

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050820\
 Data File : VV015977.D
 Acq On : 08 May 2020 19:50
 Operator : SY/MD
 Sample : L2520-20
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 09 00:52:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat May 09 00:44:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	139463	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	136053	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	63590	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	32131	4.25	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.00%
7) Chloroethane-d5	1.58	69	34394	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.00%
11) 1,1-Dichloroethene-d2	2.12	63	55356	3.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.00%
20) 2-Butanone-d5	3.92	46	111401	51.62	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.24%
24) Chloroform-d	4.38	84	74915	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
26) 1,2-Dichloroethane-d4	5.06	65	48843	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.00%
32) Benzene-d6	5.08	84	159061	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	6.09	67	50579	5.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.40%
41) Toluene-d8	7.34	98	142186	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
45) trans-1,3-Dichloropropene-	7.65	79	15969	4.12	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.40%
48) 2-Hexanone-d5	8.11	63	81383	47.77	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.54%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	35661	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	53731	5.21	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.20%

Target Compounds

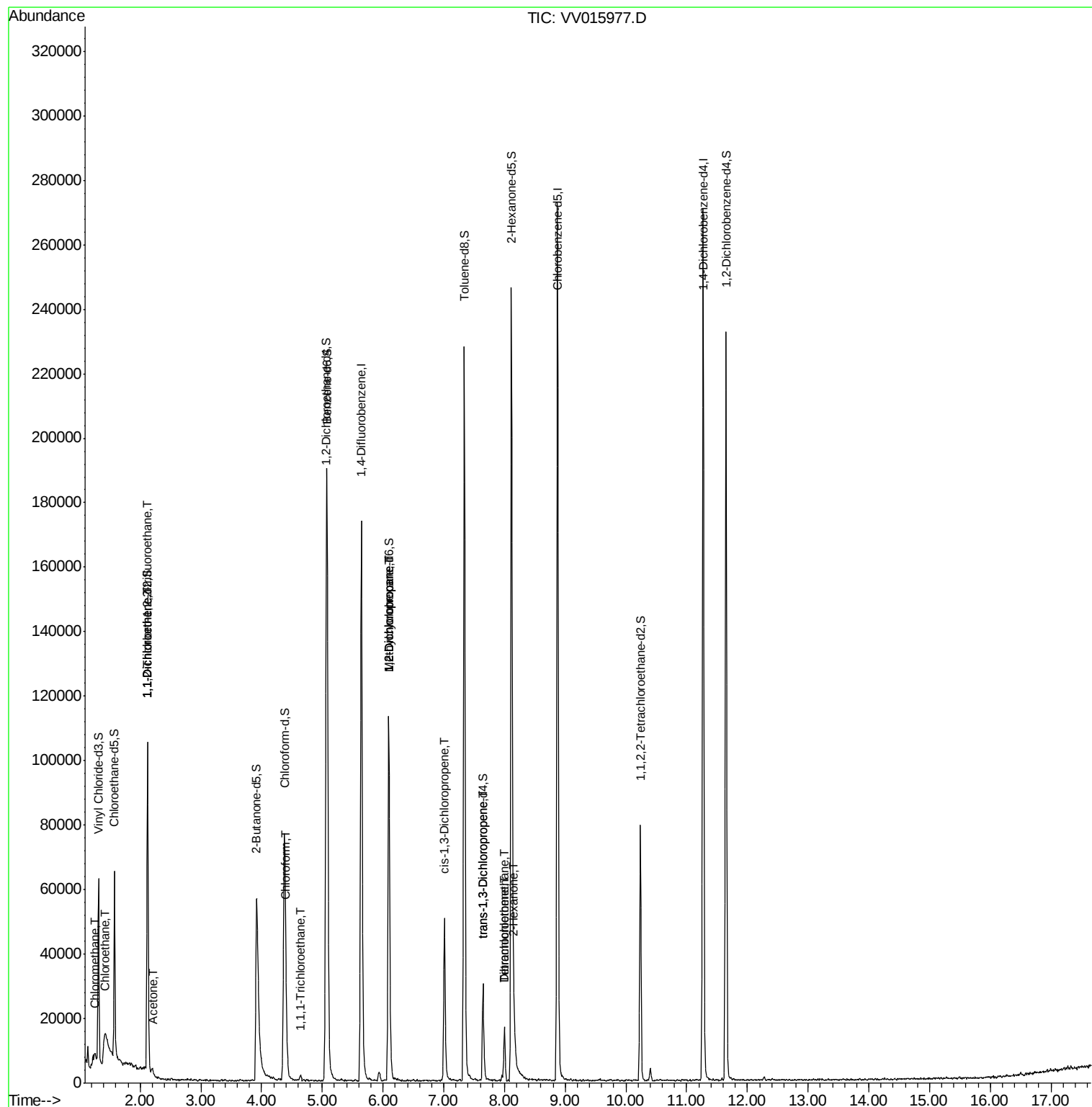
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	845	0.078	ug/L	98
8) Chloroethane	1.42	64	8499	1.153	ug/L #	51
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	898	0.112	ug/L #	45
12) 1,1-Dichloroethene	2.13	96	1223	0.159	ug/L #	1
13) Acetone	2.20	43	3994	2.805	ug/L	80
25) Chloroform	4.41	83	11043	0.614	ug/L	99
29) 1,1,1-Trichloroethane	4.63	97	1268	0.085	ug/L #	82
35) Methylcyclohexane	6.10	83	12258	0.829	ug/L #	17
37) 1,2-Dichloropropane	6.10	63	6300	0.724	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	1288	0.105	ug/L #	51
46) trans-1,3-Dichloropropene	7.65	75	963	0.093	ug/L	93
49) Tetrachloroethene	8.00	164	3623	0.531	ug/L	91
50) 2-Hexanone	8.16	43	4417	1.152	ug/L #	41
51) Dibromochloromethane	8.00	129	3341	0.512	ug/L #	9

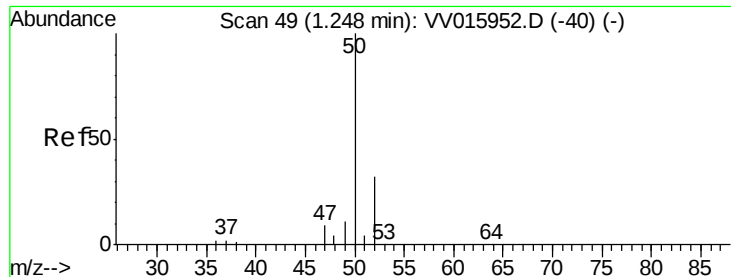
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat May 09 00:44:25 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.078 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV015977.D

Acq: 08 May 2020 19:50

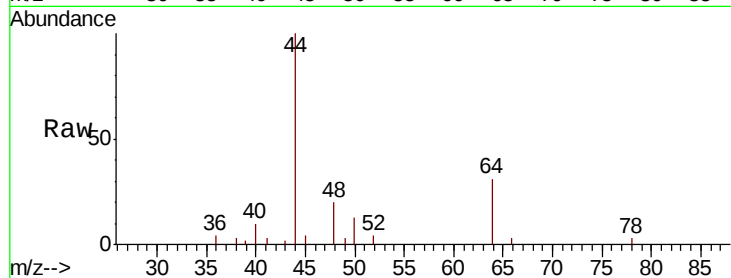
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 50 Resp: 845

Ion Ratio Lower Upper

50 100

52 31.4 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV015952.D (-40) (-)

Ion 52.05 (51.75 to 52.75): VV015952.D (-40) (-)

1.25

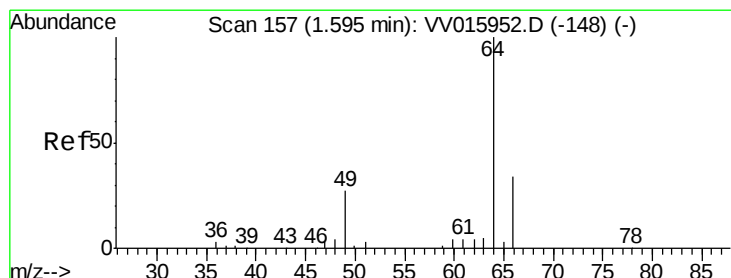
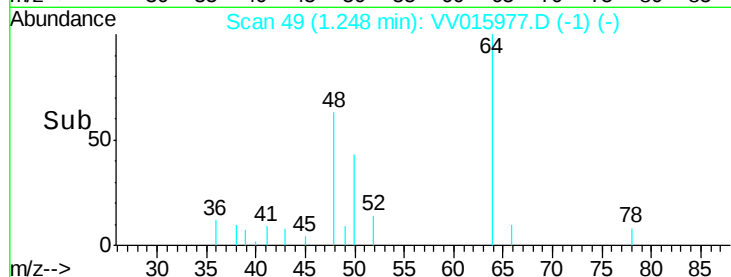
600

400

200

0

Time-->



#8

Chloroethane

Concen: 1.153 ug/L

RT: 1.42 min Scan# 101

Delta R.T. -0.18 min

Lab File: VV015977.D

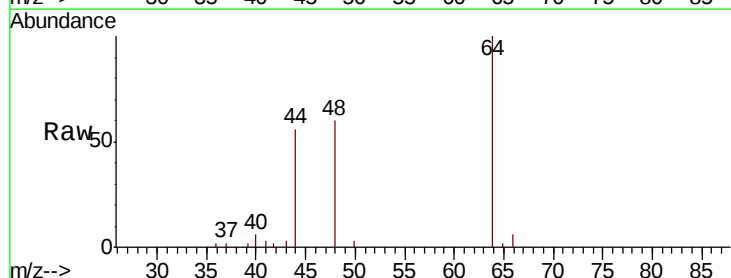
Acq: 08 May 2020 19:50

Tgt Ion: 64 Resp: 8499

Ion Ratio Lower Upper

64 100

66 5.5 23.6 43.8#



Abundance Ion 64.10 (63.80 to 64.80): VV015977.D (-64) (-)

Ion 66.05 (65.75 to 66.75): VV015977.D (-64) (-)

1.42

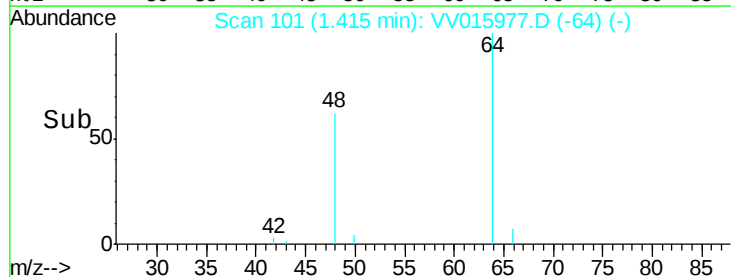
6000

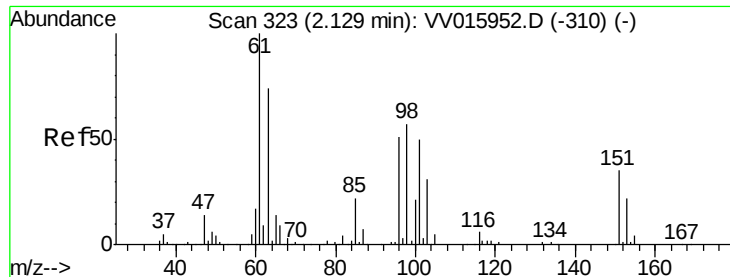
4000

2000

0

Time-->





#10

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

Concen: 0.112 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015977.D

Acq: 08 May 2020 19:50

Instrument :

MSVOA_V

ClientSampleId :

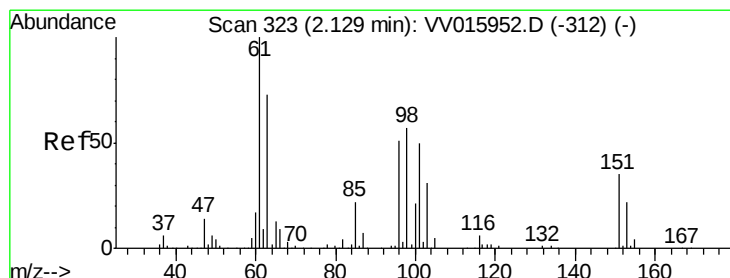
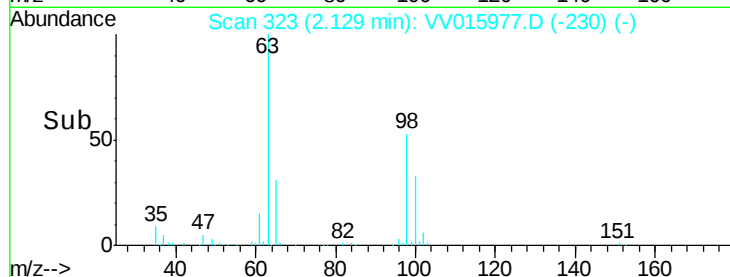
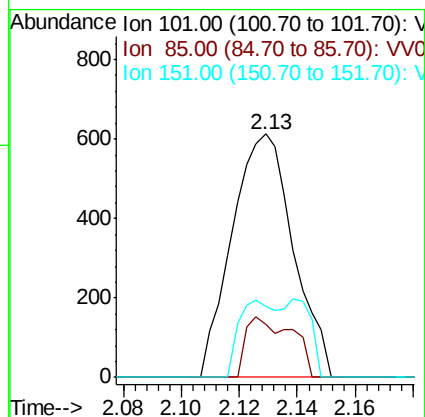
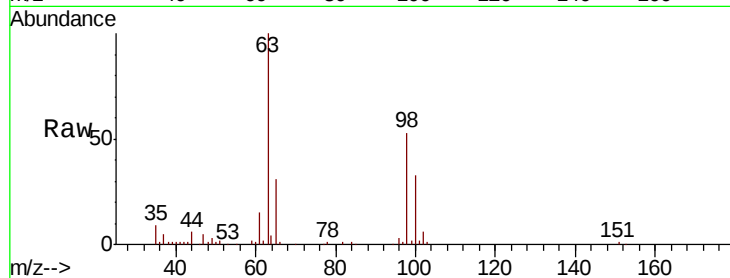
Tot Ion:101 Resp: 898

Ion Ratio Lower Upper

101 100

85 18.6 35.7 53.5#

151 18.5 58.0 87.0#



#12

1,1-Dichloroethene

Concen: 0.159 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015977.D

Acq: 08 May 2020 19:50

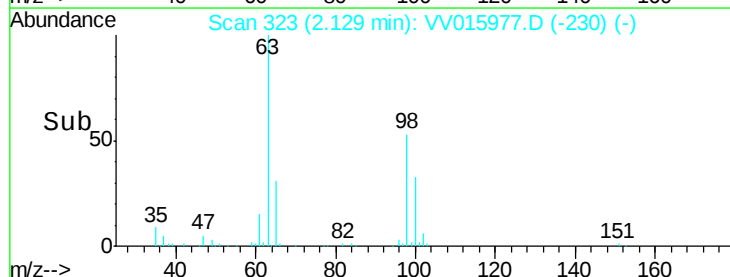
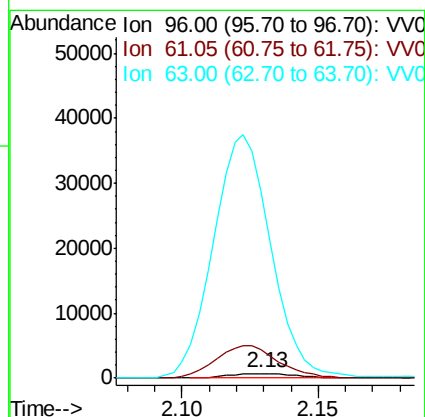
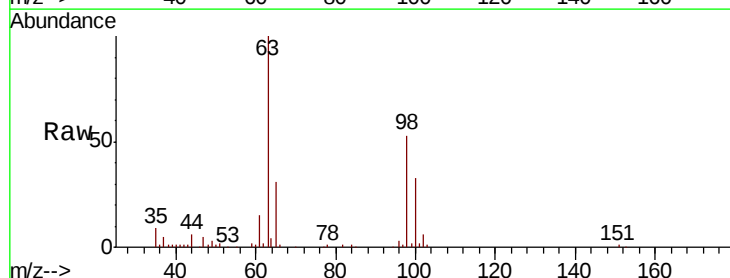
Tgt Ion: 96 Resp: 1223

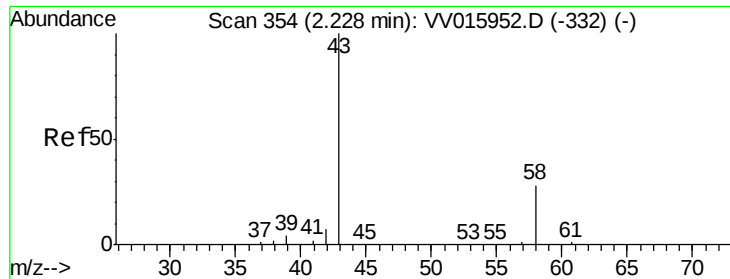
Ion Ratio Lower Upper

96 100

61 595.9 139.9 259.7#

63 3980.2 106.4 197.6#





#13

Acetone

Concen: 2.805 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.03 min

Lab File: VV015977.D

Acq: 08 May 2020 19:50

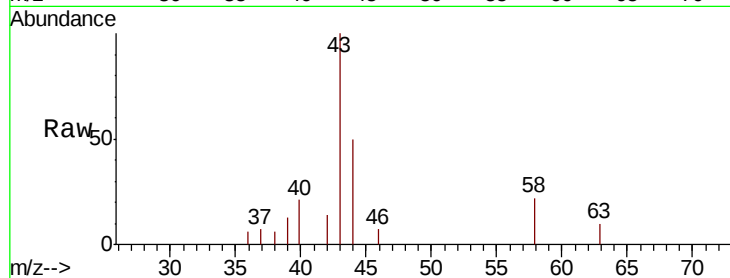
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 3994

Ion Ratio Lower Upper

43 100

58 23.9 0.0 30.8



Abundance Ion 43.05 (42.75 to 43.75): VV015977.D (-261) (-)

Ion 58.05 (57.75 to 58.75): VV015977.D (-261) (-)

2.20

1500

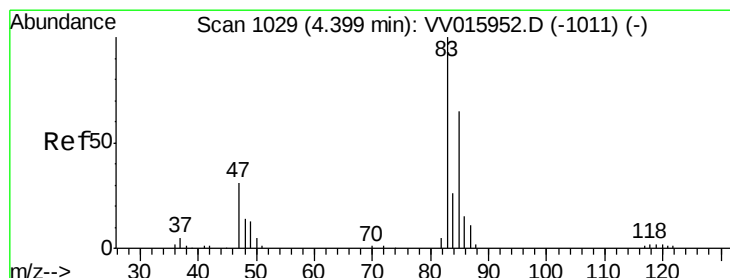
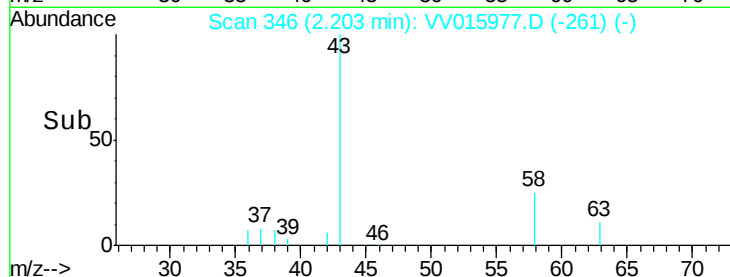
1000

500

0

Time-->

2.10 2.15 2.20 2.25 2.30



#25

Chloroform

Concen: 0.614 ug/L

RT: 4.41 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VV015977.D

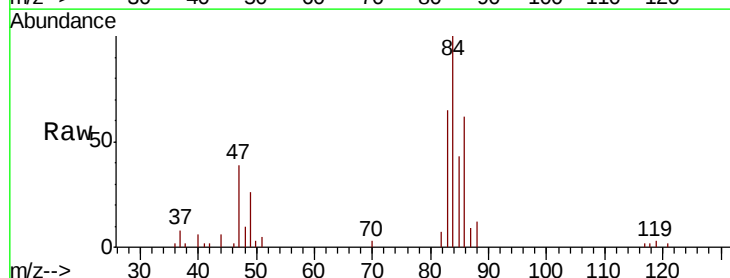
Acq: 08 May 2020 19:50

Tgt Ion: 83 Resp: 11043

Ion Ratio Lower Upper

83 100

85 66.0 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VV015977.D (-936) (-)

Ion 85.00 (84.70 to 85.70): VV015977.D (-936) (-)

4.41

4000

3000

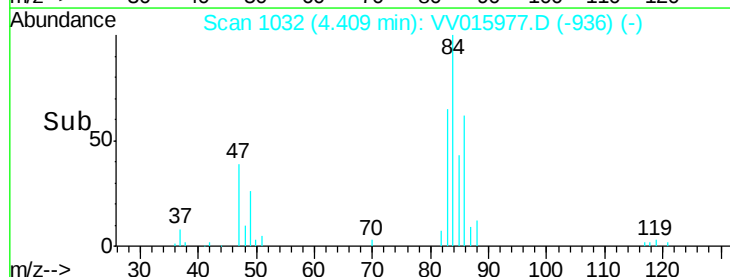
2000

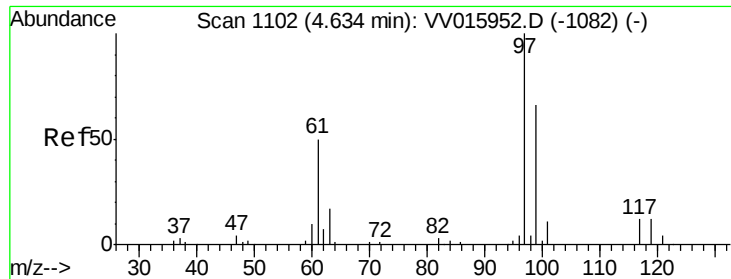
1000

0

Time-->

4.30 4.35 4.40 4.45 4.50

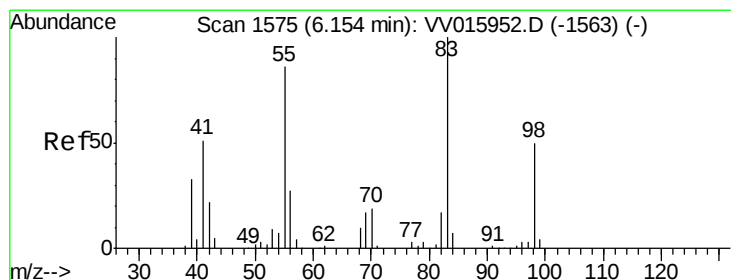
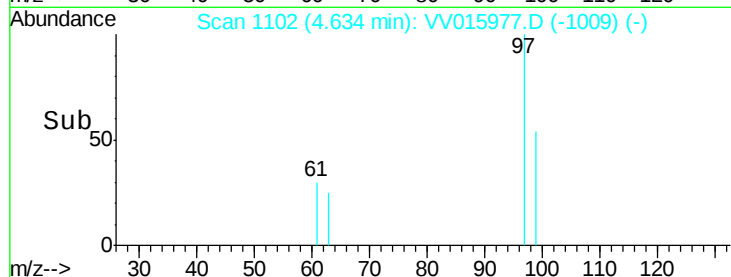
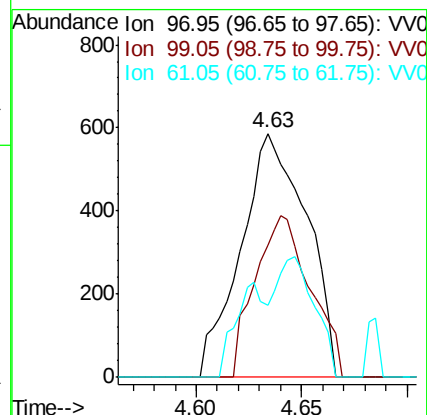
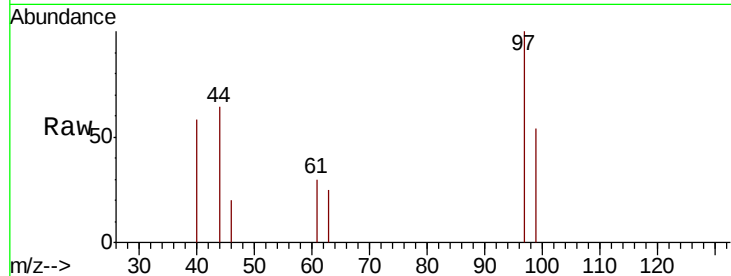




#29
 1,1,1-Trichloroethane
 Concen: 0.085 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VV015977.D
 Acq: 08 May 2020 19:50

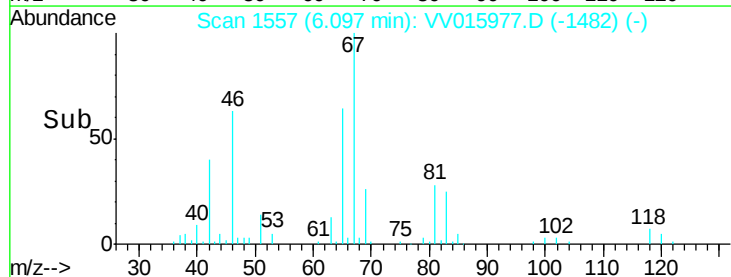
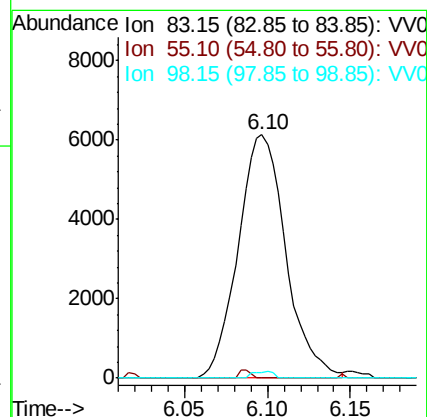
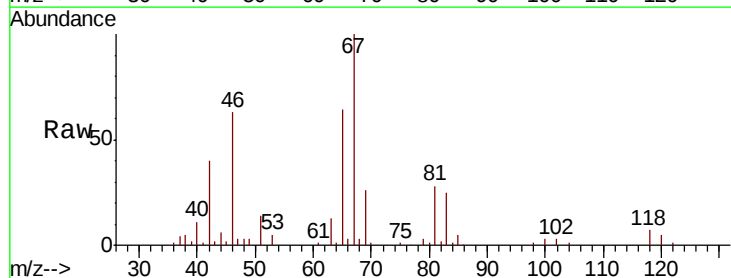
Instrument :
 MSVOA_V
 ClientSampleId :

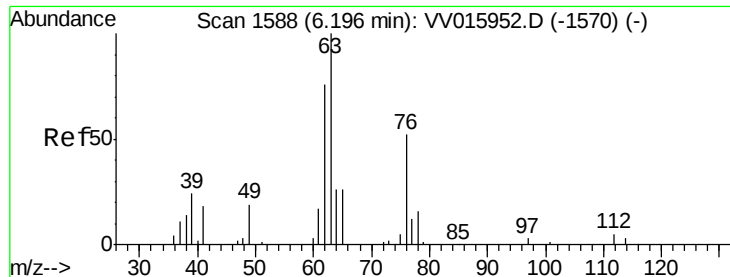
Tot Ion: 97 Resp: 1268
 Ion Ratio Lower Upper
 97 100
 99 55.5 50.7 76.1
 61 29.0 38.8 58.2#



#35
 Methylcyclohexane
 Concen: 0.829 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.06 min
 Lab File: VV015977.D
 Acq: 08 May 2020 19:50

Tgt Ion: 83 Resp: 12258
 Ion Ratio Lower Upper
 83 100
 55 0.8 66.2 99.2#
 98 1.2 37.9 56.9#

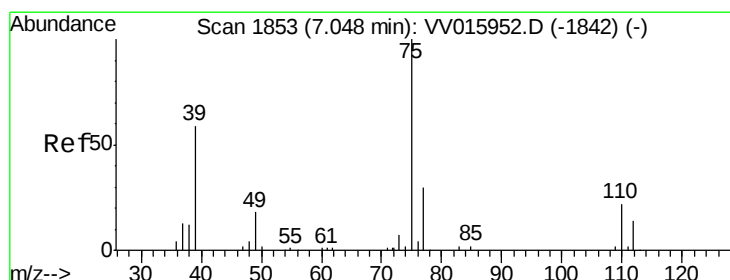
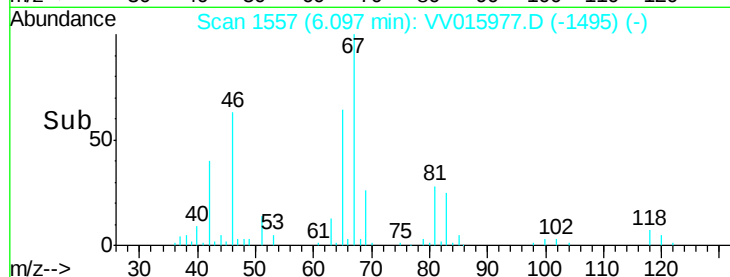
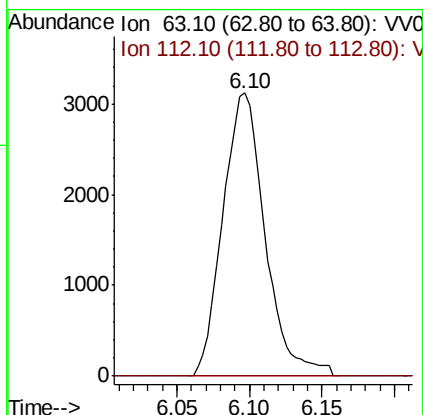
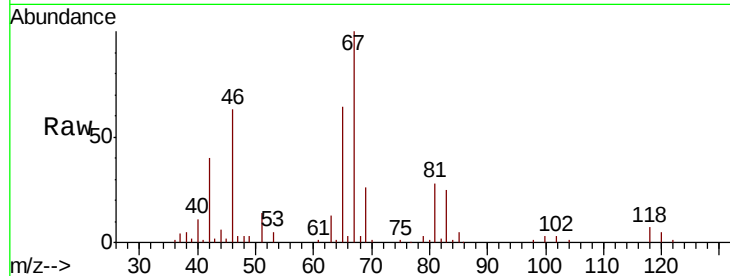




#37
 1,2-Dichloropropane
 Concen: 0.724 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV015977.D
 Acq: 08 May 2020 19:50

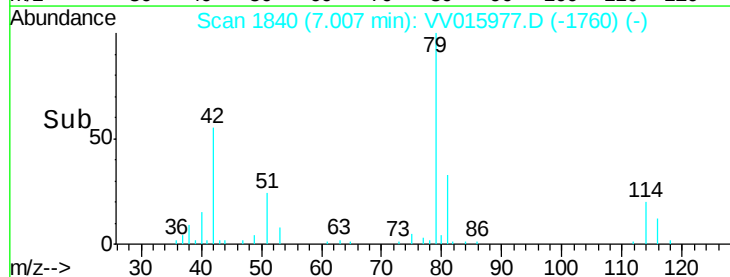
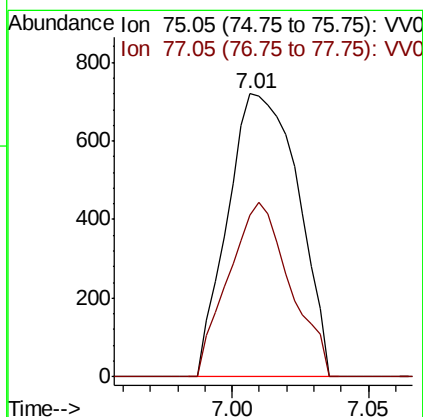
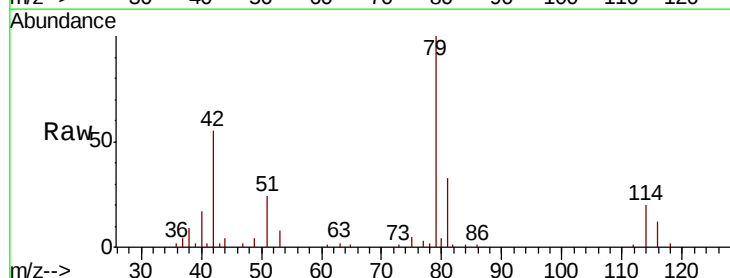
Instrument :
 MSVOA_V
 ClientSampleId :

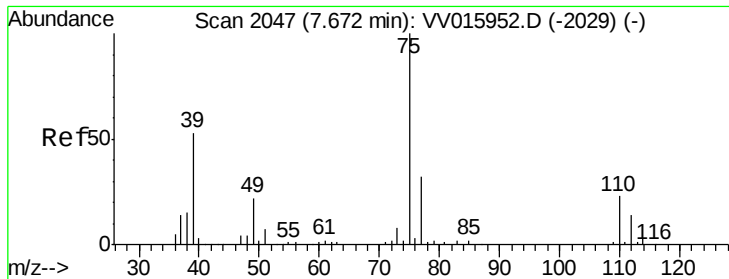
Tot Ion: 63 Resp: 6300
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0#



#39
 cis-1,3-Dichloropropene
 Concen: 0.105 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV015977.D
 Acq: 08 May 2020 19:50

Tgt Ion: 75 Resp: 1288
 Ion Ratio Lower Upper
 75 100
 77 57.2 21.3 39.5#





#46

trans-1,3-Dichloropropene

Concen: 0.093 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.03 min

Lab File: VV015977.D

Acq: 08 May 2020 19:50

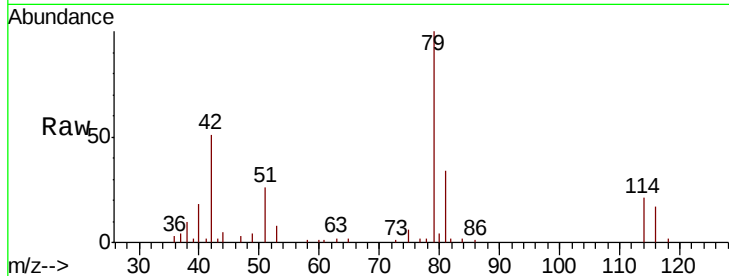
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 963

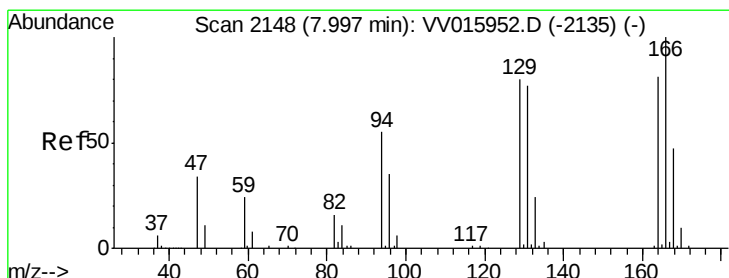
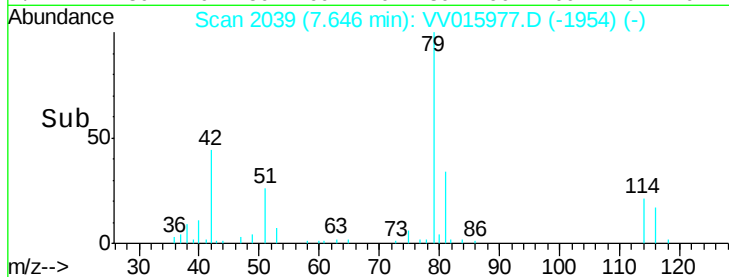
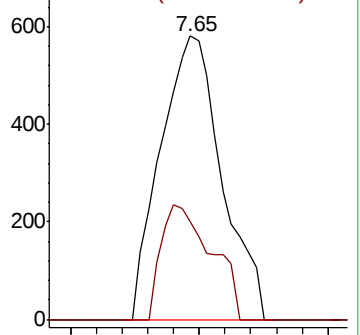
Ion Ratio Lower Upper

75 100

77 34.4 21.3 39.6



Abundance Ion 75.05 (74.75 to 75.75): VV015952.D (-2029) (-)



#49

Tetrachloroethene

Concen: 0.531 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV015977.D

Acq: 08 May 2020 19:50

Tgt Ion: 164 Resp: 3623

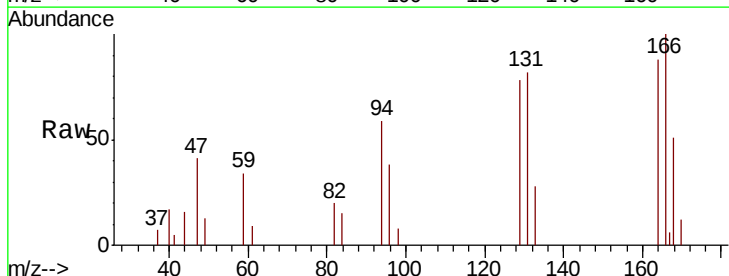
Ion Ratio Lower Upper

164 100

129 88.7 69.7 129.4

131 93.3 66.8 124.2

166 113.4 89.1 165.5

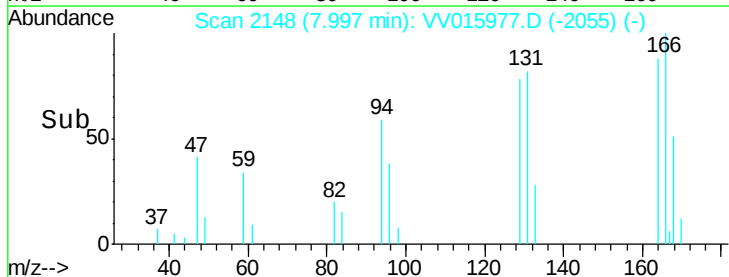
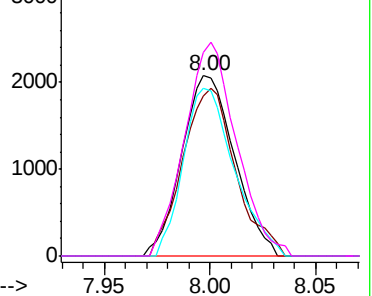


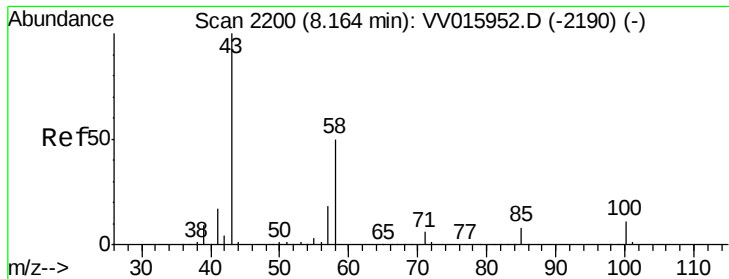
Abundance Ion 163.90 (163.60 to 164.60): VV015952.D (-2135) (-)

Ion 128.95 (128.65 to 129.65): VV015952.D (-2135) (-)

Ion 130.95 (130.65 to 131.65): VV015952.D (-2135) (-)

Ion 165.90 (165.60 to 166.60): VV015952.D (-2135) (-)

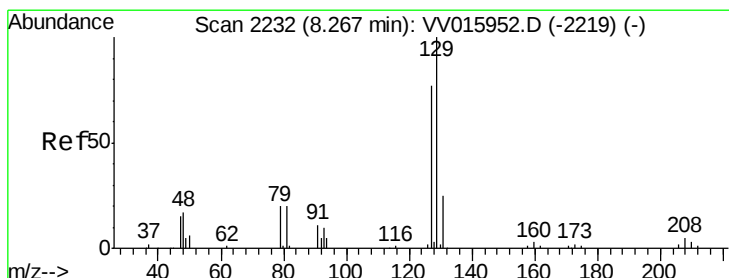
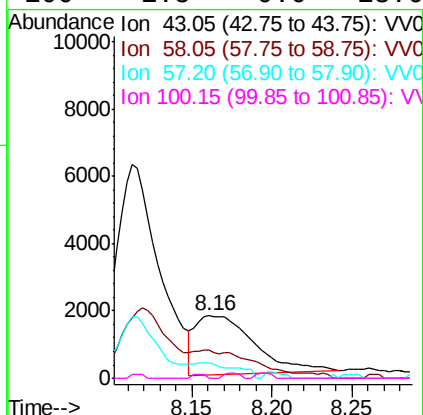
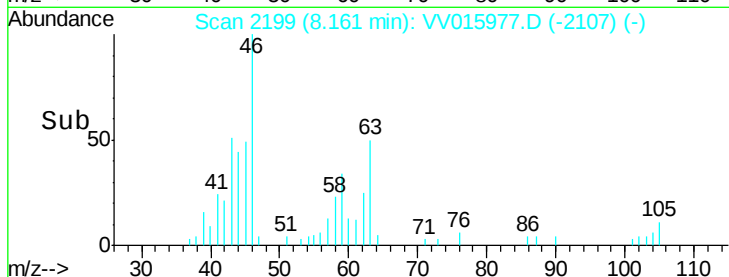
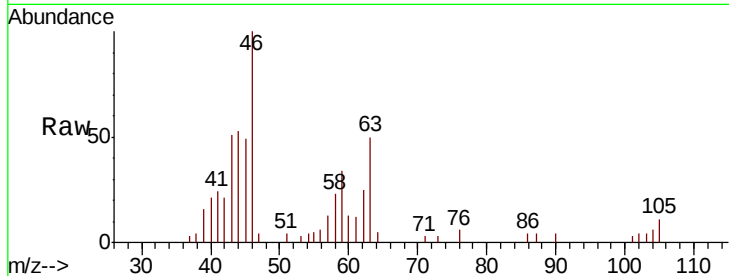




#50
2-Hexanone
Concen: 1.152 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. -0.00 min
Lab File: VV015977.D
Acq: 08 May 2020 19:50

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 4417
Ion Ratio Lower Upper
43 100
58 0.0 40.8 61.2#
57 0.0 14.7 22.1#
100 1.5 9.0 13.6#



#51
Dibromochloromethane
Concen: 0.512 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. -0.27 min
Lab File: VV015977.D
Acq: 08 May 2020 19:50

Tgt Ion: 129 Resp: 3341
Ion Ratio Lower Upper
129 100
127 0.0 56.0 104.0#

