

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041020\
 Data File : VV015451.D
 Acq On : 10 Apr 2020 14:41
 Operator : SY/MD
 Sample : L2216-02DL 40X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 11 04:51:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Apr 11 04:49:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	115927	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	110539	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	54104	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	40107	6.66	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	133.20%#
7) Chloroethane-d5	1.58	69	33587	6.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	121.20%
11) 1,1-Dichloroethene-d2	2.12	63	54873	4.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.60%
20) 2-Butanone-d5	3.93	46	86979	51.50	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.00%
24) Chloroform-d	4.38	84	66413	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
26) 1,2-Dichloroethane-d4	5.06	65	37521	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.60%
32) Benzene-d6	5.08	84	136642	5.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.40%
36) 1,2-Dichloropropane-d6	6.10	67	42495	5.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.20%
41) Toluene-d8	7.34	98	128306	5.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.60%
43) trans-1,3-Dichloropropene-	7.65	79	17092	5.14	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.80%
46) 2-Hexanone-d5	8.11	63	65744	41.04	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.08%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	28873	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
64) 1,2-Dichlorobenzene-d4	11.65	152	45173	5.20	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.00%

Target Compounds

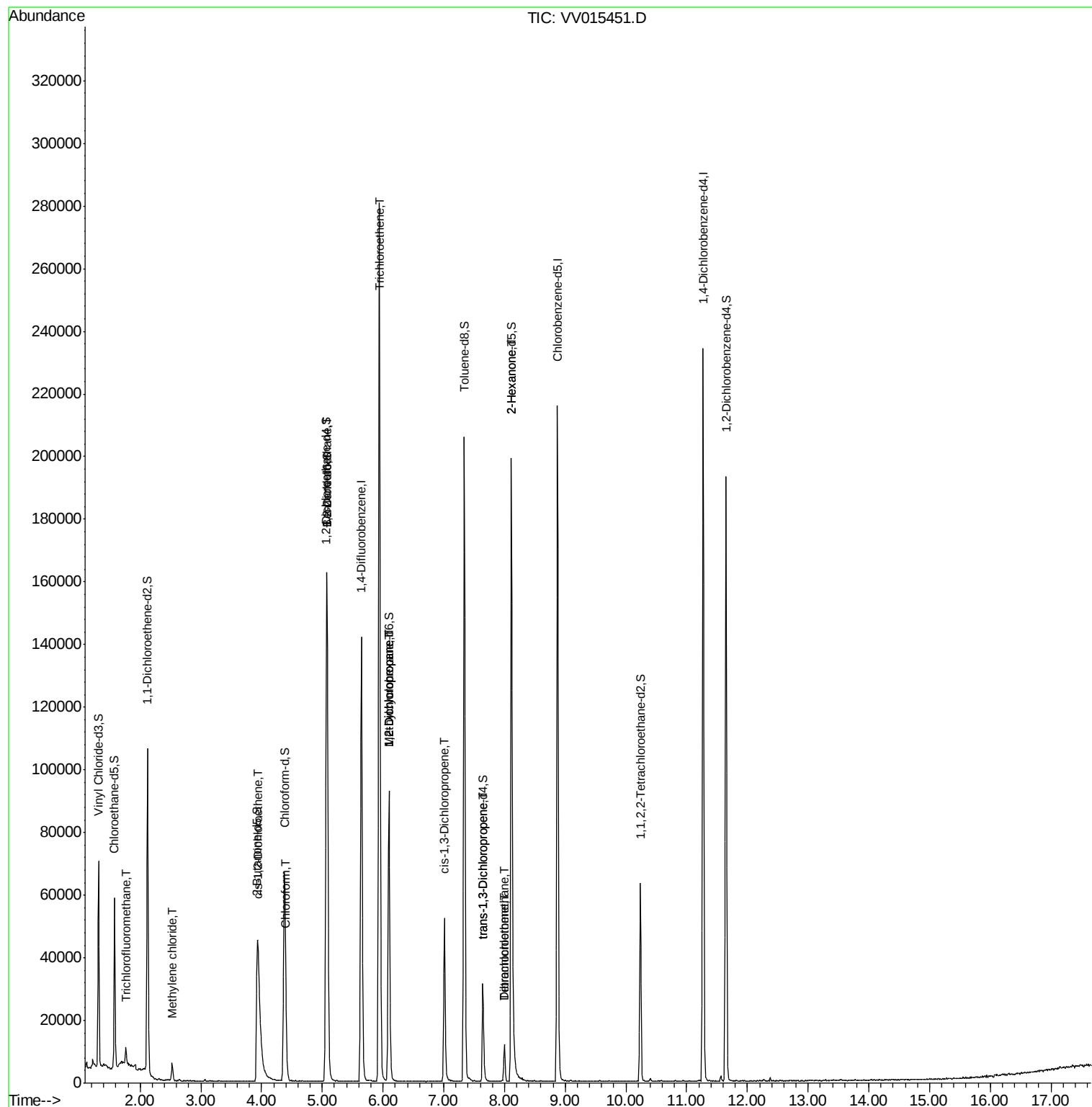
					Ovalue
9) Trichlorofluoromethane	1.77	101	3243	0.241 ug/L	97
16) Methylene chloride	2.53	84	2215	0.260 ug/L	91
22) cis-1,2-Dichloroethene	3.95	96	732	0.086 ug/L	88
25) Chloroform	4.41	83	4533	0.287 ug/L	96
27) 1,2-Dichloroethane	5.08	62	920	0.090 ug/L #	77
34) Trichloroethene	5.94	95	96418	10.828 ug/L	99
35) Methylcyclohexane	6.10	83	10529	0.702 ug/L #	15
37) 1,2-Dichloropropane	6.10	63	5196	0.633 ug/L #	86
39) cis-1,3-Dichloropropene	7.01	75	1361	0.108 ug/L #	59
44) trans-1,3-Dichloropropene	7.64	75	902	0.085 ug/L #	70
47) Tetrachloroethene	8.00	164	2488	0.377 ug/L	97
48) 2-Hexanone	8.11	43	9645	2.562 ug/L #	79
49) Dibromochloromethane	8.00	129	2613	0.395 ug/L #	10

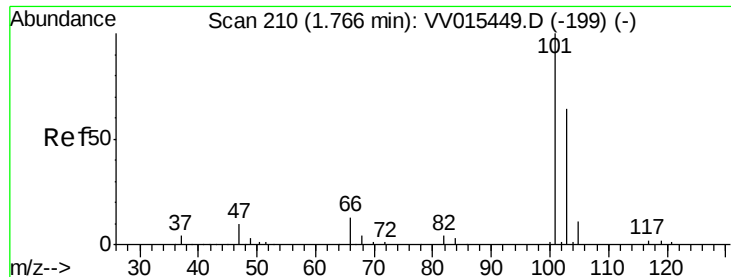
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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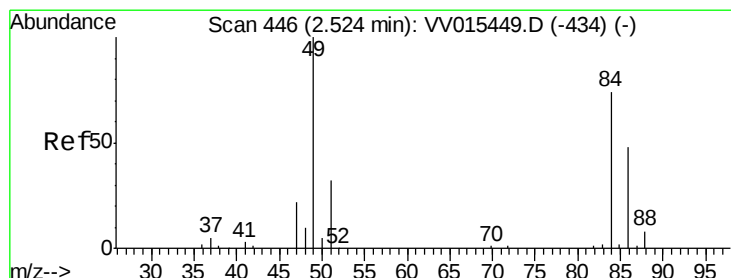
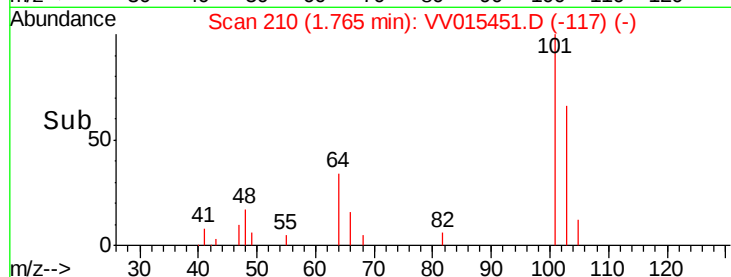
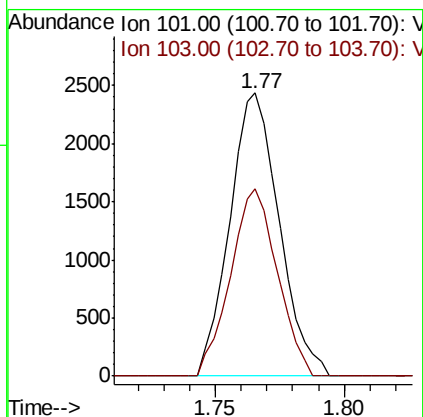
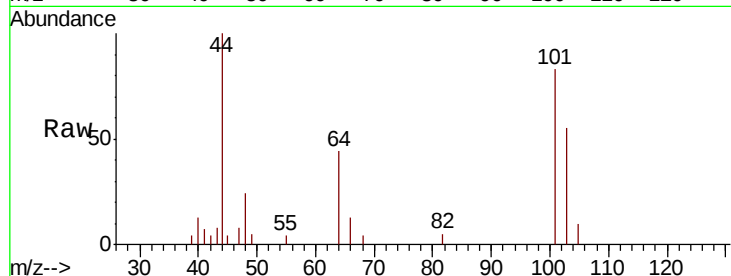


#9

Trichlorofluoromethane
 Concen: 0.241 ug/L
 RT: 1.77 min Scan# 210
 Delta R.T. -0.00 min
 Lab File: VV015451.D
 Acq: 10 Apr 2020 14:41

Instrument :
 MSVOA_V
 ClientSampled :

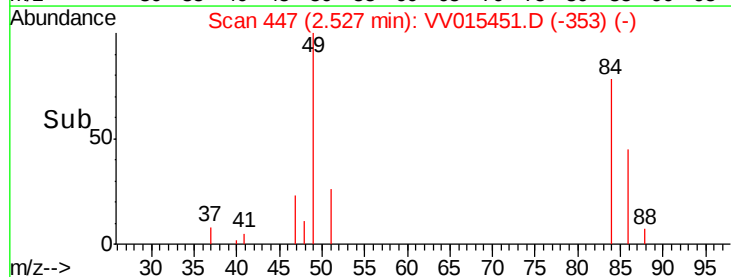
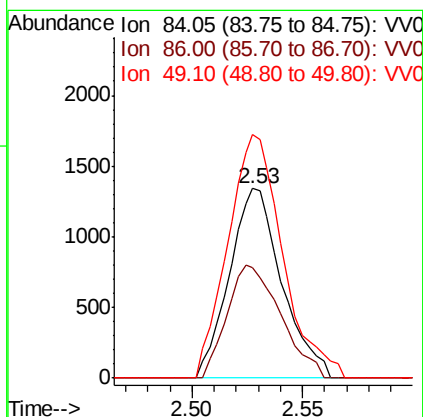
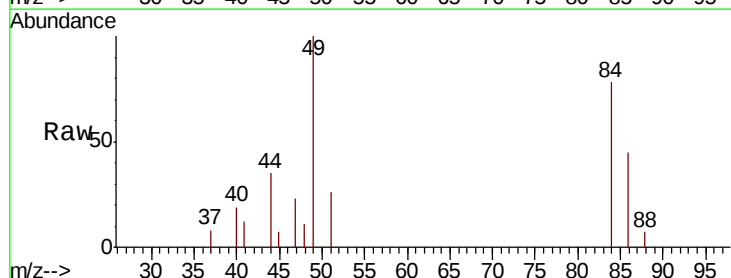
Tot Ion:101 Resp: 3243
 Ion Ratio Lower Upper
 101 100
 103 62.6 51.9 77.9

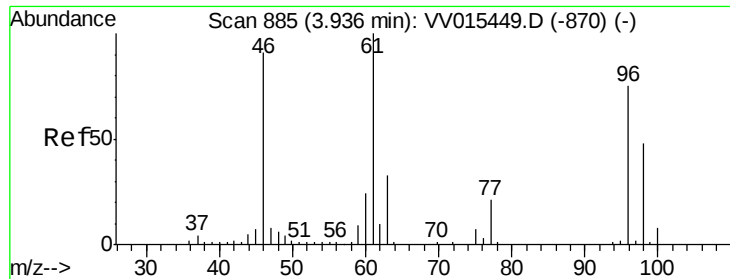


#16

Methylene chloride
 Concen: 0.260 ug/L
 RT: 2.53 min Scan# 447
 Delta R.T. 0.00 min
 Lab File: VV015451.D
 Acq: 10 Apr 2020 14:41

Tgt Ion: 84 Resp: 2215
 Ion Ratio Lower Upper
 84 100
 86 58.0 45.1 83.7
 49 128.4 97.9 181.7



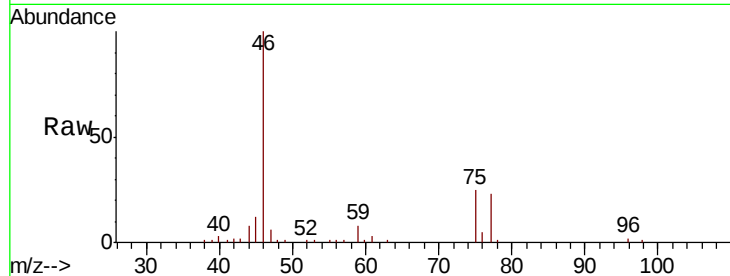


#22

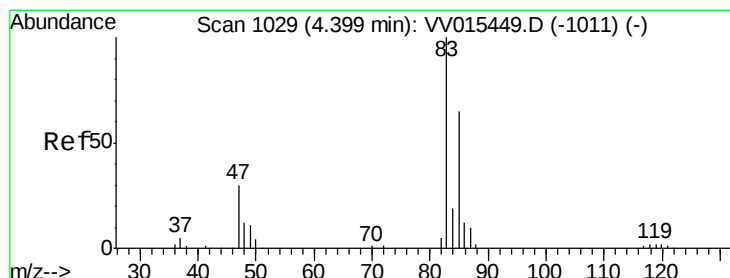
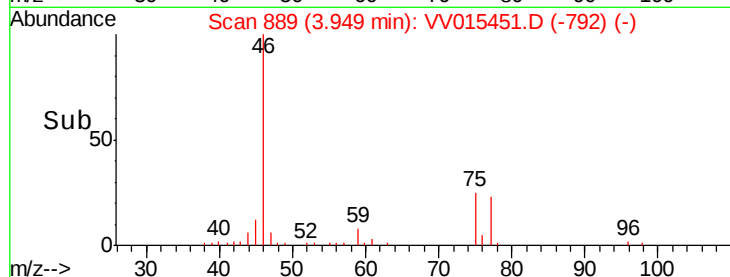
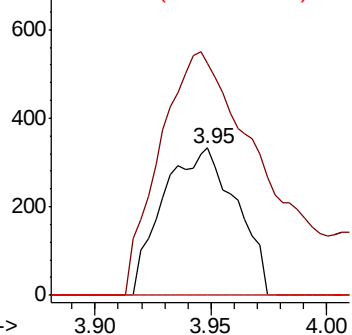
cis-1,2-Dichloroethene
 Concen: 0.086 ug/L
 RT: 3.95 min Scan# 889
 Delta R.T. 0.01 min
 Lab File: VV015451.D
 Acq: 10 Apr 2020 14:41

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 732
 Ion Ratio Lower Upper
 96 100
 61 157.4 100.0 185.8
 68 0.0 0.0 0.0



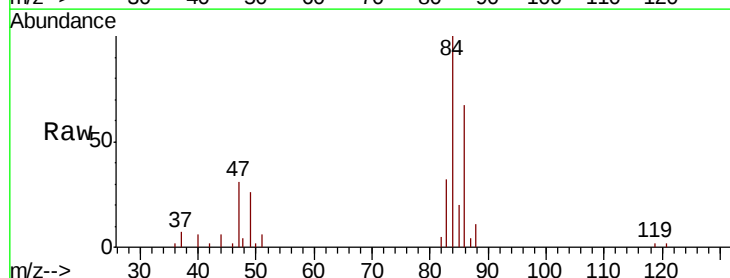
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



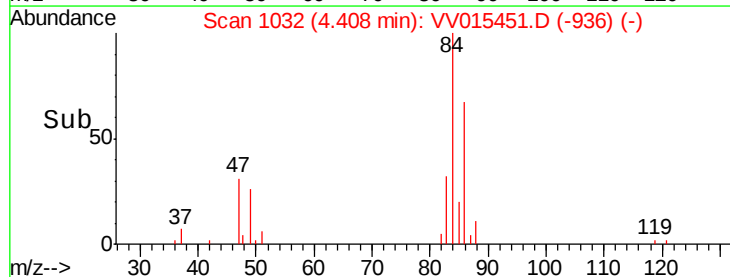
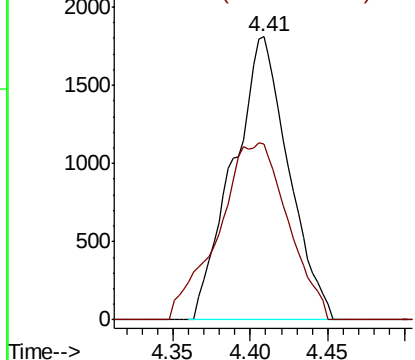
#25

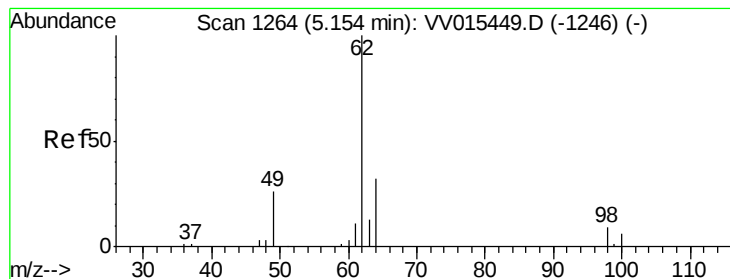
Chloroform
 Concen: 0.287 ug/L
 RT: 4.41 min Scan# 1032
 Delta R.T. 0.01 min
 Lab File: VV015451.D
 Acq: 10 Apr 2020 14:41

Tgt Ion: 83 Resp: 4533
 Ion Ratio Lower Upper
 83 100
 85 62.0 45.9 85.3



Abundance Ion 83.05 (82.75 to 83.75): VV0
 Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 0.090 ug/L

RT: 5.08 min Scan# 1240

Delta R.T. -0.08 min

Lab File: VV015451.D

Acq: 10 Apr 2020 14:41

Instrument :

MSVOA_V

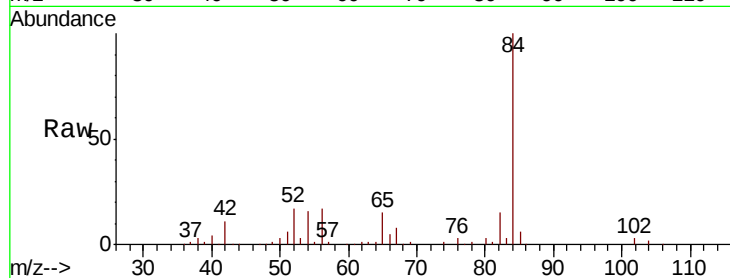
ClientSampleId :

Tot Ion: 62 Resp: 920

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0

5.08

400

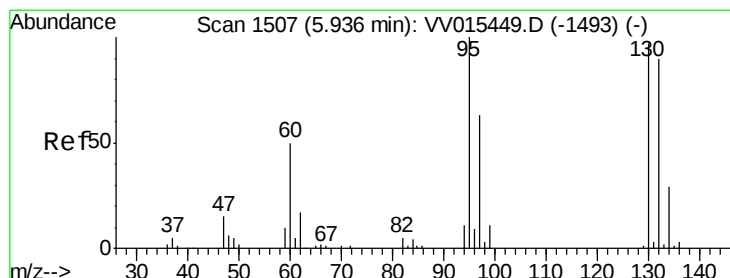
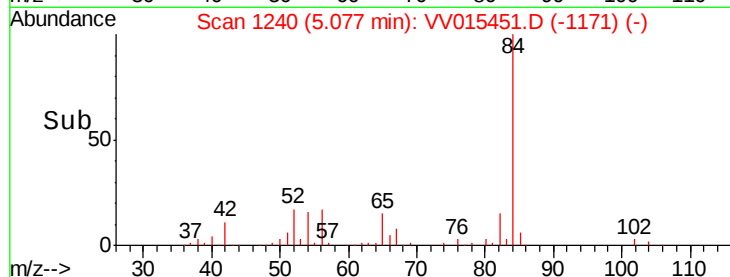
300

200

100

0

Time-->



#34

Trichloroethene

Concen: 10.828 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015451.D

Acq: 10 Apr 2020 14:41

Tgt Ion: 95 Resp: 96418

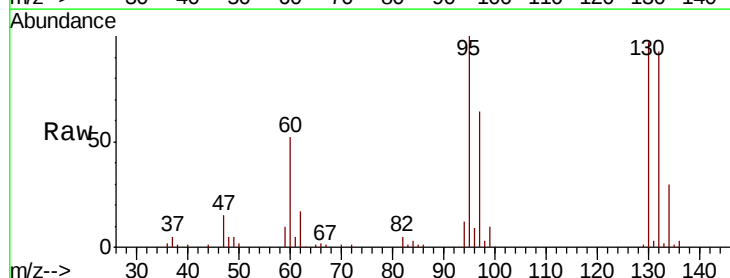
Ion Ratio Lower Upper

95 100

97 64.4 45.4 84.4

132 93.2 64.8 120.4

130 96.8 67.4 125.2



Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

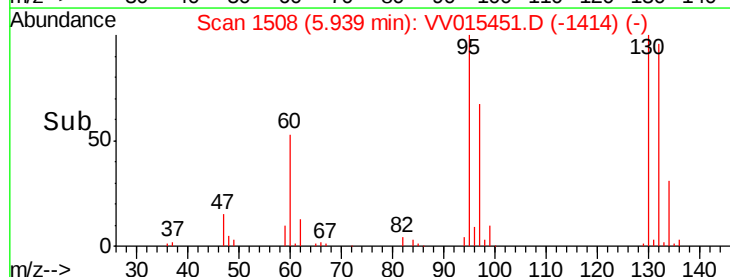
60000

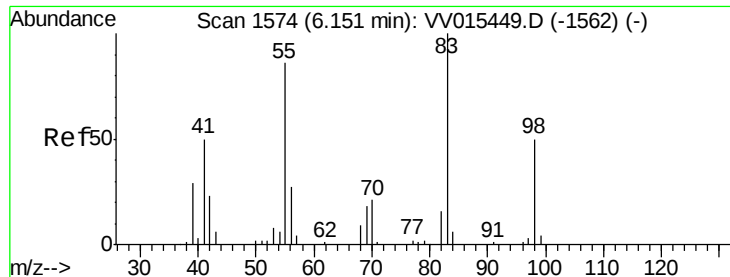
40000

20000

0

Time-->

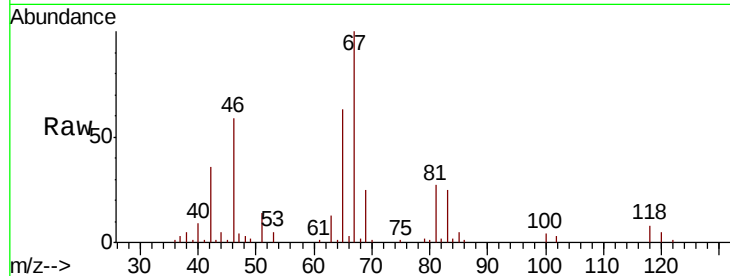




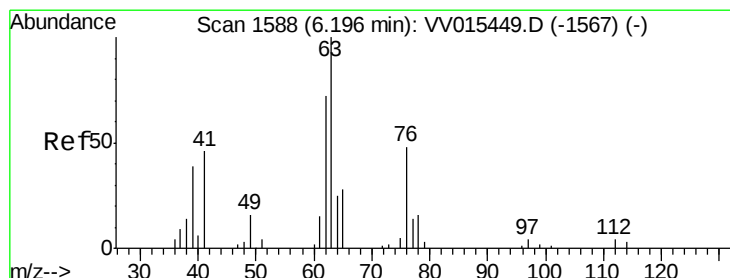
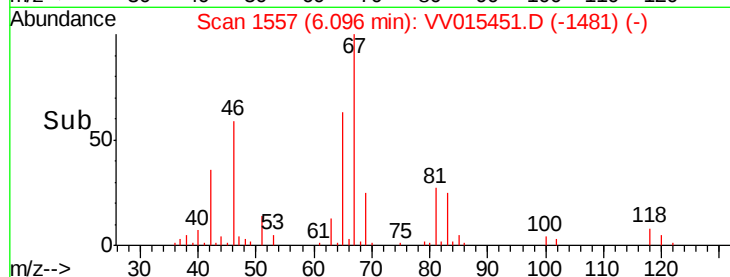
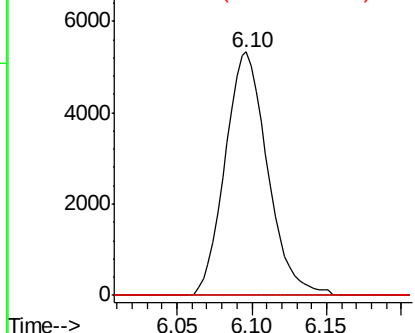
#35
Methvlcvclohexane
Concen: 0.702 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV015451.D
Acq: 10 Apr 2020 14:41

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 10529
Ion Ratio Lower Upper
83 100
55 0.0 66.6 99.8#
98 0.0 38.7 58.1#

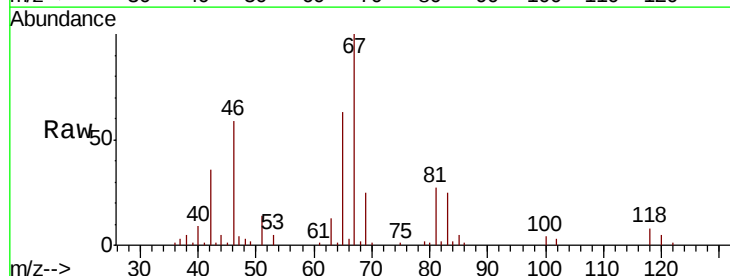


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

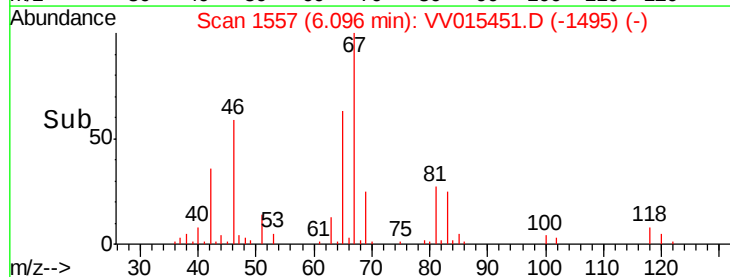
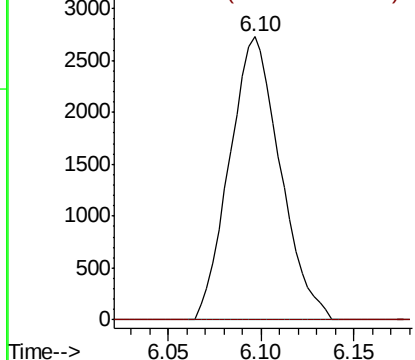


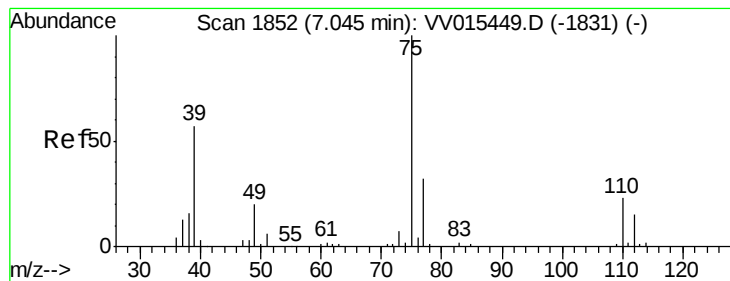
#37
1,2-Dichloropropane
Concen: 0.633 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV015451.D
Acq: 10 Apr 2020 14:41

Tgt Ion: 63 Resp: 5196
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V



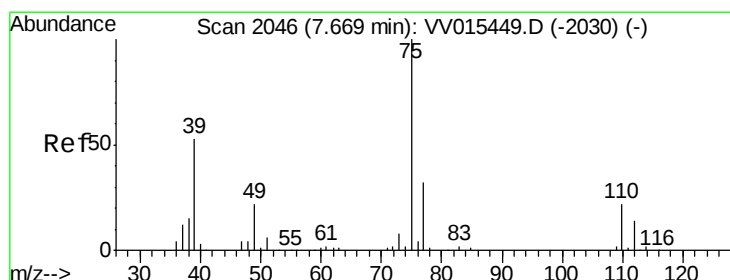
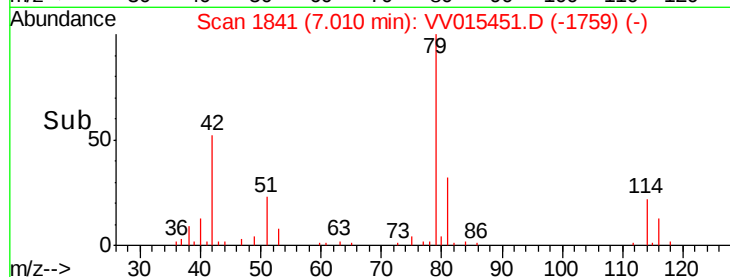
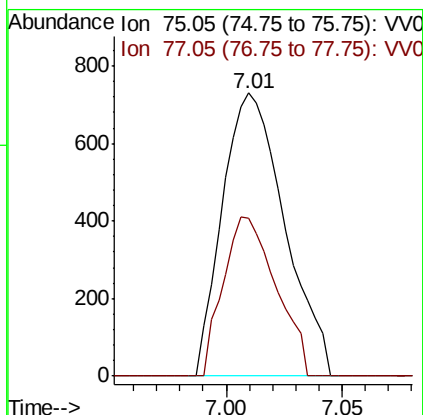
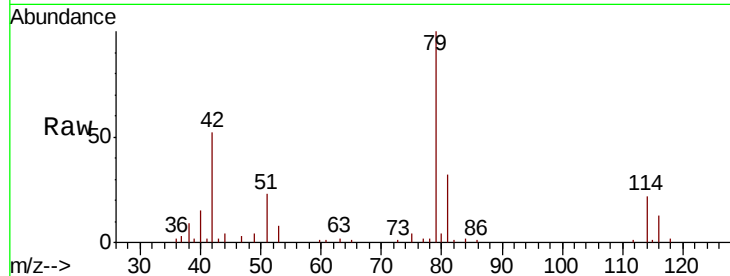


#39

cis-1,3-Dichloropropene
Concen: 0.108 ug/L
RT: 7.01 min Scan# 1841
Delta R.T. -0.04 min
Lab File: VV015451.D
Acq: 10 Apr 2020 14:41

Instrument :
MSVOA_V
ClientSampleId :

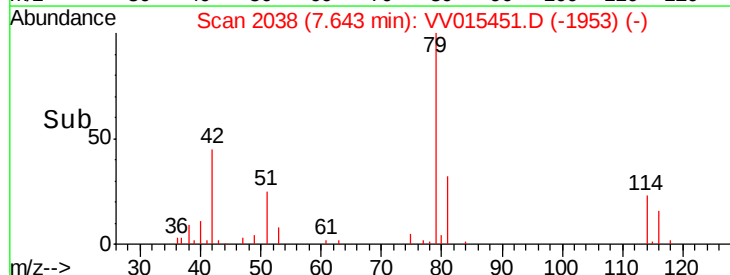
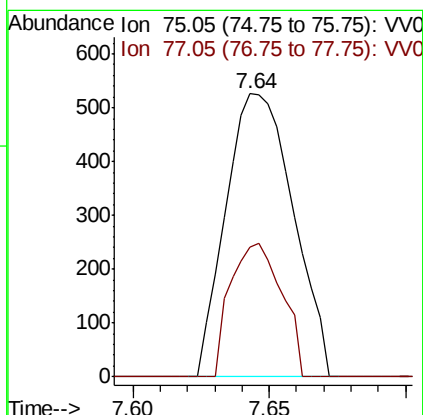
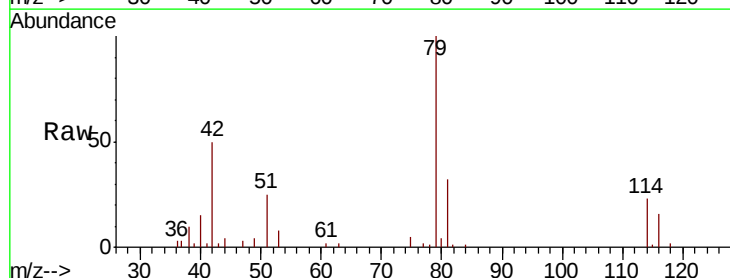
Tot Ion: 75 Resp: 1361
Ion Ratio Lower Upper
75 100
77 55.9 23.0 42.6#

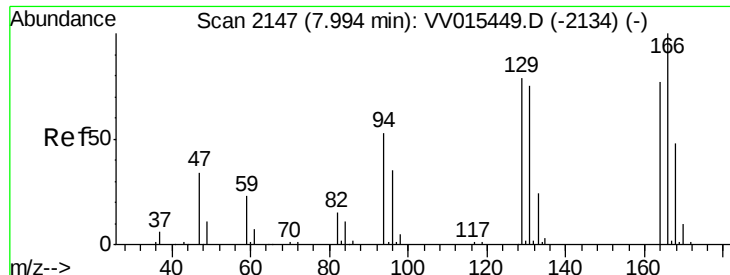


#44

trans-1,3-Dichloropropene
Concen: 0.085 ug/L
RT: 7.64 min Scan# 2038
Delta R.T. -0.03 min
Lab File: VV015451.D
Acq: 10 Apr 2020 14:41

Tgt Ion: 75 Resp: 902
Ion Ratio Lower Upper
75 100
77 46.0 21.0 39.0#





#47

Tetrachloroethene

Concen: 0.377 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.01 min

Lab File: VV015451.D

Acq: 10 Apr 2020 14:41

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 2488

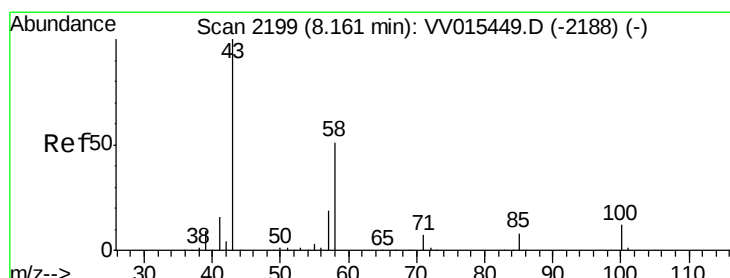
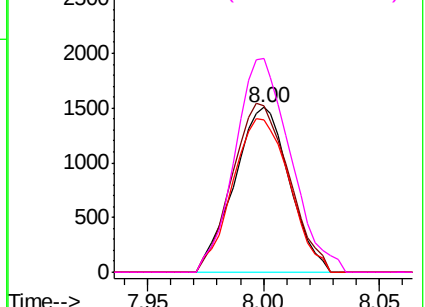
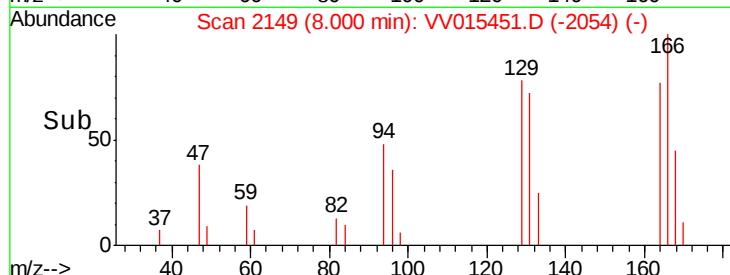
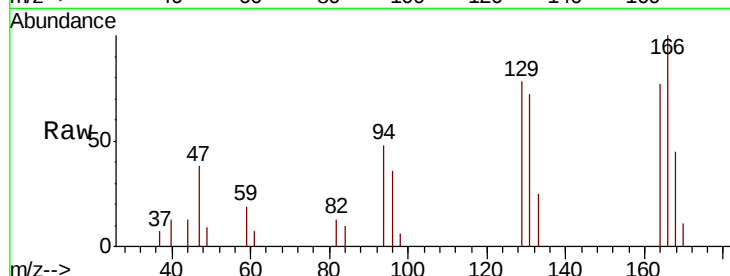
Ion Ratio Lower Upper

164 100

129 101.3 70.6 131.0

131 92.8 68.3 126.8

166 129.6 88.3 163.9



#48

2-Hexanone

Concen: 2.562 ug/L

RT: 8.11 min Scan# 2184

Delta R.T. -0.05 min

Lab File: VV015451.D

Acq: 10 Apr 2020 14:41

Tgt Ion: 43 Resp: 9645

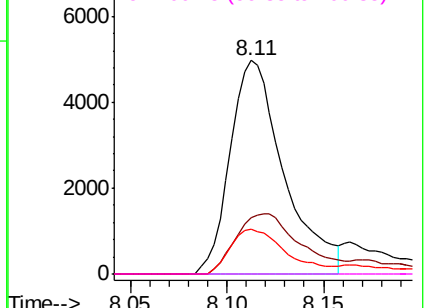
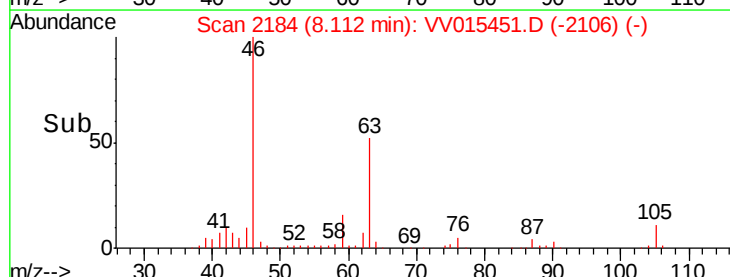
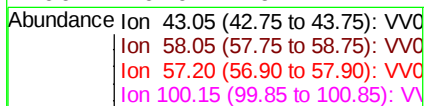
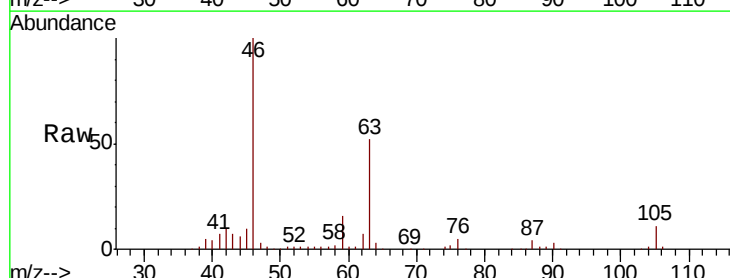
Ion Ratio Lower Upper

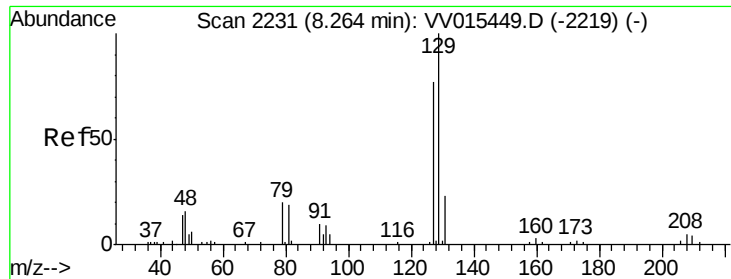
43 100

58 34.5 41.4 62.0#

57 21.8 15.0 22.4

100 0.0 9.4 14.2#





#49

Dibromochloromethane

Concen: 0.395 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV015451.D

Acq: 10 Apr 2020 14:41

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 2613

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#

