

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV030920\
 Data File : VV014780.D
 Acq On : 09 Mar 2020 16:36
 Operator : SY/MD
 Sample : L1834-19
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DL2

Quant Time: Mar 10 14:49:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 10 14:44:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	436521	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.88	117	443683	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.28	152	253106	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	124097	42.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.02%
7) Chloroethane-d5	1.58	69	102218	43.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.54%
11) 1,1-Dichloroethene-d2	2.12	63	164963	33.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.22%
21) 2-Butanone-d5	3.94	46	197806	89.78	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.78%
24) Chloroform-d	4.38	84	312684	55.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.80%
26) 1,2-Dichloroethane-d4	5.06	65	176254	46.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.78%
32) Benzene-d6	5.08	84	558539	47.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.36%
36) 1,2-Dichloropropane-d6	6.10	67	169398	43.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.26%
41) Toluene-d8	7.34	98	523321	45.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.22%
43) trans-1,3-Dichloropropene-	7.64	79	84403	44.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.04%
47) 2-Hexanone-d5	8.12	63	161848	93.88	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.88%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	234993	44.00	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.00%
64) 1,2-Dichlorobenzene-d4	11.66	152	243352	48.51	ug/L	0.01
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.02%

Target Compounds

						Qvalue
12) 1,1-Dichloroethene	2.13	96	5009	2.11	ug/L	# 1
13) Acetone	2.22	43	7873	4.28	ug/L	50
16) Methylene chloride	2.52	84	2145	0.67	ug/L	78
25) Chloroform	4.41	83	1170068	197.39	ug/L	100
27) 1,2-Dichloroethane	5.14	62	411099	89.48	ug/L	# 75
31) Carbon tetrachloride	4.86	117	56969	13.04	ug/L	100
34) Trichloroethene	5.95	95	4581	1.36	ug/L	93
35) Methylcyclohexane	6.10	83	41821	7.54	ug/L	# 18
38) Bromodichloromethane	6.53	83	8457	1.91	ug/L	98
46) Tetrachloroethene	8.00	164	2211	0.80	ug/L	78
48) 2-Hexanone	8.12	43	18183	4.59	ug/L	# 73
62) 1,3-Dichlorobenzene	11.21	146	6063484	740.82	ug/L	97
63) 1,4-Dichlorobenzene	11.21	146	6063484	735.32	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.41	75	14612	10.57	ug/L	# 4
67) 1,3,5-Trichlorobenzene	12.67	180	2827	0.45	ug/L	94
68) 1,2,4-trichlorobenzene	13.29	180	4678831	804.17	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	2077384	358.21	ug/L	100

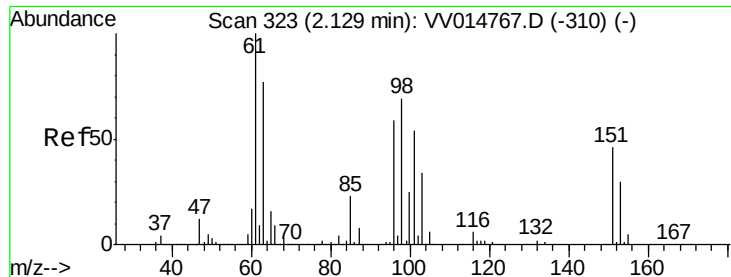
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV030920\
Data File : VV014780.D
Acq On : 09 Mar 2020 16:36
Operator : SY/MD
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Quant Time: Mar 10 14:49:14 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 10 14:44:37 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#12

1,1-Dichloroethene

Concen: 2.11 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV014780.D

Acq: 09 Mar 2020 16:36

Instrument :

MSVOA_V

ClientSampled :

C0DL2

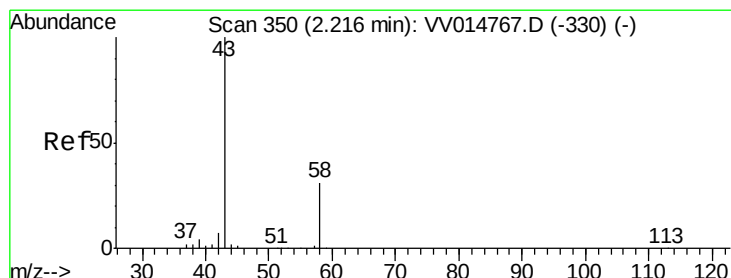
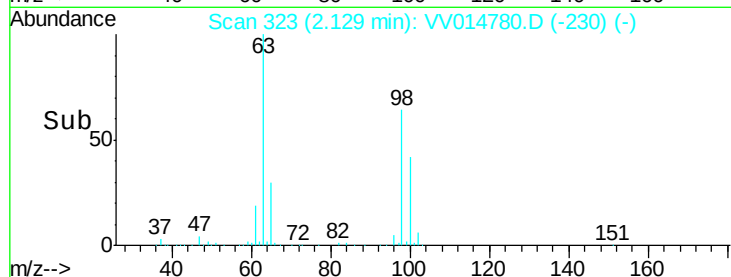
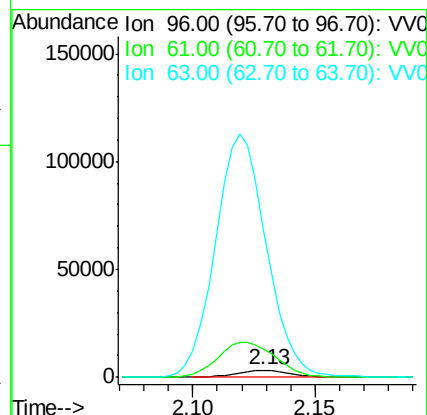
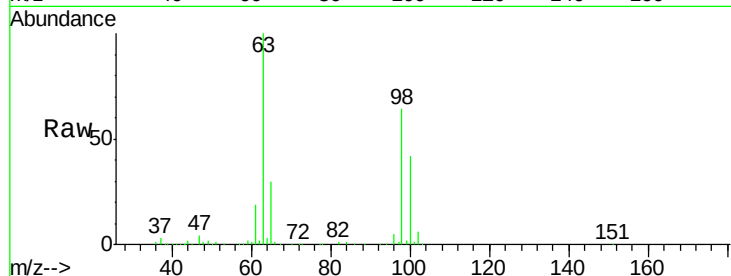
Tgt Ion: 96 Resp: 5009

Ion Ratio Lower Upper

96 100

61 414.3 118.4 220.0#

63 2150.8 88.4 164.2#



#13

Acetone

Concen: 4.28 ug/L

RT: 2.22 min Scan# 352

Delta R.T. 0.01 min

Lab File: VV014780.D

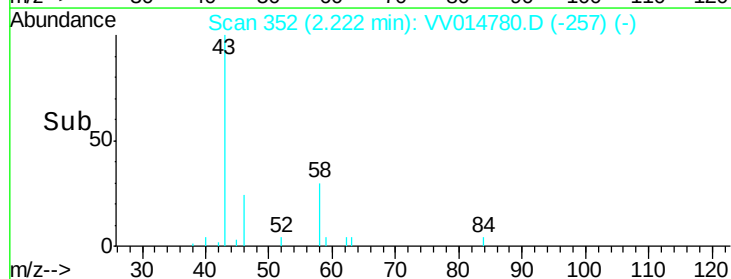
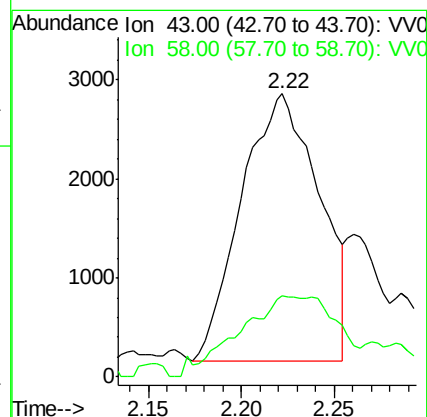
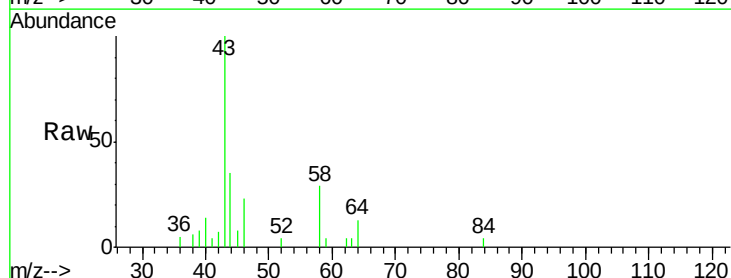
Acq: 09 Mar 2020 16:36

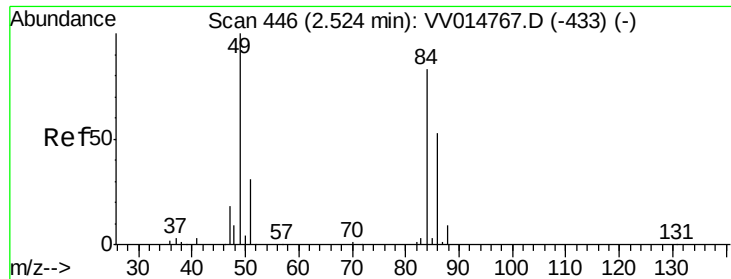
Tgt Ion: 43 Resp: 7873

Ion Ratio Lower Upper

43 100

58 3.5 0.0 62.2

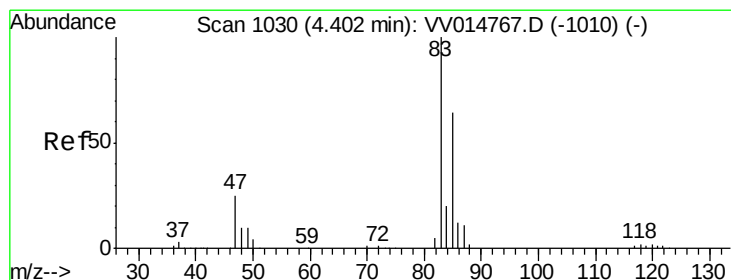
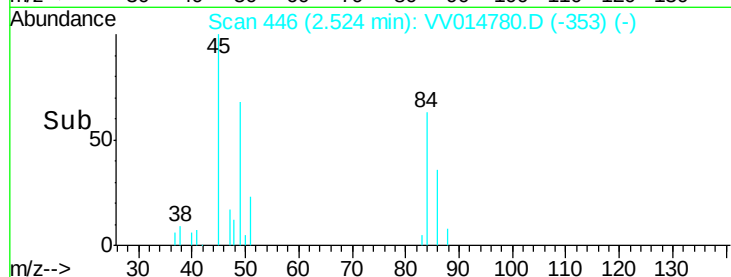
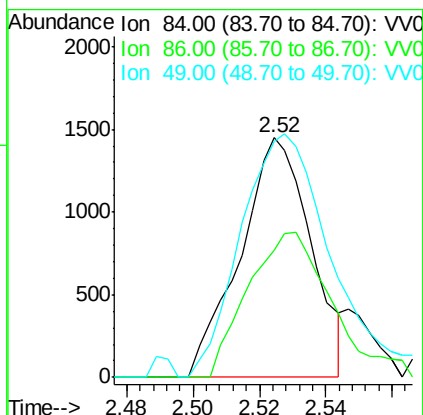
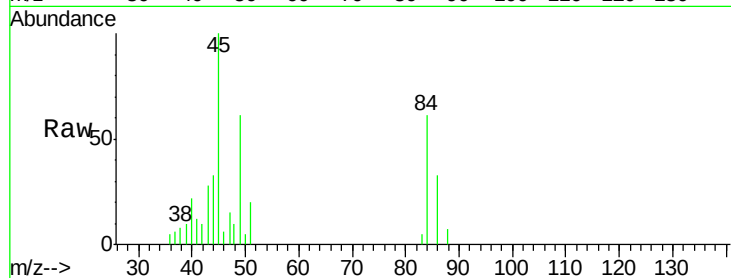




#16
Methylene chloride
Concen: 0.67 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV014780.D
Acq: 09 Mar 2020 16:36

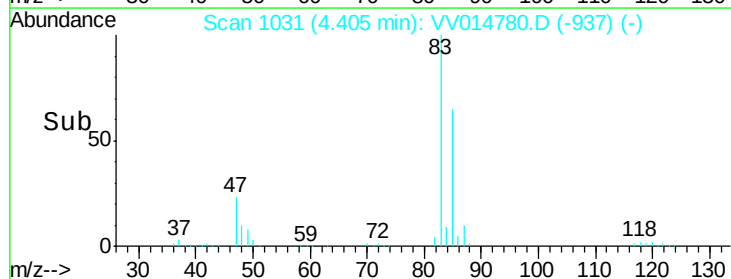
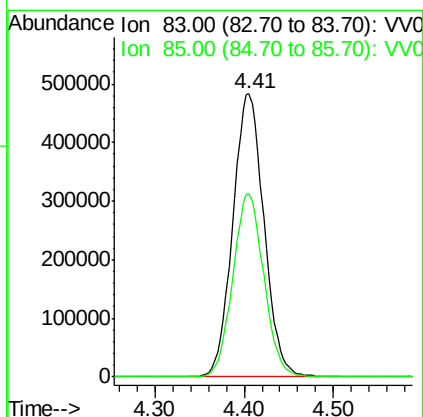
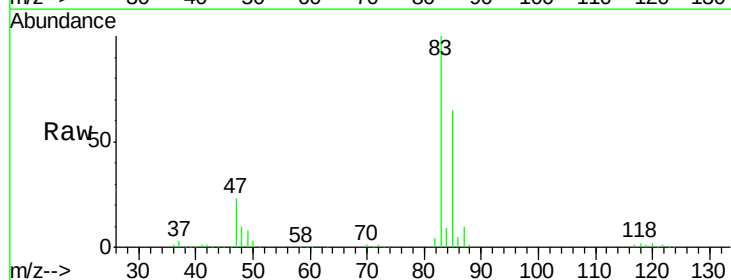
Instrument :
MSVOA_V
ClientSampleId :
C0DL2

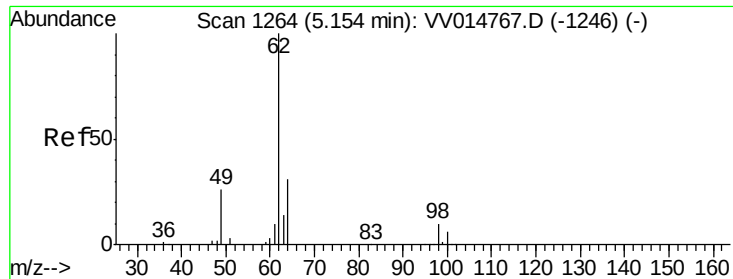
Tgt Ion: 84 Resp: 2145
Ion Ratio Lower Upper
84 100
86 53.0 47.3 87.9
49 98.8 88.7 164.7



#25
Chloroform
Concen: 197.39 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV014780.D
Acq: 09 Mar 2020 16:36

Tgt Ion: 83 Resp: 1170068
Ion Ratio Lower Upper
83 100
85 64.8 45.1 83.9

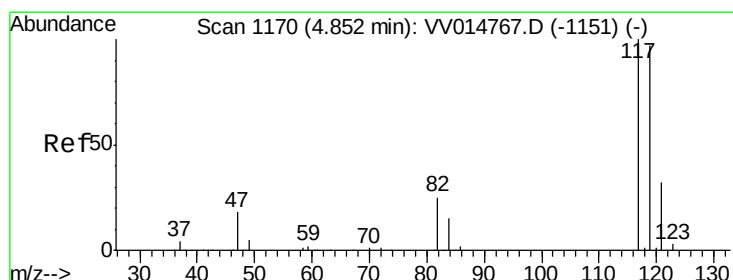
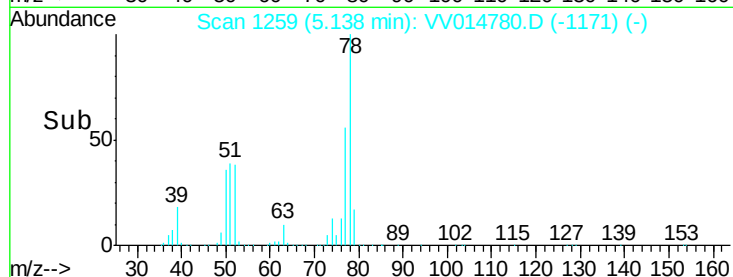
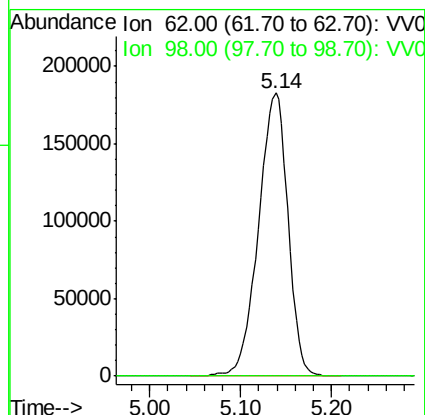
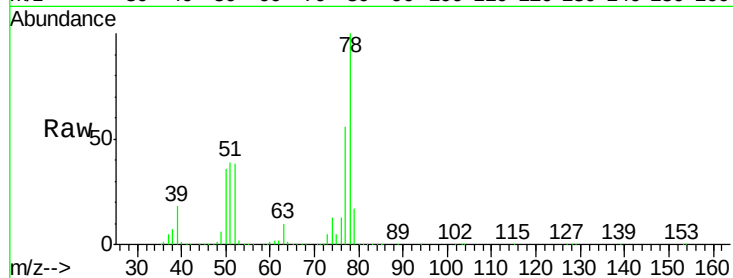




#27
 1,2-Dichloroethane
 Concen: 89.48 ug/L
 RT: 5.14 min Scan# 1259
 Delta R.T. -0.02 min
 Lab File: VV014780.D
 Acq: 09 Mar 2020 16:36

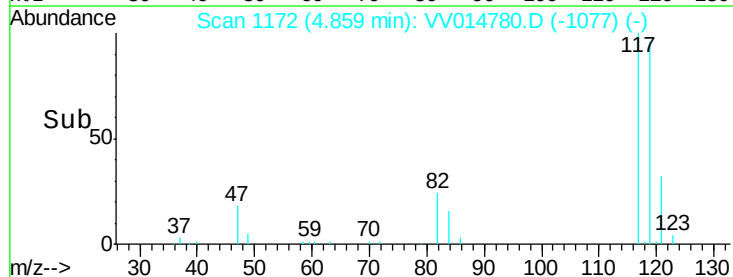
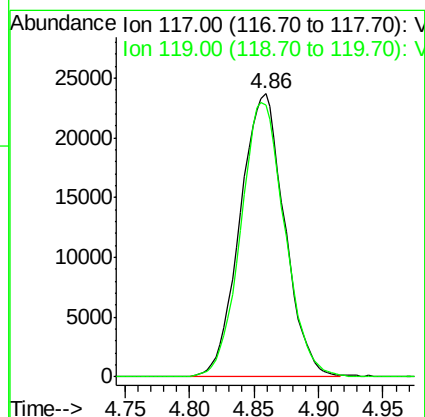
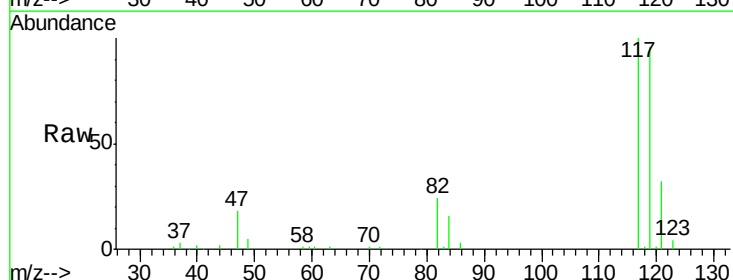
Instrument :
 MSVOA_V
 ClientSampleId :
 C0DL2

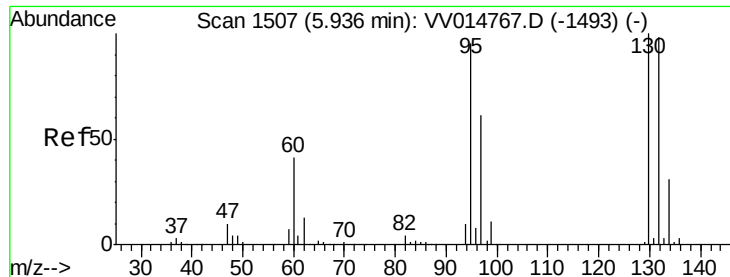
Tgt Ion: 62 Resp: 411099
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.2 10.8#



#31
 Carbon tetrachloride
 Concen: 13.04 ug/L
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.01 min
 Lab File: VV014780.D
 Acq: 09 Mar 2020 16:36

Tgt Ion: 117 Resp: 56969
 Ion Ratio Lower Upper
 117 100
 119 96.1 76.5 114.7





#34

Trichloroethene

Concen: 1.36 ug/L

RT: 5.95 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VV014780.D

Acq: 09 Mar 2020 16:36

Instrument :

MSVOA_V

ClientSampleId :

C0DL2

Tgt Ion: 95 Resp: 4581

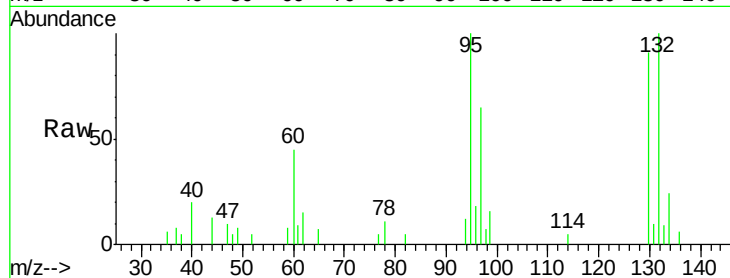
Ion Ratio Lower Upper

95 100

97 64.9 43.8 81.4

132 99.6 65.8 122.2

130 90.7 70.6 131.2

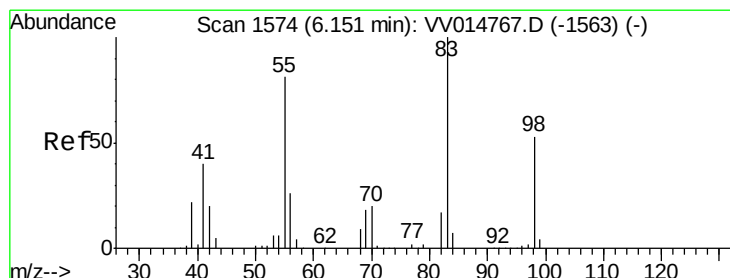
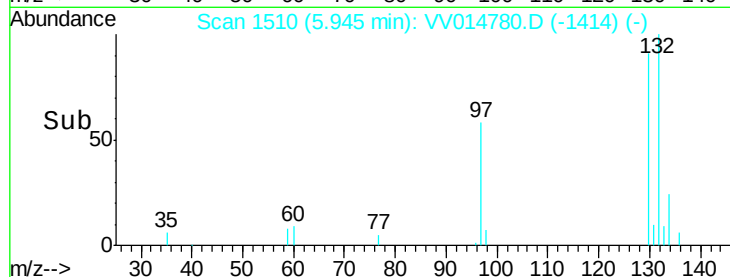
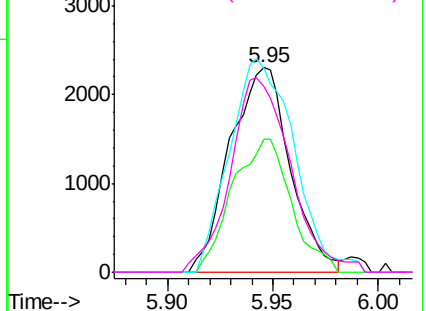


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 7.54 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.05 min

Lab File: VV014780.D

Acq: 09 Mar 2020 16:36

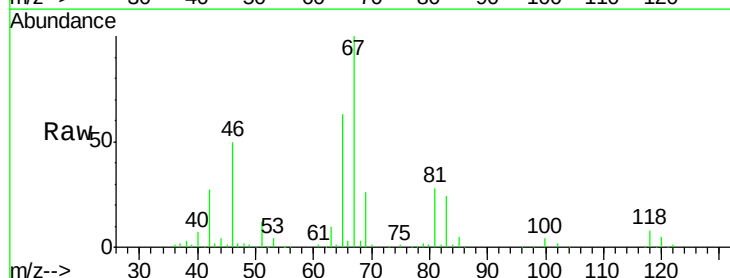
Tgt Ion: 83 Resp: 41821

Ion Ratio Lower Upper

83 100

55 0.1 63.4 95.2#

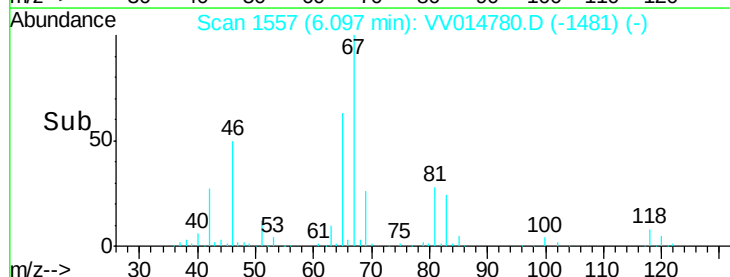
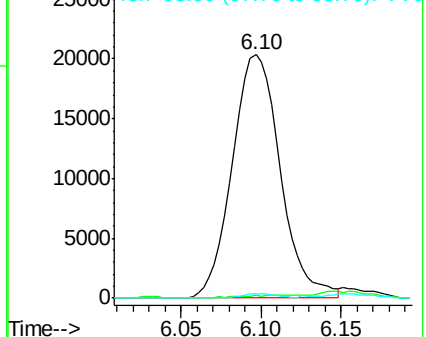
98 1.2 36.8 55.2#

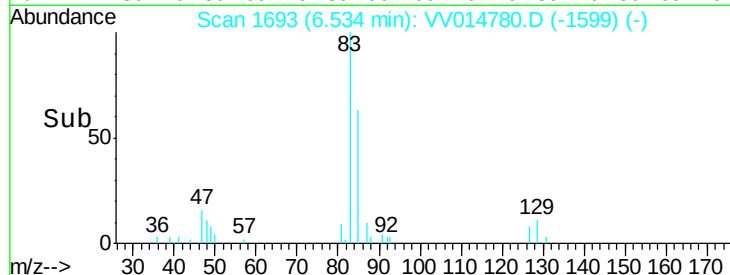
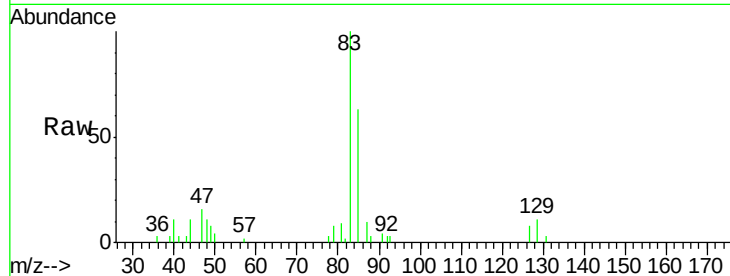
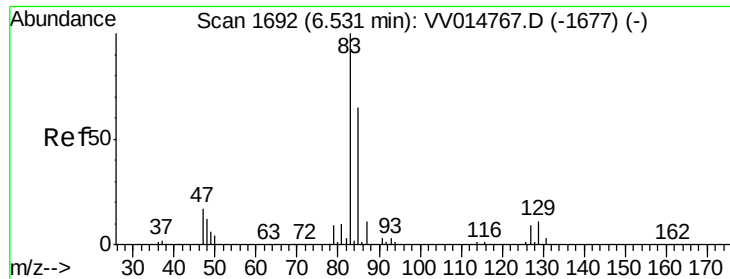


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#38

Bromodichloromethane

Concen: 1.91 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV014780.D

Acq: 09 Mar 2020 16:36

Instrument :

MSVOA_V

ClientSampleId :

C0DL2

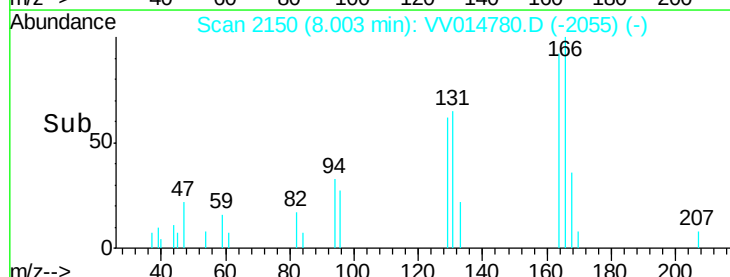
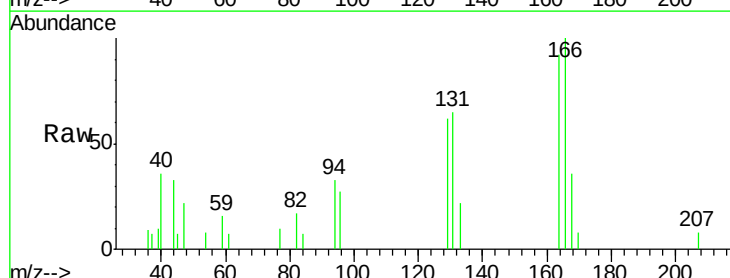
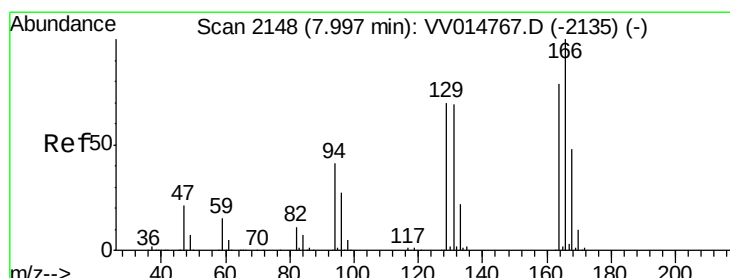
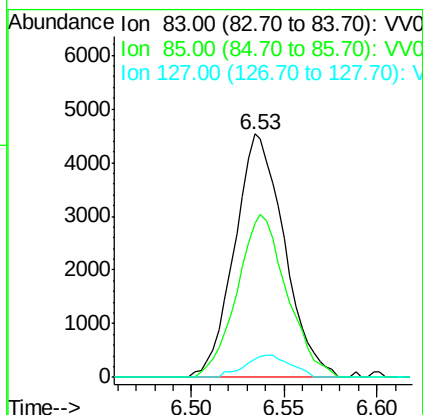
Tgt Ion: 83 Resp: 8457

Ion Ratio Lower Upper

83 100

85 63.2 45.1 83.7

127 7.7 6.7 10.1



#46

Tetrachloroethene

Concen: 0.80 ug/L

RT: 8.00 min Scan# 2150

Delta R.T. 0.01 min

Lab File: VV014780.D

Acq: 09 Mar 2020 16:36

Tgt Ion: 164 Resp: 2211

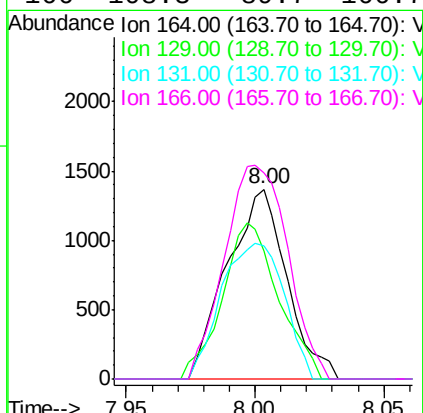
Ion Ratio Lower Upper

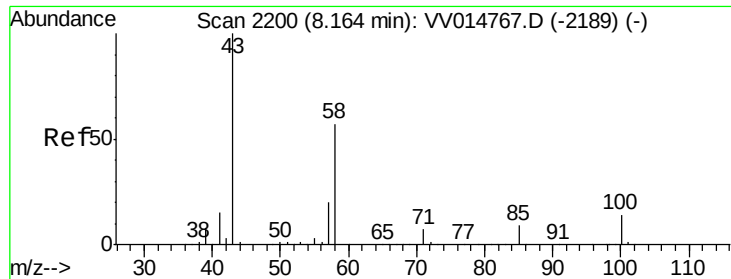
164 100

129 67.6 66.0 122.6

131 70.3 63.9 118.7

166 108.3 89.7 166.7

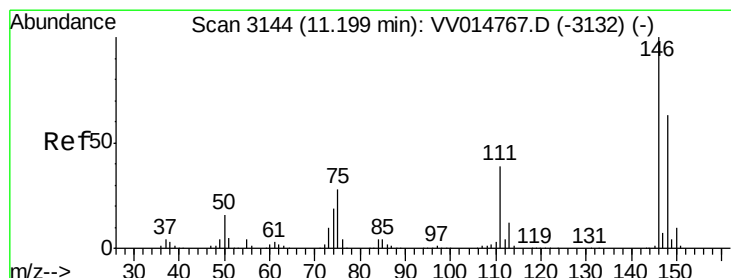
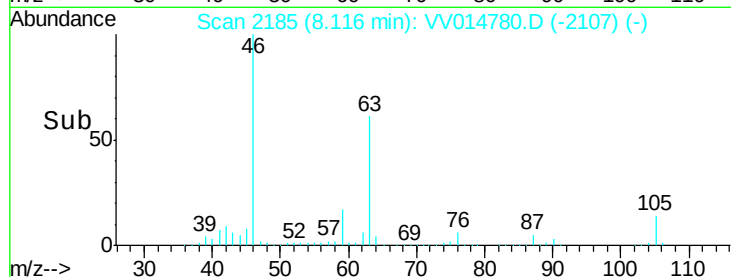
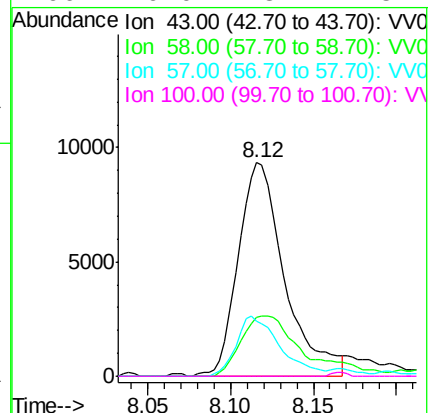
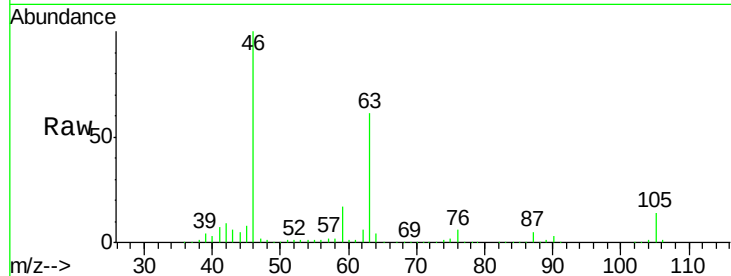




#48
2-Hexanone
Concen: 4.59 ug/L
RT: 8.12 min Scan# 2185
Delta R.T. -0.05 min
Lab File: VV014780.D
Acq: 09 Mar 2020 16:36

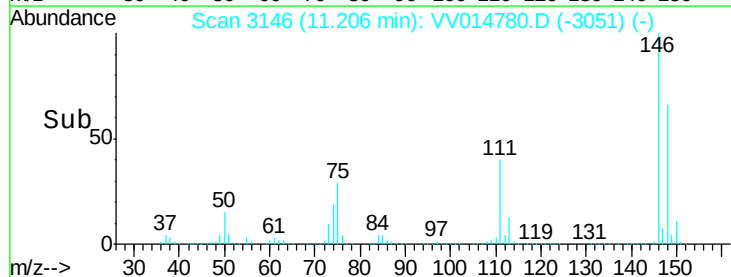
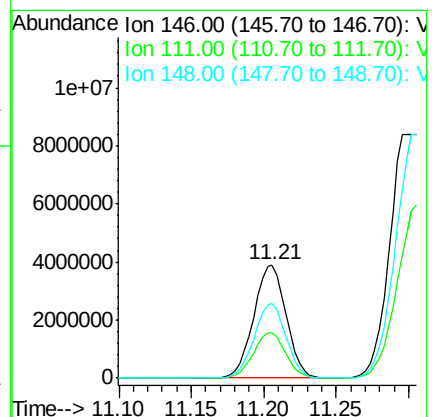
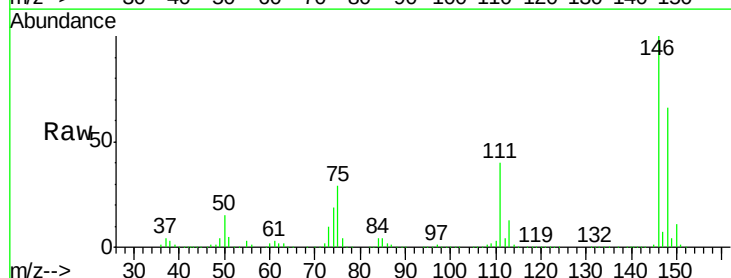
Instrument :
MSVOA_V
ClientSampled :
C0DL2

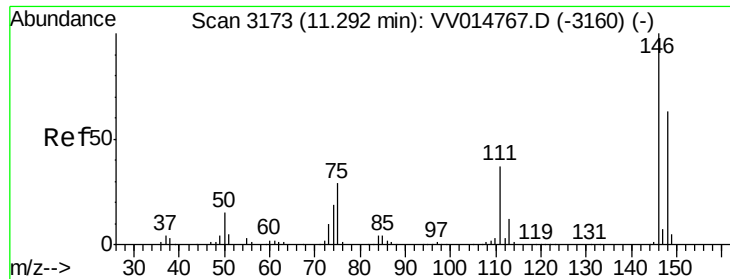
Tgt Ion: 43 Resp: 18183
Ion Ratio Lower Upper
43 100
58 31.6 43.3 64.9#
57 26.4 15.6 23.4#
100 0.0 8.7 13.1#



#62
1,3-Dichlorobenzene
Concen: 740.82 ug/L
RT: 11.21 min Scan# 3146
Delta R.T. 0.01 min
Lab File: VV014780.D
Acq: 09 Mar 2020 16:36

Tgt Ion: 146 Resp: 6063484
Ion Ratio Lower Upper
146 100
111 40.3 27.2 50.4
148 65.8 44.2 82.2

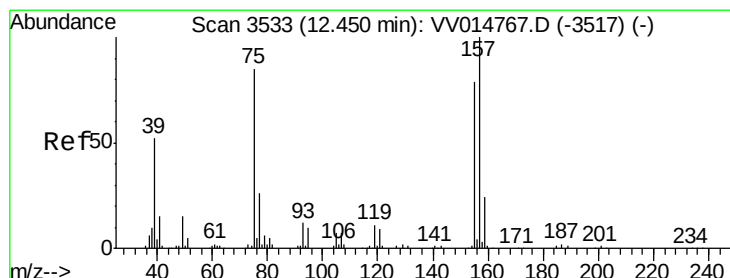
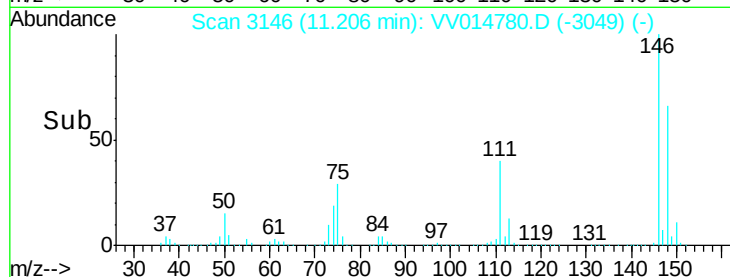
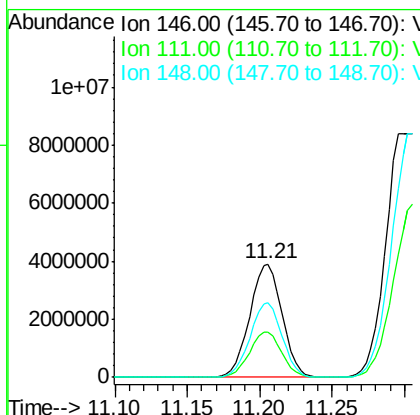
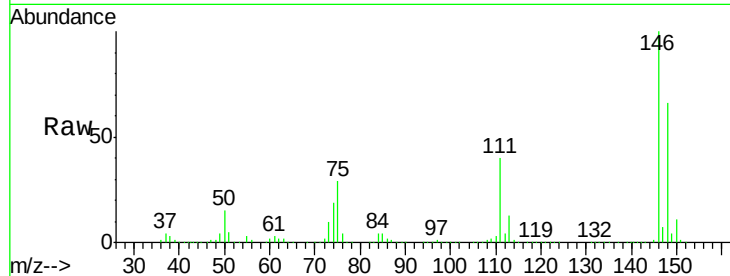




#63
 1,4-Dichlorobenzene
 Concen: 735.32 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. -0.09 min
 Lab File: VV014780.D
 Acq: 09 Mar 2020 16:36

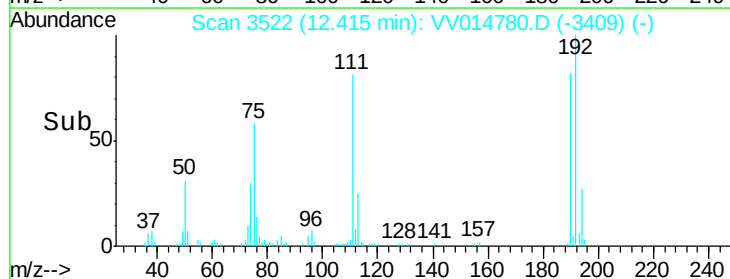
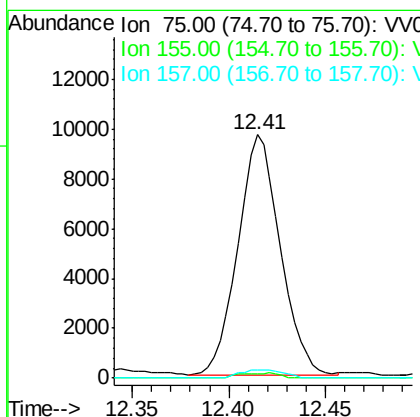
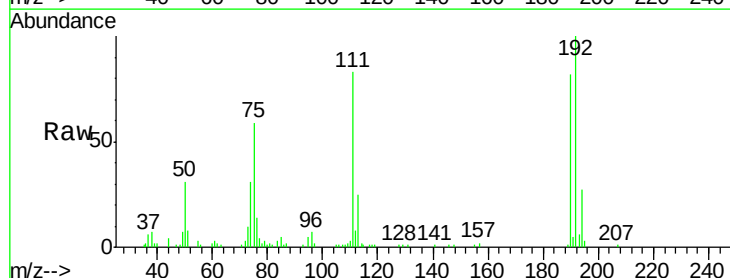
Instrument :
 MSVOA_V
 ClientSampleId :
 C0DL2

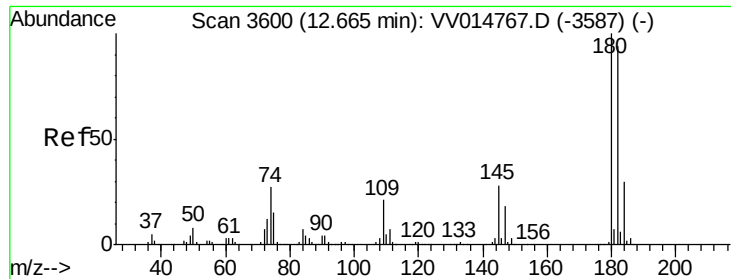
Tgt Ion:146 Resp: 6063484
 Ion Ratio Lower Upper
 146 100
 111 40.3 26.3 48.9
 148 65.8 44.0 81.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 10.57 ug/L
 RT: 12.41 min Scan# 3522
 Delta R.T. -0.04 min
 Lab File: VV014780.D
 Acq: 09 Mar 2020 16:36

Tgt Ion: 75 Resp: 14612
 Ion Ratio Lower Upper
 75 100
 155 1.7 66.4 99.6#
 157 3.6 86.1 129.1#

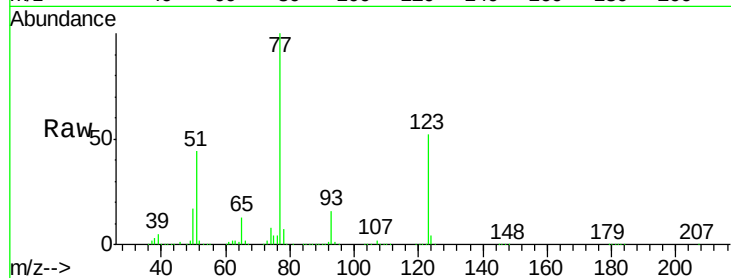




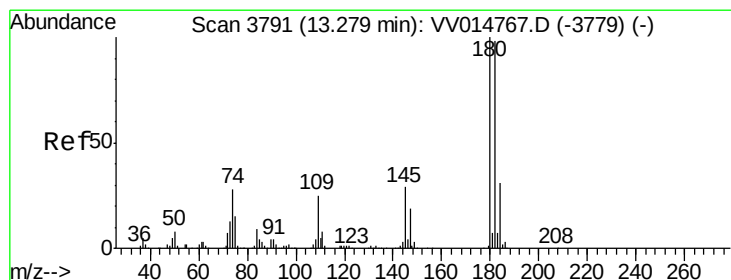
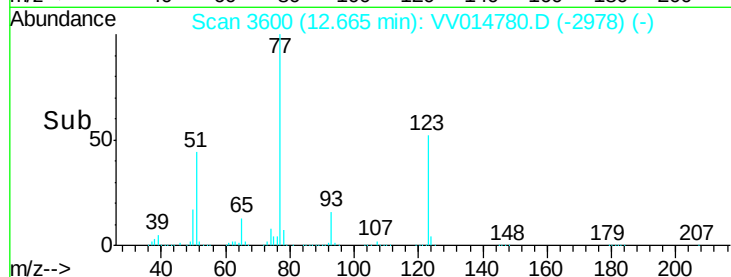
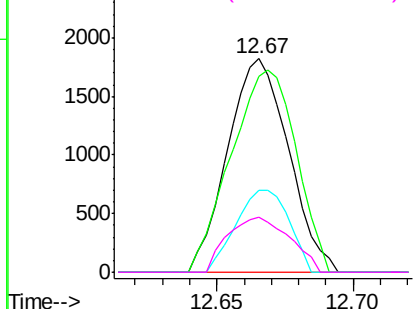
#67
 1,3,5-Trichlorobenzene
 Concen: 0.45 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV014780.D
 Acq: 09 Mar 2020 16:36

Instrument :
 MSVOA_V
 ClientSampled :
 C0DL2

Tgt Ion:180 Resp: 2827
 Ion Ratio Lower Upper
 180 100
 182 100.9 75.6 113.4
 184 33.4 24.8 37.2
 145 26.5 23.3 34.9

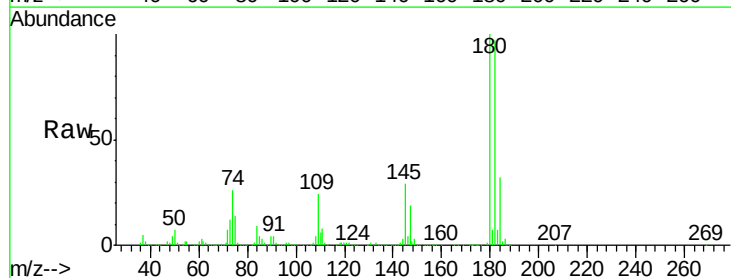


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

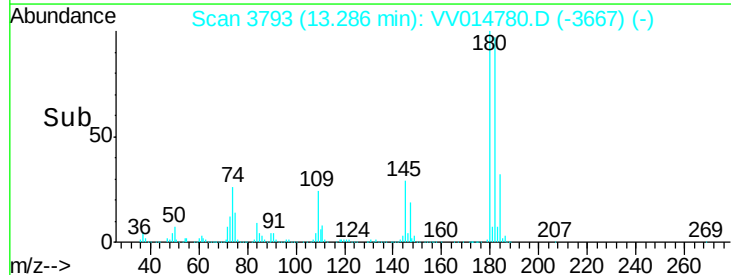
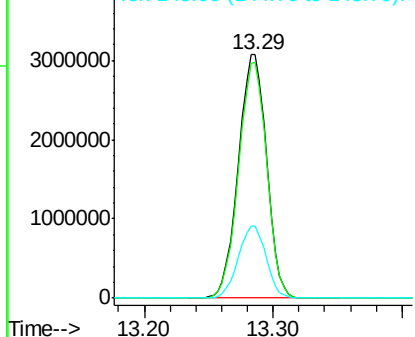


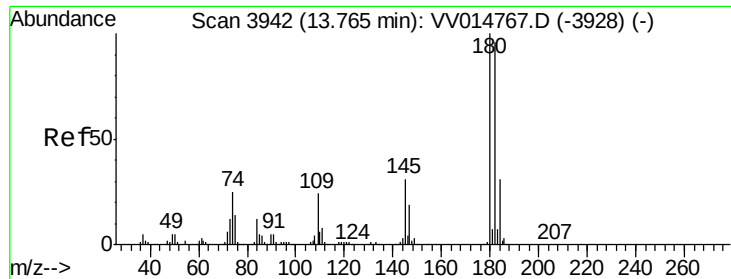
#68
 1,2,4-trichlorobenzene
 Concen: 804.17 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.01 min
 Lab File: VV014780.D
 Acq: 09 Mar 2020 16:36

Tgt Ion:180 Resp: 4678831
 Ion Ratio Lower Upper
 180 100
 182 96.3 76.6 114.8
 145 29.3 23.4 35.0



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

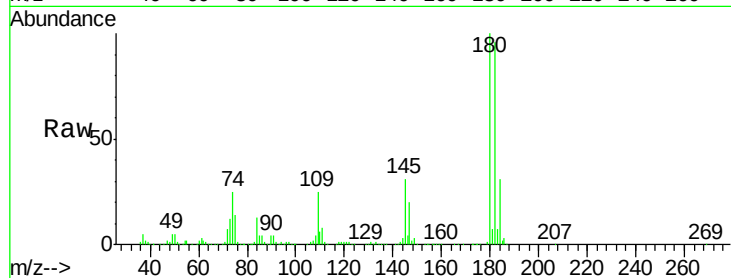




#70
 1,2,3-Trichlorobenzene
 Concen: 358.21 ug/L
 RT: 13.77 min Scan# 3942
 Delta R.T. 0.00 min
 Lab File: VV014780.D
 Acq: 09 Mar 2020 16:36

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DL2

Tgt Ion:180 Resp: 2077384
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.5 114.7
 145 31.0 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

