

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV030620\
 Data File : VV014760.D
 Acq On : 06 Mar 2020 16:38
 Operator : SY/MD
 Sample : VSTD00562
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 06 22:43:58 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	472167	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	465692	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	238527	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	14944	6.97	ug/L	0.00
7) Chloroethane-d5	1.58	69	12524	7.90	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	25877	6.74	ug/L	0.00
21) 2-Butanone-d5	3.96	46	18044	9.67	ug/L	0.02
24) Chloroform-d	4.38	84	29236	4.84	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	19351	4.94	ug/L	0.00
32) Benzene-d6	5.07	84	54736	4.43	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	18522	5.02	ug/L	0.00
41) Toluene-d8	7.34	98	54684	4.58	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	8342	4.11	ug/L	0.00
47) 2-Hexanone-d5	8.12	63	14211	9.39	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.23	84	25286	4.97	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	22230	4.75	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	24931	6.907 ug/L	98
3) Chloromethane	1.25	50	21720	9.641 ug/L	99
5) Vinyl chloride	1.32	62	19939	9.066 ug/L	94
6) Bromomethane	1.53	94	12230	9.348 ug/L	96
8) Chloroethane	1.60	64	10425	8.616 ug/L	97
9) Trichlorofluoromethane	1.76	101	26918	6.527 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	14126	7.851 ug/L	97
12) 1,1-Dichloroethene	2.13	96	13713	8.188 ug/L	92
13) Acetone	2.23	43	22941	14.165 ug/L	66
14) Carbon disulfide	2.31	76	43713	6.290 ug/L	100
15) Methyl Acetate	2.46	43	18417	6.623 ug/L #	72
16) Methylene chloride	2.52	84	18735	6.032 ug/L	92
17) trans-1,2-Dichloroethene	2.78	96	16834	5.842 ug/L	99
18) Methyl tert-butyl Ether	2.79	73	52941	5.505 ug/L	99
19) 1,1-Dichloroethane	3.21	63	32541	6.136 ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	17939	5.417 ug/L	97
22) 2-Butanone	4.04	43	18261	8.675 ug/L	86
23) Bromochloromethane	4.28	128	9289	5.554 ug/L	93
25) Chloroform	4.40	83	32229	5.350 ug/L	98
27) 1,2-Dichloroethane	5.16	62	26222	5.929 ug/L	98
30) 1,1,1-Trichloroethane	4.63	97	28449	5.243 ug/L	98
31) Carbon tetrachloride	4.86	117	23075	4.829 ug/L	97
33) Benzene	5.13	78	69708	5.633 ug/L	100
34) Trichloroethene	5.94	95	18221	5.147 ug/L	96
35) Methylcyclohexane	6.15	83	29639	5.758 ug/L	96
37) 1,2-Dichloropropane	6.20	63	18681	6.049 ug/L	99
38) Bromodichloromethane	6.53	83	23371	5.120 ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	27560	5.170 ug/L	99
40) 4-Methyl-2-pentanone	7.26	43	50983	12.843 ug/L	97
42) Toluene	7.41	91	74592	5.563 ug/L	98

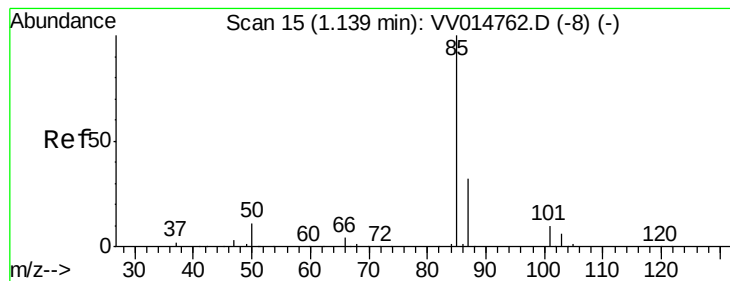
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV030620\
 Data File : VV014760.D
 Acq On : 06 Mar 2020 16:38
 Operator : SY/MD
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 Quant Title : VOC Analysis
 QLast Update : Fri Mar 06 22:37:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	7.68	75	25129	5.173	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	16963	5.336	ug/L	95
46) Tetrachloroethene	7.99	164	14742	5.666	ug/L	97
48) 2-Hexanone	8.17	43	39748	12.706	ug/L	98
49) Dibromochloromethane	8.27	129	17743	4.762	ug/L	98
50) 1,2-Dibromoethane	8.37	107	17709	5.042	ug/L #	96
51) Chlorobenzene	8.90	112	48061	5.311	ug/L	95
52) Ethylbenzene	9.03	91	82384	5.369	ug/L	98
53) m,p-Xylene	9.16	106	30894	5.255	ug/L	95
54) o-xylene	9.57	106	30075	5.227	ug/L	95
55) Styrene	9.58	104	49134	5.097	ug/L	100
56) Isopropylbenzene	9.95	105	82393	5.422	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	29218	5.824	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	23552	5.720	ug/L	98
61) Bromoform	9.75	173	12675	4.920	ug/L #	97
62) 1,3-Dichlorobenzene	11.20	146	39923	5.492	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	39504	5.294	ug/L	95
65) 1,2-Dichlorobenzene	11.67	146	40789	5.644	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.45	75	6460	5.270	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	30365	5.631	ug/L	98
68) 1,2,4-trichlorobenzene	13.28	180	26933	5.336	ug/L	99
69) Naphthalene	13.52	128	37933	2.535	ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	26635	5.139	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 6.907 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014760.D

Acq: 06 Mar 2020 16:38

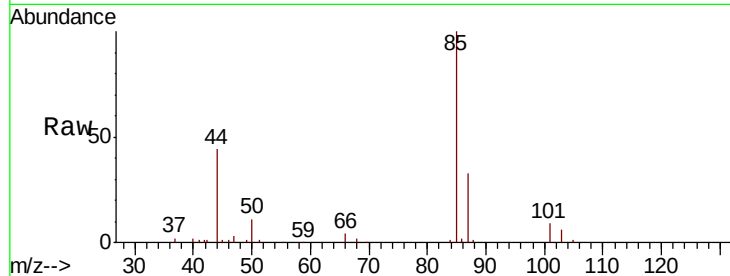
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 24931

Ion Ratio Lower Upper

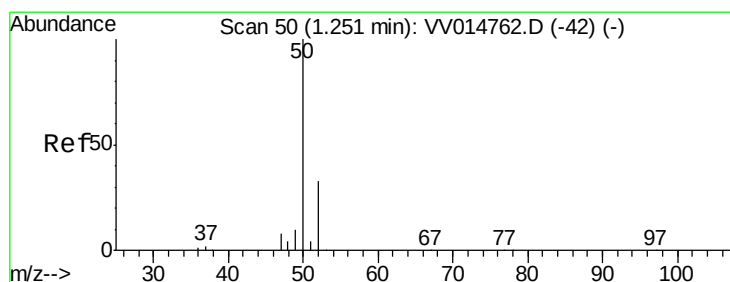
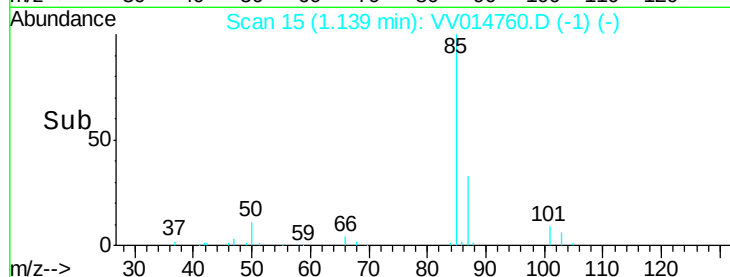
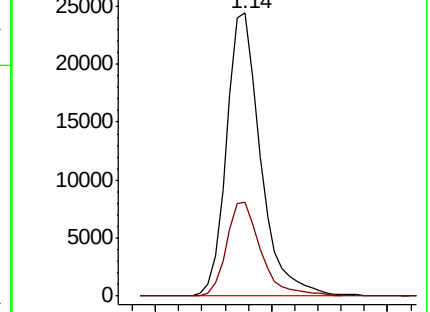
85 100

87 33.2 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV014760.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV014760.D (-8) (-)



#3

Chloromethane

Concen: 9.641 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV014760.D

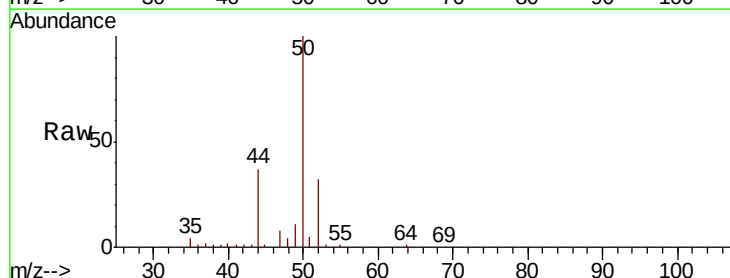
Acq: 06 Mar 2020 16:38

Tgt Ion: 50 Resp: 21720

Ion Ratio Lower Upper

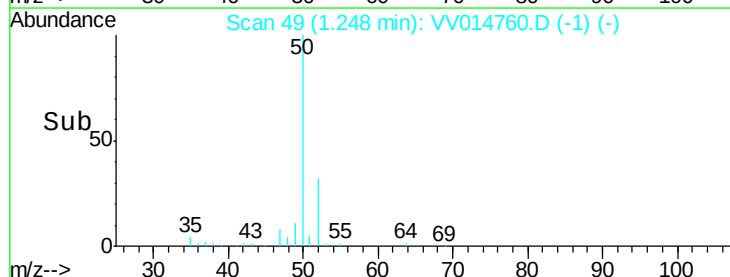
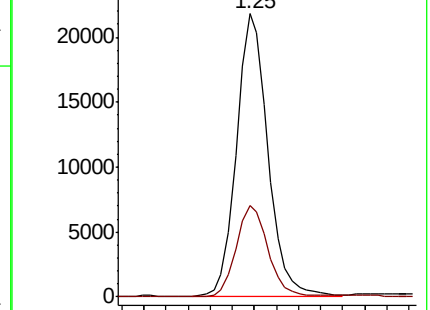
50 100

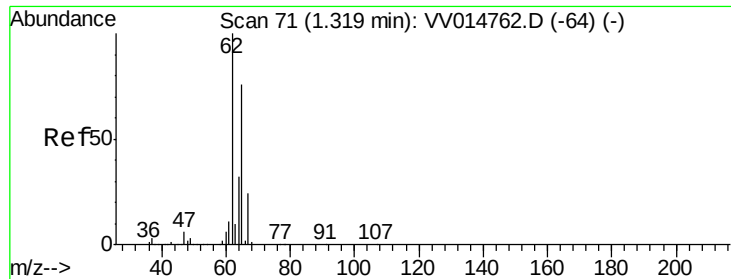
52 32.2 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VV014760.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV014760.D (-42) (-)





#5

Vinyl chloride

Concen: 9.066 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV014760.D

Acq: 06 Mar 2020 16:38

Instrument :

MSVOA_V

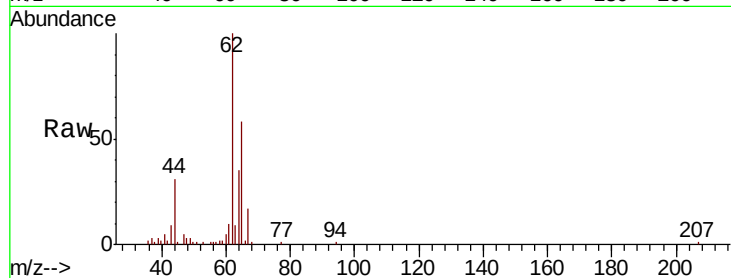
ClientSampled :

Tot Ion: 62 Resp: 19939

Ion Ratio Lower Upper

62 100

64 35.2 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

20000

15000

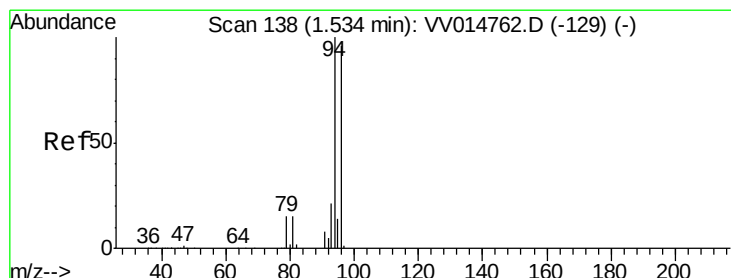
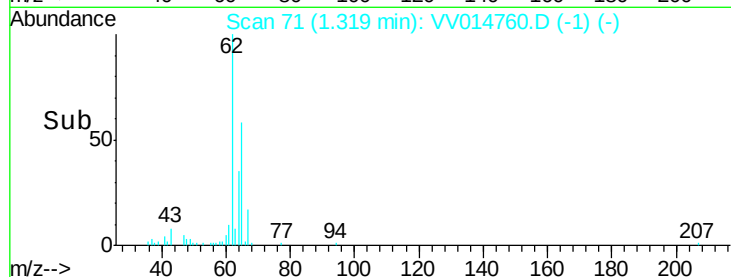
10000

5000

0

1.30 1.35

Time-->



#6

Bromomethane

Concen: 9.348 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV014760.D

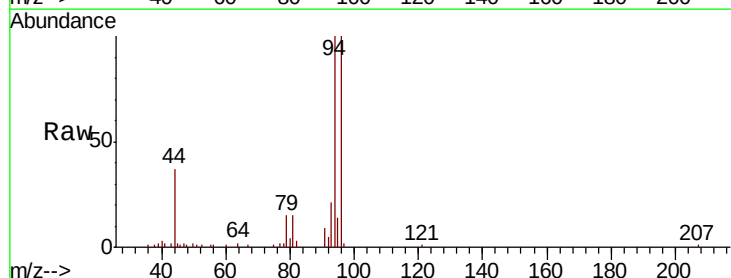
Acq: 06 Mar 2020 16:38

Tgt Ion: 94 Resp: 12230

Ion Ratio Lower Upper

94 100

96 99.7 67.2 124.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

12000

10000

8000

6000

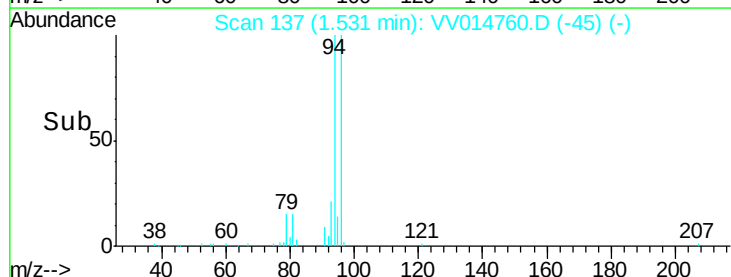
4000

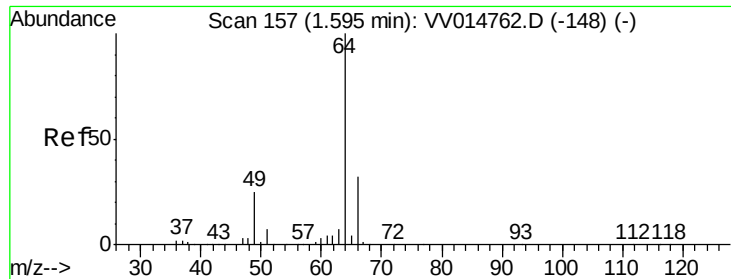
2000

0

1.48 1.50 1.52 1.54 1.56

Time-->





#8

Chloroethane

Concen: 8.616 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV014760.D

Acq: 06 Mar 2020 16:38

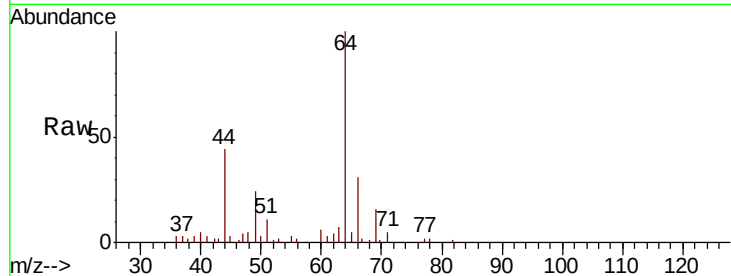
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 64 Resp: 10425

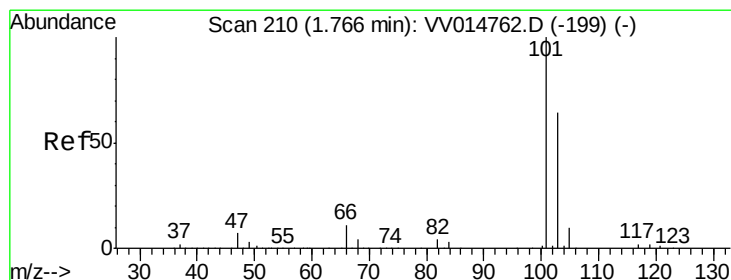
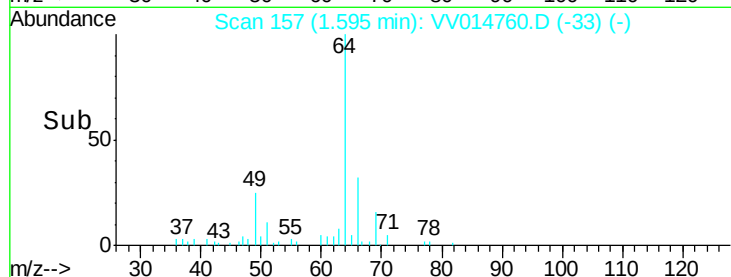
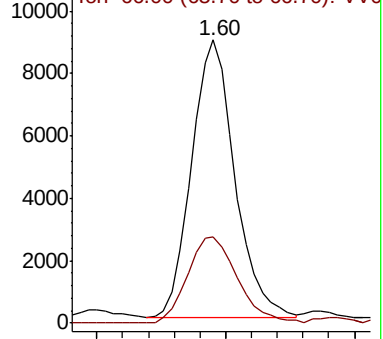
Ion Ratio Lower Upper

64 100

66 30.6 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VV014760.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 6.527 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV014760.D

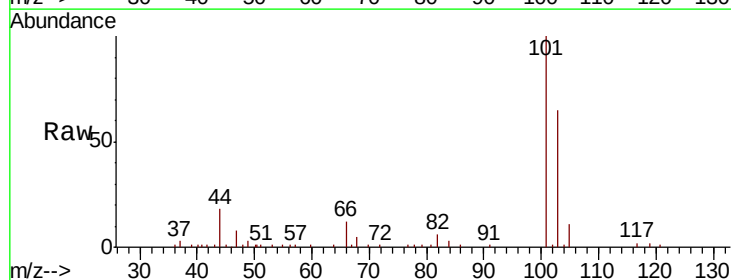
Acq: 06 Mar 2020 16:38

Tgt Ion: 101 Resp: 26918

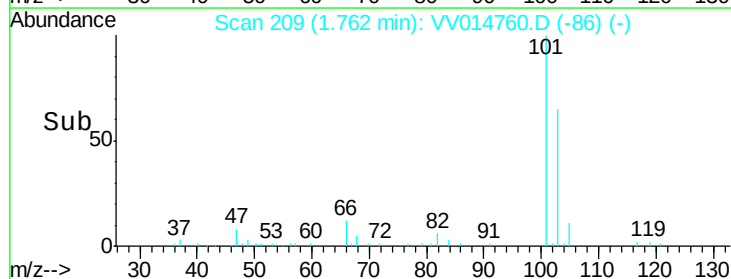
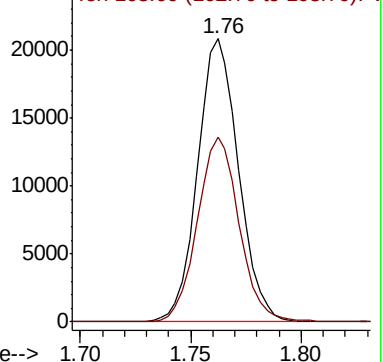
Ion Ratio Lower Upper

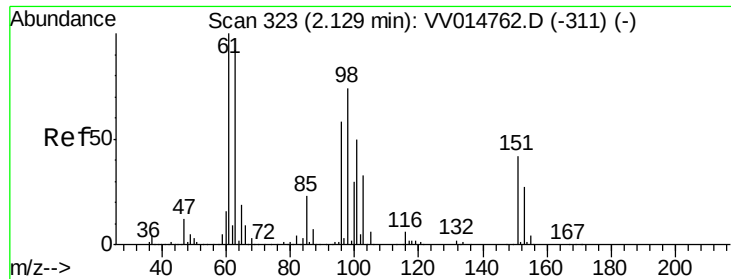
101 100

103 66.5 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VV014760.D (-199) (-)





#10

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

Concen: 7.851 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

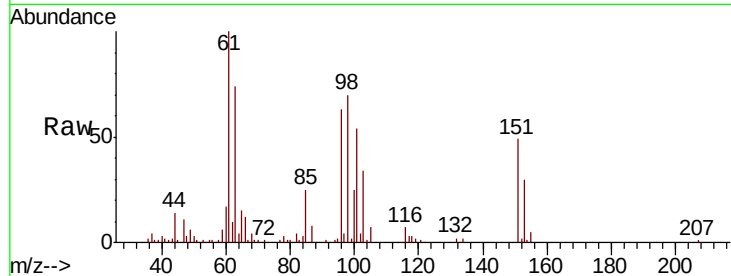
Lab File: VV014760.D

Acq: 06 Mar 2020 16:38

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:101 Resp: 14126

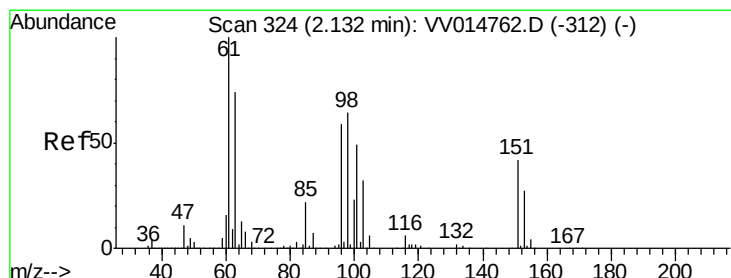
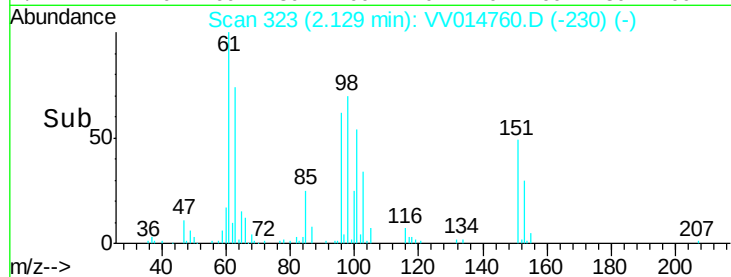
Ion	Ratio	Lower	Upper
101	100		
85	45.7	35.0	52.6
151	85.1	66.4	99.6



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: 8.188 ug/L

RT: 2.13 min Scan# 323

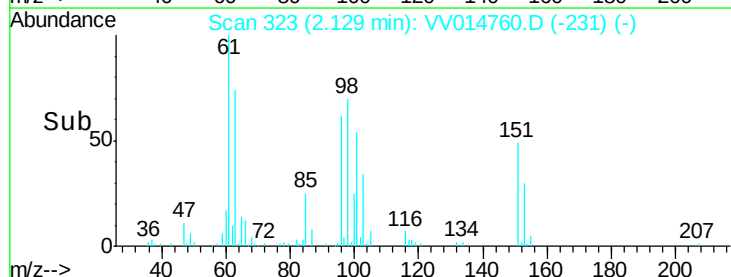
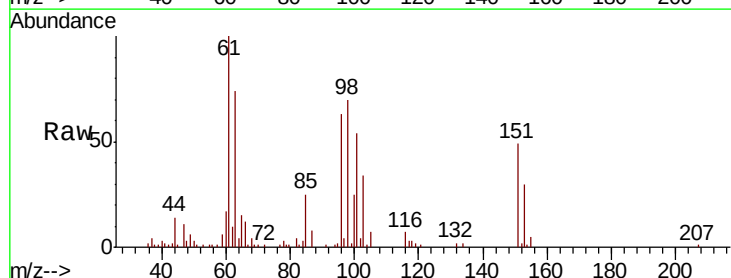
Delta R.T. -0.00 min

Lab File: VV014760.D

Acq: 06 Mar 2020 16:38

Tgt Ion: 96 Resp: 13713

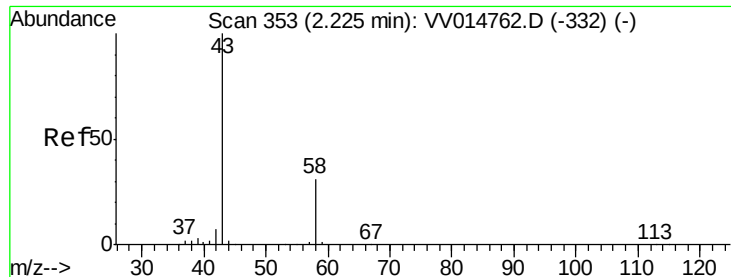
Ion	Ratio	Lower	Upper
96	100		
61	158.7	118.4	220.0
63	117.5	88.4	164.2



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: 14.165 ug/L

RT: 2.23 min Scan# 354

Delta R.T. 0.00 min

Lab File: VV014760.D

Acq: 06 Mar 2020 16:38

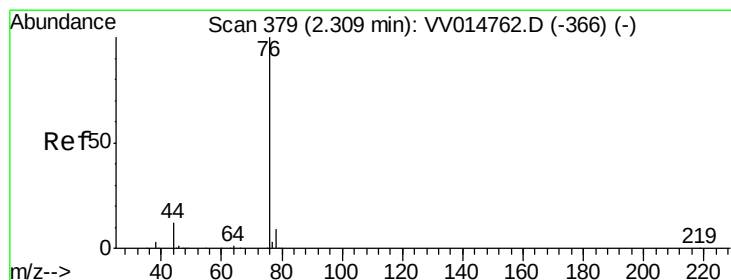
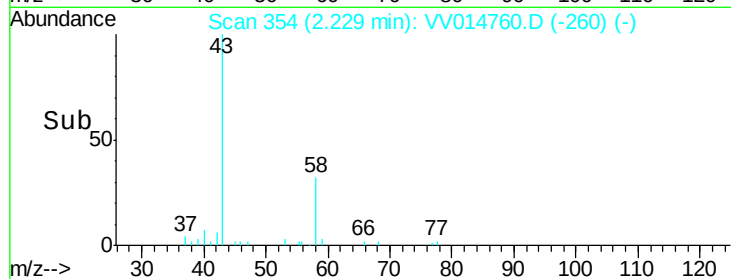
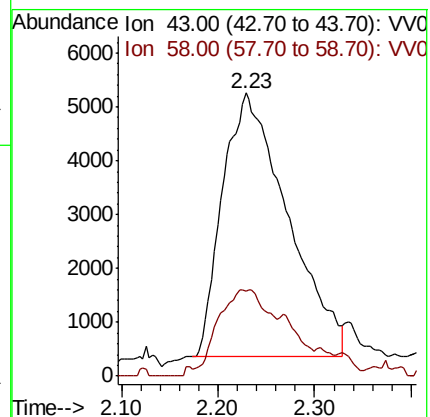
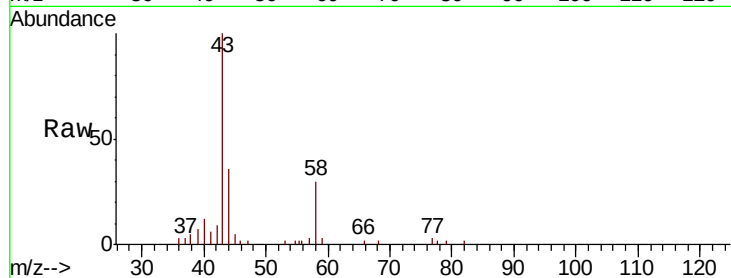
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 22941

Ion Ratio Lower Upper

43 100

58 12.2 0.0 62.2



#14

Carbon disulfide

Concen: 6.290 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV014760.D

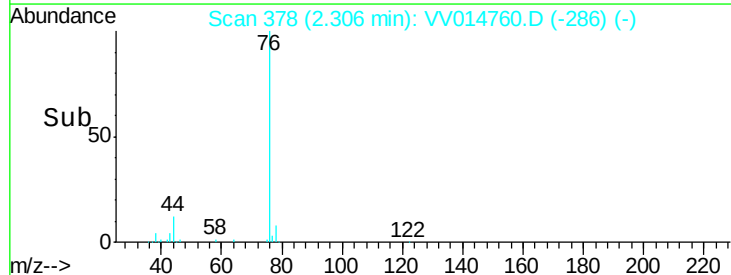
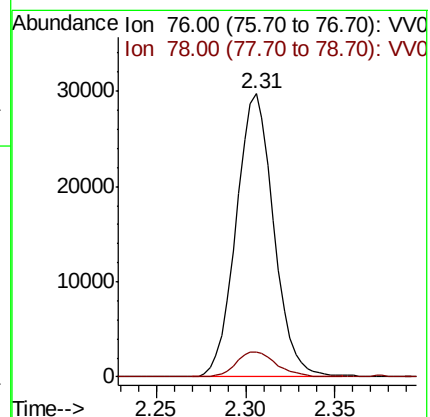
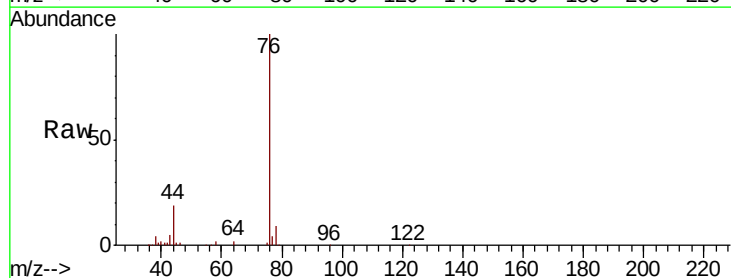
Acq: 06 Mar 2020 16:38

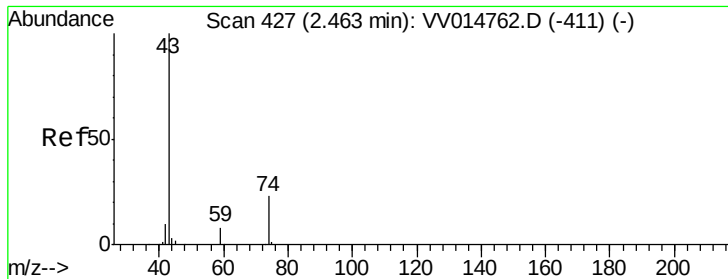
Tgt Ion: 76 Resp: 43713

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7

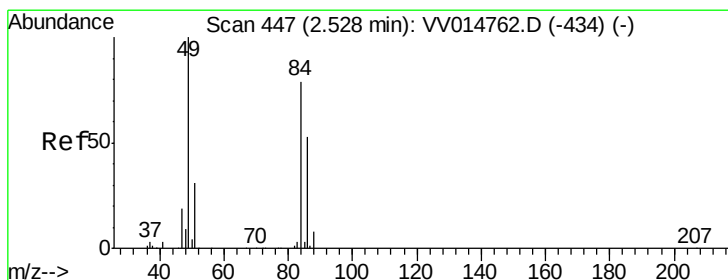
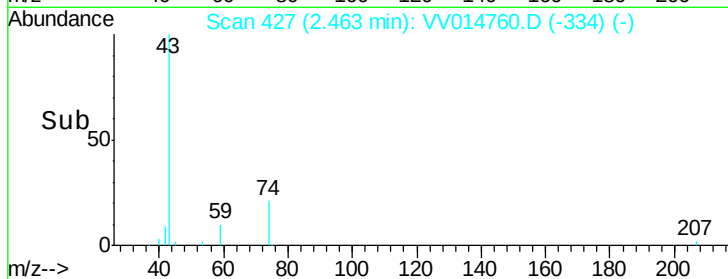
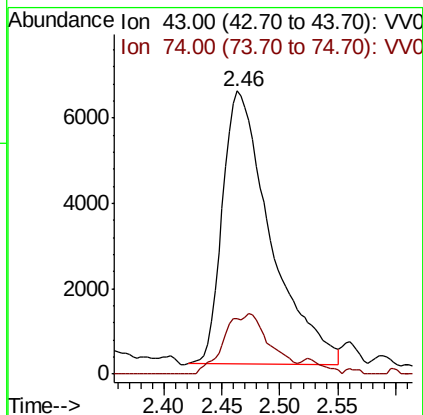
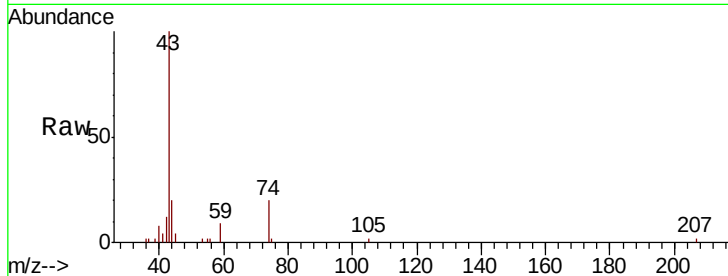




#15
Methvl Acetate
Concen: 6.623 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV014760.D
Acq: 06 Mar 2020 16:38

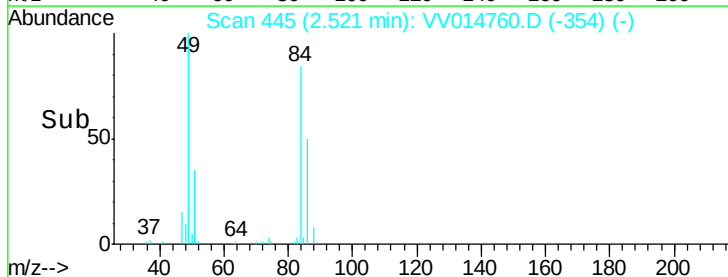
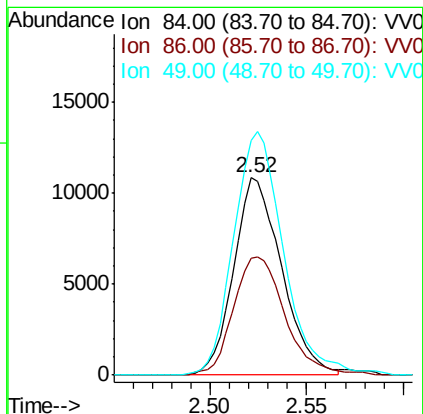
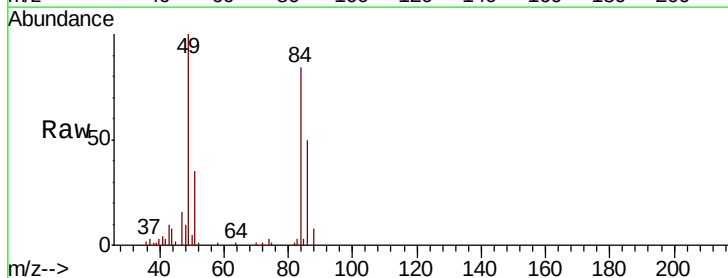
Instrument :
MSVOA_V
ClientSampleId :

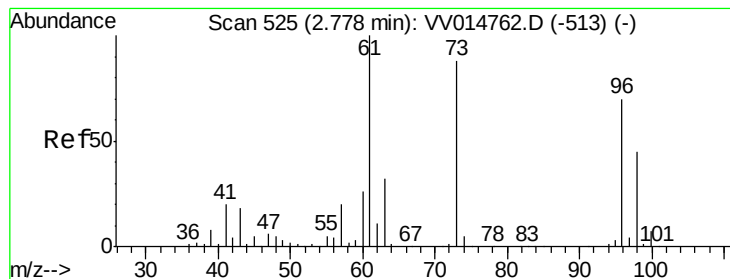
Tot Ion: 43 Resp: 18417
Ion Ratio Lower Upper
43 100
74 8.8 17.9 26.9#



#16
Methylene chloride
Concen: 6.032 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.01 min
Lab File: VV014760.D
Acq: 06 Mar 2020 16:38

Tgt Ion: 84 Resp: 18735
Ion Ratio Lower Upper
84 100
86 59.3 47.3 87.9
49 119.0 88.7 164.7





#17

trans-1,2-Dichloroethene

Concen: 5.842 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV014760.D

Acq: 06 Mar 2020 16:38

Instrument :
MSVOA_V
ClientSampled :

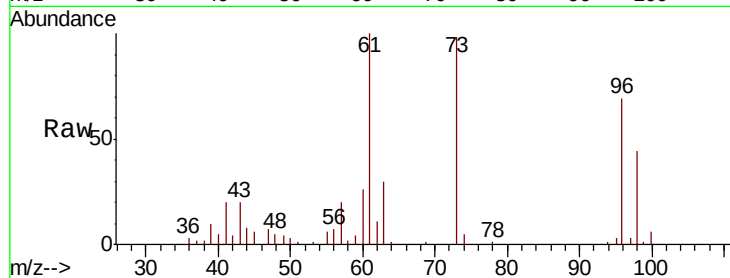
Tot Ion: 96 Resp: 16834

Ion Ratio Lower Upper

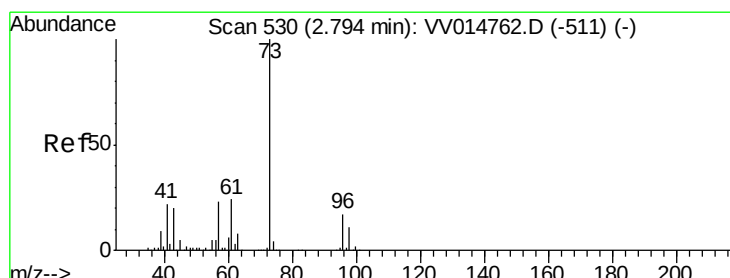
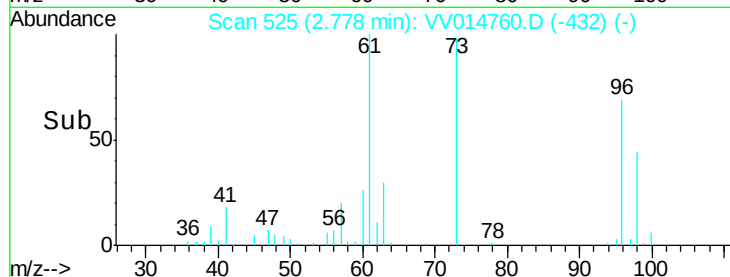
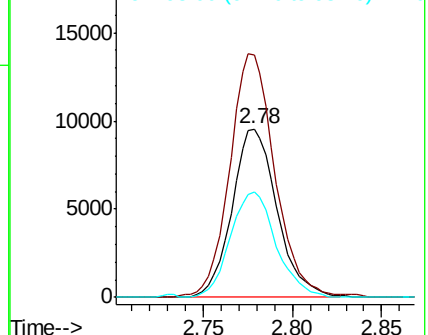
96 100

61 144.2 100.5 186.7

98 62.8 45.1 83.7



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 5.505 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV014760.D

Acq: 06 Mar 2020 16:38

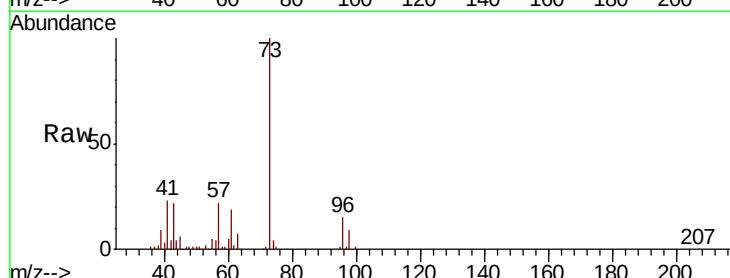
Tgt Ion: 73 Resp: 52941

Ion Ratio Lower Upper

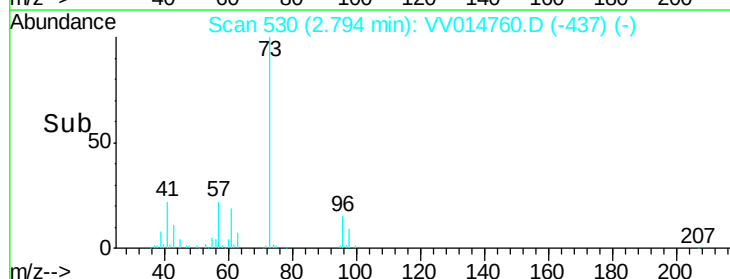
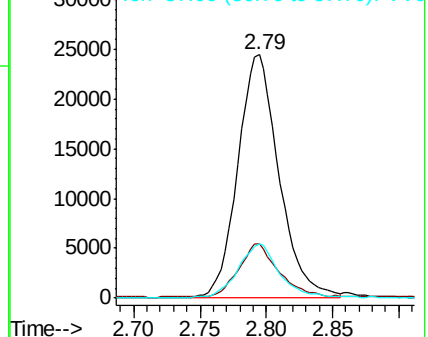
73 100

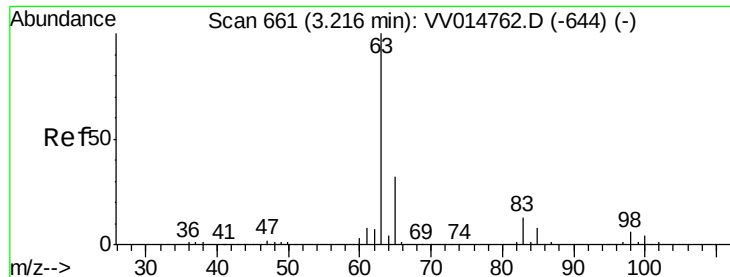
43 20.5 15.9 23.9

57 22.1 18.0 27.0



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

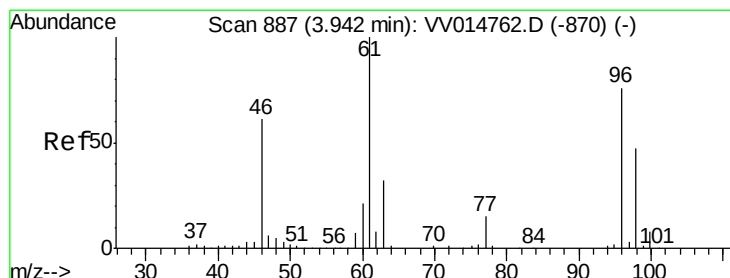
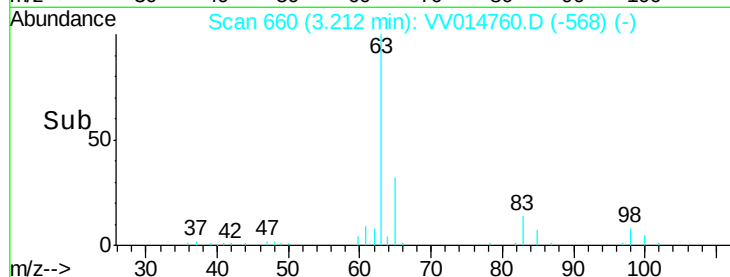
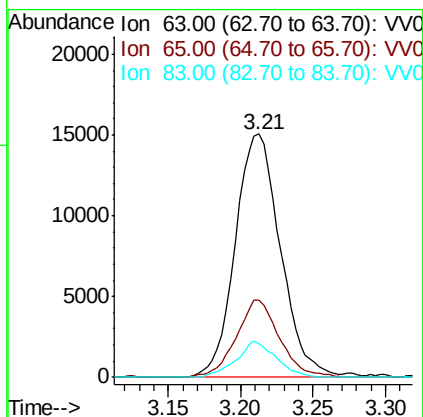
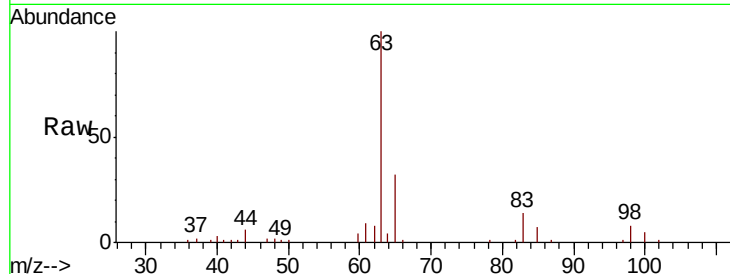




#19
 1,1-Dichloroethane
 Concen: 6.136 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. -0.00 min
 Lab File: VV014760.D
 Acq: 06 Mar 2020 16:38

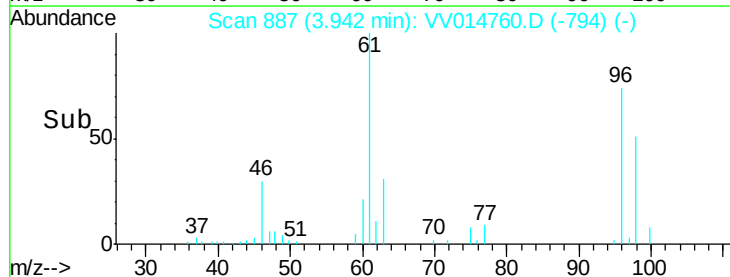
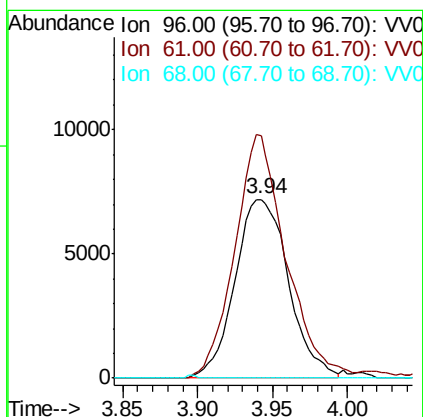
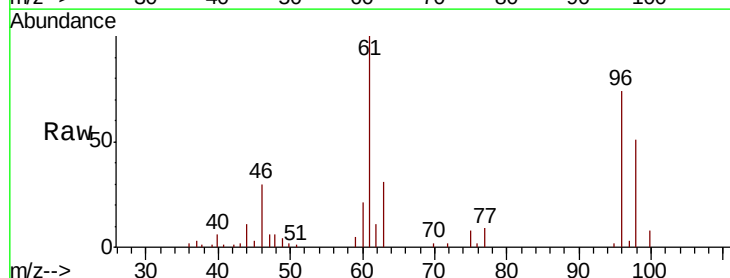
Instrument :
 MSVOA_V
 ClientSampleId :

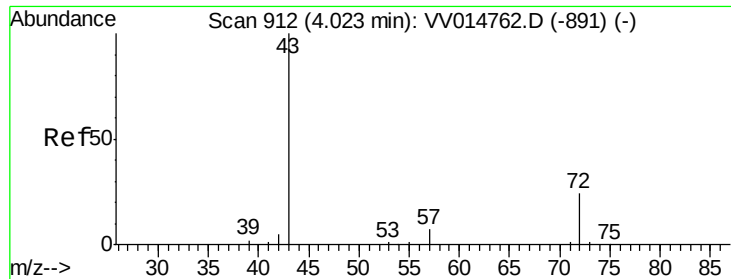
Tot Ion: 63 Resp: 32541
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.5 41.7
 83 14.1 9.1 16.9



#20
 cis-1,2-Dichloroethene
 Concen: 5.417 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.00 min
 Lab File: VV014760.D
 Acq: 06 Mar 2020 16:38

Tgt Ion: 96 Resp: 17939
 Ion Ratio Lower Upper
 96 100
 61 135.4 92.2 171.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 8.675 ug/L

RT: 4.04 min Scan# 916

Delta R.T. 0.01 min

Lab File: VV014760.D

Acq: 06 Mar 2020 16:38

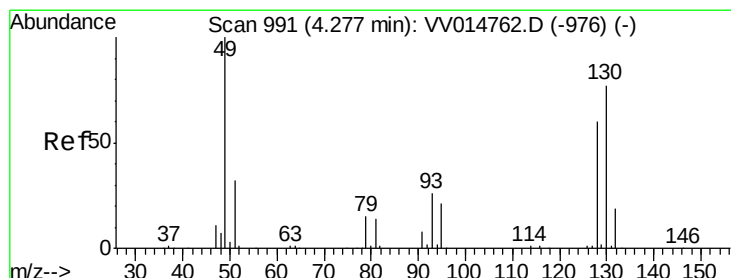
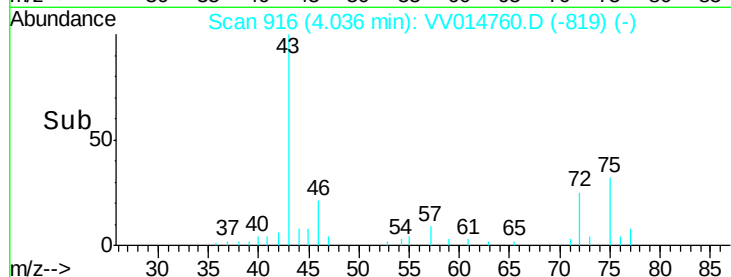
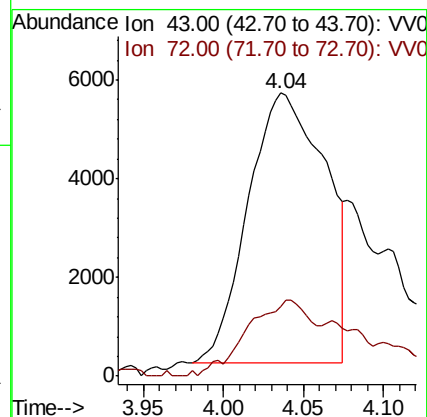
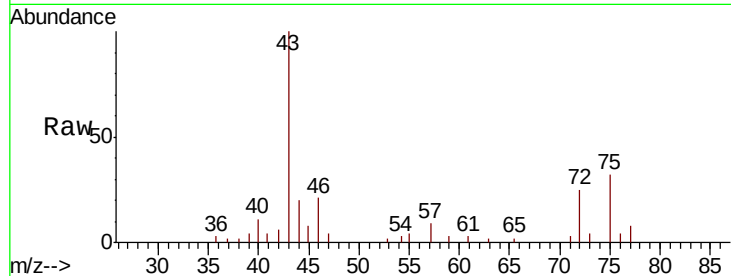
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 18261

Ion Ratio Lower Upper

43 100

72 16.9 12.0 36.0



#23

Bromochloromethane

Concen: 5.554 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV014760.D

Acq: 06 Mar 2020 16:38

Tgt Ion: 128 Resp: 9289

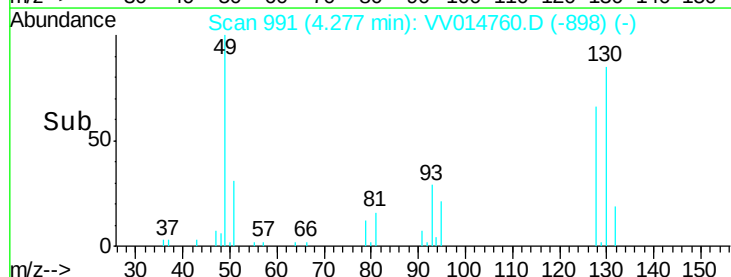
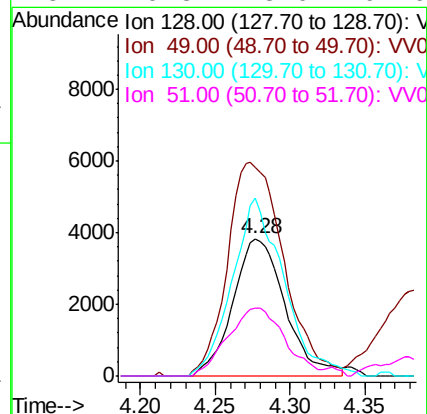
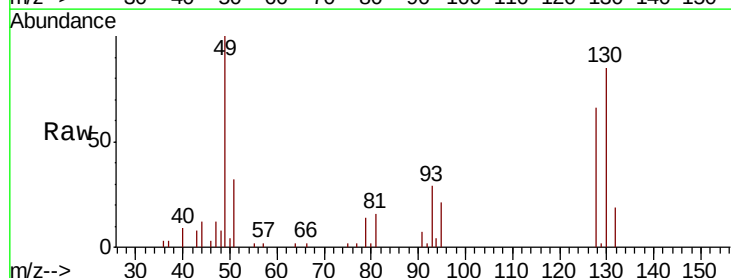
Ion Ratio Lower Upper

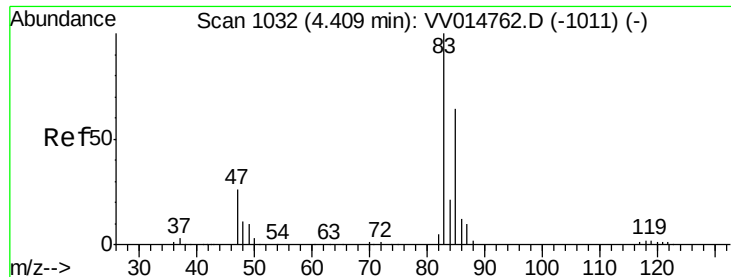
128 100

49 151.8 116.3 215.9

130 129.4 88.9 165.1

51 49.3 43.0 64.6

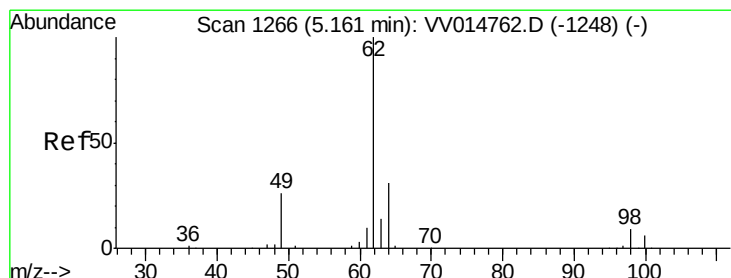
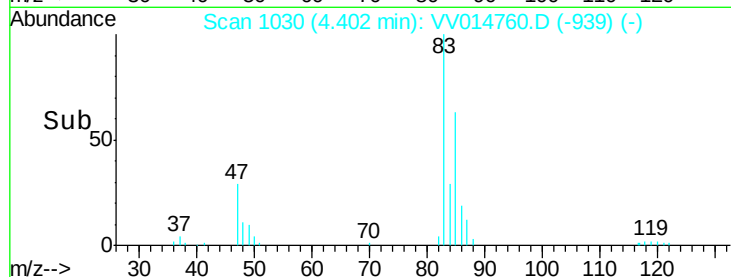
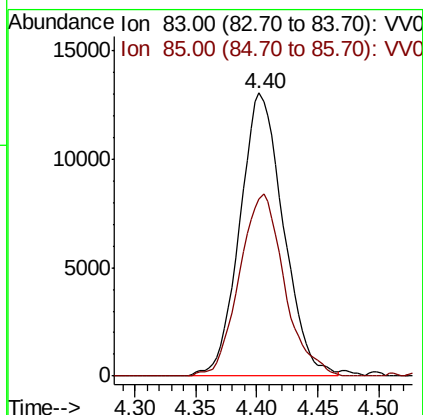
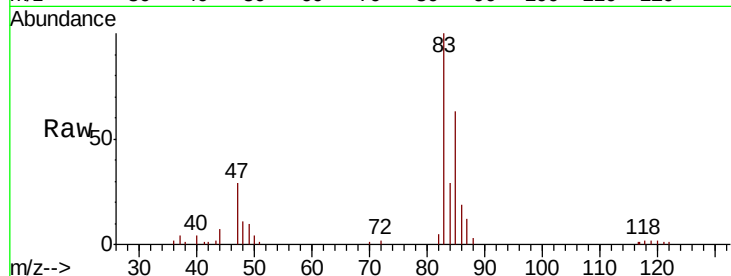




#25
Chloroform
Concen: 5.350 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VV014760.D
Acq: 06 Mar 2020 16:38

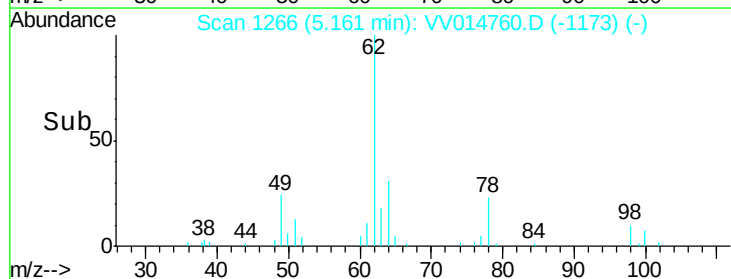
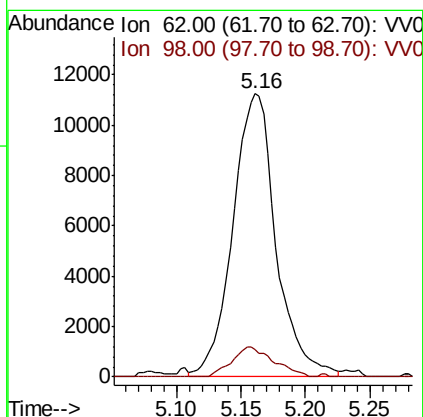
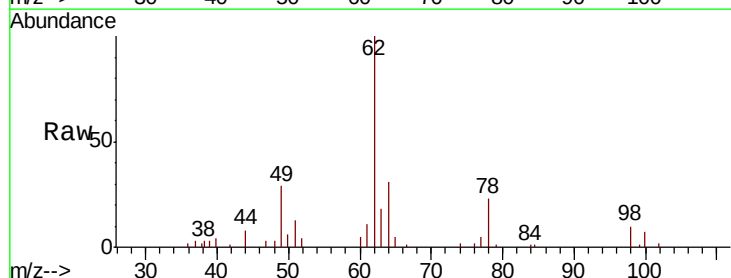
Instrument :
MSVOA_V
ClientSampled :

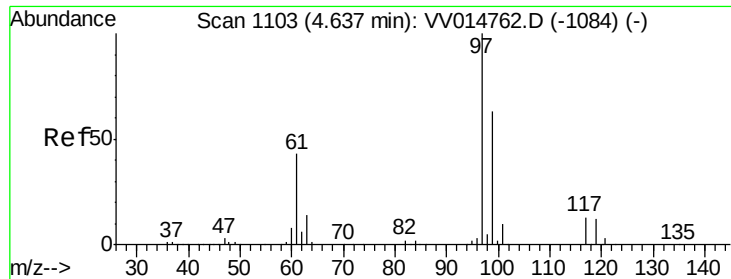
Tot Ion: 83 Resp: 32229
Ion Ratio Lower Upper
83 100
85 62.8 45.1 83.9



#27
1,2-Dichloroethane
Concen: 5.929 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VV014760.D
Acq: 06 Mar 2020 16:38

Tgt Ion: 62 Resp: 26222
Ion Ratio Lower Upper
62 100
98 9.5 7.2 10.8

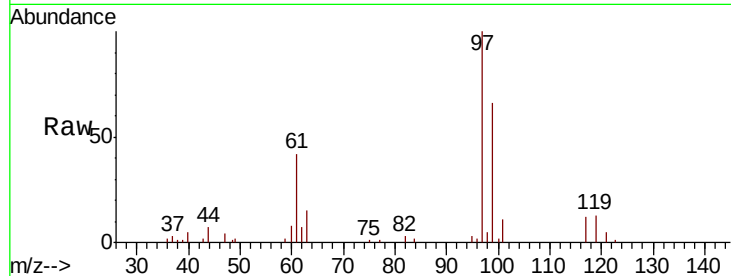




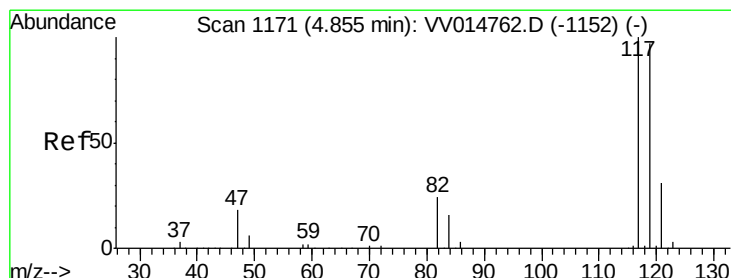
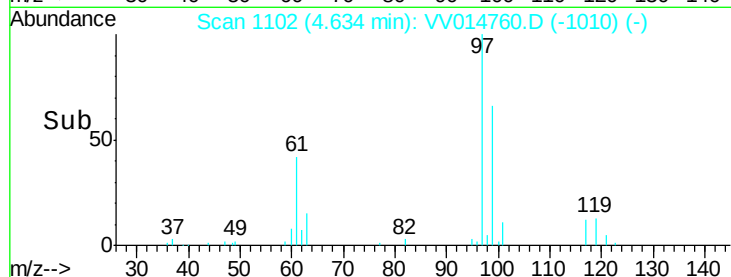
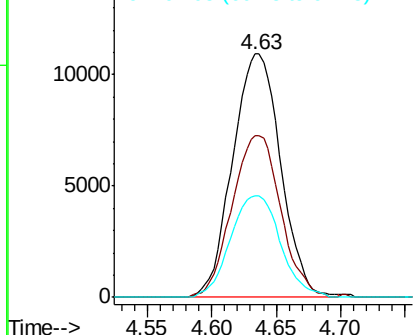
#30
 1,1,1-Trichloroethane
 Concen: 5.243 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VV014760.D
 Acq: 06 Mar 2020 16:38

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 97 Resp: 28449
 Ion Ratio Lower Upper
 97 100
 99 67.1 51.6 77.4
 61 43.3 34.6 52.0

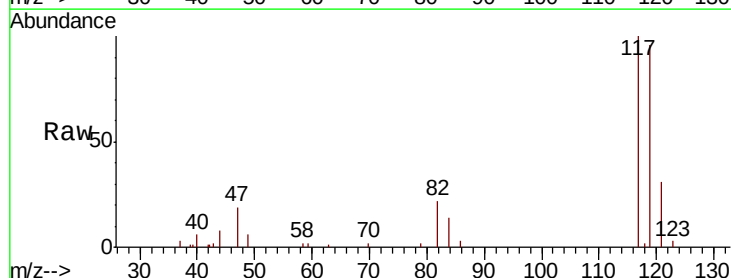


Abundance Ion 97.00 (96.70 to 97.70): VV0
 Ion 99.00 (98.70 to 99.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0

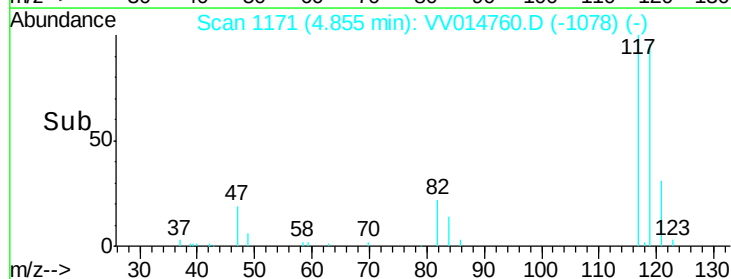
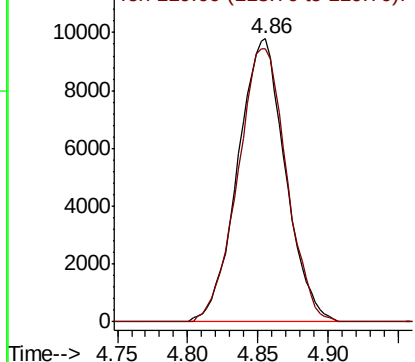


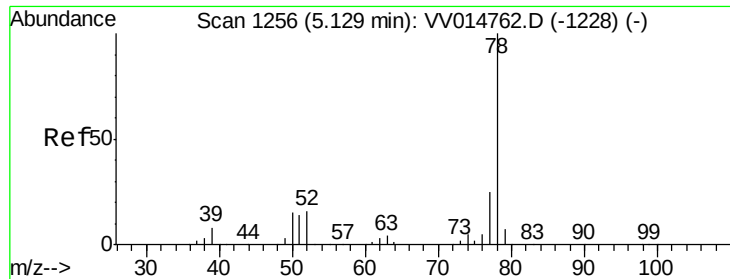
#31
 Carbon tetrachloride
 Concen: 4.829 ug/L
 RT: 4.86 min Scan# 1171
 Delta R.T. 0.00 min
 Lab File: VV014760.D
 Acq: 06 Mar 2020 16:38

Tgt Ion: 117 Resp: 23075
 Ion Ratio Lower Upper
 117 100
 119 98.5 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V

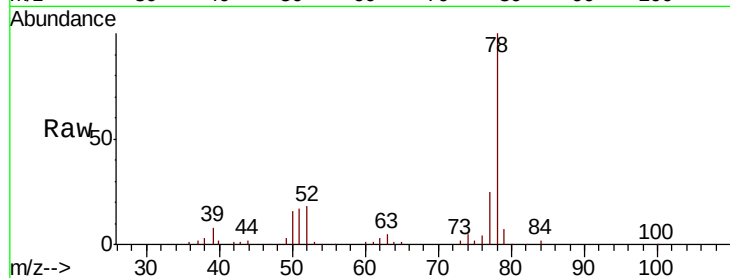




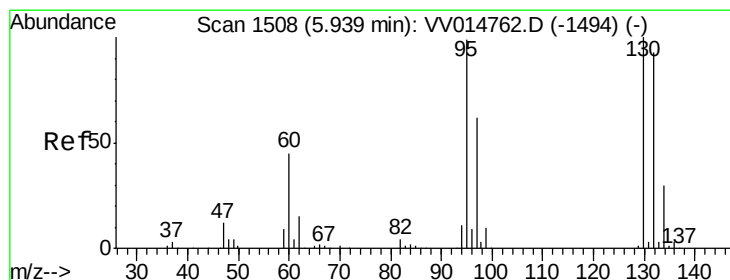
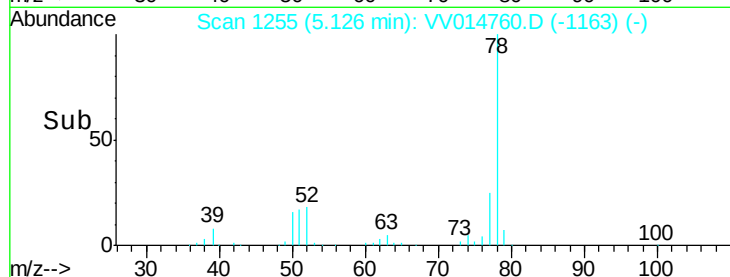
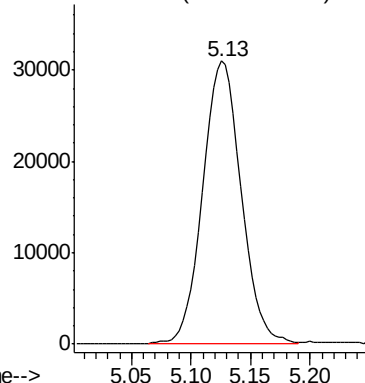
#33
Benzene
Concen: 5.633 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VV014760.D
Acq: 06 Mar 2020 16:38

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 69708



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34
Trichloroethene
Concen: 5.147 ug/L
RT: 5.94 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VV014760.D
Acq: 06 Mar 2020 16:38

Tgt Ion: 95 Resp: 18221

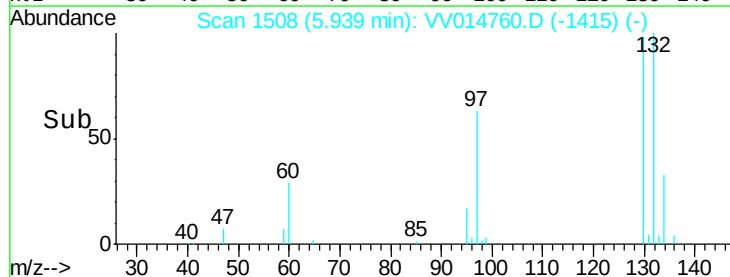
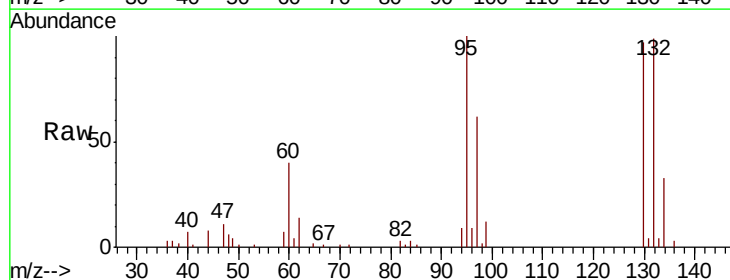
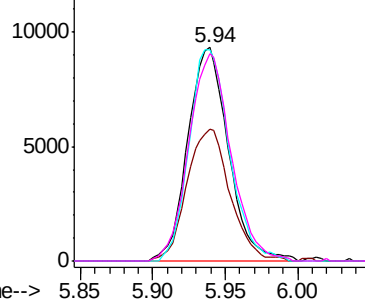
Ion	Ratio	Lower	Upper
95	100		
97	62.0	43.8	81.4
132	98.9	65.8	122.2
130	97.1	70.6	131.2

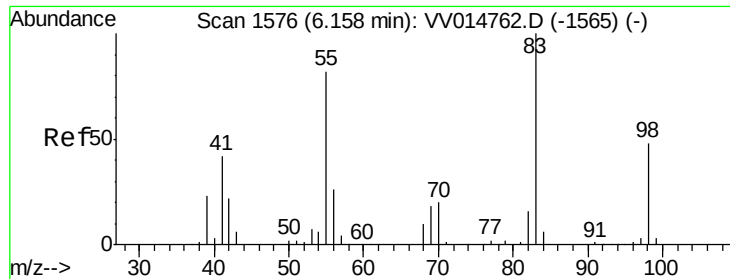
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

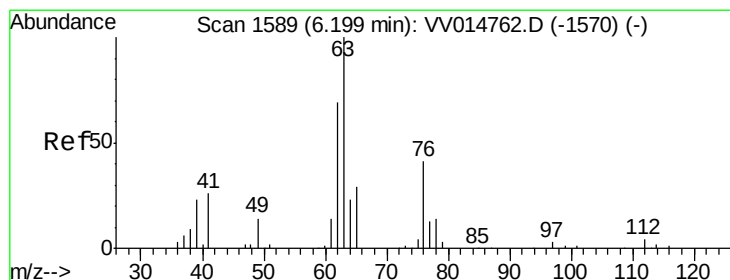
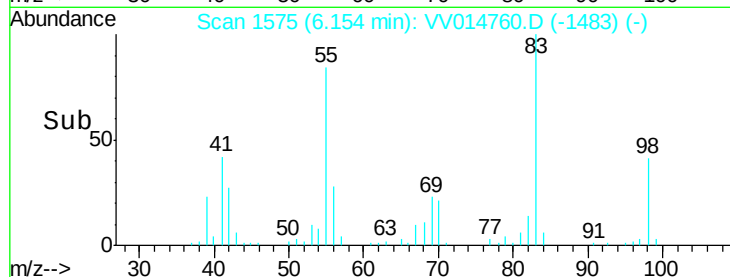
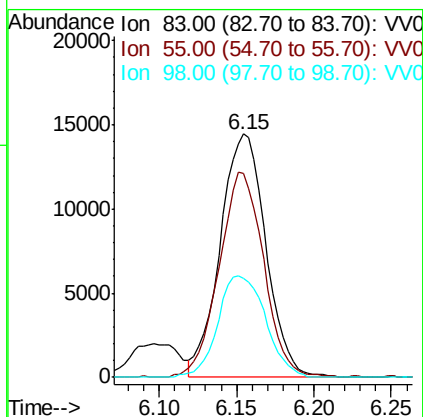
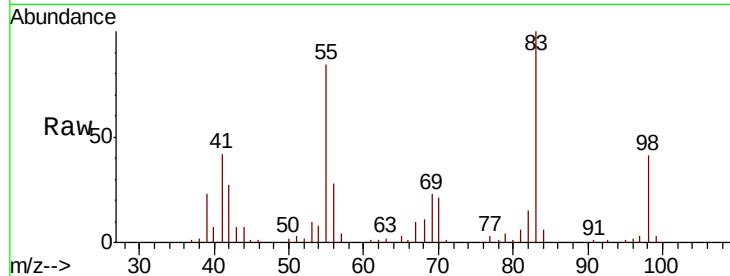




#35
Methylvlcyclohexane
Concen: 5.758 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VV014760.D
Acq: 06 Mar 2020 16:38

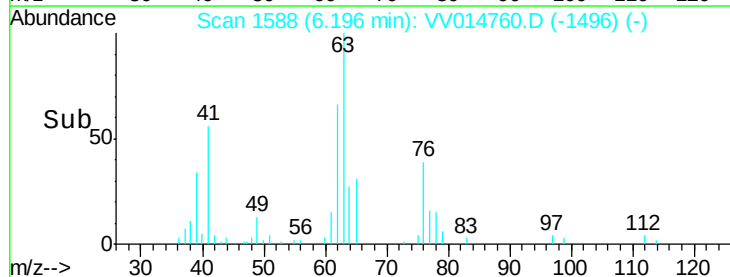
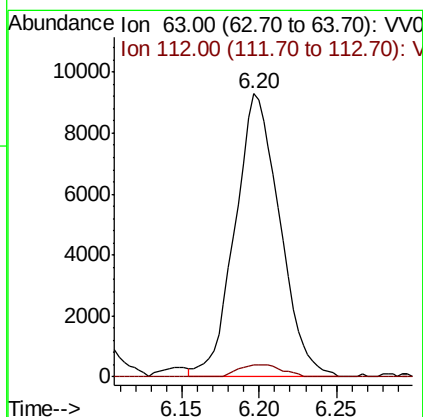
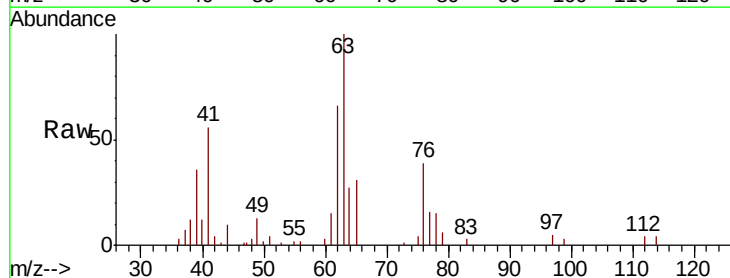
Instrument :
MSVOA_V
ClientSampleId :

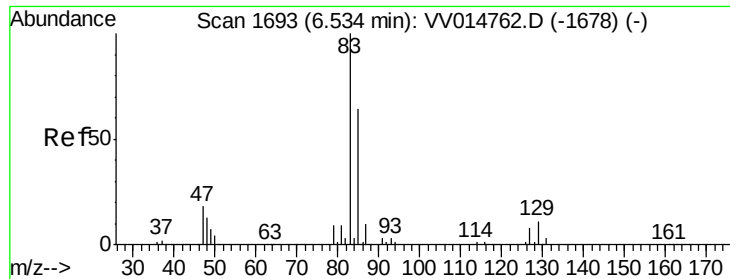
Tot Ion: 83 Resp: 29639
Ion Ratio Lower Upper
83 100
55 82.5 63.4 95.2
98 43.6 36.8 55.2



#37
1,2-Dichloropropane
Concen: 6.049 ug/L
RT: 6.20 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VV014760.D
Acq: 06 Mar 2020 16:38

Tgt Ion: 63 Resp: 18681
Ion Ratio Lower Upper
63 100
112 4.2 3.2 4.8

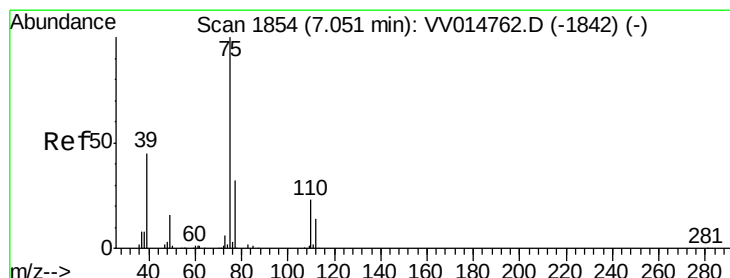
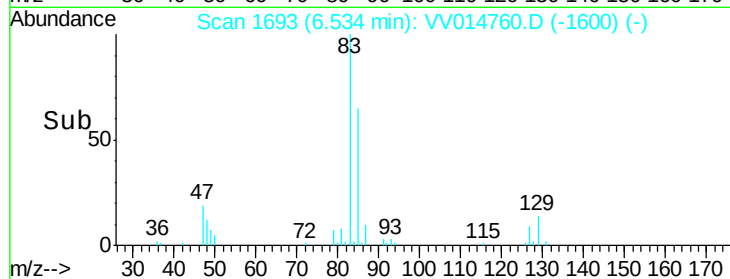
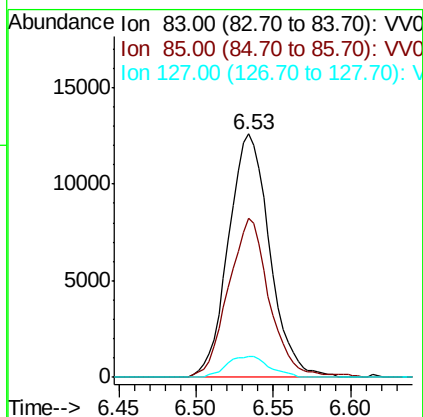
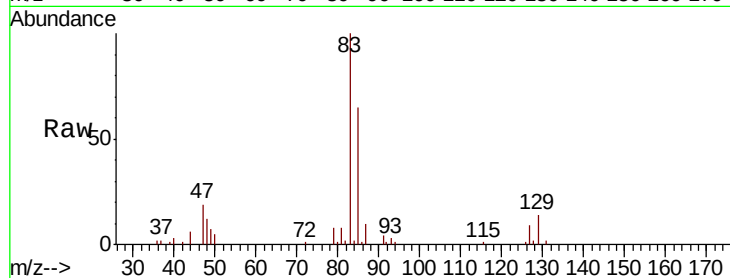




#38
 Bromodichloromethane
 Concen: 5.120 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV014760.D
 Acq: 06 Mar 2020 16:38

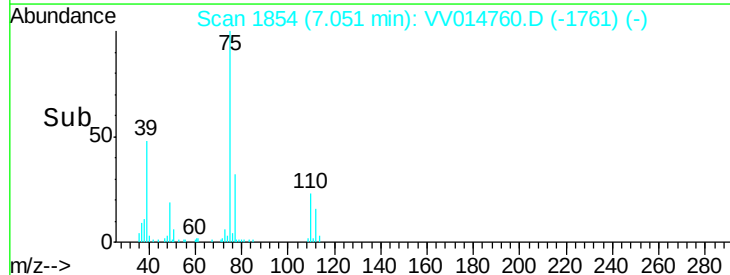
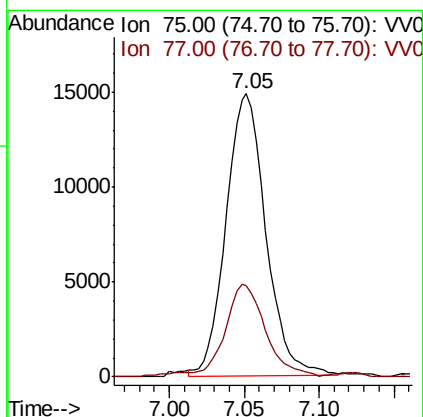
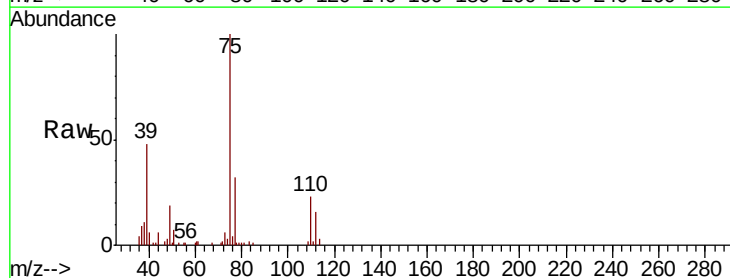
Instrument :
 MSVOA_V
 ClientSampleId :

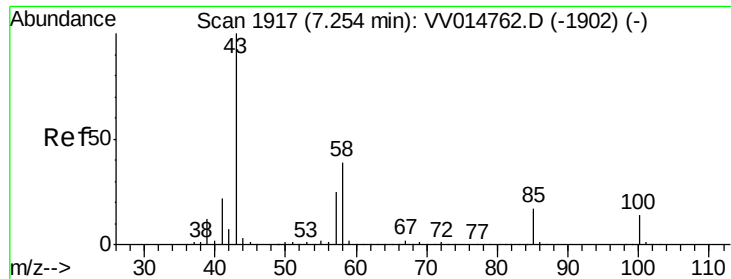
Tot Ion: 83 Resp: 23371
 Ion Ratio Lower Upper
 83 100
 85 65.2 45.1 83.7
 127 8.7 6.7 10.1



#39
 cis-1,3-Dichloropropene
 Concen: 5.170 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV014760.D
 Acq: 06 Mar 2020 16:38

Tgt Ion: 75 Resp: 27560
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.8 42.4

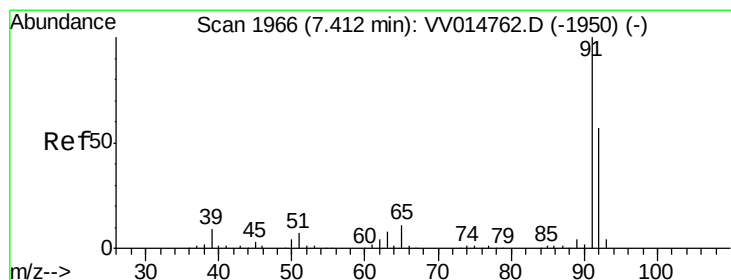
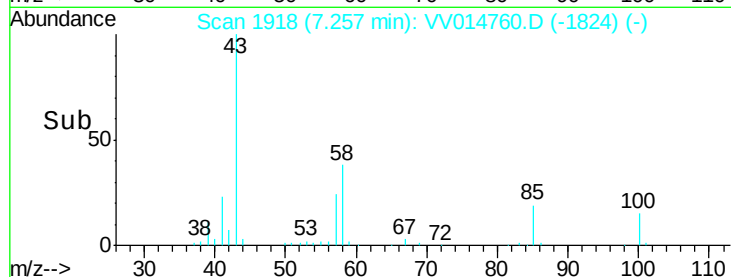
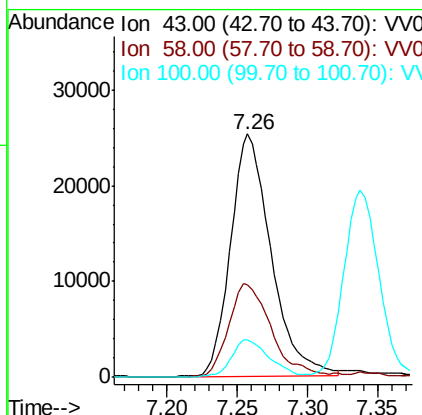
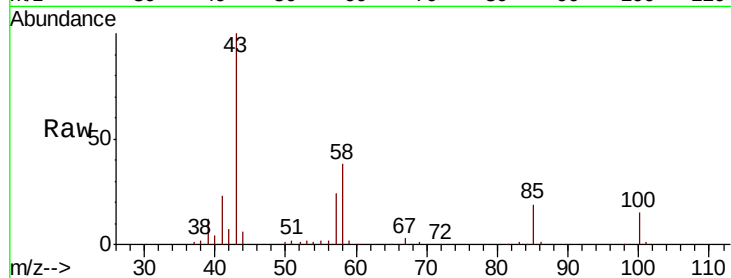




#40
4-Methyl-2-pentanone
Concen: 12.843 ug/L
RT: 7.26 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VV014760.D
Acq: 06 Mar 2020 16:38

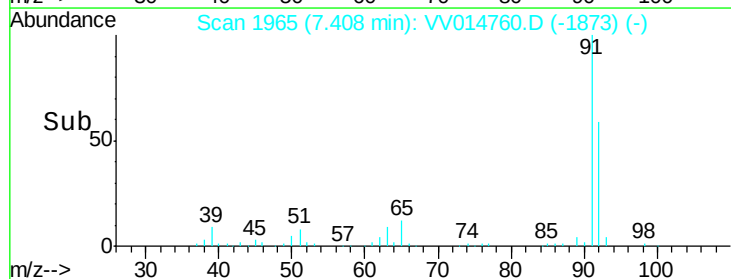
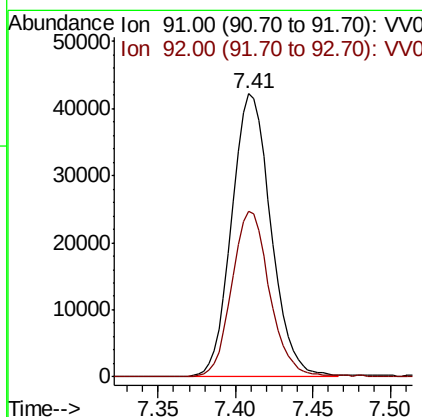
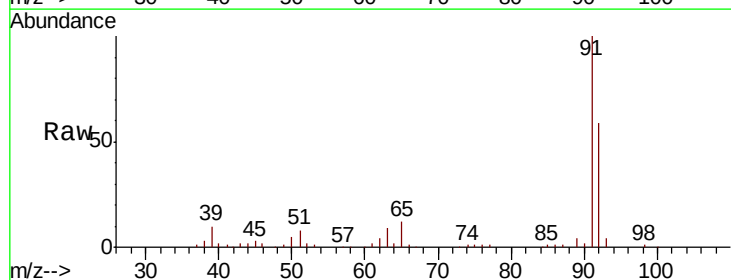
Instrument :
MSVOA_V
ClientSampled :

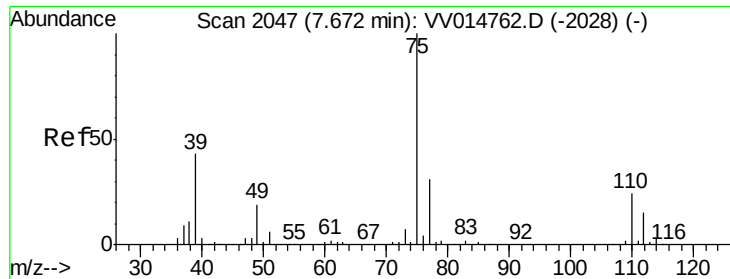
Tot Ion: 43 Resp: 50983
Ion Ratio Lower Upper
43 100
58 40.7 31.0 46.4
100 14.7 11.2 16.8



#42
Toluene
Concen: 5.563 ug/L
RT: 7.41 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VV014760.D
Acq: 06 Mar 2020 16:38

Tgt Ion: 91 Resp: 74592
Ion Ratio Lower Upper
91 100
92 58.5 40.1 74.5





#44

trans-1,3-Dichloropropene

Concen: 5.173 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.00 min

Lab File: VV014760.D

Acq: 06 Mar 2020 16:38

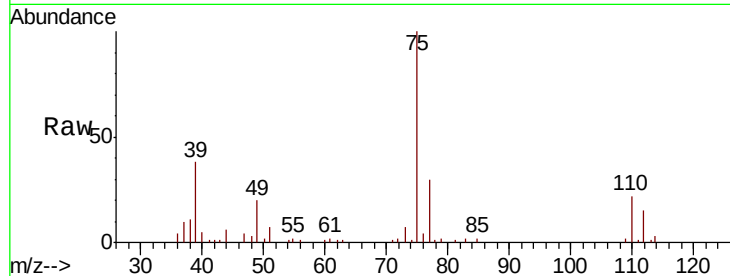
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 25129

Ion Ratio Lower Upper

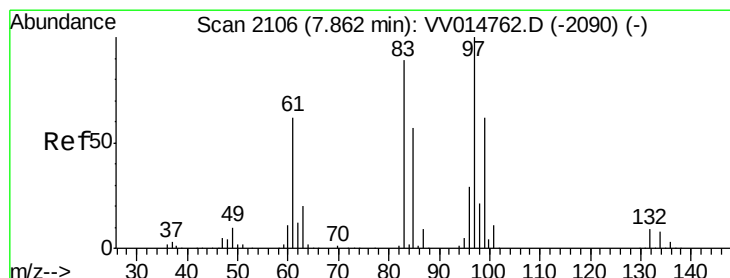
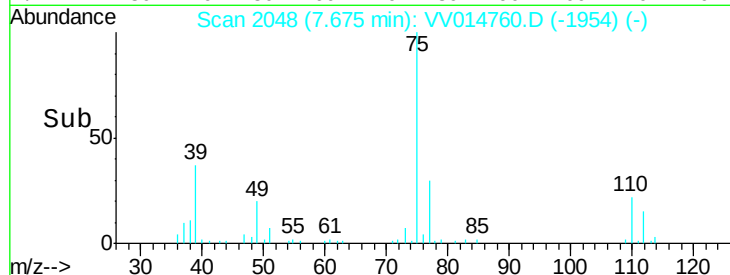
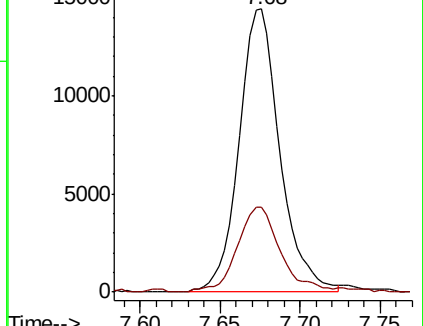
75 100

77 30.2 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VV014760.D (-1954) (-)

Ion 77.00 (76.70 to 77.70): VV014760.D (-1954) (-)



#45

1,1,2-Trichloroethane

Concen: 5.336 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VV014760.D

Acq: 06 Mar 2020 16:38

Tgt Ion: 97 Resp: 16963

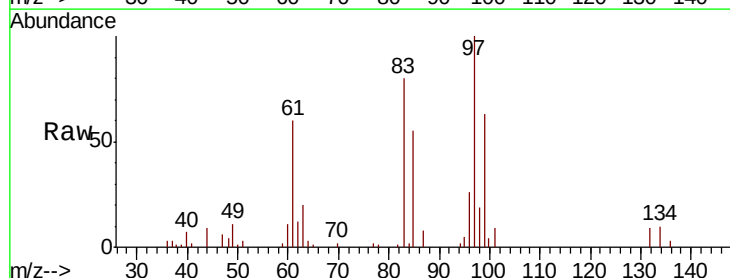
Ion Ratio Lower Upper

97 100

99 63.1 43.1 80.1

83 80.4 62.4 115.8

85 55.3 40.1 74.5

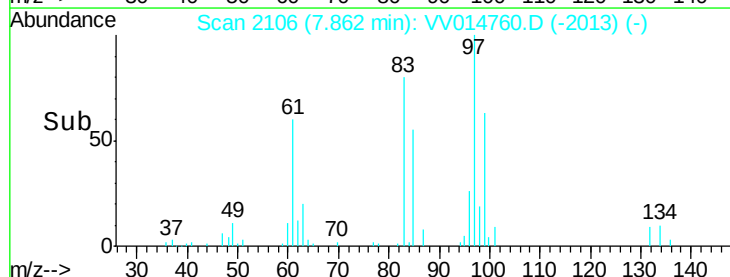
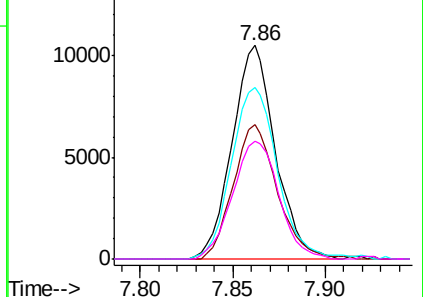


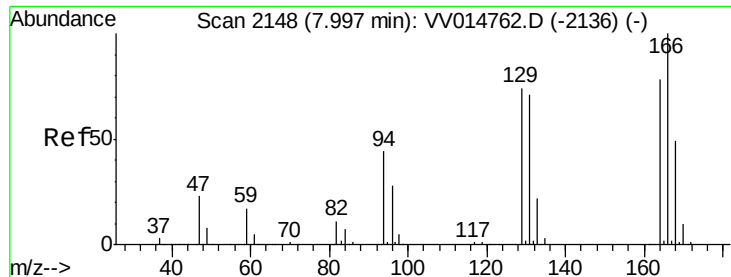
Abundance Ion 97.00 (96.70 to 97.70): VV014760.D (-2013) (-)

Ion 99.00 (98.70 to 99.70): VV014760.D (-2013) (-)

Ion 83.00 (82.70 to 83.70): VV014760.D (-2013) (-)

Ion 85.00 (84.70 to 85.70): VV014760.D (-2013) (-)

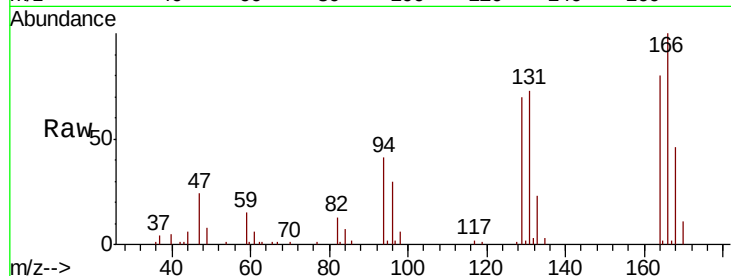




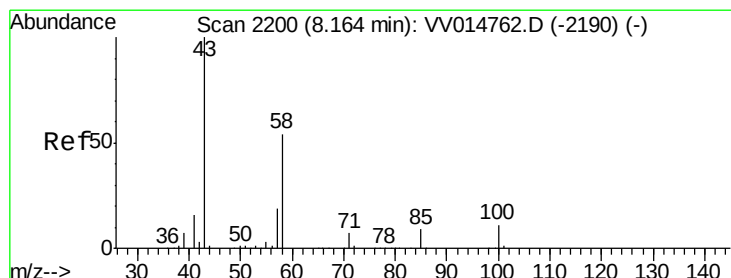
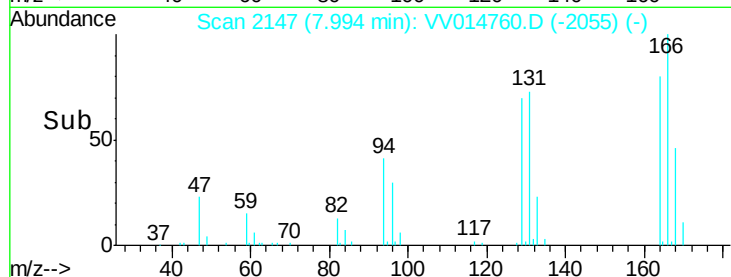
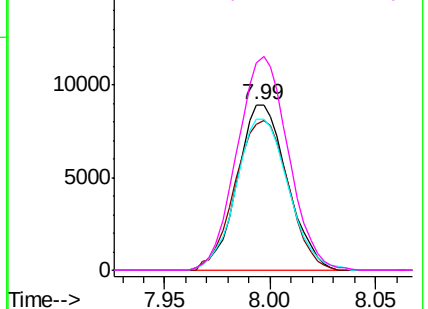
#46
Tetrachloroethene
Concen: 5.666 ug/L
RT: 7.99 min Scan# 2147
Delta R.T. -0.00 min
Lab File: VV014760.D
Acq: 06 Mar 2020 16:38

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 14742
Ion Ratio Lower Upper
164 100
129 88.5 66.0 122.6
131 91.6 63.9 118.7
166 125.7 89.7 166.7

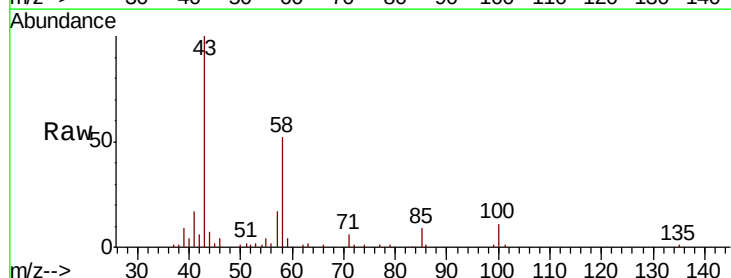


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

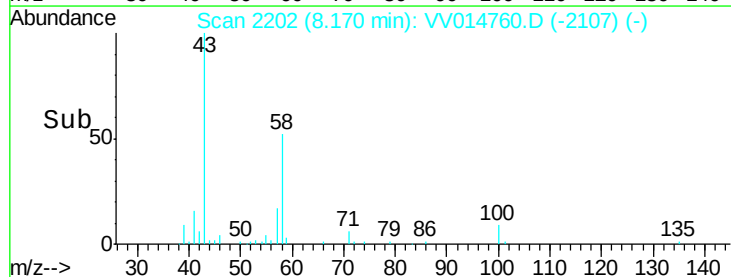
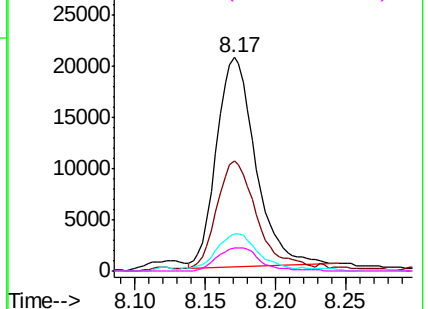


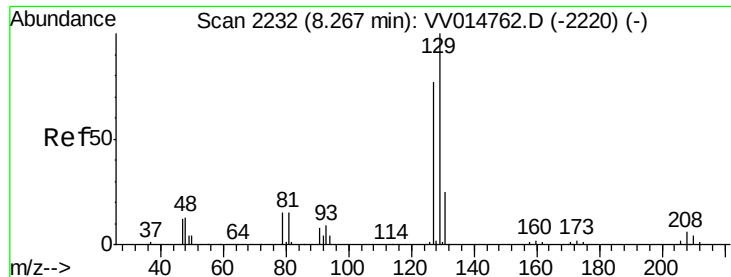
#48
2-Hexanone
Concen: 12.706 ug/L
RT: 8.17 min Scan# 2202
Delta R.T. 0.01 min
Lab File: VV014760.D
Acq: 06 Mar 2020 16:38

Tgt Ion: 43 Resp: 39748
Ion Ratio Lower Upper
43 100
58 55.1 43.3 64.9
57 17.8 15.6 23.4
100 11.8 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0





#49

Dibromochloromethane

Concen: 4.762 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV014760.D

Acq: 06 Mar 2020 16:38

Instrument :

MSVOA_V

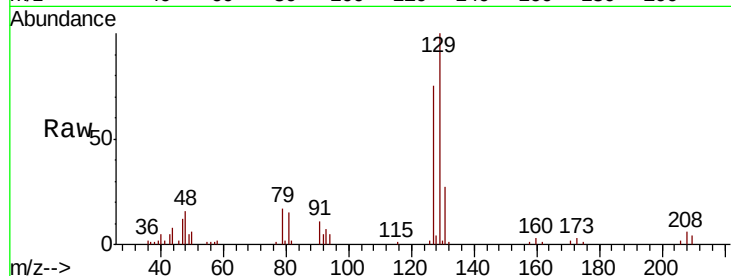
ClientSampleId :

Tot Ion:129 Resp: 17743

Ion Ratio Lower Upper

129 100

127 75.1 53.9 100.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.27

10000

8000

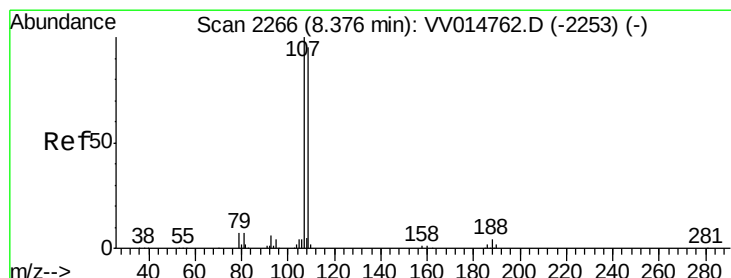
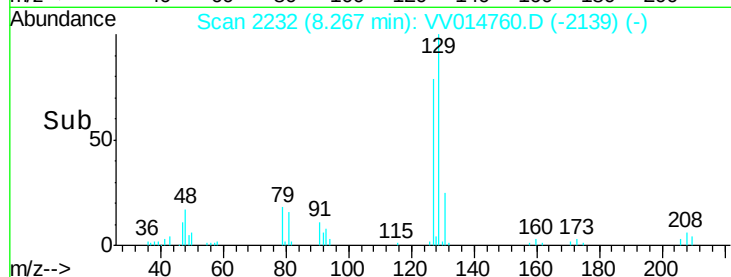
6000

4000

2000

0

Time--> 8.20 8.25 8.30



#50

1,2-Dibromoethane

Concen: 5.042 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. -0.00 min

Lab File: VV014760.D

Acq: 06 Mar 2020 16:38

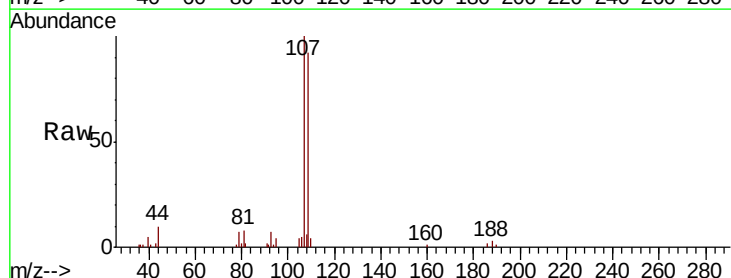
Tgt Ion:107 Resp: 17709

Ion Ratio Lower Upper

107 100

109 91.6 66.6 123.6

188 2.9 3.0 4.6#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

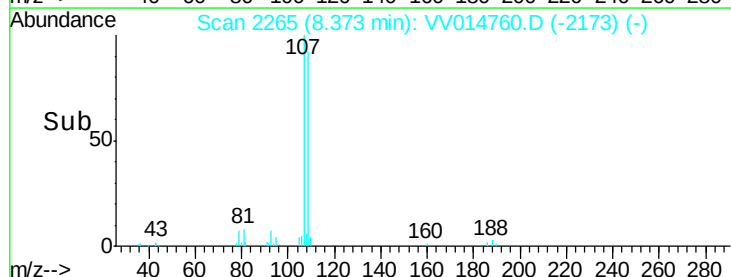
8.37

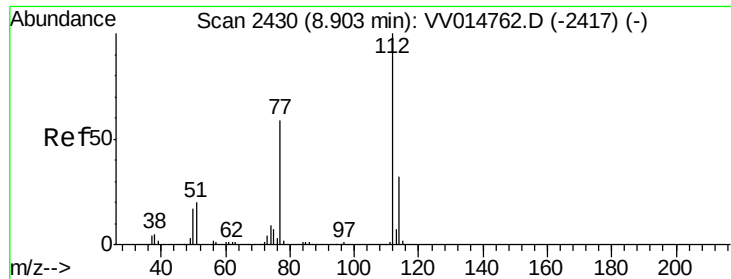
10000

5000

0

Time--> 8.35 8.40

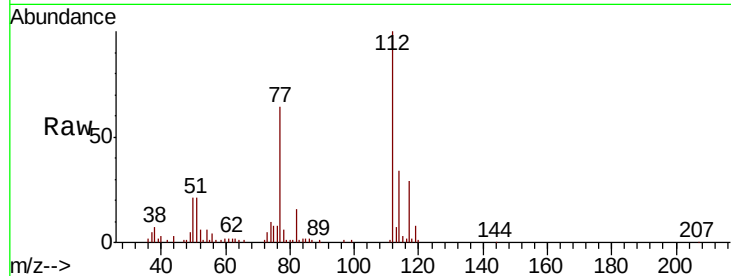




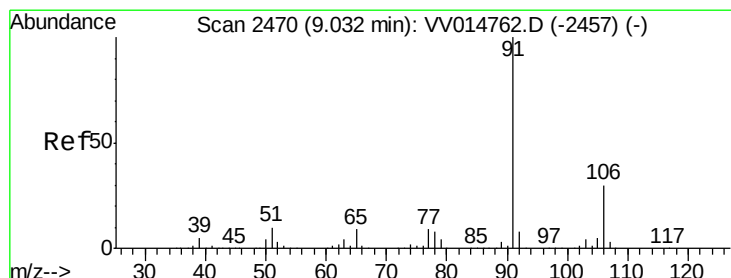
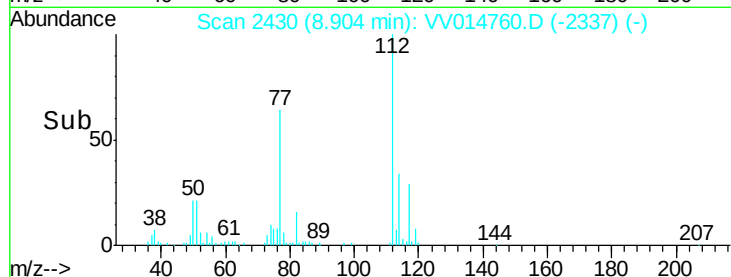
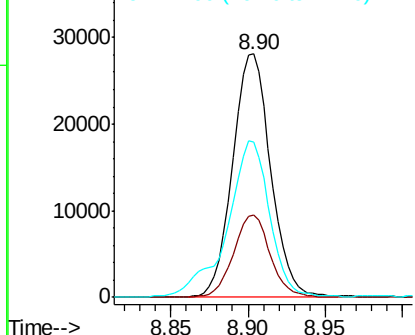
#51
Chlorobenzene
Concen: 5.311 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV014760.D
Acq: 06 Mar 2020 16:38

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.8	22.1	41.1
77	63.5	47.8	71.8

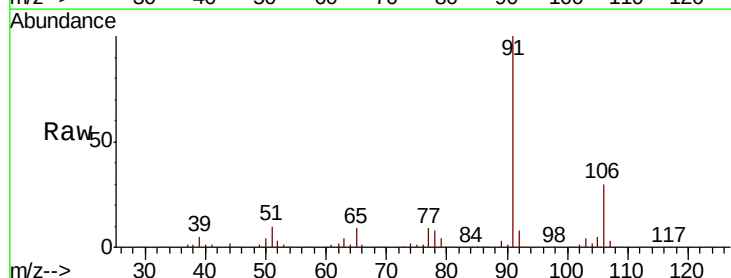


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

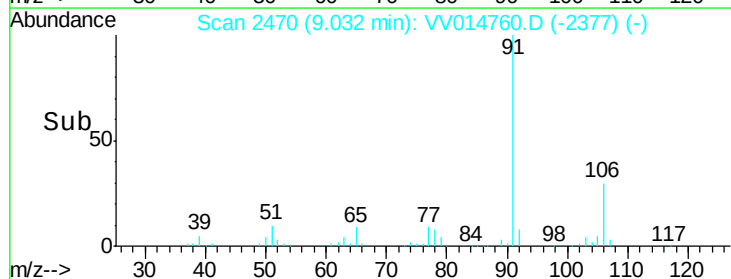
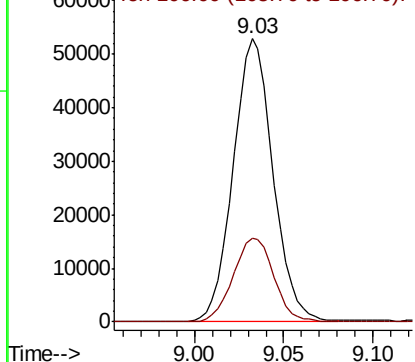


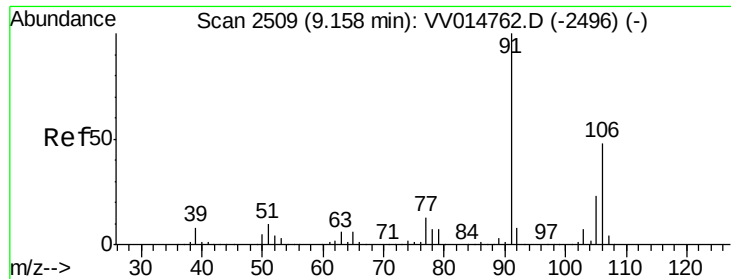
#52
Ethylbenzene
Concen: 5.369 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV014760.D
Acq: 06 Mar 2020 16:38

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.5	21.3	39.6



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

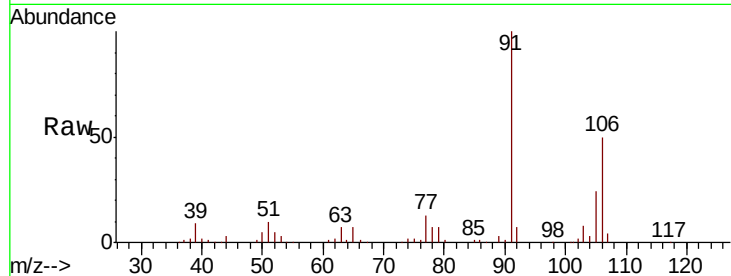




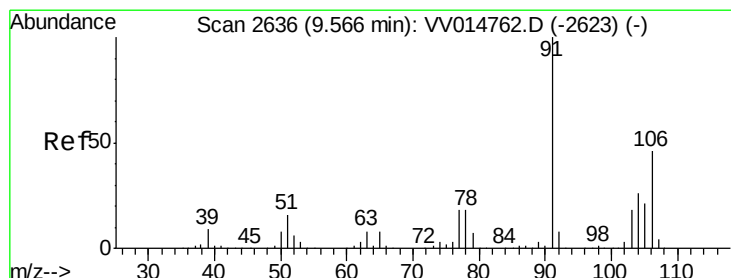
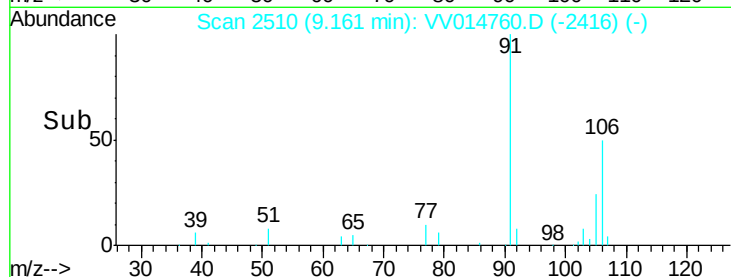
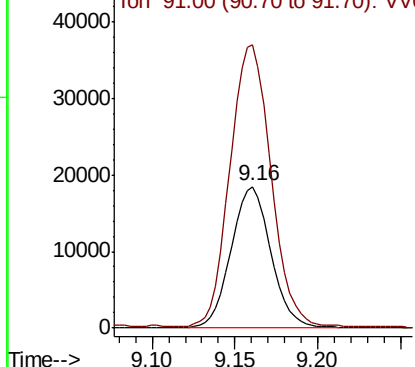
#53
m,p-Xylene
Concen: 5.255 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV014760.D
Acq: 06 Mar 2020 16:38

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 30894
Ion Ratio Lower Upper
106 100
91 200.1 145.1 269.5

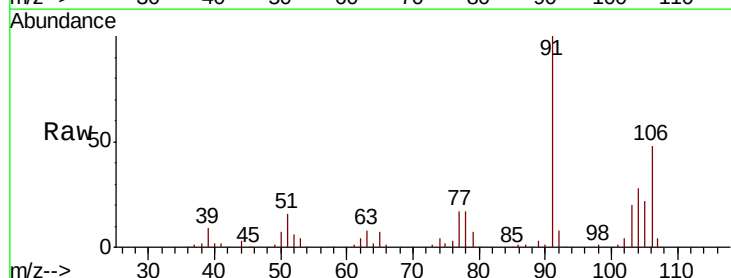


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

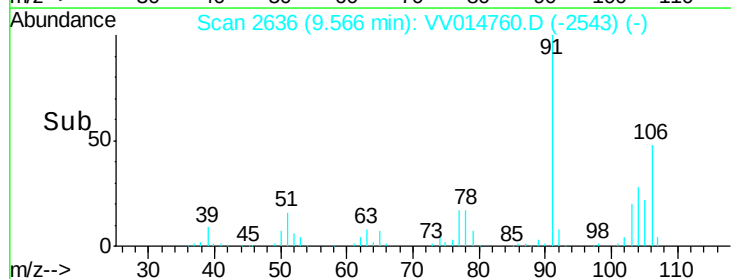
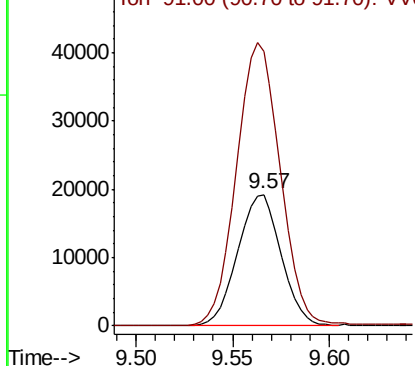


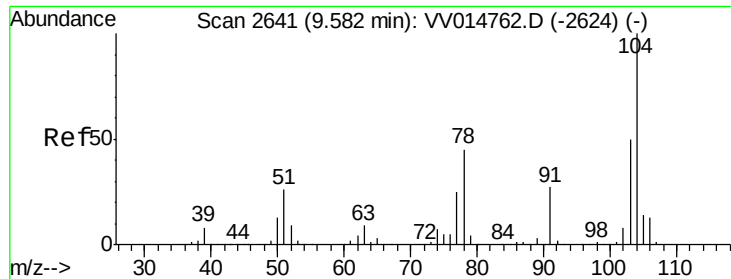
#54
o-xylene
Concen: 5.227 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV014760.D
Acq: 06 Mar 2020 16:38

Tgt Ion:106 Resp: 30075
Ion Ratio Lower Upper
106 100
91 209.5 152.5 283.3



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





#55

Stvrene

Concen: 5.097 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014760.D

Acq: 06 Mar 2020 16:38

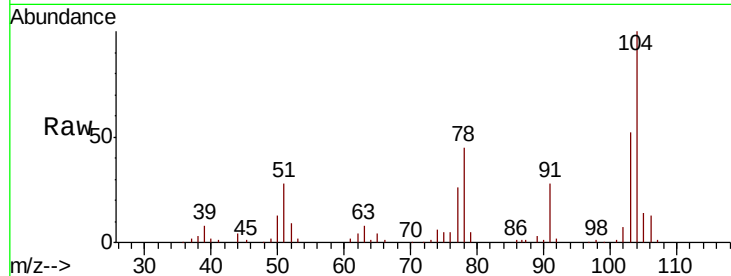
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:104 Resp: 49134

Ion Ratio Lower Upper

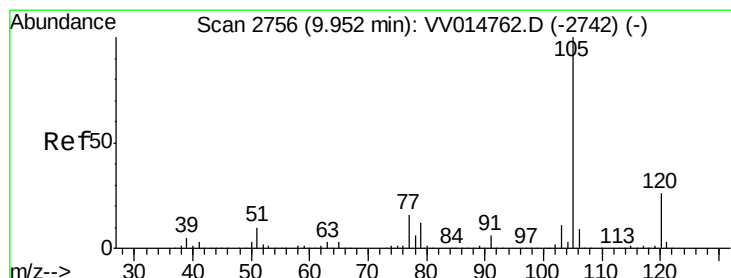
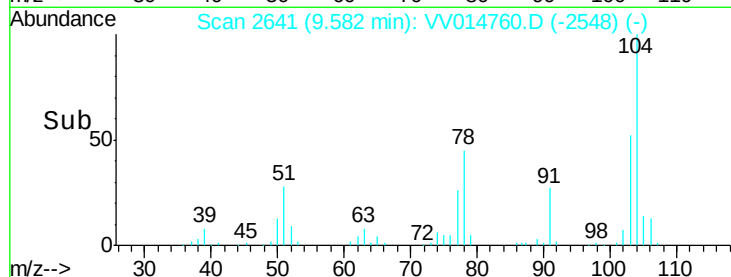
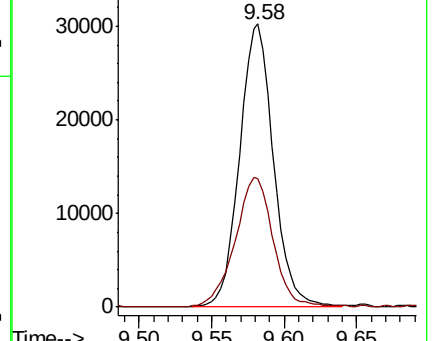
104 100

78 45.3 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: 5.422 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV014760.D

Acq: 06 Mar 2020 16:38

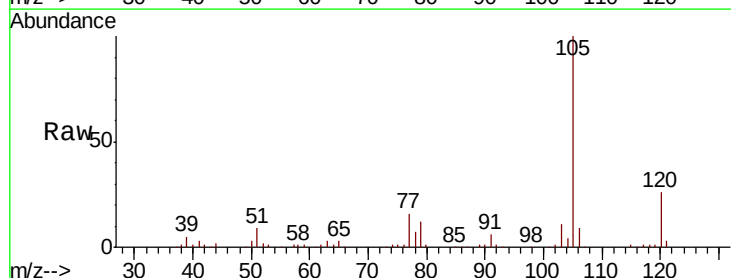
Tgt Ion:105 Resp: 82393

Ion Ratio Lower Upper

105 100

120 25.8 20.6 31.0

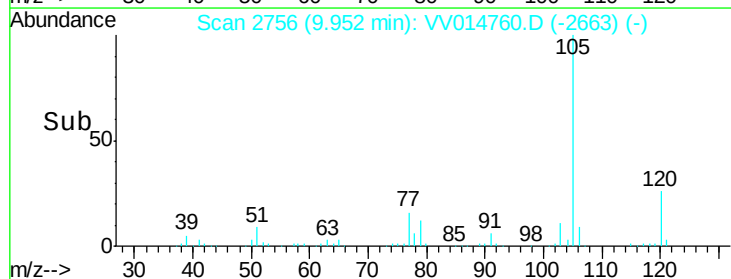
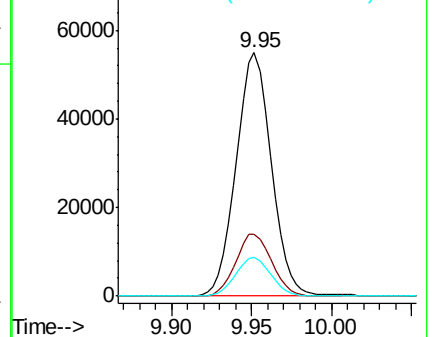
77 15.9 12.7 19.1

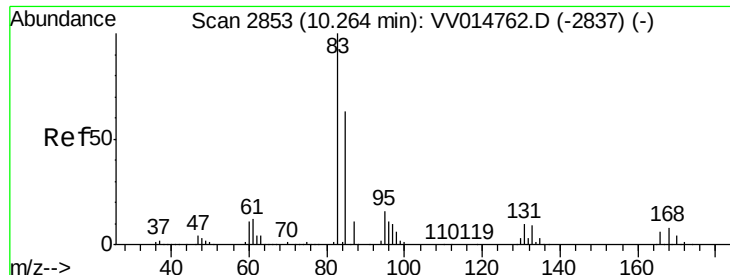


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0





#58

1,1,2,2-Tetrachloroethane

Concen: 5.824 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV014760.D

Acq: 06 Mar 2020 16:38

Instrument :

MSVOA_V

ClientSampleId :

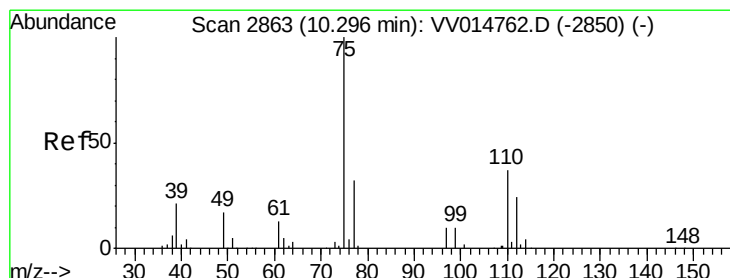
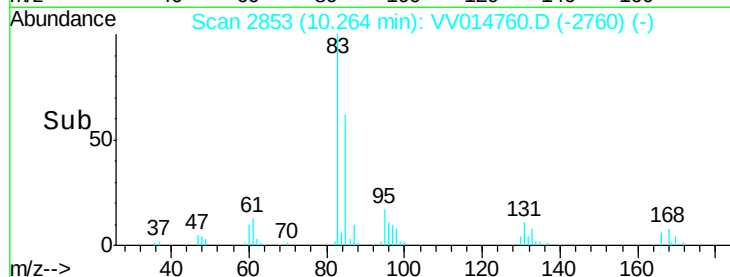
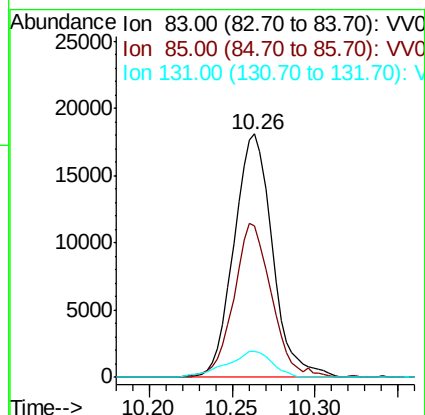
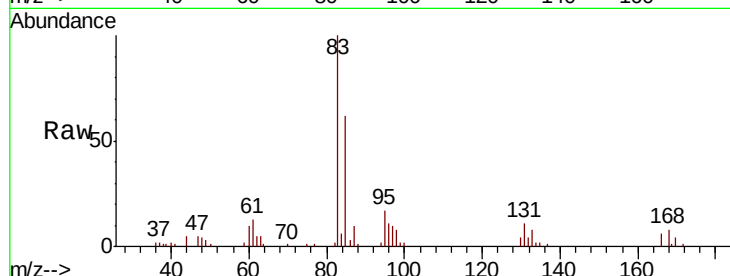
Tot Ion: 83 Resp: 29218

Ion	Ratio	Lower	Upper
83	100		
85	62.3	44.4	82.5
131	10.8	7.8	11.8

83 100

85 62.3 44.4 82.5

131 10.8 7.8 11.8



#59

1,2,3-Trichloropropane

Concen: 5.720 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV014760.D

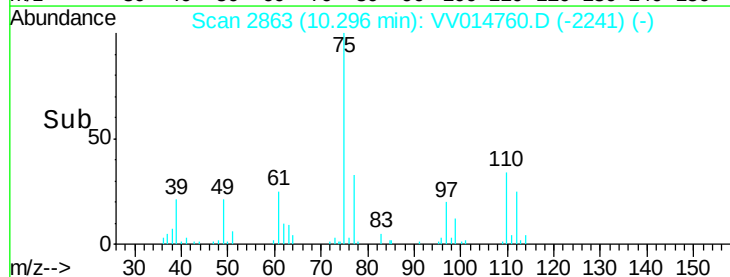
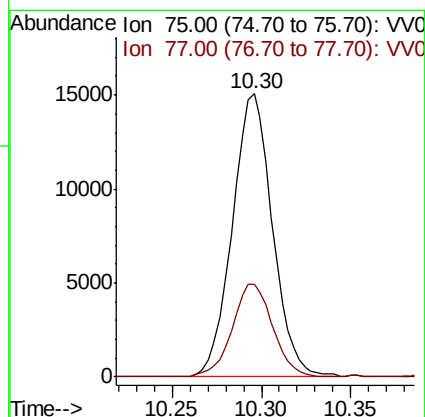
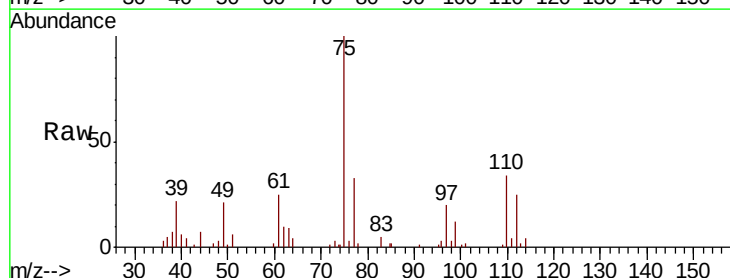
Acq: 06 Mar 2020 16:38

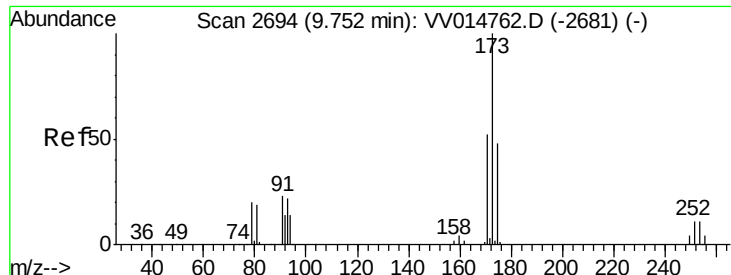
Tgt Ion: 75 Resp: 23552

Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.6	38.4

75 100

77 33.0 25.6 38.4





#61

Bromoform

Concen: 4.920 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV014760.D

Acq: 06 Mar 2020 16:38

Instrument :
MSVOA_V
ClientSampled :

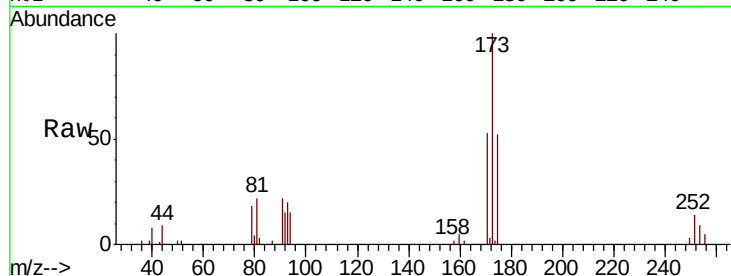
Tot Ion:173 Resp: 12675

Ion Ratio Lower Upper

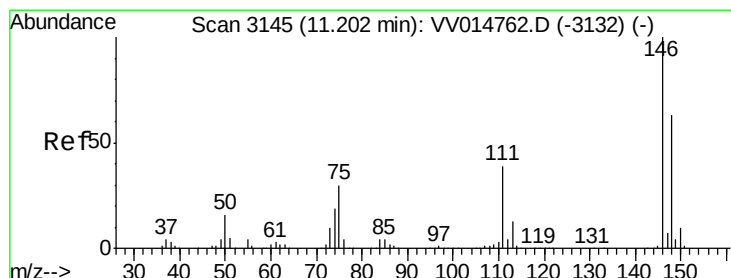
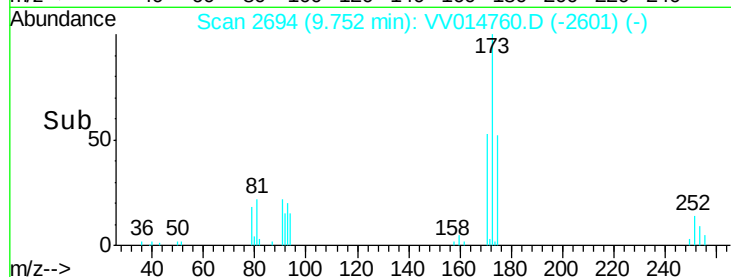
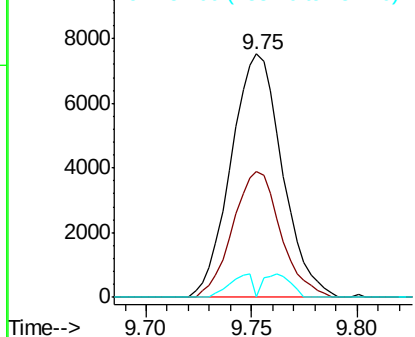
173 100

175 48.5 39.0 58.4

254 4.3 8.6 13.0#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 5.492 ug/L

RT: 11.20 min Scan# 3144

Delta R.T. -0.00 min

Lab File: VV014760.D

Acq: 06 Mar 2020 16:38

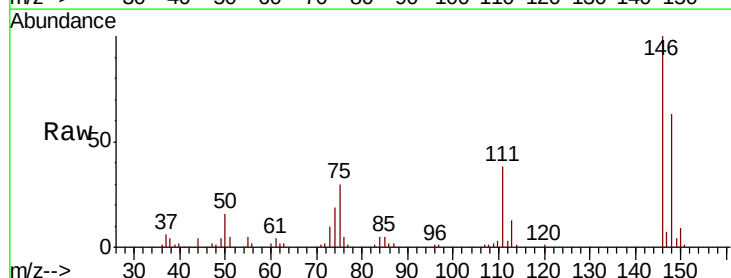
Tgt Ion:146 Resp: 39923

Ion Ratio Lower Upper

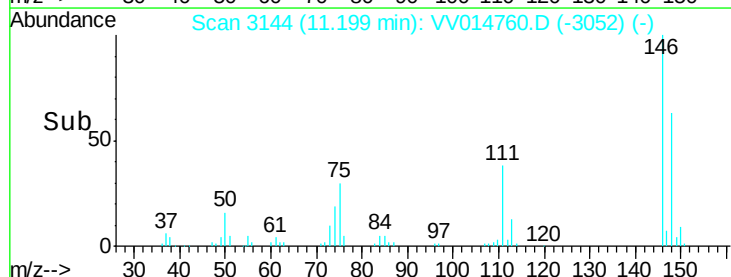
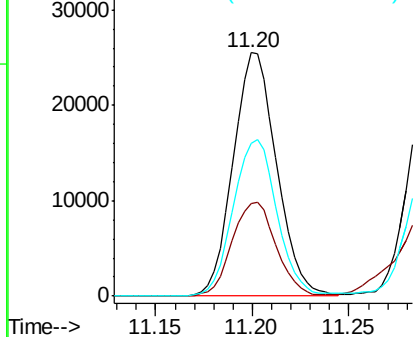
146 100

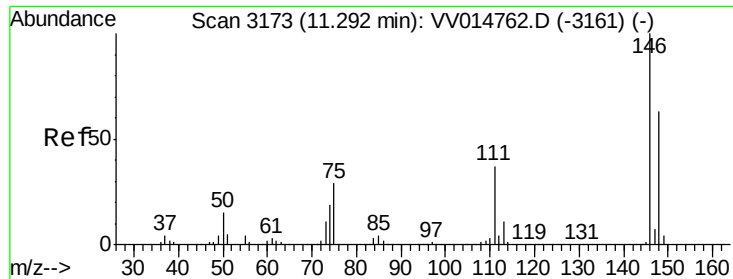
111 38.0 27.2 50.4

148 62.8 44.2 82.2



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

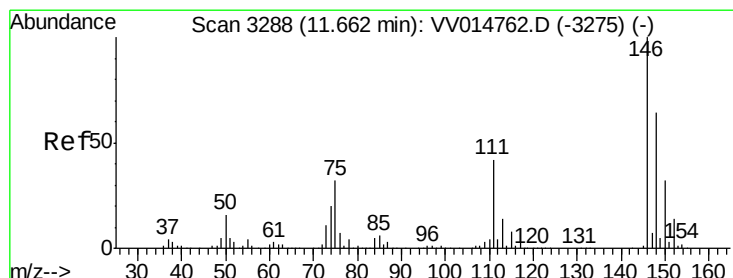
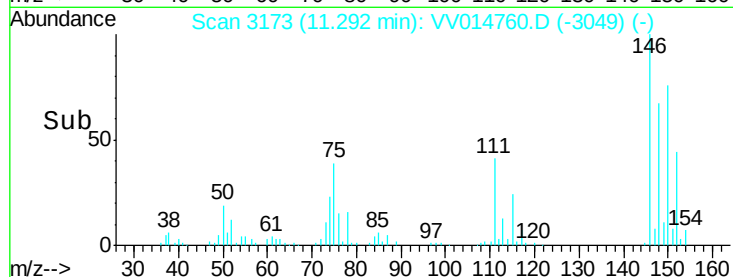
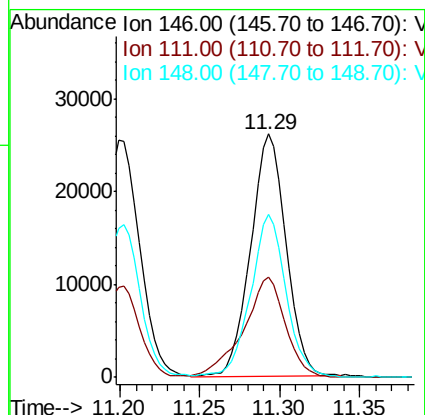
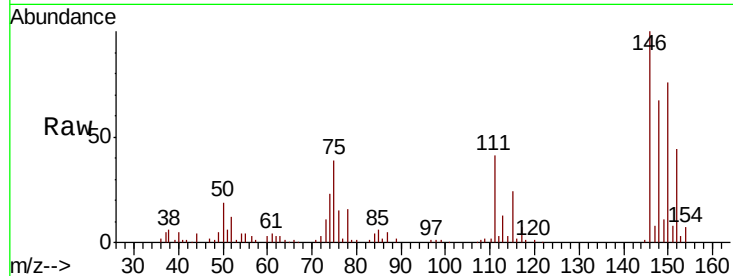




#63
 1,4-Dichlorobenzene
 Concen: 5.294 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV014760.D
 Acq: 06 Mar 2020 16:38

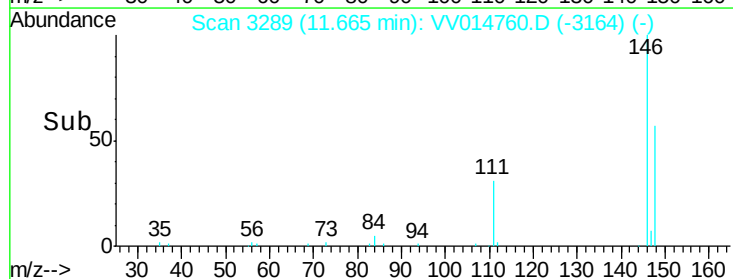
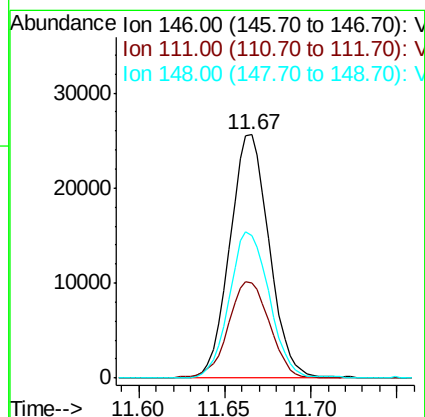
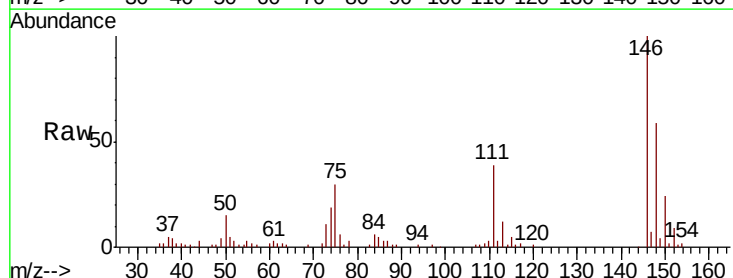
Instrument :
 MSVOA_V
 ClientSampled :

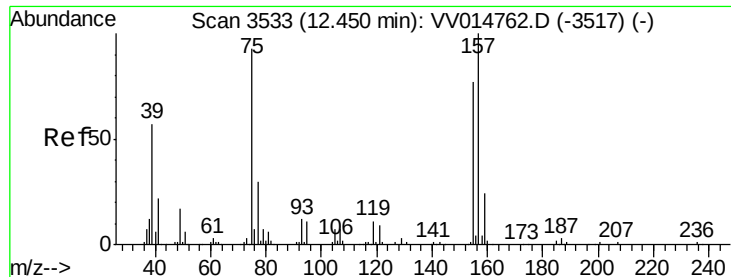
Tot Ion:146 Resp: 39504
 Ion Ratio Lower Upper
 146 100
 111 41.1 26.3 48.9
 148 66.7 44.0 81.8



#65
 1,2-Dichlorobenzene
 Concen: 5.644 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV014760.D
 Acq: 06 Mar 2020 16:38

Tgt Ion:146 Resp: 40789
 Ion Ratio Lower Upper
 146 100
 111 39.1 33.9 50.9
 148 58.6 51.4 77.0

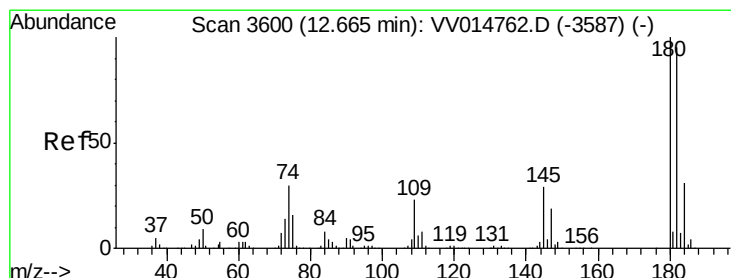
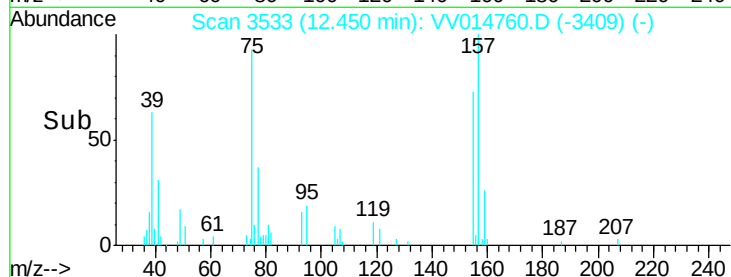
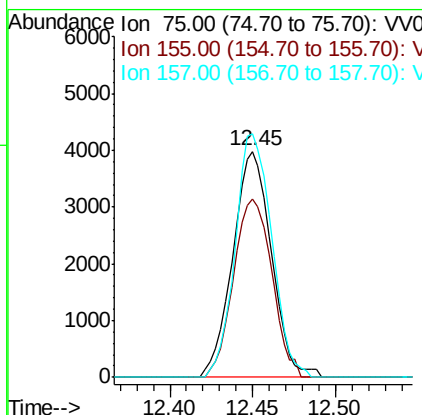
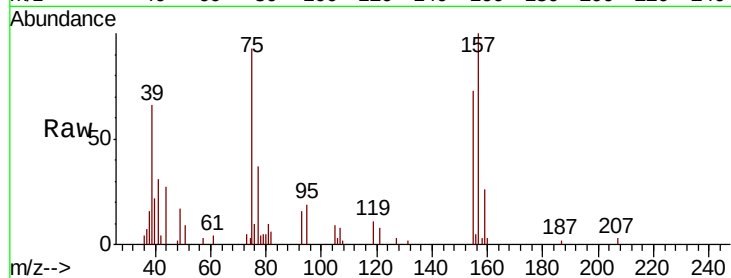




#66
1,2-Dibromo-3-chloropropane
Concen: 5.270 ug/L
RT: 12.45 min Scan# 3533
Delta R.T. 0.00 min
Lab File: VV014760.D
Acq: 06 Mar 2020 16:38

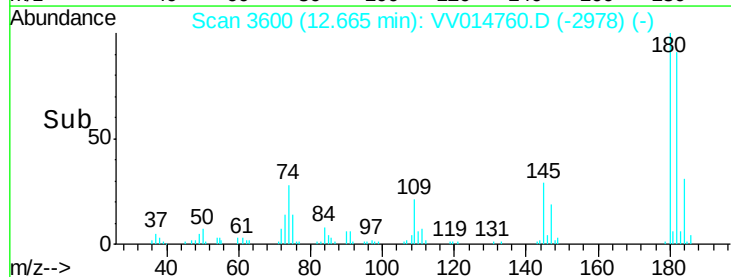
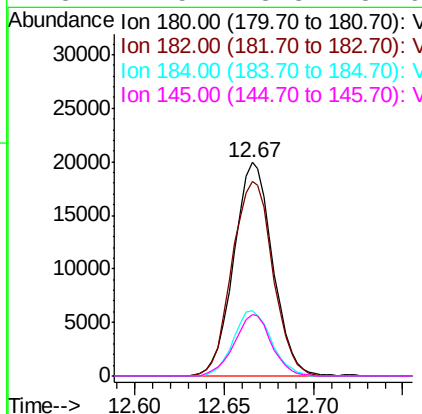
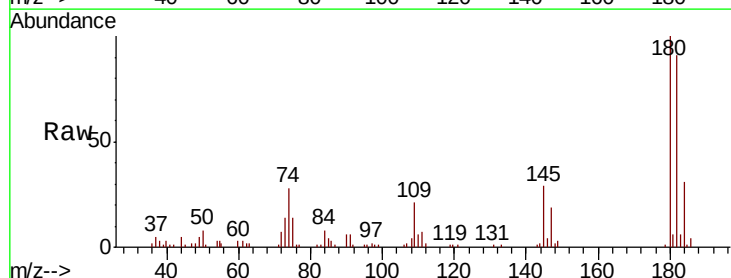
Instrument :
MSVOA_V
ClientSampleId :

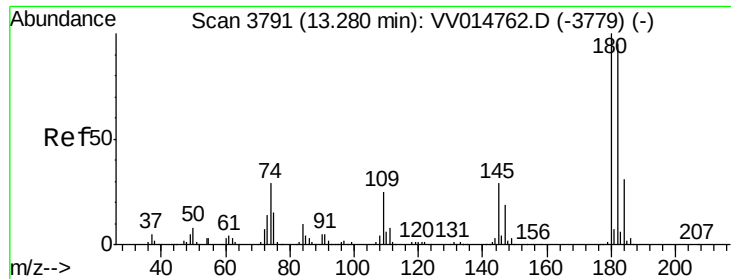
Tot Ion: 75 Resp: 6460
Ion Ratio Lower Upper
75 100
155 79.0 66.4 99.6
157 107.8 86.1 129.1



#67
1,3,5-Trichlorobenzene
Concen: 5.631 ug/L
RT: 12.67 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VV014760.D
Acq: 06 Mar 2020 16:38

Tgt Ion: 180 Resp: 30365
Ion Ratio Lower Upper
180 100
182 95.5 75.6 113.4
184 29.7 24.8 37.2
145 27.5 23.3 34.9

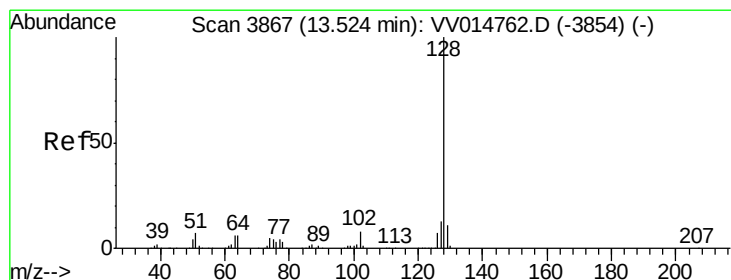
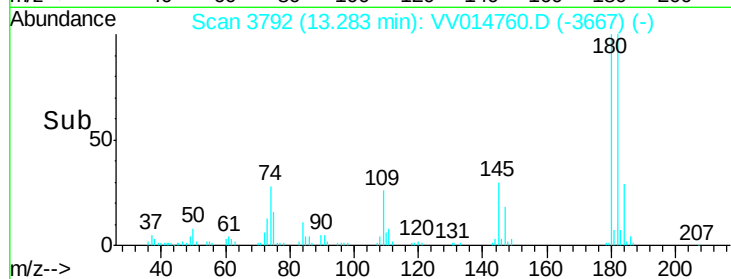
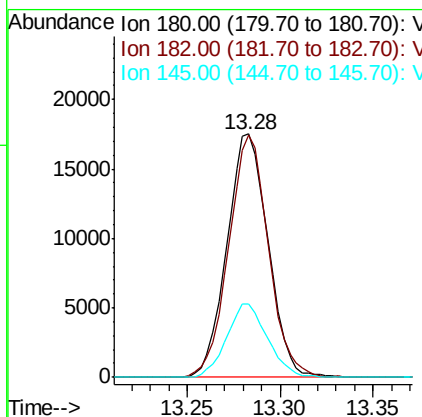
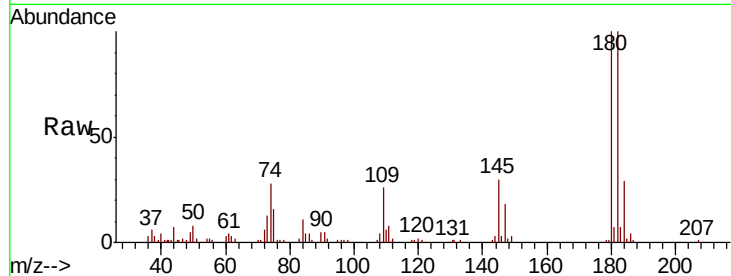




#68
 1,2,4-trichlorobenzene
 Concen: 5.336 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV014760.D
 Acq: 06 Mar 2020 16:38

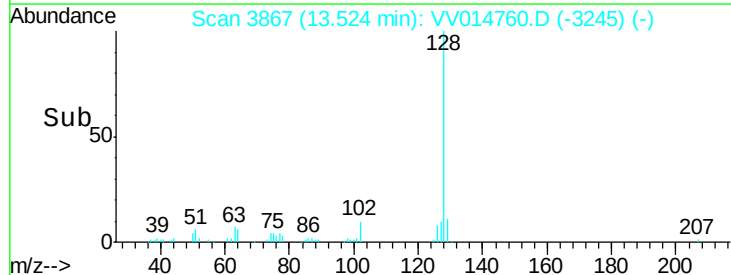
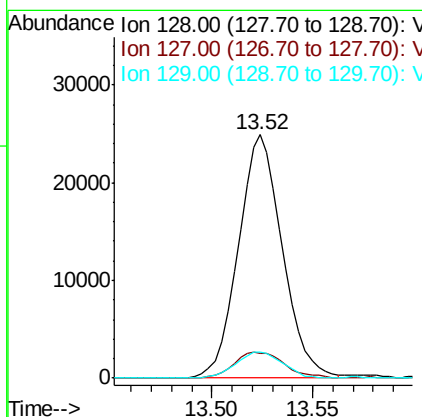
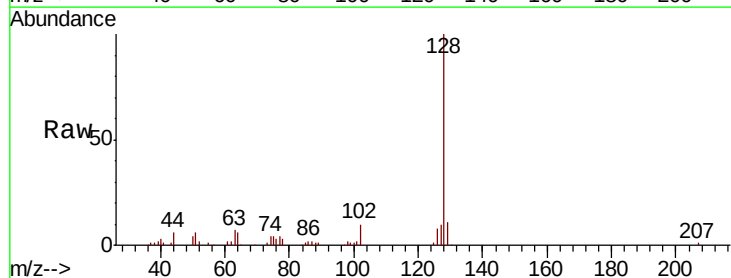
Instrument :
 MSVOA_V
 ClientSampleId :

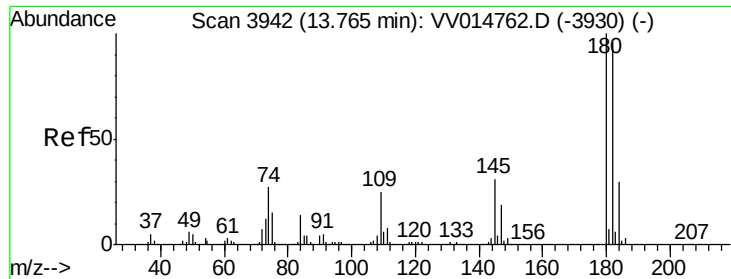
Tot Ion:180 Resp: 26933
 Ion Ratio Lower Upper
 180 100
 182 96.3 76.6 114.8
 145 29.8 23.4 35.0



#69
 Naphthalene
 Concen: 2.535 ug/L
 RT: 13.52 min Scan# 3867
 Delta R.T. 0.00 min
 Lab File: VV014760.D
 Acq: 06 Mar 2020 16:38

Tgt Ion:128 Resp: 37933
 Ion Ratio Lower Upper
 128 100
 127 12.4 10.3 15.5
 129 11.5 8.5 12.7





#70
 1,2,3-Trichlorobenzene
 Concen: 5.139 ug/L
 RT: 13.77 min Scan# 3942
 Delta R.T. 0.00 min
 Lab File: VV014760.D
 Acq: 06 Mar 2020 16:38

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 26635
 Ion Ratio Lower Upper
 180 100
 182 97.8 76.5 114.7
 145 31.4 25.0 37.4

