

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052220\
 Data File : VU038280.D
 Acq On : 22 May 2020 16:20
 Operator : JC/MD
 Sample : L2724-18
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 25 00:57:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon May 25 00:55:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	384763	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	367137	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	179419	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	112886	3.21	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.20%
7) Chloroethane-d5	1.93	69	103186	3.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	67.80%
11) 1,1-Dichloroethene-d2	2.59	63	169784	2.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.80%#
20) 2-Butanone-d5	4.66	46	434759	50.07	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.14%
24) Chloroform-d	5.10	84	234855	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.00%
26) 1,2-Dichloroethane-d4	5.74	65	136768	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
32) Benzene-d6	5.76	84	490901	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
36) 1,2-Dichloropropane-d6	6.72	67	156605	4.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.20%
41) Toluene-d8	7.92	98	430564	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.20%
43) trans-1,3-Dichloropropene-	8.20	79	61064	4.29	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.80%
46) 2-Hexanone-d5	8.66	63	322787	48.06	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.12%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	125852	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.80%
64) 1,2-Dichlorobenzene-d4	12.21	152	165888	4.75	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.00%

Target Compounds

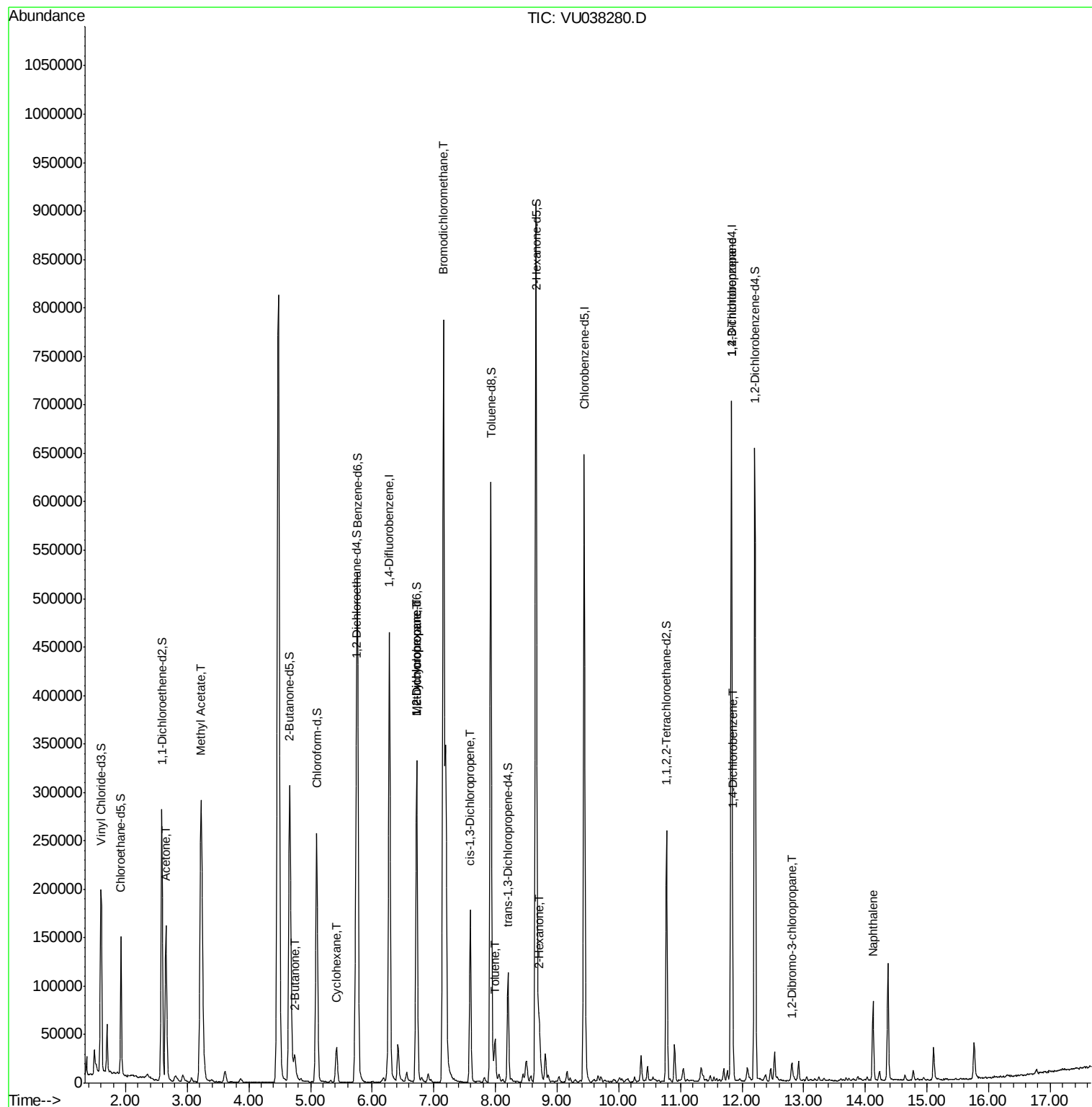
					Ovalue
13) Acetone	2.65	43	196199	36.014	ug/L 100
15) Methyl Acetate	3.22	43	63995	4.199	ug/L # 54
21) 2-Butanone	4.74	43	33664	3.501	ug/L 97
30) Cyclohexane	5.42	56	18624	0.375	ug/L 97
35) Methylcyclohexane	6.72	83	36366	0.763	ug/L # 16
37) 1,2-Dichloropropane	6.72	63	16706	0.523	ug/L # 88
38) Bromodichloromethane	7.16	83	7752	0.210	ug/L # 1
39) cis-1,3-Dichloropropene	7.59	75	3935	0.086	ug/L # 46
42) Toluene	8.00	91	28598	0.230	ug/L 98
48) 2-Hexanone	8.71	43	43276	2.670	ug/L # 92
59) 1,2,3-Trichloropropane	11.83	75	26901	1.255	ug/L 97
63) 1,4-Dichlorobenzene	11.85	146	14105	0.238	ug/L 93
66) 1,2-Dibromo-3-chloropropan	12.80	75	579	0.126	ug/L # 8
69) Naphthalene	14.12	128	64019	0.791	ug/L 99

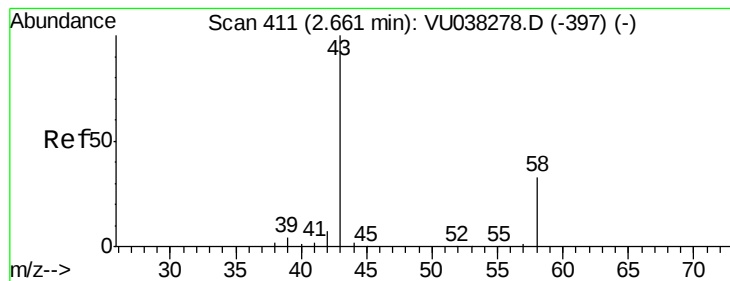
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon May 25 00:55:50 2020
Response via : Initial Calibration





#13

Acetone

Concen: 36.014 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.01 min

Lab File: VU038280.D

Acq: 22 May 2020 16:20

Instrument :

MSVOA_U

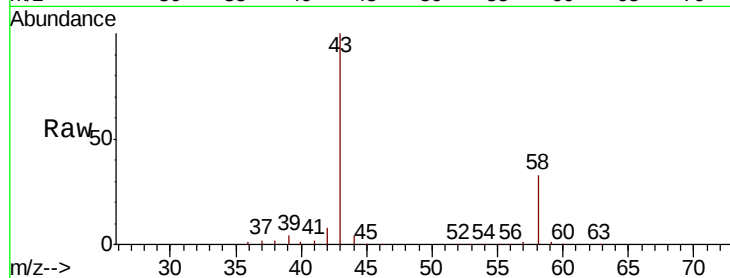
ClientSampled :

Tot Ion: 43 Resp: 196199

Ion Ratio Lower Upper

43 100

58 32.0 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU038280.D (-397) (-)

Ion 58.05 (57.75 to 58.75): VU038280.D (-397) (-)

2.65

100000

80000

60000

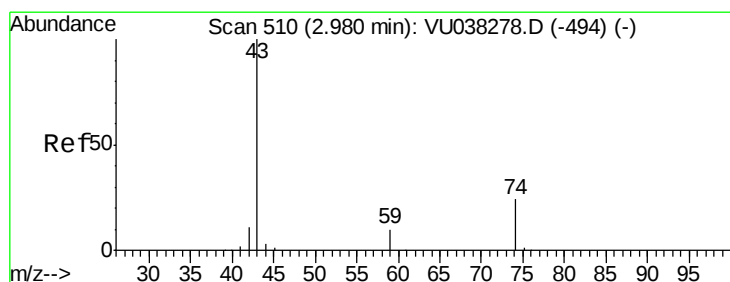
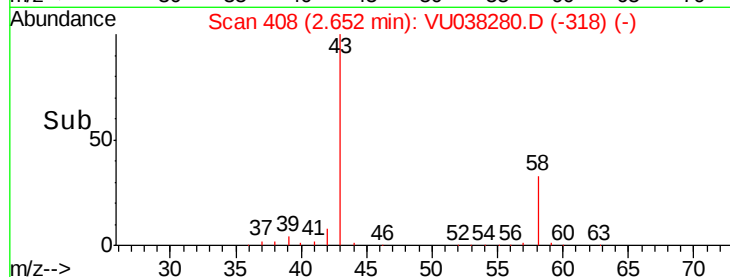
40000

20000

0

Time-->

2.60 2.70 2.80



#15

Methyl Acetate

Concen: 4.199 ug/L

RT: 3.22 min Scan# 586

Delta R.T. 0.24 min

Lab File: VU038280.D

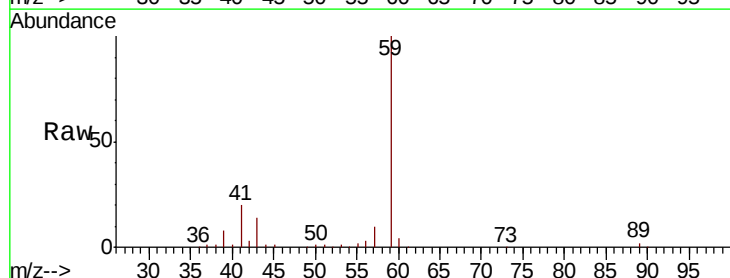
Acq: 22 May 2020 16:20

Tgt Ion: 43 Resp: 63995

Ion Ratio Lower Upper

43 100

74 0.1 18.0 27.0#



Abundance Ion 43.05 (42.75 to 43.75): VU038280.D (-494) (-)

Ion 74.05 (73.75 to 74.75): VU038280.D (-494) (-)

3.22

25000

20000

15000

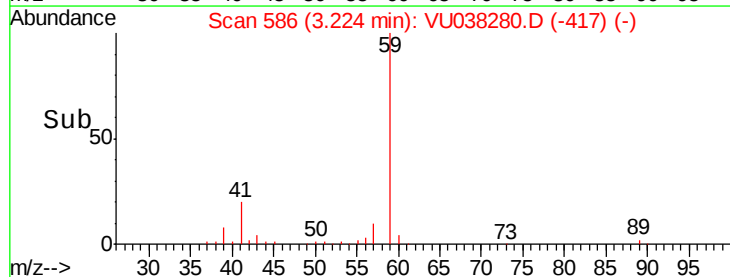
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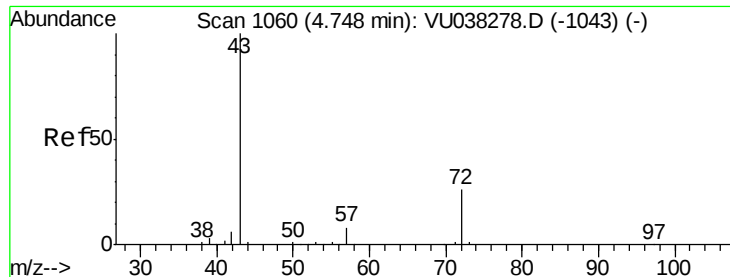
5000

0

Time-->

3.15 3.20 3.25 3.30

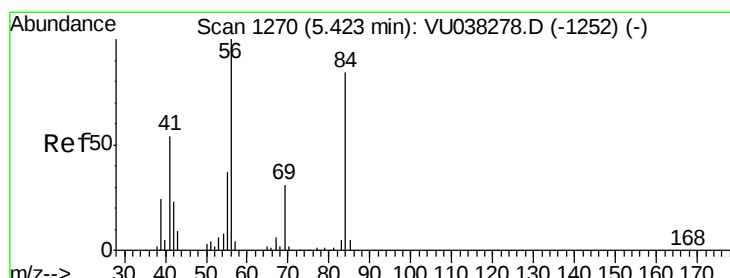
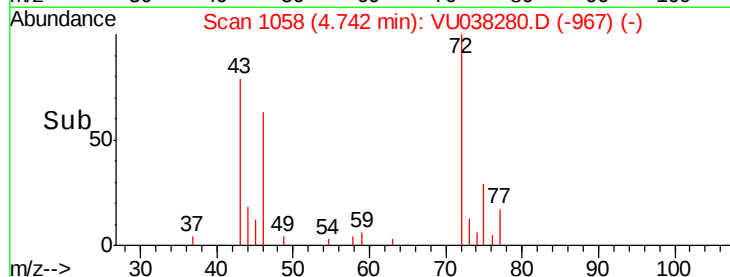
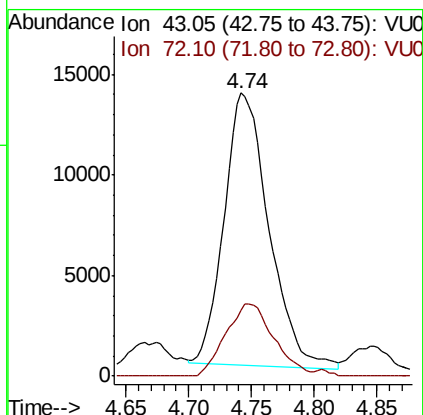
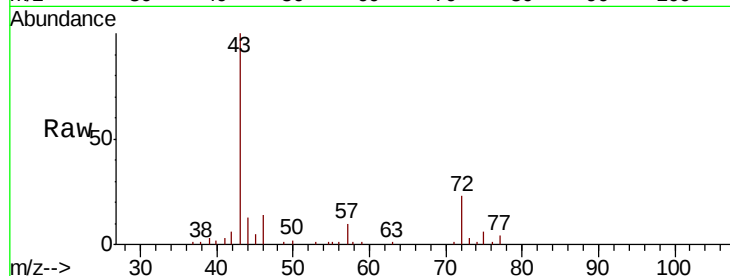




#21
2-Butanone
Concen: 3.501 ug/L
RT: 4.74 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VU038280.D
Acq: 22 May 2020 16:20

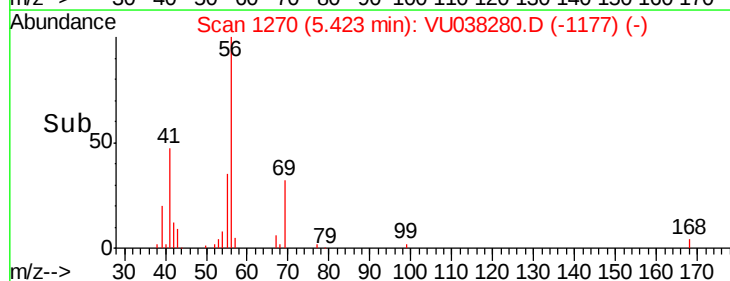
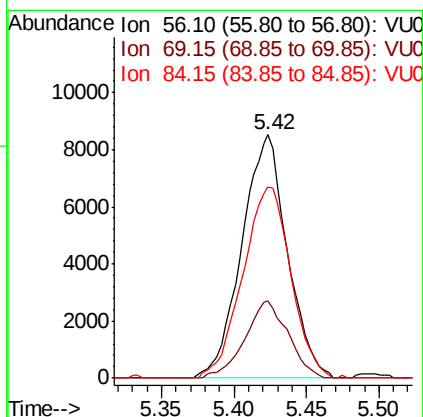
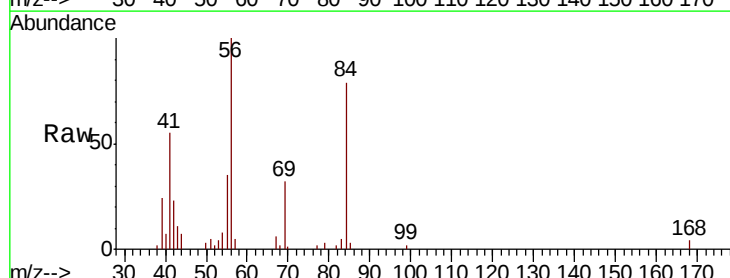
Instrument :
MSVOA_U
ClientSampled :

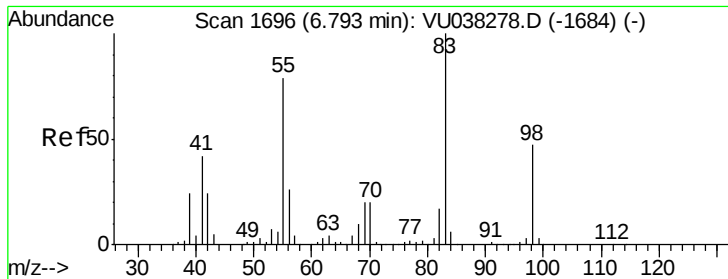
Tot Ion: 43 Resp: 33664
Ion Ratio Lower Upper
43 100
72 28.5 13.5 40.4



#30
Cyclohexane
Concen: 0.375 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU038280.D
Acq: 22 May 2020 16:20

Tgt Ion: 56 Resp: 18624
Ion Ratio Lower Upper
56 100
69 30.0 24.2 36.4
84 82.6 68.5 102.7

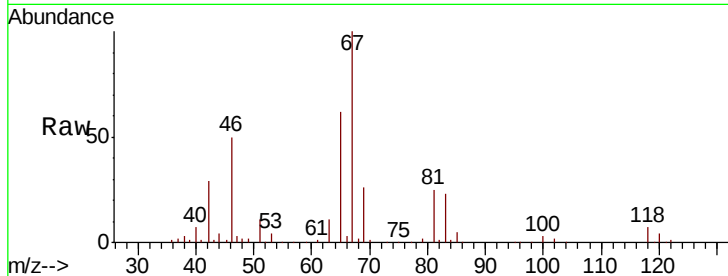




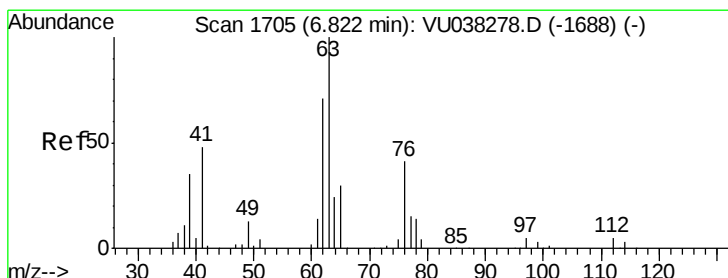
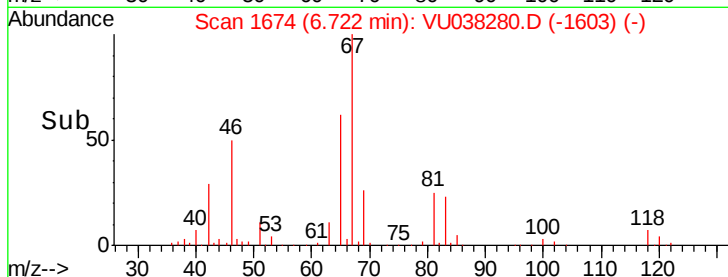
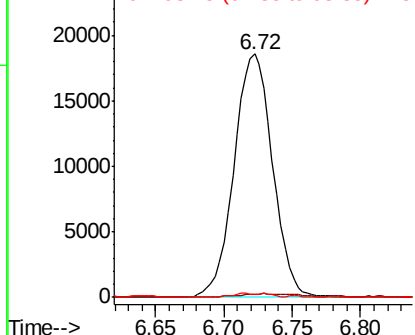
#35
Methvlcvclohexane
Concen: 0.763 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU038280.D
Acq: 22 May 2020 16:20

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 36366
Ion Ratio Lower Upper
83 100
55 1.3 66.7 100.1#
98 0.6 39.4 59.2#

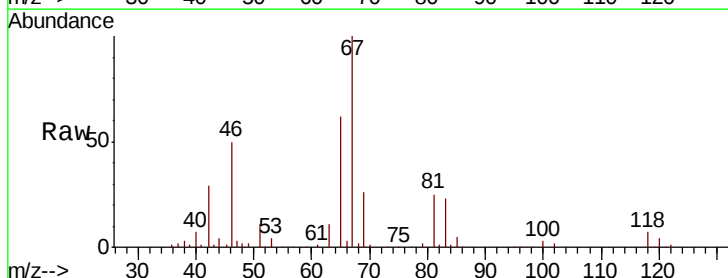


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

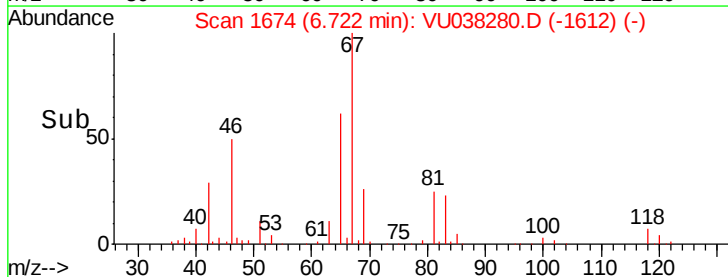
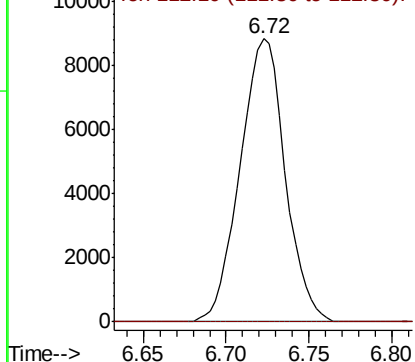


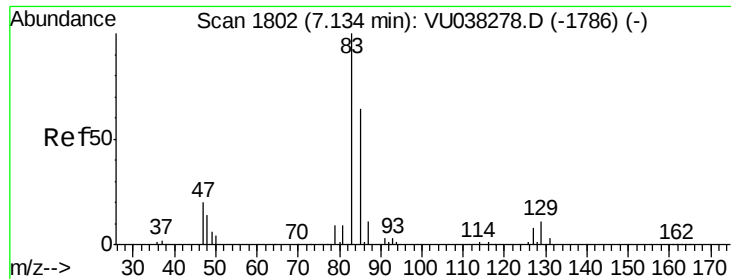
#37
1,2-Dichloropropane
Concen: 0.523 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.10 min
Lab File: VU038280.D
Acq: 22 May 2020 16:20

Tgt Ion: 63 Resp: 16706
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#38

Bromodichloromethane

Concen: 0.210 ug/L

RT: 7.16 min Scan# 1809

Delta R.T. 0.02 min

Lab File: VU038280.D

Acq: 22 May 2020 16:20

Instrument :

MSVOA_U

ClientSampleId :

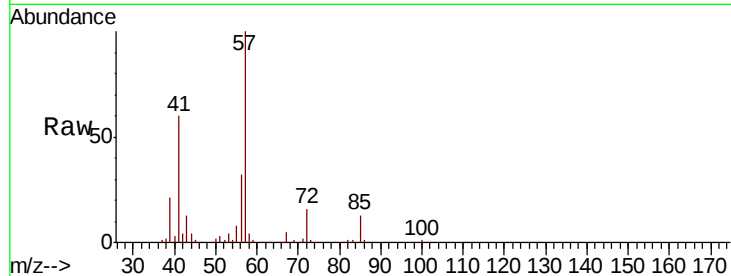
Tot Ion: 83 Resp: 7752

Ion Ratio Lower Upper

83 100

85 924.7 44.6 82.8#

127 0.0 6.4 9.6#

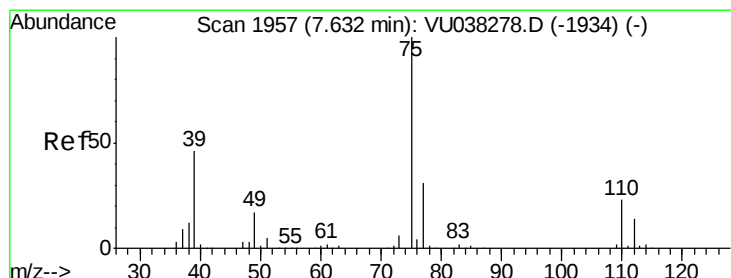
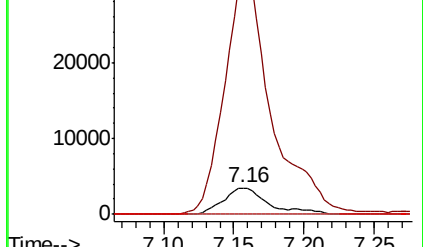
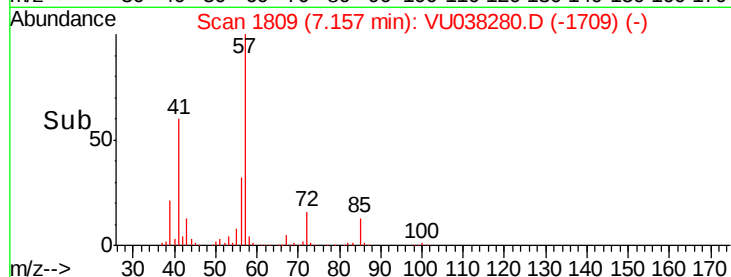


Abundance Ion 82.95 (82.65 to 83.65): VU038280.D (-1786) (-)

Ion 85.00 (84.70 to 85.70): VU038280.D (-1786) (-)

Ion 126.90 (126.60 to 127.60): VU038280.D (-1786) (-)

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.086 ug/L

RT: 7.59 min Scan# 1944

Delta R.T. -0.04 min

Lab File: VU038280.D

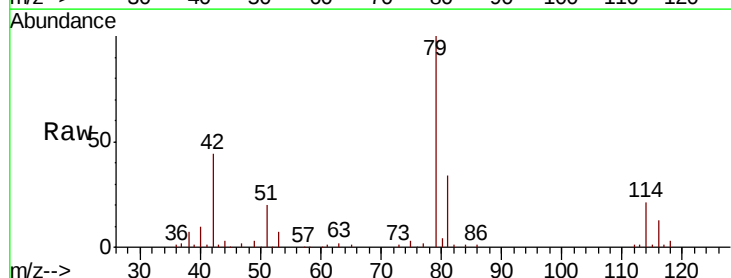
Acq: 22 May 2020 16:20

Tgt Ion: 75 Resp: 3935

Ion Ratio Lower Upper

75 100

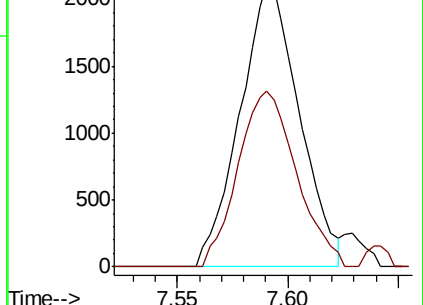
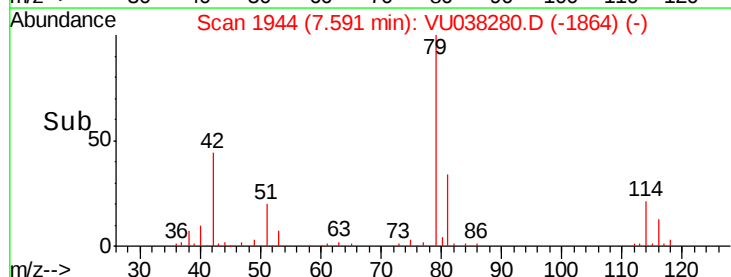
77 62.2 22.4 41.6#

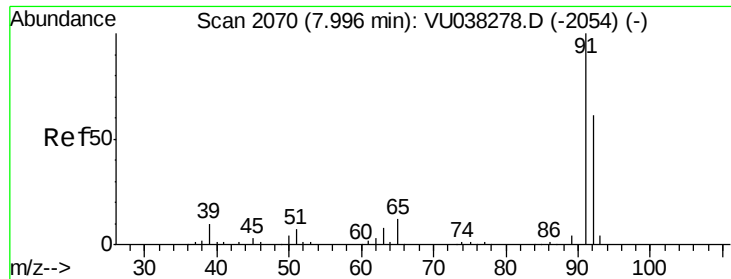


Abundance Ion 75.05 (74.75 to 75.75): VU038280.D (-1864) (-)

Ion 77.05 (76.75 to 77.75): VU038280.D (-1864) (-)

Time-->





#42

Toluene

Concen: 0.230 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU038280.D

Acq: 22 May 2020 16:20

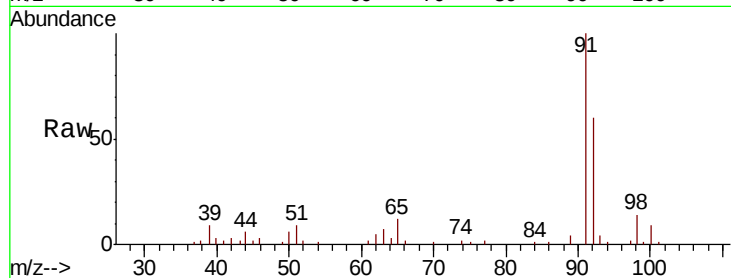
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 28598

Ion Ratio Lower Upper

91 100

92 60.0 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU038280.D (-1977) (-)

Ion 92.15 (91.85 to 92.85): VU038280.D (-1977) (-)

8.00

15000

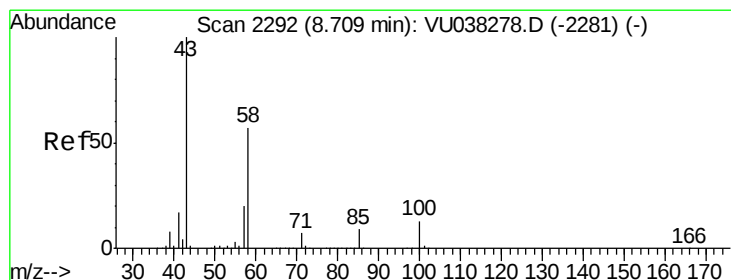
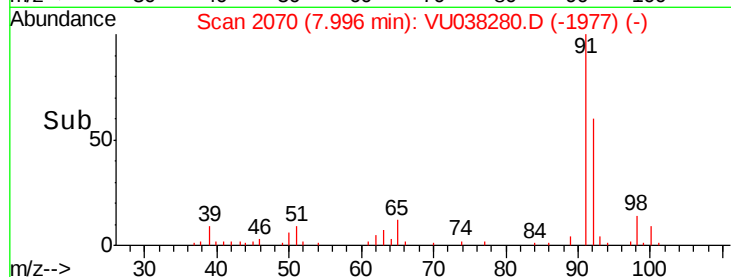
10000

5000

0

Time-->

7.90 7.95 8.00 8.05 8.10



#48

2-Hexanone

Concen: 2.670 ug/L

RT: 8.71 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VU038280.D

Acq: 22 May 2020 16:20

Tgt Ion: 43 Resp: 43276

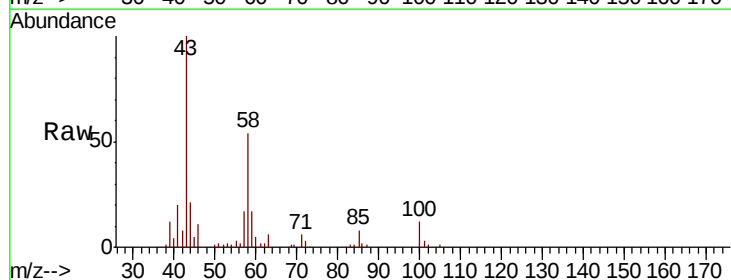
Ion Ratio Lower Upper

43 100

58 53.4 45.2 67.8

57 28.8 15.5 23.3#

100 11.4 9.5 14.3



Abundance Ion 43.05 (42.75 to 43.75): VU038280.D (-2199) (-)

Ion 58.05 (57.75 to 58.75): VU038280.D (-2199) (-)

Ion 57.20 (56.90 to 57.90): VU038280.D (-2199) (-)

Ion 100.15 (99.85 to 100.85): VU038280.D (-2199) (-)

8.71

30000

25000

20000

15000

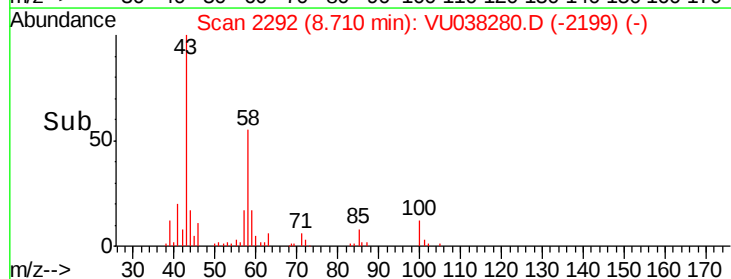
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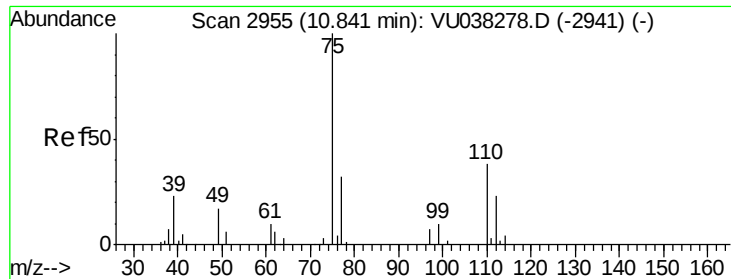
5000

0

Time-->

8.65 8.70 8.75 8.80

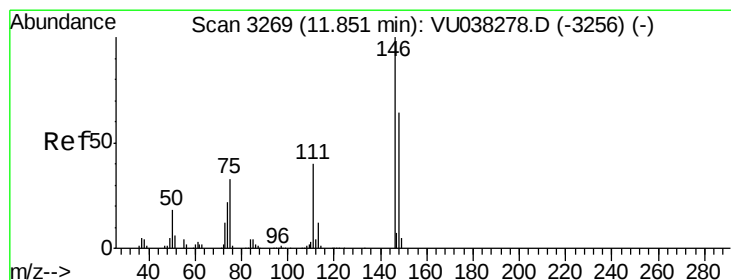
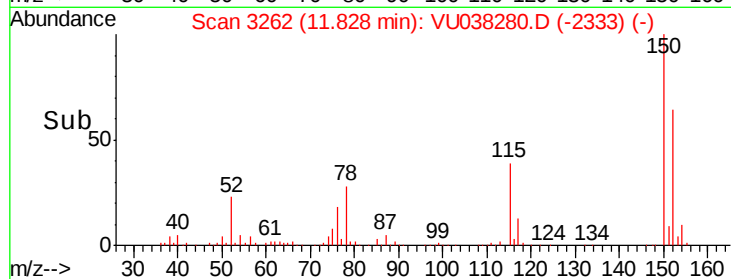
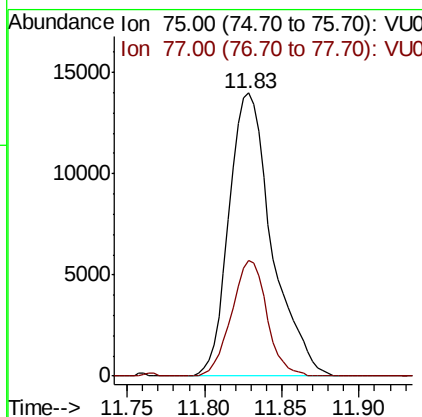
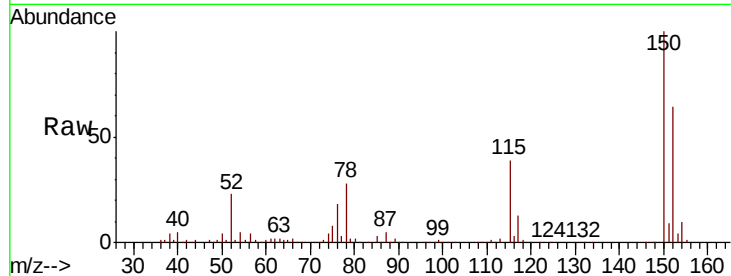




#59
 1,2,3-Trichloropropane
 Concen: 1.255 ug/L
 RT: 11.83 min Scan# 3262
 Delta R.T. 0.99 min
 Lab File: VU038280.D
 Acq: 22 May 2020 16:20

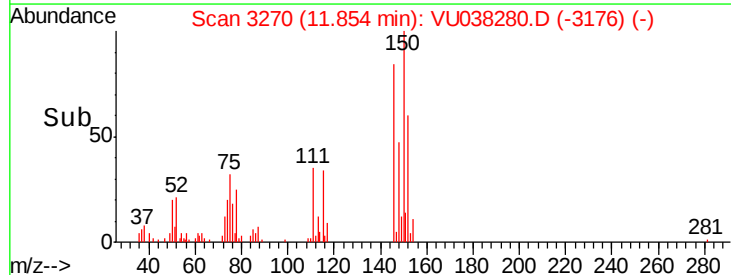
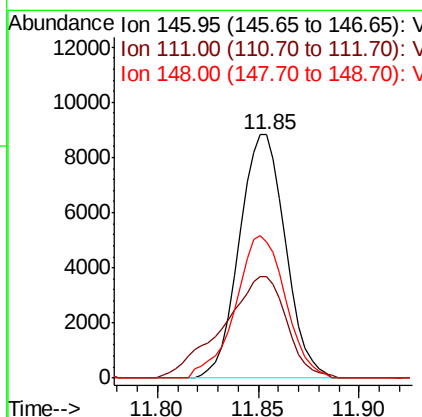
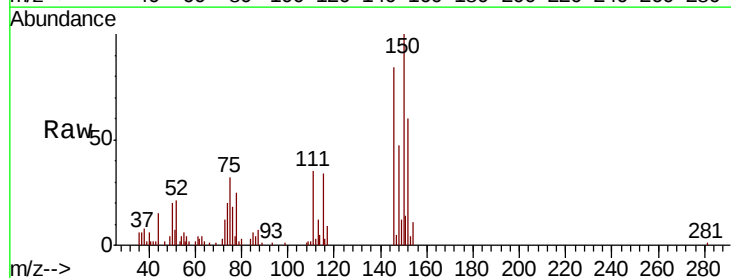
Instrument :
 MSVOA_U
 ClientSampleId :

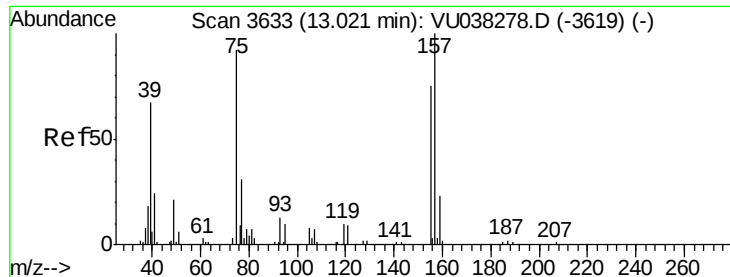
Tot Ion: 75 Resp: 26901
 Ion Ratio Lower Upper
 75 100
 77 33.6 25.4 38.0



#63
 1,4-Dichlorobenzene
 Concen: 0.238 ug/L
 RT: 11.85 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU038280.D
 Acq: 22 May 2020 16:20

Tgt Ion: 146 Resp: 14105
 Ion Ratio Lower Upper
 146 100
 111 41.8 27.2 50.6
 148 55.9 43.8 81.3

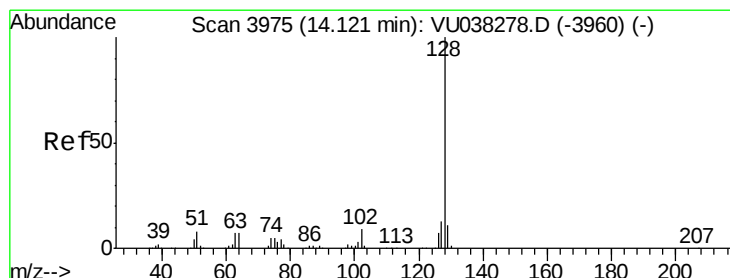
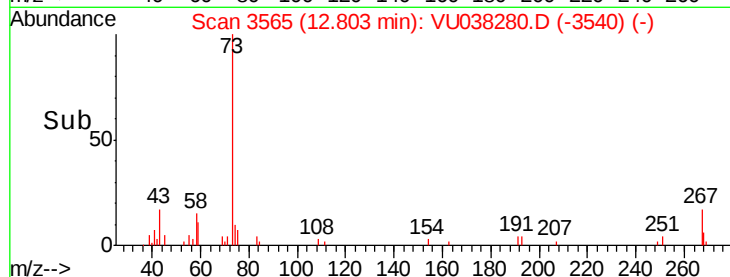
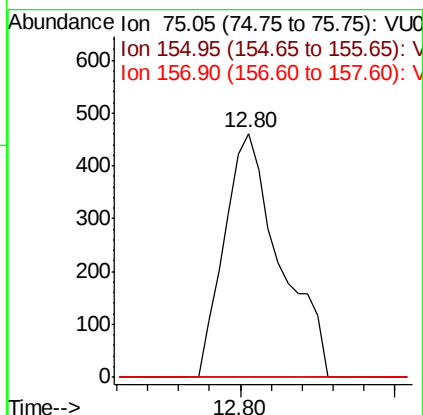
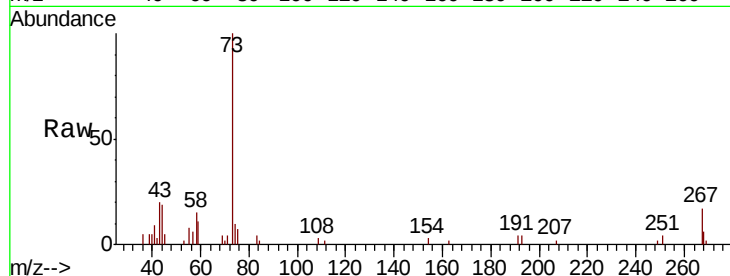




#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.126 ug/L
 RT: 12.80 min Scan# 3565
 Delta R.T. -0.22 min
 Lab File: VU038280.D
 Acq: 22 May 2020 16:20

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 579
 Ion Ratio Lower Upper
 75 100
 155 0.0 58.2 87.2#
 157 0.0 72.9 109.3#



#69
 Naphthalene
 Concen: 0.791 ug/L
 RT: 14.12 min Scan# 3976
 Delta R.T. 0.00 min
 Lab File: VU038280.D
 Acq: 22 May 2020 16:20

Tgt Ion: 128 Resp: 64019
 Ion Ratio Lower Upper
 128 100
 129 11.1 8.7 13.1
 127 13.5 10.2 15.4

