

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV030620\
 Data File : VV014763.D
 Acq On : 06 Mar 2020 17:48
 Operator : SY/MD
 Sample : VSTD10065
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 06 22:44:49 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	466145	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	462322	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	252585	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	333405	157.45	ug/L	0.00
7) Chloroethane-d5	1.58	69	255573	163.39	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	539431	142.36	ug/L	0.00
21) 2-Butanone-d5	3.94	46	523362	284.20	ug/L	0.00
24) Chloroform-d	4.38	84	630373	105.70	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	420268	108.75	ug/L	0.00
32) Benzene-d6	5.08	84	1287585	105.06	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	423431	115.54	ug/L	0.00
41) Toluene-d8	7.34	98	1257664	106.07	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	215386	106.95	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	398019	264.80	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	587057	116.20	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	515067	103.83	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	454062	127.420	ug/L 99
3) Chloromethane	1.25	50	404554	181.892	ug/L 100
5) Vinyl chloride	1.32	62	378292	174.234	ug/L 99
6) Bromomethane	1.53	94	233216	180.564	ug/L 100
8) Chloroethane	1.60	64	203237	170.134	ug/L 99
9) Trichlorofluoromethane	1.76	101	504293	123.855	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	258330	145.425	ug/L 99
12) 1,1-Dichloroethene	2.13	96	248319	150.189	ug/L 92
13) Acetone	2.22	43	374105	233.979	ug/L 99
14) Carbon disulfide	2.31	76	851357	124.095	ug/L 100
15) Methyl Acetate	2.46	43	373996	136.237	ug/L 99
16) Methylene chloride	2.52	84	338921	110.527	ug/L 97
17) trans-1,2-Dichloroethene	2.78	96	311948	109.649	ug/L 97
18) Methyl tert-butyl Ether	2.79	73	1038917	109.419	ug/L 100
19) 1,1-Dichloroethane	3.21	63	610262	116.560	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	353926	108.264	ug/L 100
22) 2-Butanone	4.02	43	573596	276.024	ug/L 100
23) Bromochloromethane	4.28	128	178931	108.363	ug/L 98
25) Chloroform	4.41	83	624299	104.973	ug/L 97
27) 1,2-Dichloroethane	5.16	62	489742	112.163	ug/L 99
29) Cyclohexane	4.70	56	576666	124.895	ug/L 98
30) 1,1,1-Trichloroethane	4.64	97	535687	99.446	ug/L 99
31) Carbon tetrachloride	4.86	117	462690	97.534	ug/L 99
33) Benzene	5.13	78	1348442	109.768	ug/L 100
34) Trichloroethene	5.94	95	349269	99.376	ug/L 99
35) Methylcyclohexane	6.16	83	591015	115.647	ug/L 100
37) 1,2-Dichloropropane	6.20	63	363080	118.433	ug/L 99
38) Bromodichloromethane	6.53	83	469804	103.668	ug/L 100
39) cis-1,3-Dichloropropene	7.05	75	598180	113.028	ug/L 99
40) 4-Methyl-2-pentanone	7.25	43	1091012	276.827	ug/L 99

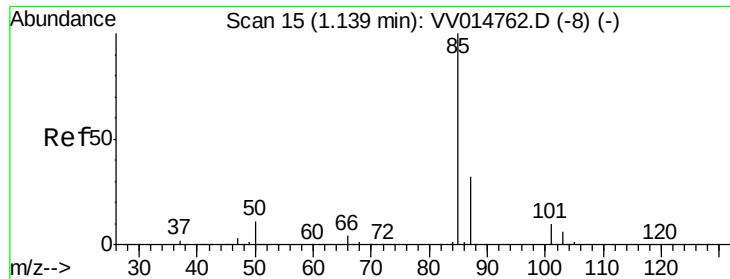
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV030620\
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 Quant Title : VOC Analysis
 QLast Update : Fri Mar 06 22:37:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	1500739	112.739	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	536084	111.163	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	335741	106.382	ug/L	98
46) Tetrachloroethene	8.00	164	287563	111.326	ug/L	99
48) 2-Hexanone	8.16	43	855600	275.507	ug/L	98
49) Dibromochloromethane	8.27	129	374447	101.226	ug/L	100
50) 1,2-Dibromoethane	8.38	107	366141	105.015	ug/L	99
51) Chlorobenzene	8.90	112	963220	107.218	ug/L	99
52) Ethylbenzene	9.03	91	1721731	113.023	ug/L	100
53) m,p-Xylene	9.16	106	648274	111.064	ug/L	100
54) o-xylene	9.57	106	635596	111.262	ug/L	99
55) Styrene	9.58	104	1110631	116.049	ug/L	99
56) Isopropylbenzene	9.95	105	1703159	112.898	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	581344	116.714	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	466215	114.046	ug/L	100
61) Bromoform	9.75	173	279710	102.523	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	814779	105.838	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	825308	104.443	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	807106	105.455	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	142680	109.921	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	637496	111.632	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	592559	110.870	ug/L	100
69) Naphthalene	13.52	128	931524	58.781	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	599737	109.279	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 127.420 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV014763.D

Acq: 06 Mar 2020 17:48

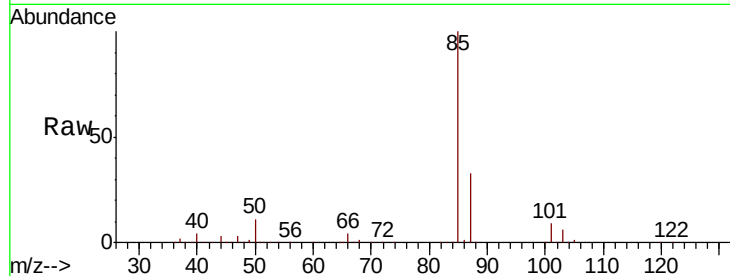
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 454062

Ion Ratio Lower Upper

85 100

87 32.7 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

400000

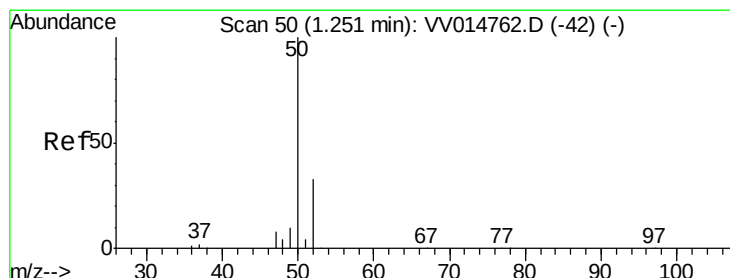
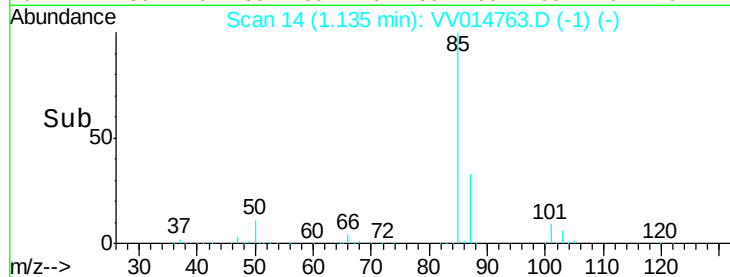
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 181.892 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV014763.D

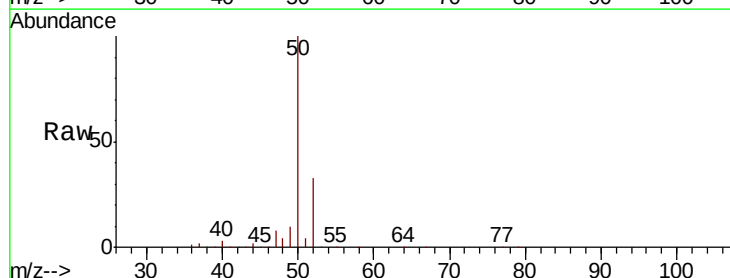
Acq: 06 Mar 2020 17:48

Tgt Ion: 50 Resp: 404554

Ion Ratio Lower Upper

50 100

52 32.7 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

400000

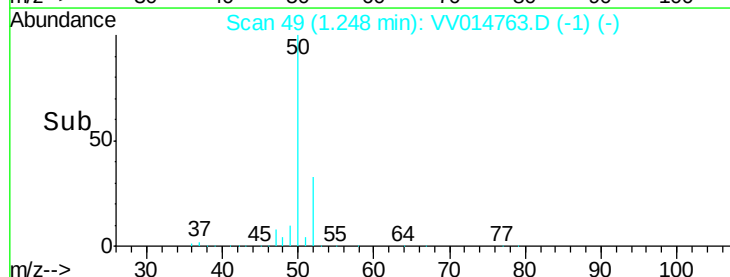
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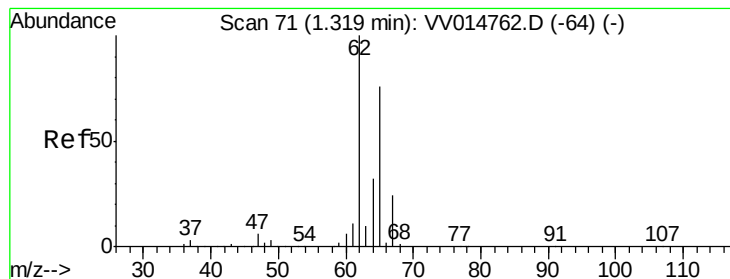
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 174.234 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV014763.D

Acq: 06 Mar 2020 17:48

Instrument :

MSVOA_V

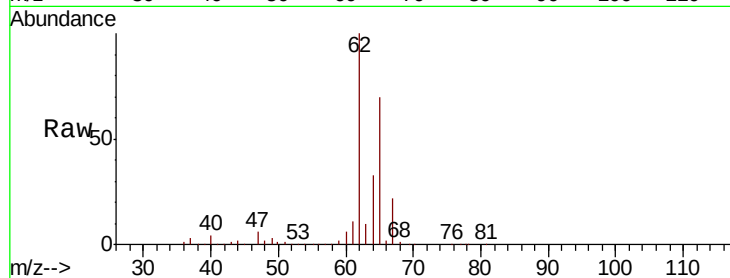
ClientSampleId :

Tot Ion: 62 Resp: 378292

Ion Ratio Lower Upper

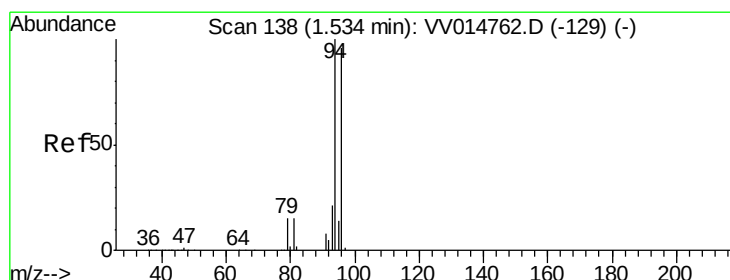
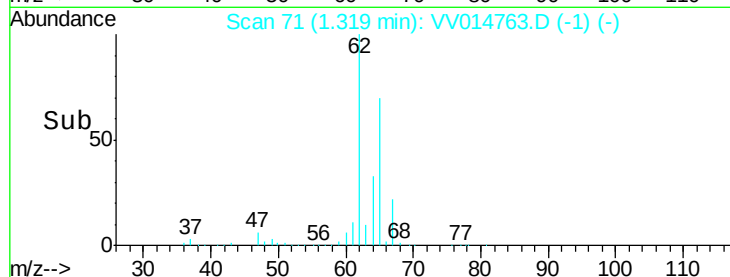
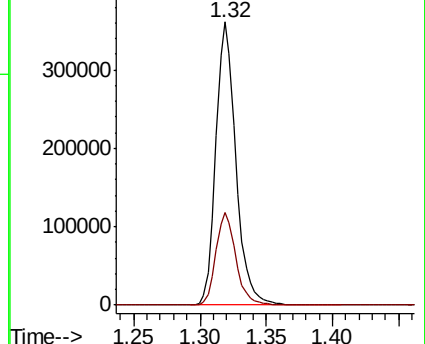
62 100

64 32.7 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 180.564 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV014763.D

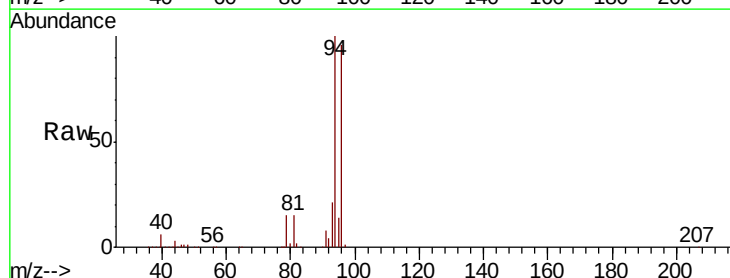
Acq: 06 Mar 2020 17:48

Tgt Ion: 94 Resp: 233216

Ion Ratio Lower Upper

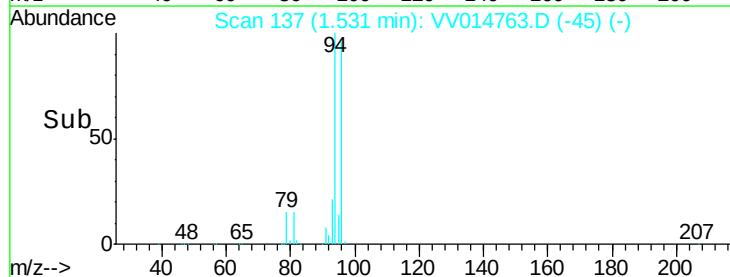
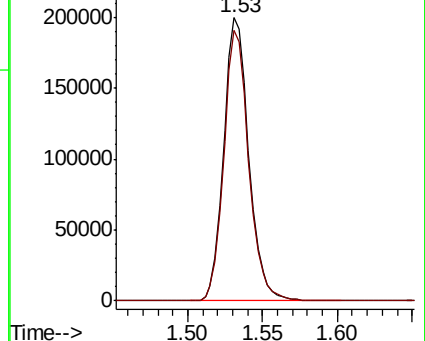
94 100

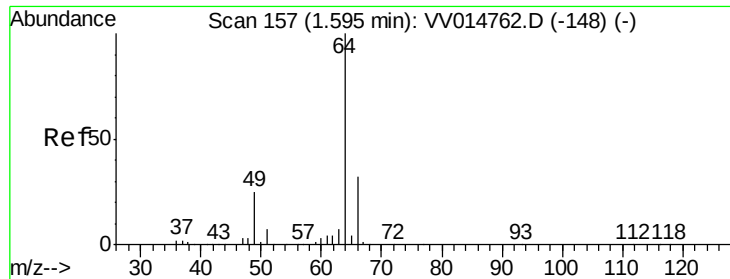
96 95.6 67.2 124.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 170.134 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV014763.D

Acq: 06 Mar 2020 17:48

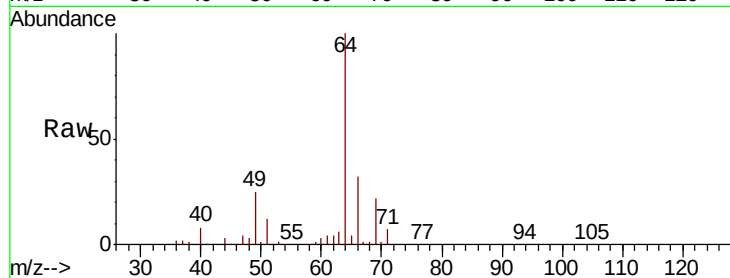
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 203237

Ion Ratio Lower Upper

64 100

66 31.9 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VV014763.D (-157) (-)

Ion 66.00 (65.70 to 66.70): VV014763.D (-157) (-)

1.60

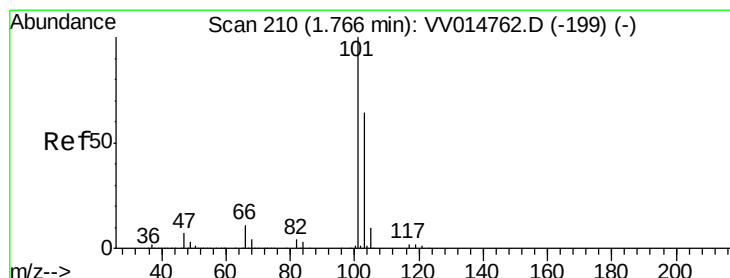
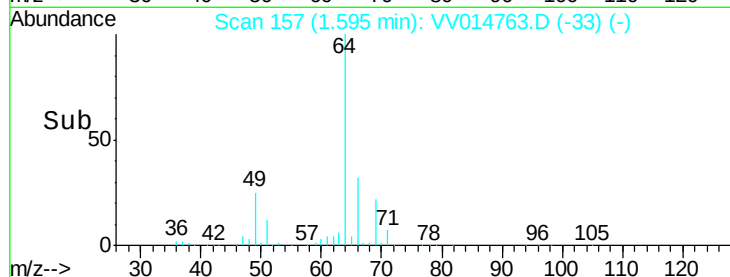
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 123.855 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV014763.D

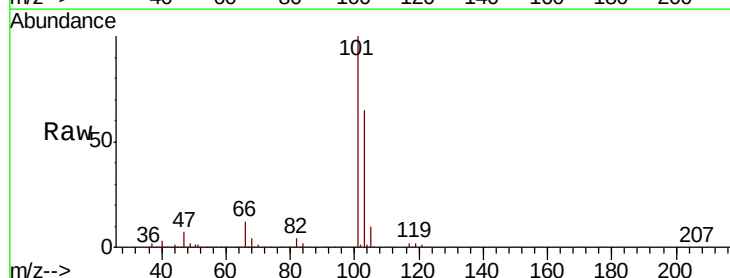
Acq: 06 Mar 2020 17:48

Tgt Ion:101 Resp: 504293

Ion Ratio Lower Upper

101 100

103 64.5 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VV014763.D (-209) (-)

Ion 103.00 (102.70 to 103.70): VV014763.D (-209) (-)

1.76

400000

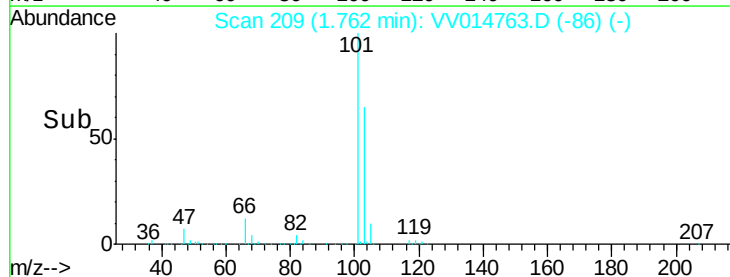
300000

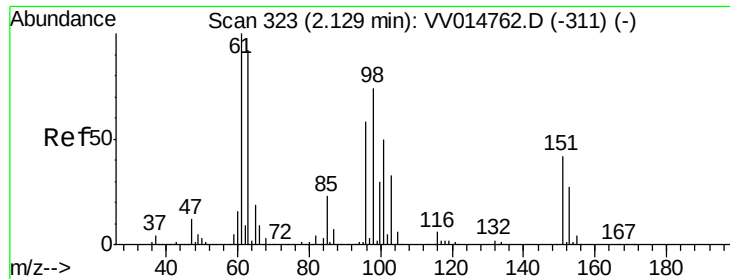
200000

100000

0

Time-->





#10

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

Concen: 145.425 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV014763.D

Acq: 06 Mar 2020 17:48

Instrument :

MSVOA_V

ClientSampleId :

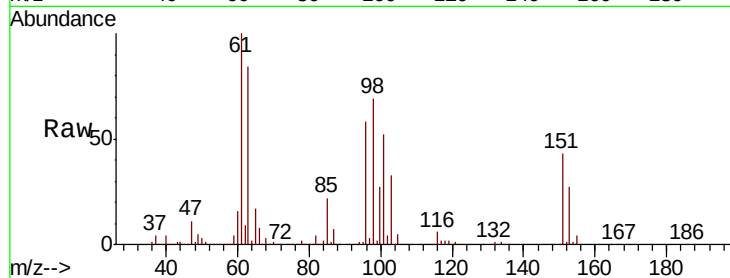
Tot Ion:101 Resp: 258330

Ion Ratio Lower Upper

101 100

85 42.7 35.0 52.6

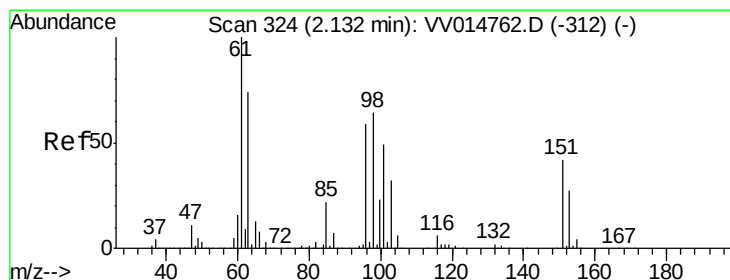
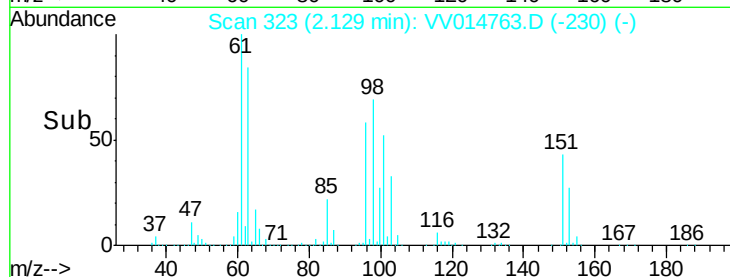
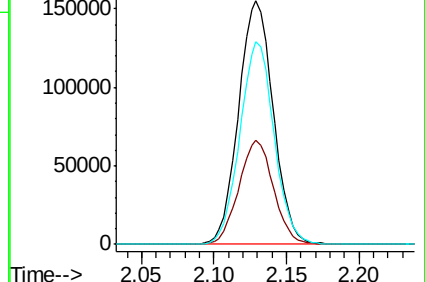
151 82.1 66.4 99.6



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: 150.189 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV014763.D

Acq: 06 Mar 2020 17:48

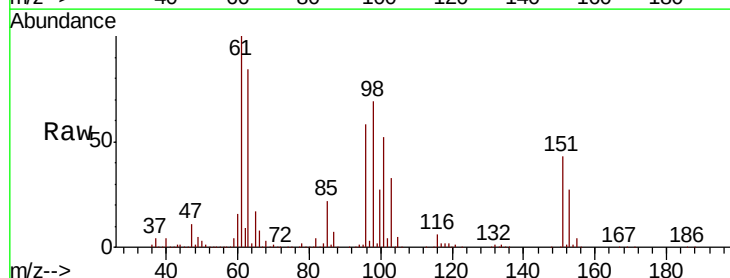
Tgt Ion: 96 Resp: 248319

Ion Ratio Lower Upper

96 100

61 172.2 118.4 220.0

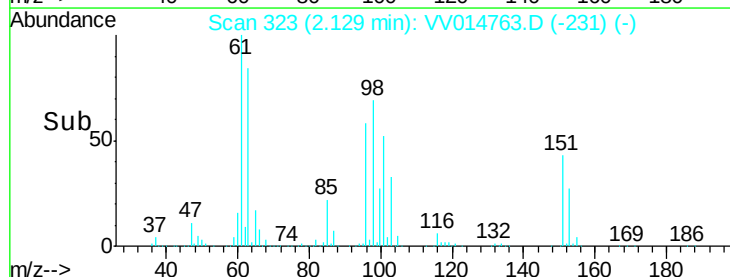
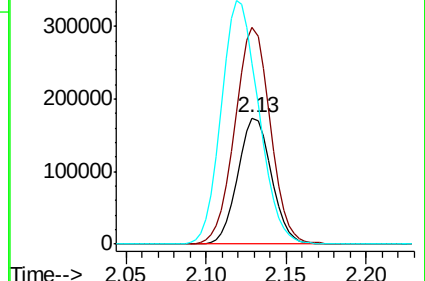
63 143.8 88.4 164.2

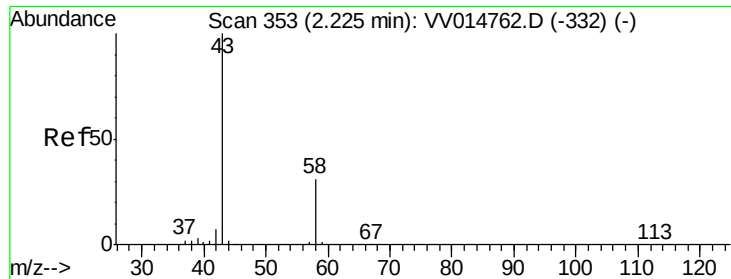


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

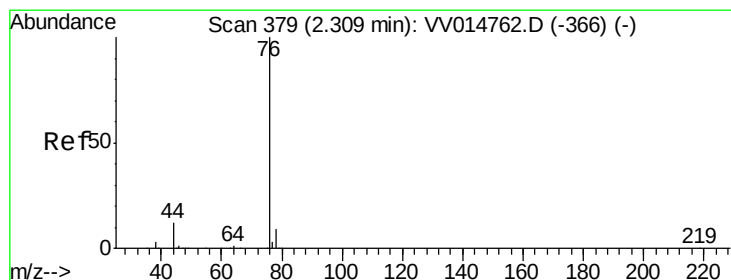
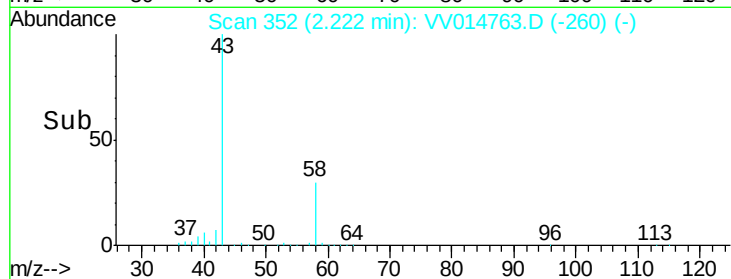
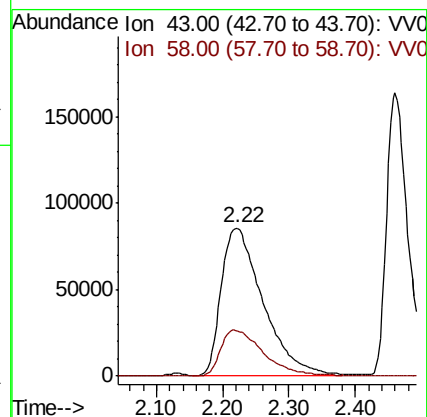
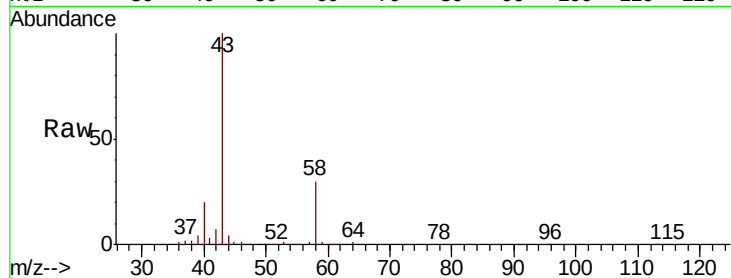




#13
Acetone
Concen: 233.979 ug/L
RT: 2.22 min Scan# 352
Delta R.T. -0.00 min
Lab File: VV014763.D
Acq: 06 Mar 2020 17:48

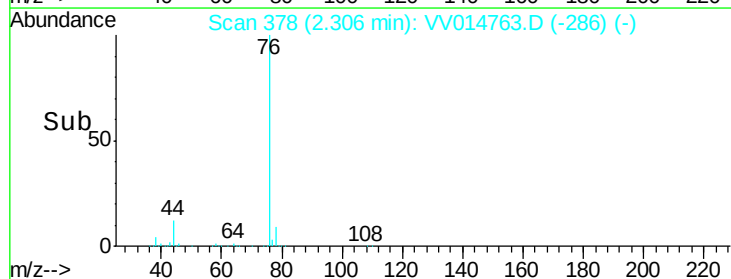
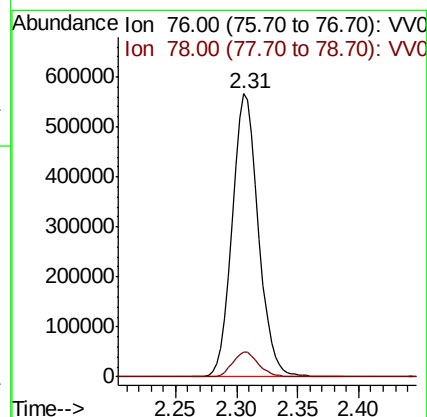
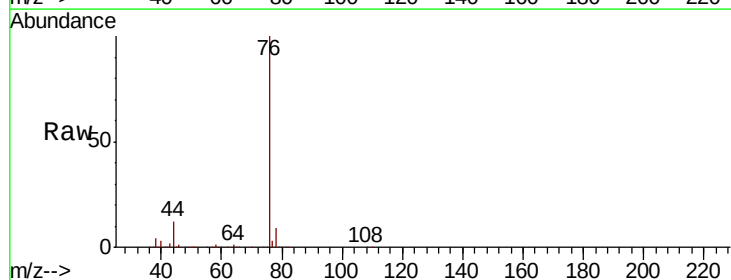
Instrument :
MSVOA_V
ClientSampleId :

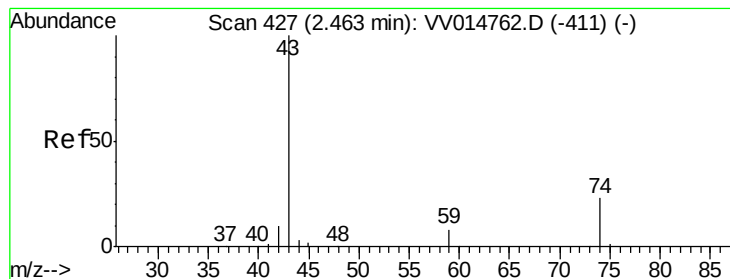
Tot Ion: 43 Resp: 374105
Ion Ratio Lower Upper
43 100
58 31.7 0.0 62.2



#14
Carbon disulfide
Concen: 124.095 ug/L
RT: 2.31 min Scan# 378
Delta R.T. -0.00 min
Lab File: VV014763.D
Acq: 06 Mar 2020 17:48

Tgt Ion: 76 Resp: 851357
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7





#15

Methvl Acetate

Concen: 136.237 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VV014763.D

Acq: 06 Mar 2020 17:48

Instrument :

MSVOA_V

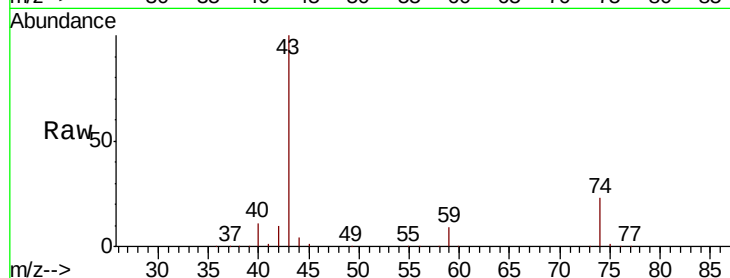
ClientSampled :

Tot Ion: 43 Resp: 373996

Ion Ratio Lower Upper

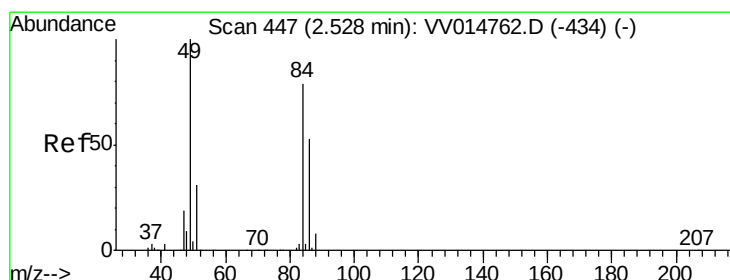
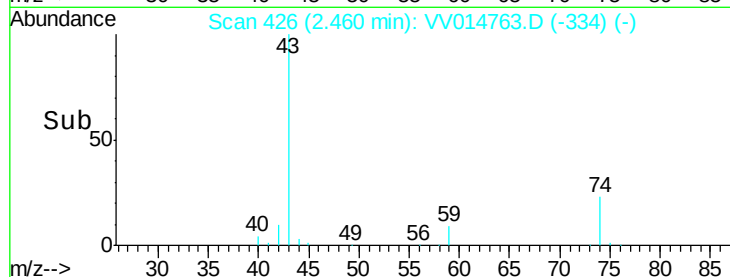
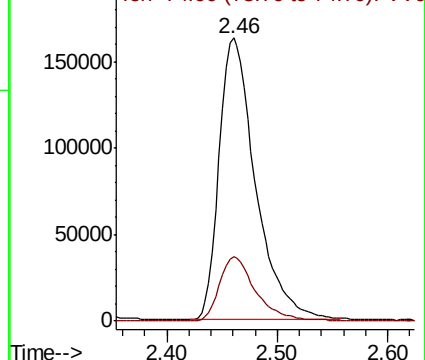
43 100

74 22.8 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 110.527 ug/L

RT: 2.52 min Scan# 446

Delta R.T. -0.00 min

Lab File: VV014763.D

Acq: 06 Mar 2020 17:48

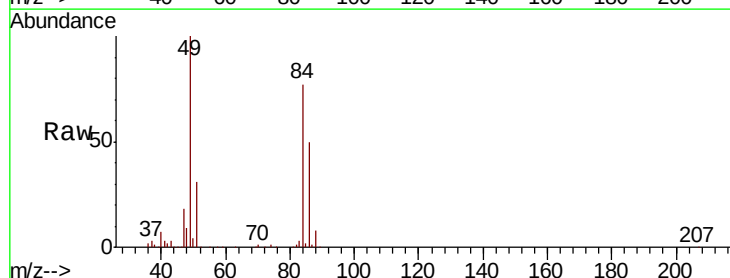
Tgt Ion: 84 Resp: 338921

Ion Ratio Lower Upper

84 100

86 64.9 47.3 87.9

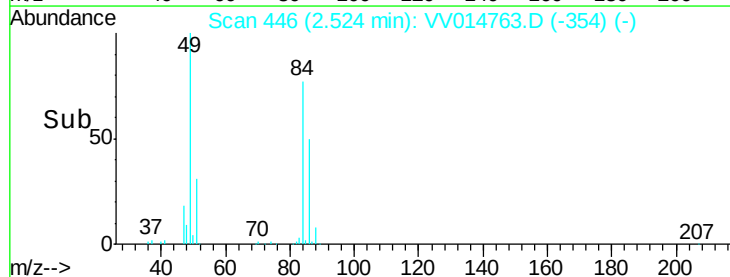
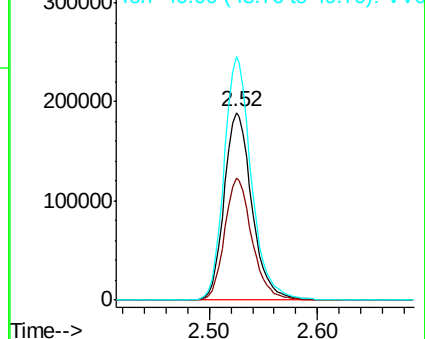
49 129.8 88.7 164.7

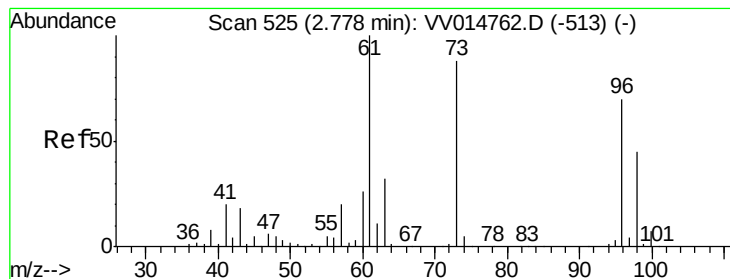


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 109.649 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV014763.D

Acq: 06 Mar 2020 17:48

Instrument :

MSVOA_V

ClientSampleId :

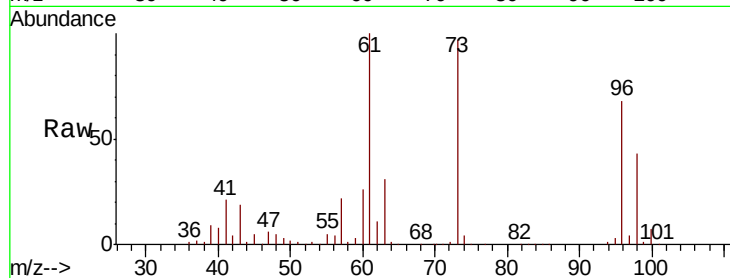
Tot Ion: 96 Resp: 311948

Ion Ratio Lower Upper

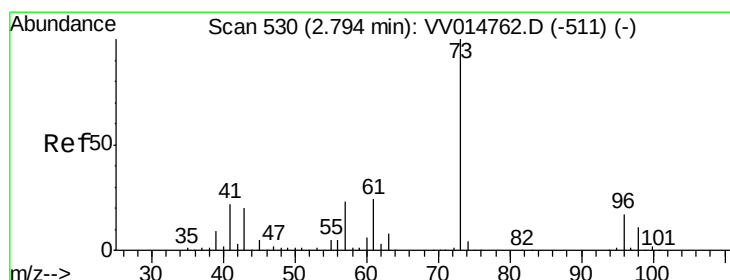
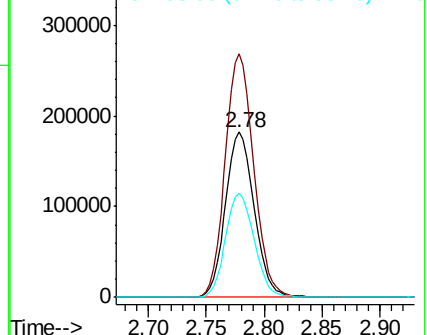
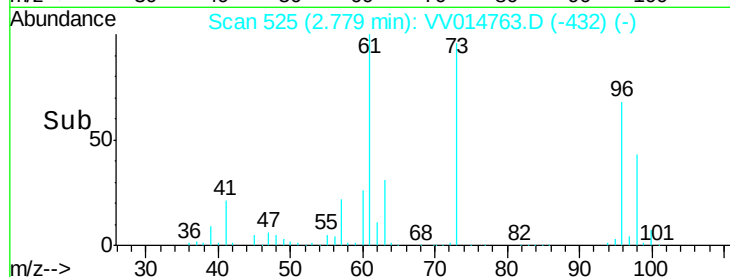
96 100

61 147.6 100.5 186.7

98 63.0 45.1 83.7



Abundance Ion 96.00 (95.70 to 96.70): VV014763.D (-432) (-)



#18

Methyl tert-butyl Ether

Concen: 109.419 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV014763.D

Acq: 06 Mar 2020 17:48

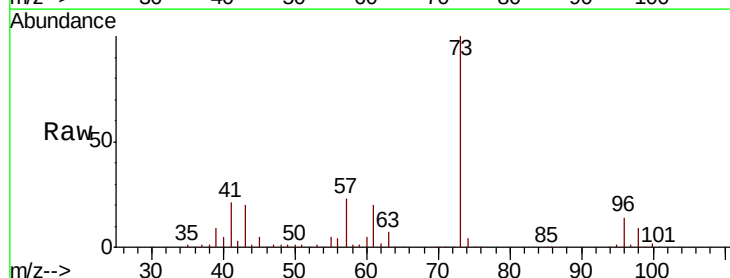
Tgt Ion: 73 Resp: 1038917

Ion Ratio Lower Upper

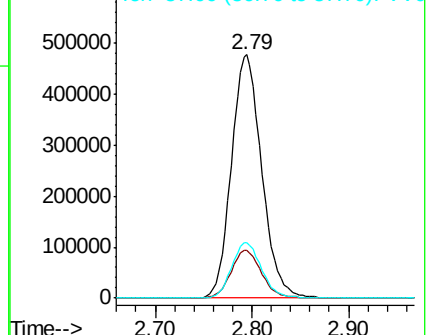
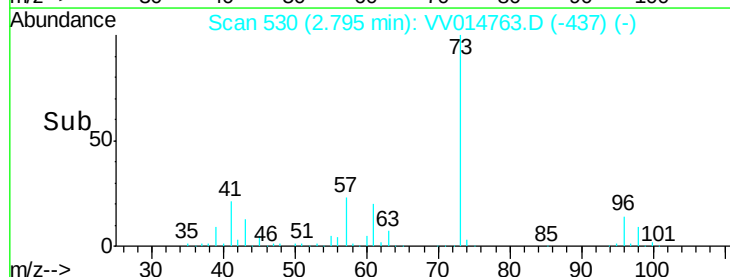
73 100

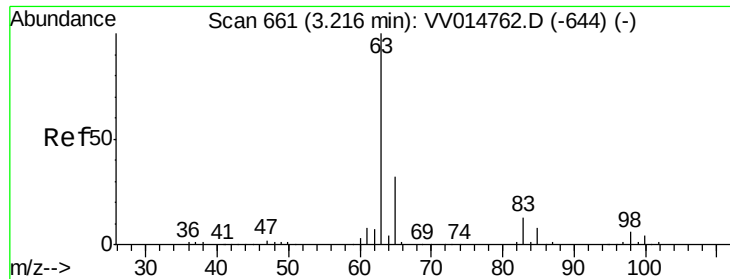
43 19.7 15.9 23.9

57 22.5 18.0 27.0



Abundance Ion 73.00 (72.70 to 73.70): VV014763.D (-437) (-)

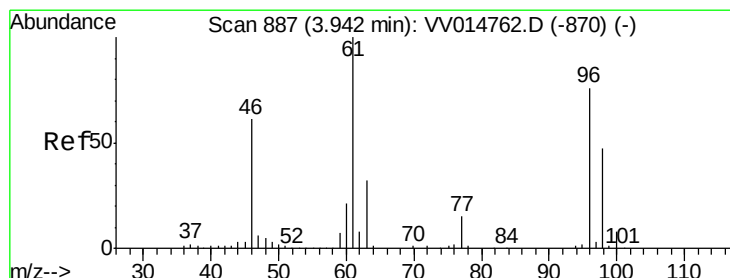
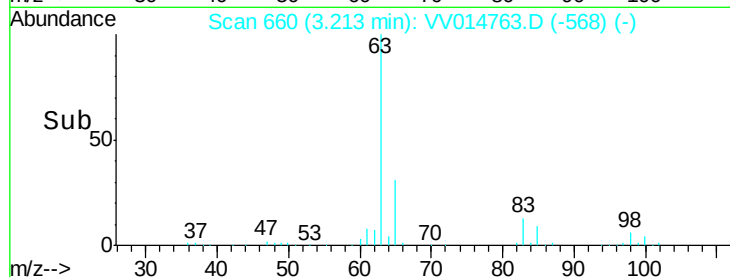
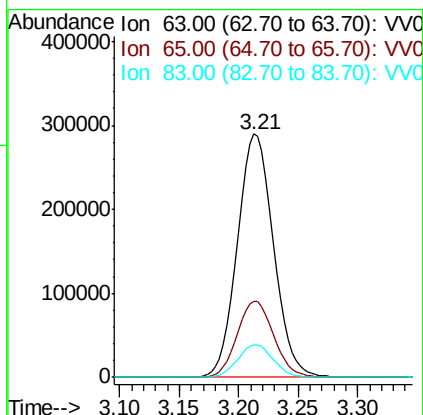
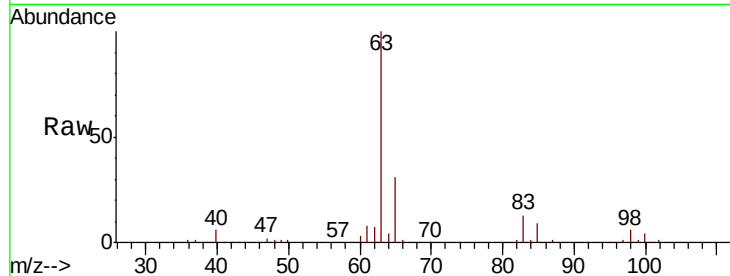




#19
 1,1-Dichloroethane
 Concen: 116.560 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. -0.00 min
 Lab File: VV014763.D
 Acq: 06 Mar 2020 17:48

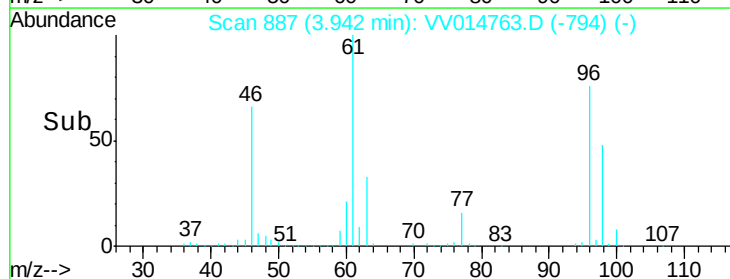
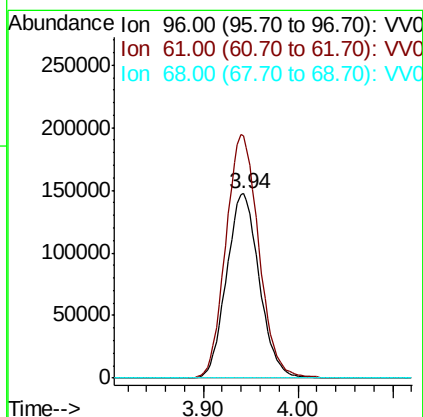
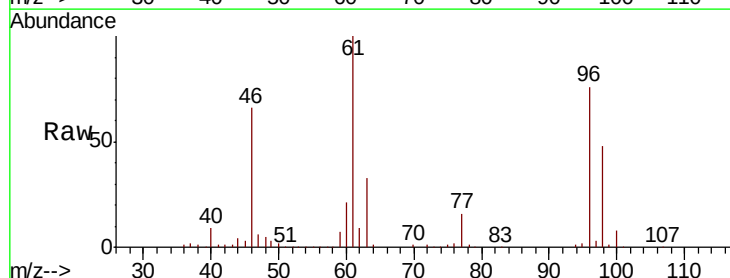
Instrument :
 MSVOA_V
 ClientSampleId :

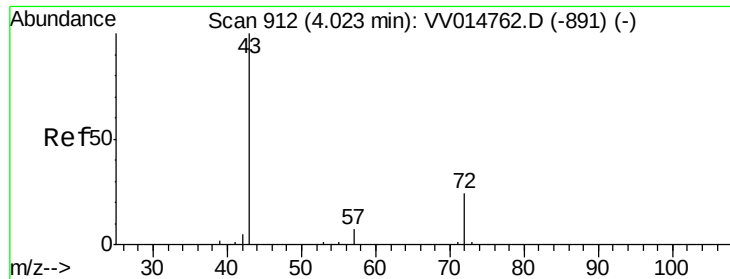
Tot Ion: 63 Resp: 610262
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.5 41.7
 83 13.4 9.1 16.9



#20
 cis-1,2-Dichloroethene
 Concen: 108.264 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.00 min
 Lab File: VV014763.D
 Acq: 06 Mar 2020 17:48

Tgt Ion: 96 Resp: 353926
 Ion Ratio Lower Upper
 96 100
 61 131.5 92.2 171.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 276.024 ug/L

RT: 4.02 min Scan# 911

Delta R.T. -0.00 min

Lab File: VV014763.D

Acq: 06 Mar 2020 17:48

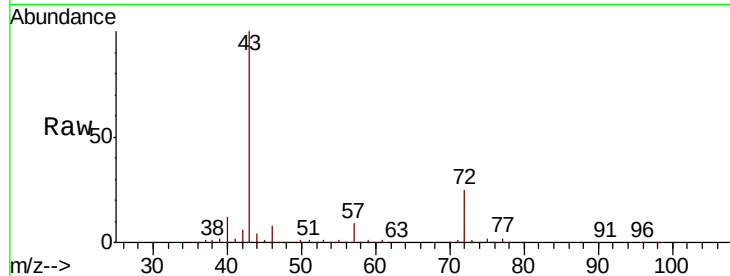
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 573596

Ion Ratio Lower Upper

43 100

72 24.1 12.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VV014763.D (-819) (-)

Ion 72.00 (71.70 to 72.70): VV014763.D (-819) (-)

150000

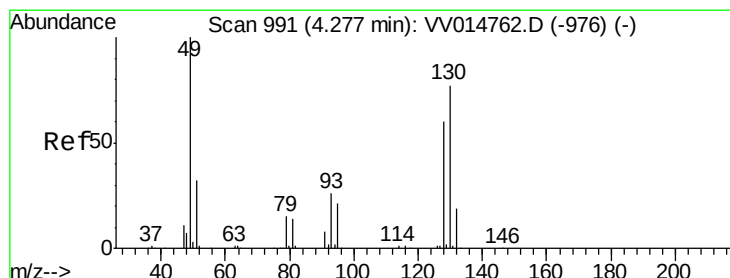
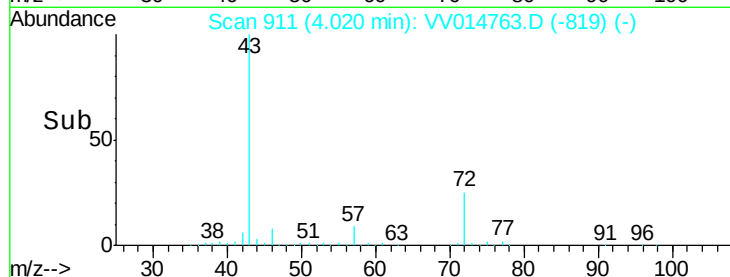
100000

50000

0

3.90 4.00 4.10 4.20

Time-->



#23

Bromochloromethane

Concen: 108.363 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV014763.D

Acq: 06 Mar 2020 17:48

Tgt Ion:128 Resp: 178931

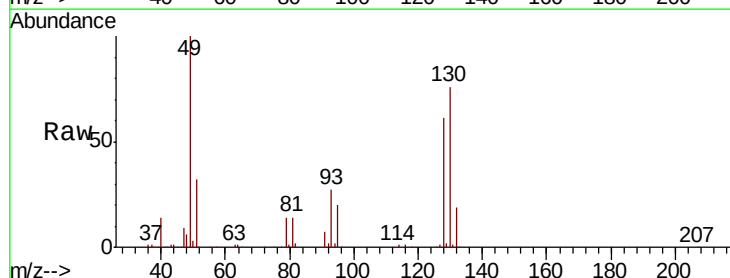
Ion Ratio Lower Upper

128 100

49 163.9 116.3 215.9

130 124.7 88.9 165.1

51 52.7 43.0 64.6



Abundance Ion 128.00 (127.70 to 128.70): VV014763.D (-898) (-)

Ion 49.00 (48.70 to 49.70): VV014763.D (-898) (-)

Ion 130.00 (129.70 to 130.70): VV014763.D (-898) (-)

Ion 51.00 (50.70 to 51.70): VV014763.D (-898) (-)

150000

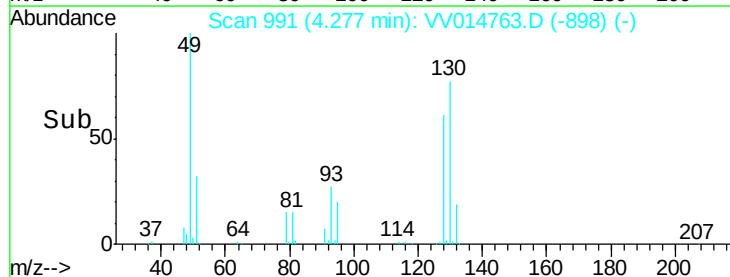
100000

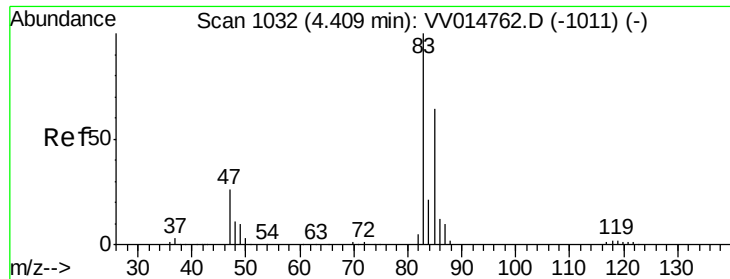
50000

0

4.20 4.30 4.40

Time-->

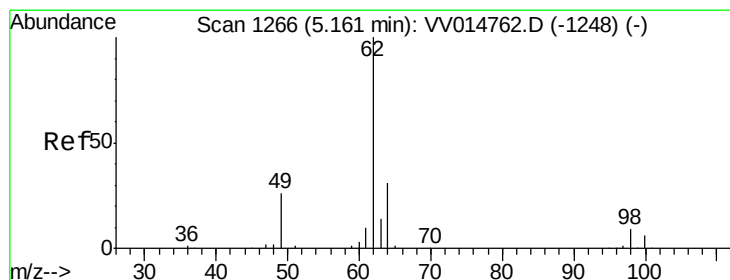
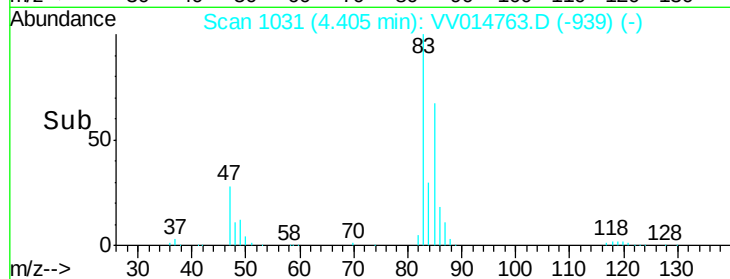
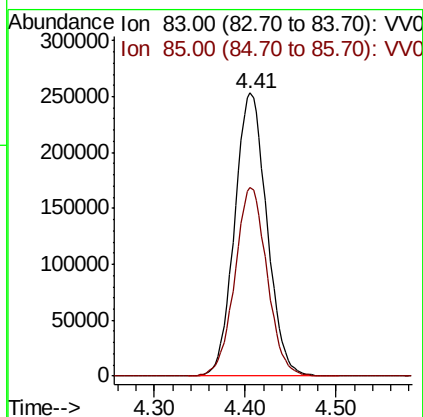
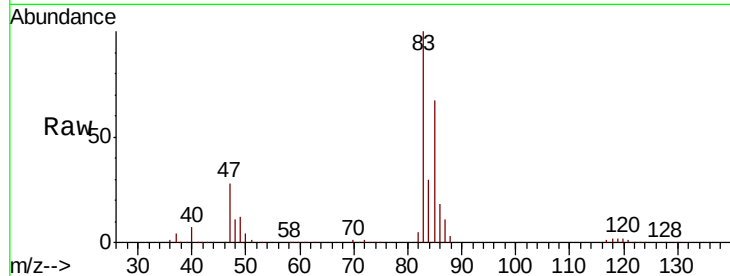




#25
Chloroform
Concen: 104.973 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VV014763.D
Acq: 06 Mar 2020 17:48

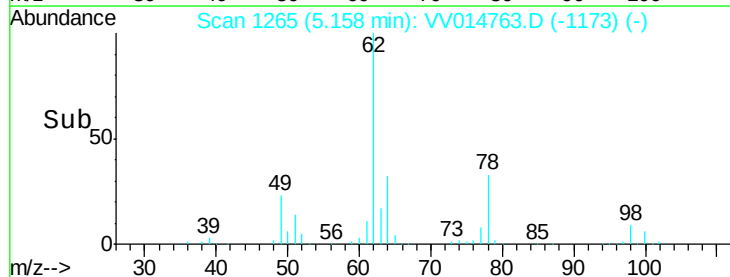
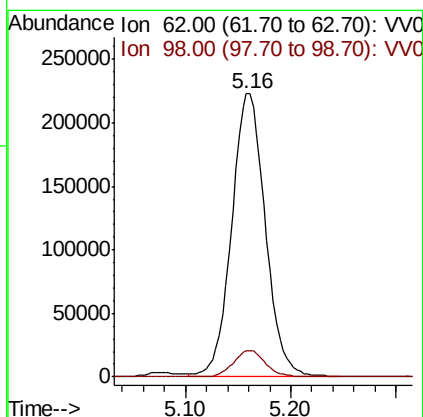
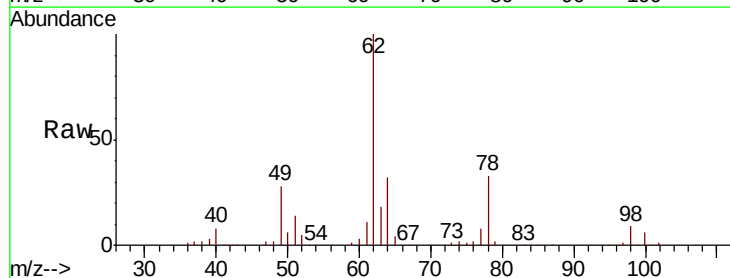
Instrument :
MSVOA_V
ClientSampleId :

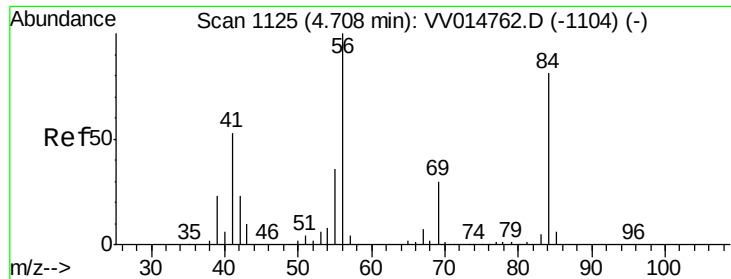
Tot Ion: 83 Resp: 624299
Ion Ratio Lower Upper
83 100
85 66.6 45.1 83.9



#27
1,2-Dichloroethane
Concen: 112.163 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VV014763.D
Acq: 06 Mar 2020 17:48

Tgt Ion: 62 Resp: 489742
Ion Ratio Lower Upper
62 100
98 9.2 7.2 10.8

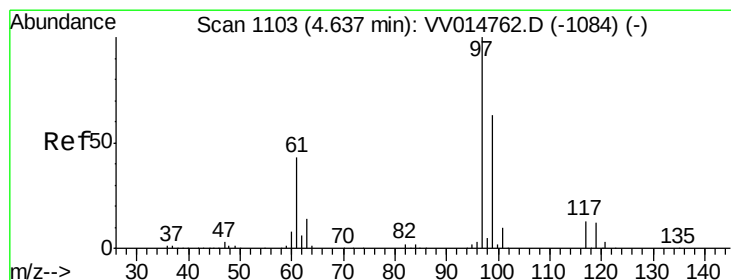
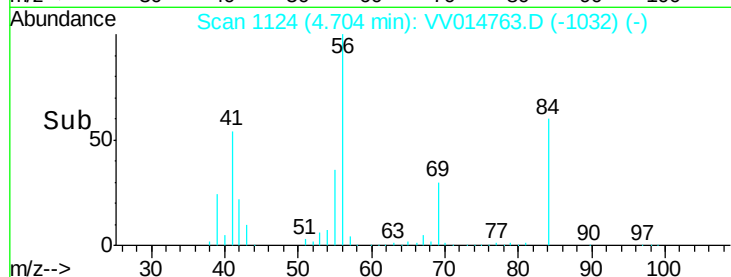
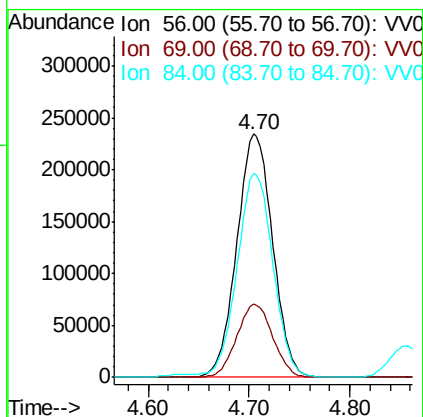
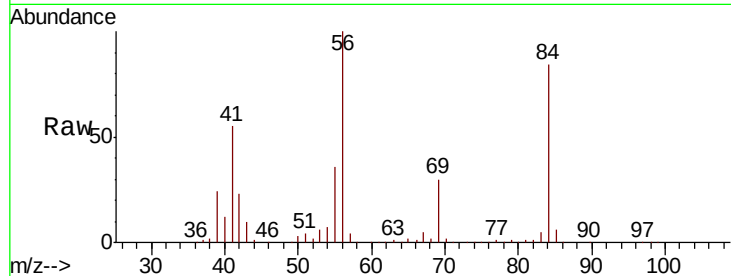




#29
Cyclohexane
Concen: 124.895 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. -0.00 min
Lab File: VV014763.D
Acq: 06 Mar 2020 17:48

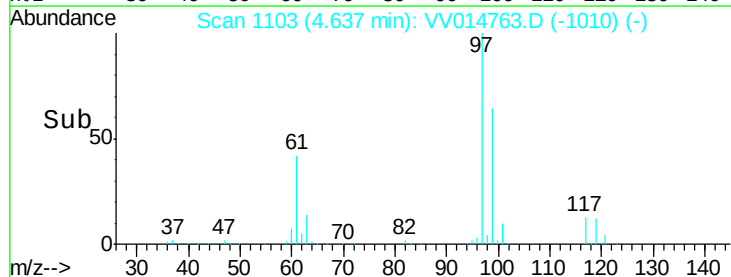
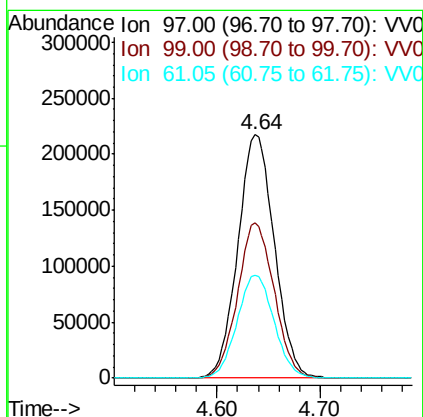
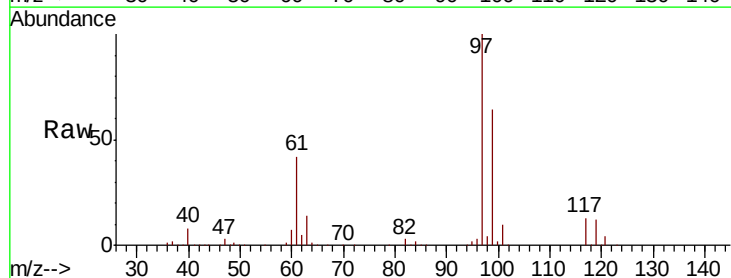
Instrument :
MSVOA_V
ClientSampleId :

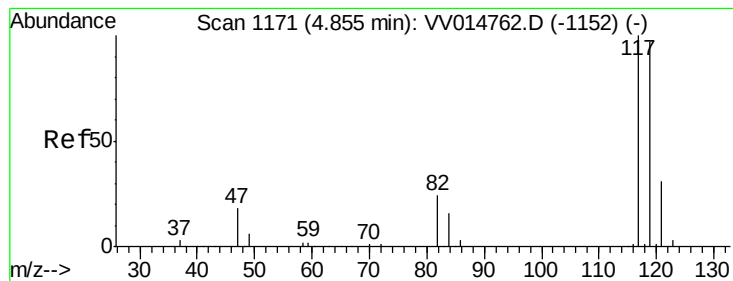
Tot Ion: 56 Resp: 576666
Ion Ratio Lower Upper
56 100
69 30.3 23.5 35.3
84 83.7 65.3 97.9



#30
1,1,1-Trichloroethane
Concen: 99.446 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV014763.D
Acq: 06 Mar 2020 17:48

Tgt Ion: 97 Resp: 535687
Ion Ratio Lower Upper
97 100
99 64.0 51.6 77.4
61 42.9 34.6 52.0





#31

Carbon tetrachloride

Concen: 97.534 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV014763.D

Acq: 06 Mar 2020 17:48

Instrument :

MSVOA_V

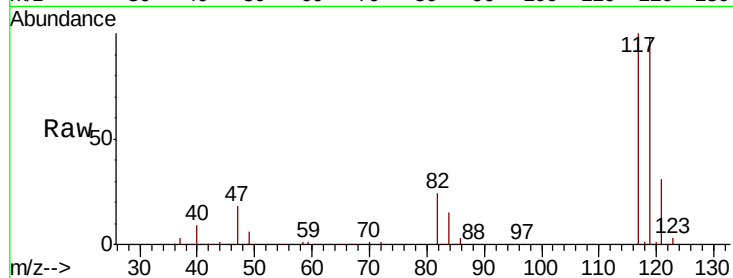
ClientSampleId :

Tot Ion:117 Resp: 462690

Ion Ratio Lower Upper

117 100

119 96.2 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.86

200000

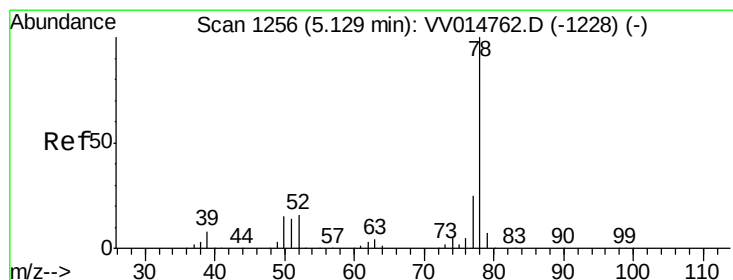
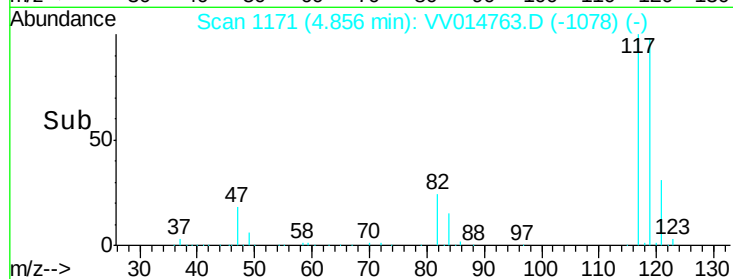
150000

100000

50000

0

Time-->



#33

Benzene

Concen: 109.768 ug/L

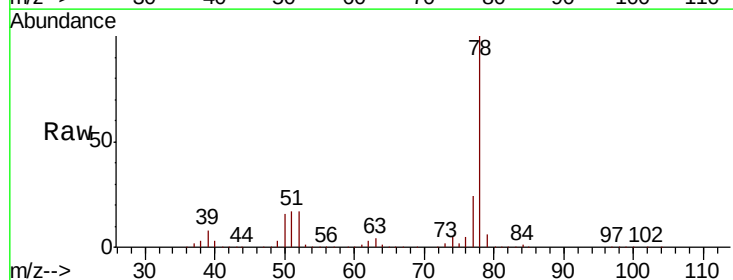
RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VV014763.D

Acq: 06 Mar 2020 17:48

Tgt Ion: 78 Resp: 1348442



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.13

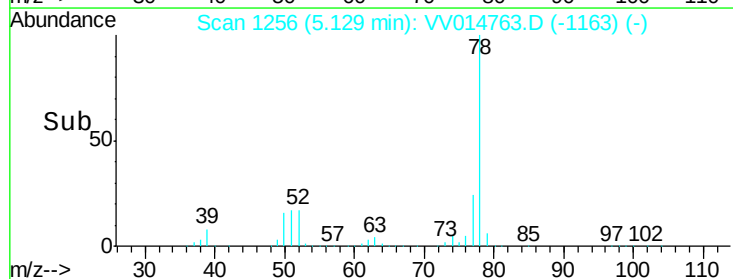
600000

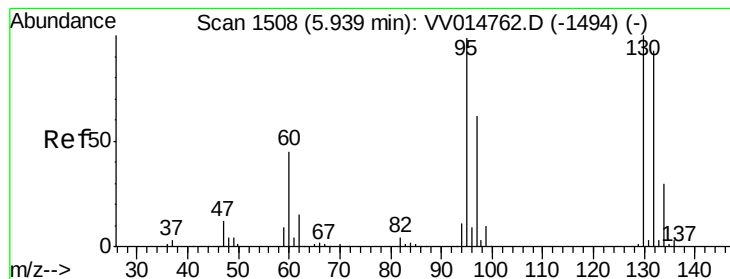
400000

200000

0

Time-->





#34

Trichloroethene

Concen: 99.376 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV014763.D

Acq: 06 Mar 2020 17:48

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 95 Resp: 349269

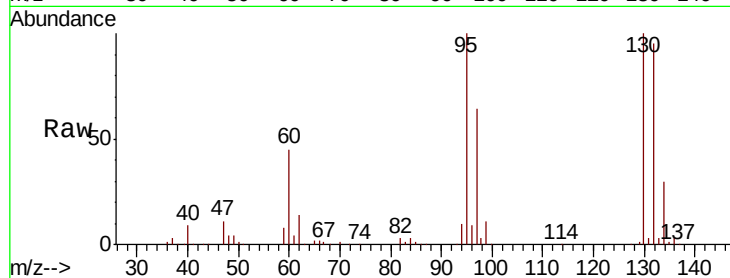
Ion Ratio Lower Upper

95 100

97 64.1 43.8 81.4

132 94.8 65.8 122.2

130 99.6 70.6 131.2

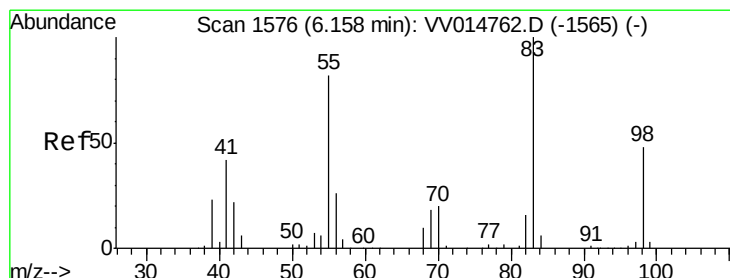
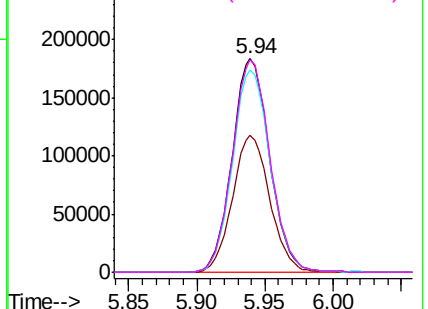
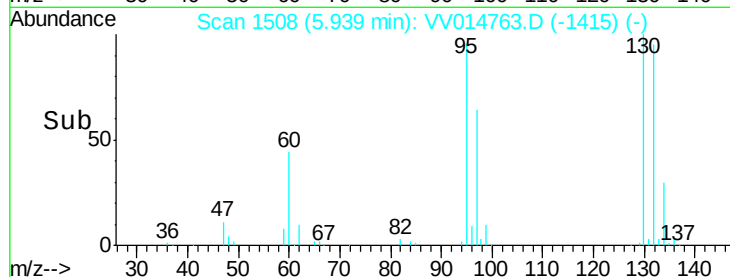


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 115.647 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VV014763.D

Acq: 06 Mar 2020 17:48

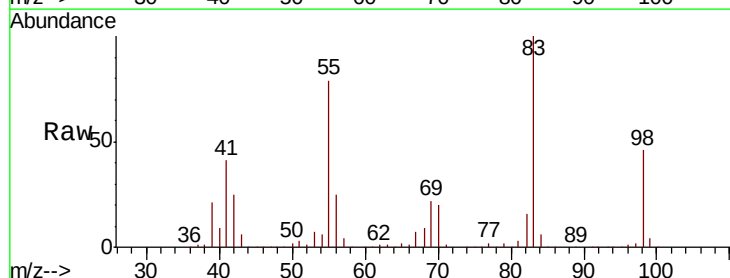
Tgt Ion: 83 Resp: 591015

Ion Ratio Lower Upper

83 100

55 79.5 63.4 95.2

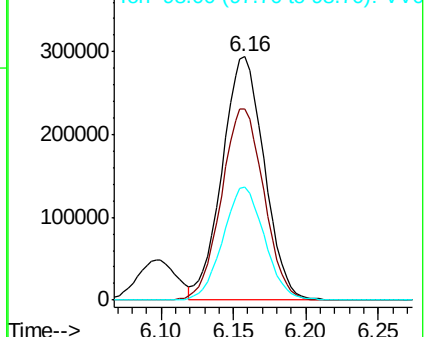
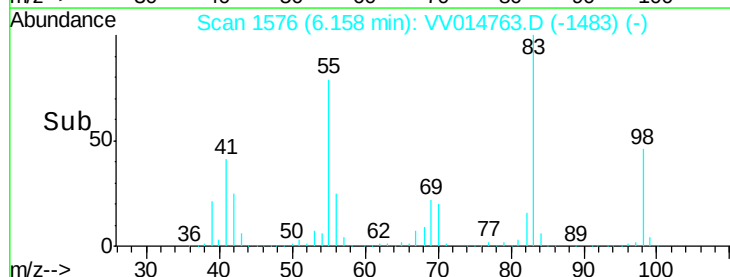
98 46.0 36.8 55.2

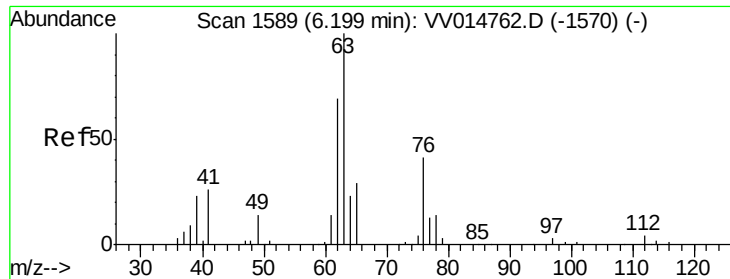


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

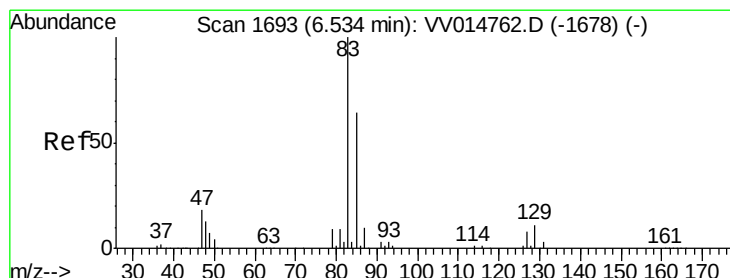
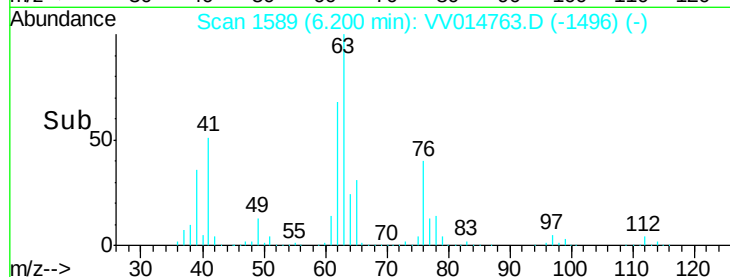
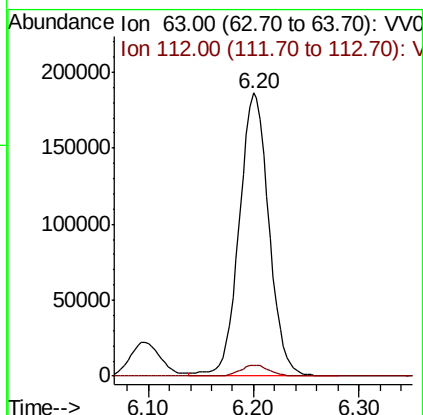
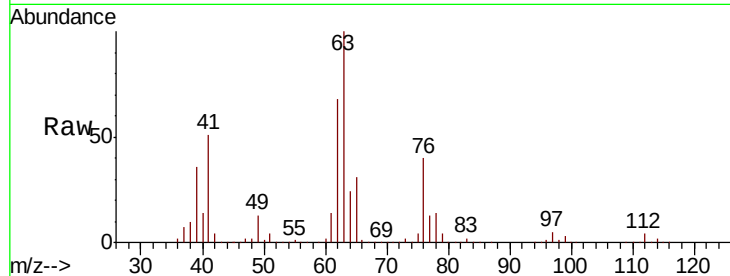




#37
 1,2-Dichloropropane
 Concen: 118.433 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV014763.D
 Acq: 06 Mar 2020 17:48

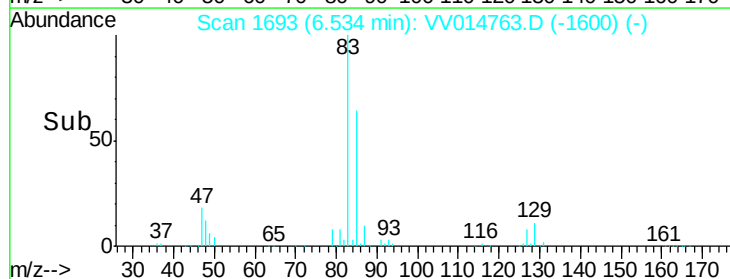
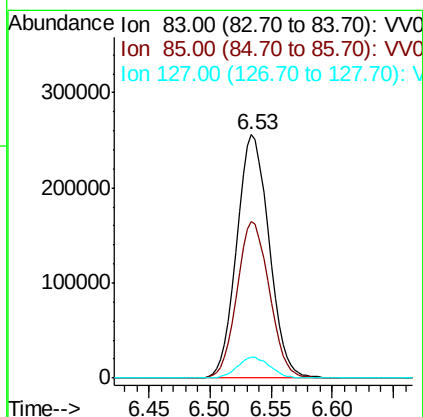
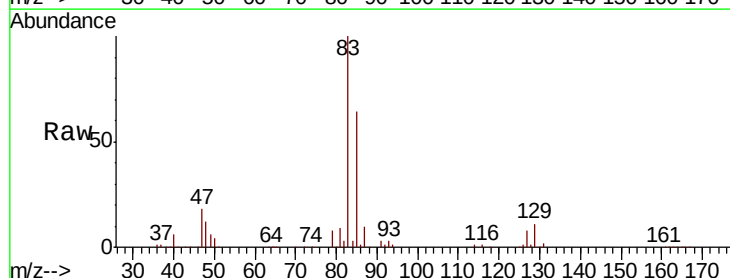
Instrument :
 MSVOA_V
 ClientSampled :

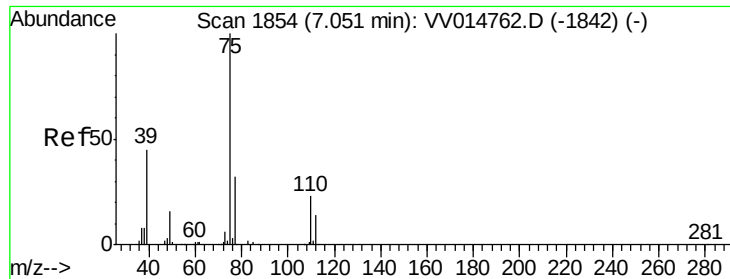
Tot Ion: 63 Resp: 363080
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.2 4.8



#38
 Bromodichloromethane
 Concen: 103.668 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV014763.D
 Acq: 06 Mar 2020 17:48

Tgt Ion: 83 Resp: 469804
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.1 83.7
 127 8.5 6.7 10.1

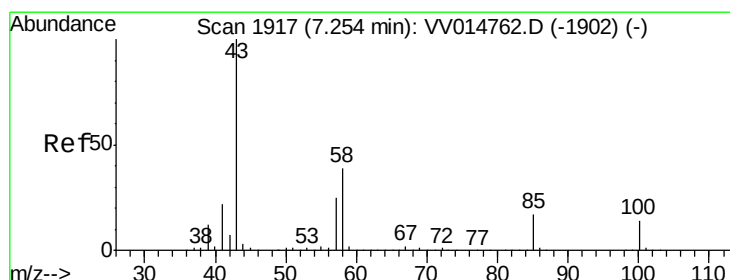
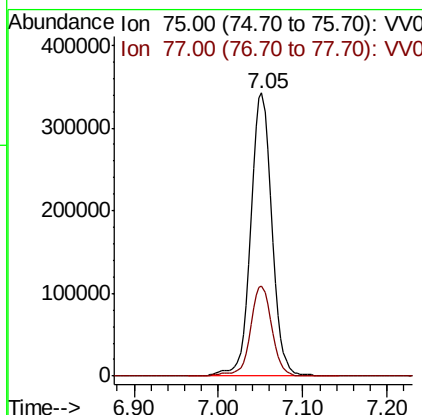
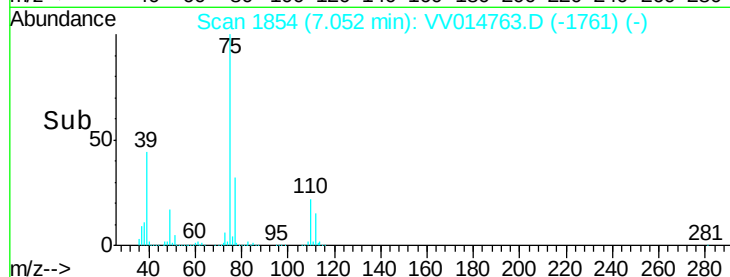
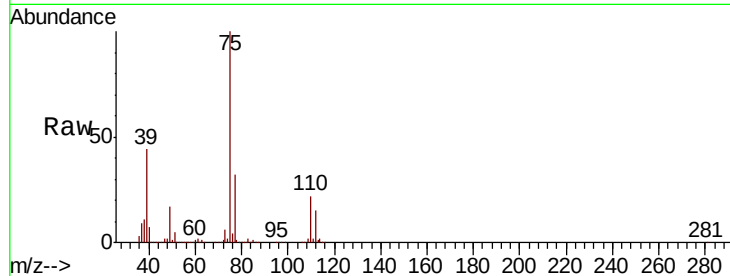




#39
 cis-1,3-Dichloropropene
 Concen: 113.028 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV014763.D
 Acq: 06 Mar 2020 17:48

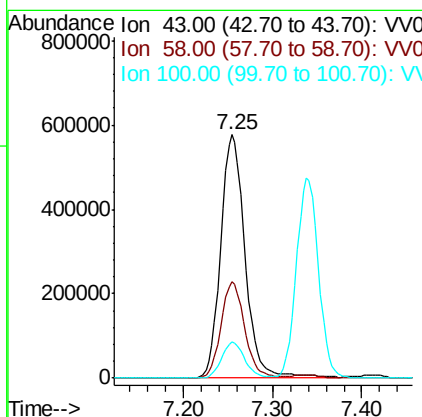
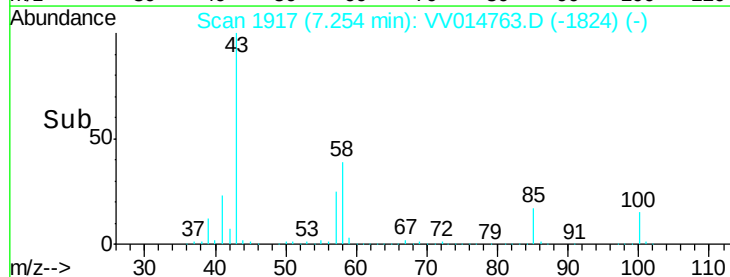
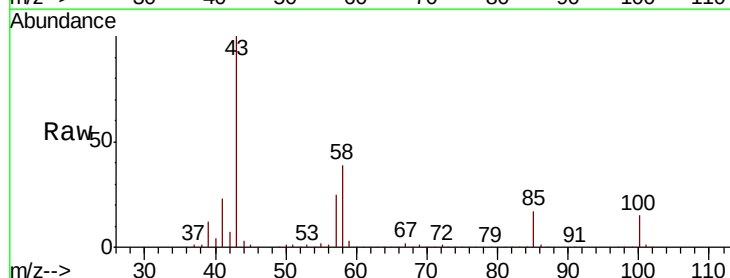
Instrument :
 MSVOA_V
 ClientSampleId :

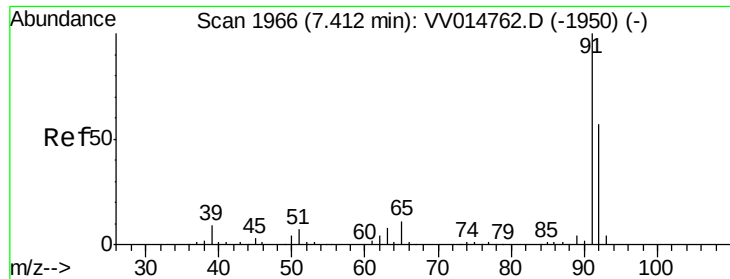
Tot Ion: 75 Resp: 598180
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.8 42.4



#40
 4-Methyl-2-pentanone
 Concen: 276.827 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VV014763.D
 Acq: 06 Mar 2020 17:48

Tgt Ion: 43 Resp: 1091012
 Ion Ratio Lower Upper
 43 100
 58 38.3 31.0 46.4
 100 14.2 11.2 16.8





#42

Toluene

Concen: 112.739 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV014763.D

Acq: 06 Mar 2020 17:48

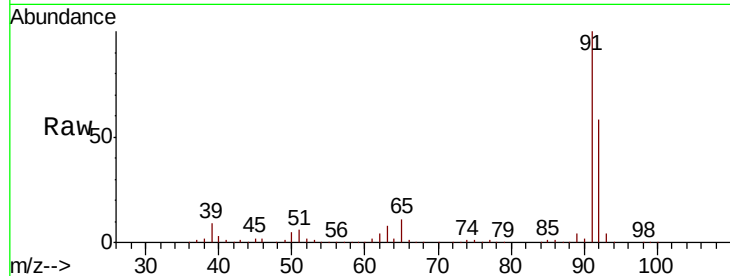
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 1500739

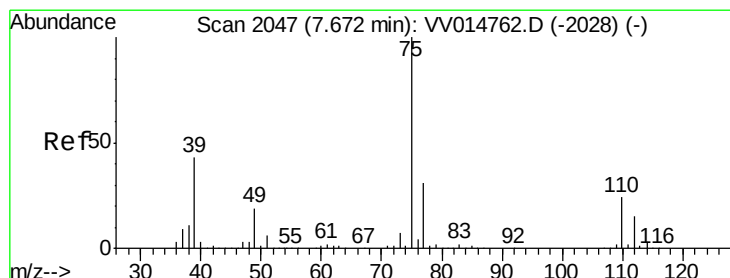
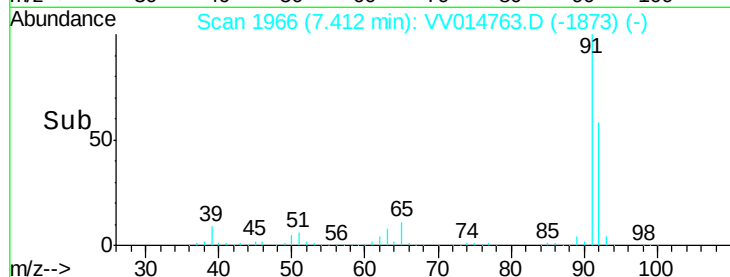
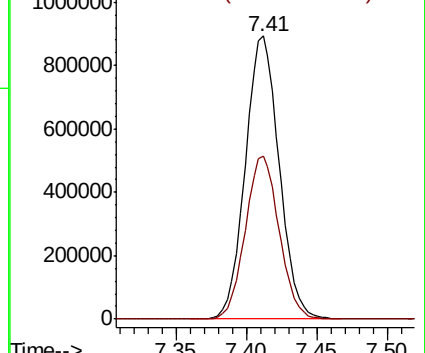
Ion Ratio Lower Upper

91 100

92 57.8 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV0
Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 111.163 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV014763.D

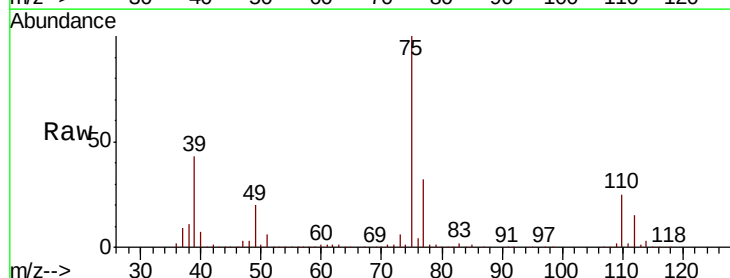
Acq: 06 Mar 2020 17:48

Tgt Ion: 75 Resp: 536084

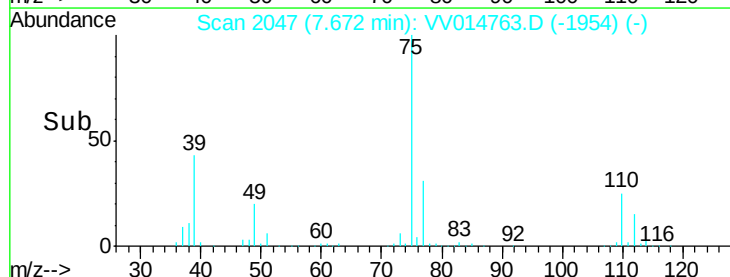
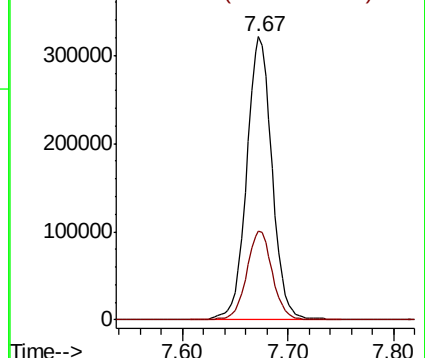
Ion Ratio Lower Upper

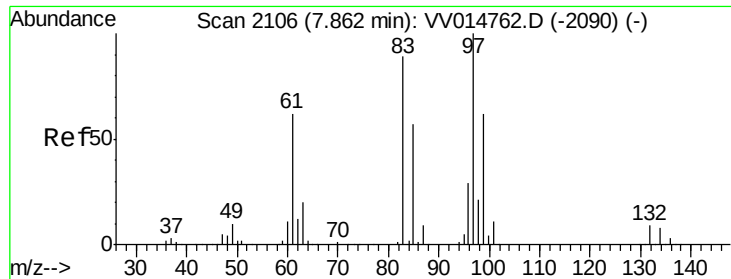
75 100

77 31.5 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0

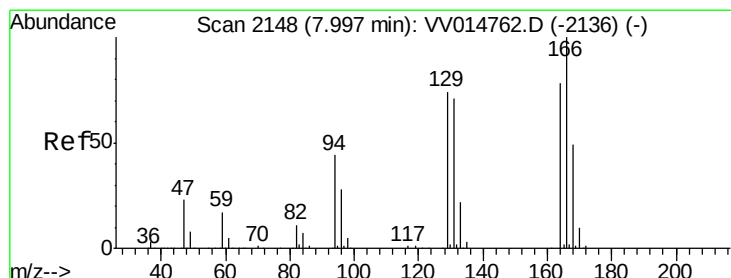
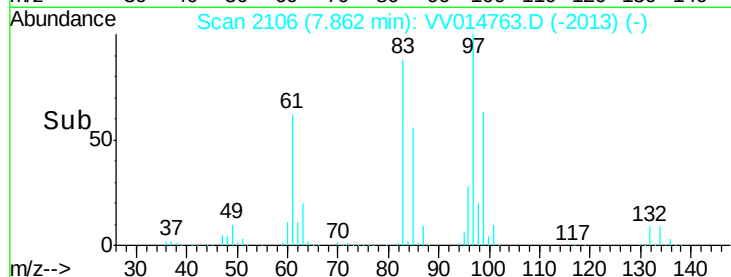
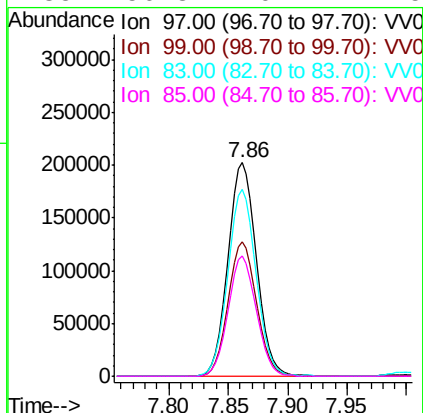
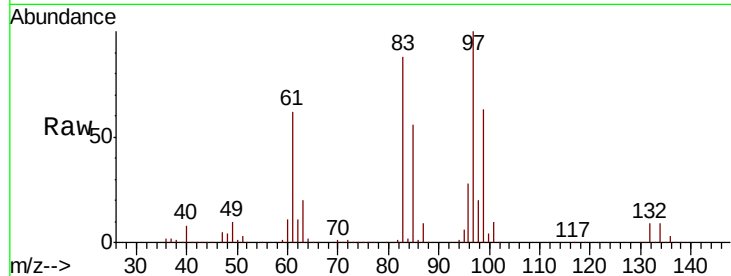




#45
 1,1,2-Trichloroethane
 Concen: 106.382 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV014763.D
 Acq: 06 Mar 2020 17:48

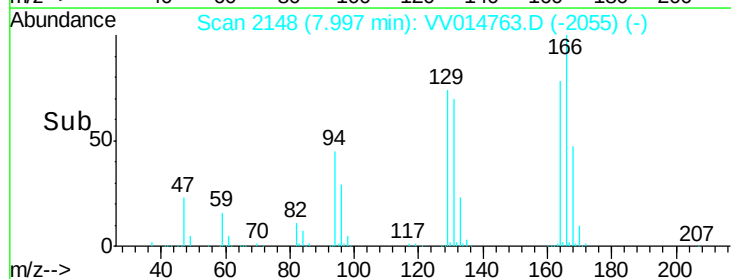
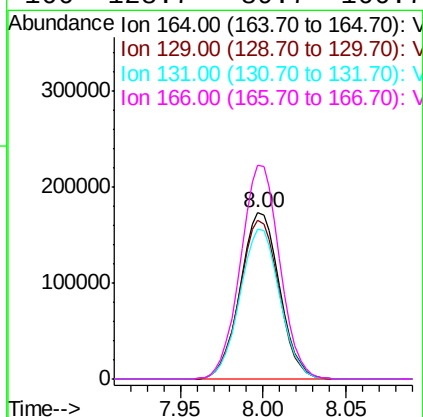
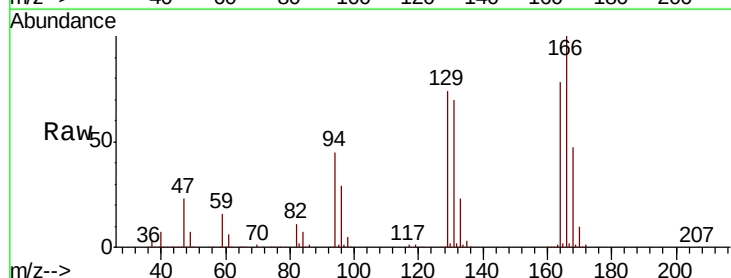
Instrument :
 MSVOA_V
 ClientSampleId :

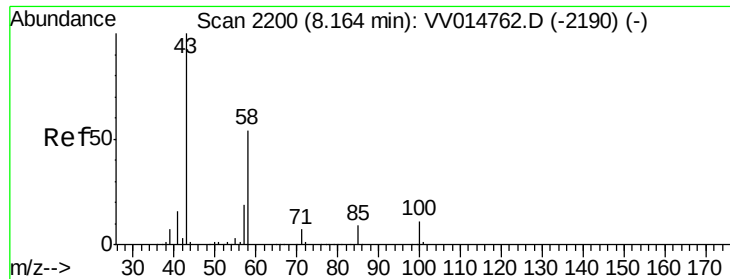
Tot Ion:	97	Resp:	335741
Ion	Ratio	Lower	Upper
97	100		
99	63.1	43.1	80.1
83	87.5	62.4	115.8
85	56.3	40.1	74.5



#46
 Tetrachloroethene
 Concen: 111.326 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV014763.D
 Acq: 06 Mar 2020 17:48

Tgt Ion:	164	Resp:	287563
Ion	Ratio	Lower	Upper
164	100		
129	95.4	66.0	122.6
131	90.1	63.9	118.7
166	128.7	89.7	166.7

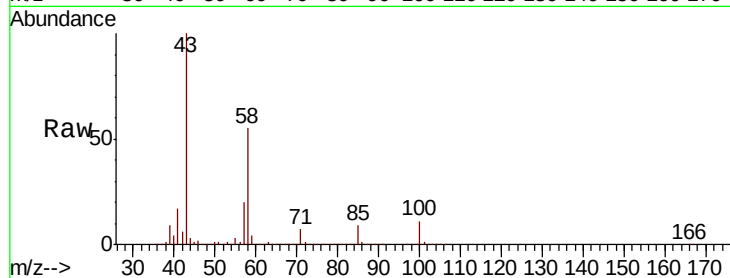




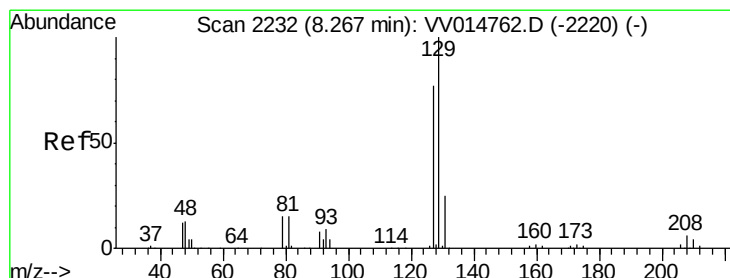
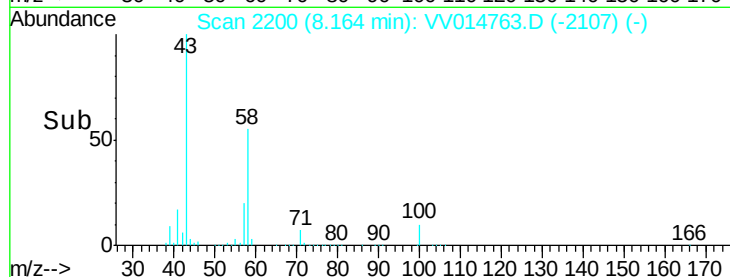
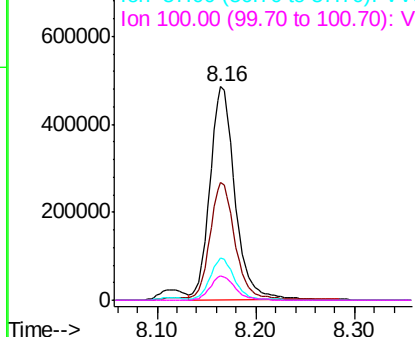
#48
2-Hexanone
Concen: 275.507 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV014763.D
Acq: 06 Mar 2020 17:48

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 855600
Ion Ratio Lower Upper
43 100
58 55.6 43.3 64.9
57 19.3 15.6 23.4
100 11.4 8.7 13.1

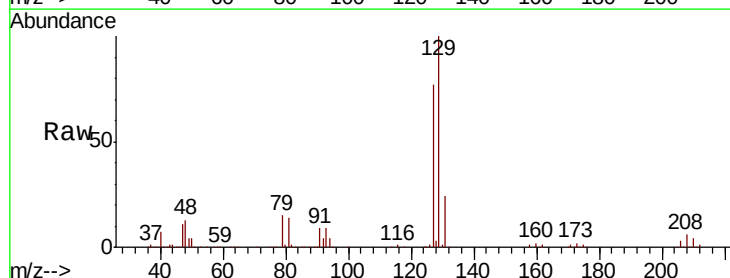


Abundance Ion 43.00 (42.70 to 43.70): VV014763.D (-2107) (-)
Ion 58.00 (57.70 to 58.70): VV014763.D (-2107) (-)
Ion 57.00 (56.70 to 57.70): VV014763.D (-2107) (-)
Ion 100.00 (99.70 to 100.70): VV014763.D (-2107) (-)

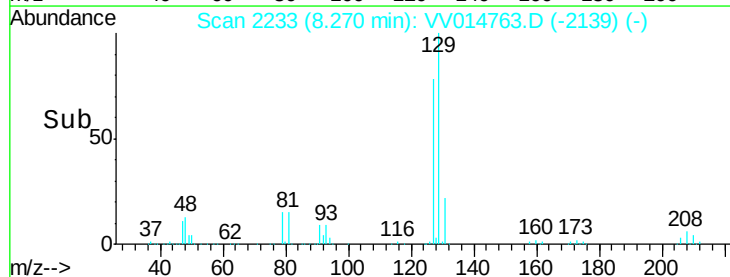
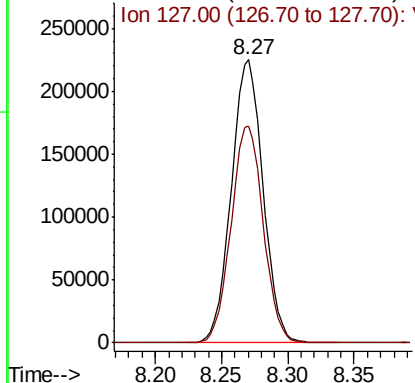


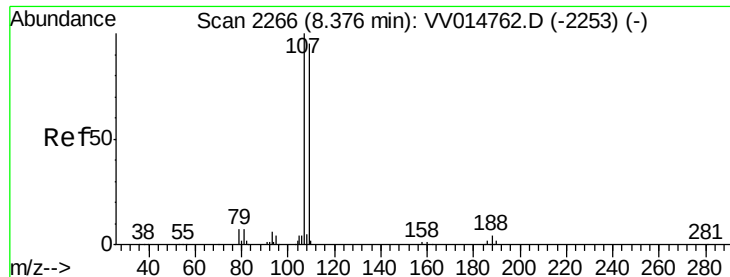
#49
Dibromochloromethane
Concen: 101.226 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV014763.D
Acq: 06 Mar 2020 17:48

Tgt Ion: 129 Resp: 374447
Ion Ratio Lower Upper
129 100
127 76.8 53.9 100.1



Abundance Ion 129.00 (128.70 to 129.70): VV014763.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV014763.D (-2139) (-)

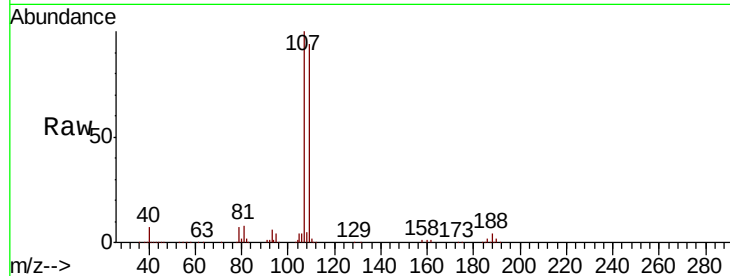




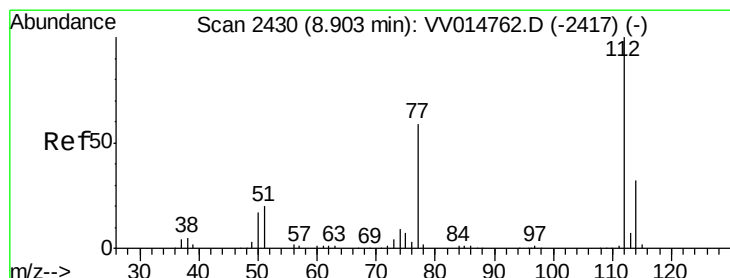
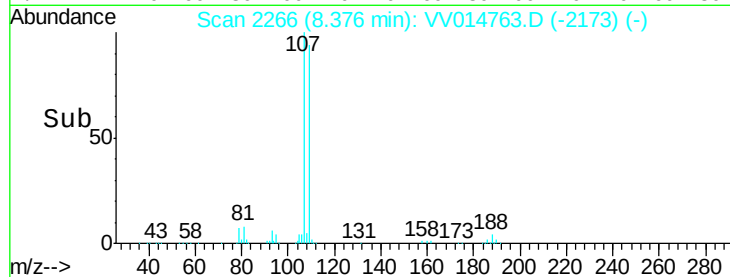
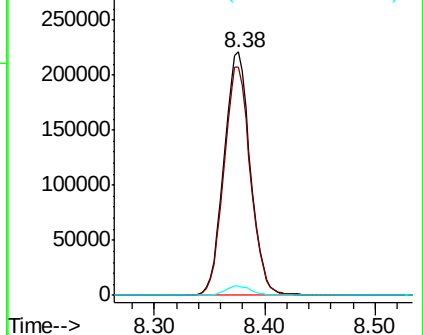
#50
1,2-Dibromoethane
Concen: 105.015 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.00 min
Lab File: VV014763.D
Acq: 06 Mar 2020 17:48

Instrument :
MSVOA_V
ClientSampled :

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	66.6	123.6
188	3.8	3.0	4.6

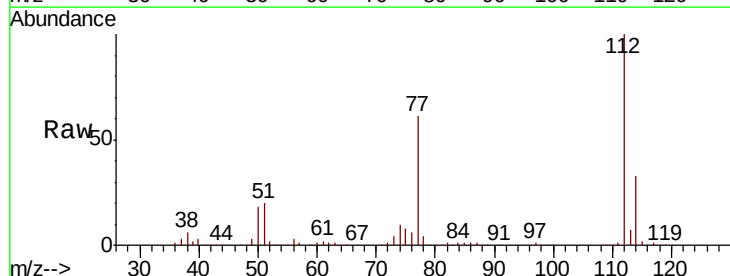


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

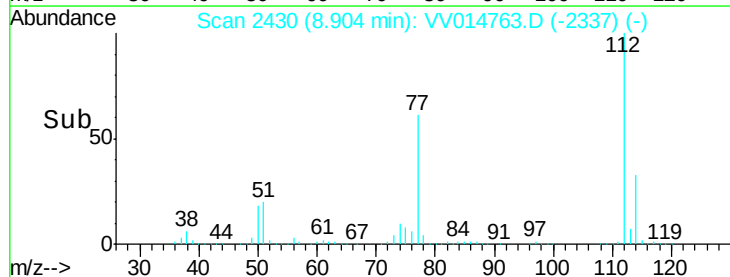
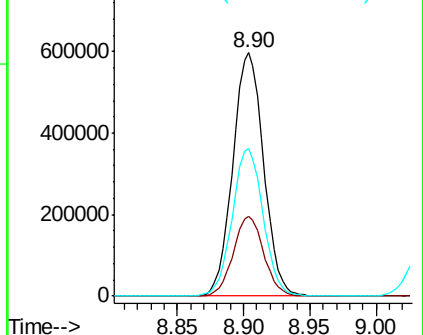


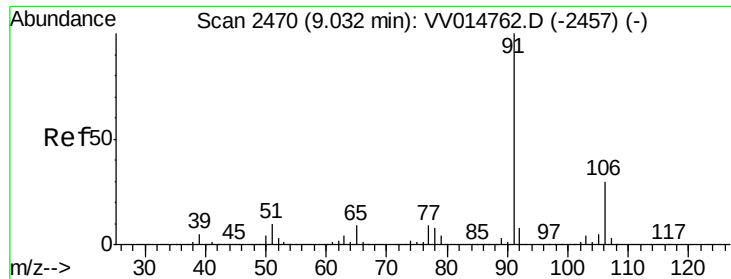
#51
Chlorobenzene
Concen: 107.218 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV014763.D
Acq: 06 Mar 2020 17:48

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.8	22.1	41.1
77	60.6	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): VV0





#52

Ethylbenzene

Concen: 113.023 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV014763.D

Acq: 06 Mar 2020 17:48

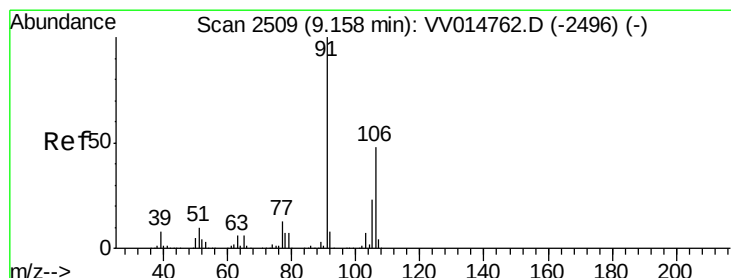
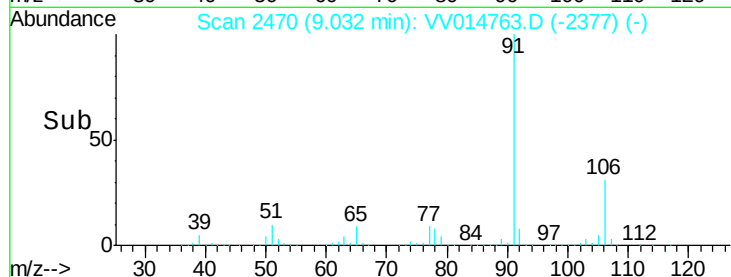
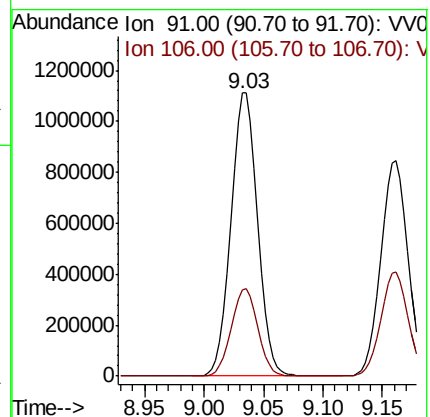
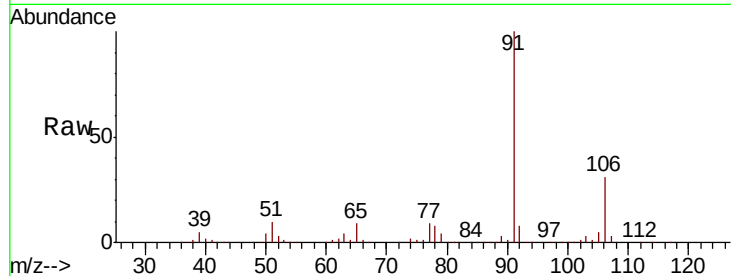
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 1721731

Ion Ratio Lower Upper

91 100

106 30.5 21.3 39.6



#53

m,p-Xylene

Concen: 111.064 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV014763.D

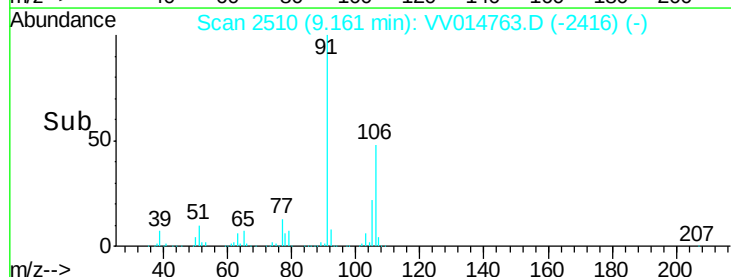
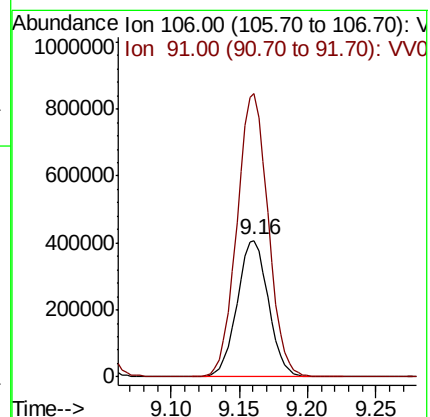
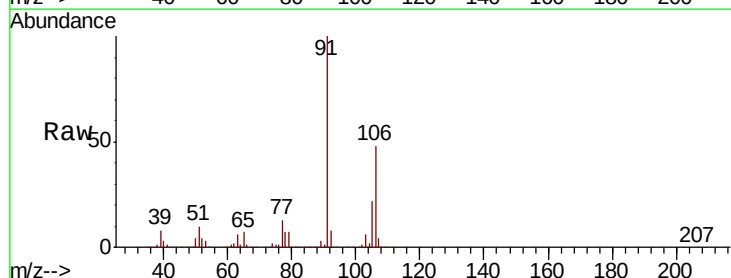
Acq: 06 Mar 2020 17:48

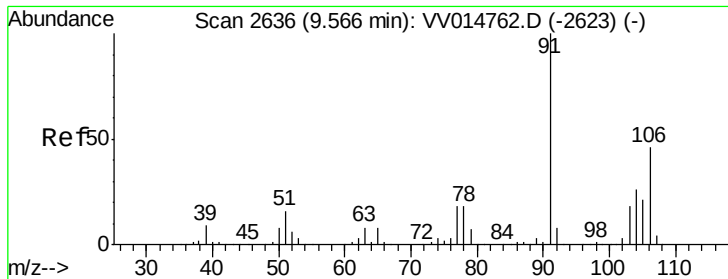
Tgt Ion: 106 Resp: 648274

Ion Ratio Lower Upper

106 100

91 207.0 145.1 269.5





#54

o-xylene

Concen: 111.262 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV014763.D

Acq: 06 Mar 2020 17:48

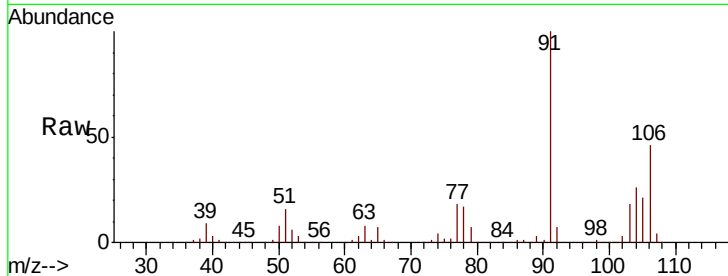
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 635596

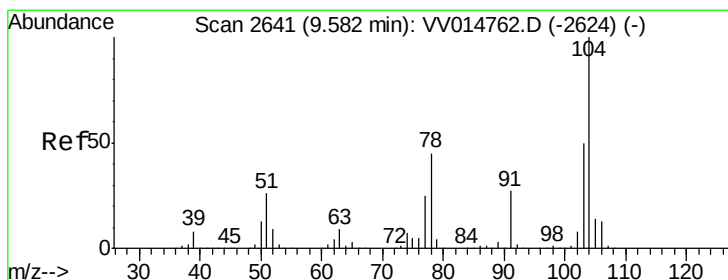
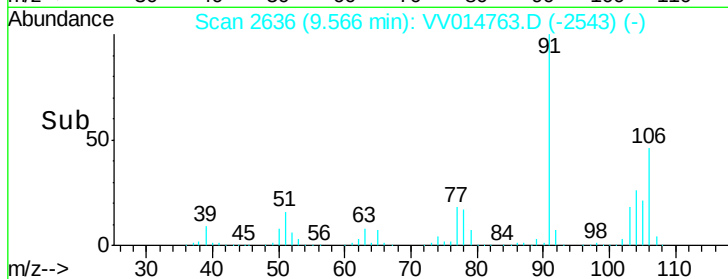
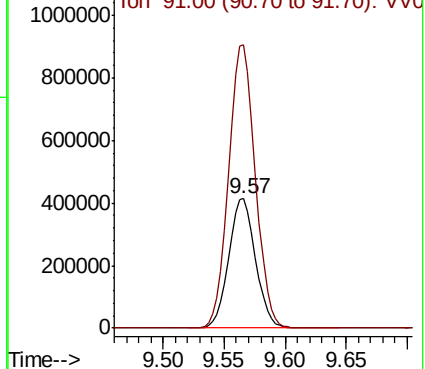
Ion Ratio Lower Upper

106 100

91 219.0 152.5 283.3



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



#55

Styrene

Concen: 116.049 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014763.D

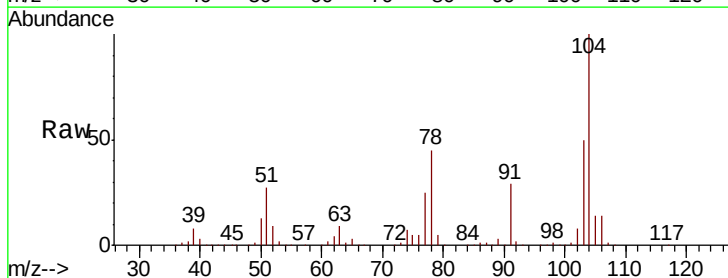
Acq: 06 Mar 2020 17:48

Tgt Ion:104 Resp: 1110631

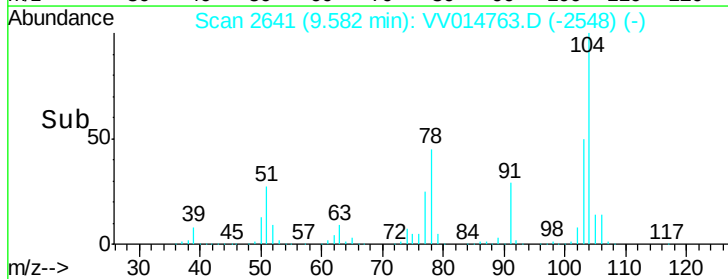
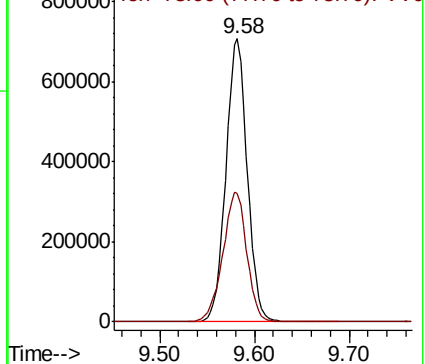
Ion Ratio Lower Upper

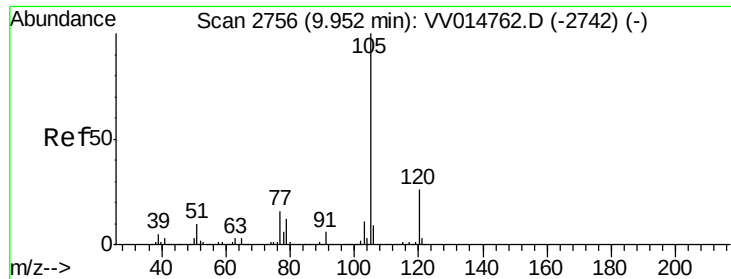
104 100

78 45.5 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: 112.898 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV014763.D

Acq: 06 Mar 2020 17:48

Instrument :

MSVOA_V

ClientSampled :

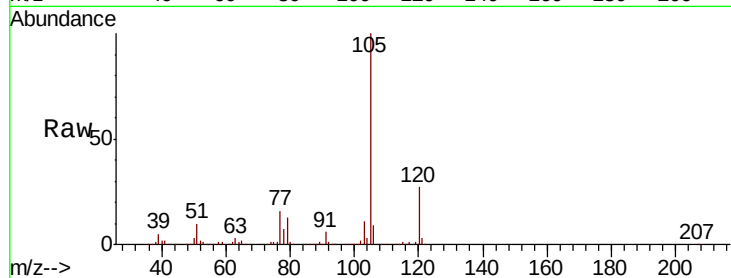
Tot Ion:105 Resp: 1703159

Ion Ratio Lower Upper

105 100

120 26.1 20.6 31.0

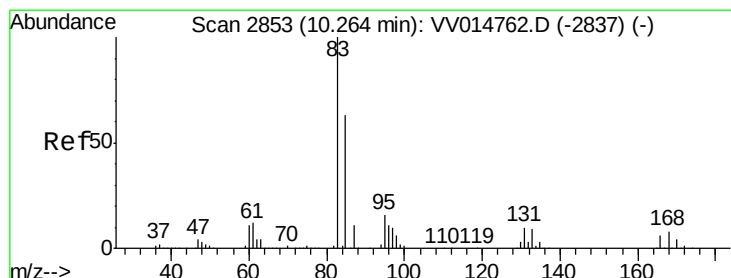
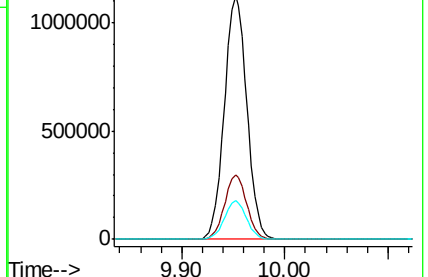
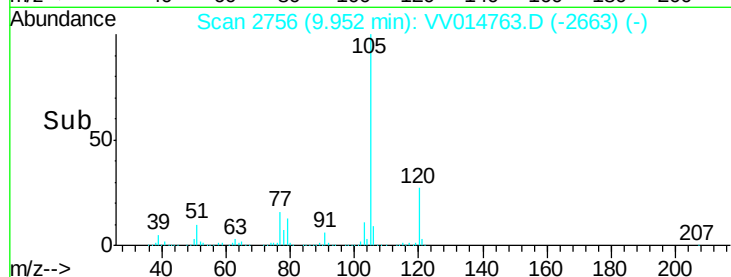
77 15.5 12.7 19.1



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: 116.714 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV014763.D

Acq: 06 Mar 2020 17:48

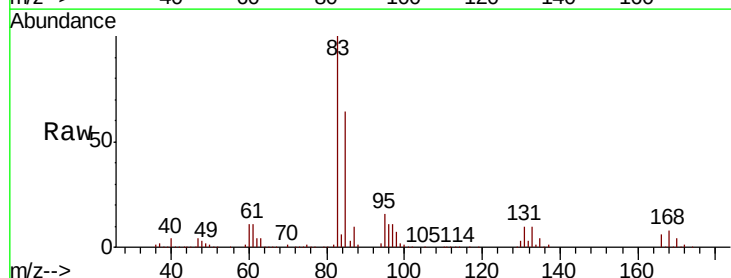
Tgt Ion: 83 Resp: 581344

Ion Ratio Lower Upper

83 100

85 64.0 44.4 82.5

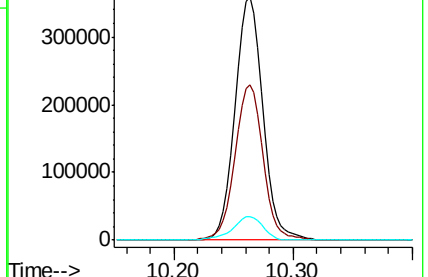
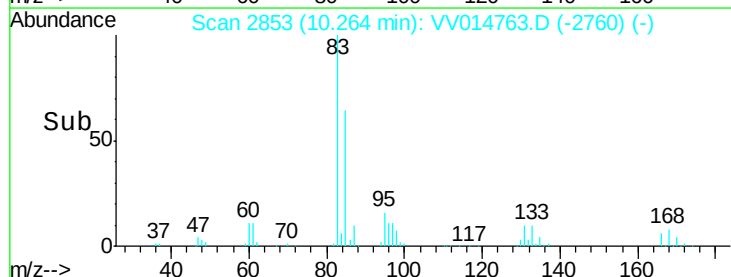
131 9.8 7.8 11.8

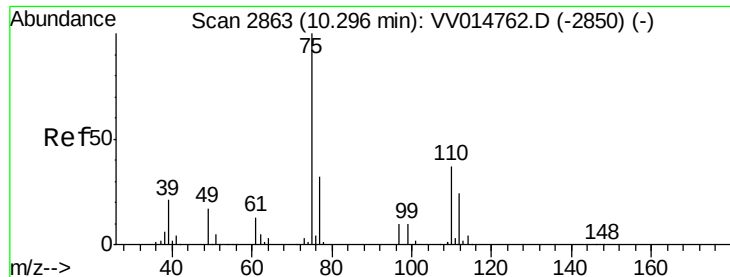


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 114.046 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV014763.D

Acq: 06 Mar 2020 17:48

Instrument :

MSVOA_V

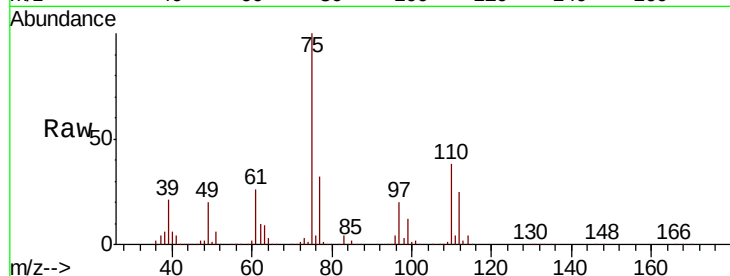
ClientSampleId :

Tot Ion: 75 Resp: 466215

Ion Ratio Lower Upper

75 100

77 32.2 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VV014762.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV014762.D (-2850) (-)

10.30

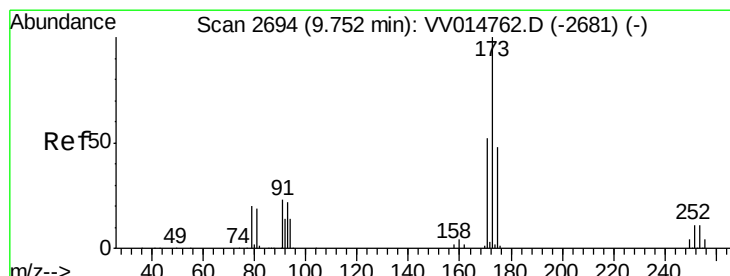
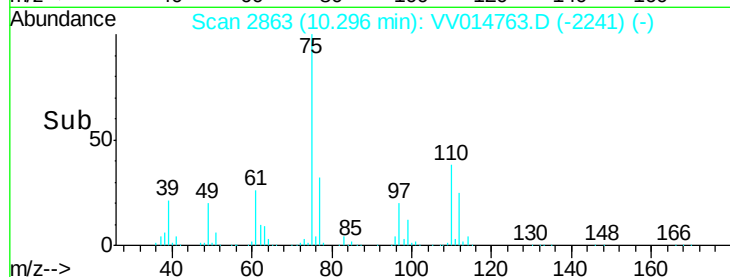
300000

200000

100000

0

Time--> 10.20 10.25 10.30 10.35



#61

Bromoform

Concen: 102.523 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV014763.D

Acq: 06 Mar 2020 17:48

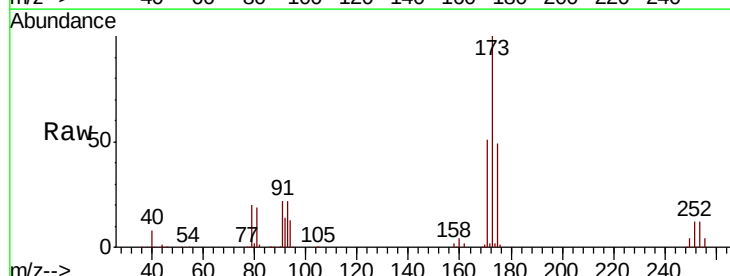
Tgt Ion: 173 Resp: 279710

Ion Ratio Lower Upper

173 100

175 49.1 39.0 58.4

254 11.9 8.6 13.0



Abundance Ion 173.00 (172.70 to 173.70): VV014762.D (-2681) (-)

Ion 175.00 (174.70 to 175.70): VV014762.D (-2681) (-)

Ion 254.00 (253.70 to 254.70): VV014762.D (-2681) (-)

9.75

200000

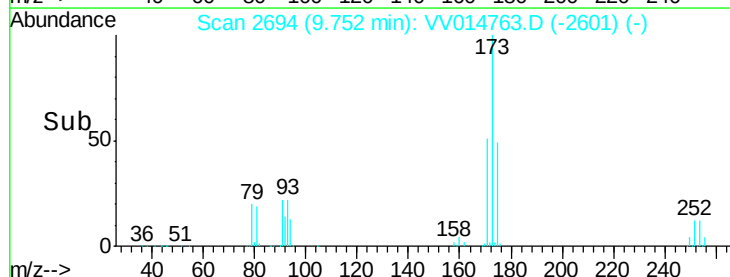
150000

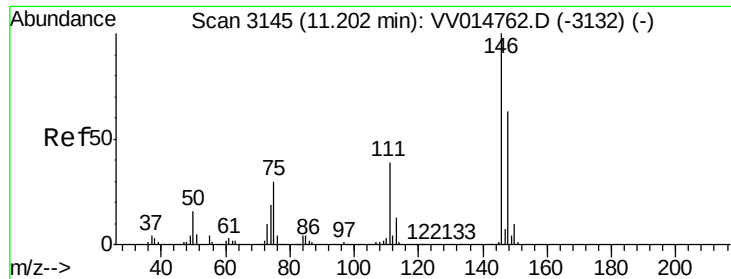
100000

50000

0

Time--> 9.65 9.70 9.75 9.80 9.85





#62

1,3-Dichlorobenzene

Concen: 105.838 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV014763.D

Acq: 06 Mar 2020 17:48

Instrument :

MSVOA_V

ClientSampleId :

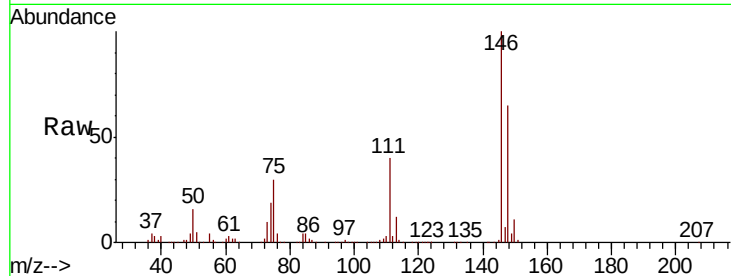
Tot Ion:146 Resp: 814779

Ion Ratio Lower Upper

146 100

111 40.2 27.2 50.4

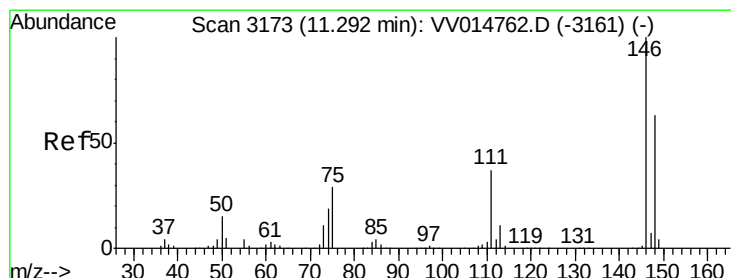
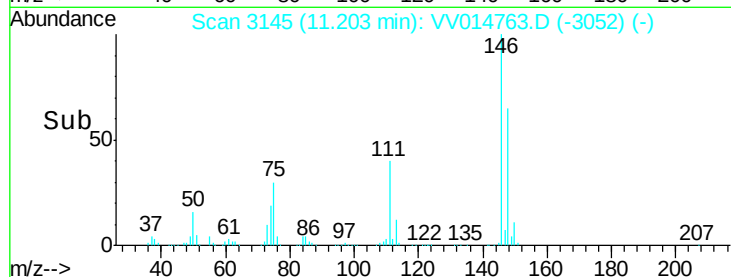
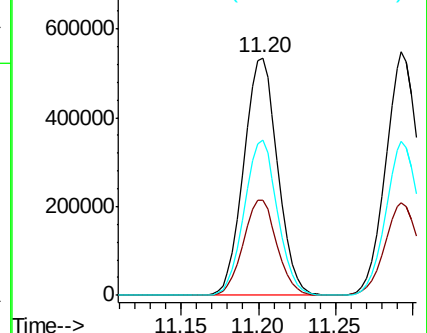
148 65.1 44.2 82.2



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: 104.443 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV014763.D

Acq: 06 Mar 2020 17:48

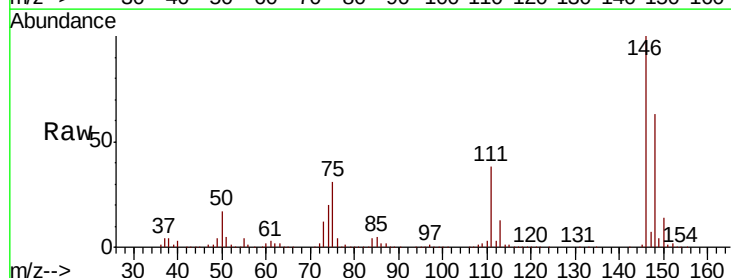
Tgt Ion:146 Resp: 825308

Ion Ratio Lower Upper

146 100

111 38.3 26.3 48.9

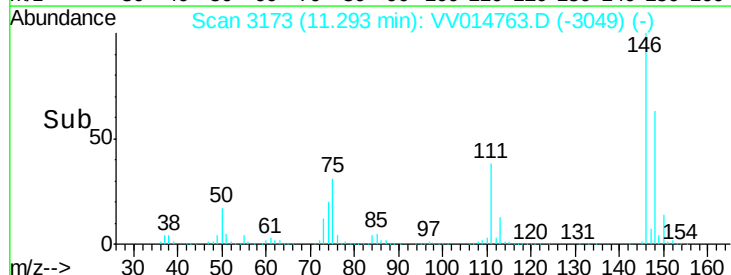
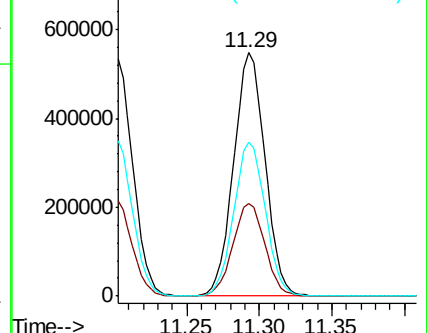
148 63.4 44.0 81.8

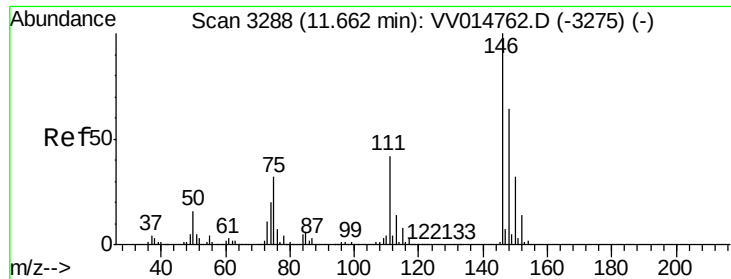


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

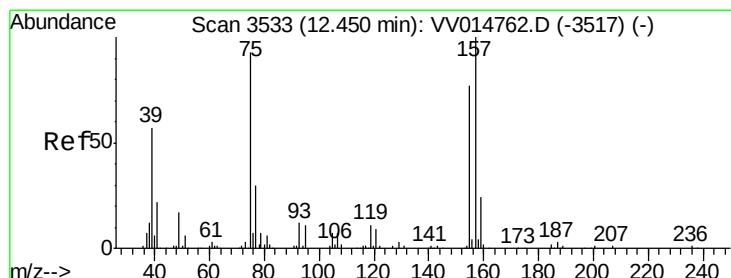
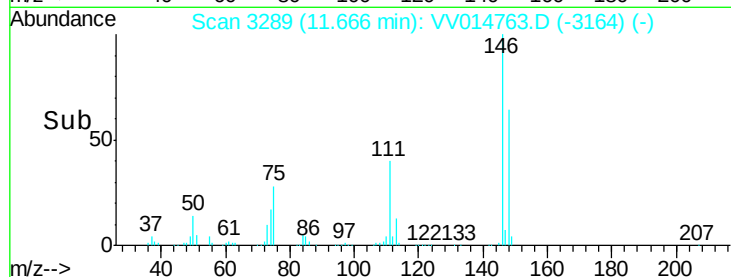
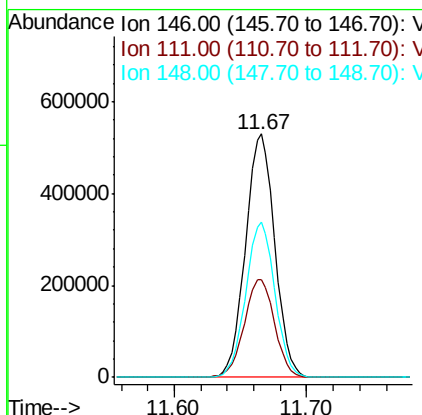
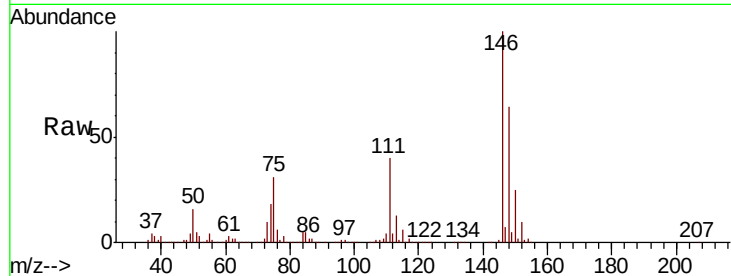




#65
 1,2-Dichlorobenzene
 Concen: 105.455 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV014763.D
 Acq: 06 Mar 2020 17:48

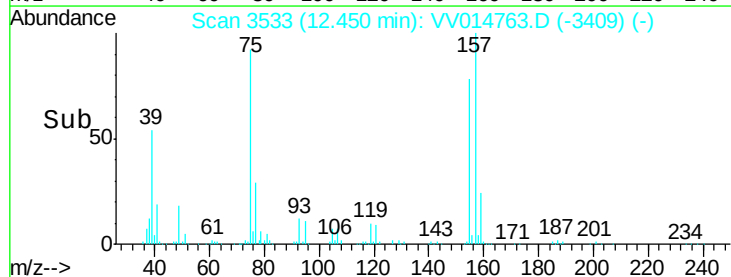
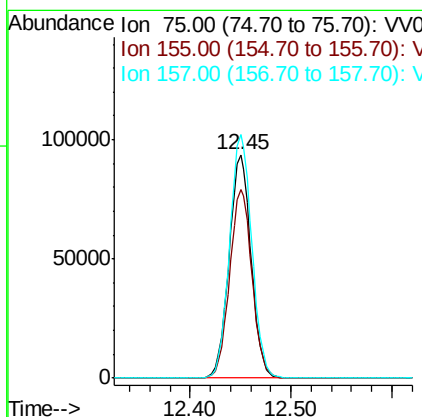
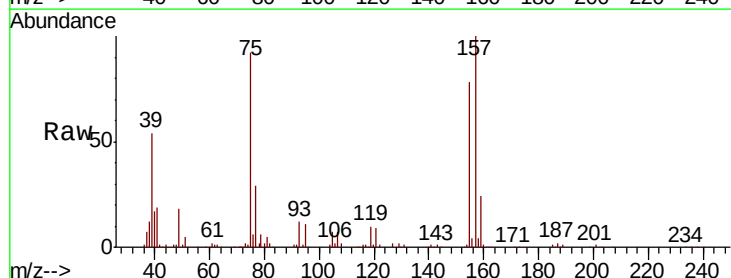
Instrument :
 MSVOA_V
 ClientSampleId :

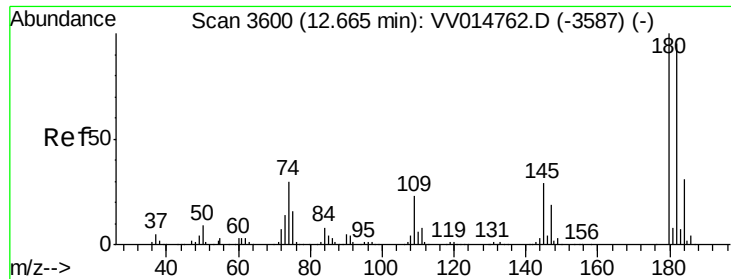
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	33.9	50.9
148	63.6	51.4	77.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 109.921 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV014763.D
 Acq: 06 Mar 2020 17:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.7	66.4	99.6
157	109.0	86.1	129.1

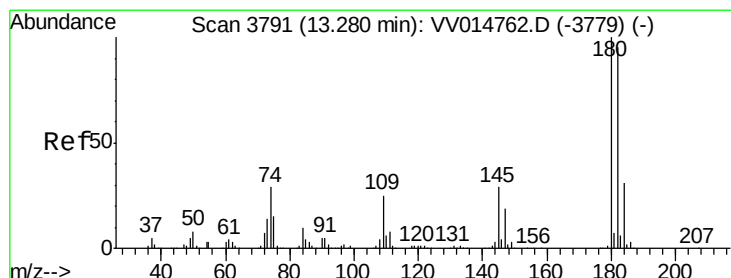
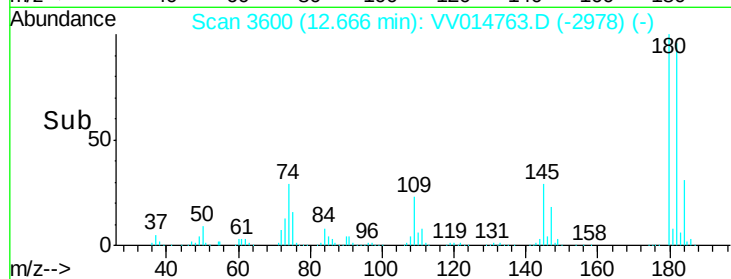
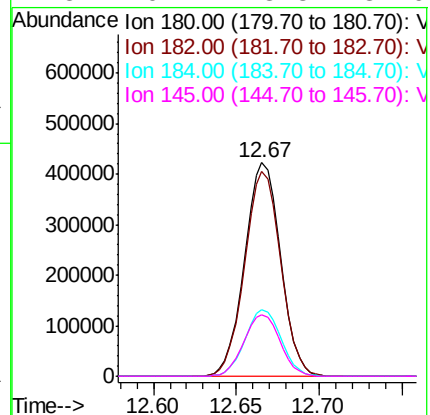
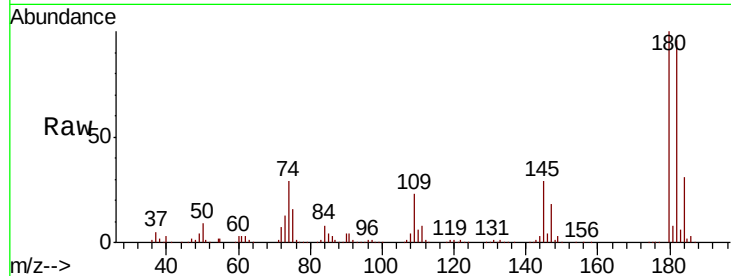




#67
 1,3,5-Trichlorobenzene
 Concen: 111.632 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV014763.D
 Acq: 06 Mar 2020 17:48

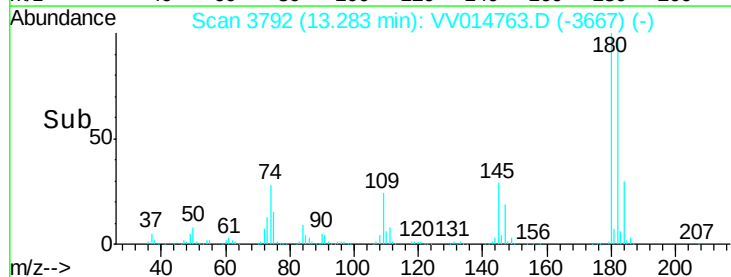
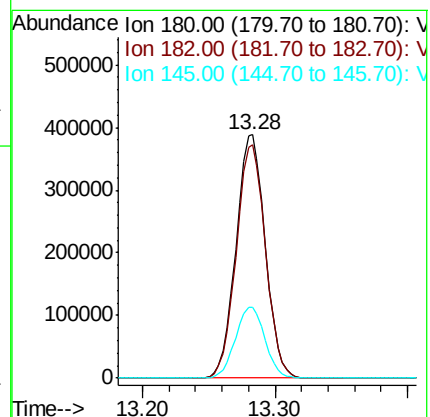
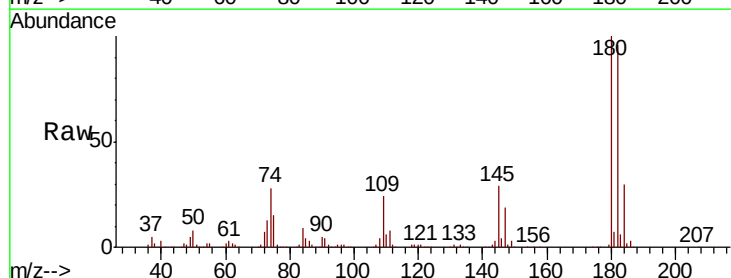
Instrument :
 MSVOA_V
 ClientSampleId :

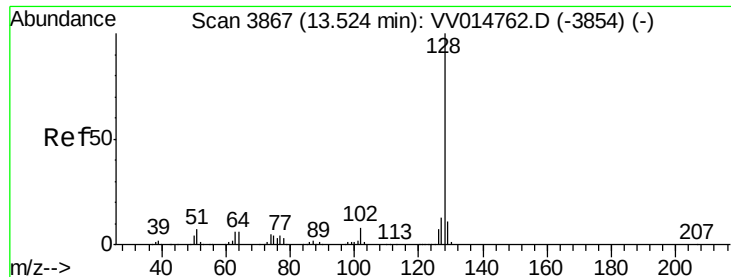
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.6	113.4
184	31.2	24.8	37.2
145	29.1	23.3	34.9



#68
 1,2,4-trichlorobenzene
 Concen: 110.870 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV014763.D
 Acq: 06 Mar 2020 17:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.6	114.8
145	29.6	23.4	35.0





#69

Naphthalene

Concen: 58.781 ug/L

RT: 13.52 min Scan# 3866

Delta R.T. -0.00 min

Lab File: VV014763.D

Acq: 06 Mar 2020 17:48

Instrument :

MSVOA_V

ClientSampleId :

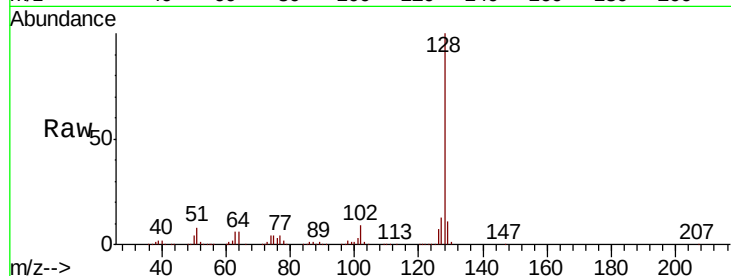
Tot Ion:128 Resp: 931524

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

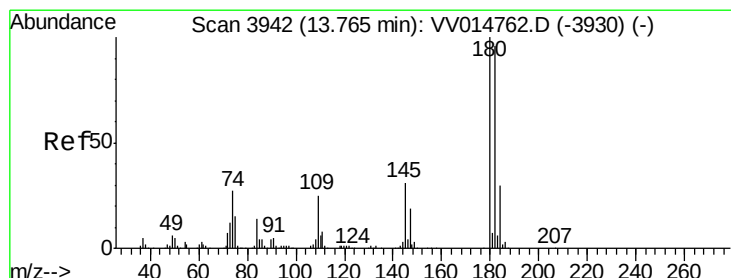
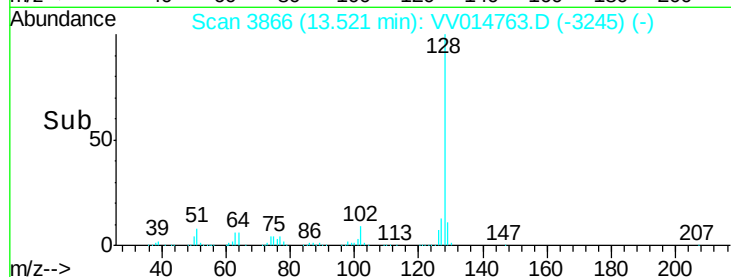
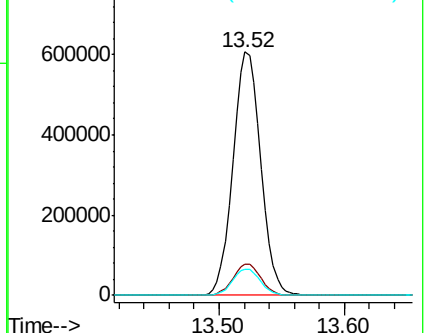
129 10.8 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 109.279 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV014763.D

Acq: 06 Mar 2020 17:48

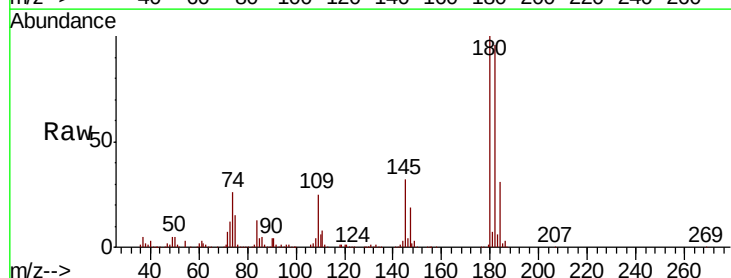
Tgt Ion:180 Resp: 599737

Ion Ratio Lower Upper

180 100

182 94.8 76.5 114.7

145 31.3 25.0 37.4



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

