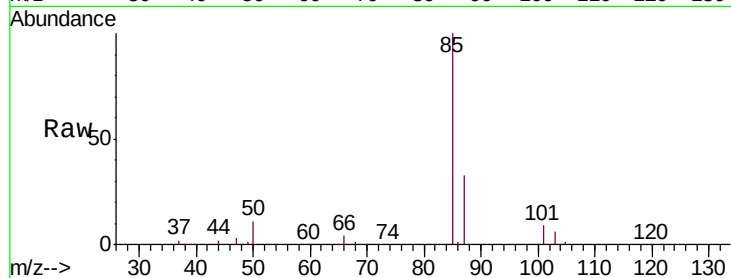
VSTD20062

Tgt Ion: 85 Resp: 1191165

Ion Ratio Lower Upper

85 100

87 32.6 25.6 38.4



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

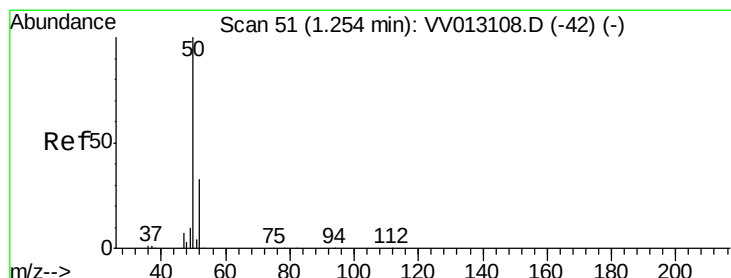
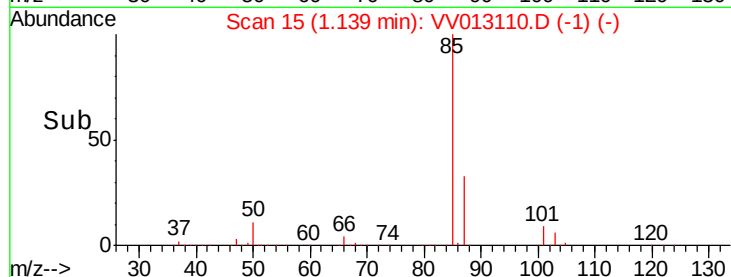
400000

200000

0

Time-->

1.10 1.15 1.20 1.25



#3

Chloromethane

Concen: 208.468 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV013110.D

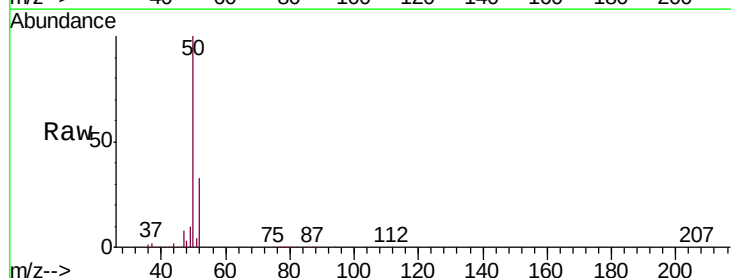
Acq: 11 Oct 2019 18:42

Tgt Ion: 50 Resp: 1355701

Ion Ratio Lower Upper

50 100

52 33.0 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

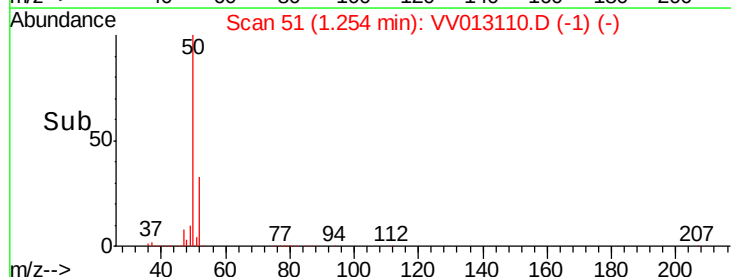
1000000

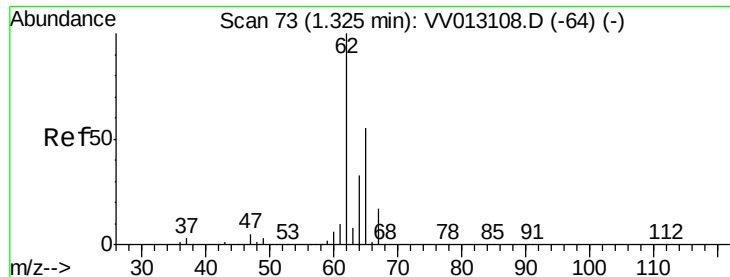
500000

0

Time-->

1.20 1.25 1.30





#5

Vinyl chloride

Concen: 206.161 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV013110.D

Acq: 11 Oct 2019 18:42

Instrument :

MSVOA_V

ClientSampleId :

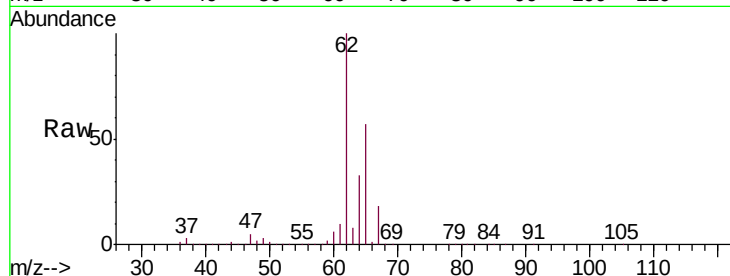
VSTD20062

Tgt Ion: 62 Resp: 1325355

Ion Ratio Lower Upper

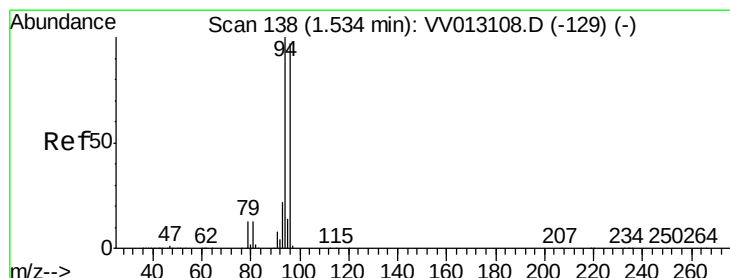
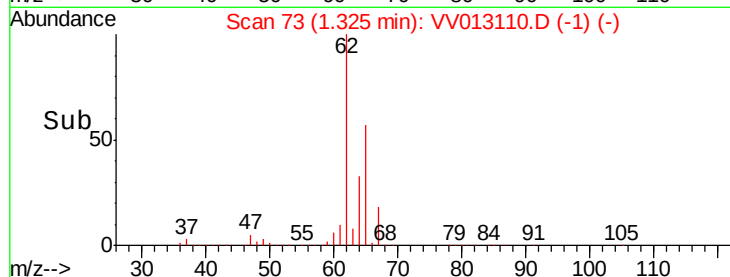
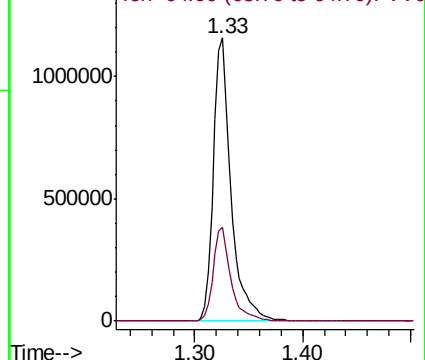
62 100

64 33.2 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 141.052 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.01 min

Lab File: VV013110.D

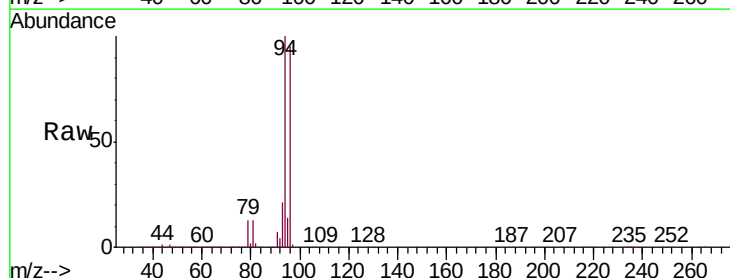
Acq: 11 Oct 2019 18:42

Tgt Ion: 94 Resp: 483894

Ion Ratio Lower Upper

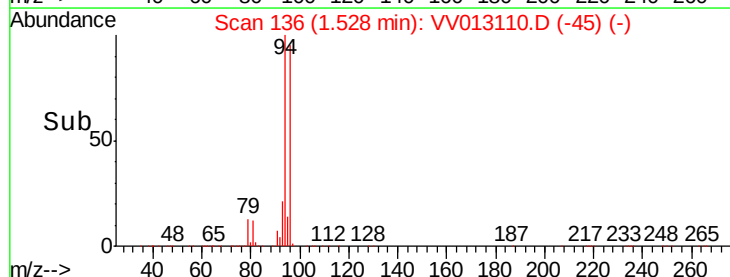
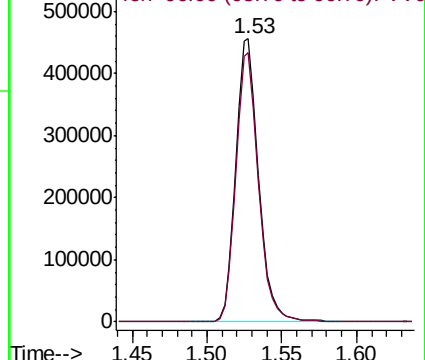
94 100

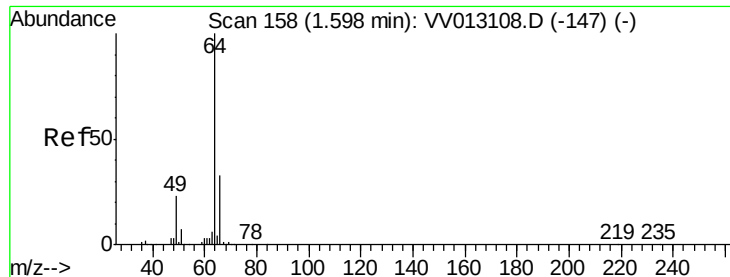
96 95.0 68.0 126.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 197.042 ug/L

RT: 1.59 min Scan# 155

Delta R.T. -0.01 min

Lab File: VV013110.D

Acq: 11 Oct 2019 18:42

Instrument :

MSVOA_V

ClientSampleId :

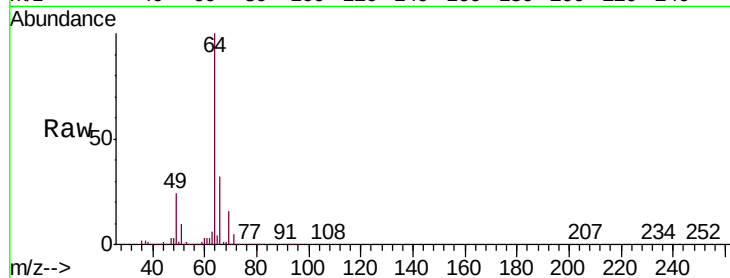
VSTD20062

Tgt Ion: 64 Resp: 782543

Ion Ratio Lower Upper

64 100

66 32.0 23.0 42.8



Abundance Ion 64.00 (63.70 to 64.70): VV013110.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV013110.D (-147) (-)

1.59

600000

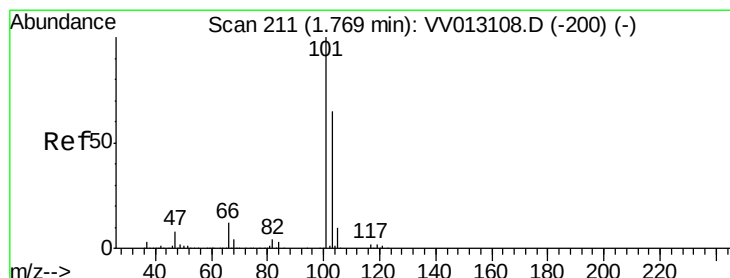
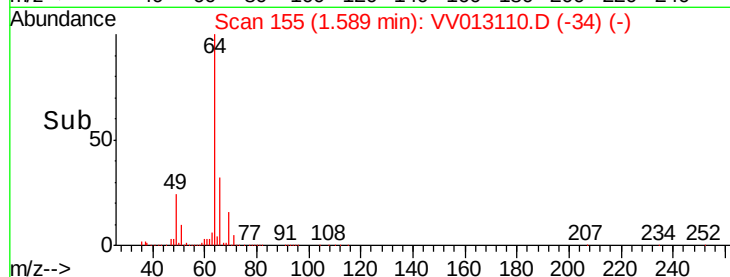
400000

200000

0

1.55 1.60 1.65 1.70

Time-->



#9

Trichlorofluoromethane

Concen: 189.831 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV013110.D

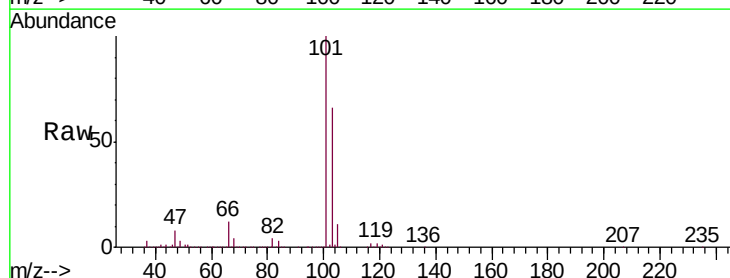
Acq: 11 Oct 2019 18:42

Tgt Ion: 101 Resp: 1676893

Ion Ratio Lower Upper

101 100

103 65.0 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VV013110.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV013110.D (-200) (-)

1.77

1500000

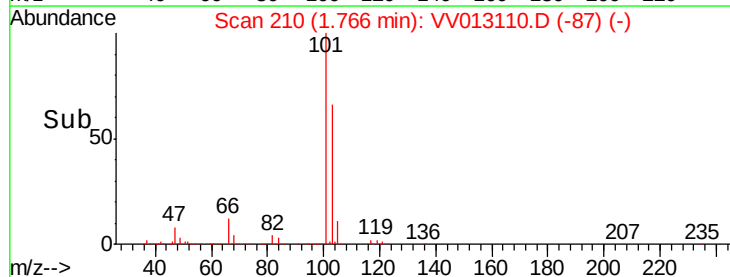
1000000

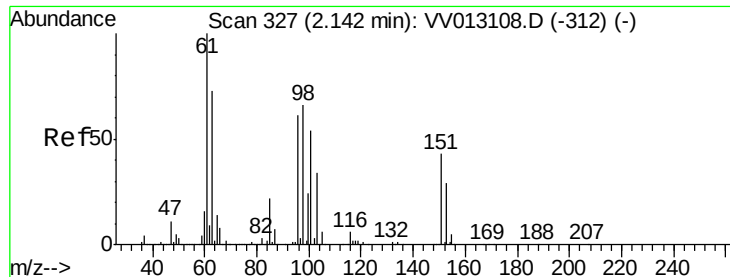
500000

0

1.70 1.80 1.90

Time-->





#10

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

Concen: 182.546 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV013110.D

Acq: 11 Oct 2019 18:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD20062

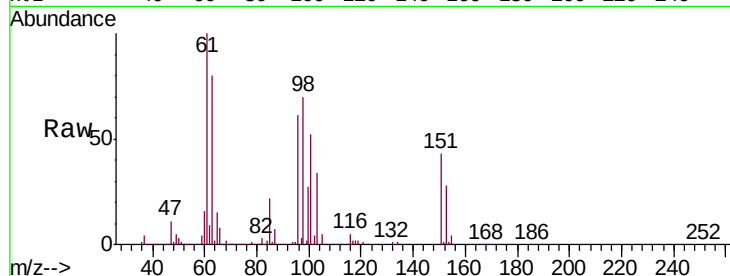
Tgt Ion:101 Resp: 985288

Ion Ratio Lower Upper

101 100

85 41.4 32.9 49.3

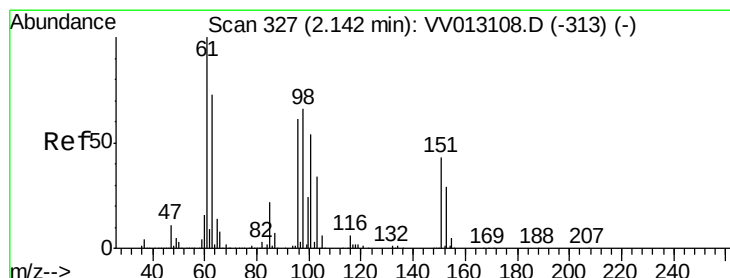
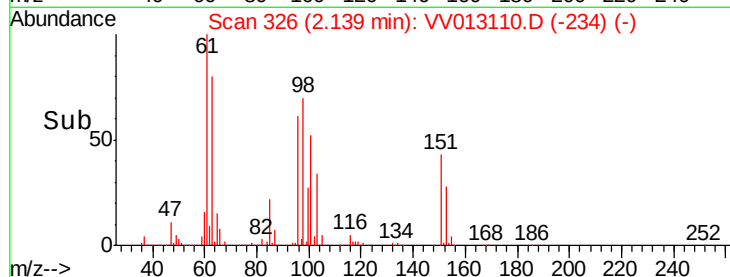
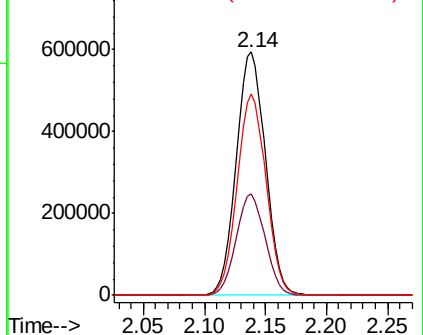
151 81.8 64.9 97.3



Abundance Ion 101.00 (100.70 to 101.70): VV013110.D (-234) (-)

Ion 85.00 (84.70 to 85.70): VV013110.D (-234) (-)

Ion 151.00 (150.70 to 151.70): VV013110.D (-234) (-)



#12

1,1-Dichloroethene

Concen: 202.454 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV013110.D

Acq: 11 Oct 2019 18:42

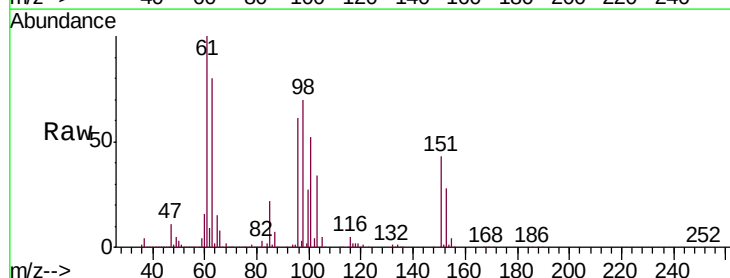
Tgt Ion: 96 Resp: 975070

Ion Ratio Lower Upper

96 100

61 165.0 115.7 214.9

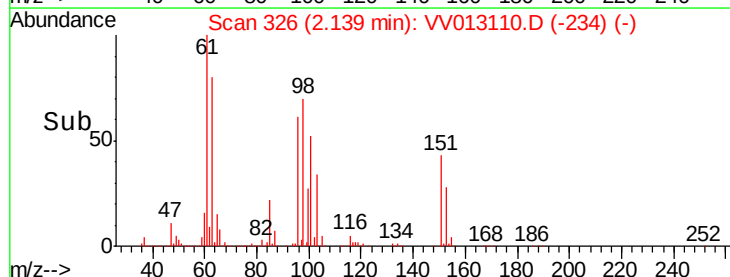
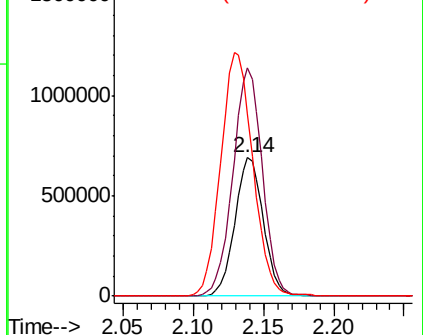
63 131.3 84.3 156.5

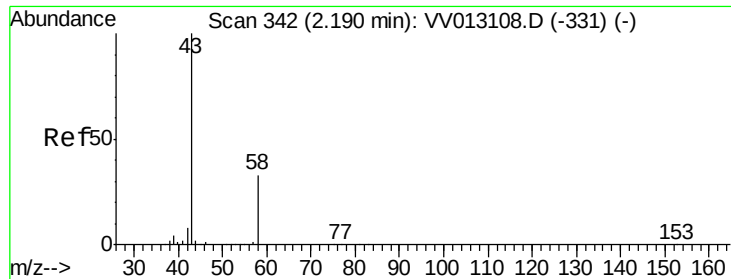


Abundance Ion 96.00 (95.70 to 96.70): VV013110.D (-234) (-)

Ion 61.00 (60.70 to 61.70): VV013110.D (-234) (-)

Ion 63.00 (62.70 to 63.70): VV013110.D (-234) (-)





#13

Acetone

Concen: 300.669 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV013110.D

Acq: 11 Oct 2019 18:42

Instrument :

MSVOA_V

ClientSampleId :

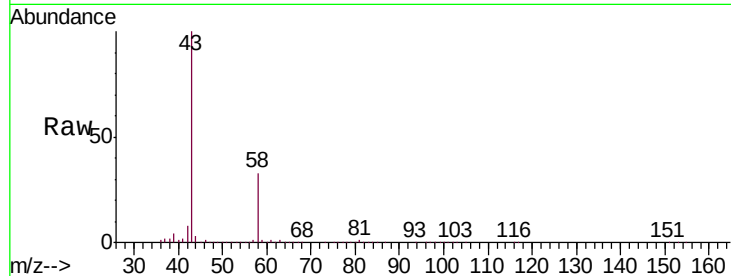
VSTD20062

Tgt Ion: 43 Resp: 1247895

Ion Ratio Lower Upper

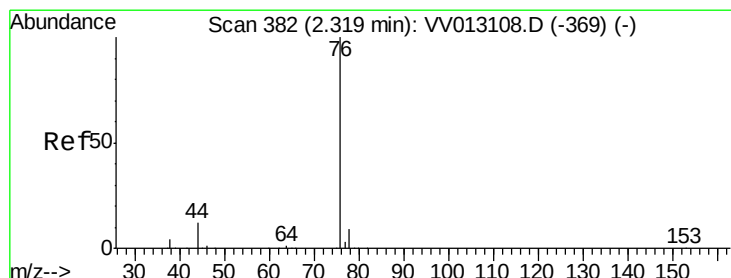
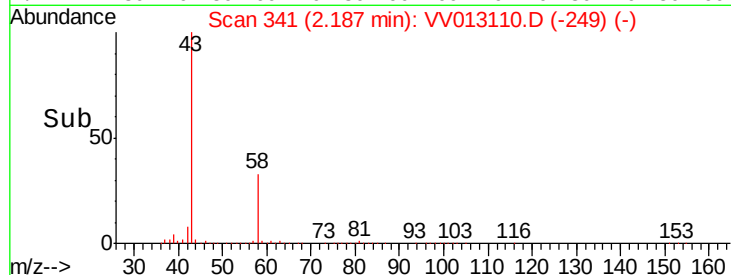
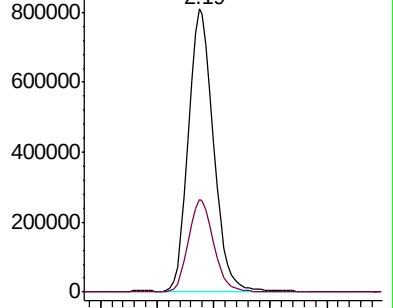
43 100

58 32.9 0.0 66.2



Abundance Ion 43.00 (42.70 to 43.70): VV013110.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV013110.D (-331) (-)



#14

Carbon disulfide

Concen: 254.767 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV013110.D

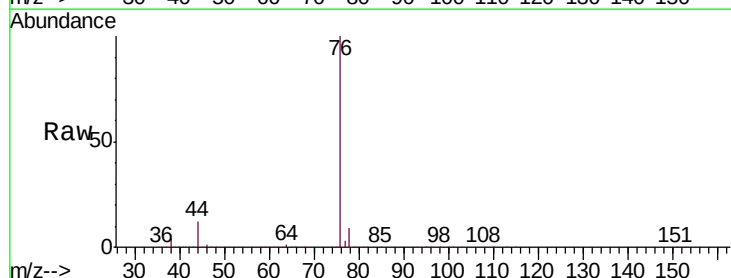
Acq: 11 Oct 2019 18:42

Tgt Ion: 76 Resp: 2871131

Ion Ratio Lower Upper

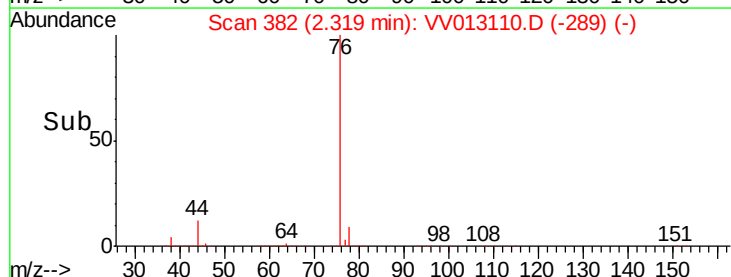
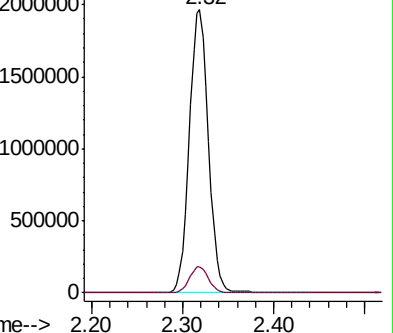
76 100

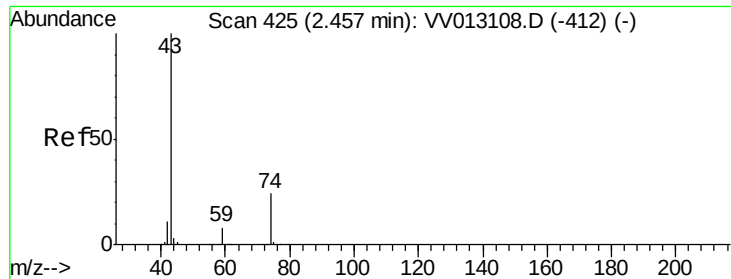
78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV013110.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV013110.D (-369) (-)

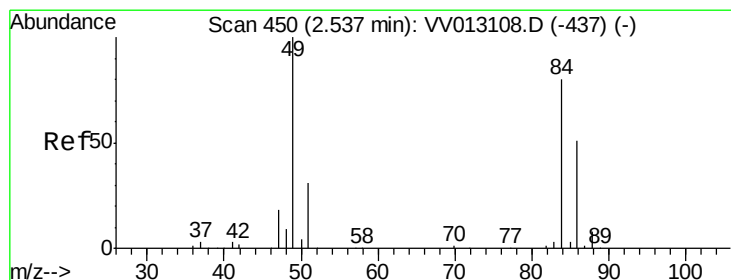
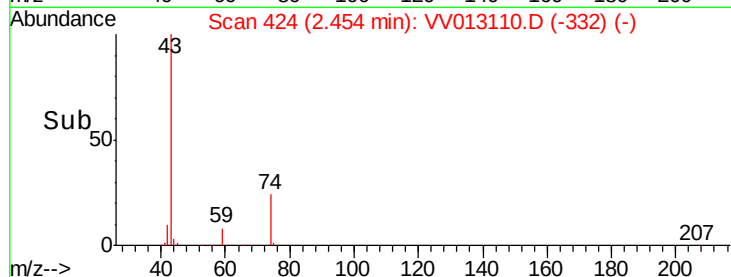
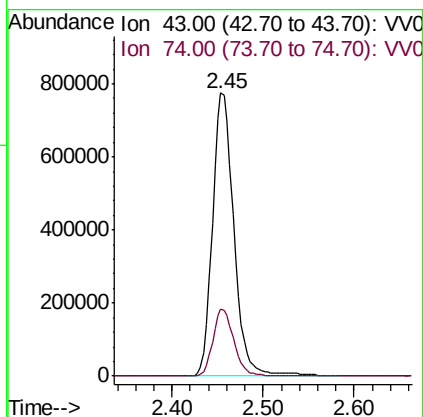
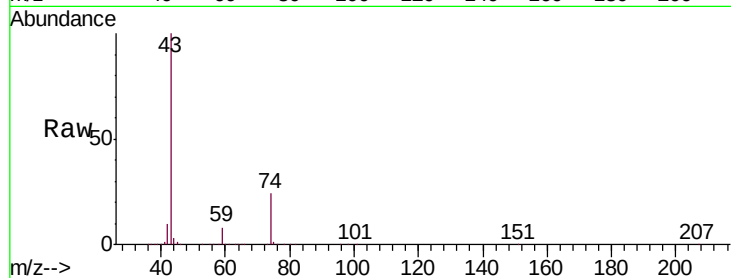




#15
Methyl Acetate
Concen: 184.136 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.00 min
Lab File: VV013110.D
Acq: 11 Oct 2019 18:42

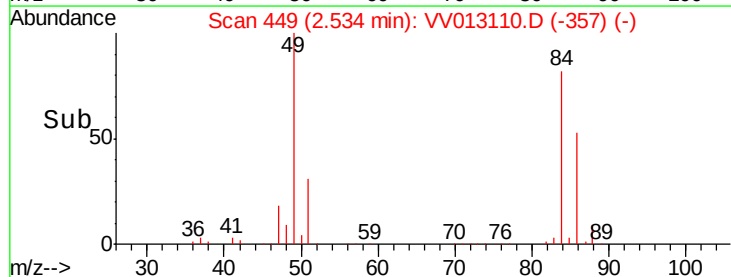
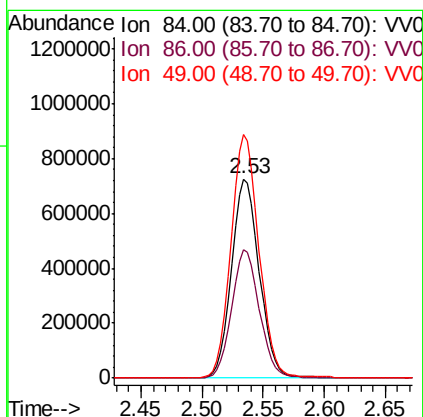
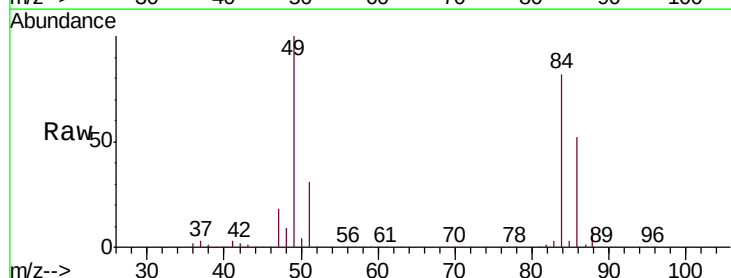
Instrument :
MSVOA_V
ClientSampleId :
VSTD20062

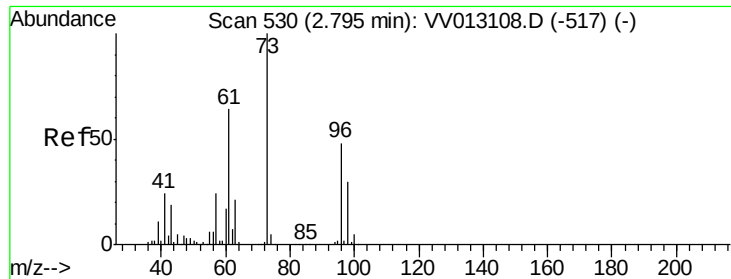
Tgt Ion: 43 Resp: 1261426
Ion Ratio Lower Upper
43 100
74 23.3 18.4 27.6



#16
Methylene chloride
Concen: 186.517 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV013110.D
Acq: 11 Oct 2019 18:42

Tgt Ion: 84 Resp: 1155425
Ion Ratio Lower Upper
84 100
86 64.3 45.1 83.9
49 122.4 87.8 163.0





#17

trans-1,2-Dichloroethene

Concen: 205.533 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV013110.D

Acq: 11 Oct 2019 18:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD20062

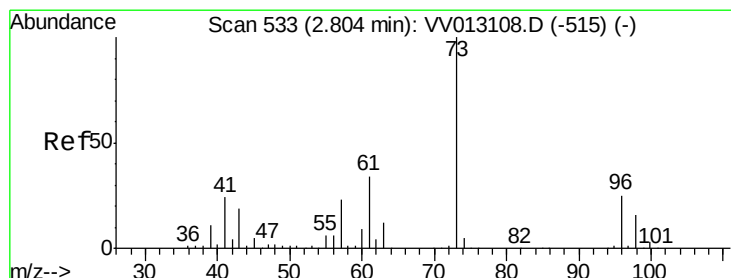
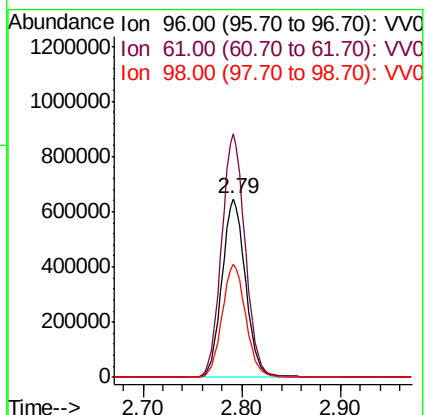
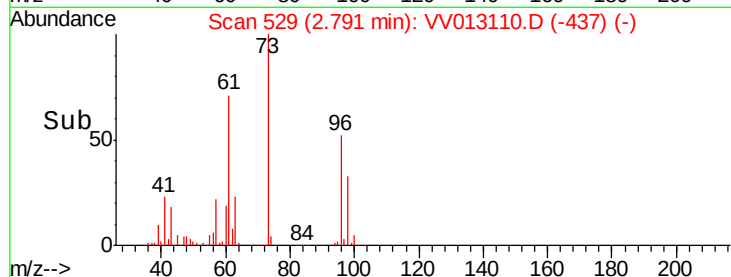
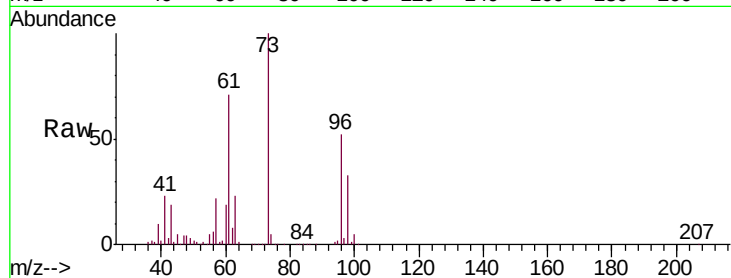
Tgt Ion: 96 Resp: 1086587

Ion Ratio Lower Upper

96 100

61 136.3 93.9 174.5

98 63.4 43.9 81.5



#18

Methyl tert-butyl Ether

Concen: 192.174 ug/L

RT: 2.80 min Scan# 532

Delta R.T. -0.00 min

Lab File: VV013110.D

Acq: 11 Oct 2019 18:42

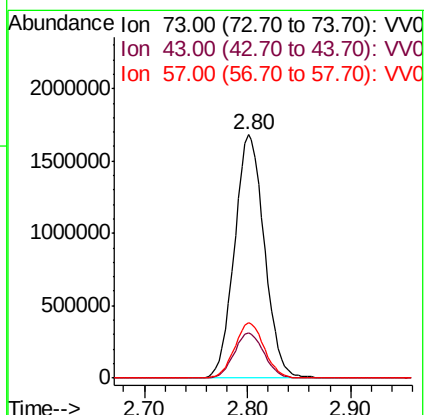
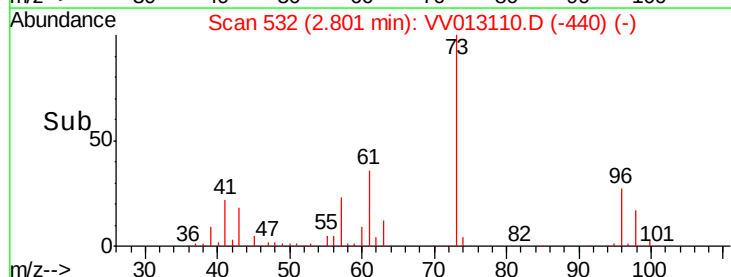
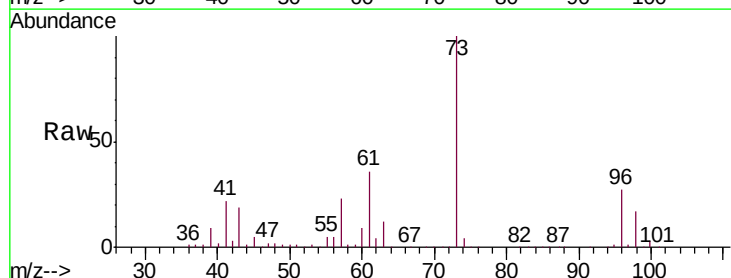
Tgt Ion: 73 Resp: 3394167

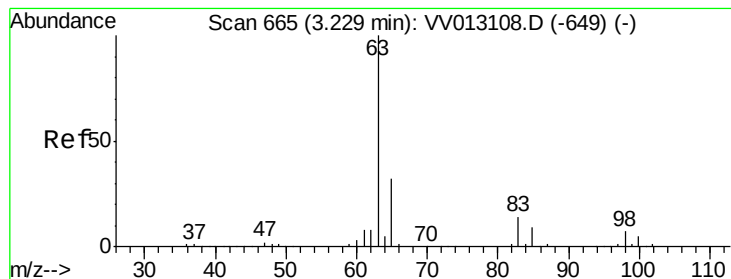
Ion Ratio Lower Upper

73 100

43 18.6 15.0 22.6

57 22.6 18.2 27.2





#19

1,1-Dichloroethane

Concen: 183.434 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV013110.D

Acq: 11 Oct 2019 18:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD20062

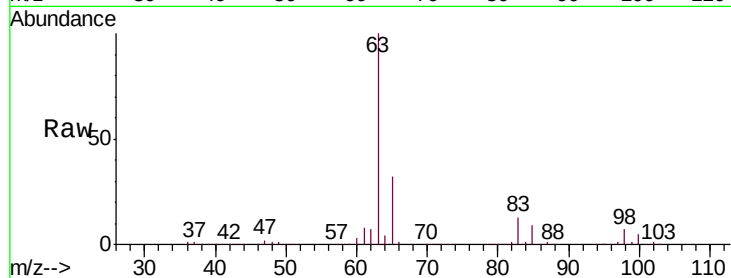
Tgt Ion: 63 Resp: 2031408

Ion Ratio Lower Upper

63 100

65 31.9 22.1 41.1

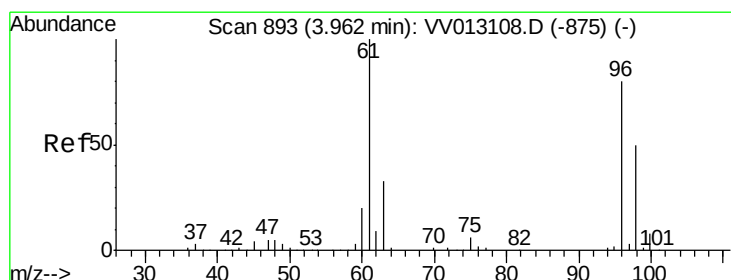
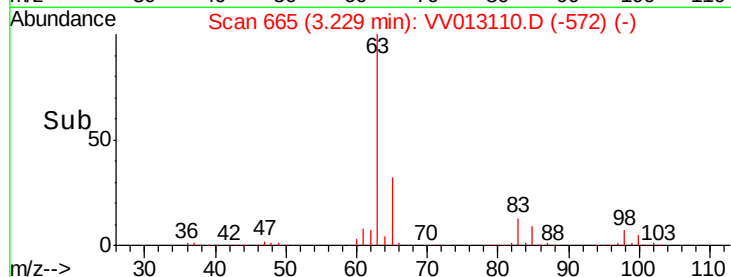
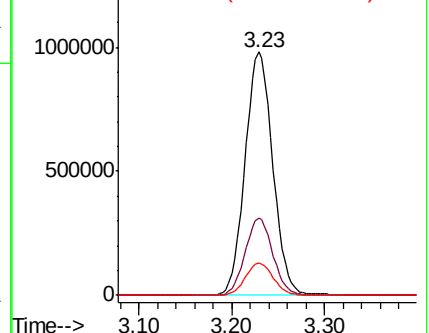
83 13.3 9.5 17.7



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 194.690 ug/L

RT: 3.96 min Scan# 893

Delta R.T. -0.00 min

Lab File: VV013110.D

Acq: 11 Oct 2019 18:42

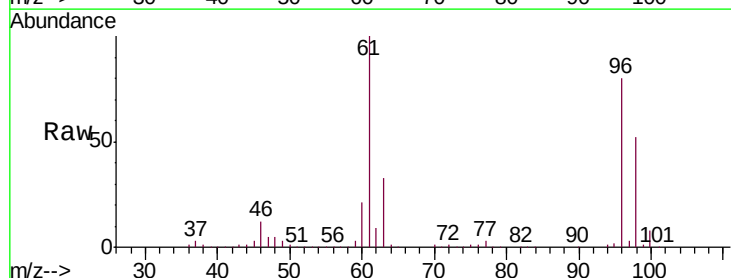
Tgt Ion: 96 Resp: 1245896

Ion Ratio Lower Upper

96 100

61 125.3 87.5 162.5

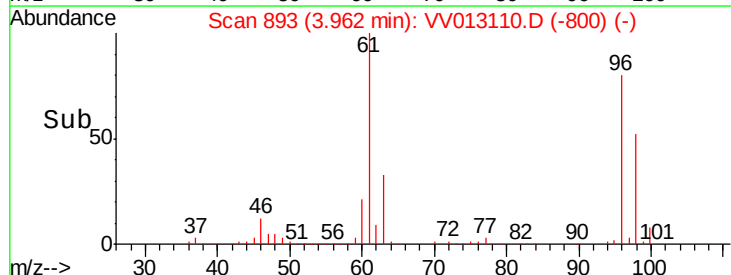
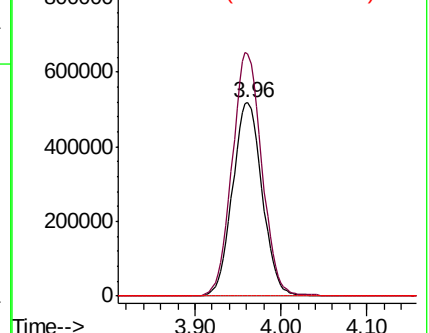
68 0.0 0.0 0.0

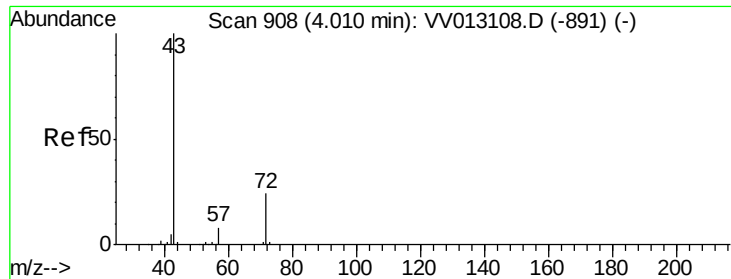


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 358.684 ug/L

RT: 4.01 min Scan# 907

Delta R.T. -0.00 min

Lab File: VV013110.D

Acq: 11 Oct 2019 18:42

Instrument :

MSVOA_V

ClientSampleId :

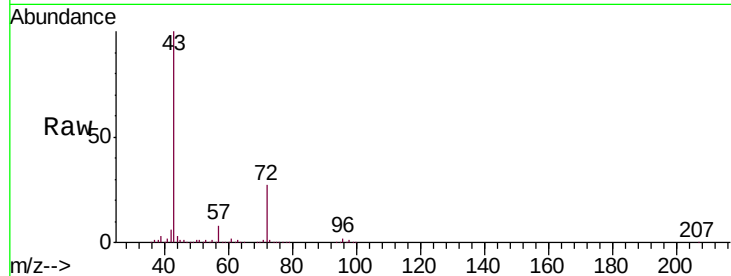
VSTD20062

Tgt Ion: 43 Resp: 1881050

Ion Ratio Lower Upper

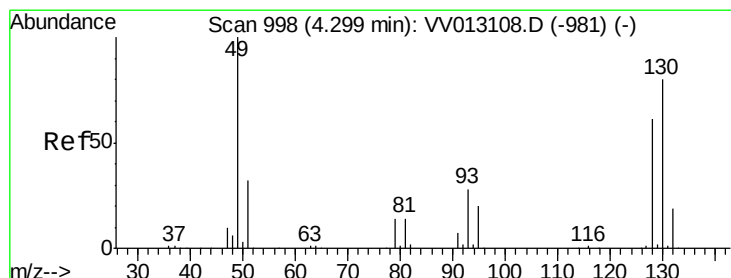
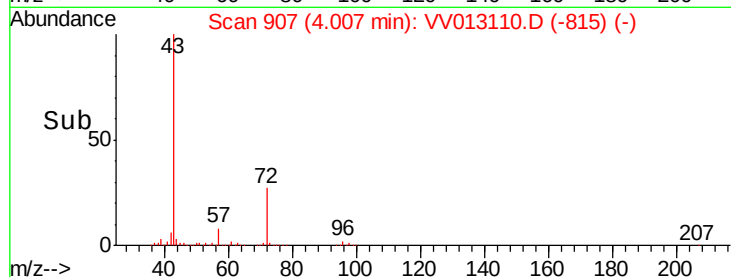
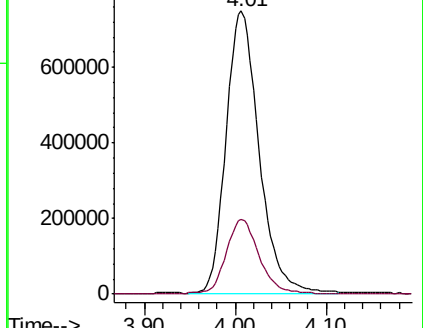
43 100

72 27.1 12.8 38.4



Abundance Ion 43.00 (42.70 to 43.70): VV013110.D (-907) (-)

Ion 72.00 (71.70 to 72.70): VV013110.D (-907) (-)



#23

Bromochloromethane

Concen: 193.024 ug/L

RT: 4.30 min Scan# 997

Delta R.T. -0.00 min

Lab File: VV013110.D

Acq: 11 Oct 2019 18:42

Tgt Ion: 128 Resp: 625500

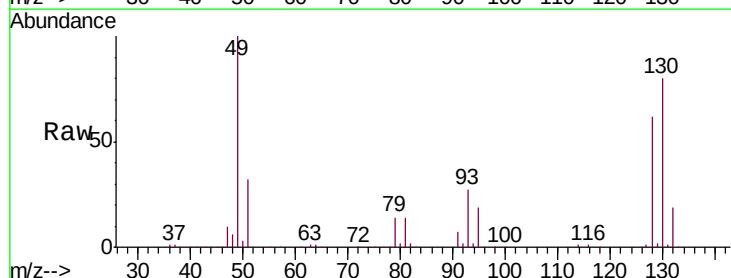
Ion Ratio Lower Upper

128 100

49 160.8 114.0 211.6

130 129.0 90.8 168.6

51 51.8 41.0 61.4

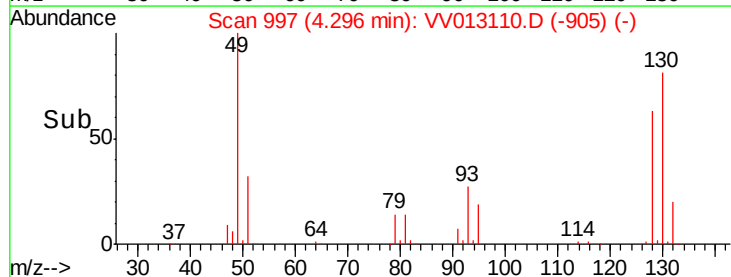
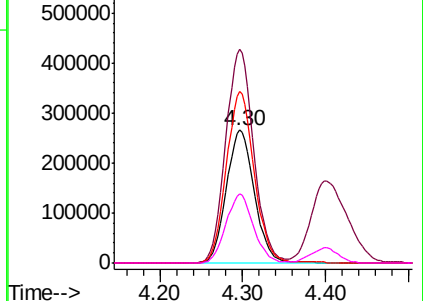


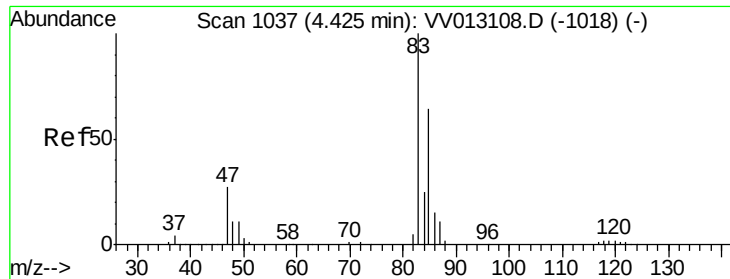
Abundance Ion 128.00 (127.70 to 128.70): VV013110.D (-997) (-)

Ion 49.00 (48.70 to 49.70): VV013110.D (-997) (-)

Ion 130.00 (129.70 to 130.70): VV013110.D (-997) (-)

Ion 51.00 (50.70 to 51.70): VV013110.D (-997) (-)

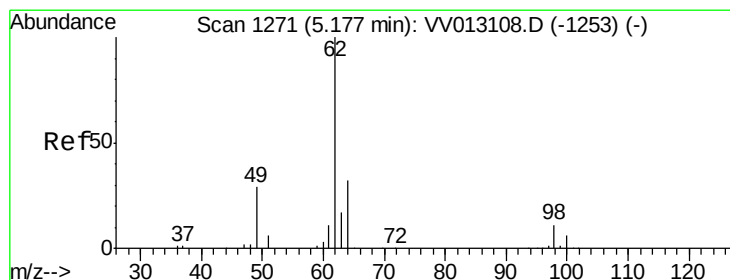
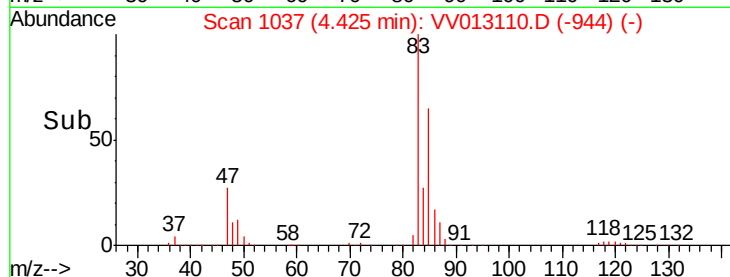
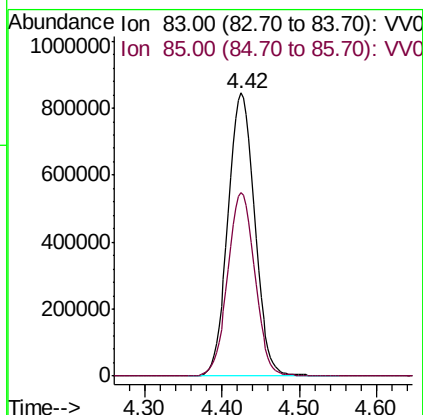
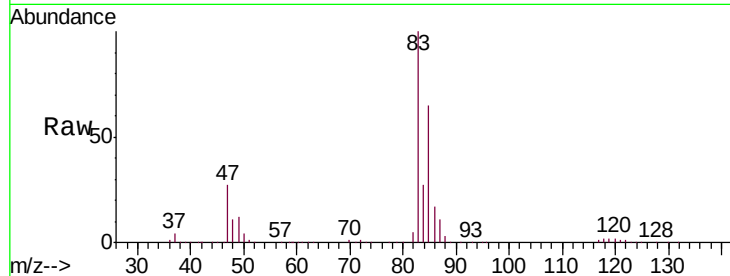




#25
Chloroform
Concen: 176.078 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV013110.D
Acq: 11 Oct 2019 18:42

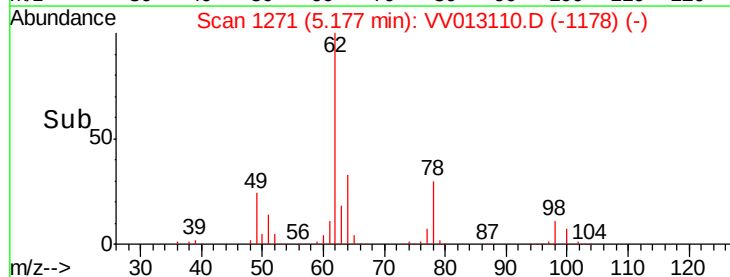
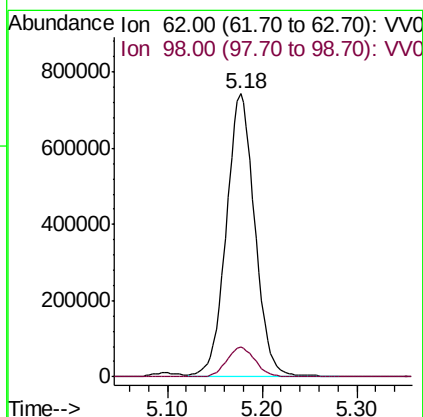
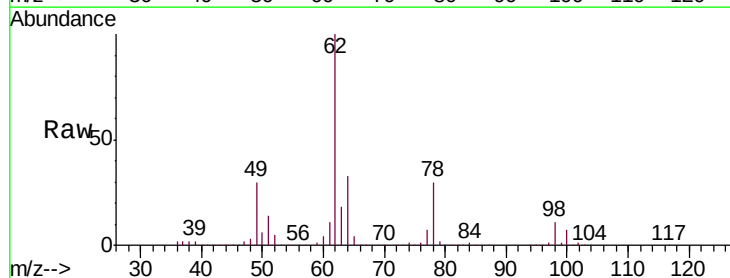
Instrument :
MSVOA_V
ClientSampleId :
VSTD20062

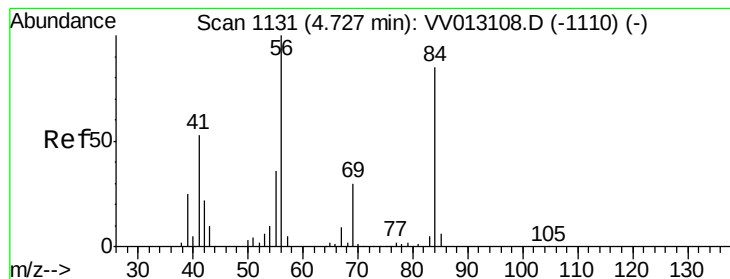
Tgt Ion: 83 Resp: 2027726
Ion Ratio Lower Upper
83 100
85 64.9 44.7 82.9



#27
1,2-Dichloroethane
Concen: 178.424 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV013110.D
Acq: 11 Oct 2019 18:42

Tgt Ion: 62 Resp: 1549265
Ion Ratio Lower Upper
62 100
98 10.5 8.3 12.5





#29

Cyclohexane

Concen: 227.743 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VV013110.D

Acq: 11 Oct 2019 18:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD20062

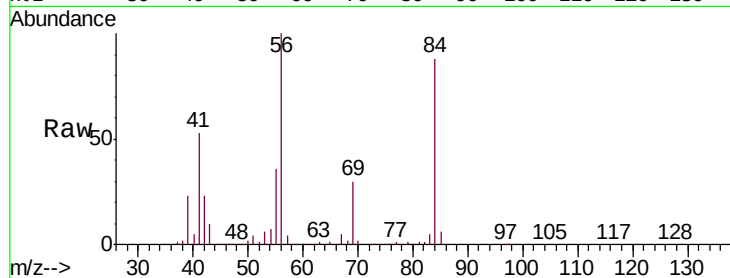
Tgt Ion: 56 Resp: 1922938

Ion Ratio Lower Upper

56 100

69 30.2 24.2 36.4

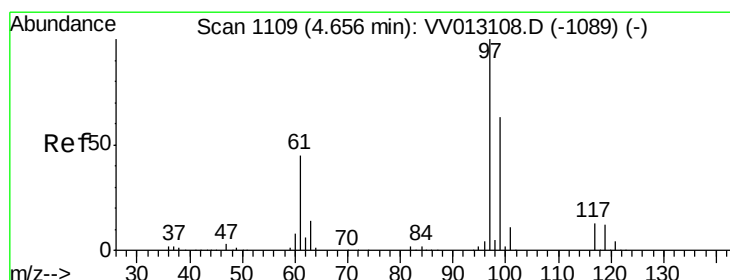
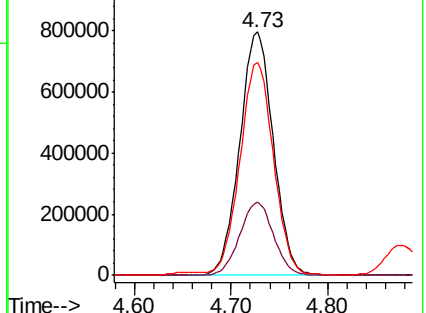
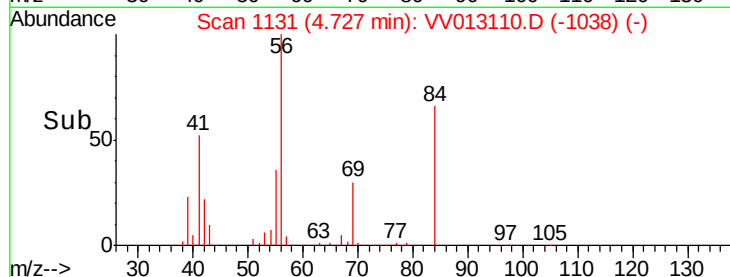
84 87.5 69.9 104.9



Abundance Ion 56.00 (55.70 to 56.70): VV013110.D (-1038) (-)

Ion 69.00 (68.70 to 69.70): VV013110.D (-1038) (-)

Ion 84.00 (83.70 to 84.70): VV013110.D (-1038) (-)



#30

1,1,1-Trichloroethane

Concen: 190.336 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VV013110.D

Acq: 11 Oct 2019 18:42

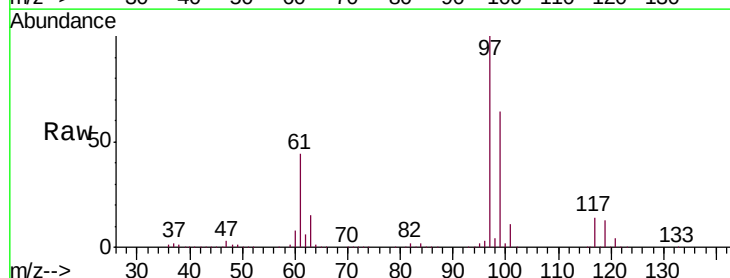
Tgt Ion: 97 Resp: 1699580

Ion Ratio Lower Upper

97 100

99 64.6 51.9 77.9

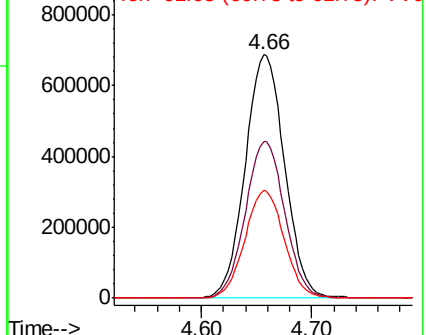
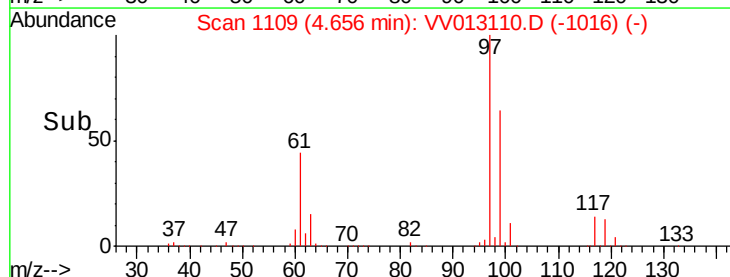
61 44.3 36.8 55.2

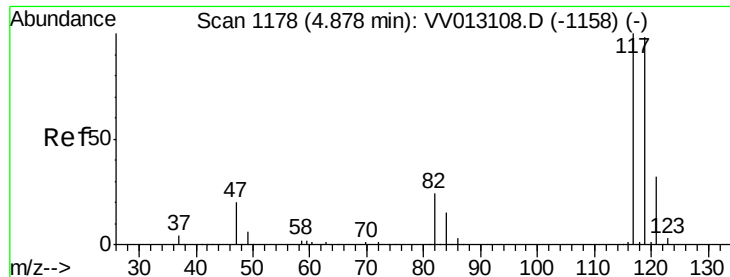


Abundance Ion 97.00 (96.70 to 97.70): VV013110.D (-1016) (-)

Ion 99.00 (98.70 to 99.70): VV013110.D (-1016) (-)

Ion 61.05 (60.75 to 61.75): VV013110.D (-1016) (-)

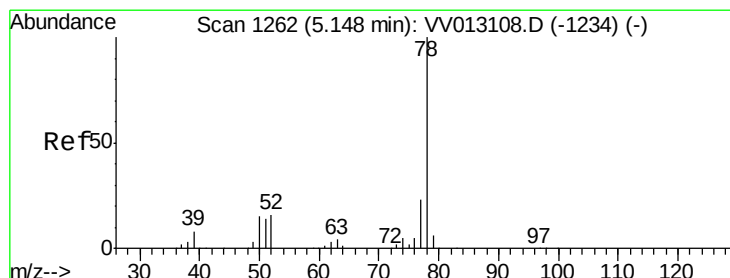
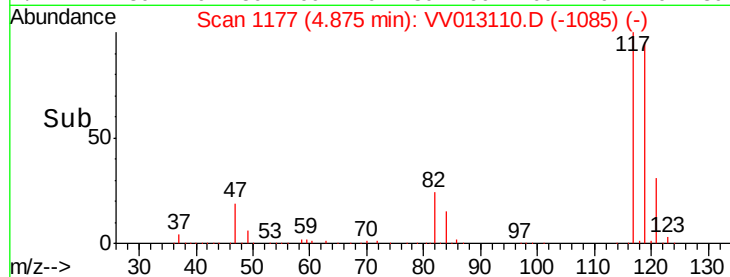
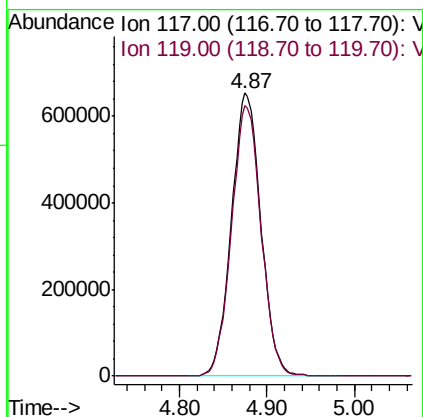
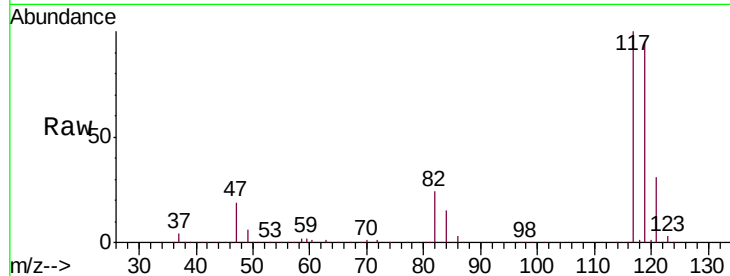




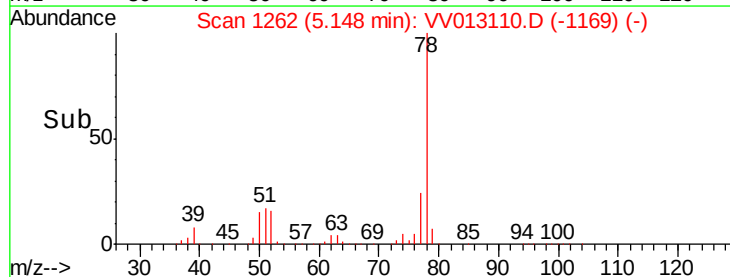
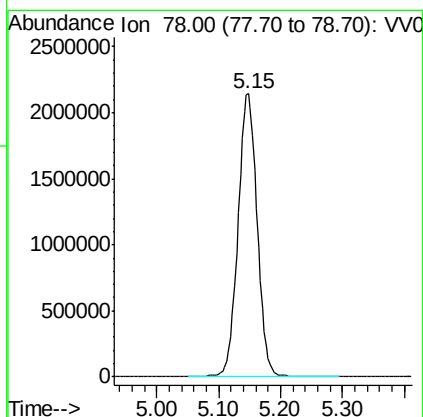
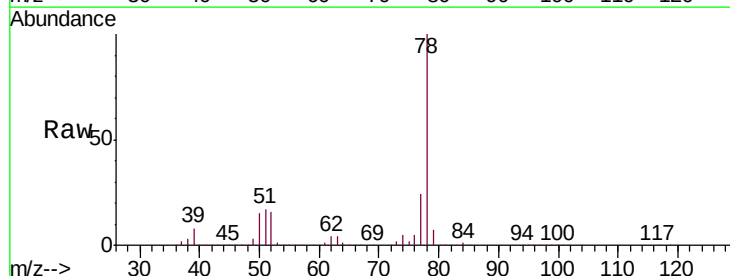
#31
Carbon tetrachloride
Concen: 197.178 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VV013110.D
Acq: 11 Oct 2019 18:42

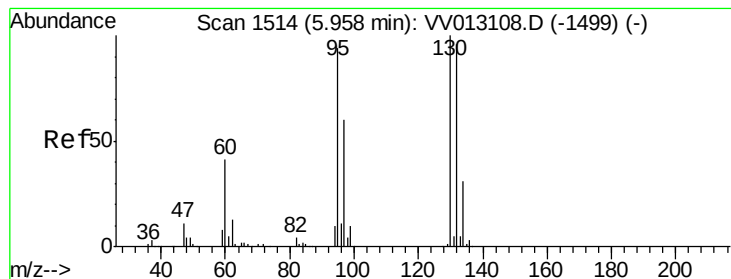
Instrument :
MSVOA_V
ClientSampleId :
VSTD20062

Tgt Ion:117 Resp: 1526763
Ion Ratio Lower Upper
117 100
119 95.9 77.4 116.0



#33
Benzene
Concen: 195.974 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VV013110.D
Acq: 11 Oct 2019 18:42
Tgt Ion: 78 Resp: 4606409





#34

Trichloroethene

Concen: 183.195 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV013110.D

Acq: 11 Oct 2019 18:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD20062

Tgt Ion: 95 Resp: 1226202

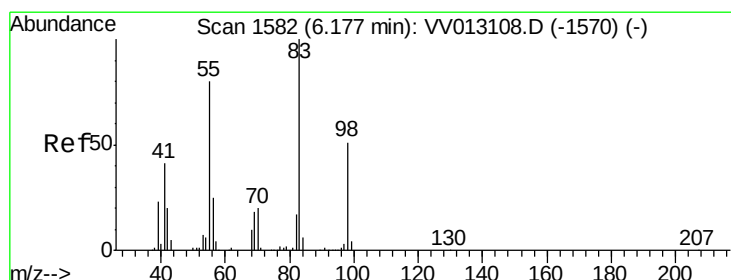
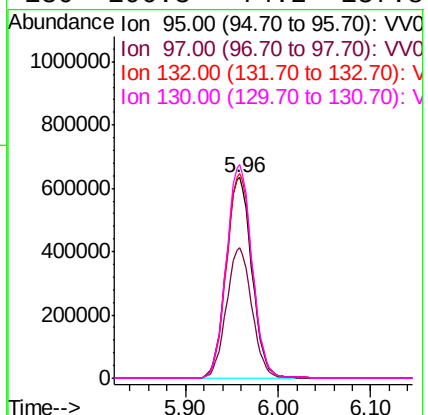
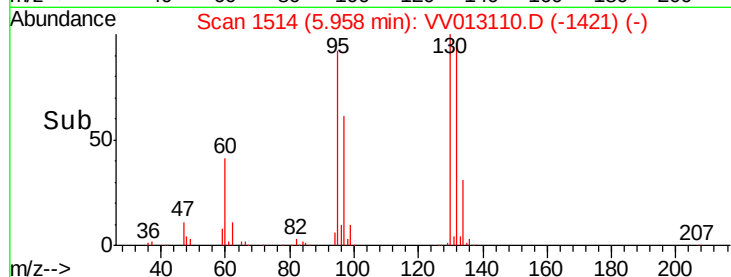
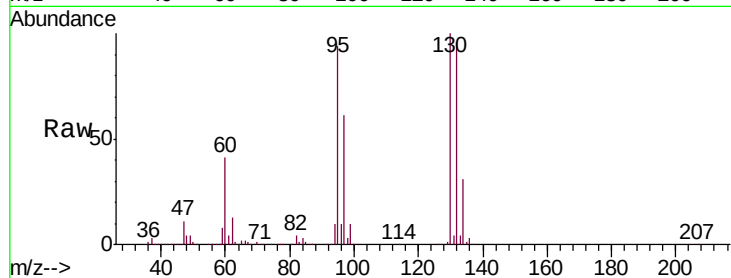
Ion Ratio Lower Upper

95 100

97 64.9 44.7 82.9

132 102.3 71.4 132.6

130 106.3 74.2 137.8



#35

Methylcyclohexane

Concen: 225.402 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV013110.D

Acq: 11 Oct 2019 18:42

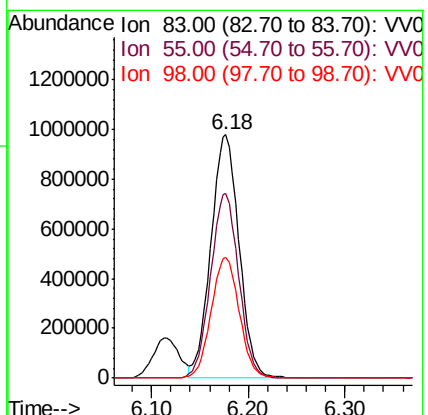
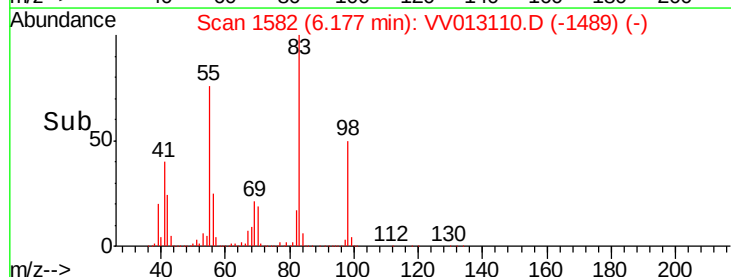
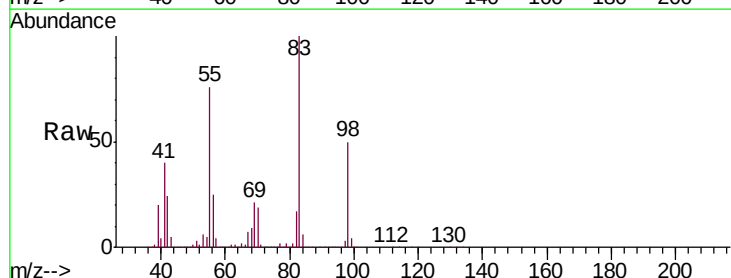
Tgt Ion: 83 Resp: 1977187

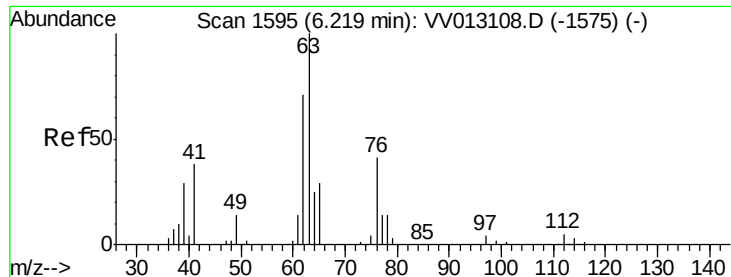
Ion Ratio Lower Upper

83 100

55 75.5 61.2 91.8

98 49.5 40.1 60.1

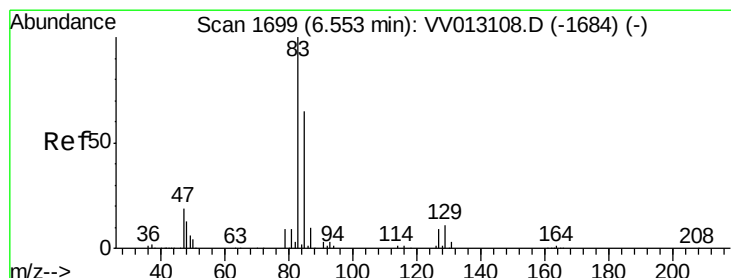
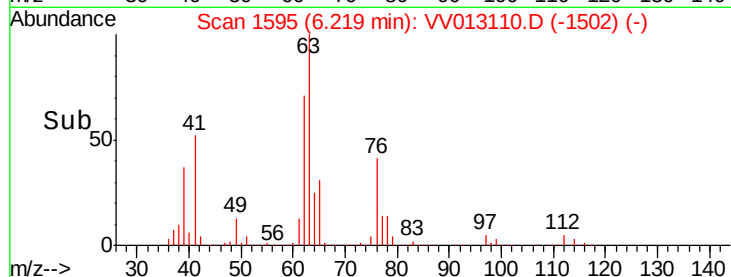
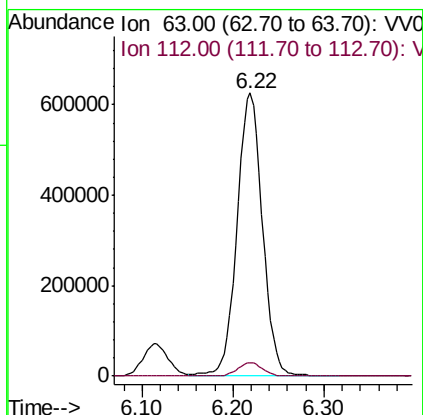
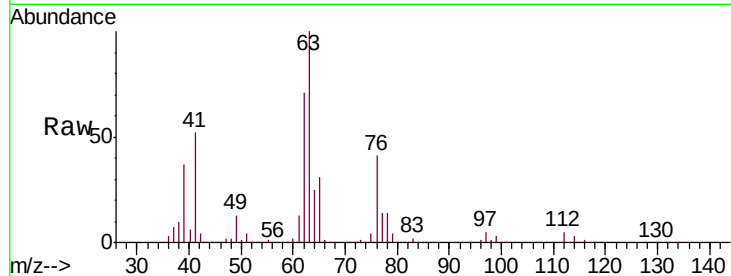




#37
 1,2-Dichloropropane
 Concen: 182.429 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV013110.D
 Acq: 11 Oct 2019 18:42

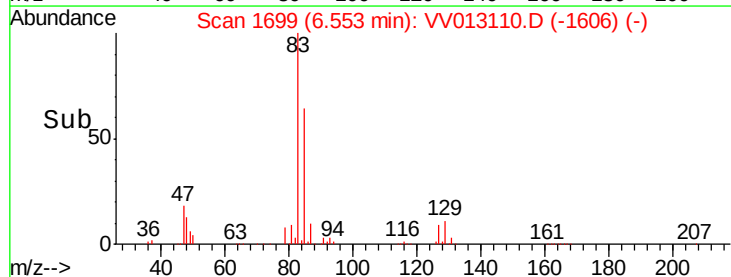
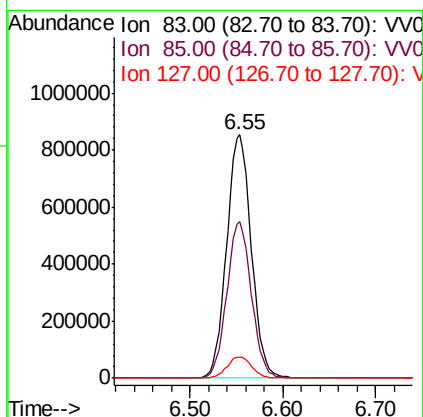
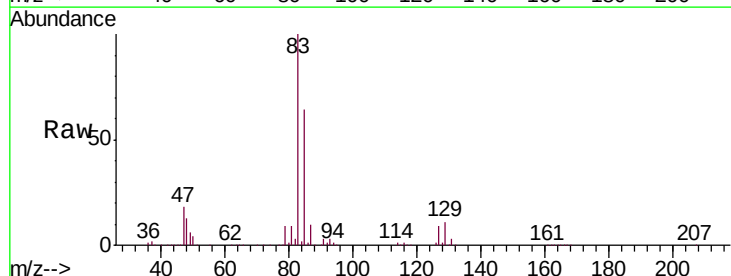
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20062

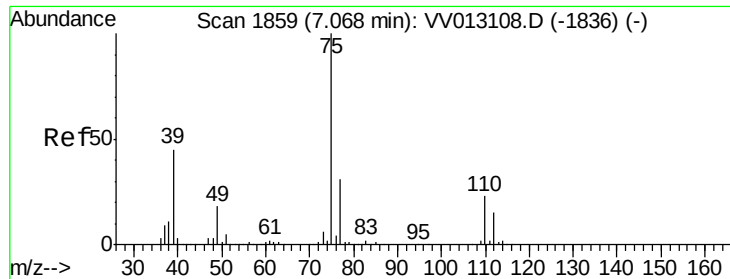
Tgt Ion: 63 Resp: 1209620
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.8 5.8



#38
 Bromodichloromethane
 Concen: 184.839 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV013110.D
 Acq: 11 Oct 2019 18:42

Tgt Ion: 83 Resp: 1571273
 Ion Ratio Lower Upper
 83 100
 85 64.2 45.8 85.0
 127 8.7 7.4 11.0

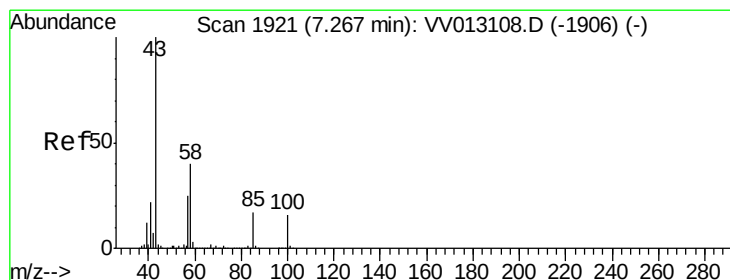
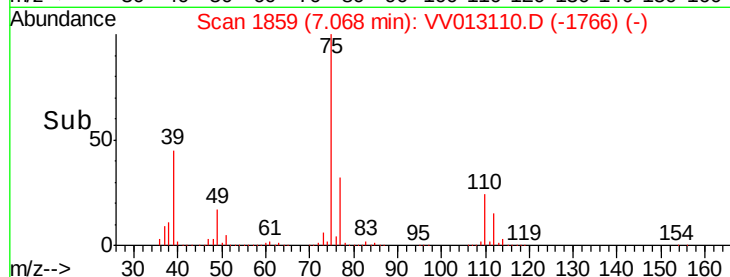
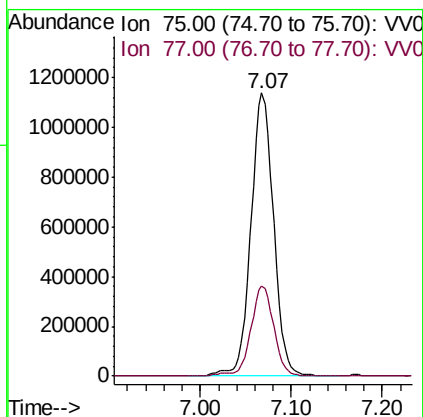
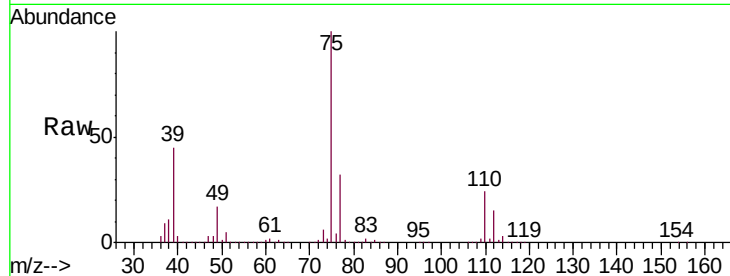




#39
 cis-1,3-Dichloropropene
 Concen: 210.042 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV013110.D
 Acq: 11 Oct 2019 18:42

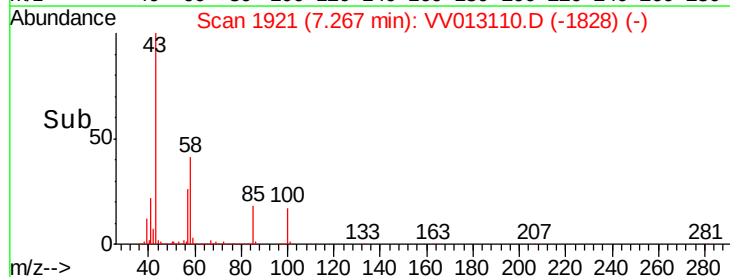
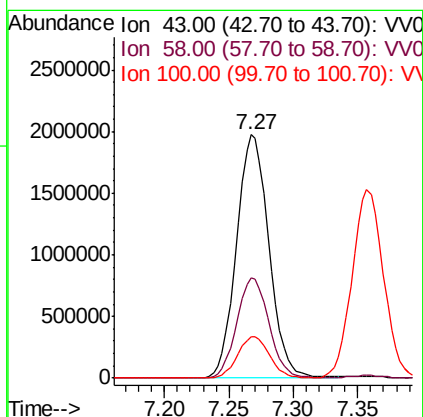
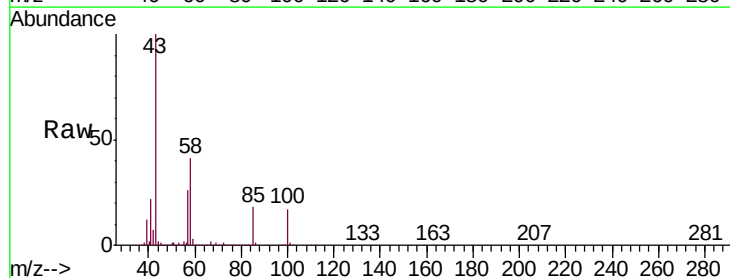
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20062

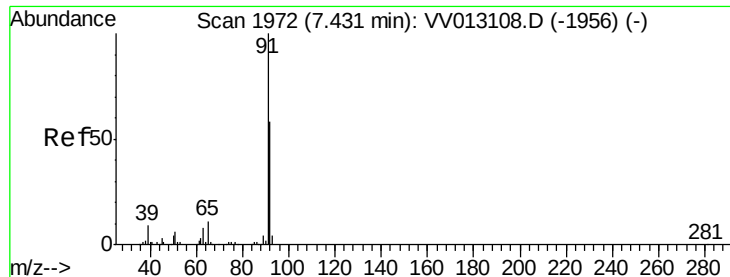
Tgt Ion: 75 Resp: 1974046
 Ion Ratio Lower Upper
 75 100
 77 32.0 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 380.898 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VV013110.D
 Acq: 11 Oct 2019 18:42

Tgt Ion: 43 Resp: 3453479
 Ion Ratio Lower Upper
 43 100
 58 41.0 32.0 48.0
 100 16.9 12.7 19.1





#42

Toluene

Concen: 200.555 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV013110.D

Acq: 11 Oct 2019 18:42

Instrument :

MSVOA_V

ClientSampleId :

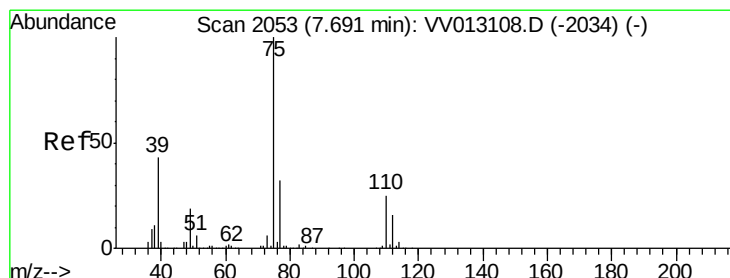
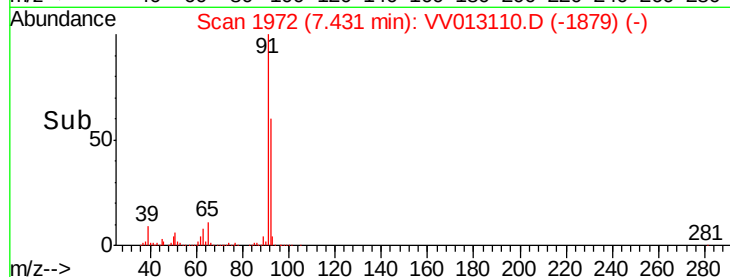
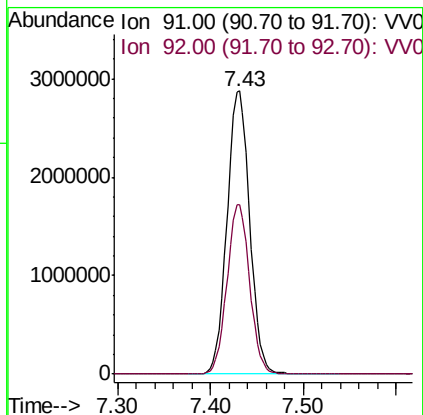
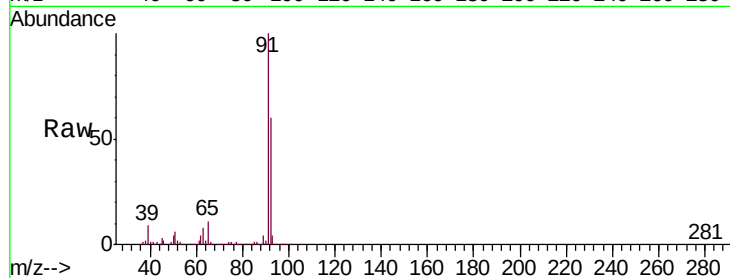
VSTD20062

Tgt Ion: 91 Resp: 4877370

Ion Ratio Lower Upper

91 100

92 59.9 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 208.323 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV013110.D

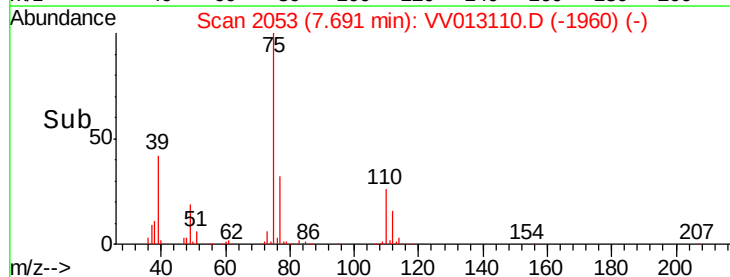
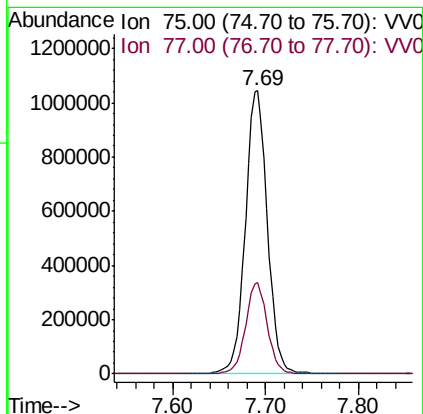
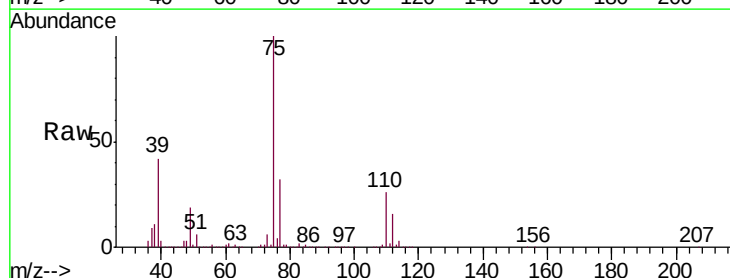
Acq: 11 Oct 2019 18:42

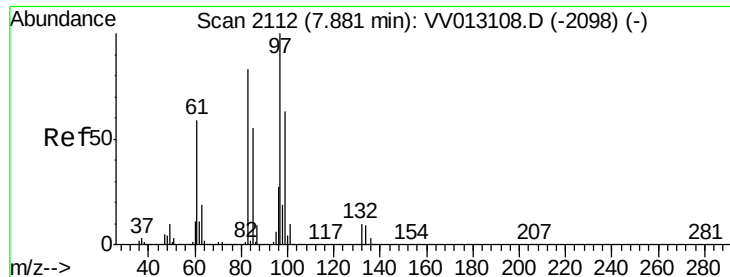
Tgt Ion: 75 Resp: 1716535

Ion Ratio Lower Upper

75 100

77 32.1 22.0 41.0



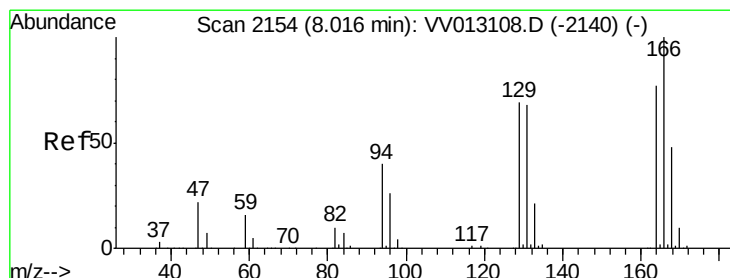
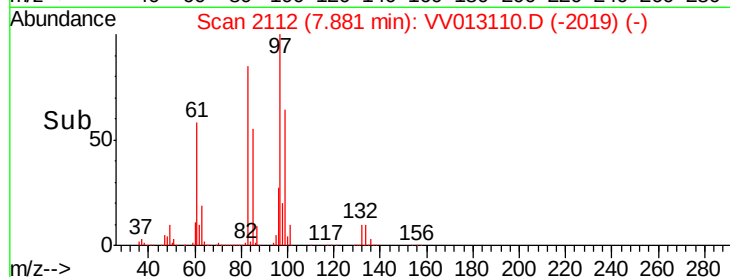
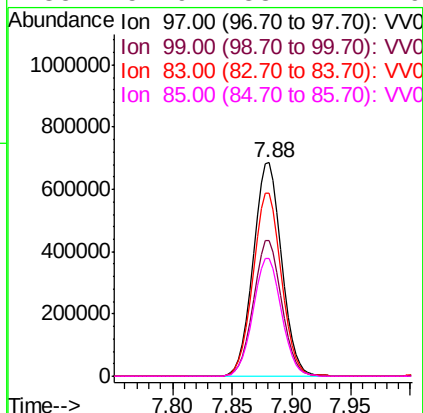
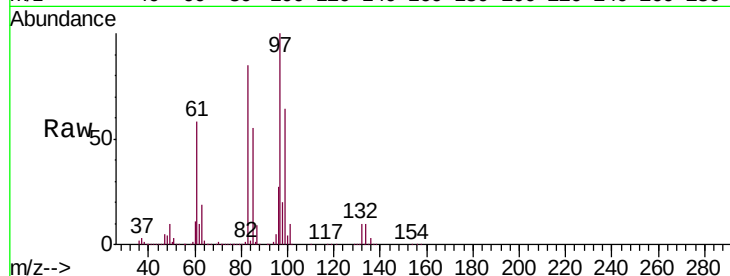


#45
 1,1,2-Trichloroethane
 Concen: 176.297 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV013110.D
 Acq: 11 Oct 2019 18:42

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20062

Tgt Ion: 97 Resp: 1134487

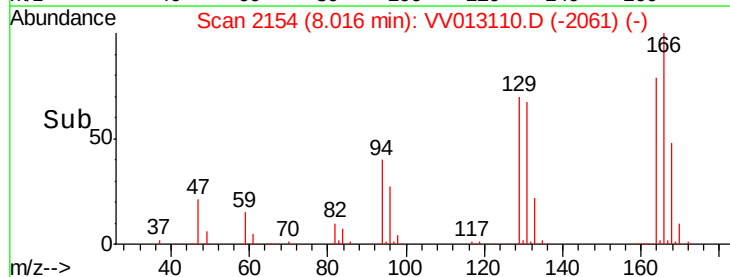
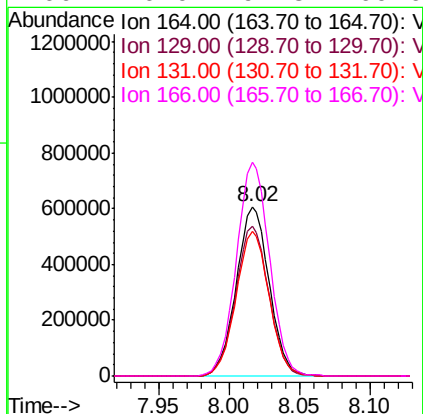
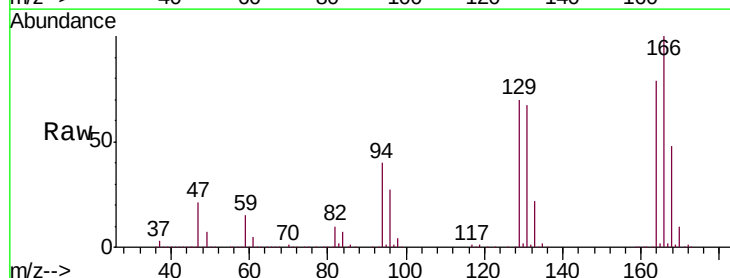
Ion	Ratio	Lower	Upper
97	100		
99	63.7	44.4	82.5
83	85.5	58.2	108.0
85	54.9	38.7	71.9

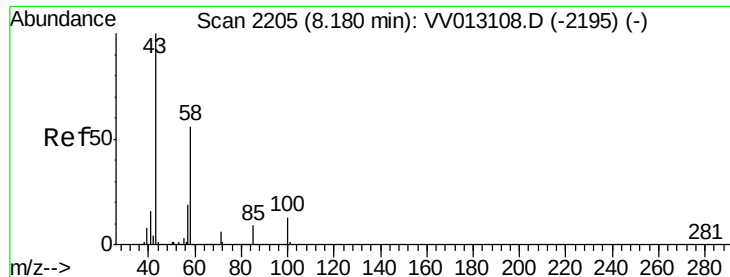


#46
 Tetrachloroethene
 Concen: 208.019 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV013110.D
 Acq: 11 Oct 2019 18:42

Tgt Ion: 164 Resp: 993545

Ion	Ratio	Lower	Upper
164	100		
129	88.6	63.1	117.1
131	85.0	62.4	116.0
166	126.0	91.3	169.6



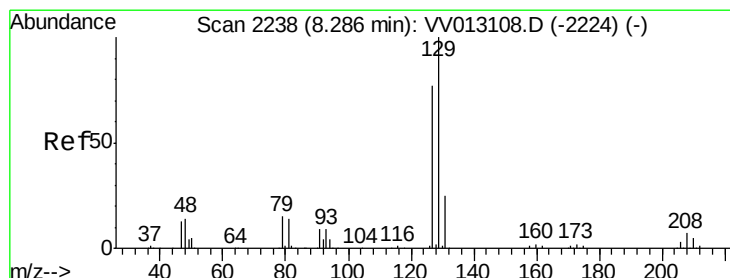
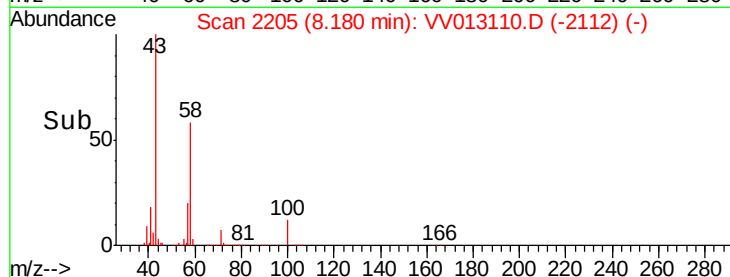
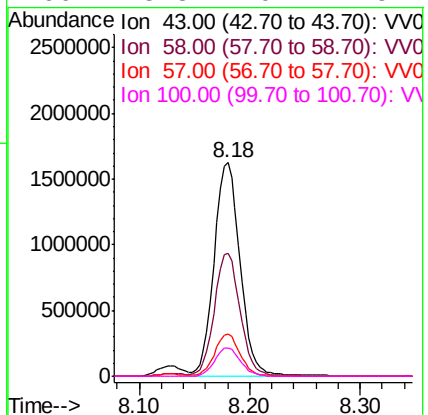
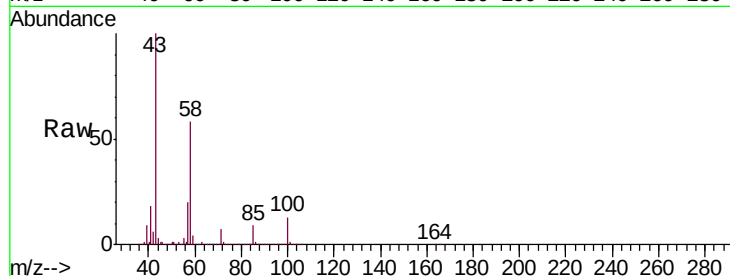


#48
2-Hexanone
Concen: 364.614 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV013110.D
Acq: 11 Oct 2019 18:42

Instrument :
MSVOA_V
ClientSampleId :
VSTD20062

Tgt Ion: 43 Resp: 2640777

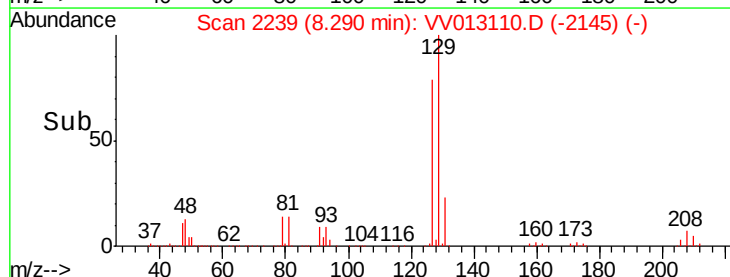
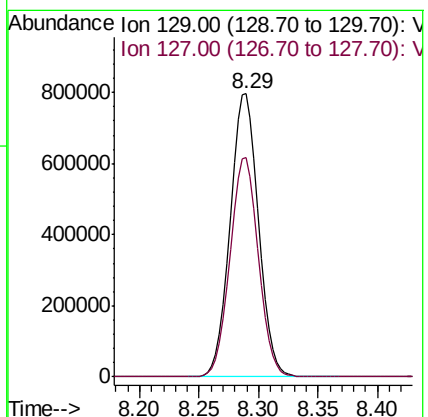
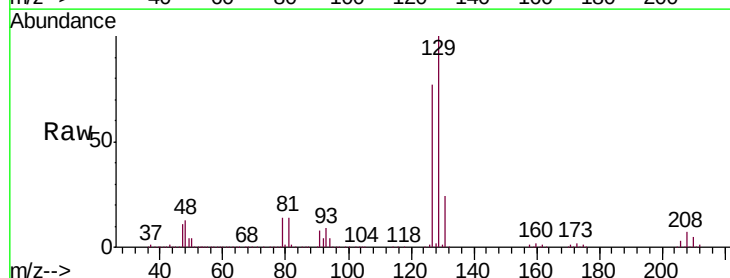
Ion	Ratio	Lower	Upper
43	100		
58	57.9	44.9	67.3
57	19.6	15.0	22.6
100	13.3	10.2	15.2

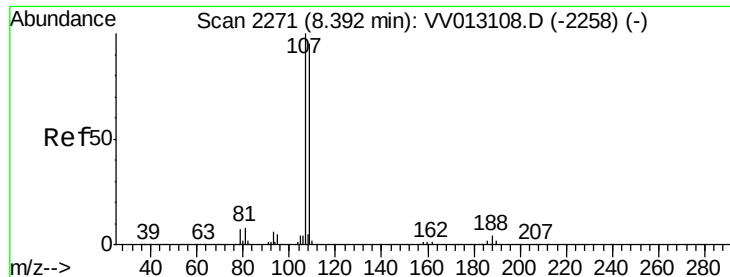


#49
Dibromochloromethane
Concen: 194.307 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV013110.D
Acq: 11 Oct 2019 18:42

Tgt Ion: 129 Resp: 1315318

Ion	Ratio	Lower	Upper
129	100		
127	77.3	54.0	100.4

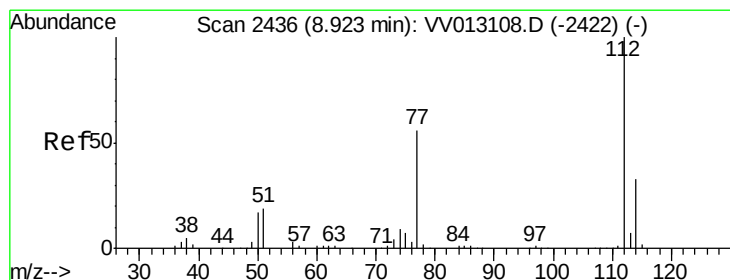
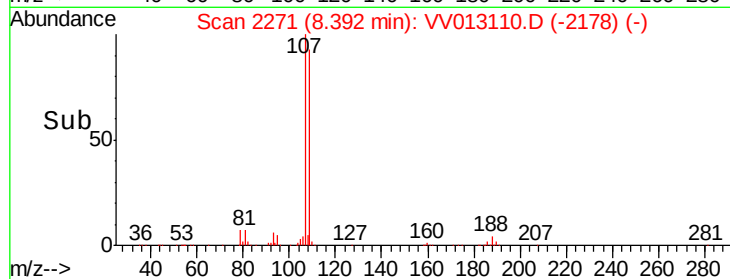
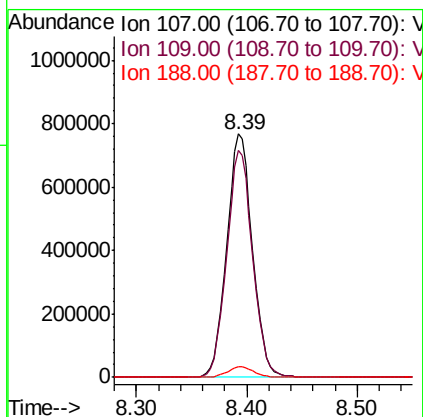
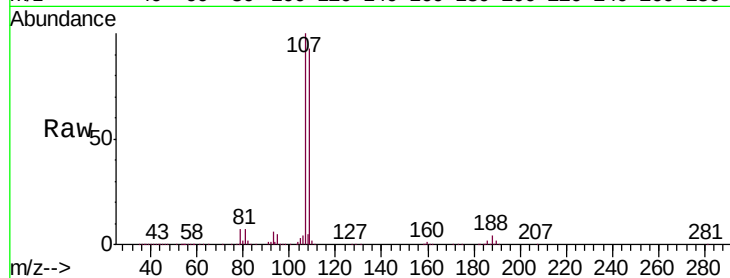




#50
 1,2-Dibromoethane
 Concen: 196.899 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VV013110.D
 Acq: 11 Oct 2019 18:42

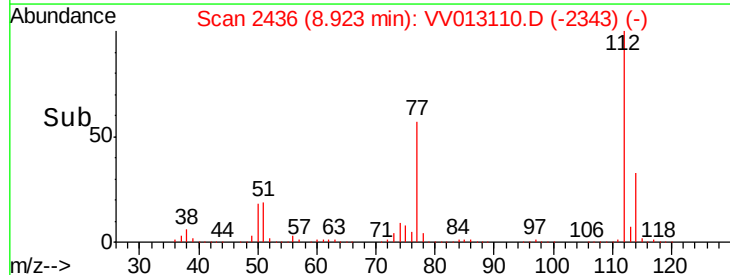
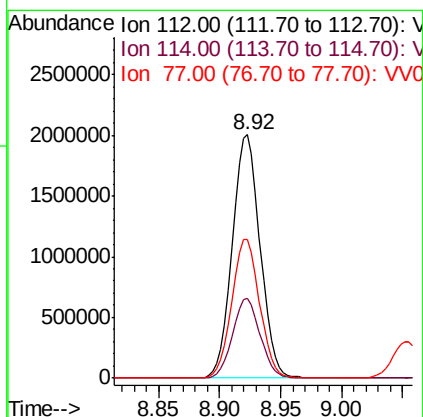
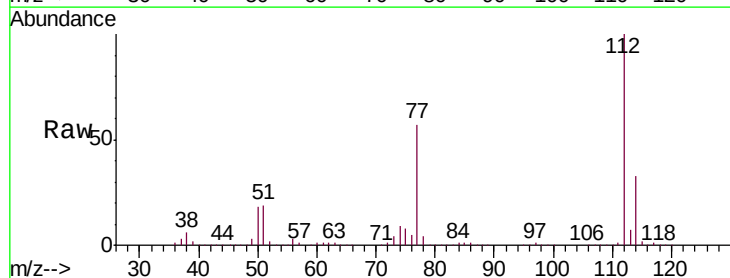
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20062

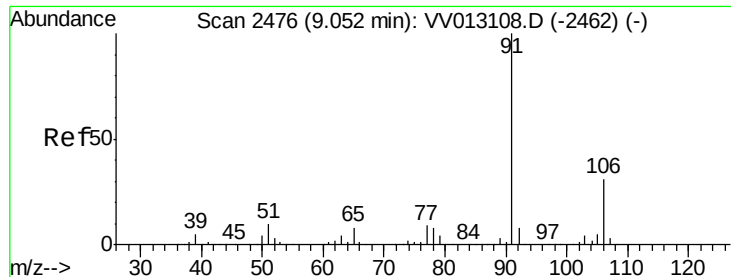
Tgt Ion:107 Resp: 1237545
 Ion Ratio Lower Upper
 107 100
 109 93.0 66.6 123.6
 188 4.2 3.4 5.2



#51
 Chlorobenzene
 Concen: 192.610 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: VV013110.D
 Acq: 11 Oct 2019 18:42

Tgt Ion:112 Resp: 3178452
 Ion Ratio Lower Upper
 112 100
 114 32.7 22.8 42.4
 77 56.9 45.1 67.7





#52

Ethylbenzene

Concen: 204.367 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV013110.D

Acq: 11 Oct 2019 18:42

Instrument :

MSVOA_V

ClientSampleId :

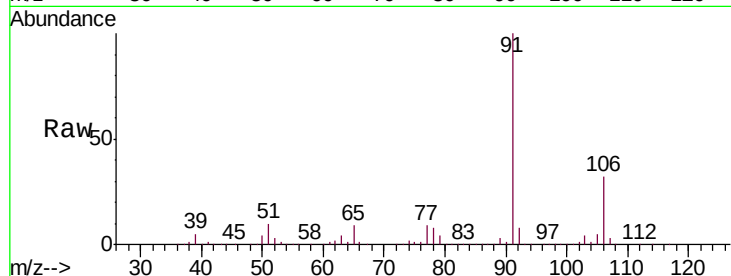
VSTD20062

Tgt Ion: 91 Resp: 5427205

Ion Ratio Lower Upper

91 100

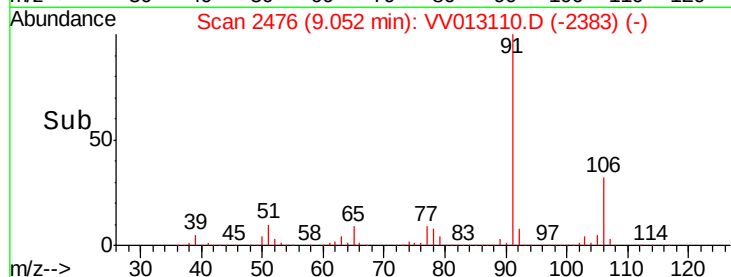
106 32.3 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VV013110.D (-2462) (-)

Ion 106.00 (105.70 to 106.70): VV013110.D (-2462) (-)

Time-->

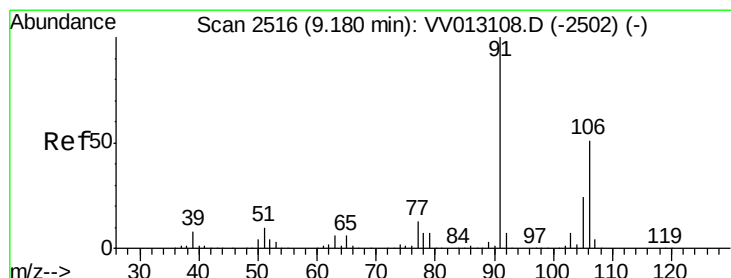


Abundance

Ion 91.00 (90.70 to 91.70): VV013110.D (-2383) (-)

Ion 106.00 (105.70 to 106.70): VV013110.D (-2383) (-)

Time-->



#53

m,p-Xylene

Concen: 214.899 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV013110.D

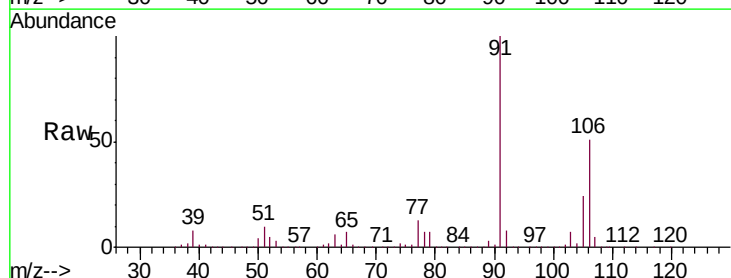
Acq: 11 Oct 2019 18:42

Tgt Ion: 106 Resp: 2113056

Ion Ratio Lower Upper

106 100

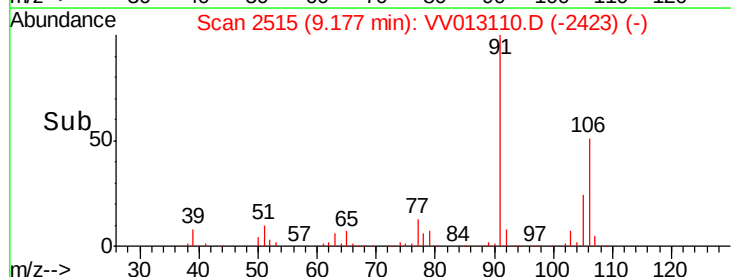
91 196.2 137.8 255.8



Abundance Ion 106.00 (105.70 to 106.70): VV013110.D (-2502) (-)

Ion 91.00 (90.70 to 91.70): VV013110.D (-2502) (-)

Time-->

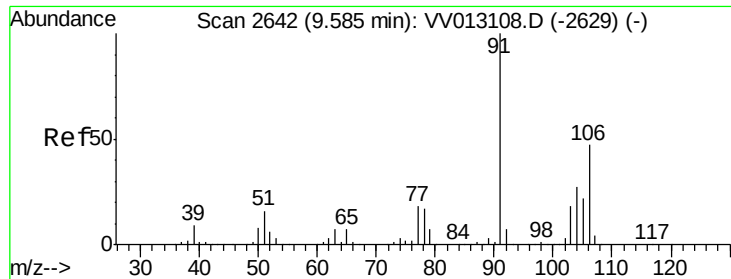


Abundance

Ion 106.00 (105.70 to 106.70): VV013110.D (-2423) (-)

Ion 91.00 (90.70 to 91.70): VV013110.D (-2423) (-)

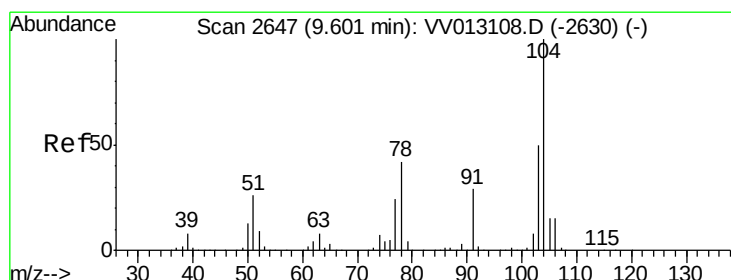
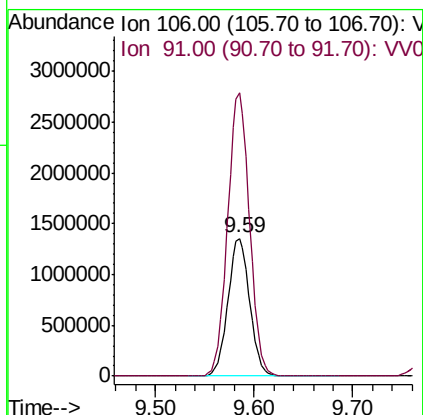
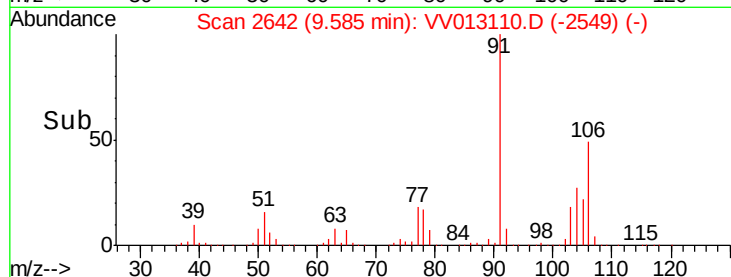
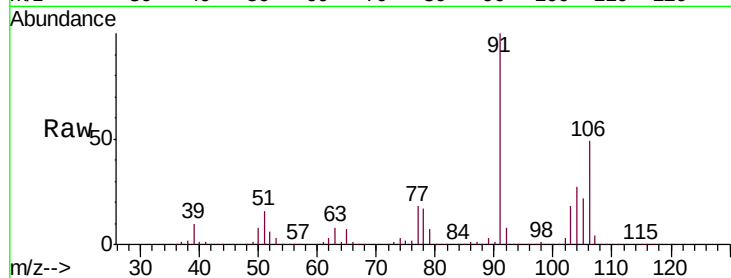
Time-->



#54
o-xylene
Concen: 210.853 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV013110.D
Acq: 11 Oct 2019 18:42

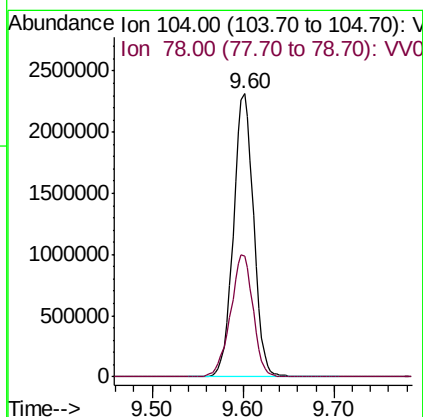
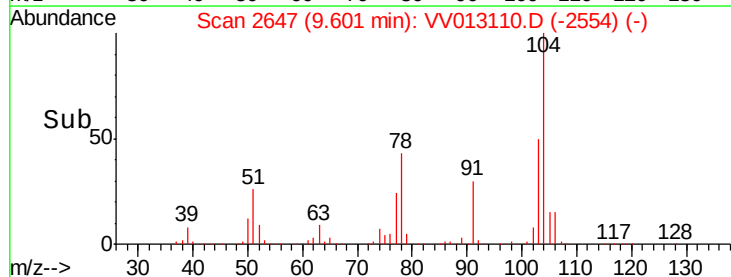
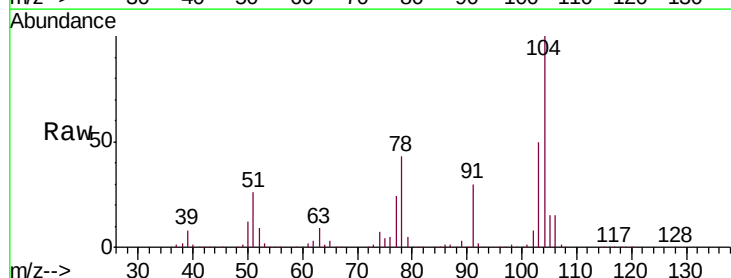
Instrument :
MSVOA_V
ClientSampleId :
VSTD20062

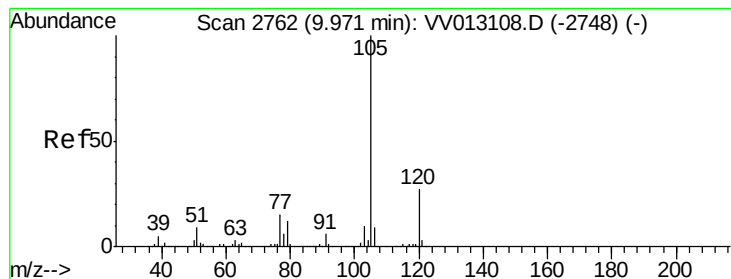
Tgt Ion:106 Resp: 2093916
Ion Ratio Lower Upper
106 100
91 205.7 147.6 274.2



#55
Styrene
Concen: 214.137 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. -0.00 min
Lab File: VV013110.D
Acq: 11 Oct 2019 18:42

Tgt Ion:104 Resp: 3570344
Ion Ratio Lower Upper
104 100
78 42.7 29.1 54.1





#56

Isopropylbenzene

Concen: 207.741 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV013110.D

Acq: 11 Oct 2019 18:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD20062

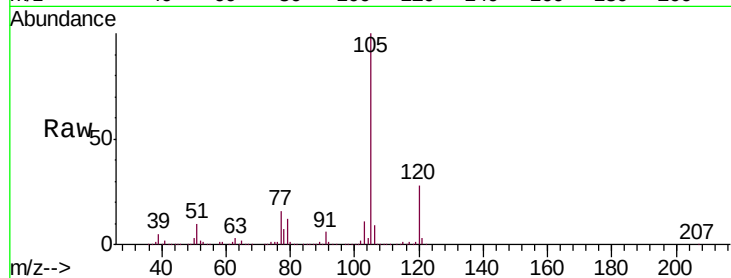
Tgt Ion:105 Resp: 5387204

Ion Ratio Lower Upper

105 100

120 27.5 21.4 32.2

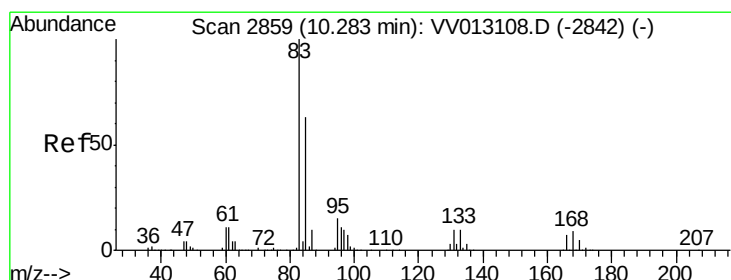
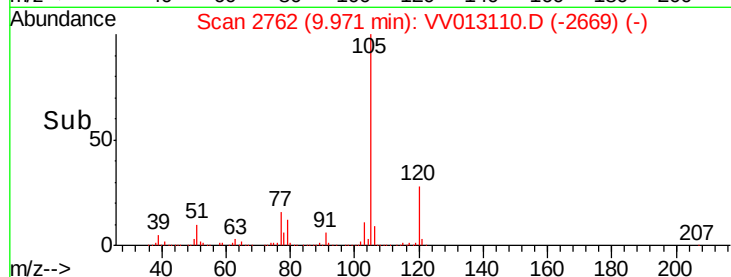
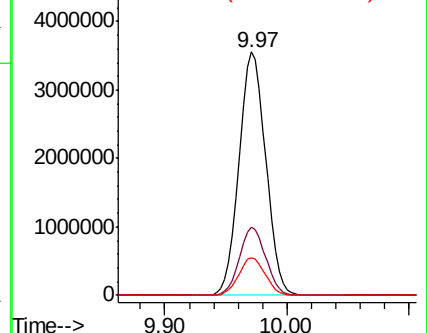
77 15.3 12.1 18.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 194.884 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV013110.D

Acq: 11 Oct 2019 18:42

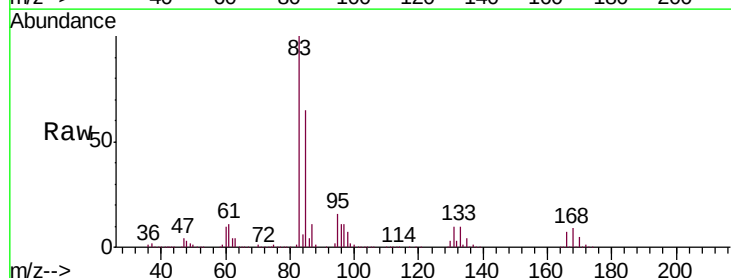
Tgt Ion: 83 Resp: 1735450

Ion Ratio Lower Upper

83 100

85 64.8 44.3 82.3

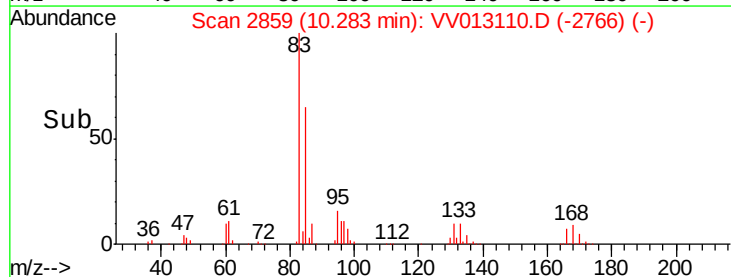
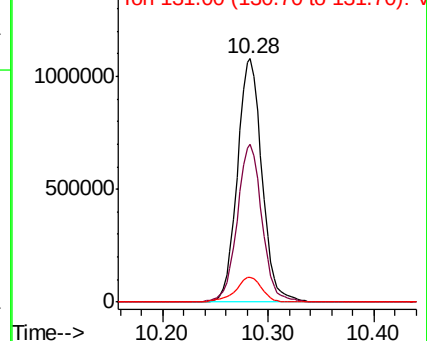
131 10.3 8.1 12.1

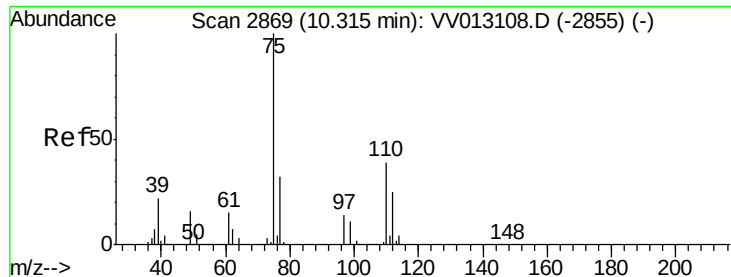


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 176.278 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV013110.D

Acq: 11 Oct 2019 18:42

Instrument :

MSVOA_V

ClientSampleId :

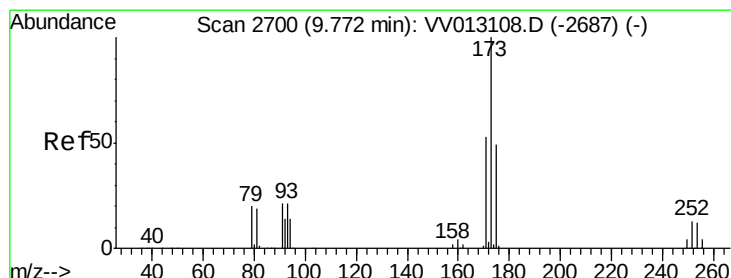
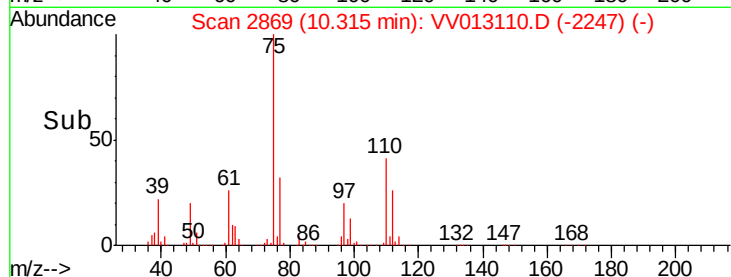
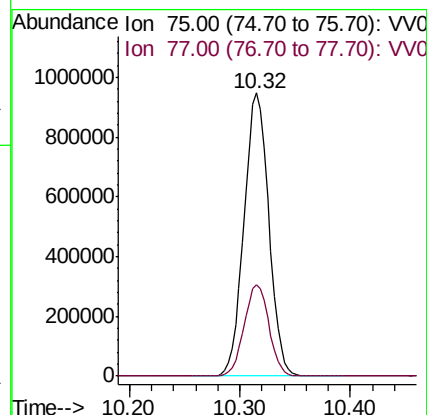
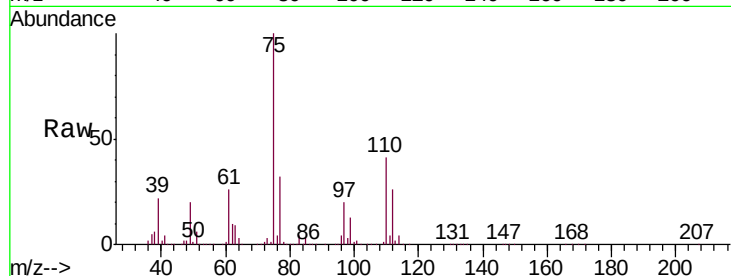
VSTD20062

Tgt Ion: 75 Resp: 1473079

Ion Ratio Lower Upper

75 100

77 32.3 25.7 38.5



#61

Bromoform

Concen: 195.297 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VV013110.D

Acq: 11 Oct 2019 18:42

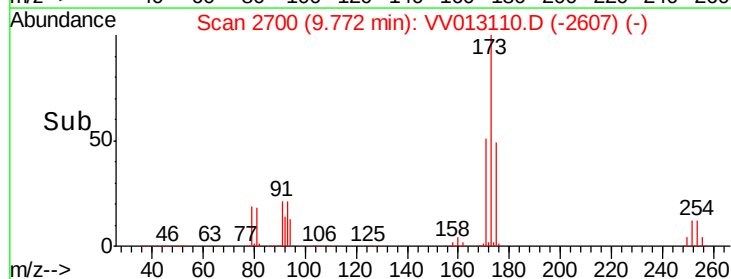
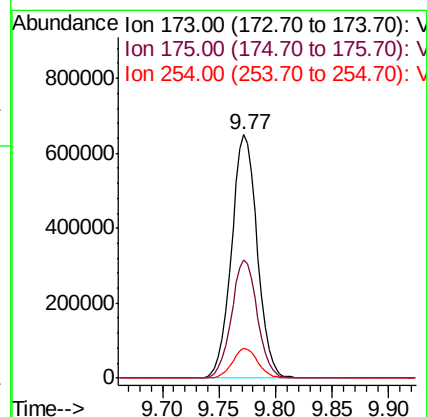
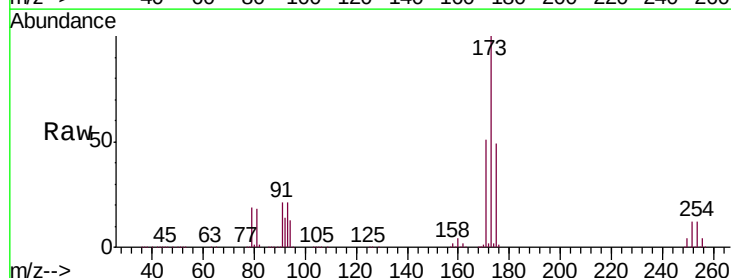
Tgt Ion: 173 Resp: 1024482

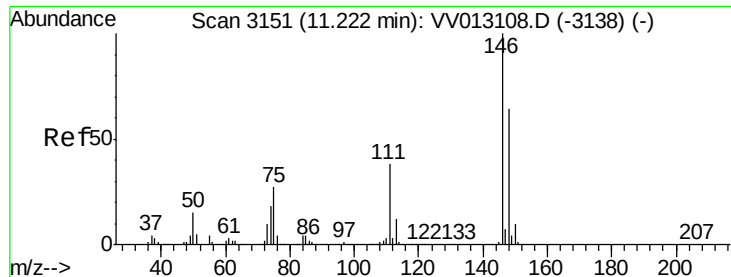
Ion Ratio Lower Upper

173 100

175 48.6 38.8 58.2

254 12.1 9.6 14.4





#62

1,3-Dichlorobenzene

Concen: 190.633 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. -0.00 min

Lab File: VV013110.D

Acq: 11 Oct 2019 18:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD20062

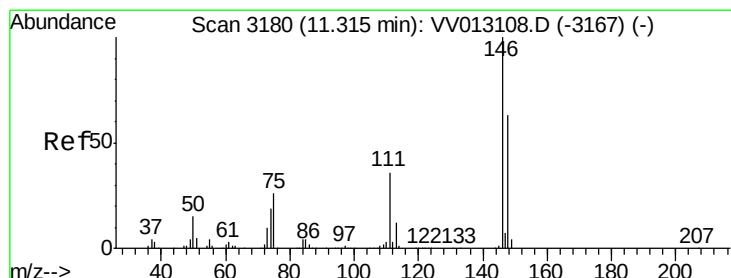
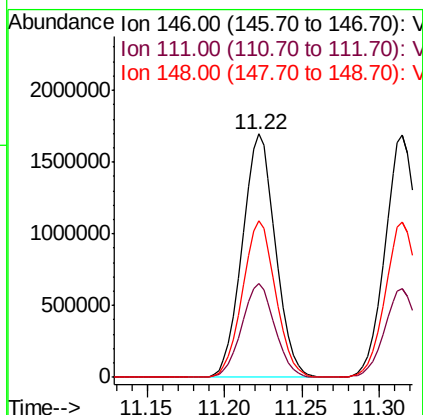
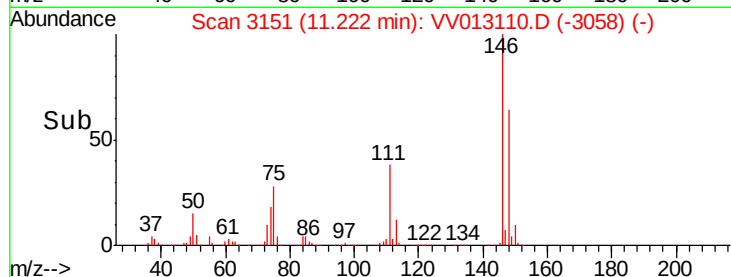
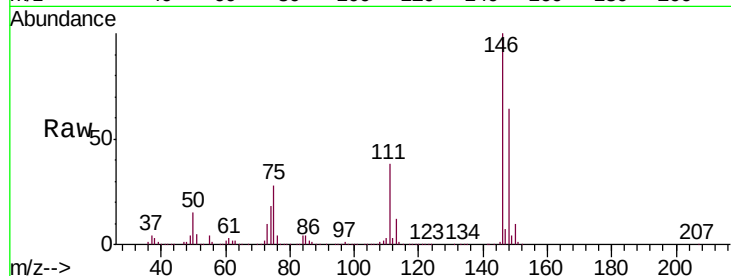
Tgt Ion:146 Resp: 2530965

Ion Ratio Lower Upper

146 100

111 38.5 26.6 49.4

148 64.2 44.6 82.8



#63

1,4-Dichlorobenzene

Concen: 186.023 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV013110.D

Acq: 11 Oct 2019 18:42

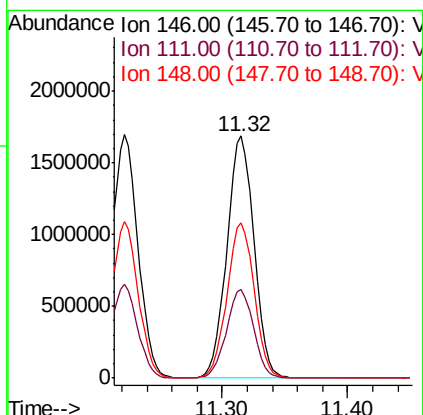
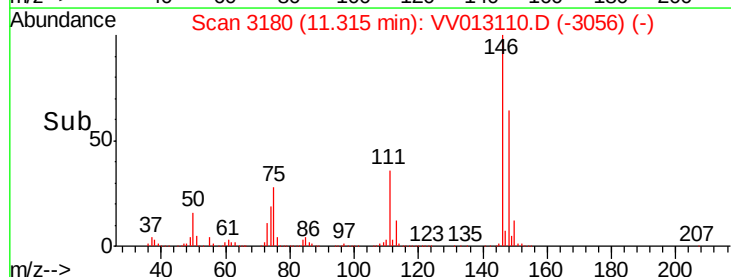
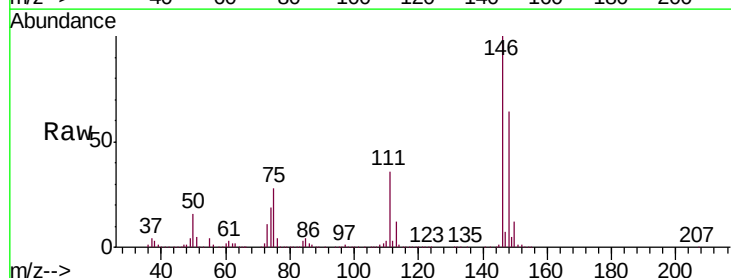
Tgt Ion:146 Resp: 2527549

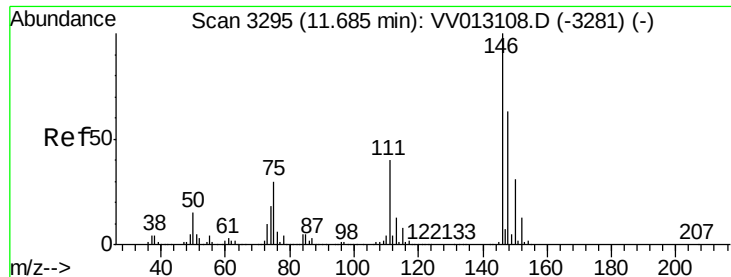
Ion Ratio Lower Upper

146 100

111 36.5 25.4 47.2

148 64.3 44.2 82.2

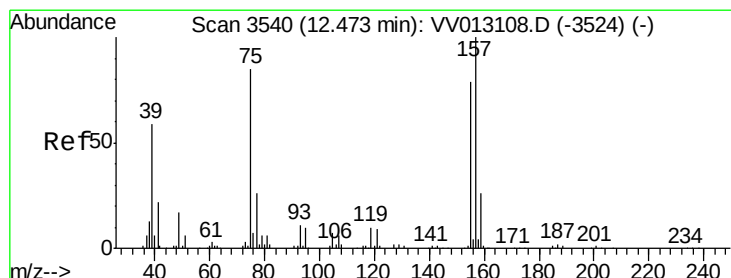
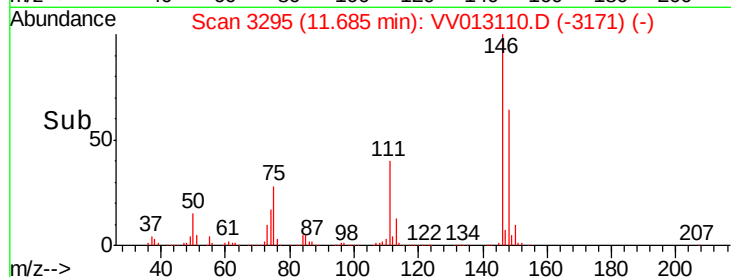
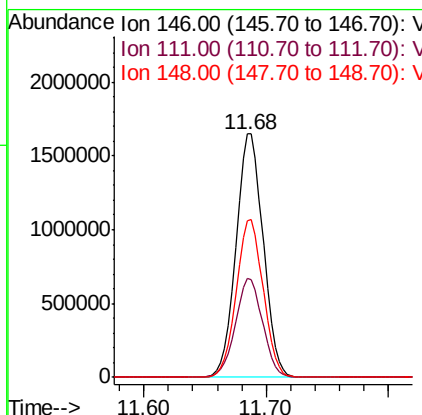
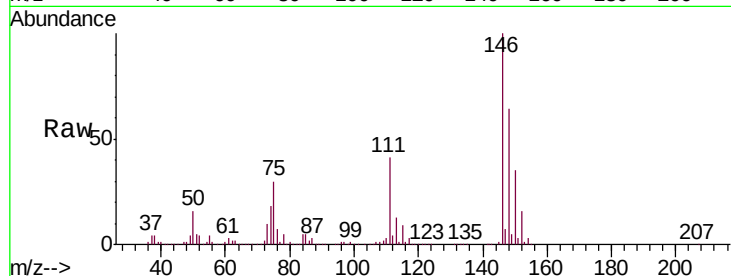




#65
 1,2-Dichlorobenzene
 Concen: 182.198 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV013110.D
 Acq: 11 Oct 2019 18:42

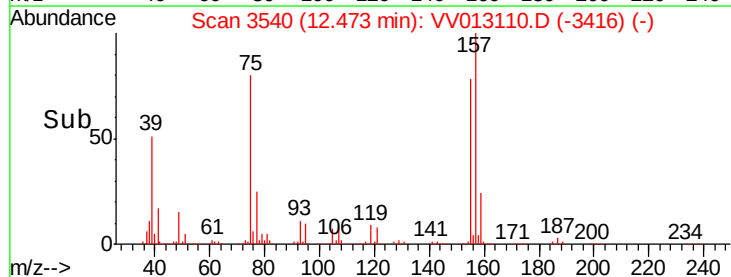
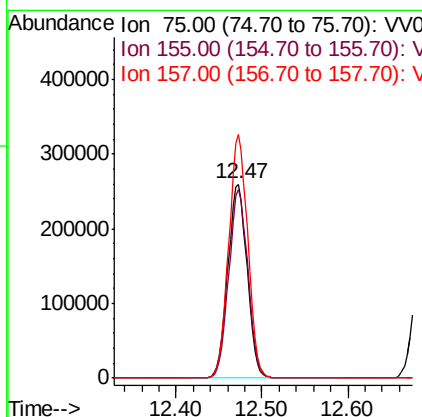
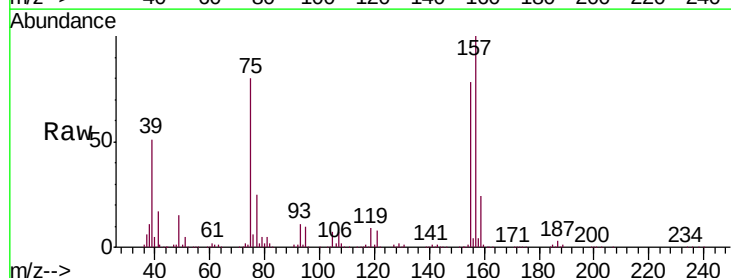
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20062

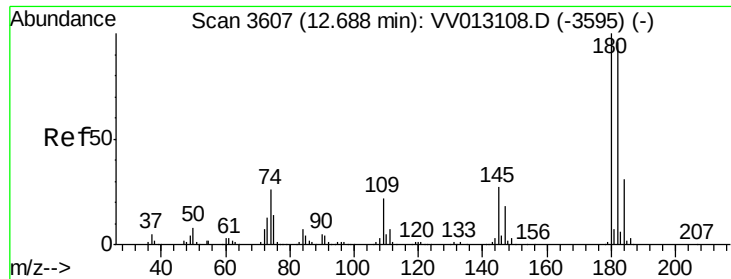
Tgt Ion:146 Resp: 2532447
 Ion Ratio Lower Upper
 146 100
 111 40.6 32.2 48.2
 148 64.3 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 211.086 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. -0.00 min
 Lab File: VV013110.D
 Acq: 11 Oct 2019 18:42

Tgt Ion: 75 Resp: 404835
 Ion Ratio Lower Upper
 75 100
 155 97.4 74.6 111.8
 157 125.4 94.2 141.4

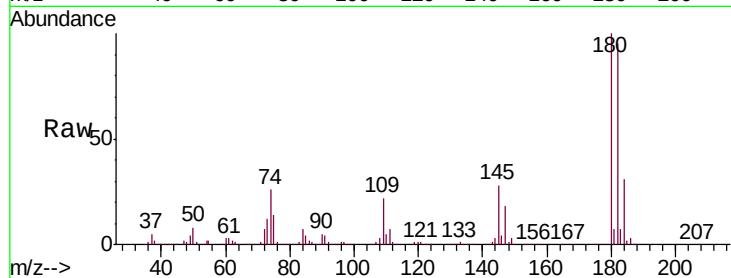




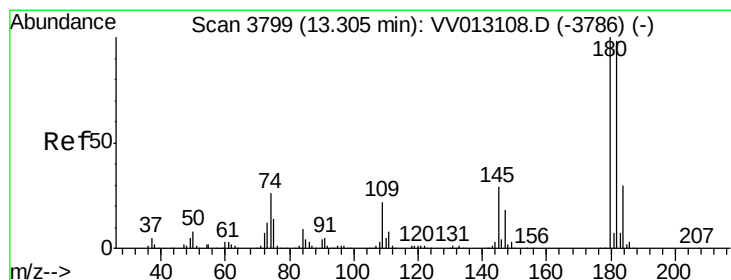
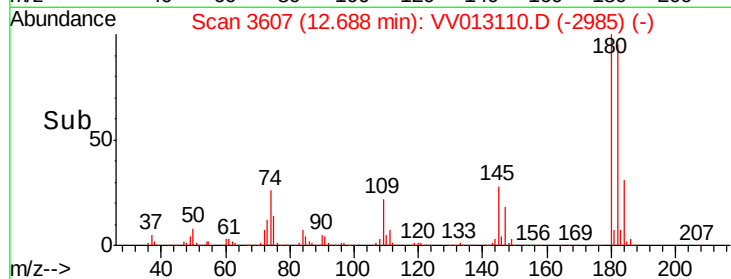
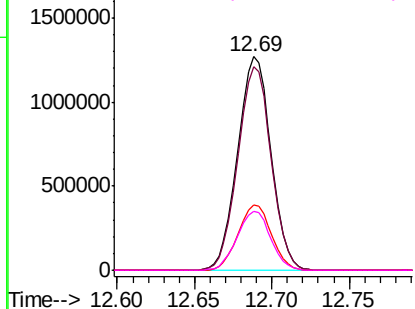
#67
 1,3,5-Trichlorobenzene
 Concen: 195.083 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV013110.D
 Acq: 11 Oct 2019 18:42

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20062

Tgt Ion:180 Resp: 1901716
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.7 115.1
 184 30.7 24.3 36.5
 145 27.8 21.7 32.5

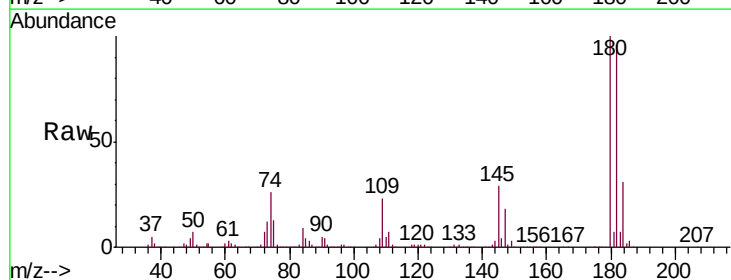


Abundance Ion 180.00 (179.70 to 180.70): V
 2000000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

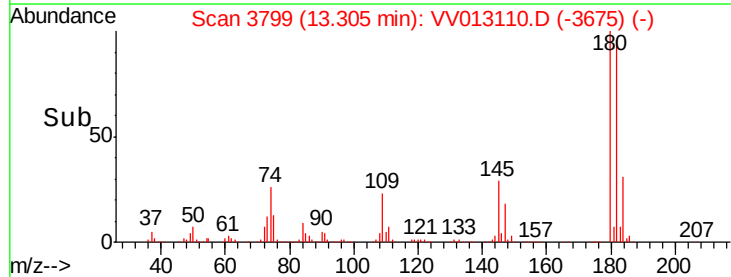
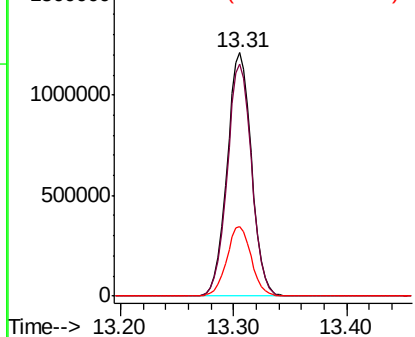


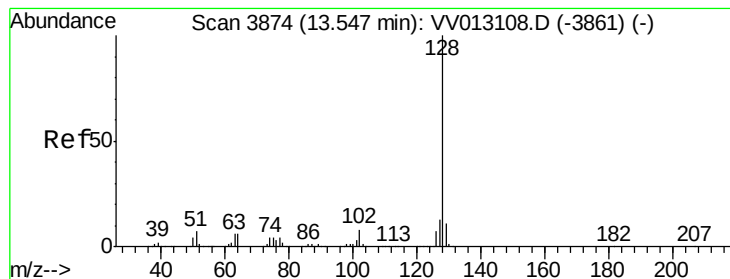
#68
 1,2,4-trichlorobenzene
 Concen: 218.548 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV013110.D
 Acq: 11 Oct 2019 18:42

Tgt Ion:180 Resp: 1809690
 Ion Ratio Lower Upper
 180 100
 182 95.3 77.4 116.0
 145 28.5 22.7 34.1



Abundance Ion 180.00 (179.70 to 180.70): V
 1500000
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 226.652 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV013110.D

Acq: 11 Oct 2019 18:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD20062

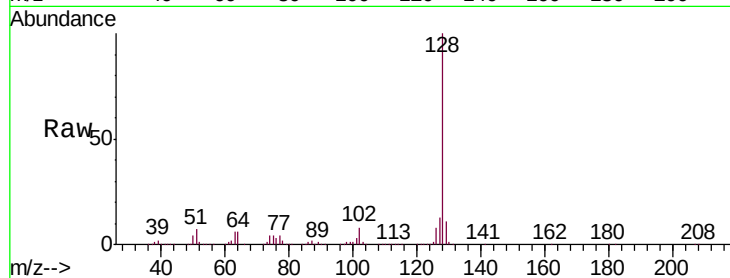
Tgt Ion:128 Resp: 5380019

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

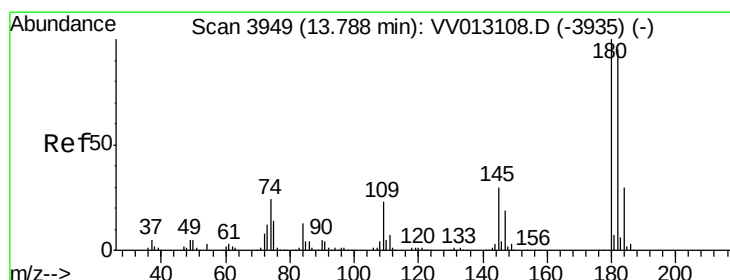
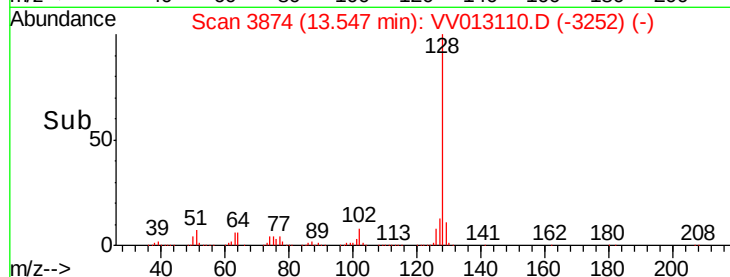
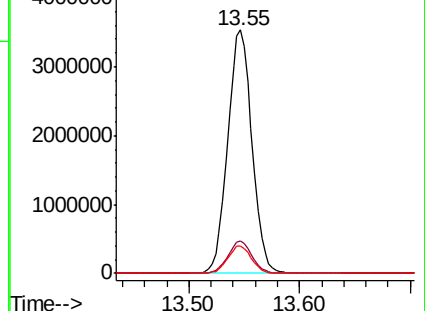
129 11.1 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 208.072 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV013110.D

Acq: 11 Oct 2019 18:42

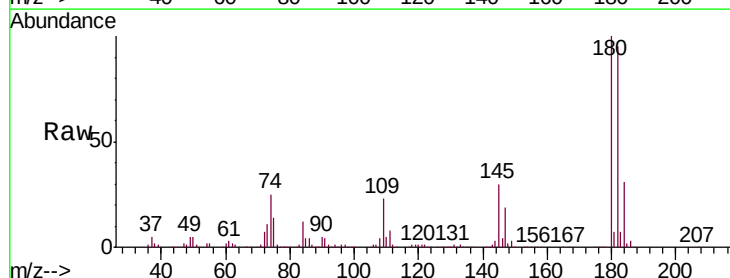
Tgt Ion:180 Resp: 1855674

Ion Ratio Lower Upper

180 100

182 95.5 76.9 115.3

145 30.2 23.8 35.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

