

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV030620\
 Data File : VV014764.D
 Acq On : 06 Mar 2020 18:11
 Operator : SY/MD
 Sample : VSTD20066
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 06 22:45:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 06 22:37:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	484657	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	485232	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	269285	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	686568	311.85	ug/L	0.00
7) Chloroethane-d5	1.58	69	529499	325.58	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	1102402	279.83	ug/L	0.00
21) 2-Butanone-d5	3.94	46	1090007	569.30	ug/L	0.00
24) Chloroform-d	4.38	84	1322719	213.31	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	860991	214.28	ug/L	0.00
32) Benzene-d6	5.08	84	2676432	208.06	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	875287	227.56	ug/L	0.00
41) Toluene-d8	7.34	98	2613614	210.02	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	457387	216.39	ug/L	0.00
47) 2-Hexanone-d5	8.12	63	842549	534.07	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	1236542	233.20	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	1094923	207.04	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	945106	255.088	ug/L 99
3) Chloromethane	1.25	50	833503	360.439	ug/L 100
5) Vinyl chloride	1.32	62	784755	347.637	ug/L 98
6) Bromomethane	1.53	94	491948	366.335	ug/L 99
8) Chloroethane	1.60	64	419446	337.716	ug/L 100
9) Trichlorofluoromethane	1.76	101	1049563	247.928	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	532169	288.138	ug/L 99
12) 1,1-Dichloroethene	2.13	96	515633	299.955	ug/L 97
13) Acetone	2.22	43	727732	437.766	ug/L 99
14) Carbon disulfide	2.31	76	1802256	252.666	ug/L 100
15) Methyl Acetate	2.46	43	774251	271.268	ug/L 99
16) Methylene chloride	2.52	84	706410	221.571	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	652394	220.556	ug/L 98
18) Methyl tert-butyl Ether	2.79	73	2172828	220.102	ug/L 99
19) 1,1-Dichloroethane	3.21	63	1268235	232.980	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	745664	219.381	ug/L 100
22) 2-Butanone	4.02	43	1187026	549.399	ug/L 99
23) Bromochloromethane	4.28	128	370649	215.896	ug/L 97
25) Chloroform	4.41	83	1275390	206.259	ug/L 100
27) 1,2-Dichloroethane	5.16	62	1019449	224.562	ug/L 99
29) Cyclohexane	4.71	56	1222412	252.251	ug/L 99
30) 1,1,1-Trichloroethane	4.64	97	1115080	197.231	ug/L 100
31) Carbon tetrachloride	4.86	117	982151	197.260	ug/L 100
33) Benzene	5.13	78	2805351	217.584	ug/L 100
34) Trichloroethene	5.94	95	742940	201.406	ug/L 98
35) Methylcyclohexane	6.16	83	1246443	232.382	ug/L 99
37) 1,2-Dichloropropane	6.20	63	762724	237.046	ug/L 100
38) Bromodichloromethane	6.53	83	989131	207.959	ug/L 100
39) cis-1,3-Dichloropropene	7.05	75	1276888	229.881	ug/L 99
40) 4-Methyl-2-pentanone	7.26	43	2254315	544.990	ug/L 98

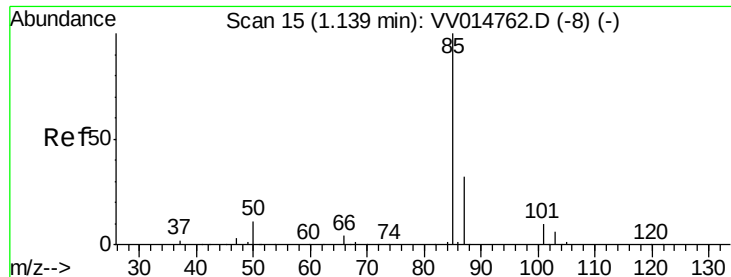
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV030620\
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Quant Time: Mar 06 22:45:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 06 22:37:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	3122505	223.495	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	1140648	225.359	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	698107	210.757	ug/L	99
46) Tetrachloroethene	8.00	164	609281	224.738	ug/L	99
48) 2-Hexanone	8.17	43	1780804	546.352	ug/L	98
49) Dibromochloromethane	8.27	129	811632	209.052	ug/L	99
50) 1,2-Dibromoethane	8.38	107	774249	211.582	ug/L	100
51) Chlorobenzene	8.90	112	2032702	215.582	ug/L	99
52) Ethylbenzene	9.04	91	3586492	224.318	ug/L	99
53) m,p-Xylene	9.16	106	1360154	222.023	ug/L	99
54) o-xylene	9.57	106	1343307	224.046	ug/L	99
55) Styrene	9.58	104	2321601	231.128	ug/L	98
56) Isopropylbenzene	9.95	105	3561390	224.930	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	1226807	234.672	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	972159	226.583	ug/L	99
61) Bromoform	9.75	173	619104	212.850	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	1736073	211.526	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	1750936	207.840	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	1710984	209.690	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	310066	224.060	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	1396122	229.313	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	1316106	230.978	ug/L	100
69) Naphthalene	13.52	128	2009189	118.922	ug/L	99
70) 1,2,3-Trichlorobenzene	13.76	180	1294709	221.281	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 255.088 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV014764.D

Acq: 06 Mar 2020 18:11

Instrument :

MSVOA_V

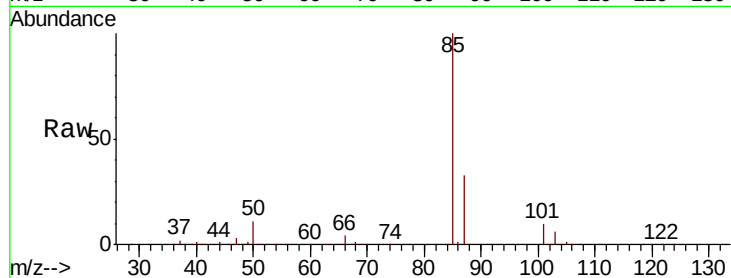
ClientSampleId :

Tot Ion: 85 Resp: 945106

Ion Ratio Lower Upper

85 100

87 32.9 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV014762.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV014762.D (-8) (-)

1.14

800000

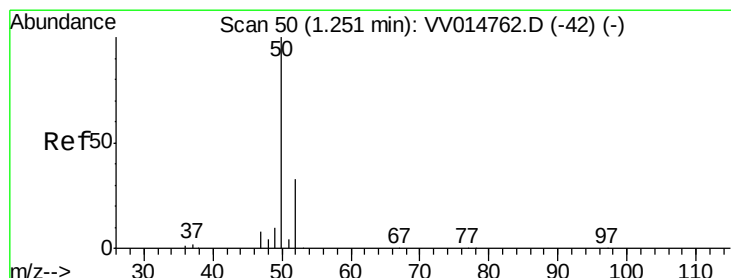
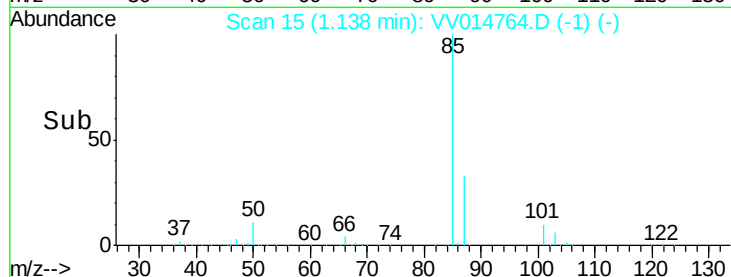
600000

400000

200000

0

Time-->



#3

Chloromethane

Concen: 360.439 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV014764.D

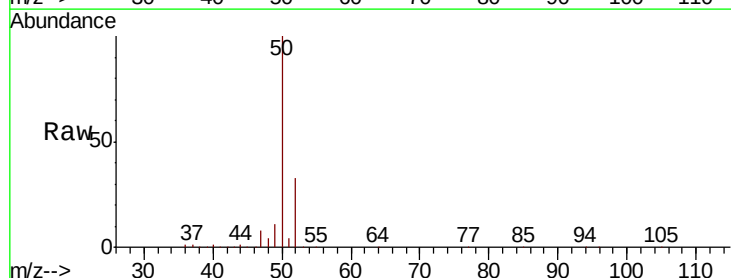
Acq: 06 Mar 2020 18:11

Tgt Ion: 50 Resp: 833503

Ion Ratio Lower Upper

50 100

52 33.0 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VV014762.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV014762.D (-42) (-)

1.25

800000

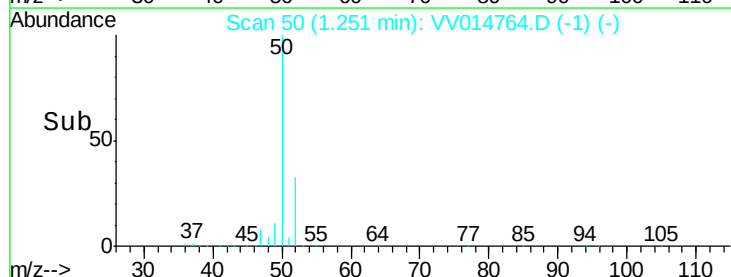
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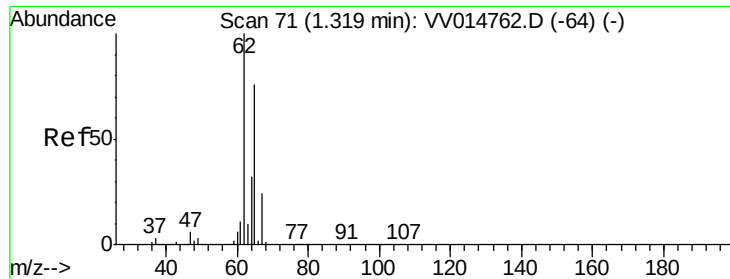
400000

200000

0

Time-->





#5

Vinyl chloride

Concen: 347.637 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV014764.D

Acq: 06 Mar 2020 18:11

Instrument :

MSVOA_V

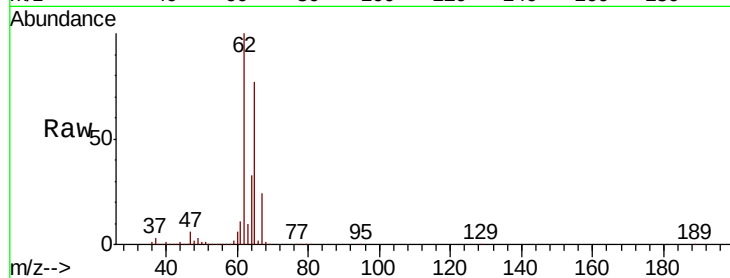
ClientSampleId :

Tot Ion: 62 Resp: 784755

Ion Ratio Lower Upper

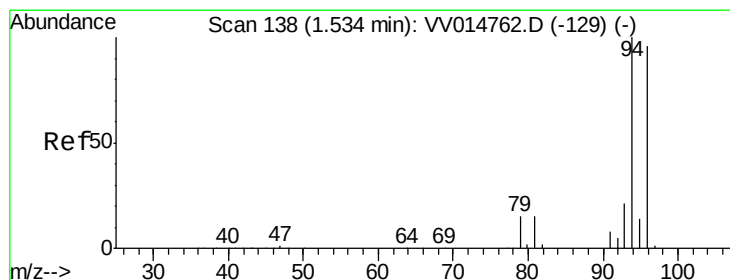
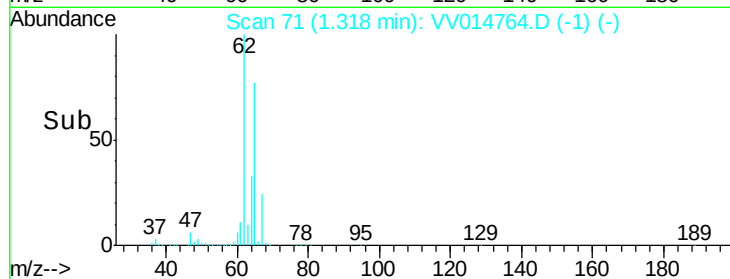
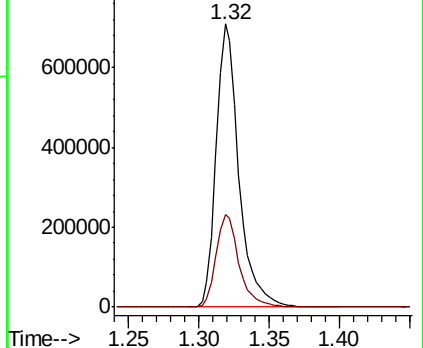
62 100

64 32.8 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV014762.D (-64) (-)

Ion 64.00 (63.70 to 64.70): VV014762.D (-64) (-)



#6

Bromomethane

Concen: 366.335 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV014764.D

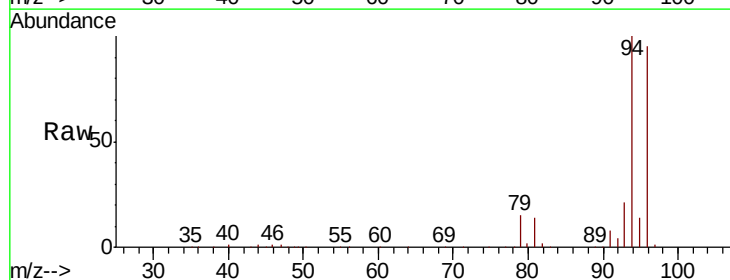
Acq: 06 Mar 2020 18:11

Tgt Ion: 94 Resp: 491948

Ion Ratio Lower Upper

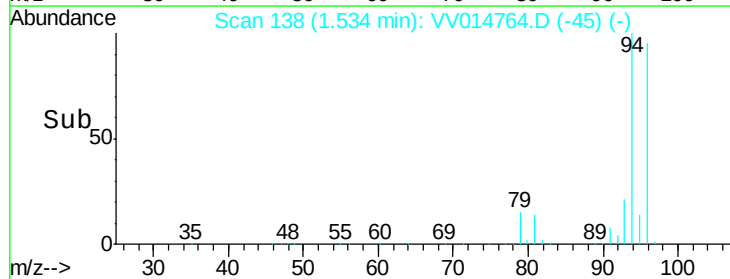
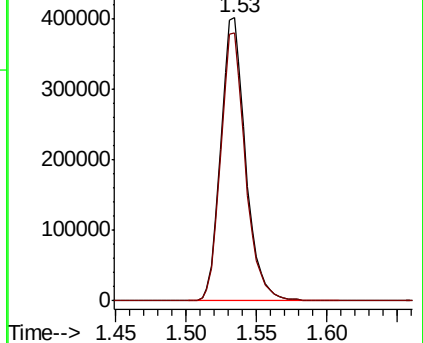
94 100

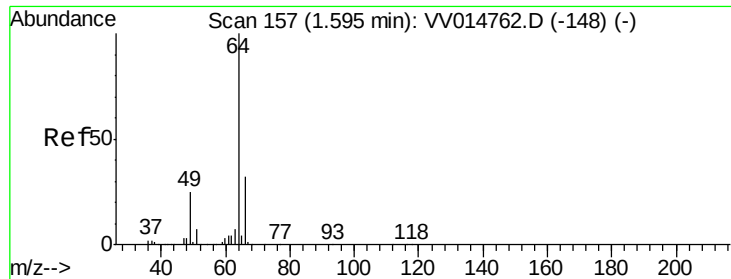
96 94.8 67.2 124.8



Abundance Ion 94.00 (93.70 to 94.70): VV014762.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV014762.D (-129) (-)

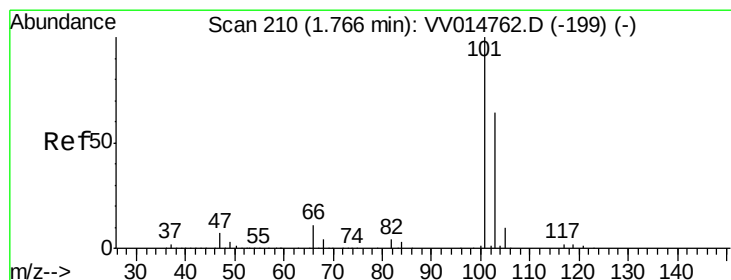
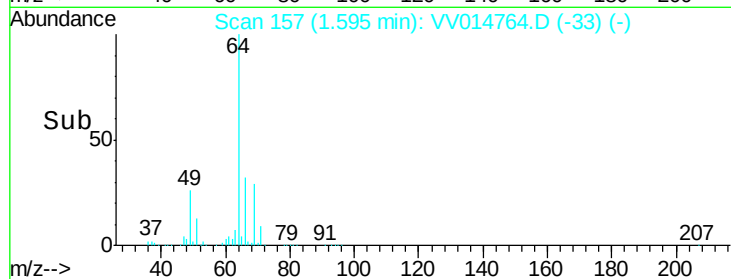
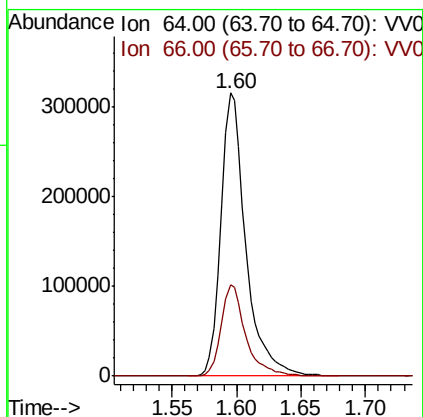
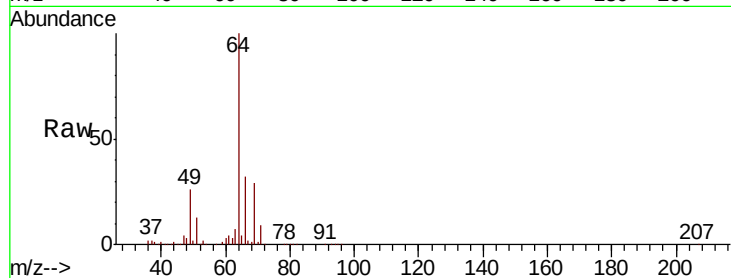




#8
Chloroethane
Concen: 337.716 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV014764.D
Acq: 06 Mar 2020 18:11

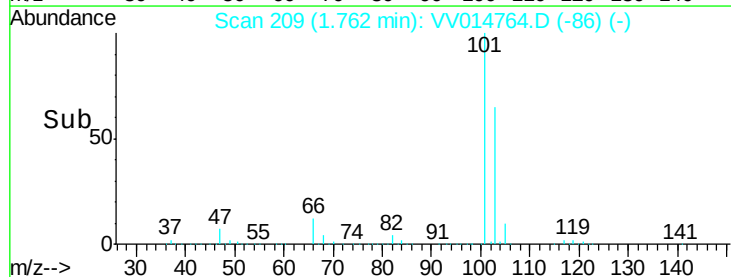
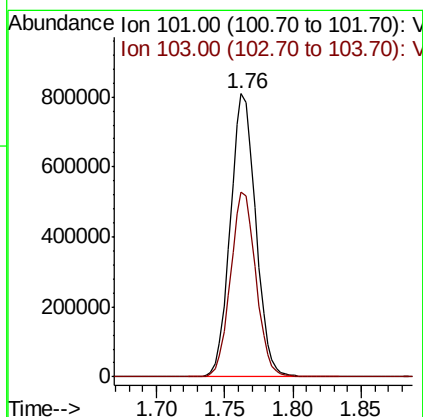
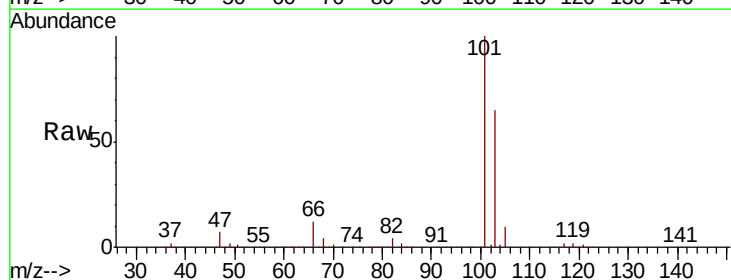
Instrument :
MSVOA_V
ClientSampleId :

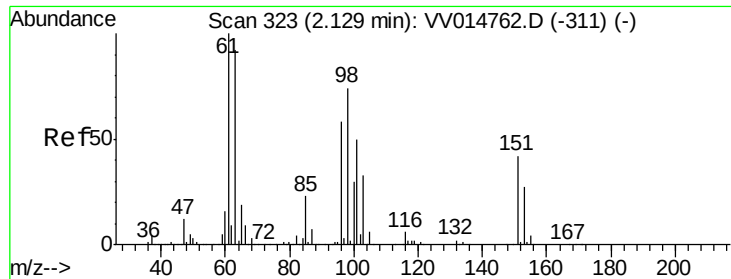
Tot Ion: 64 Resp: 419446
Ion Ratio Lower Upper
64 100
66 32.3 22.6 42.0



#9
Trichlorofluoromethane
Concen: 247.928 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV014764.D
Acq: 06 Mar 2020 18:11

Tgt Ion:101 Resp: 1049563
Ion Ratio Lower Upper
101 100
103 65.0 51.8 77.8





#10

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

Concen: 288.138 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV014764.D

Acq: 06 Mar 2020 18:11

Instrument :

MSVOA_V

ClientSampleId :

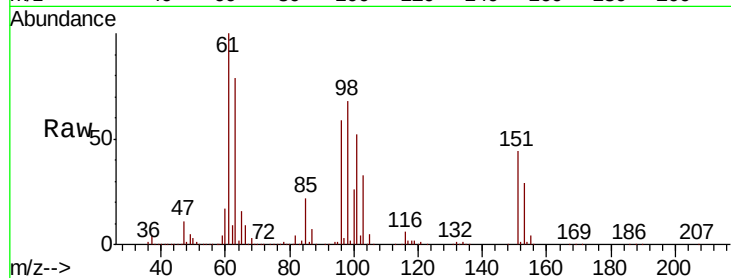
Tot Ion:101 Resp: 532169

Ion Ratio Lower Upper

101 100

85 42.2 35.0 52.6

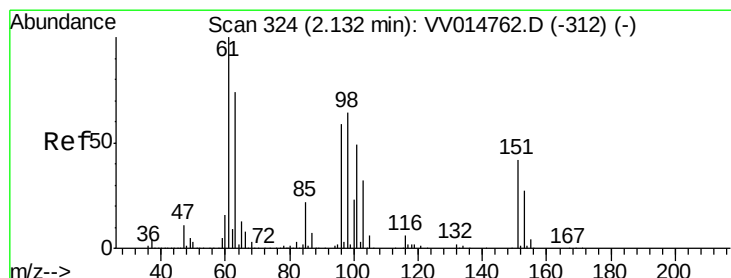
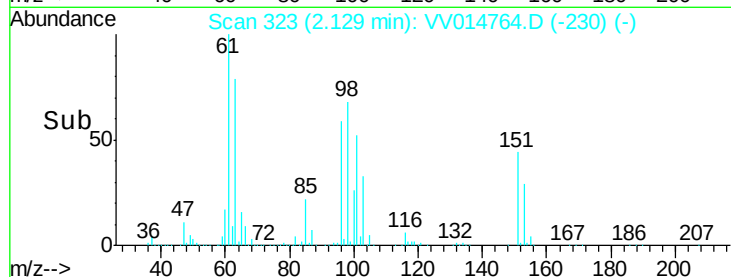
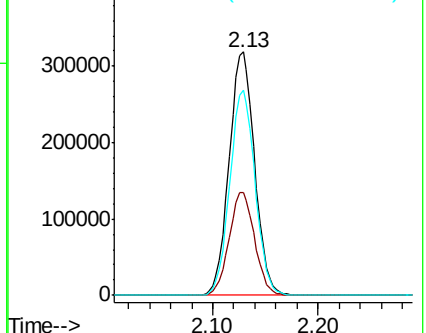
151 83.7 66.4 99.6



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: 299.955 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV014764.D

Acq: 06 Mar 2020 18:11

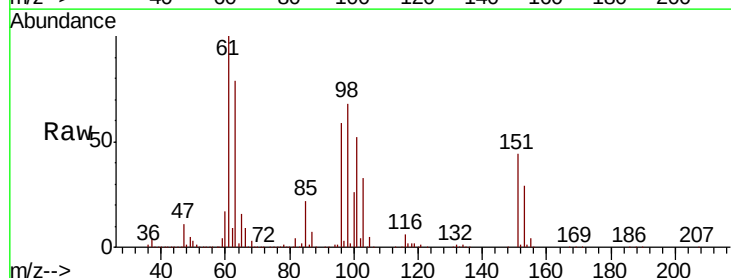
Tgt Ion: 96 Resp: 515633

Ion Ratio Lower Upper

96 100

61 170.1 118.4 220.0

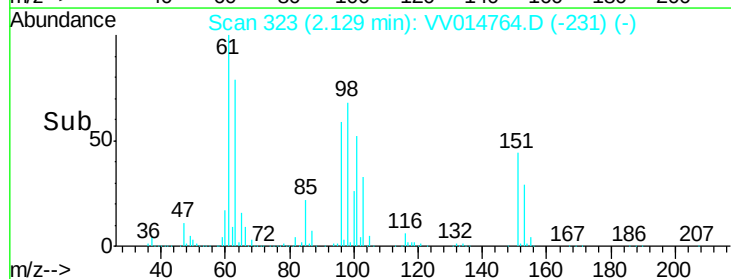
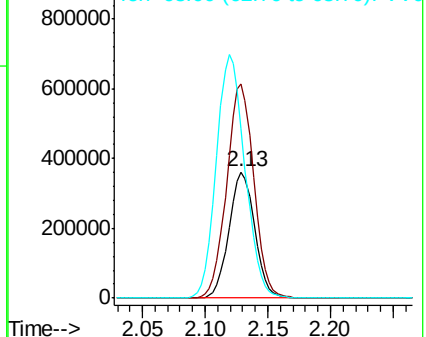
63 134.2 88.4 164.2

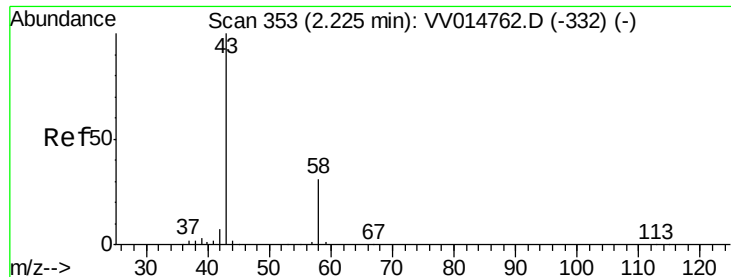


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 437.766 ug/L

RT: 2.22 min Scan# 351

Delta R.T. -0.01 min

Lab File: VV014764.D

Acq: 06 Mar 2020 18:11

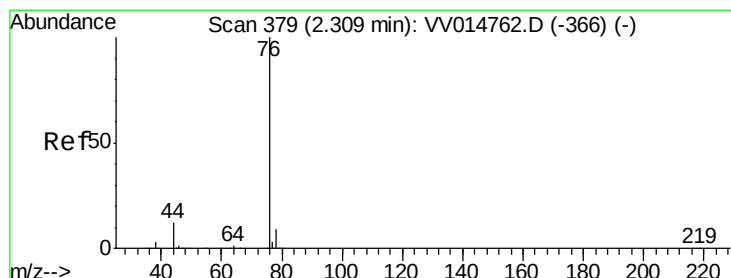
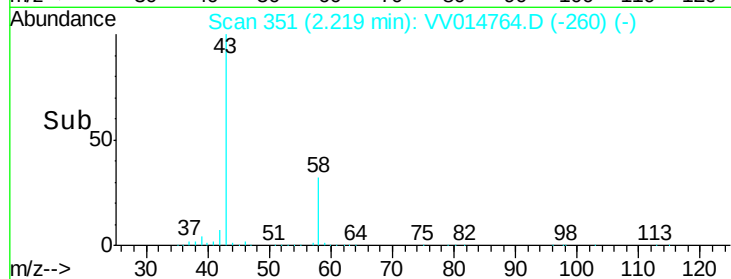
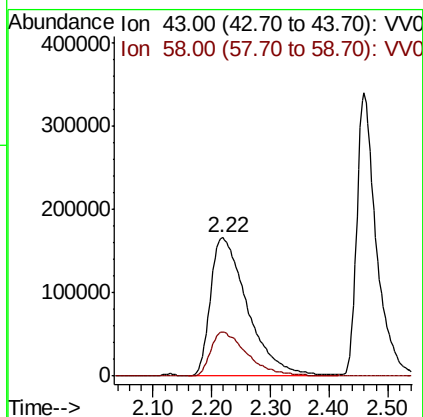
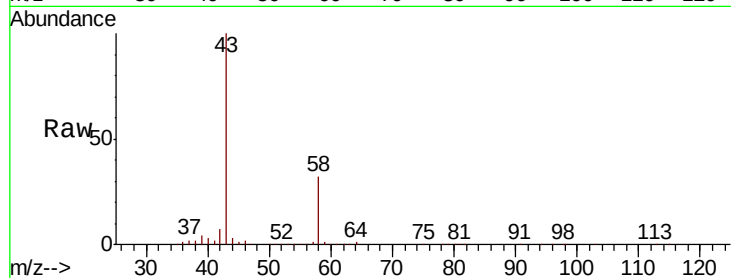
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 727732

Ion Ratio Lower Upper

43 100

58 31.7 0.0 62.2



#14

Carbon disulfide

Concen: 252.666 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV014764.D

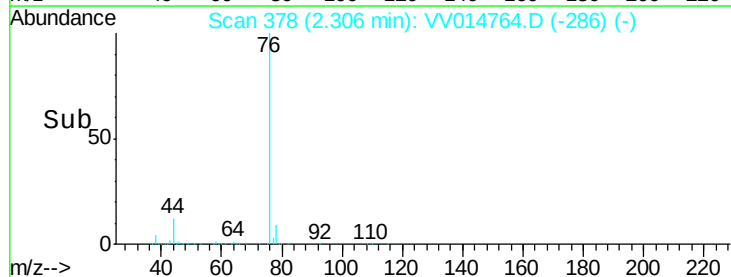
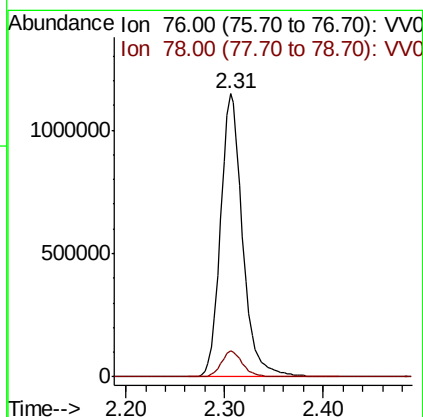
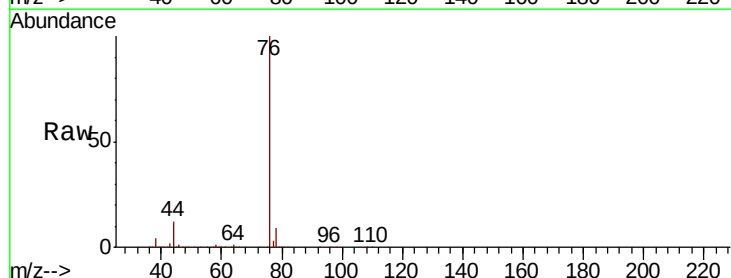
Acq: 06 Mar 2020 18:11

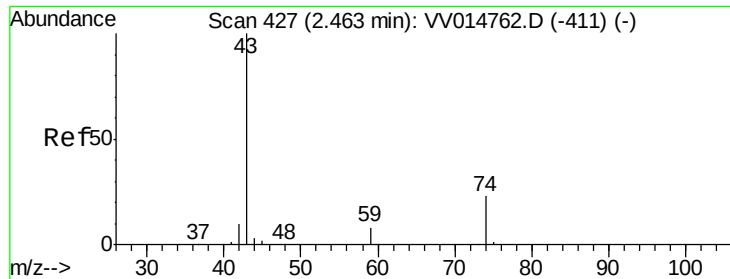
Tgt Ion: 76 Resp: 1802256

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7

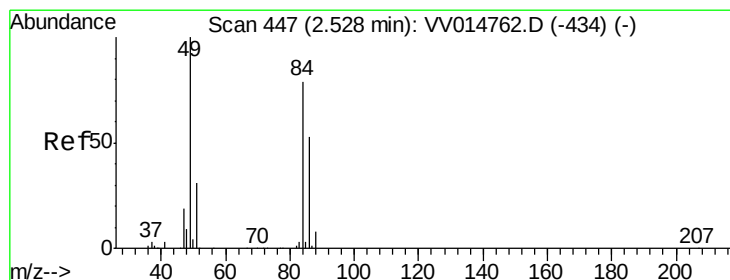
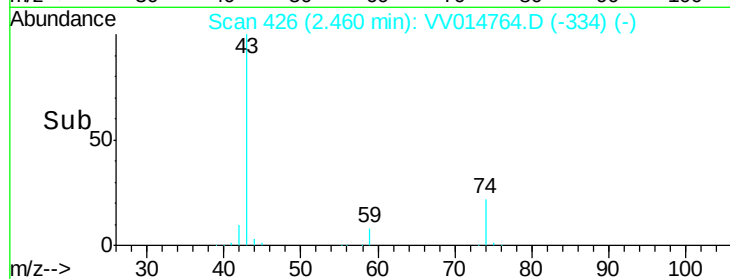
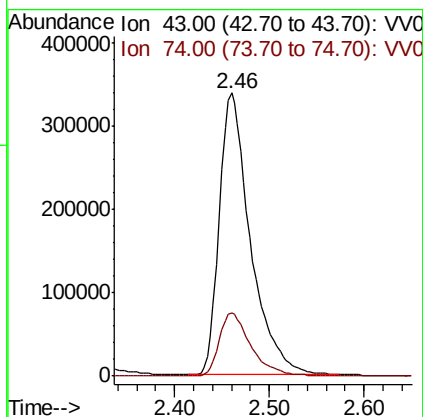
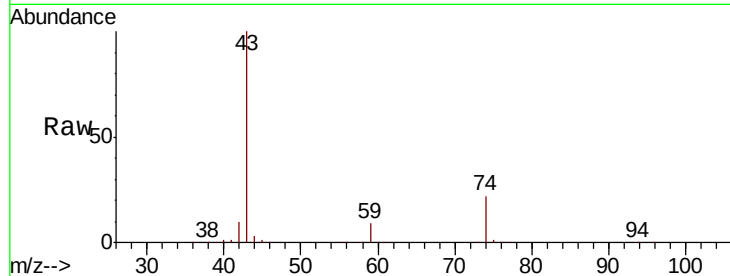




#15
Methvl Acetate
Concen: 271.268 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.00 min
Lab File: VV014764.D
Acq: 06 Mar 2020 18:11

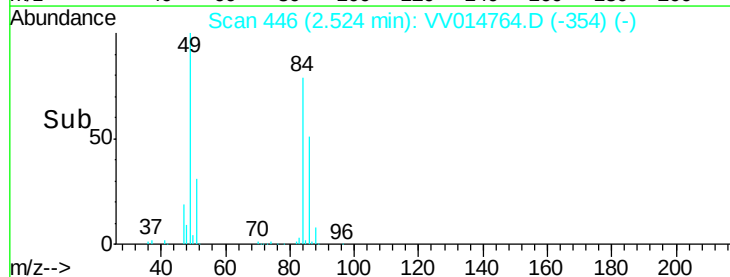
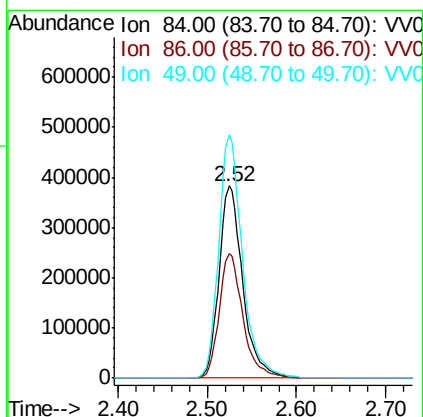
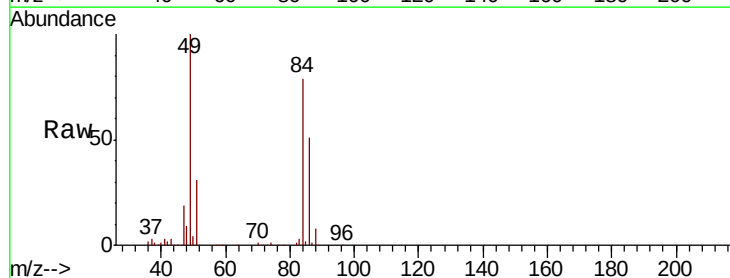
Instrument :
MSVOA_V
ClientSampleId :

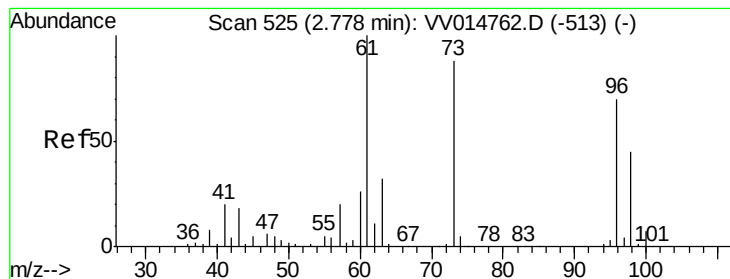
Tot Ion: 43 Resp: 774251
Ion Ratio Lower Upper
43 100
74 22.8 17.9 26.9



#16
Methylene chloride
Concen: 221.571 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV014764.D
Acq: 06 Mar 2020 18:11

Tgt Ion: 84 Resp: 706410
Ion Ratio Lower Upper
84 100
86 65.1 47.3 87.9
49 126.8 88.7 164.7





#17

trans-1,2-Dichloroethene

Concen: 220.556 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV014764.D

Acq: 06 Mar 2020 18:11

Instrument :

MSVOA_V

ClientSampleId :

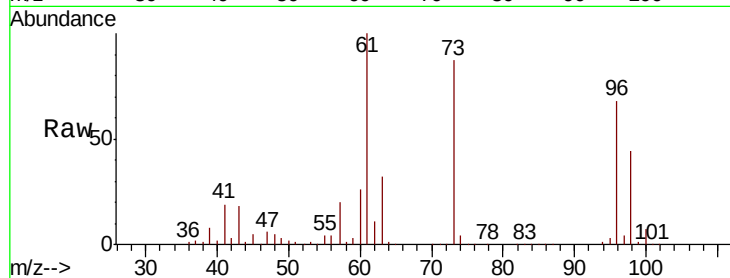
Tot Ion: 96 Resp: 652394

Ion Ratio Lower Upper

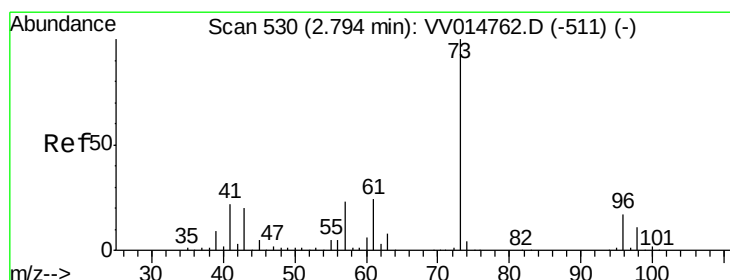
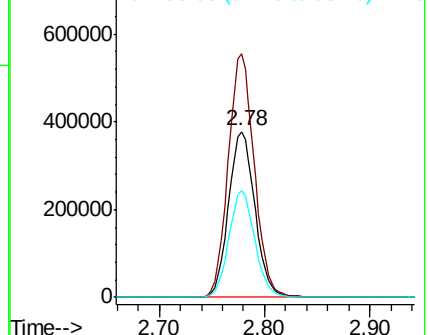
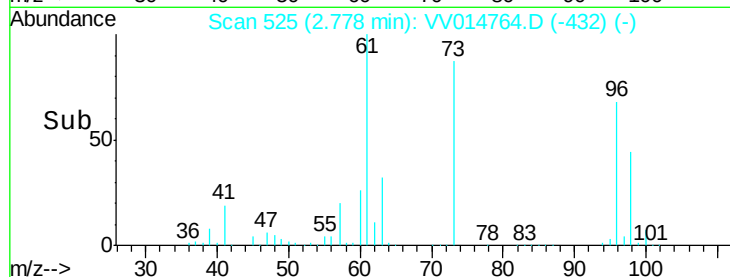
96 100

61 147.0 100.5 186.7

98 64.0 45.1 83.7



Abundance Ion 96.00 (95.70 to 96.70): VV014764.D (-432) (-)



#18

Methyl tert-butyl Ether

Concen: 220.102 ug/L

RT: 2.79 min Scan# 530

Delta R.T. -0.00 min

Lab File: VV014764.D

Acq: 06 Mar 2020 18:11

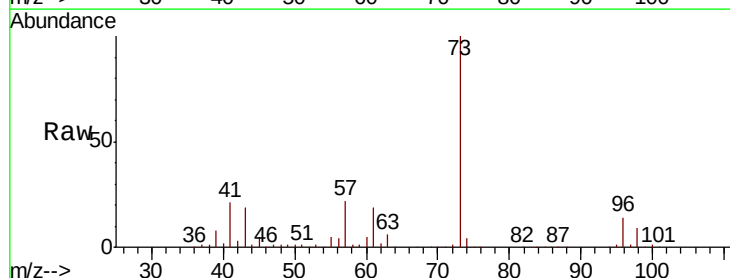
Tgt Ion: 73 Resp: 2172828

Ion Ratio Lower Upper

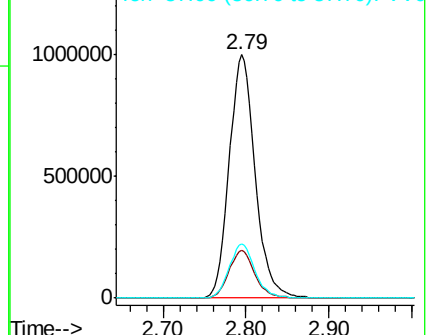
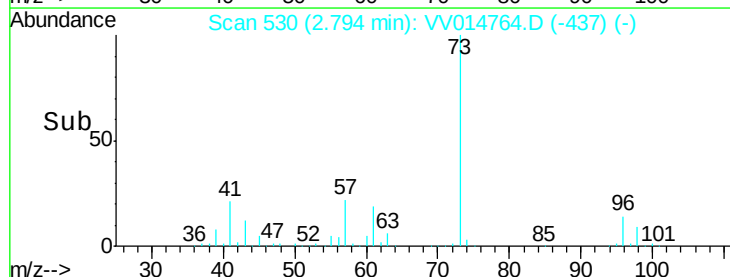
73 100

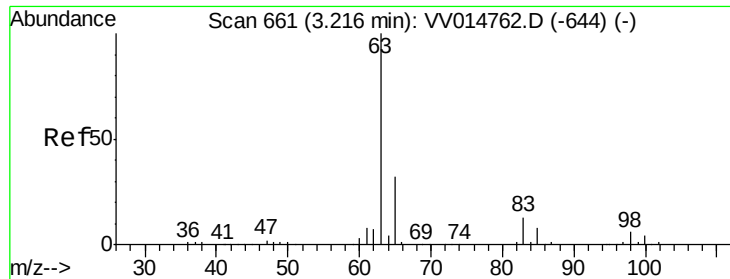
43 19.5 15.9 23.9

57 22.3 18.0 27.0



Abundance Ion 73.00 (72.70 to 73.70): VV014764.D (-437) (-)

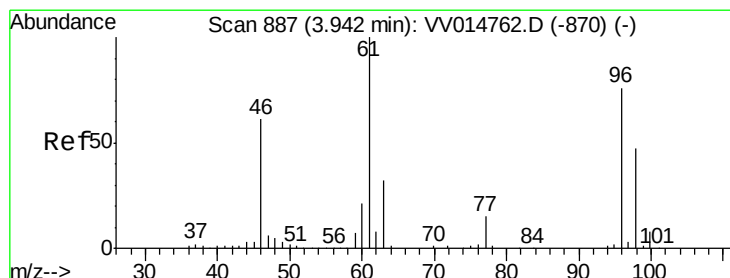
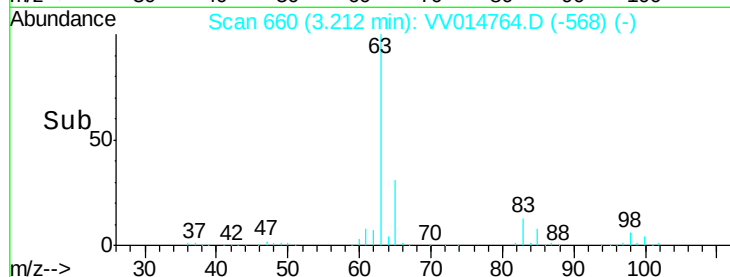
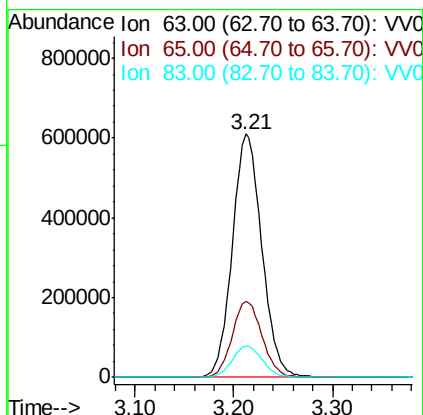
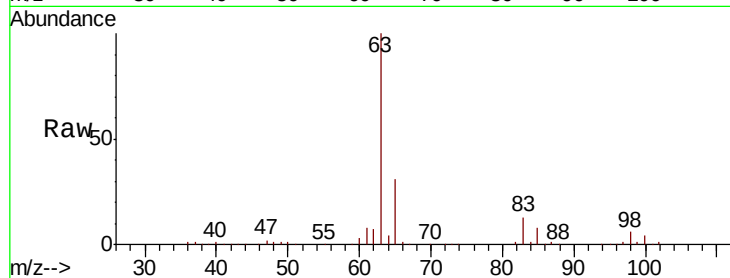




#19
 1,1-Dichloroethane
 Concen: 232.980 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. -0.00 min
 Lab File: VV014764.D
 Acq: 06 Mar 2020 18:11

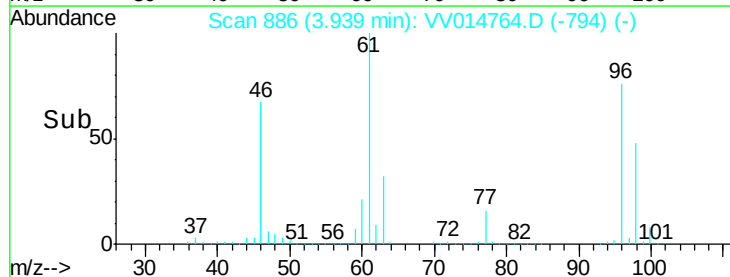
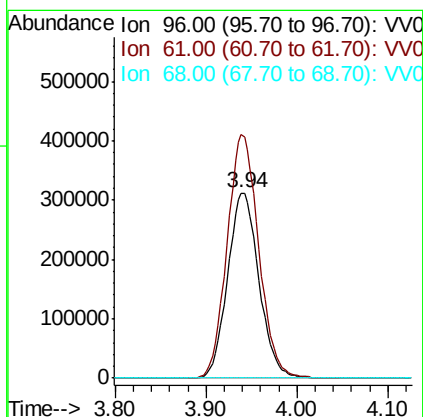
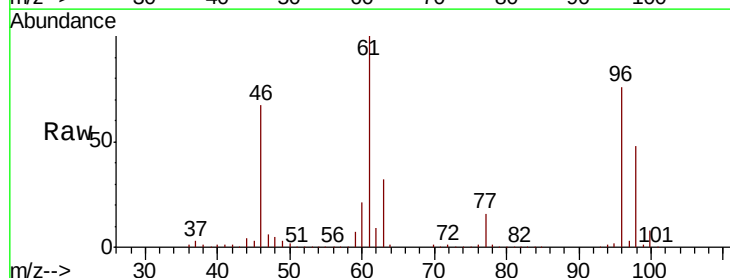
Instrument :
 MSVOA_V
 ClientSampleId :

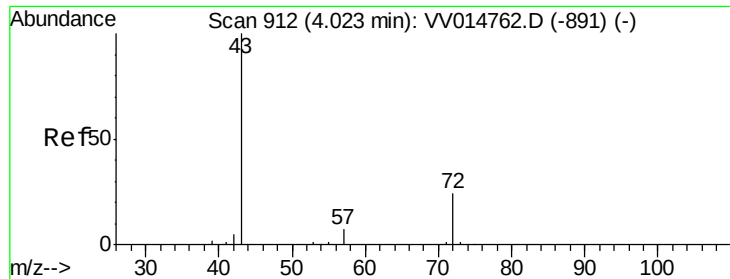
Tot Ion: 63 Resp: 1268235
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.5 41.7
 83 12.8 9.1 16.9



#20
 cis-1,2-Dichloroethene
 Concen: 219.381 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV014764.D
 Acq: 06 Mar 2020 18:11

Tgt Ion: 96 Resp: 745664
 Ion Ratio Lower Upper
 96 100
 61 131.5 92.2 171.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 549.399 ug/L

RT: 4.02 min Scan# 911

Delta R.T. -0.00 min

Lab File: VV014764.D

Acq: 06 Mar 2020 18:11

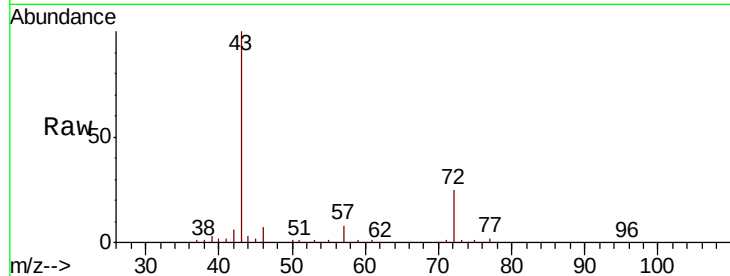
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 1187026

Ion Ratio Lower Upper

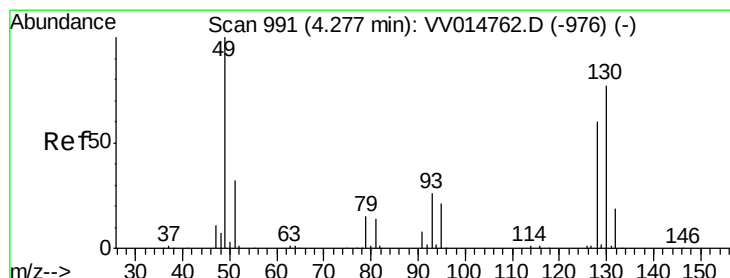
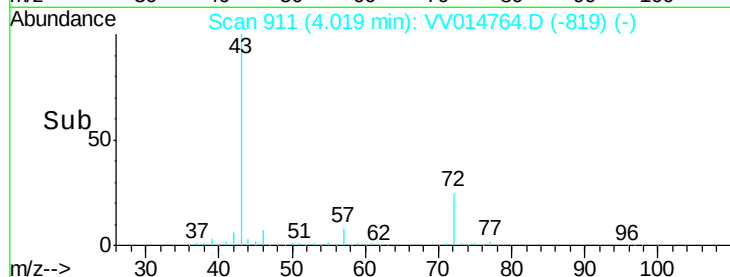
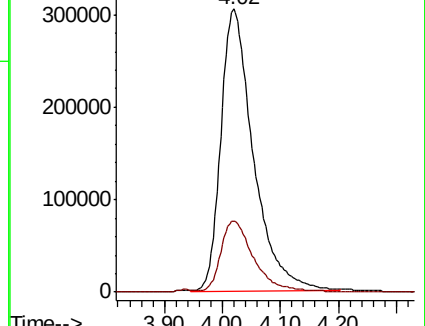
43 100

72 24.6 12.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VV014762.D (-891) (-)

Ion 72.00 (71.70 to 72.70): VV014762.D (-891) (-)



#23

Bromochloromethane

Concen: 215.896 ug/L

RT: 4.28 min Scan# 991

Delta R.T. -0.00 min

Lab File: VV014764.D

Acq: 06 Mar 2020 18:11

Tgt Ion:128 Resp: 370649

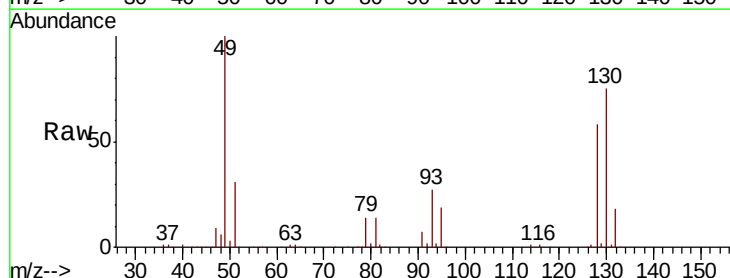
Ion Ratio Lower Upper

128 100

49 173.0 116.3 215.9

130 129.1 88.9 165.1

51 53.0 43.0 64.6

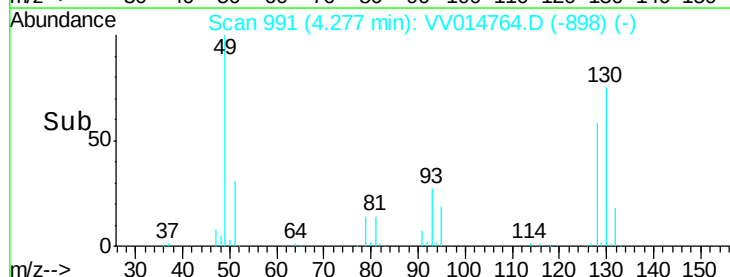
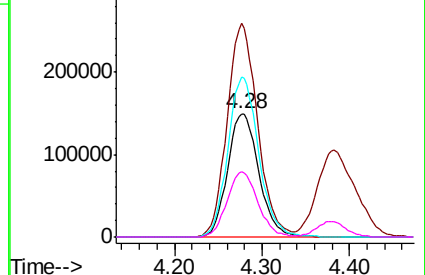


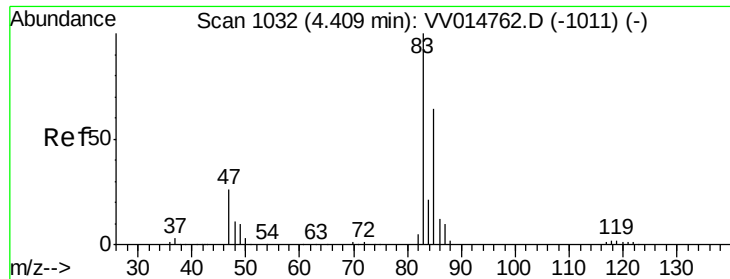
Abundance Ion 128.00 (127.70 to 128.70): VV014762.D (-976) (-)

Ion 49.00 (48.70 to 49.70): VV014762.D (-976) (-)

Ion 130.00 (129.70 to 130.70): VV014762.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VV014762.D (-976) (-)

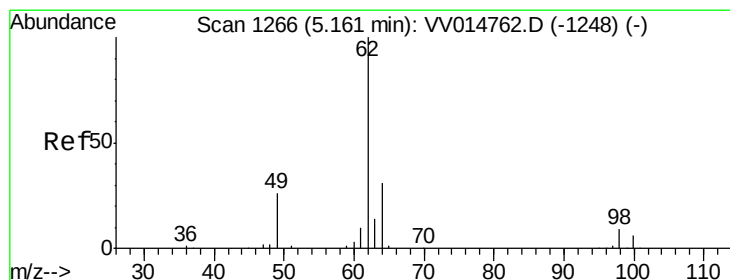
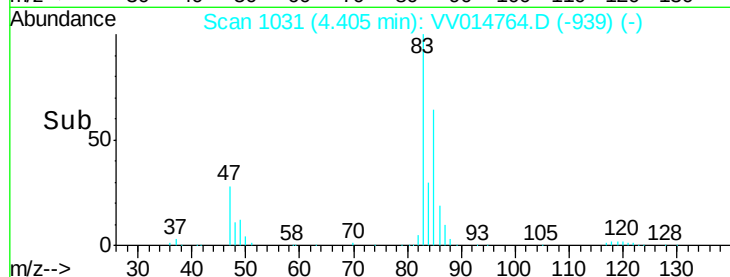
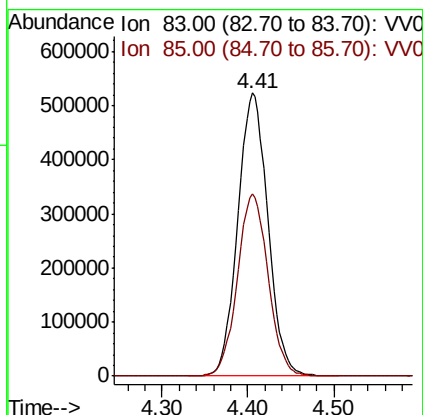
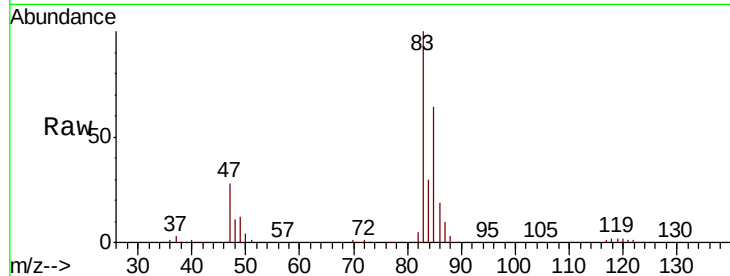




#25
Chloroform
Concen: 206.259 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VV014764.D
Acq: 06 Mar 2020 18:11

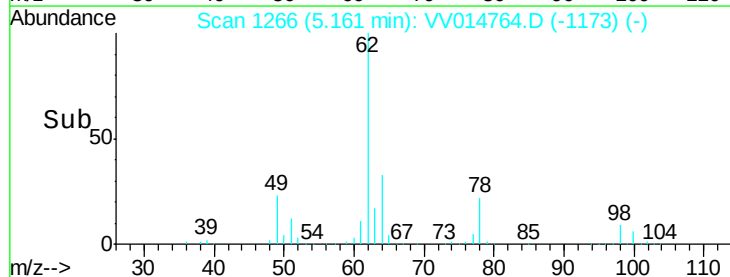
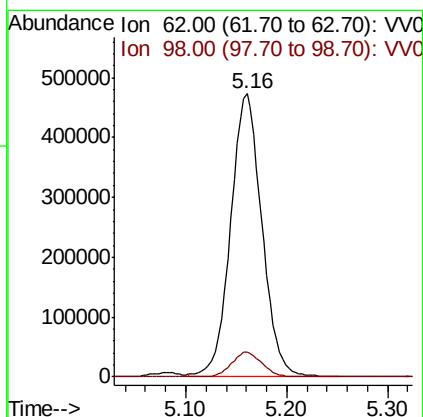
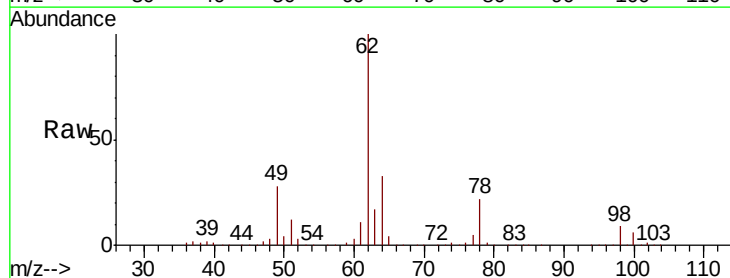
Instrument :
MSVOA_V
ClientSampleId :

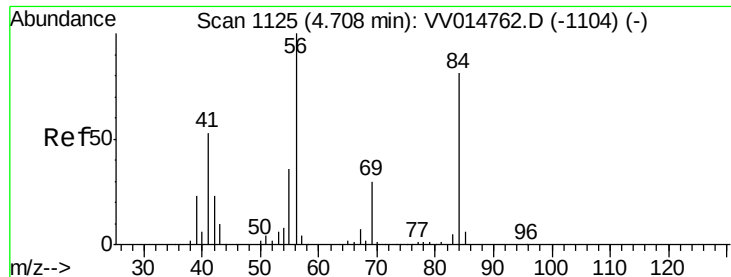
Tot Ion: 83 Resp: 1275390
Ion Ratio Lower Upper
83 100
85 64.3 45.1 83.9



#27
1,2-Dichloroethane
Concen: 224.562 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. -0.00 min
Lab File: VV014764.D
Acq: 06 Mar 2020 18:11

Tgt Ion: 62 Resp: 1019449
Ion Ratio Lower Upper
62 100
98 8.8 7.2 10.8

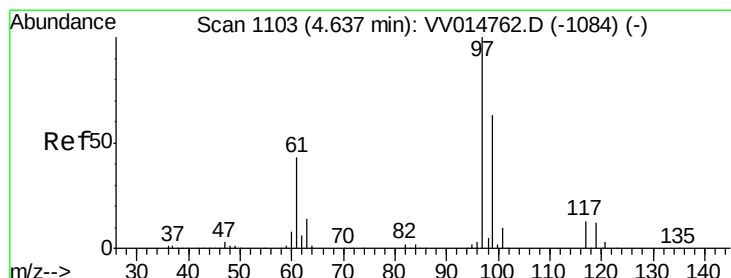
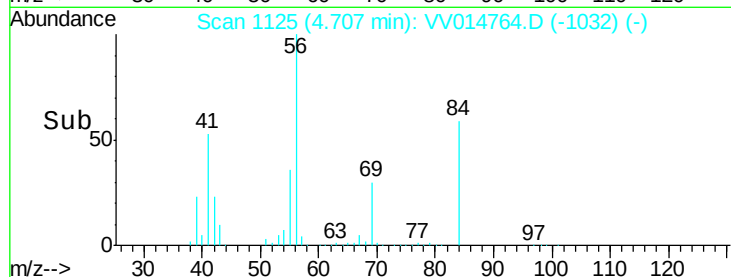
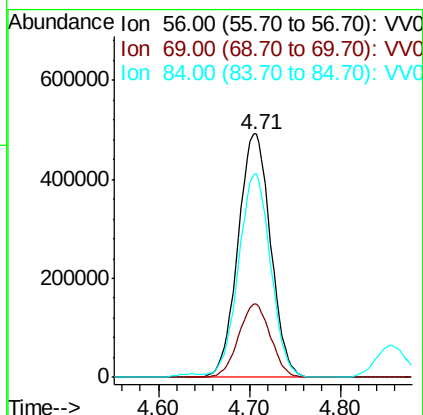
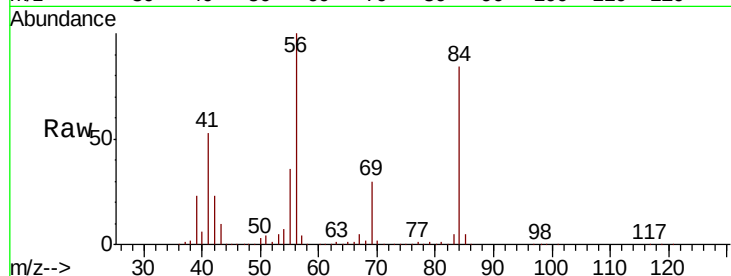




#29
Cyclohexane
Concen: 252.251 ug/L
RT: 4.71 min Scan# 1125
Delta R.T. -0.00 min
Lab File: VV014764.D
Acq: 06 Mar 2020 18:11

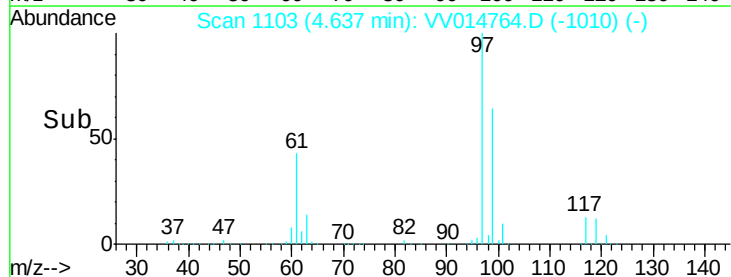
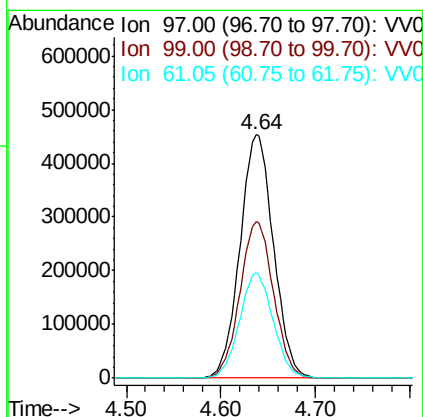
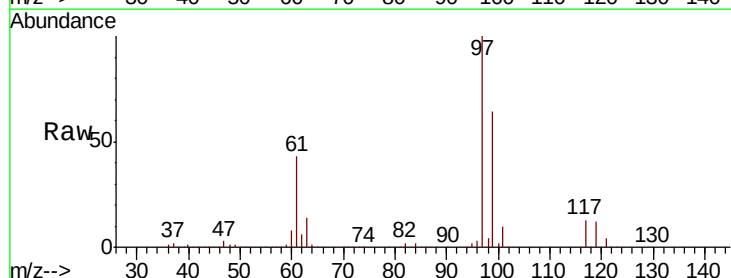
Instrument :
MSVOA_V
ClientSampleId :

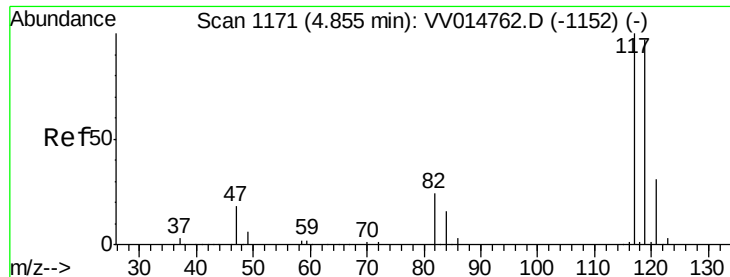
Tot Ion: 56 Resp: 1222412
Ion Ratio Lower Upper
56 100
69 29.6 23.5 35.3
84 82.6 65.3 97.9



#30
1,1,1-Trichloroethane
Concen: 197.231 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VV014764.D
Acq: 06 Mar 2020 18:11

Tgt Ion: 97 Resp: 1115080
Ion Ratio Lower Upper
97 100
99 64.3 51.6 77.4
61 43.4 34.6 52.0

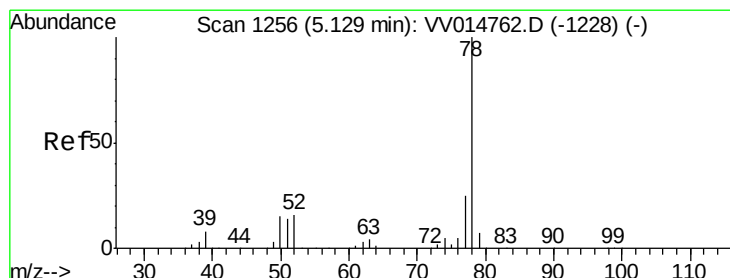
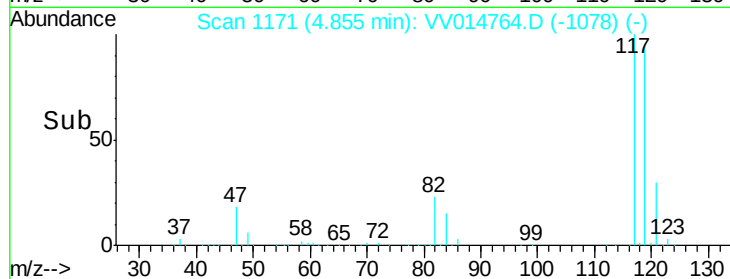
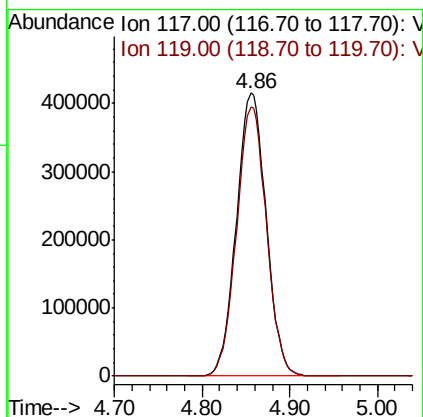
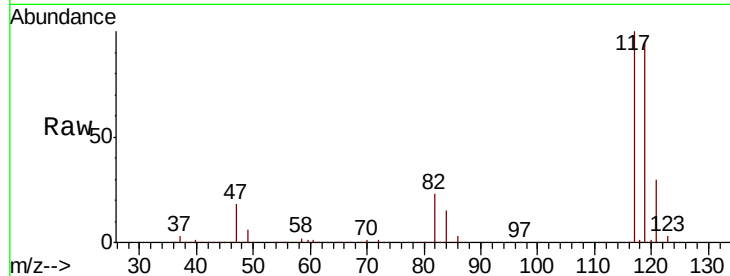




#31
Carbon tetrachloride
Concen: 197.260 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VV014764.D
Acq: 06 Mar 2020 18:11

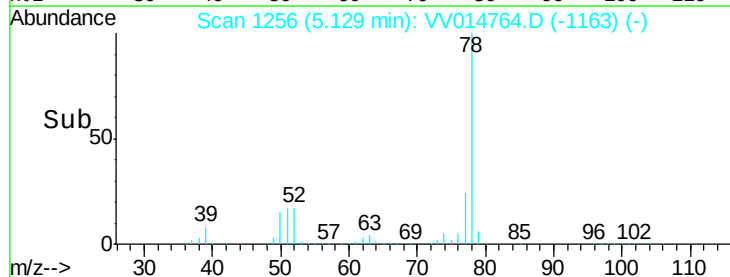
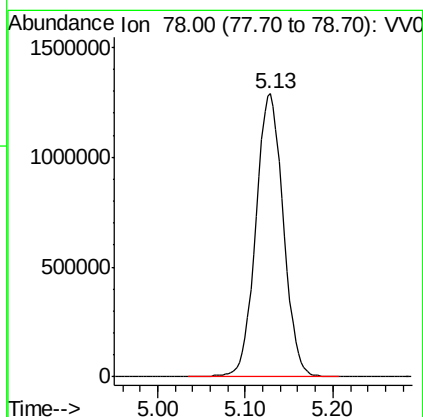
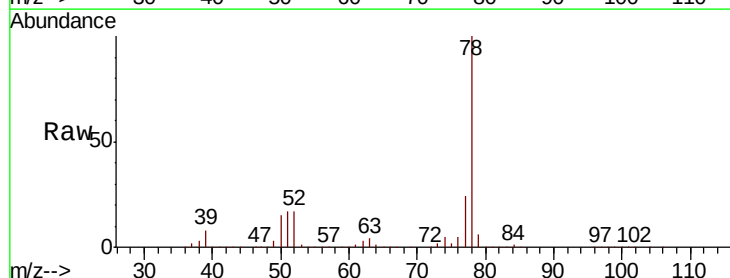
Instrument :
MSVOA_V
ClientSampleId :

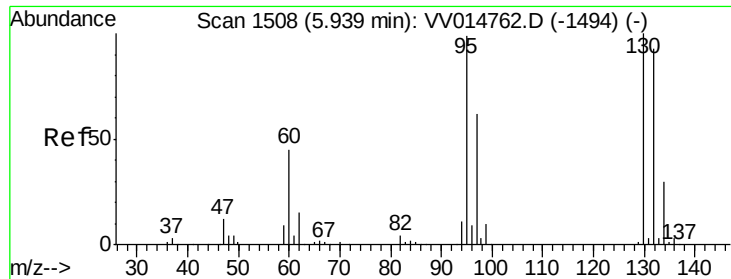
Tot Ion:117 Resp: 982151
Ion Ratio Lower Upper
117 100
119 95.4 76.5 114.7



#33
Benzene
Concen: 217.584 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. -0.00 min
Lab File: VV014764.D
Acq: 06 Mar 2020 18:11

Tgt Ion: 78 Resp: 2805351

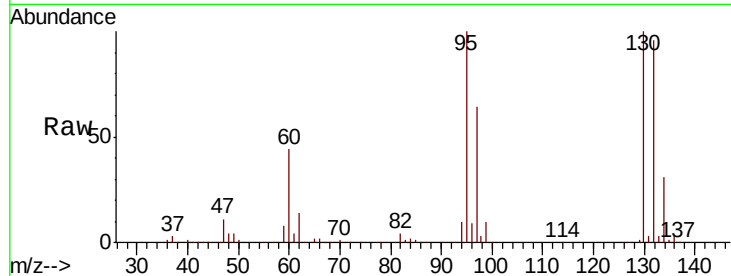




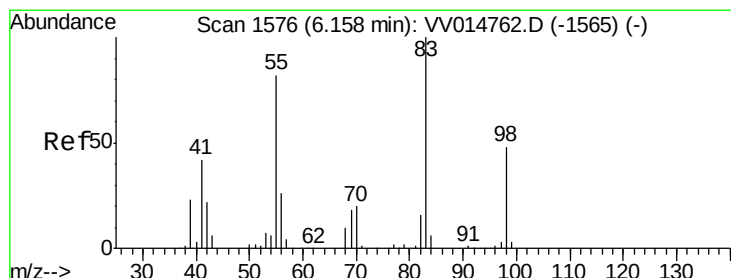
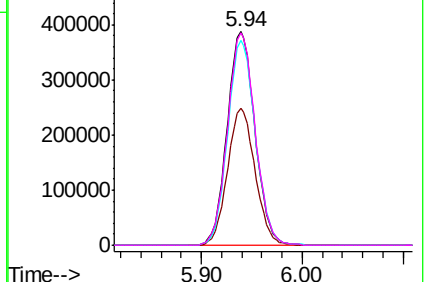
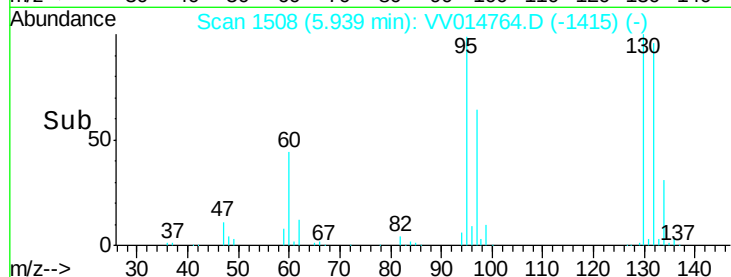
#34
 Trichloroethene
 Concen: 201.406 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. -0.00 min
 Lab File: VV014764.D
 Acq: 06 Mar 2020 18:11

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 95 Resp: 742940
 Ion Ratio Lower Upper
 95 100
 97 64.2 43.8 81.4
 132 96.0 65.8 122.2
 130 99.5 70.6 131.2

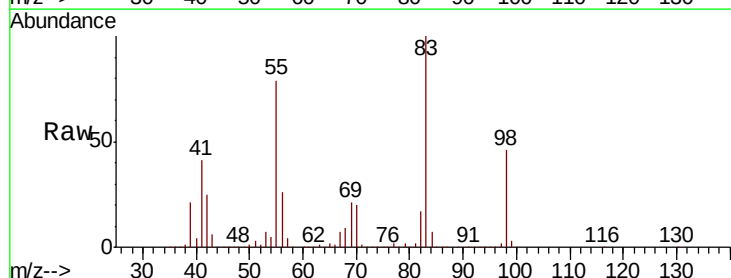


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

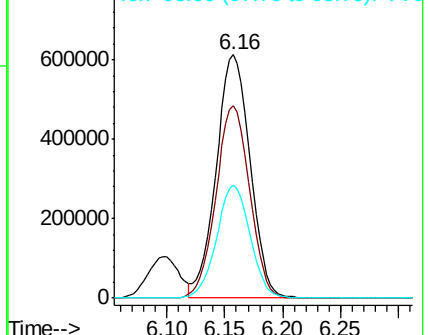
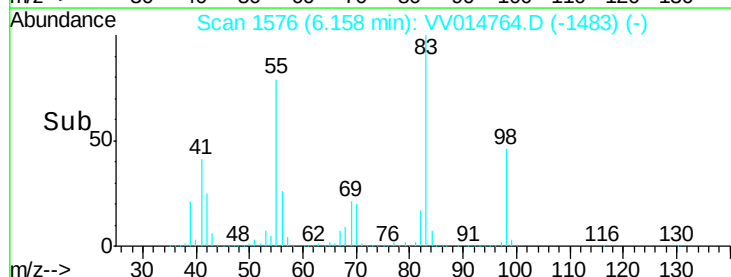


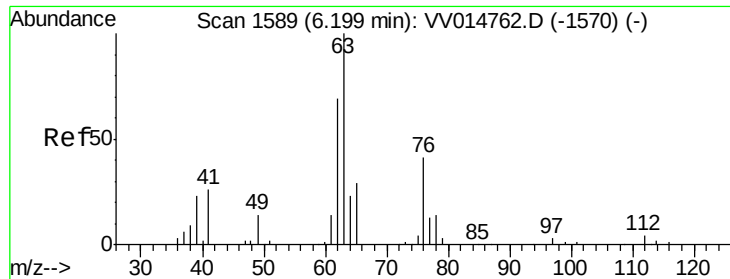
#35
 Methylcyclohexane
 Concen: 232.382 ug/L
 RT: 6.16 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VV014764.D
 Acq: 06 Mar 2020 18:11

Tgt Ion: 83 Resp: 1246443
 Ion Ratio Lower Upper
 83 100
 55 78.3 63.4 95.2
 98 45.9 36.8 55.2



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

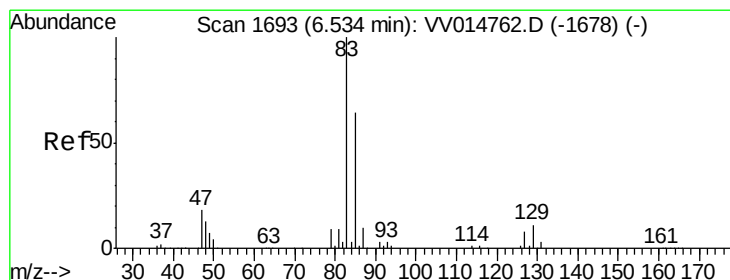
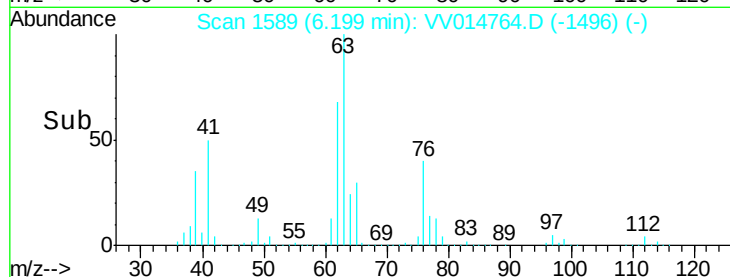
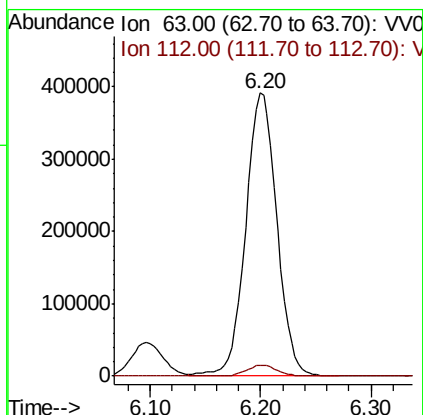
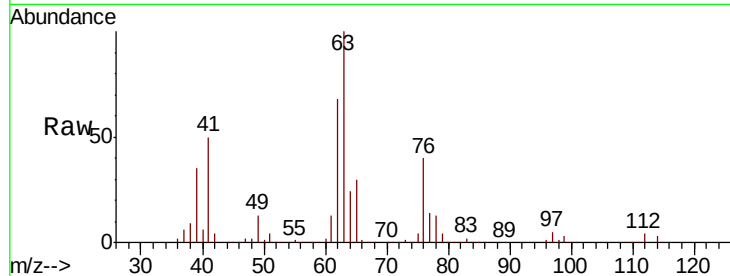




#37
 1,2-Dichloropropane
 Concen: 237.046 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. -0.00 min
 Lab File: VV014764.D
 Acq: 06 Mar 2020 18:11

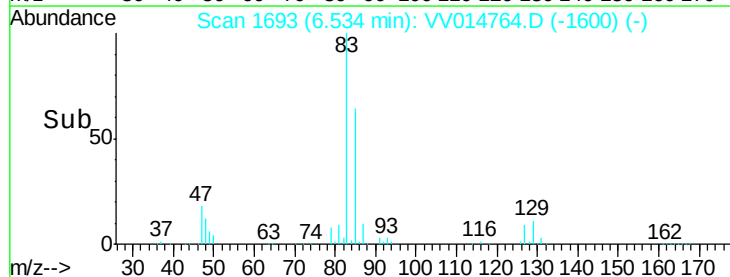
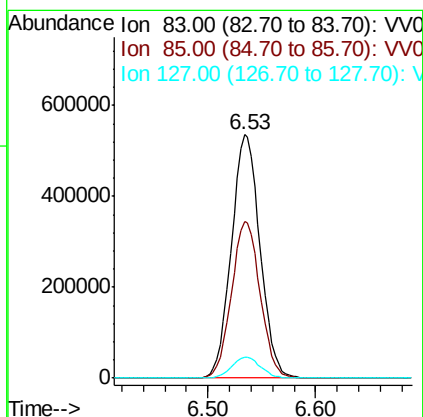
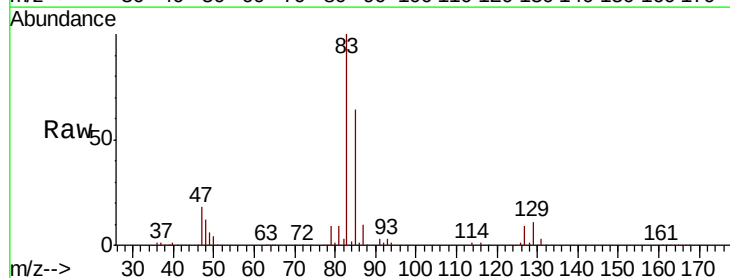
Instrument :
 MSVOA_V
 ClientSampled :

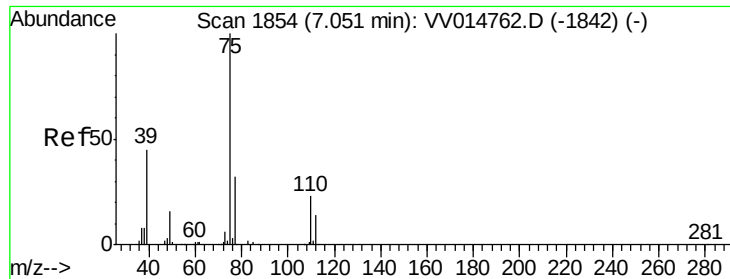
Tot Ion: 63 Resp: 762724
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.2 4.8



#38
 Bromodichloromethane
 Concen: 207.959 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VV014764.D
 Acq: 06 Mar 2020 18:11

Tgt Ion: 83 Resp: 989131
 Ion Ratio Lower Upper
 83 100
 85 64.1 45.1 83.7
 127 8.8 6.7 10.1

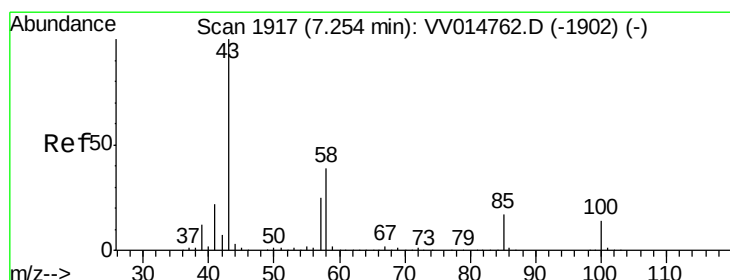
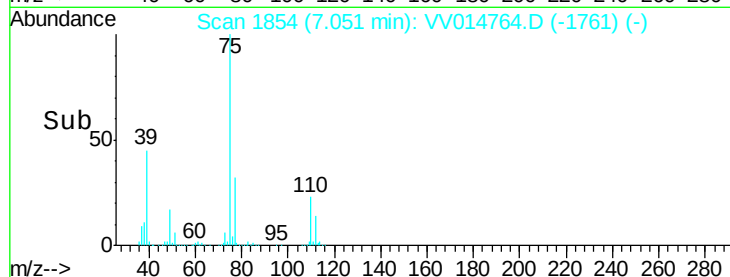
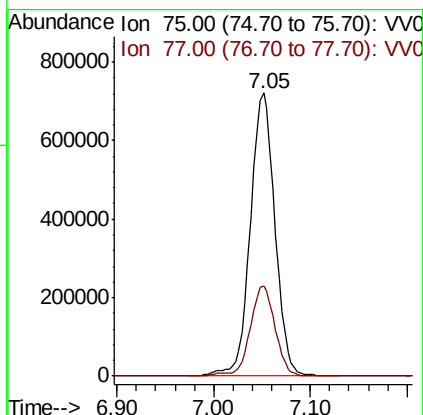
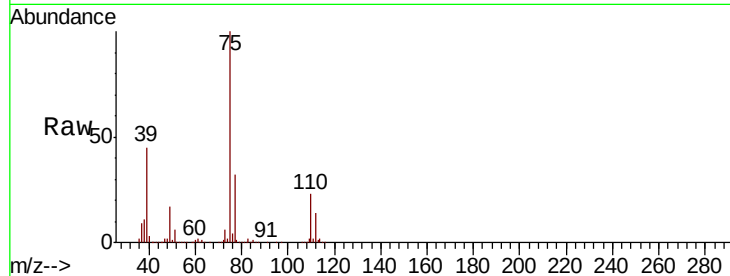




#39
 cis-1,3-Dichloropropene
 Concen: 229.881 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VV014764.D
 Acq: 06 Mar 2020 18:11

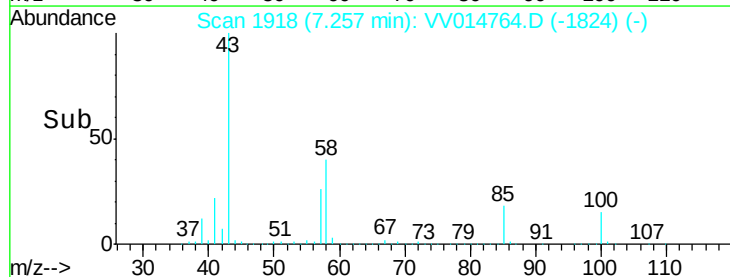
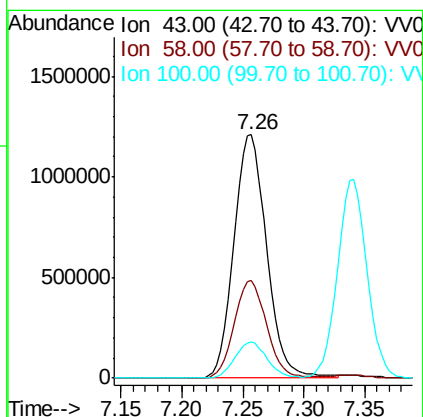
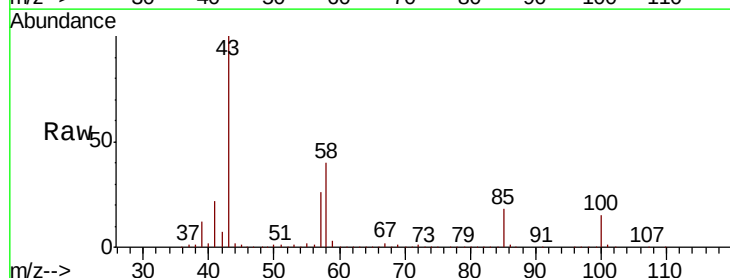
Instrument :
 MSVOA_V
 ClientSampleId :

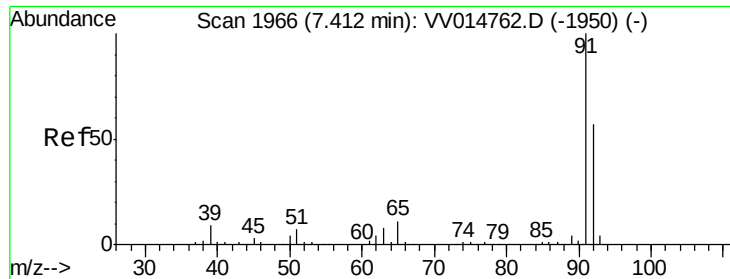
Tot Ion: 75 Resp: 1276888
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.8 42.4



#40
 4-Methyl-2-pentanone
 Concen: 544.990 ug/L
 RT: 7.26 min Scan# 1918
 Delta R.T. 0.00 min
 Lab File: VV014764.D
 Acq: 06 Mar 2020 18:11

Tgt Ion: 43 Resp: 2254315
 Ion Ratio Lower Upper
 43 100
 58 39.6 31.0 46.4
 100 14.7 11.2 16.8





#42

Toluene

Concen: 223.495 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. -0.00 min

Lab File: VV014764.D

Acq: 06 Mar 2020 18:11

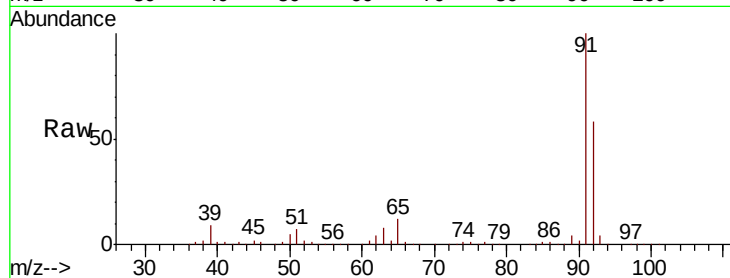
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 3122505

Ion Ratio Lower Upper

91 100

92 57.9 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV014762.D (-1950) (-)

Ion 92.00 (91.70 to 92.70): VV014762.D (-1950) (-)

7.41

2000000

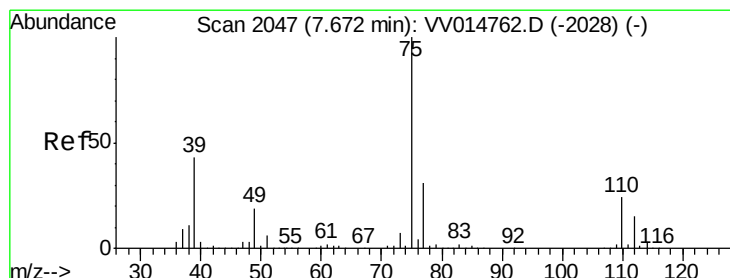
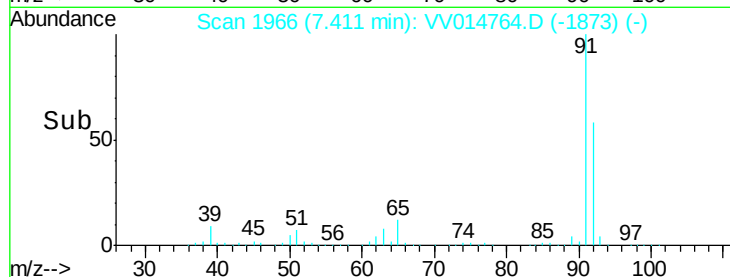
1500000

1000000

500000

0

Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 225.359 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV014764.D

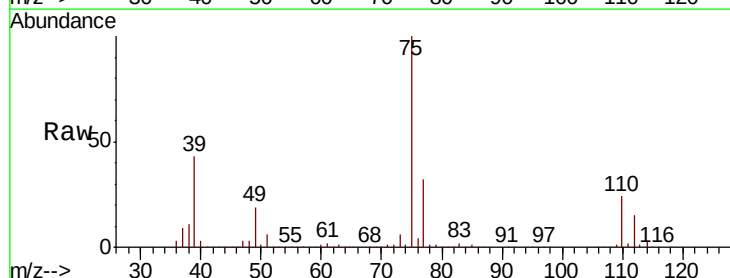
Acq: 06 Mar 2020 18:11

Tgt Ion: 75 Resp: 1140648

Ion Ratio Lower Upper

75 100

77 32.1 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VV014762.D (-2028) (-)

Ion 77.00 (76.70 to 77.70): VV014762.D (-2028) (-)

7.67

800000

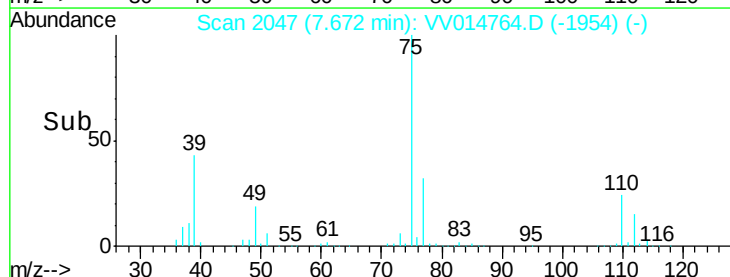
600000

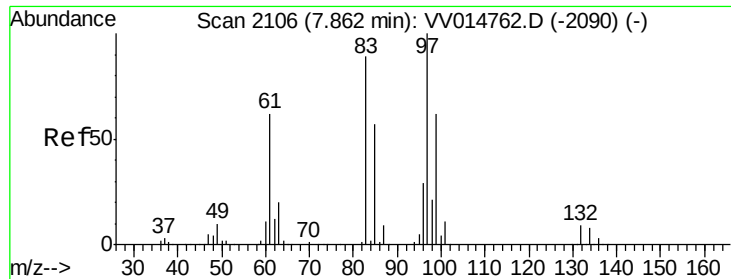
400000

200000

0

Time--> 7.60 7.70 7.80





#45

1,1,2-Trichloroethane

Concen: 210.757 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

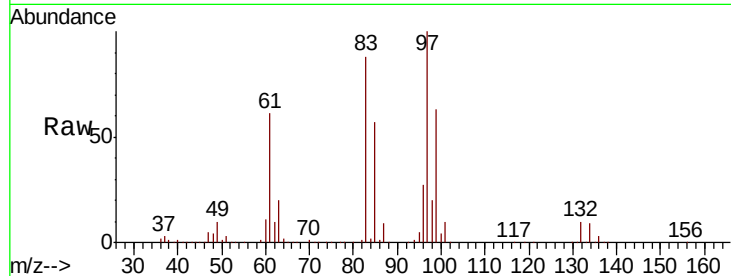
Lab File: VV014764.D

Acq: 06 Mar 2020 18:11

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 698107

Ion	Ratio	Lower	Upper
97	100		
99	62.8	43.1	80.1
83	88.4	62.4	115.8
85	56.8	40.1	74.5



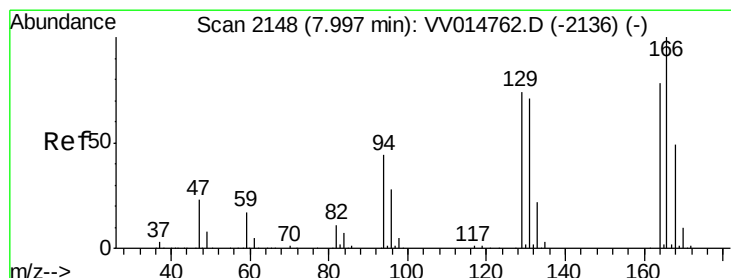
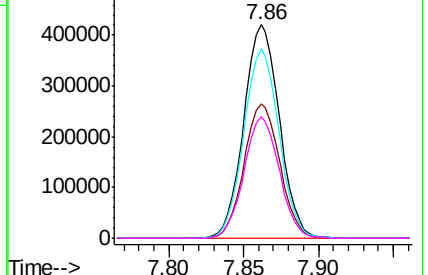
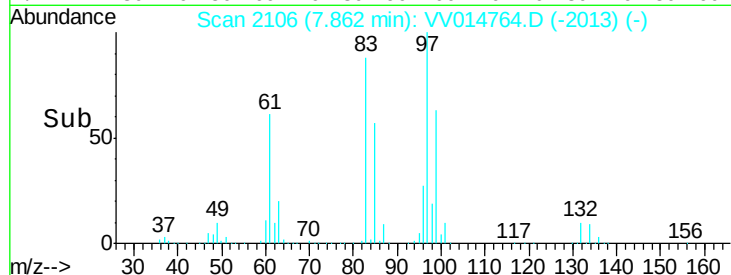
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 224.738 ug/L

RT: 8.00 min Scan# 2148

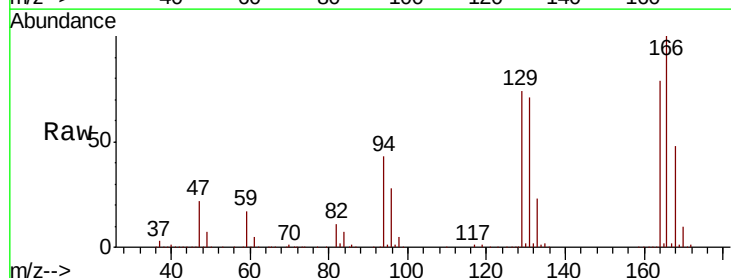
Delta R.T. -0.00 min

Lab File: VV014764.D

Acq: 06 Mar 2020 18:11

Tgt Ion: 164 Resp: 609281

Ion	Ratio	Lower	Upper
164	100		
129	93.6	66.0	122.6
131	89.8	63.9	118.7
166	127.1	89.7	166.7



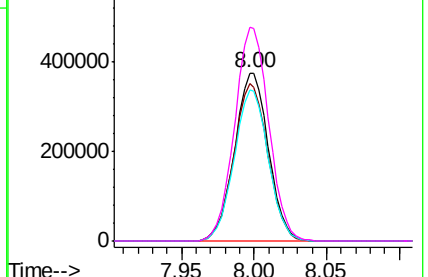
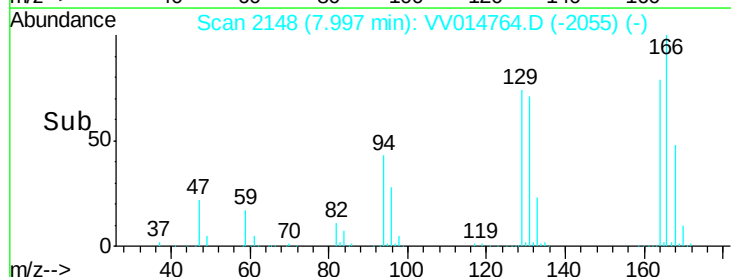
Abundance

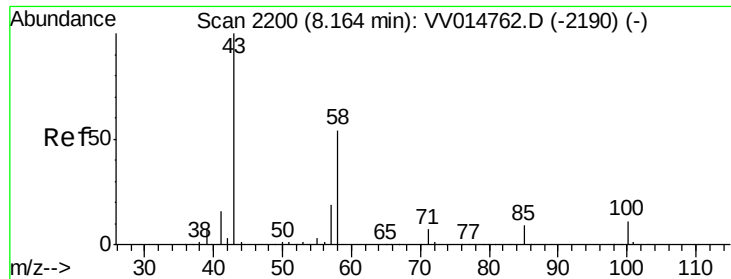
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

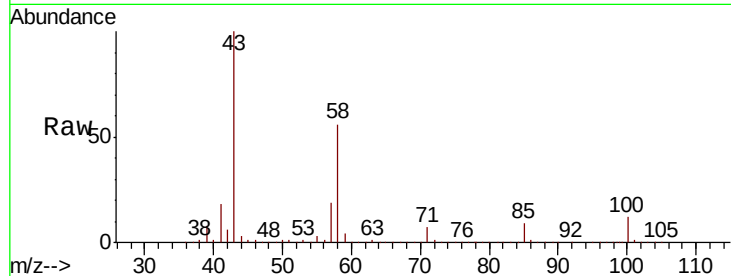




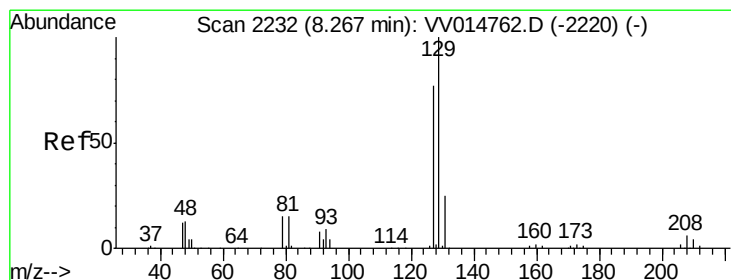
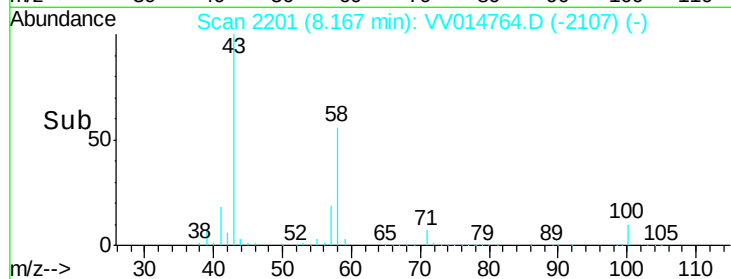
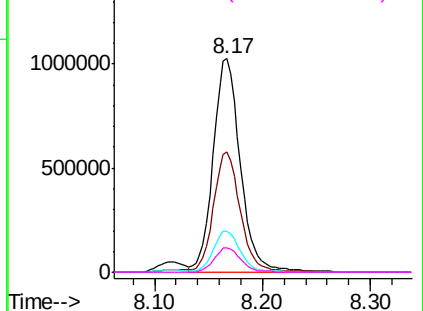
#48
2-Hexanone
Concen: 546.352 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.00 min
Lab File: VV014764.D
Acq: 06 Mar 2020 18:11

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 1780804
Ion Ratio Lower Upper
43 100
58 56.0 43.3 64.9
57 19.5 15.6 23.4
100 11.3 8.7 13.1

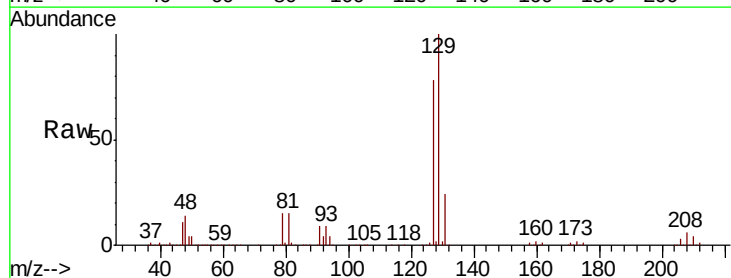


Abundance Ion 43.00 (42.70 to 43.70): VV014764.D (-2190) (-)
Ion 58.00 (57.70 to 58.70): VV014764.D (-2190) (-)
Ion 57.00 (56.70 to 57.70): VV014764.D (-2190) (-)
Ion 100.00 (99.70 to 100.70): VV014764.D (-2190) (-)

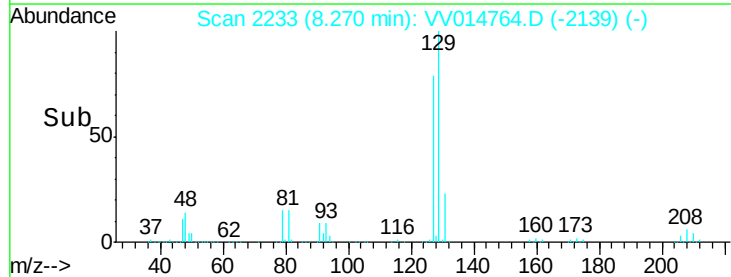
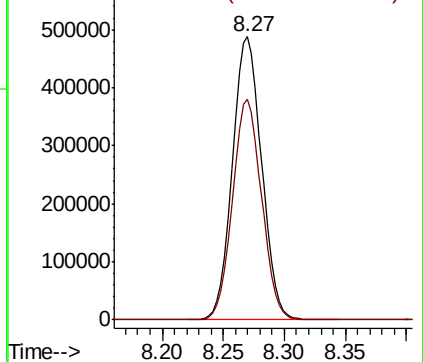


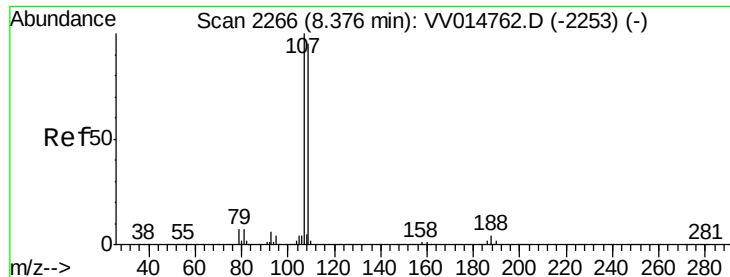
#49
Dibromochloromethane
Concen: 209.052 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV014764.D
Acq: 06 Mar 2020 18:11

Tgt Ion: 129 Resp: 811632
Ion Ratio Lower Upper
129 100
127 77.8 53.9 100.1



Abundance Ion 129.00 (128.70 to 129.70): VV014764.D (-2220) (-)
Ion 127.00 (126.70 to 127.70): VV014764.D (-2220) (-)

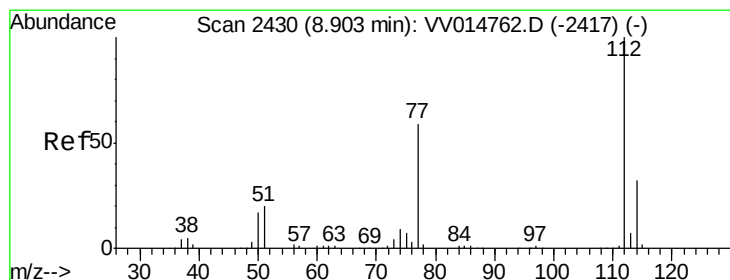
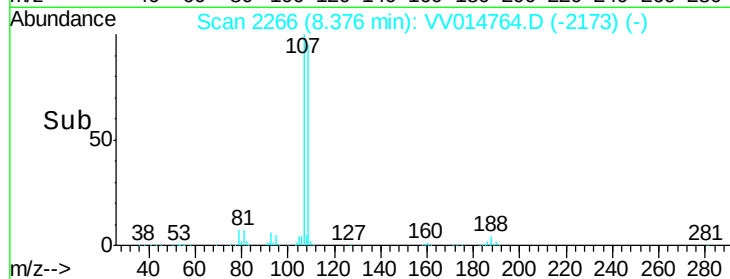
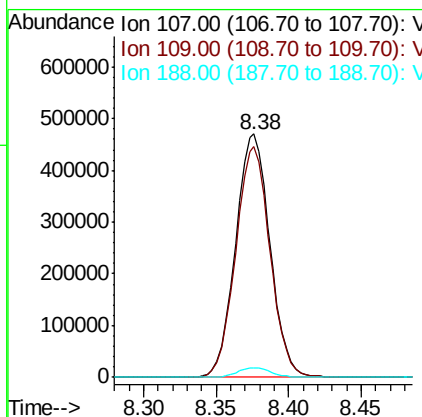
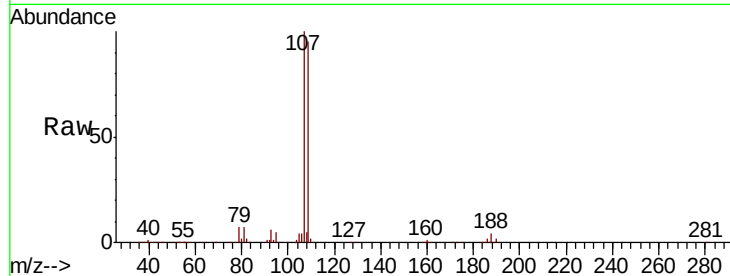




#50
 1,2-Dibromoethane
 Concen: 211.582 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. -0.00 min
 Lab File: VV014764.D
 Acq: 06 Mar 2020 18:11

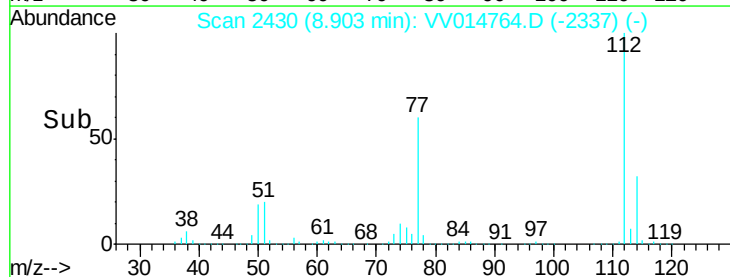
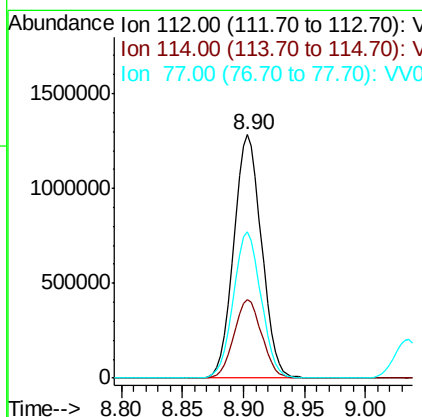
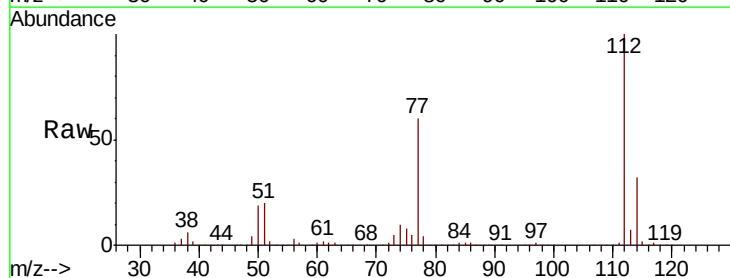
Instrument :
 MSVOA_V
 ClientSampleId :

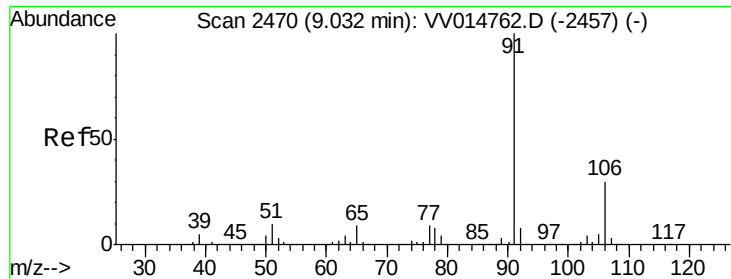
Tot Ion:107 Resp: 774249
 Ion Ratio Lower Upper
 107 100
 109 95.1 66.6 123.6
 188 3.9 3.0 4.6



#51
 Chlorobenzene
 Concen: 215.582 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VV014764.D
 Acq: 06 Mar 2020 18:11

Tgt Ion:112 Resp: 2032702
 Ion Ratio Lower Upper
 112 100
 114 32.4 22.1 41.1
 77 59.9 47.8 71.8





#52

Ethylbenzene

Concen: 224.318 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV014764.D

Acq: 06 Mar 2020 18:11

Instrument :

MSVOA_V

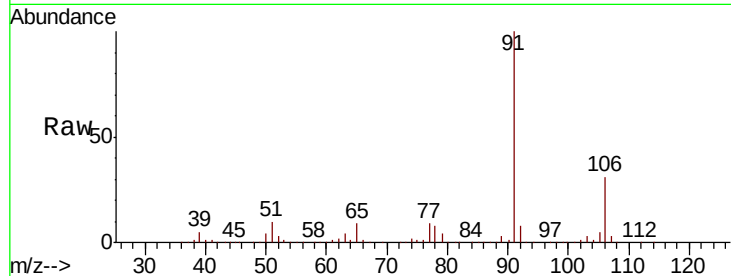
ClientSampleId :

Tot Ion: 91 Resp: 3586492

Ion Ratio Lower Upper

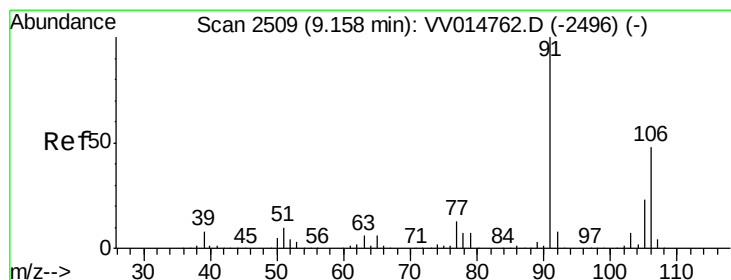
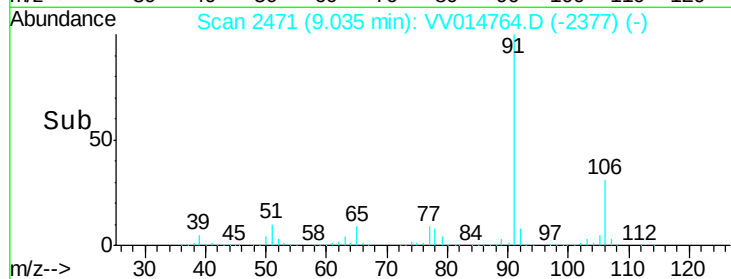
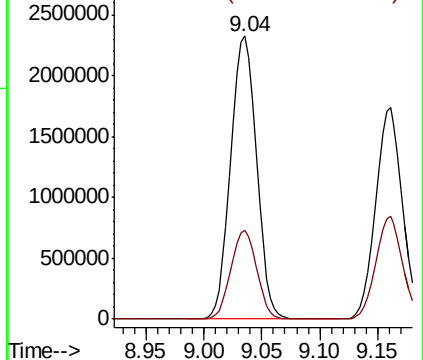
91 100

106 31.2 21.3 39.6



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 222.023 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV014764.D

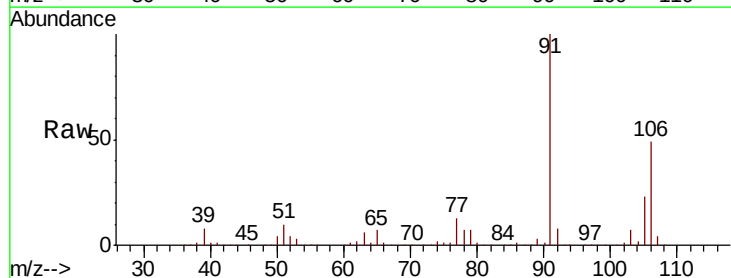
Acq: 06 Mar 2020 18:11

Tgt Ion: 106 Resp: 1360154

Ion Ratio Lower Upper

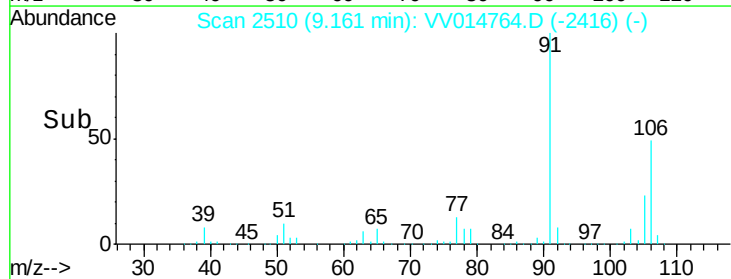
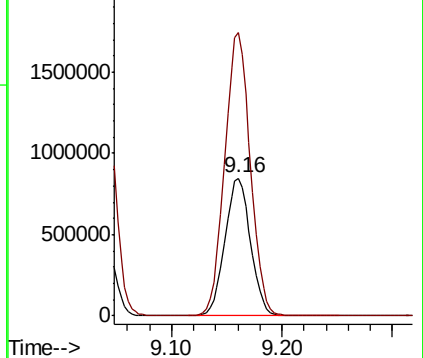
106 100

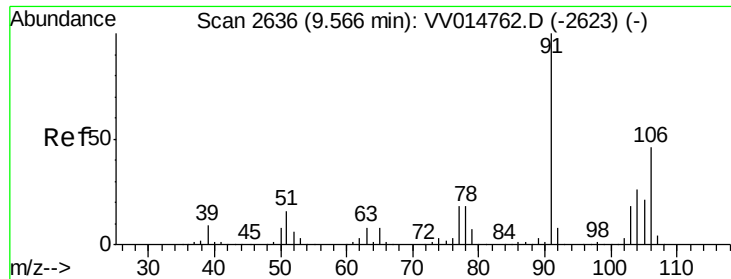
91 205.3 145.1 269.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

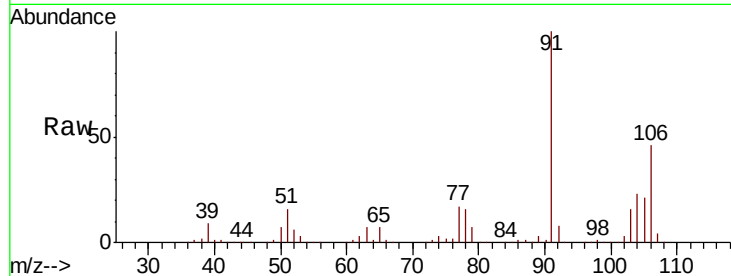




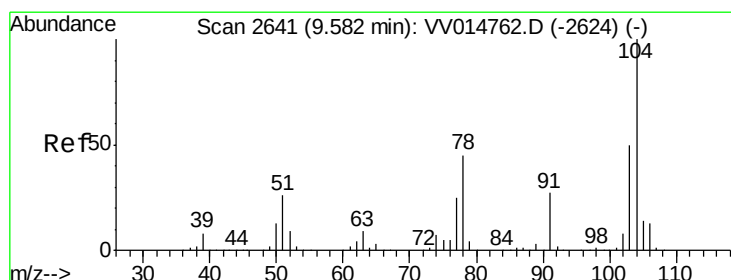
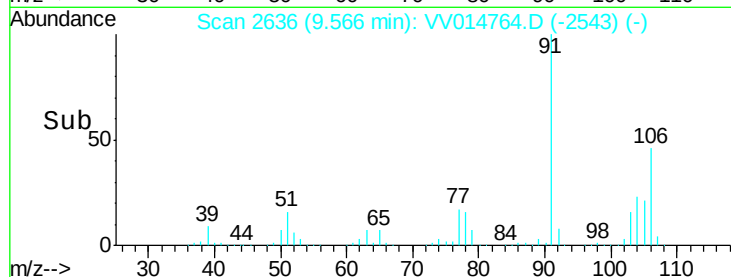
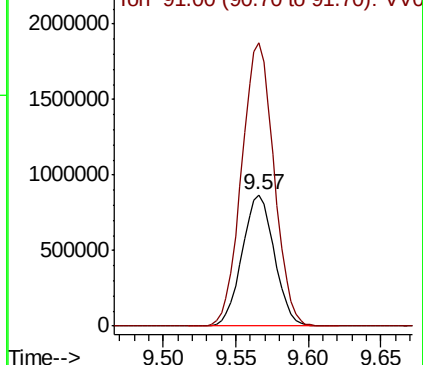
#54
o-xylene
Concen: 224.046 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. -0.00 min
Lab File: VV014764.D
Acq: 06 Mar 2020 18:11

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 1343307
Ion Ratio Lower Upper
106 100
91 215.9 152.5 283.3

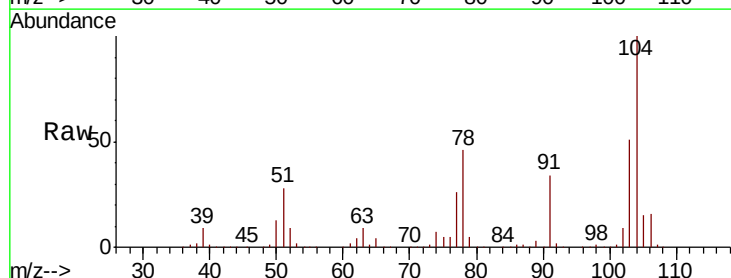


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

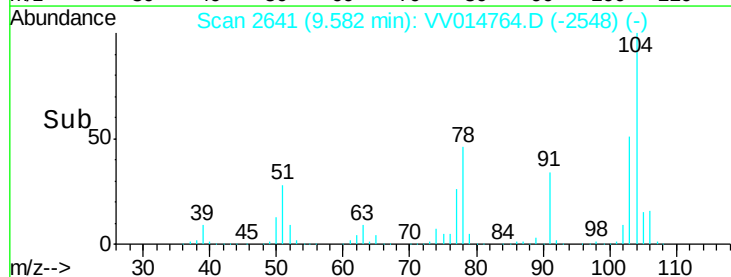
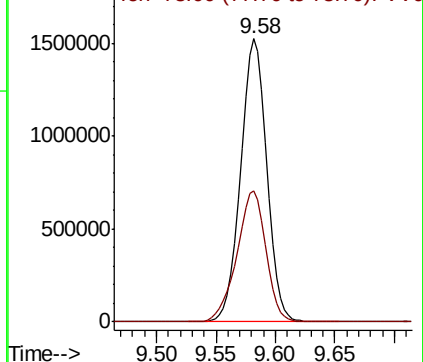


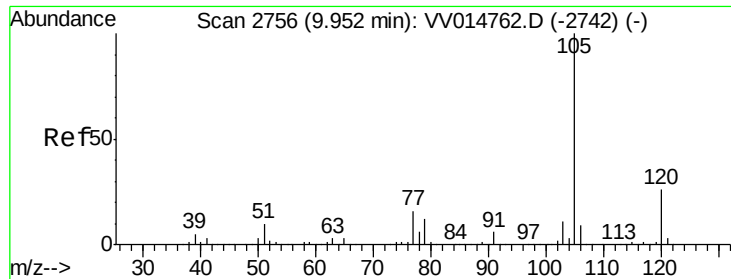
#55
Styrene
Concen: 231.128 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV014764.D
Acq: 06 Mar 2020 18:11

Tgt Ion:104 Resp: 2321601
Ion Ratio Lower Upper
104 100
78 46.4 31.6 58.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 224.930 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV014764.D

Acq: 06 Mar 2020 18:11

Instrument :
MSVOA_V
ClientSampled :

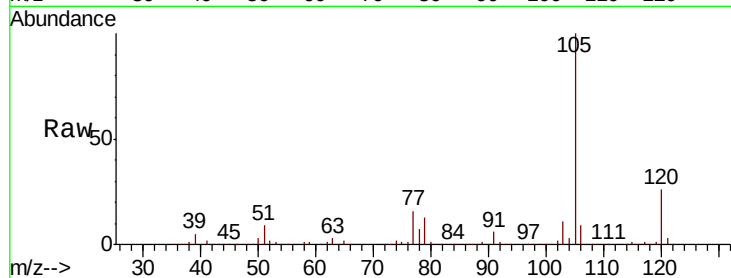
Tot Ion:105 Resp: 3561390

Ion Ratio Lower Upper

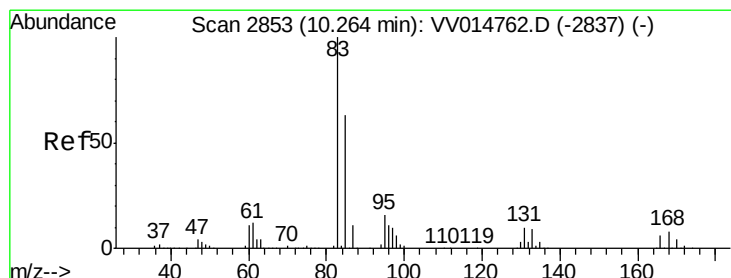
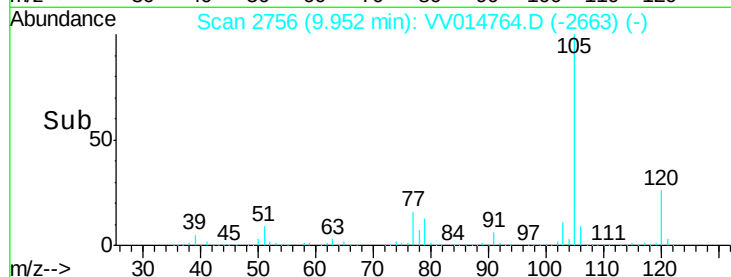
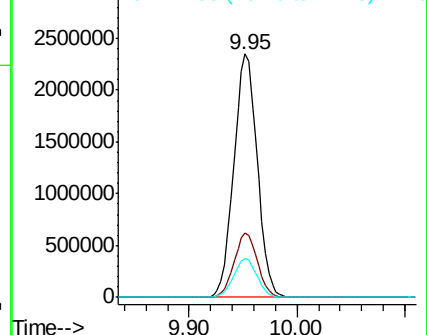
105 100

120 26.3 20.6 31.0

77 15.8 12.7 19.1



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: 234.672 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV014764.D

Acq: 06 Mar 2020 18:11

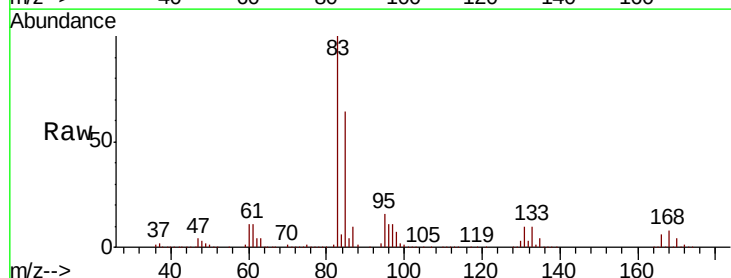
Tgt Ion: 83 Resp: 1226807

Ion Ratio Lower Upper

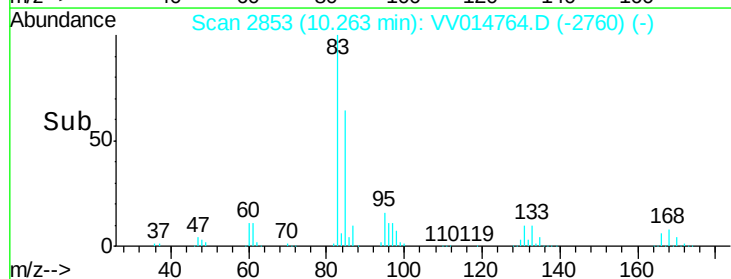
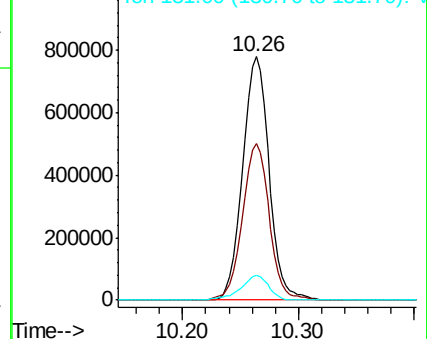
83 100

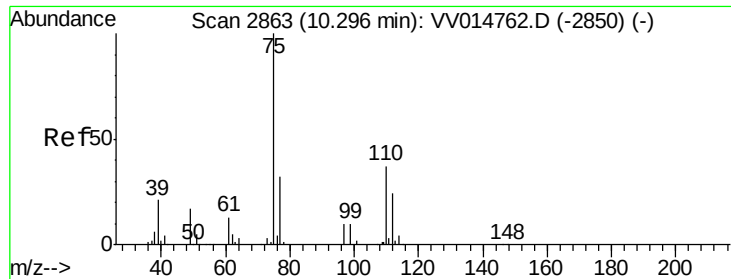
85 64.4 44.4 82.5

131 10.0 7.8 11.8



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: 226.583 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV014764.D

Acq: 06 Mar 2020 18:11

Instrument :

MSVOA_V

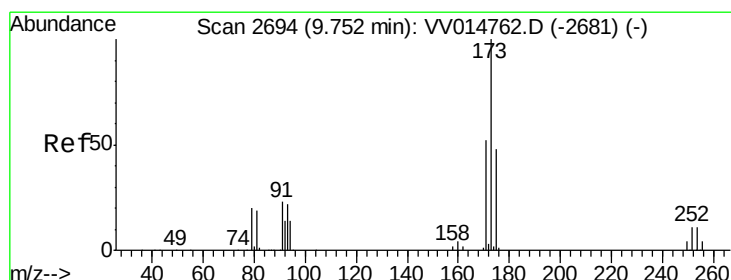
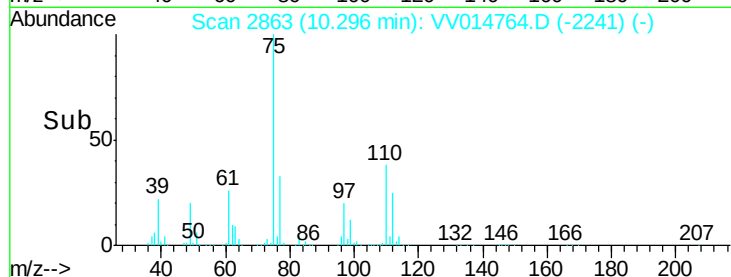
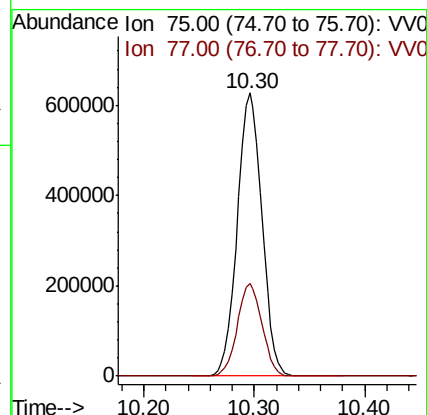
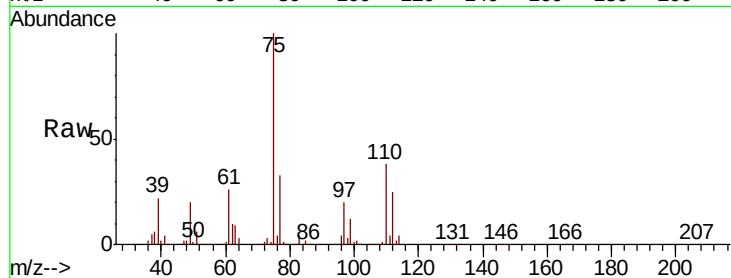
ClientSampleId :

Tot Ion: 75 Resp: 972159

Ion Ratio Lower Upper

75 100

77 32.6 25.6 38.4



#61

Bromoform

Concen: 212.850 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV014764.D

Acq: 06 Mar 2020 18:11

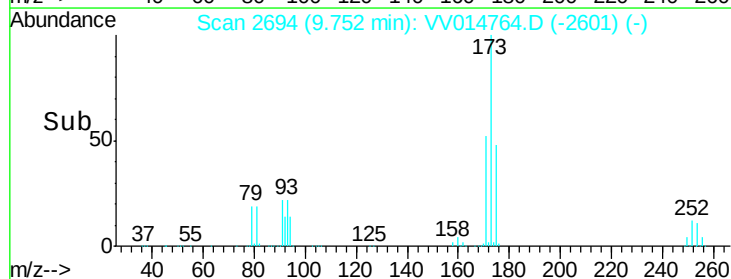
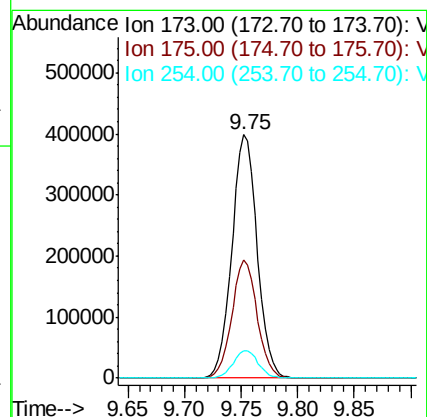
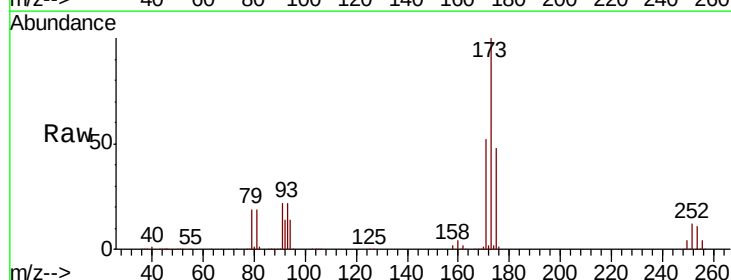
Tgt Ion: 173 Resp: 619104

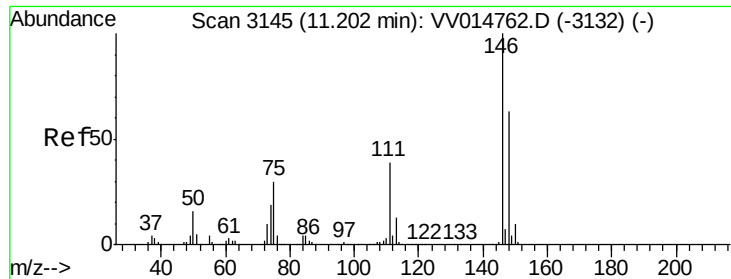
Ion Ratio Lower Upper

173 100

175 48.3 39.0 58.4

254 11.4 8.6 13.0





#62

1,3-Dichlorobenzene

Concen: 211.526 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV014764.D

Acq: 06 Mar 2020 18:11

Instrument :

MSVOA_V

ClientSampleId :

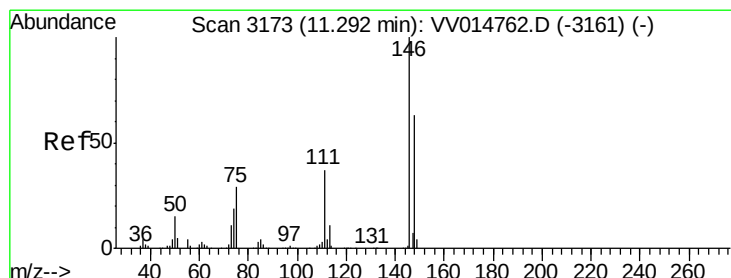
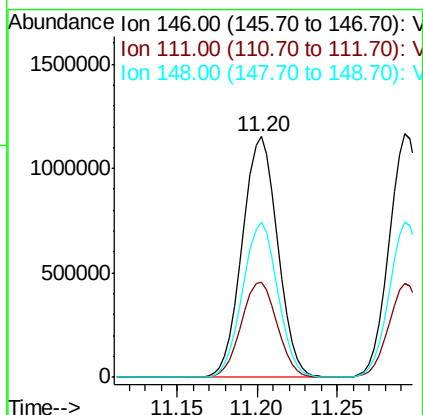
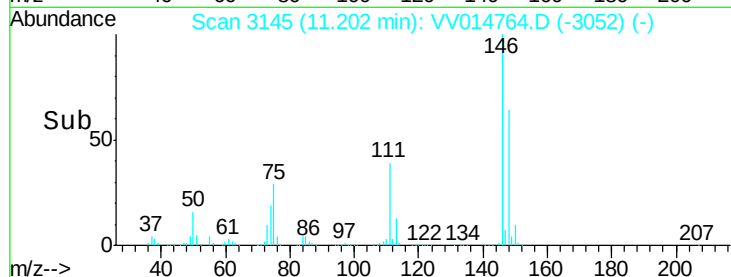
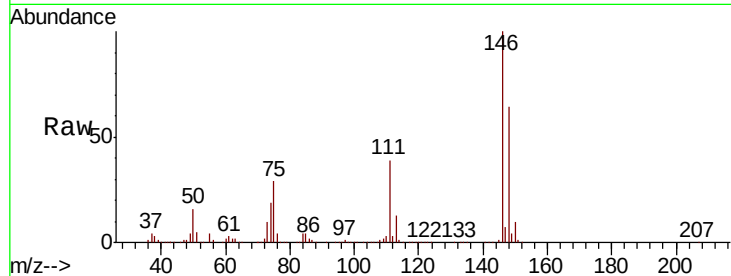
Tot Ion:146 Resp: 1736073

Ion Ratio Lower Upper

146 100

111 39.4 27.2 50.4

148 64.4 44.2 82.2



#63

1,4-Dichlorobenzene

Concen: 207.840 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV014764.D

Acq: 06 Mar 2020 18:11

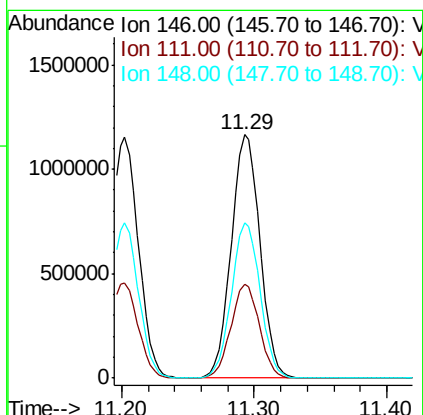
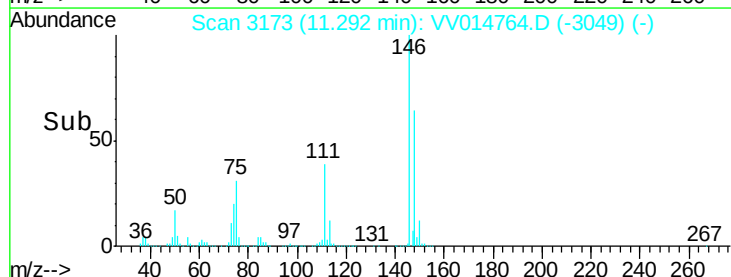
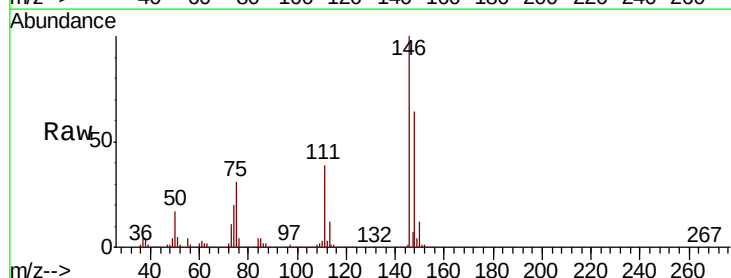
Tgt Ion:146 Resp: 1750936

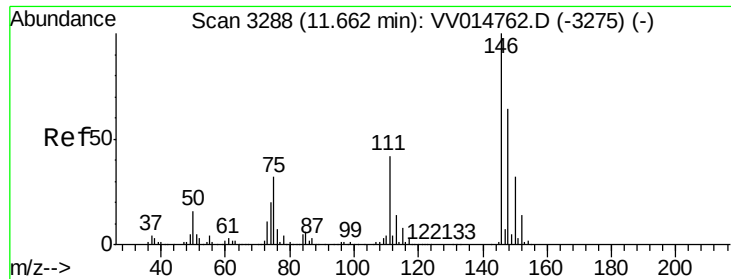
Ion Ratio Lower Upper

146 100

111 38.5 26.3 48.9

148 63.7 44.0 81.8

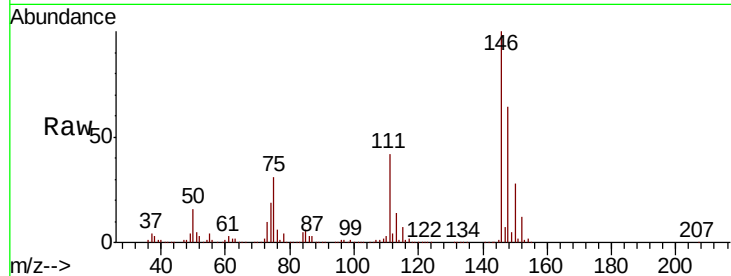




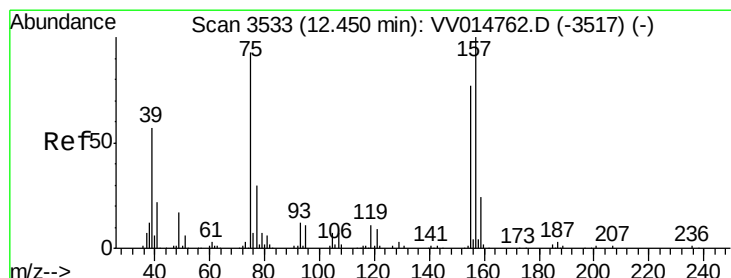
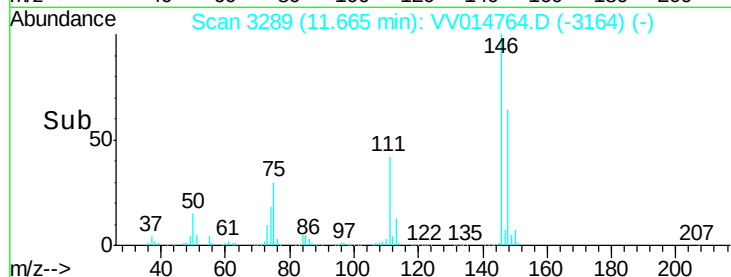
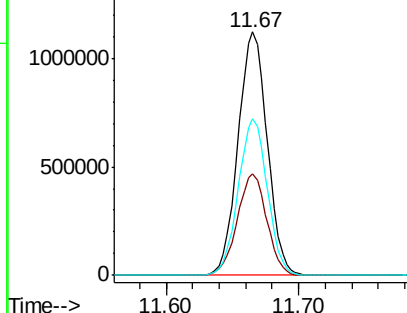
#65
 1,2-Dichlorobenzene
 Concen: 209.690 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV014764.D
 Acq: 06 Mar 2020 18:11

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:146 Resp: 1710984
 Ion Ratio Lower Upper
 146 100
 111 41.9 33.9 50.9
 148 64.1 51.4 77.0

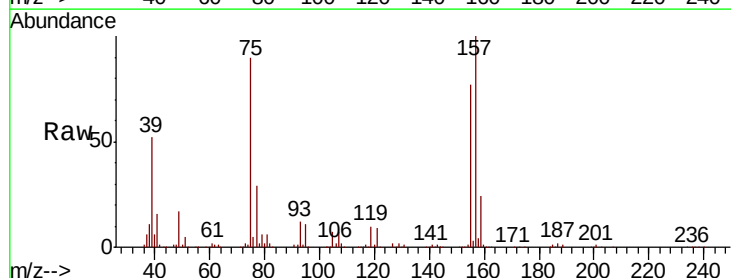


Abundance Ion 146.00 (145.70 to 146.70): V
 1500000 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

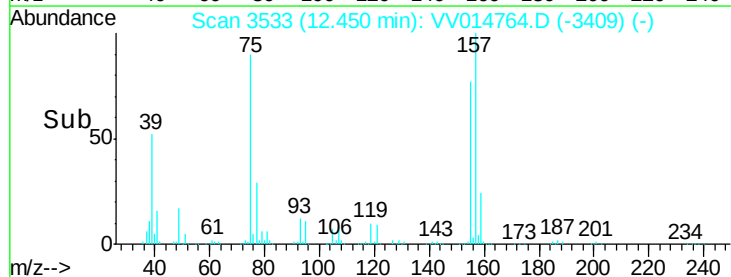
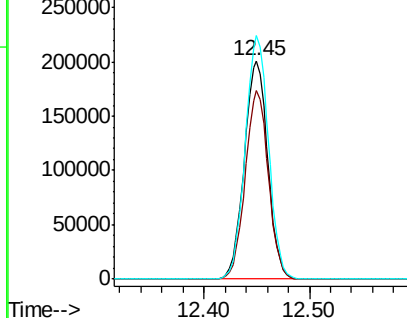


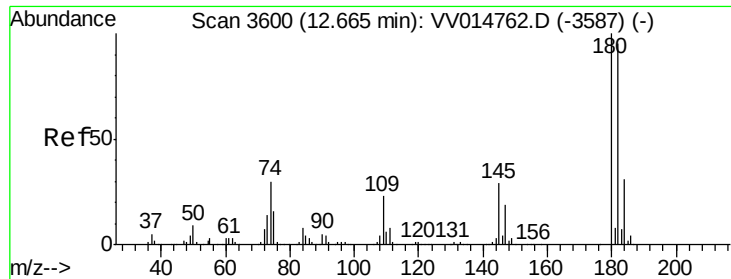
#66
 1,2-Dibromo-3-chloropropane
 Concen: 224.060 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV014764.D
 Acq: 06 Mar 2020 18:11

Tgt Ion: 75 Resp: 310066
 Ion Ratio Lower Upper
 75 100
 155 86.3 66.4 99.6
 157 111.5 86.1 129.1



Abundance Ion 75.00 (74.70 to 75.70): VV0
 300000 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

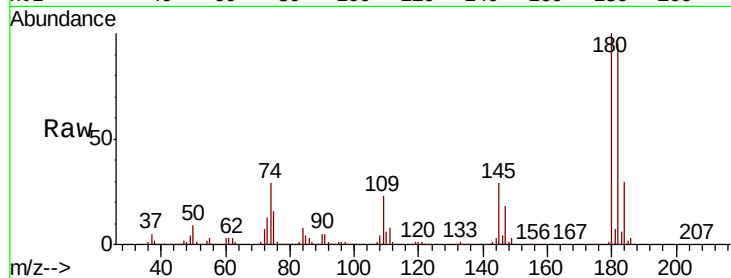




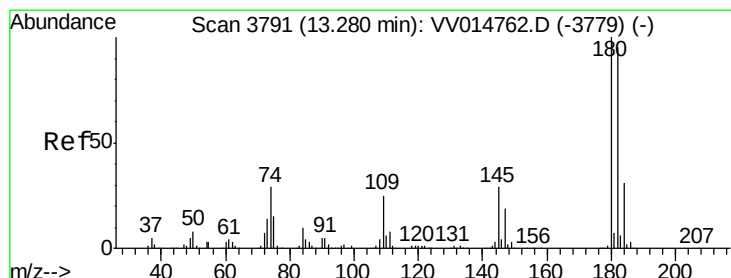
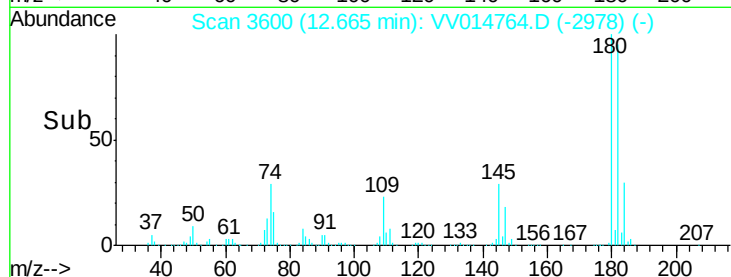
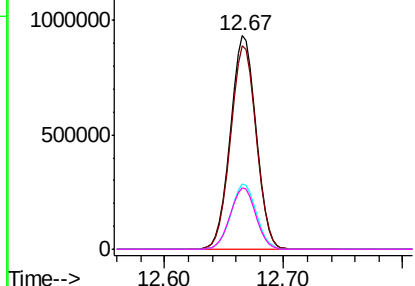
#67
 1,3,5-Trichlorobenzene
 Concen: 229.313 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV014764.D
 Acq: 06 Mar 2020 18:11

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:180 Resp: 1396122
 Ion Ratio Lower Upper
 180 100
 182 95.6 75.6 113.4
 184 30.3 24.8 37.2
 145 28.8 23.3 34.9

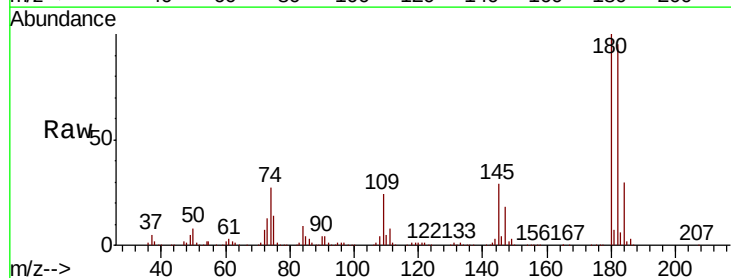


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

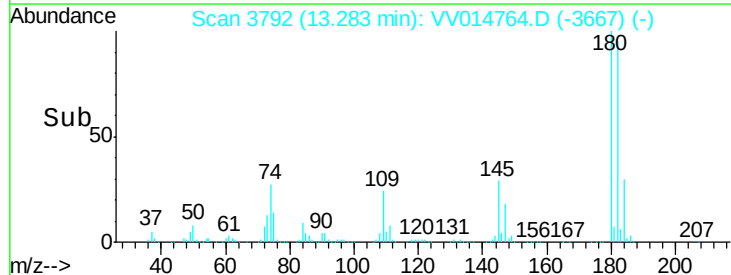
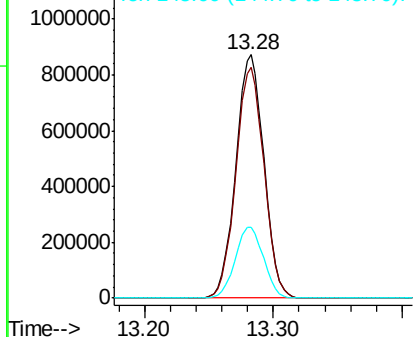


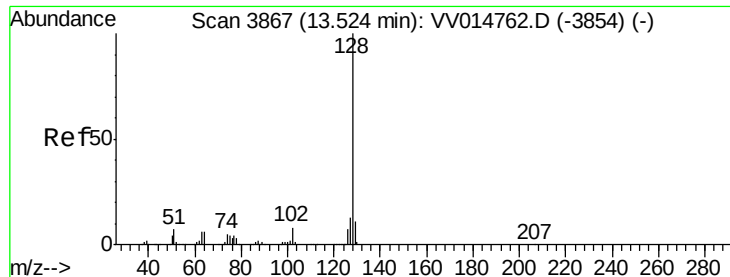
#68
 1,2,4-trichlorobenzene
 Concen: 230.978 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV014764.D
 Acq: 06 Mar 2020 18:11

Tgt Ion:180 Resp: 1316106
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.6 114.8
 145 29.4 23.4 35.0



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

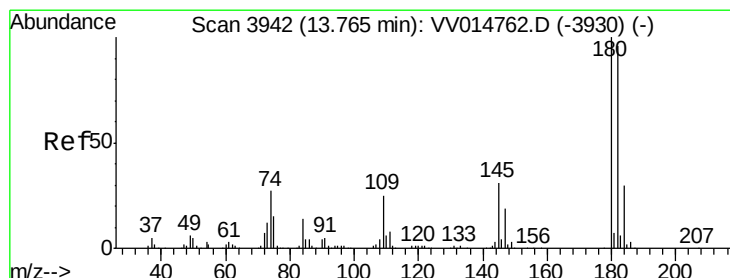
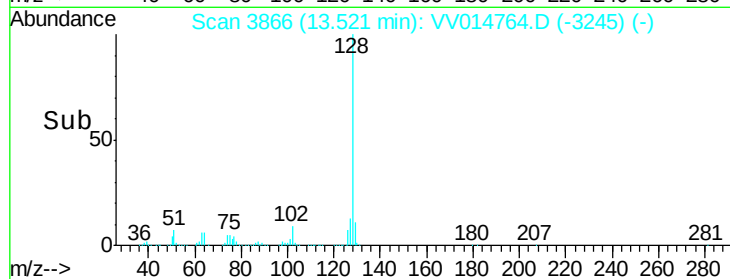
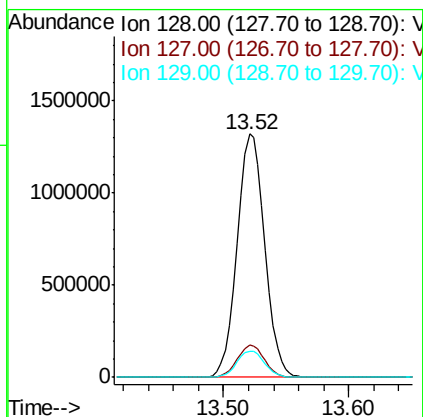
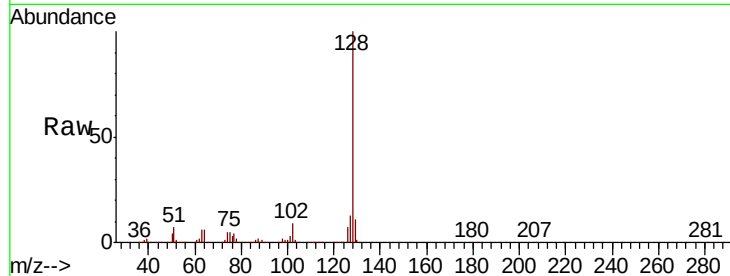




#69
Naphthalene
Concen: 118.922 ug/L
RT: 13.52 min Scan# 3866
Delta R.T. -0.00 min
Lab File: VV014764.D
Acq: 06 Mar 2020 18:11

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:128 Resp: 2009189
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 10.9 8.5 12.7



#70
1,2,3-Trichlorobenzene
Concen: 221.281 ug/L
RT: 13.76 min Scan# 3942
Delta R.T. -0.00 min
Lab File: VV014764.D
Acq: 06 Mar 2020 18:11

Tgt Ion:180 Resp: 1294709
Ion Ratio Lower Upper
180 100
182 95.8 76.5 114.7
145 31.1 25.0 37.4

