

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042820\
 Data File : VV015776.D
 Acq On : 29 Apr 2020 03:25
 Operator : SY/MD
 Sample : L2421-01
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 29 03:51:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Apr 29 03:36:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	114355	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	111252	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	53195	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	35396	5.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	118.40%
7) Chloroethane-d5	1.58	69	30810	5.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.00%
11) 1,1-Dichloroethene-d2	2.12	63	51986	3.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.40%
20) 2-Butanone-d5	3.93	46	86918	45.30	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.60%
24) Chloroform-d	4.38	84	59679	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.80%
26) 1,2-Dichloroethane-d4	5.06	65	38462	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
32) Benzene-d6	5.08	84	128113	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
36) 1,2-Dichloropropane-d6	6.10	67	39622	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.40%
41) Toluene-d8	7.34	98	113276	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
43) trans-1,3-Dichloropropene-	7.64	79	12416	3.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.60%
46) 2-Hexanone-d5	8.11	63	59087	36.93	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	73.86%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	26646	4.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	40823	4.51	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.20%

Target Compounds

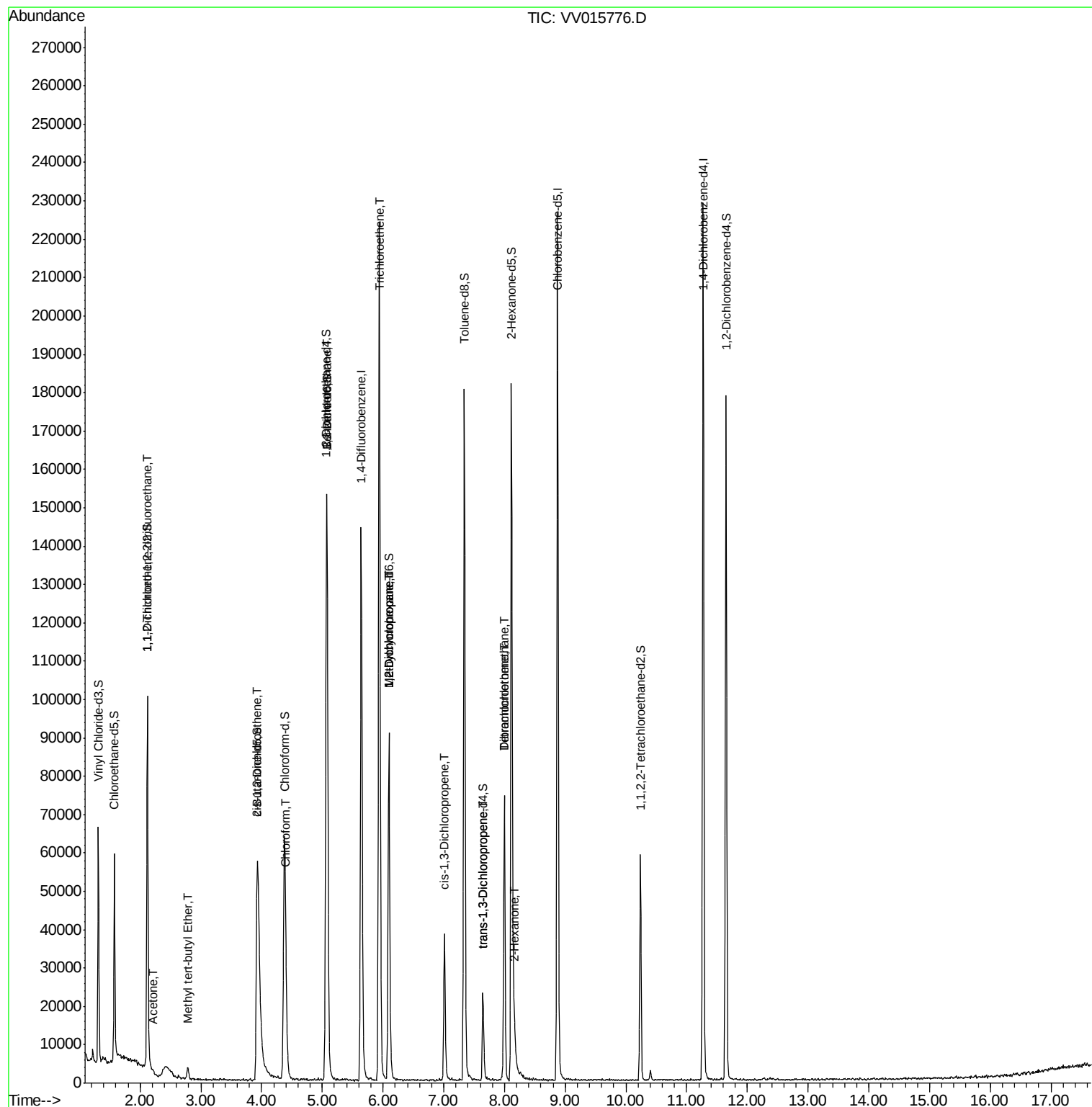
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	518	0.072	ug/L #	22
13) Acetone	2.21	43	2311	1.734	ug/L	76
17) Methyl tert-butyl Ether	2.79	73	1701	0.091	ug/L #	78
22) cis-1,2-Dichloroethene	3.94	96	5615	0.681	ug/L	99
25) Chloroform	4.41	83	14628	0.942	ug/L	93
27) 1,2-Dichloroethane	5.08	62	1024	0.100	ug/L #	78
34) Trichloroethene	5.94	95	77388	8.816	ug/L	97
35) Methylcyclohexane	6.10	83	10256	0.761	ug/L #	21
37) 1,2-Dichloropropane	6.09	63	5290	0.655	ug/L #	86
39) cis-1,3-Dichloropropene	7.01	75	1215	0.108	ug/L #	62
44) trans-1,3-Dichloropropene	7.65	75	749	0.079	ug/L	90
47) Tetrachloroethene	8.00	164	15609	2.470	ug/L	96
48) 2-Hexanone	8.17	43	6247	1.671	ug/L #	87
49) Dibromochloromethane	8.00	129	15084	2.647	ug/L #	12

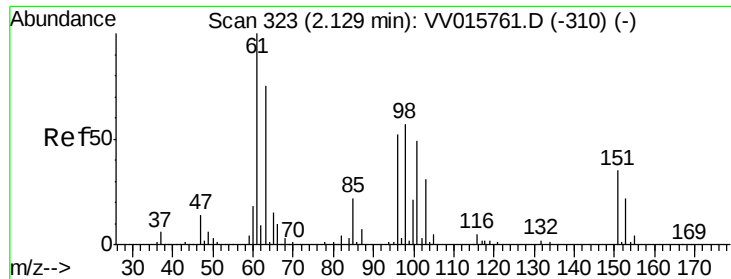
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.072 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV015776.D

Acq: 29 Apr 2020 03:25

Instrument :

MSVOA_V

ClientSampleId :

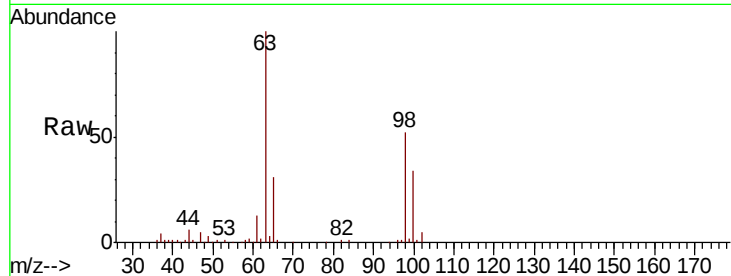
Tot Ion:101 Resp: 518

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

151 0.0 55.2 82.8#



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

2.12

400

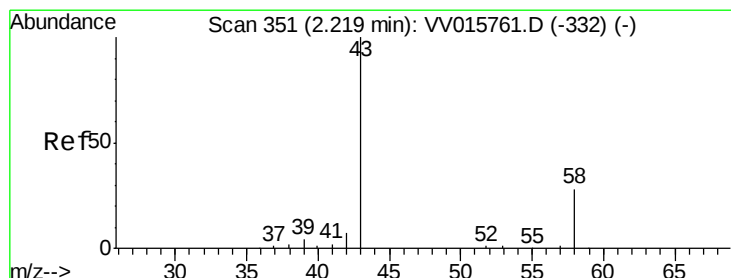
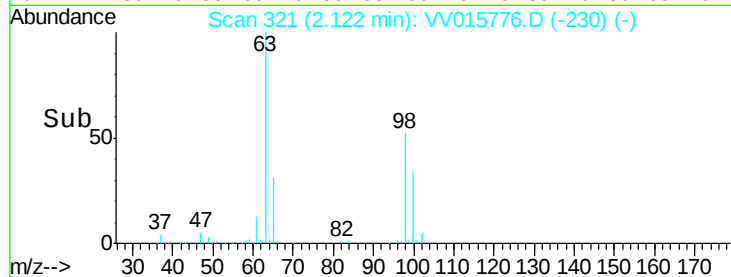
300

200

100

0

Time--> 2.08 2.10 2.12 2.14 2.16



#13

Acetone

Concen: 1.734 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.01 min

Lab File: VV015776.D

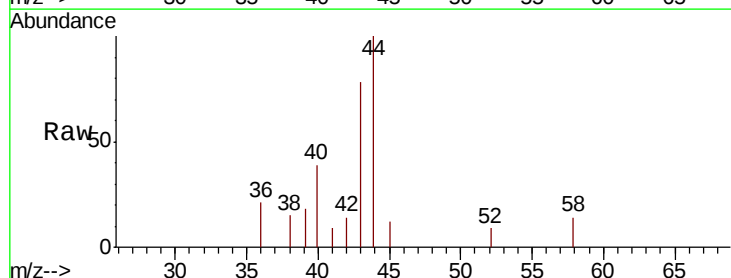
Acq: 29 Apr 2020 03:25

Tgt Ion: 43 Resp: 2311

Ion Ratio Lower Upper

43 100

58 16.2 0.0 57.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

1000

800

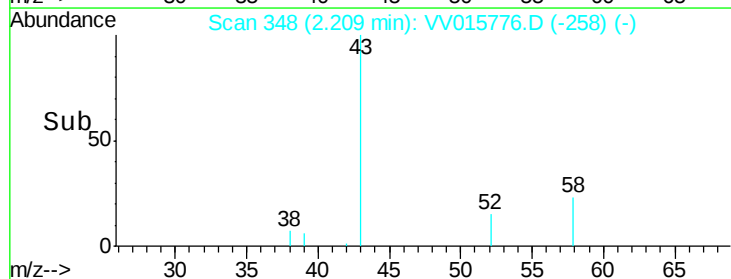
600

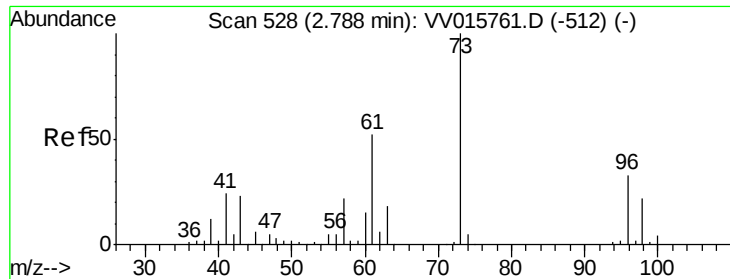
400

200

0

Time--> 2.15 2.20 2.25 2.30

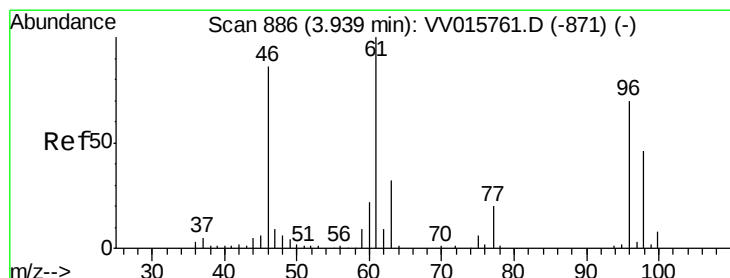
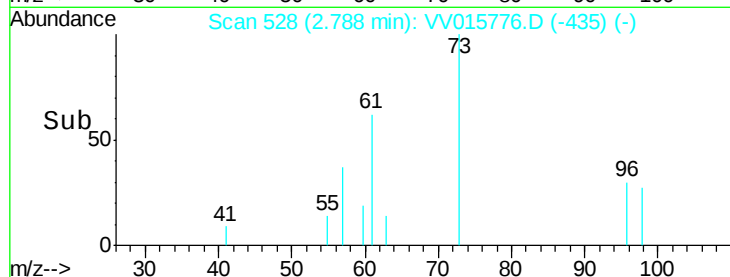
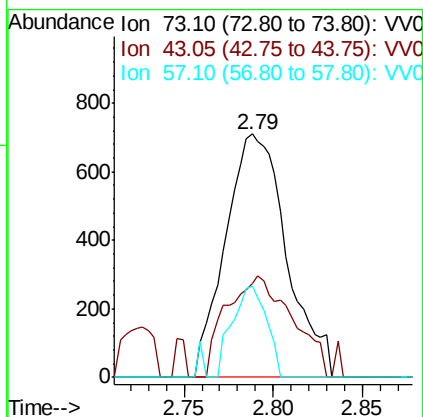
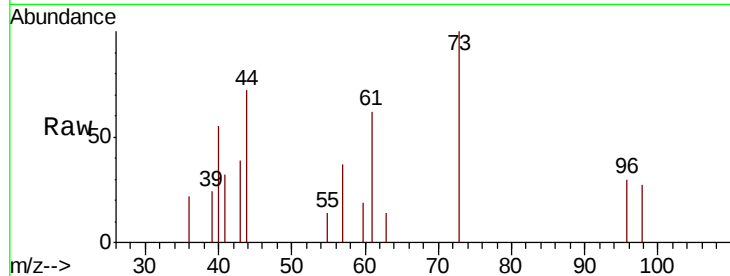




#17
Methvl tert-butvl Ether
Concen: 0.091 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV015776.D
Acq: 29 Apr 2020 03:25

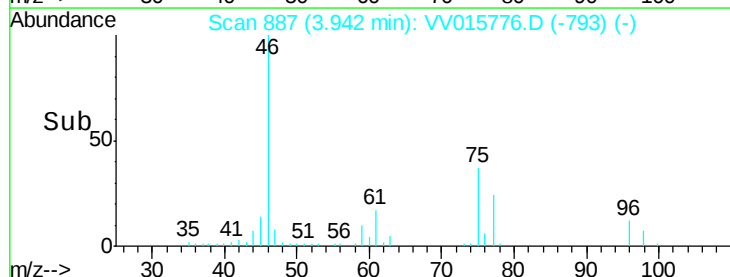
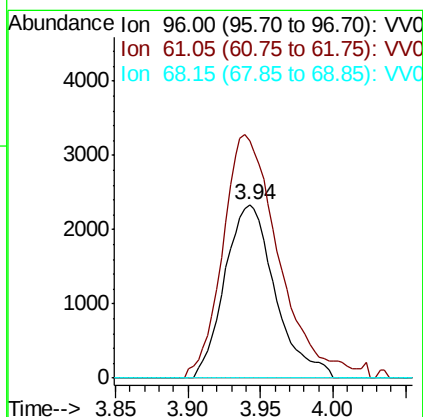
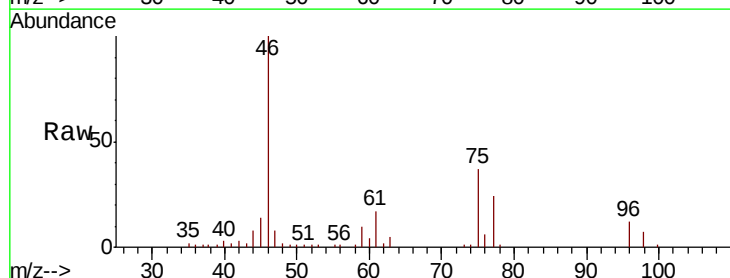
Instrument :
MSVOA_V
ClientSampled :

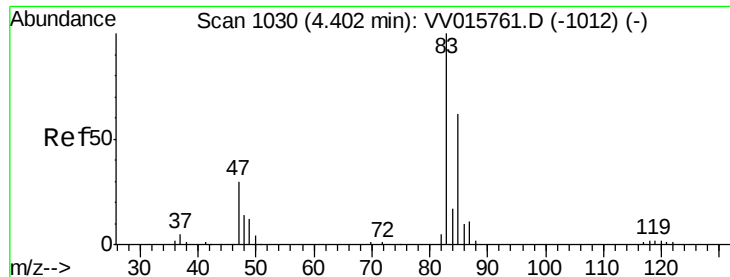
Tot Ion: 73 Resp: 1701
Ion Ratio Lower Upper
73 100
43 44.8 20.1 30.1#
57 21.0 17.8 26.8



#22
cis-1,2-Dichloroethene
Concen: 0.681 ug/L
RT: 3.94 min Scan# 887
Delta R.T. 0.00 min
Lab File: VV015776.D
Acq: 29 Apr 2020 03:25

Tgt Ion: 96 Resp: 5615
Ion Ratio Lower Upper
96 100
61 136.5 96.4 179.0
68 0.0 0.0 0.0

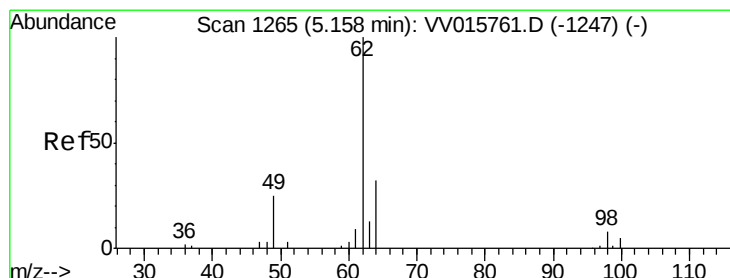
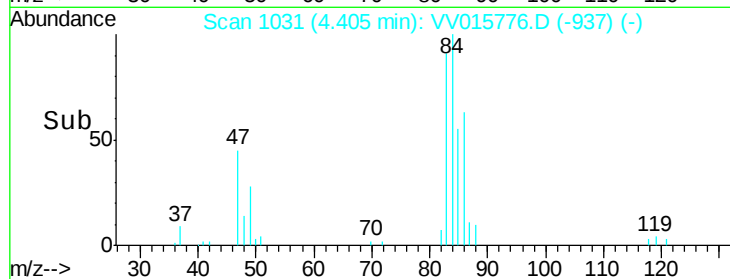
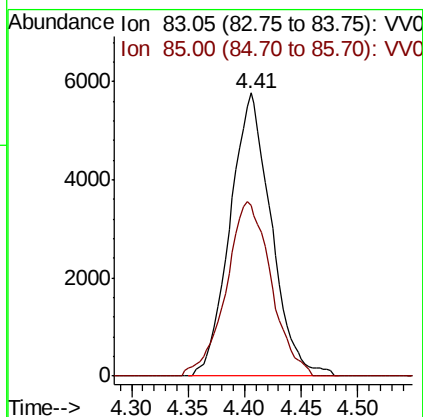
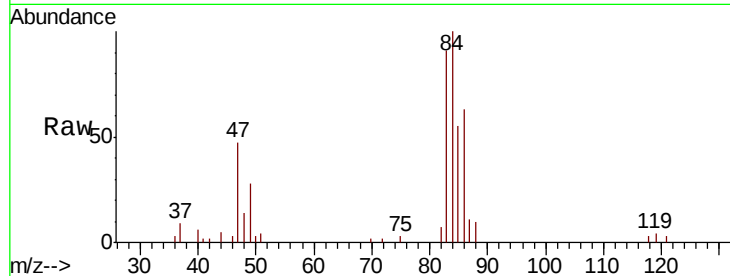




#25
Chloroform
Concen: 0.942 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV015776.D
Acq: 29 Apr 2020 03:25

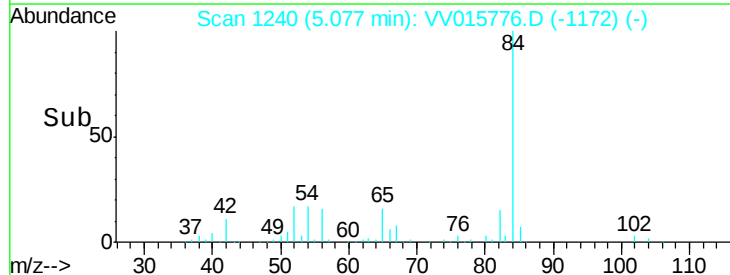
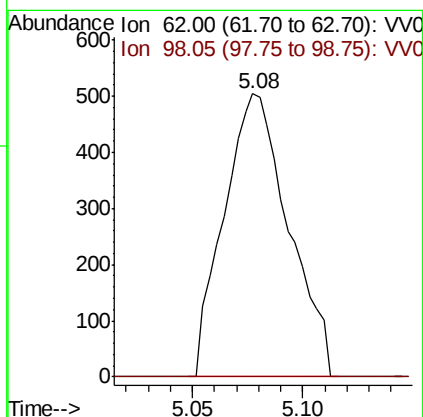
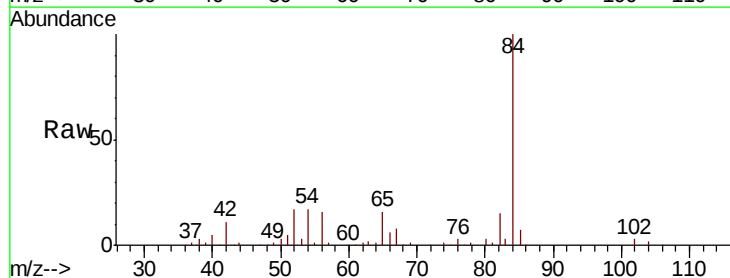
Instrument :
MSVOA_V
ClientSampleId :

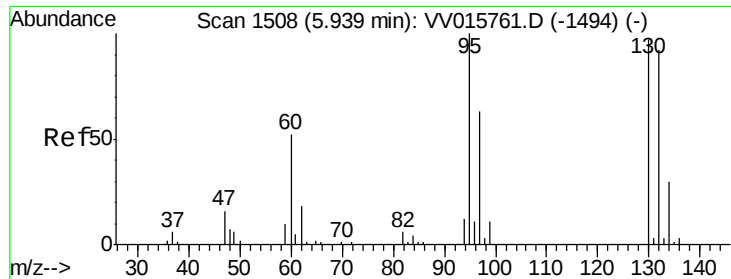
Tot Ion: 83 Resp: 14628
Ion Ratio Lower Upper
83 100
85 60.4 46.1 85.5



#27
1,2-Dichloroethane
Concen: 0.100 ug/L
RT: 5.08 min Scan# 1240
Delta R.T. -0.08 min
Lab File: VV015776.D
Acq: 29 Apr 2020 03:25

Tgt Ion: 62 Resp: 1024
Ion Ratio Lower Upper
62 100
98 0.0 6.3 9.5#

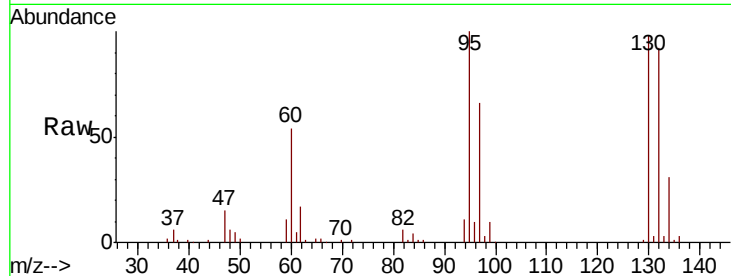




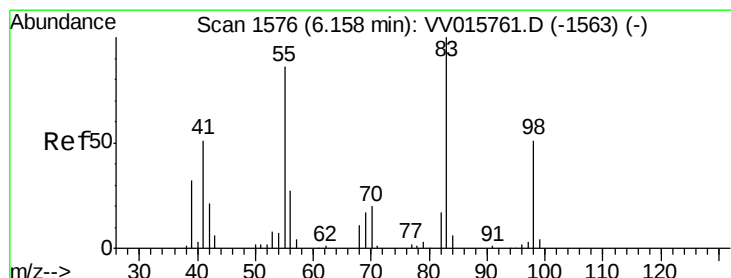
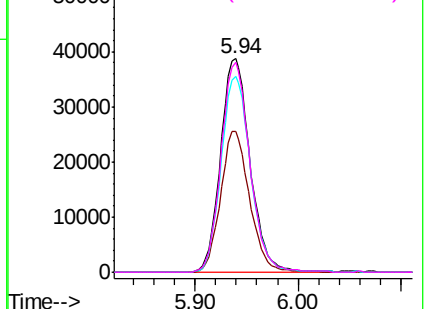
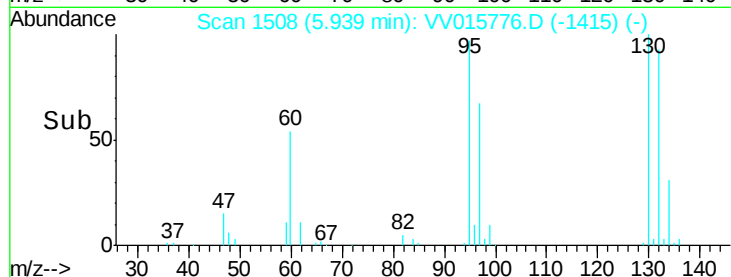
#34
 Trichloroethene
 Concen: 8.816 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV015776.D
 Acq: 29 Apr 2020 03:25

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 95 Resp: 77388
 Ion Ratio Lower Upper
 95 100
 97 66.2 44.7 82.9
 132 91.6 65.2 121.0
 130 98.1 65.0 120.6

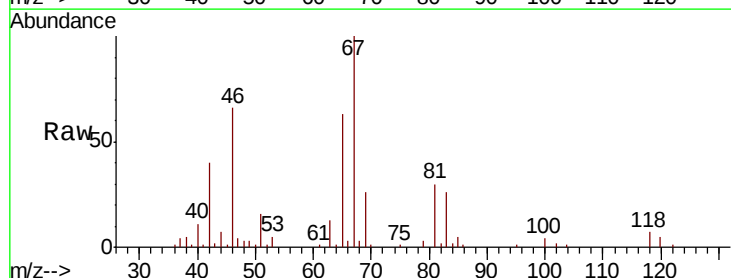


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

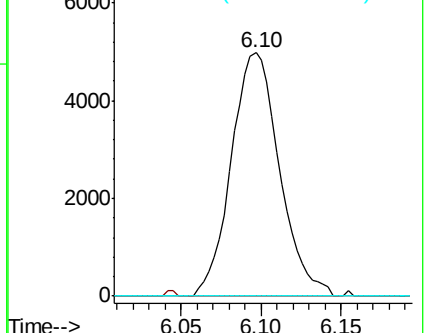
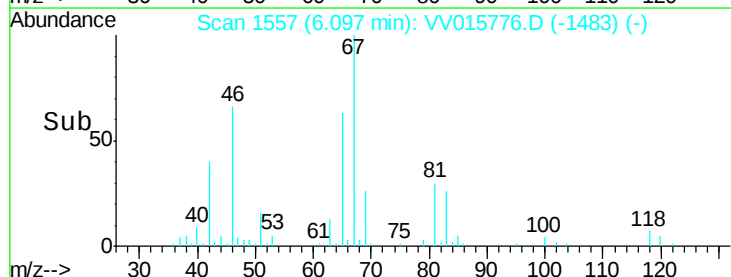


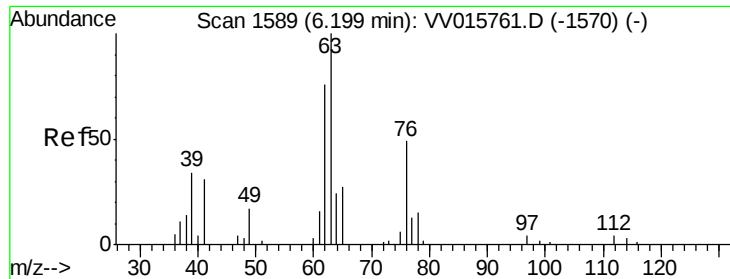
#35
 Methylcyclohexane
 Concen: 0.761 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.06 min
 Lab File: VV015776.D
 Acq: 29 Apr 2020 03:25

Tgt Ion: 83 Resp: 10256
 Ion Ratio Lower Upper
 83 100
 55 0.4 66.6 99.8#
 98 9.7 39.5 59.3#



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

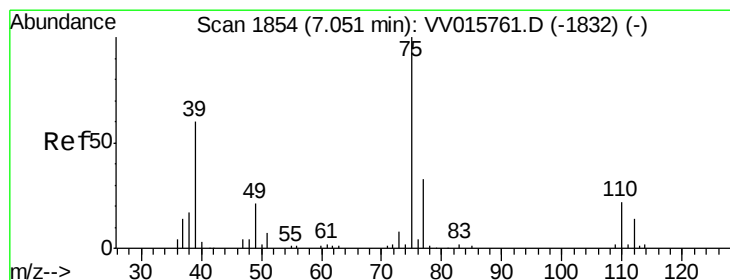
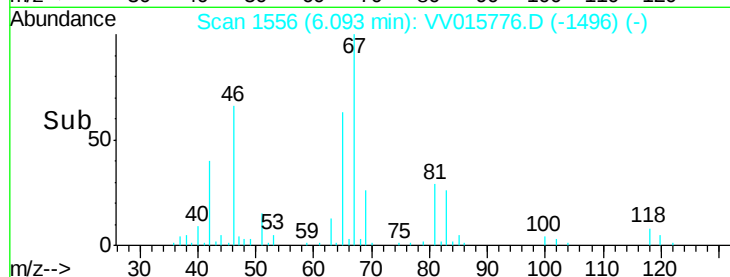
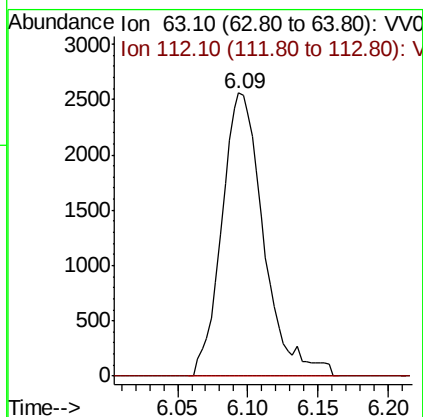
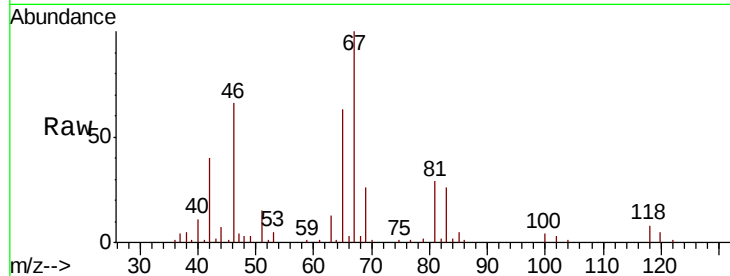




#37
 1,2-Dichloropropane
 Concen: 0.655 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.11 min
 Lab File: VV015776.D
 Acq: 29 Apr 2020 03:25

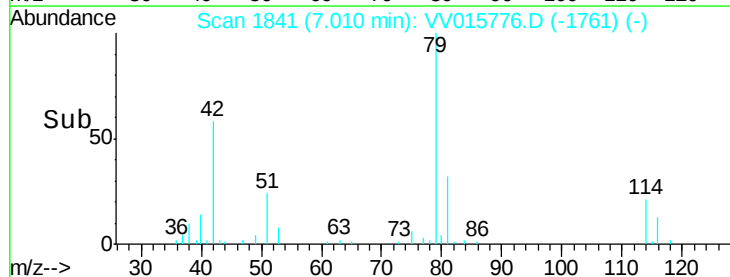
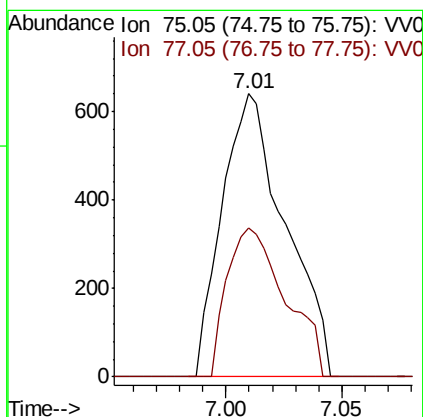
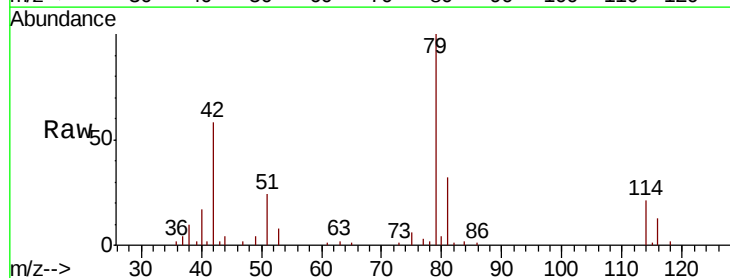
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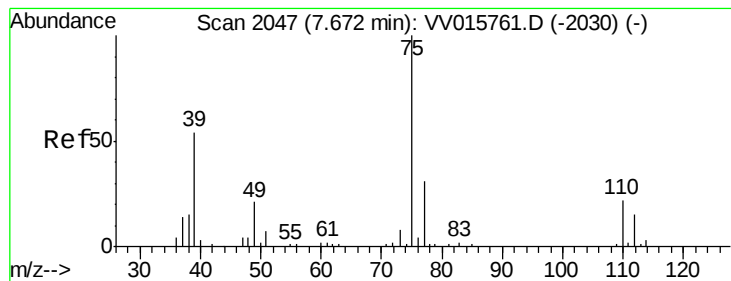
Tot Ion: 63 Resp: 5290
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.108 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV015776.D
 Acq: 29 Apr 2020 03:25

Tgt Ion: 75 Resp: 1215
 Ion Ratio Lower Upper
 75 100
 77 52.8 22.3 41.5#





#44

trans-1,3-Dichloropropene

Concen: 0.079 ug/L

RT: 7.65 min Scan# 2040

Delta R.T. -0.02 min

Lab File: VV015776.D

Acq: 29 Apr 2020 03:25

Instrument :

MSVOA_V

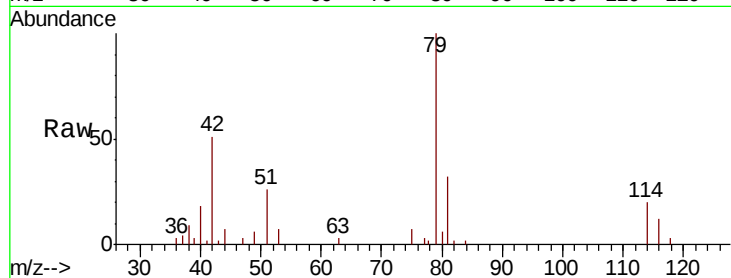
ClientSampleId :

Tot Ion: 75 Resp: 749

Ion Ratio Lower Upper

75 100

77 36.4 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.65

400

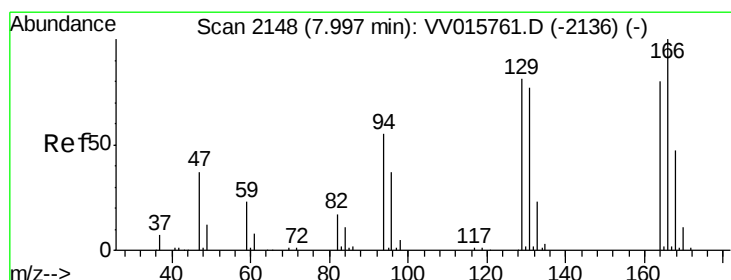
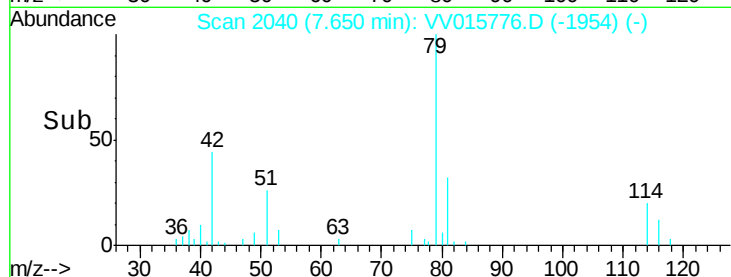
300

200

100

0

Time--> 7.60 7.65 7.70



#47

Tetrachloroethene

Concen: 2.470 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV015776.D

Acq: 29 Apr 2020 03:25

Tgt Ion: 164 Resp: 15609

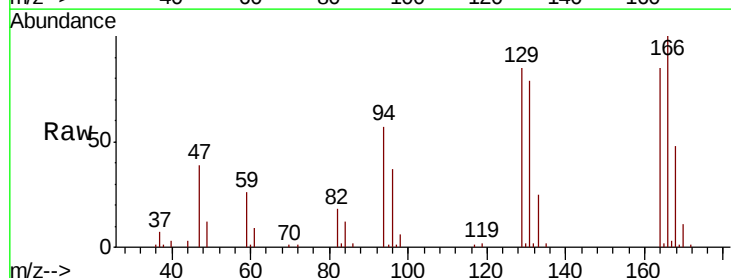
Ion Ratio Lower Upper

164 100

129 100.5 66.7 123.9

131 93.0 66.6 123.6

166 117.6 85.3 158.5



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

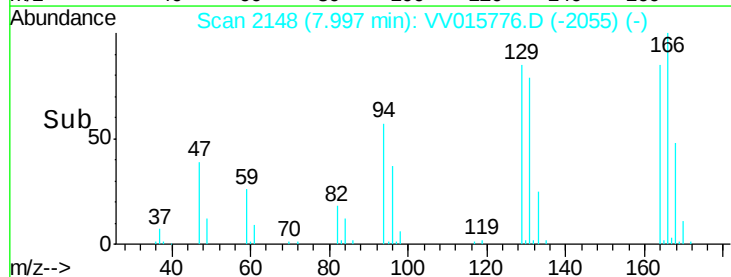
15000

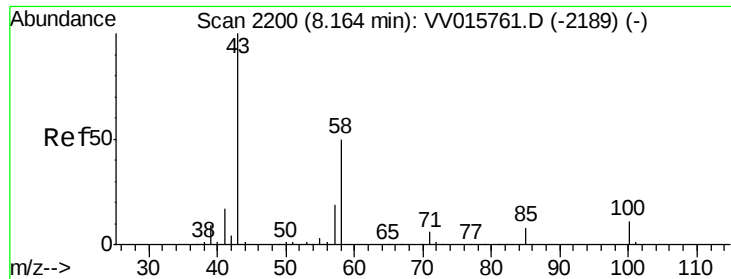
10000

5000

0

Time--> 7.95 8.00 8.05

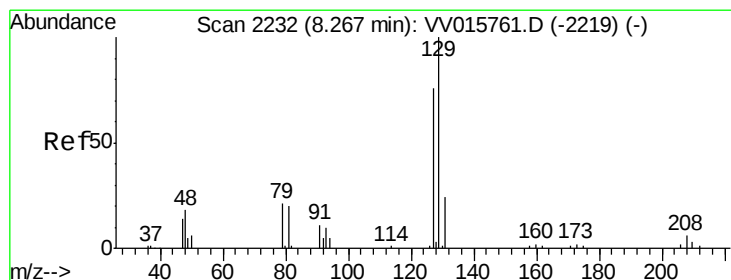
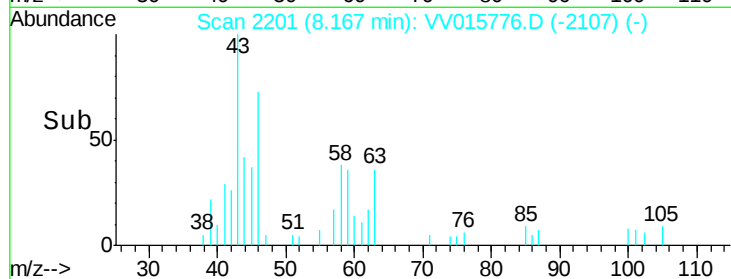
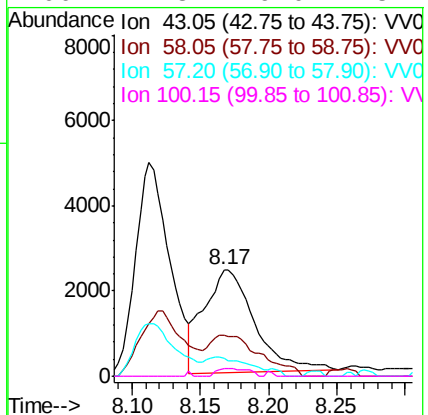
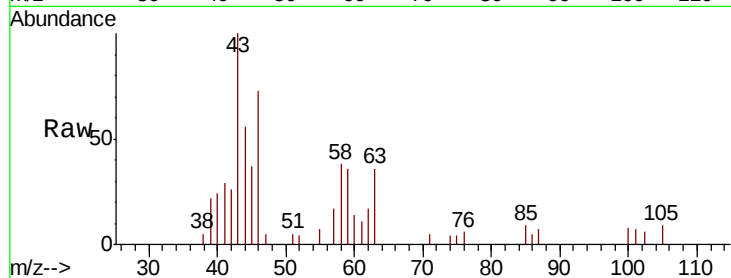




#48
2-Hexanone
Concen: 1.671 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.00 min
Lab File: VV015776.D
Acq: 29 Apr 2020 03:25

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 6247
Ion Ratio Lower Upper
43 100
58 40.0 41.1 61.7#
57 17.7 15.0 22.4
100 4.8 9.0 13.4#



#49
Dibromochloromethane
Concen: 2.647 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV015776.D
Acq: 29 Apr 2020 03:25

Tgt Ion: 129 Resp: 15084
Ion Ratio Lower Upper
129 100
127 0.0 52.6 97.8#

