

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042020\
 Data File : VV015573.D
 Acq On : 20 Apr 2020 11:24
 Operator : SY/MD
 Sample : L2333-12
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 21 00:08:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 21 00:05:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	96303	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	89504	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	42645	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	21226	4.25	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.00%
7) Chloroethane-d5	1.58	69	21712	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.40%
11) 1,1-Dichloroethene-d2	2.12	63	33752	3.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.20%
20) 2-Butanone-d5	3.94	46	73018	52.04	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.08%
24) Chloroform-d	4.37	84	52442	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.06	65	28865	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
32) Benzene-d6	5.07	84	97287	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.09	67	31135	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.80%
41) Toluene-d8	7.33	98	86201	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
43) trans-1,3-Dichloropropene-	7.64	79	8288	3.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	61.60%
46) 2-Hexanone-d5	8.11	63	50545	38.97	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	77.94%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	22428	4.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	31609	4.62	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.40%

Target Compounds

					Ovalue
3) Chloromethane	1.25	50	654	0.072 ug/L #	81
8) Chloroethane	1.53	64	5419	1.069 ug/L #	43
12) 1,1-Dichloroethene	2.13	96	3045	0.504 ug/L #	1
13) Acetone	2.22	43	1507	1.520 ug/L	80
16) Methylene chloride	2.52	84	786	0.111 ug/L	81
17) Methyl tert-butyl Ether	2.79	73	1503	0.093 ug/L #	61
19) 1,1-Dichloroethane	3.21	63	1049	0.082 ug/L #	79
22) cis-1,2-Dichloroethene	3.94	96	7907	1.118 ug/L	99
27) 1,2-Dichloroethane	5.07	62	664	0.078 ug/L #	77
34) Trichloroethene	5.94	95	23286	3.230 ug/L	97
35) Methylcyclohexane	6.09	83	7856	0.647 ug/L #	16
37) 1,2-Dichloropropane	6.10	63	4112	0.619 ug/L #	86
42) Toluene	7.41	91	3368	0.116 ug/L	90
47) Tetrachloroethene	8.00	164	2402	0.450 ug/L	94
48) 2-Hexanone	8.11	43	8121	2.664 ug/L #	88
49) Dibromochloromethane	8.00	129	2508	0.469 ug/L #	10

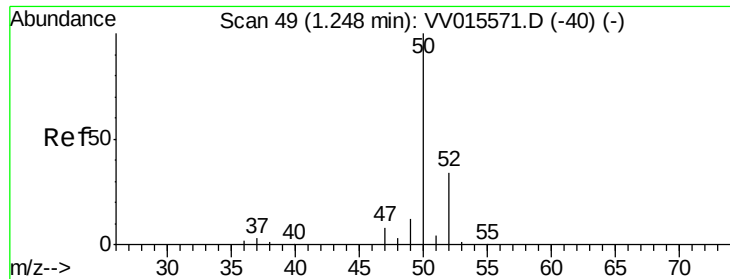
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042020\
Data File : VV015573.D
Acq On : 20 Apr 2020 11:24
Operator : SY/MD
Sample : L2333-12
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Apr 21 00:08:03 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Apr 21 00:05:52 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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



#3

Chloromethane

Concen: 0.072 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV015573.D

Acq: 20 Apr 2020 11:24

Instrument :

MSVOA_V

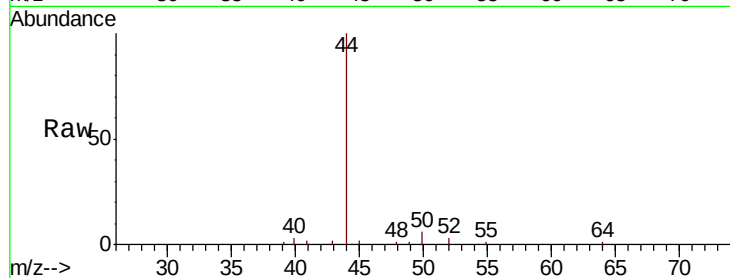
ClientSampled :

Tot Ion: 50 Resp: 654

Ion Ratio Lower Upper

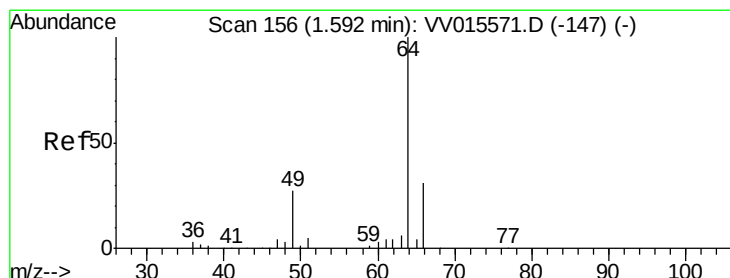
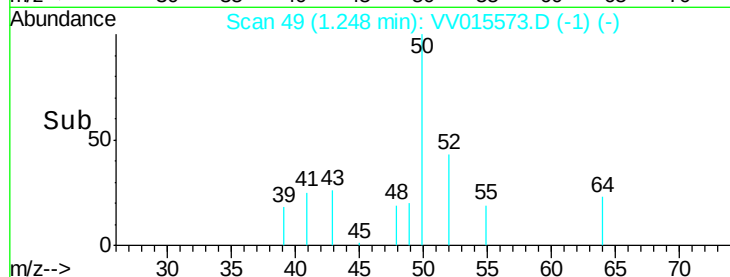
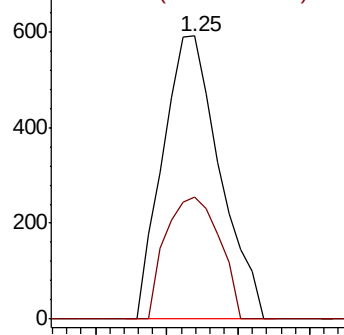
50 100

52 43.3 22.7 42.1#



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#8

Chloroethane

Concen: 1.069 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.06 min

Lab File: VV015573.D

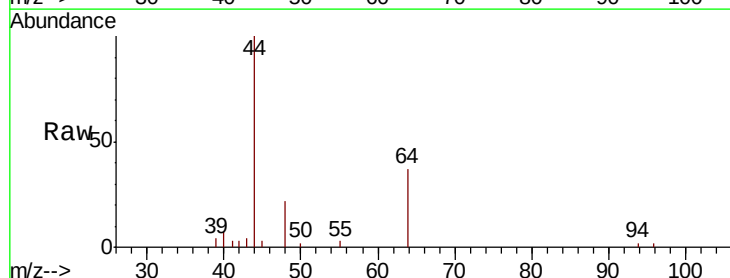
Acq: 20 Apr 2020 11:24

Tgt Ion: 64 Resp: 5419

Ion Ratio Lower Upper

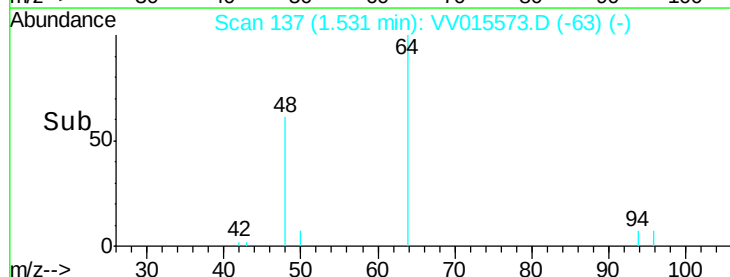
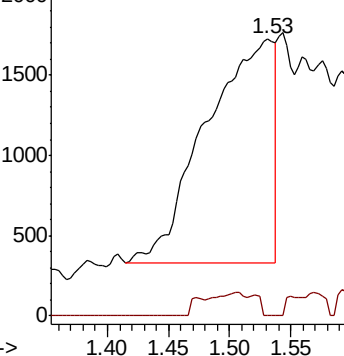
64 100

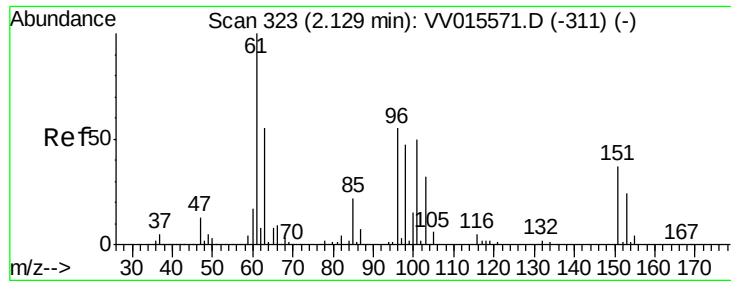
66 0.0 22.3 41.5#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

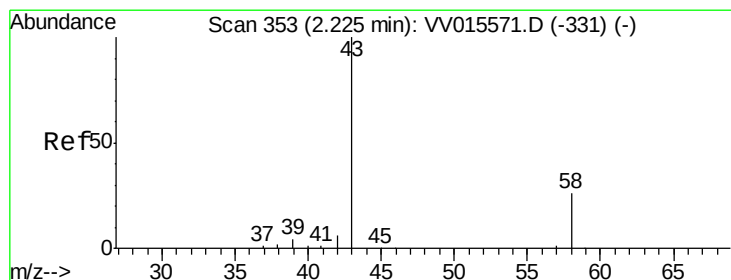
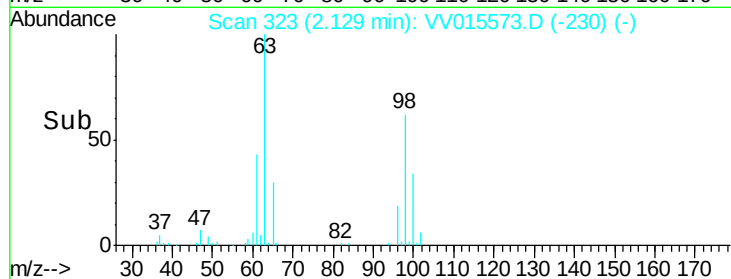
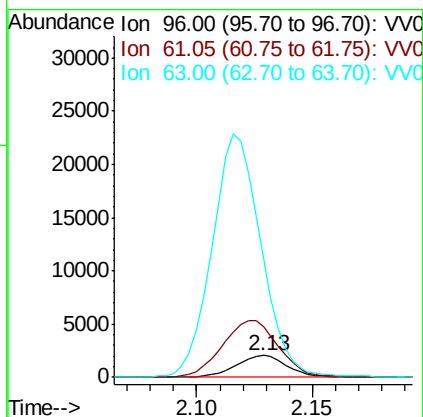
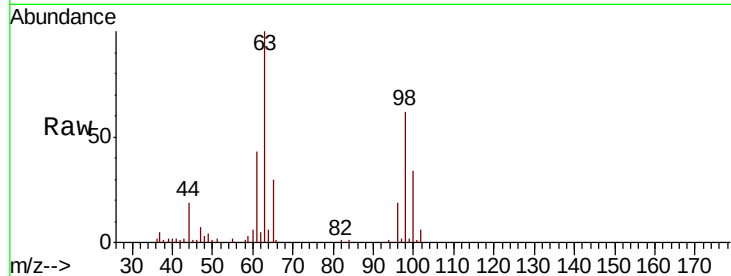




#12
 1,1-Dichloroethene
 Concen: 0.504 ug/L
 RT: 2.13 min Scan# 323
 Delta R.T. -0.00 min
 Lab File: VV015573.D
 Acq: 20 Apr 2020 11:24

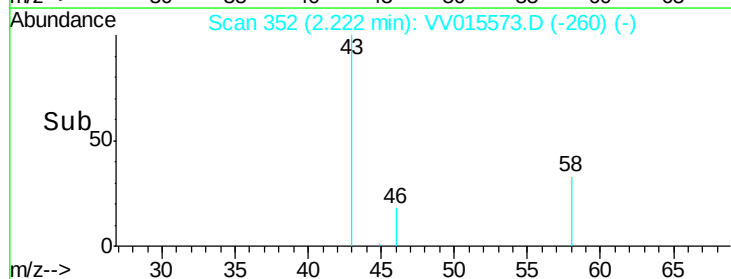
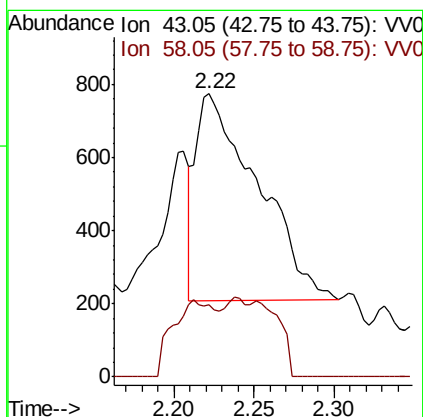
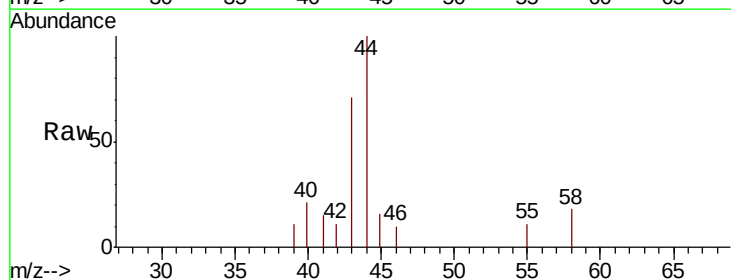
Instrument :
 MSVOA_V
 ClientSampleId :

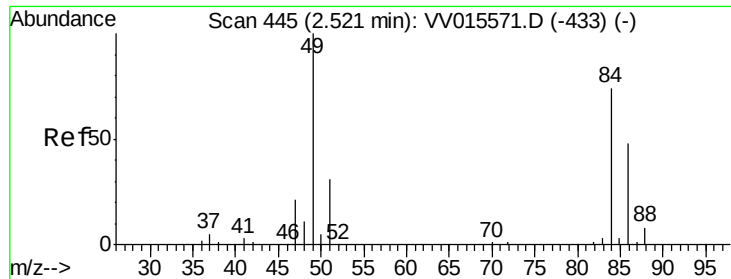
Tot Ion: 96 Resp: 3045
 Ion Ratio Lower Upper
 96 100
 61 229.5 127.7 237.1
 63 534.4 75.1 139.5#



#13
 Acetone
 Concen: 1.520 ug/L
 RT: 2.22 min Scan# 352
 Delta R.T. -0.00 min
 Lab File: VV015573.D
 Acq: 20 Apr 2020 11:24

Tgt Ion: 43 Resp: 1507
 Ion Ratio Lower Upper
 43 100
 58 3.5 0.0 22.2

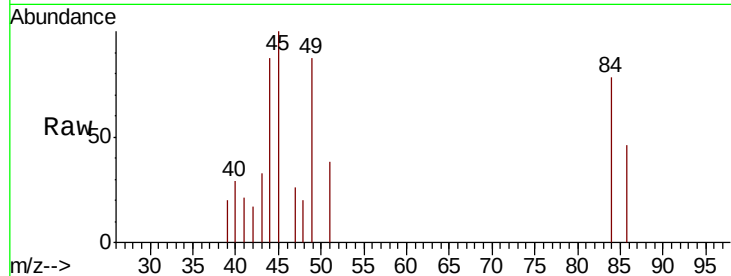




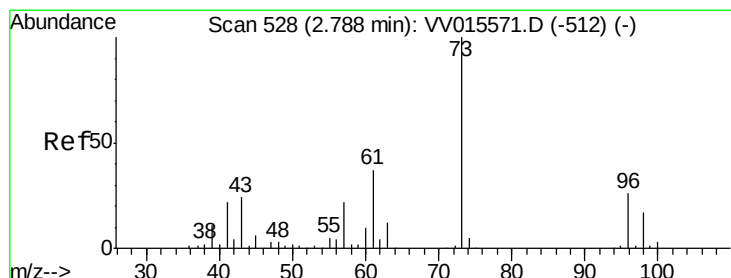
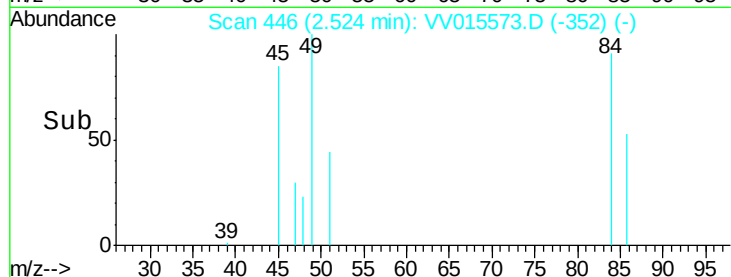
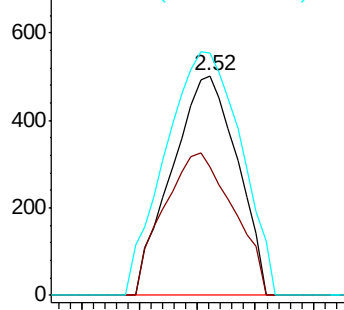
#16
Methylene chloride
Concen: 0.111 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV015573.D
Acq: 20 Apr 2020 11:24

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 84 Resp: 786
Ion Ratio Lower Upper
84 100
86 58.4 45.1 83.7
49 110.4 97.9 181.7

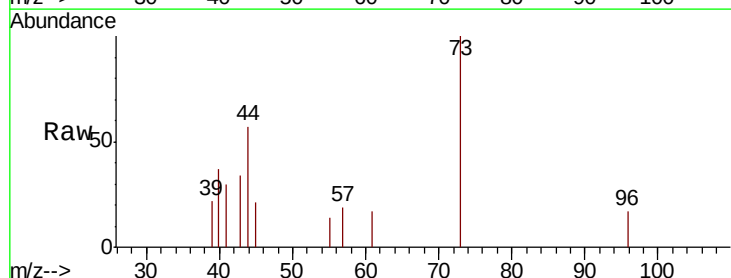


Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

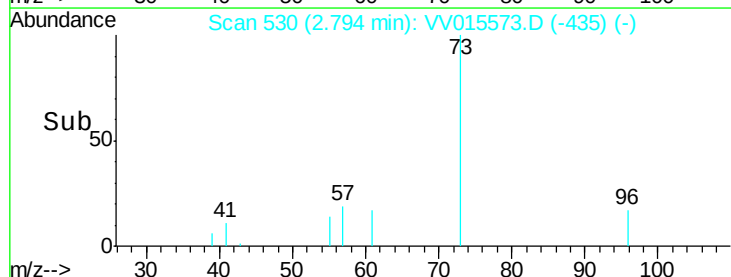
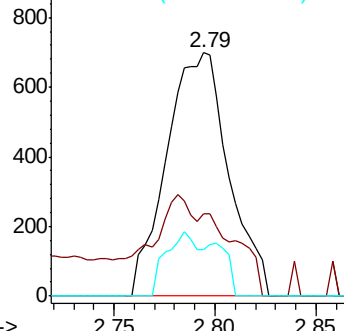


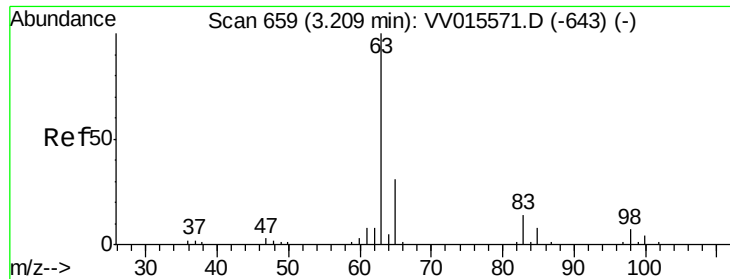
#17
Methyl tert-butyl Ether
Concen: 0.093 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.01 min
Lab File: VV015573.D
Acq: 20 Apr 2020 11:24

Tgt Ion: 73 Resp: 1503
Ion Ratio Lower Upper
73 100
43 1.3 18.3 27.5#
57 7.2 18.4 27.6#



Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

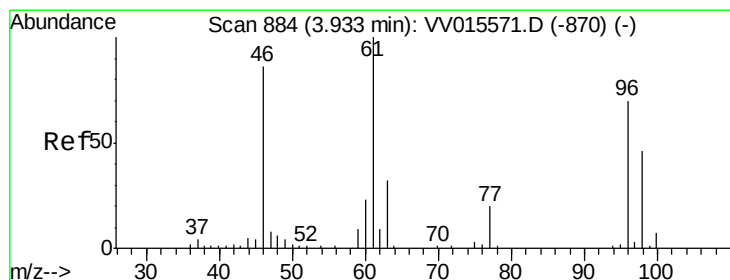
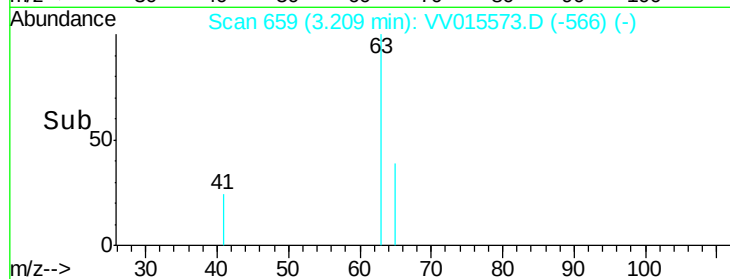
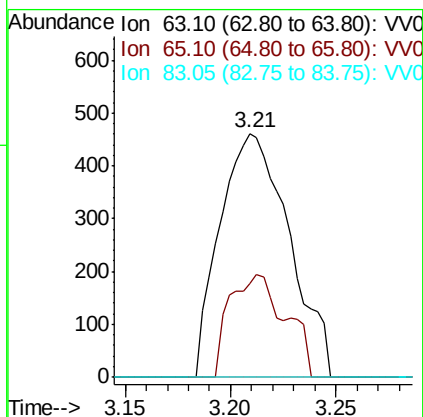
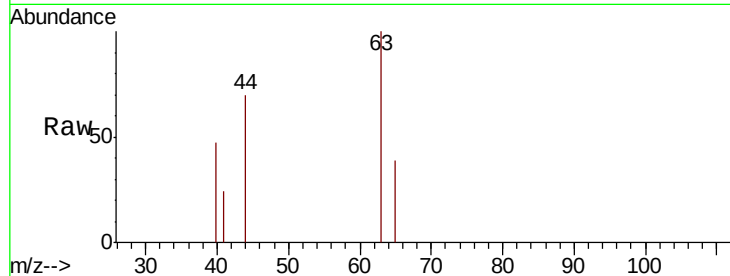




#19
 1,1-Dichloroethane
 Concen: 0.082 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV015573.D
 Acq: 20 Apr 2020 11:24

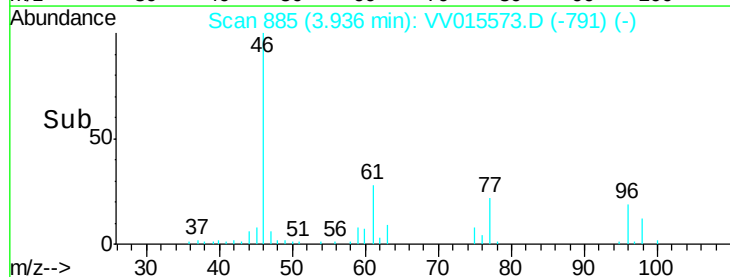
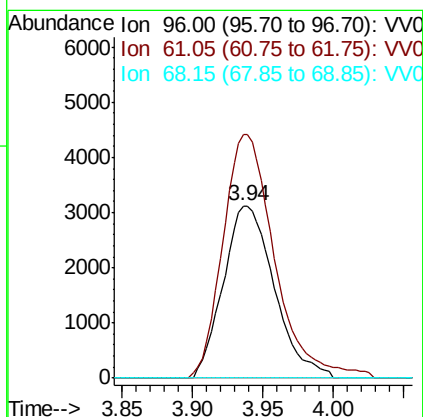
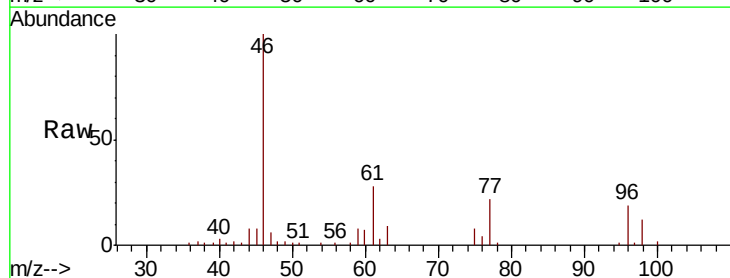
Instrument :
 MSVOA_V
 ClientSampleId :

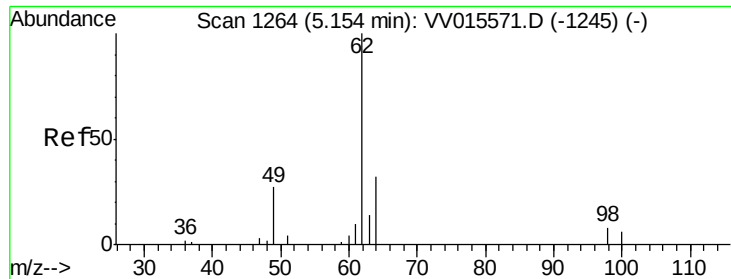
Tot Ion: 63 Resp: 1049
 Ion Ratio Lower Upper
 63 100
 65 38.6 21.3 39.6
 83 0.0 9.4 17.6#



#22
 cis-1,2-Dichloroethene
 Concen: 1.118 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV015573.D
 Acq: 20 Apr 2020 11:24

Tgt Ion: 96 Resp: 7907
 Ion Ratio Lower Upper
 96 100
 61 141.3 100.0 185.8
 68 0.0 0.0 0.0

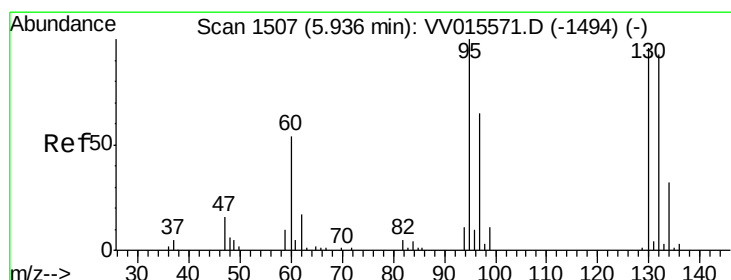
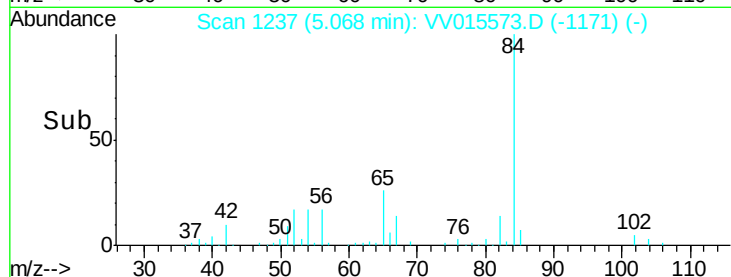
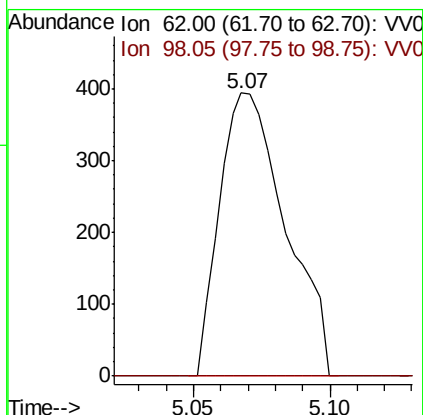
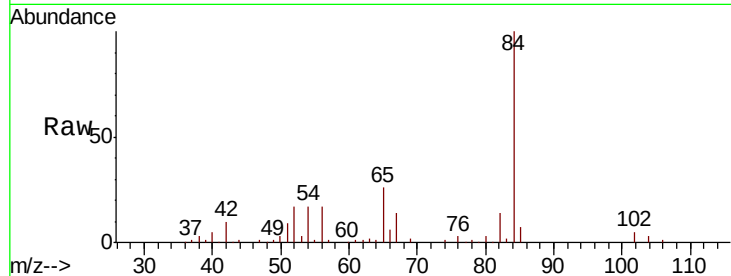




#27
 1,2-Dichloroethane
 Concen: 0.078 ug/L
 RT: 5.07 min Scan# 1237
 Delta R.T. -0.09 min
 Lab File: VV015573.D
 Acq: 20 Apr 2020 11:24

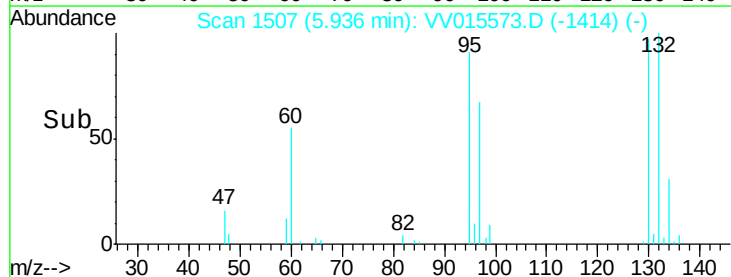
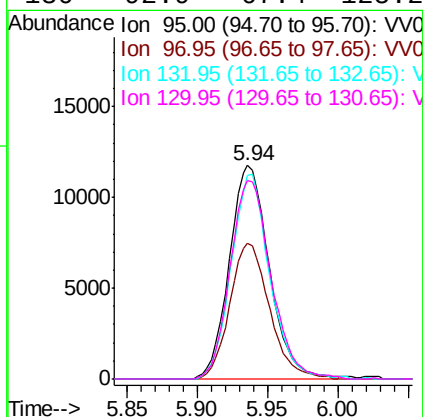
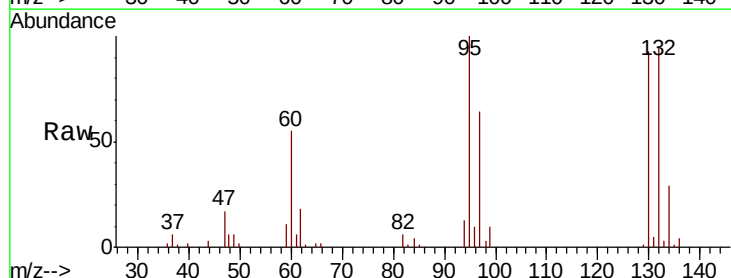
Instrument :
 MSVOA_V
 ClientSampled :

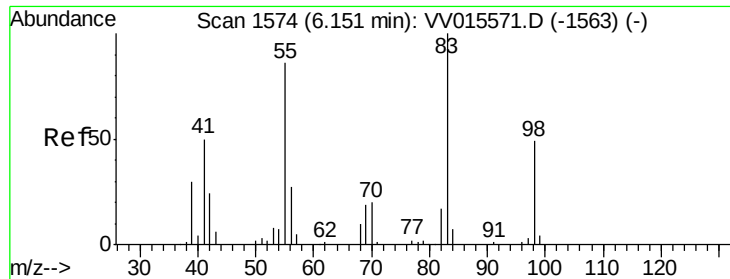
Tot Ion: 62 Resp: 664
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



#34
 Trichloroethene
 Concen: 3.230 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV015573.D
 Acq: 20 Apr 2020 11:24

Tgt Ion: 95 Resp: 23286
 Ion Ratio Lower Upper
 95 100
 97 63.6 45.4 84.4
 132 95.4 64.8 120.4
 130 92.9 67.4 125.2

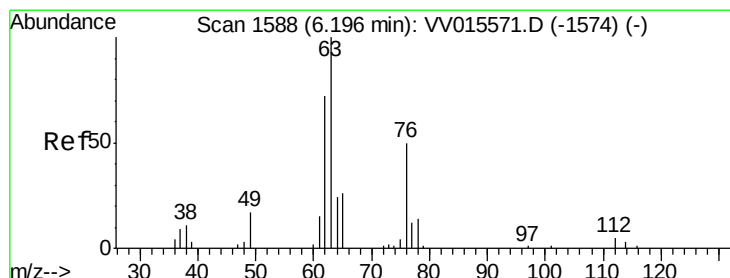
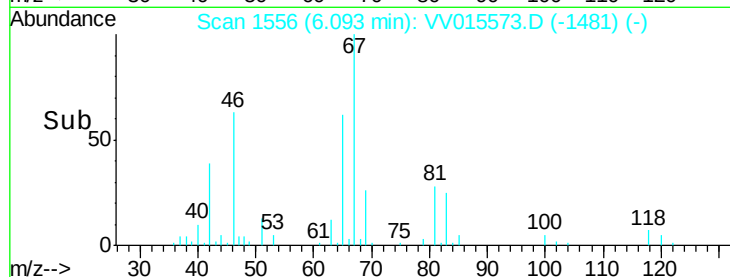
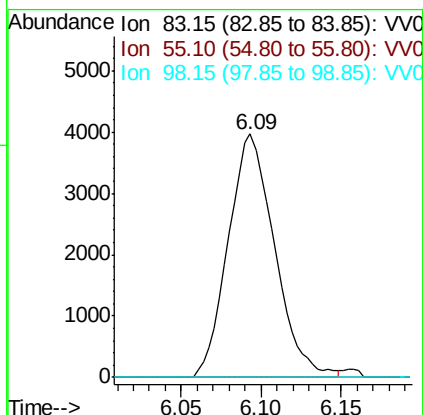
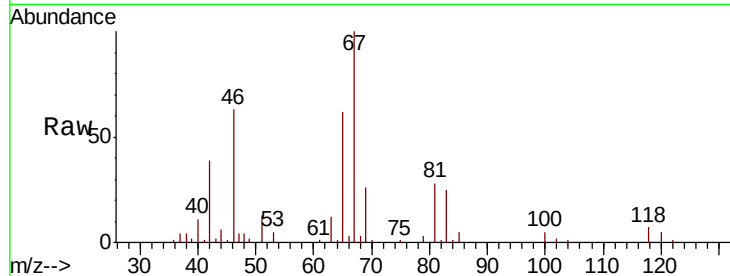




#35
Methylvlcyclohexane
Concen: 0.647 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV015573.D
Acq: 20 Apr 2020 11:24

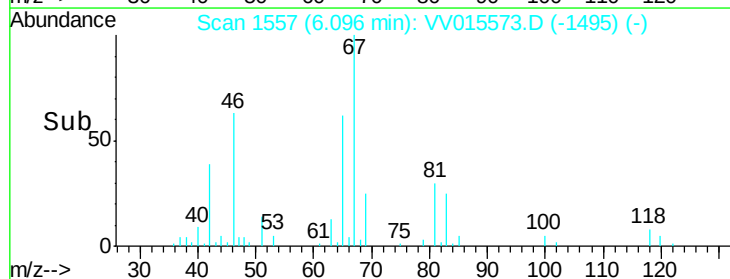
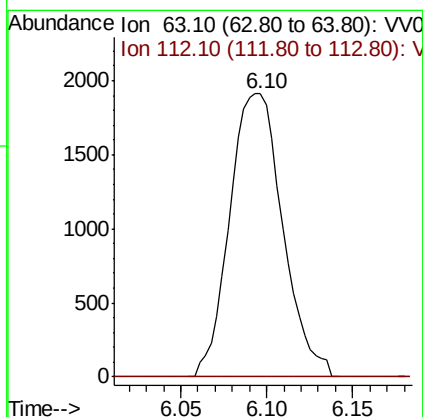
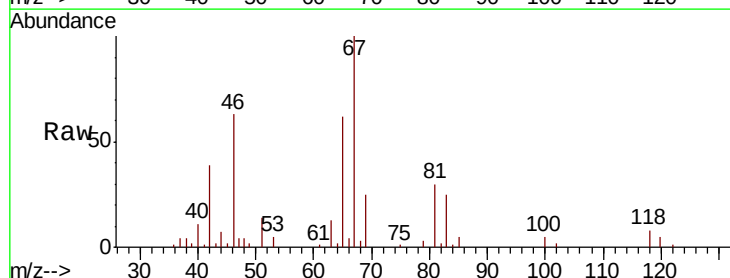
Instrument :
MSVOA_V
ClientSampleId :

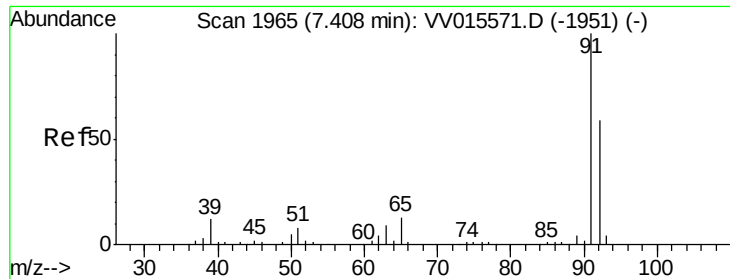
Tot Ion: 83 Resp: 7856
Ion Ratio Lower Upper
83 100
55 0.0 66.6 99.8#
98 1.2 38.7 58.1#



#37
1,2-Dichloropropane
Concen: 0.619 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV015573.D
Acq: 20 Apr 2020 11:24

Tgt Ion: 63 Resp: 4112
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#





#42

Toluene

Concen: 0.116 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV015573.D

Acq: 20 Apr 2020 11:24

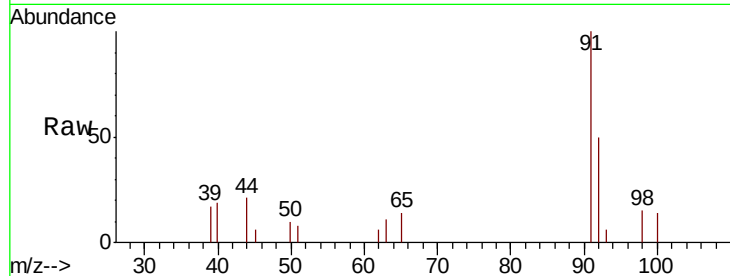
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 3368

Ion Ratio Lower Upper

91 100

92 50.2 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VV015571.D (-1951) (-)

Ion 92.15 (91.85 to 92.85): VV015571.D (-1951) (-)

7.41

1500

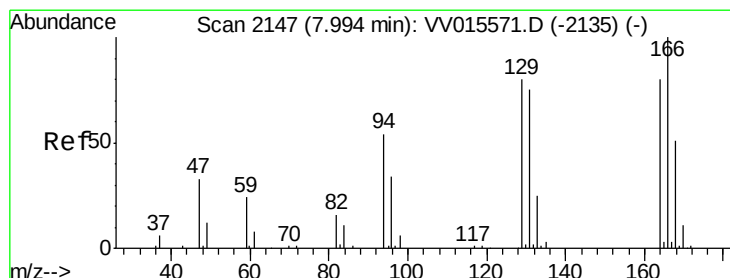
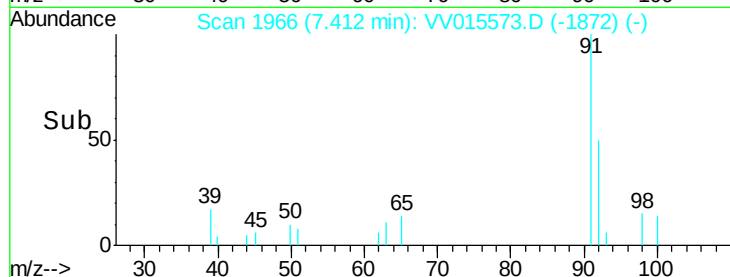
1000

500

0

Time-->

7.35 7.40 7.45



#47

Tetrachloroethene

Concen: 0.450 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV015573.D

Acq: 20 Apr 2020 11:24

Tgt Ion: 164 Resp: 2402

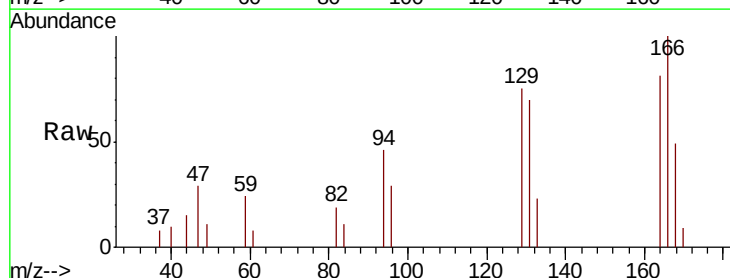
Ion Ratio Lower Upper

164 100

129 93.1 70.6 131.0

131 86.5 68.3 126.8

166 123.9 88.3 163.9



Abundance Ion 163.90 (163.60 to 164.60): VV015571.D (-2135) (-)

Ion 128.95 (128.65 to 129.65): VV015571.D (-2135) (-)

Ion 130.95 (130.65 to 131.65): VV015571.D (-2135) (-)

Ion 165.90 (165.60 to 166.60): VV015571.D (-2135) (-)

3000

2500

2000

1500

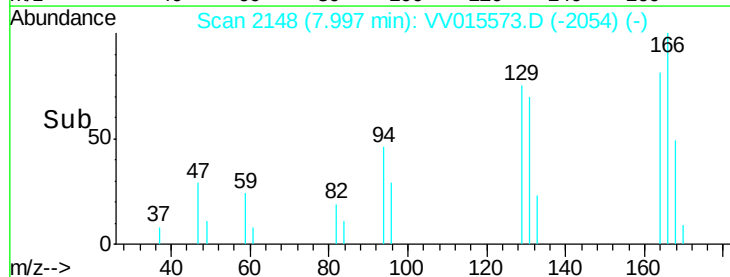
1000

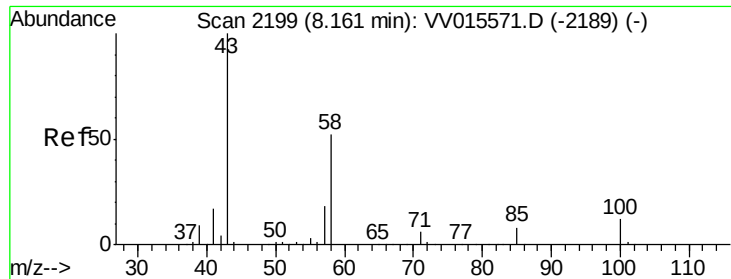
500

0

Time-->

7.95 8.00 8.05

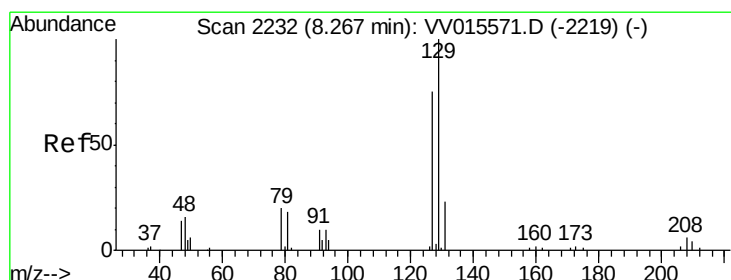
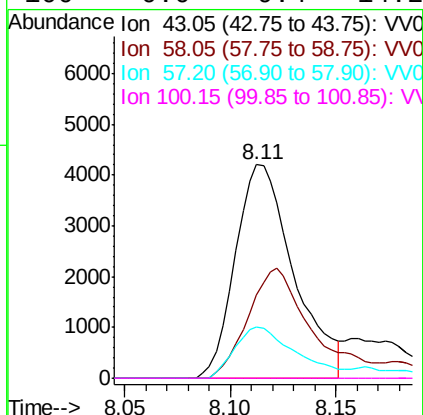
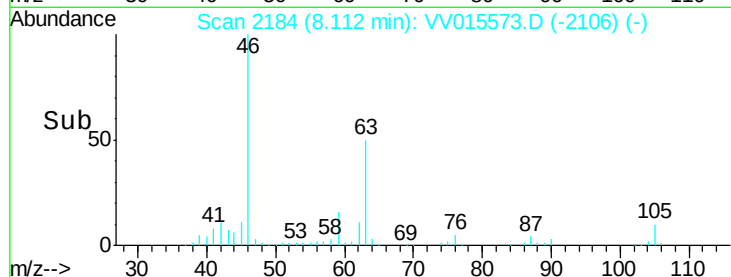
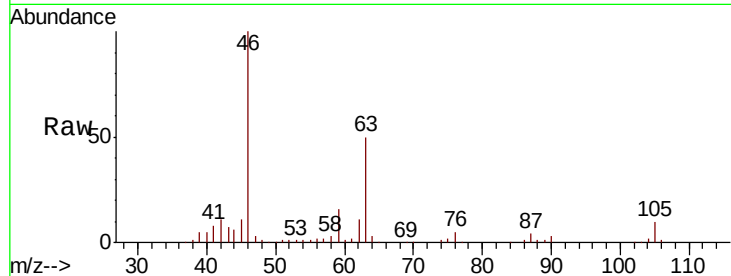




#48
2-Hexanone
Concen: 2.664 ug/L
RT: 8.11 min Scan# 2184
Delta R.T. -0.05 min
Lab File: VV015573.D
Acq: 20 Apr 2020 11:24

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 8121
Ion Ratio Lower Upper
43 100
58 56.1 41.4 62.0
57 25.1 15.0 22.4#
100 0.0 9.4 14.2#



#49
Dibromochloromethane
Concen: 0.469 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. -0.27 min
Lab File: VV015573.D
Acq: 20 Apr 2020 11:24

Tgt Ion: 129 Resp: 2508
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#

