

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061220\
 Data File : VU038823.D
 Acq On : 11 Jun 2020 14:38
 Operator : SY/MD
 Sample : L2933-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AH7

Quant Time: Jun 12 01:05:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 12 01:02:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	284642	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	285111	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	134253	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	67826	3.68	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.60%
7) Chloroethane-d5	1.93	69	67563	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.40%
11) 1,1-Dichloroethene-d2	2.59	63	117660	3.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.00%
20) 2-Butanone-d5	4.67	46	319056	57.01	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.02%
24) Chloroform-d	5.10	84	182235	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.40%
26) 1,2-Dichloroethane-d4	5.74	65	108799	5.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.80%
32) Benzene-d6	5.76	84	348056	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.72	67	109238	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.80%
41) Toluene-d8	7.92	98	285437	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
43) trans-1,3-Dichloropropene-	8.20	79	42878	4.55	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.00%
46) 2-Hexanone-d5	8.65	63	261395	56.23	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.46%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	99460	5.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.00%
64) 1,2-Dichlorobenzene-d4	12.20	152	122232	5.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.60%

Target Compounds

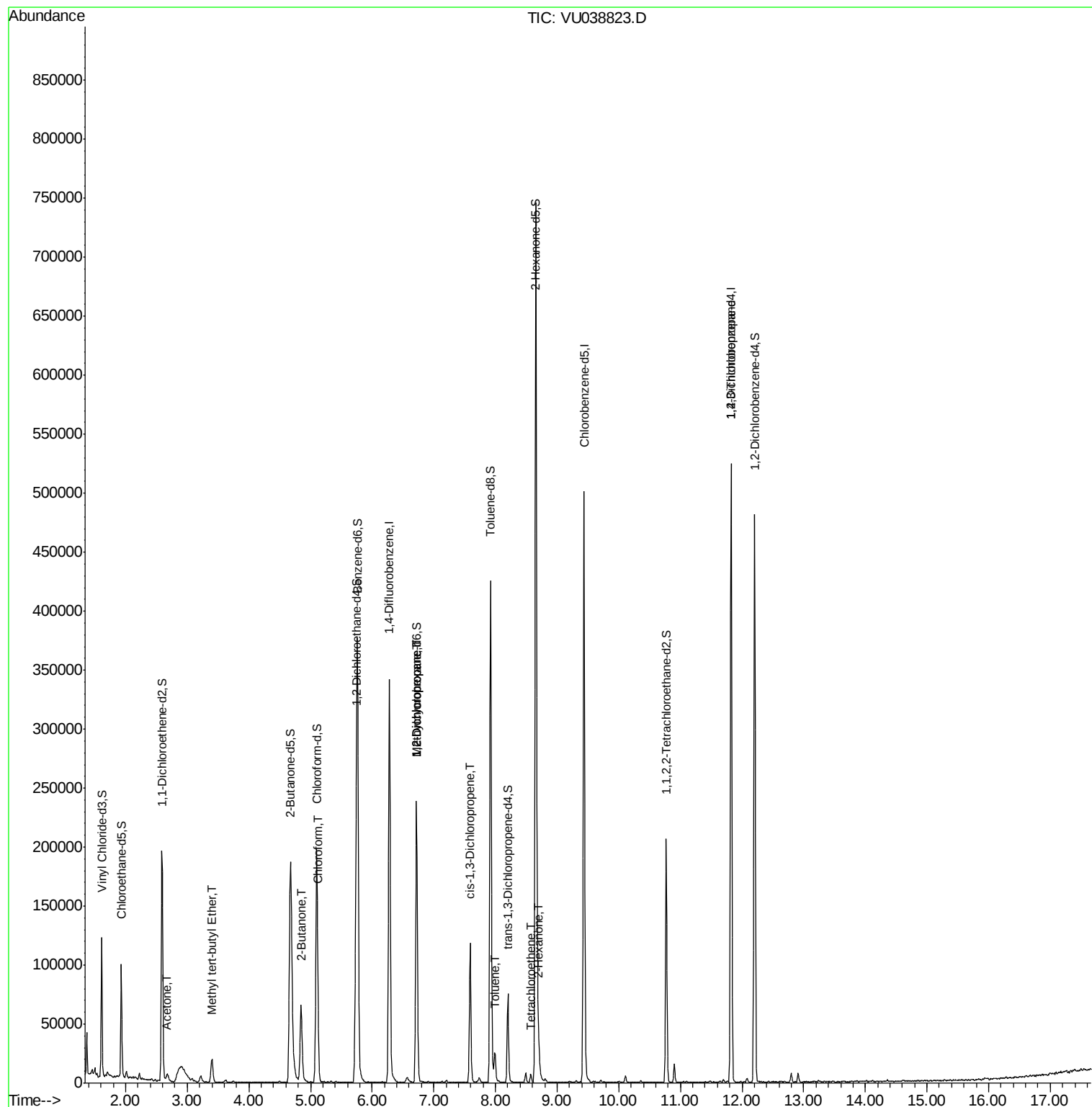
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.68	43	11691	3.192	ug/L	66
17) Methyl tert-butyl Ether	3.40	73	20509	0.446	ug/L #	91
21) 2-Butanone	4.85	43	92655	15.041	ug/L #	50
25) Chloroform	5.12	83	8462	0.246	ug/L	93
35) Methylcyclohexane	6.72	83	27356	0.856	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	12510	0.625	ug/L #	86
39) cis-1,3-Dichloropropene	7.59	75	3008	0.102	ug/L #	61
42) Toluene	7.99	91	15452	0.185	ug/L	99
47) Tetrachloroethene	8.57	164	1504	0.100	ug/L	86
48) 2-Hexanone	8.70	43	13681	1.263	ug/L #	90
59) 1,2,3-Trichloropropane	11.82	75	16127	1.080	ug/L #	87

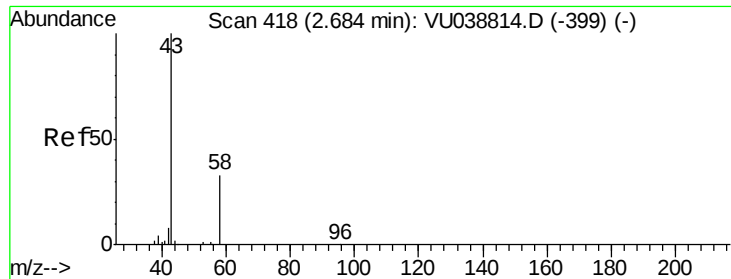
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 12 01:02:05 2020
Response via : Initial Calibration





#13

Acetone

Concen: 3.192 ug/L

RT: 2.68 min Scan# 416

Delta R.T. -0.01 min

Lab File: VU038823.D

Acq: 11 Jun 2020 14:38

Instrument :

MSVOA_U

ClientSampleId :

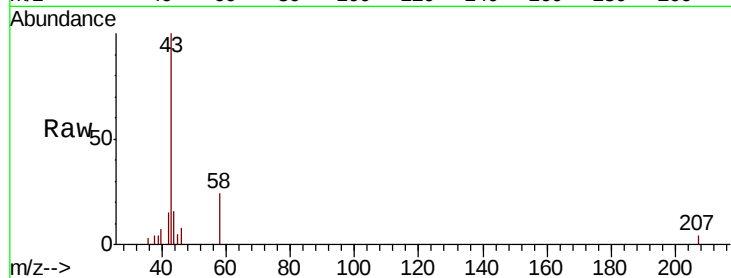
C0AH7

Tot Ion: 43 Resp: 11691

Ion Ratio Lower Upper

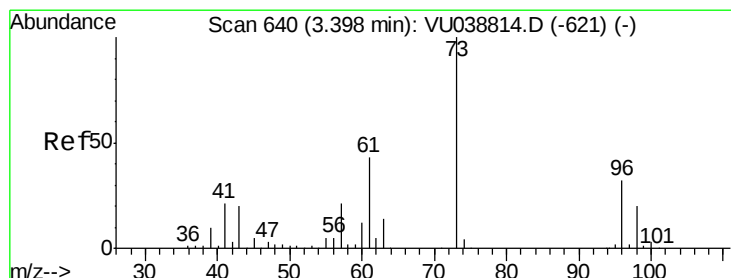
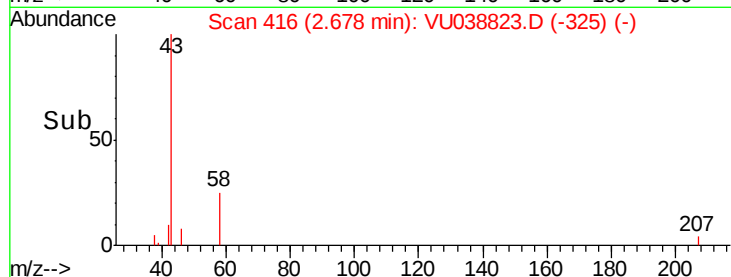
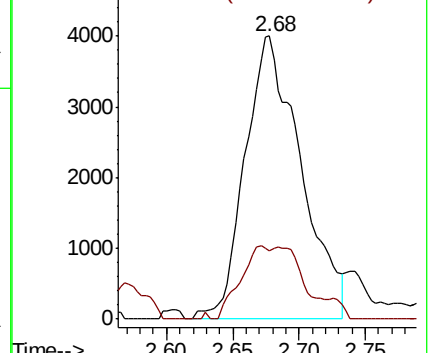
43 100

58 13.5 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038814.D (-399) (-)

Ion 58.05 (57.75 to 58.75): VU038814.D (-399) (-)



#17

Methyl tert-butyl Ether

Concen: 0.446 ug/L

RT: 3.40 min Scan# 641

Delta R.T. 0.00 min

Lab File: VU038823.D

Acq: 11 Jun 2020 14:38

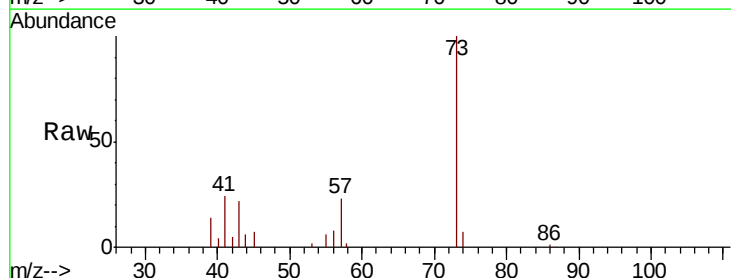
Tgt Ion: 73 Resp: 20509

Ion Ratio Lower Upper

73 100

43 23.2 15.5 23.3

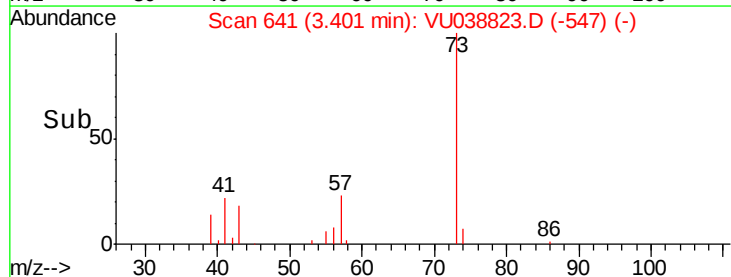
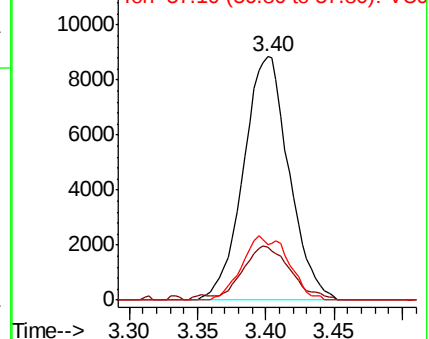
57 26.8 17.8 26.6#

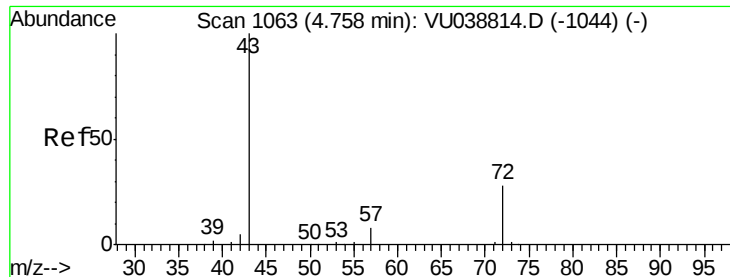


Abundance Ion 73.10 (72.80 to 73.80): VU038814.D (-621) (-)

Ion 43.05 (42.75 to 43.75): VU038814.D (-621) (-)

Ion 57.10 (56.80 to 57.80): VU038814.D (-621) (-)





#21

2-Butanone

Concen: 15.041 ug/L

RT: 4.85 min Scan# 1091

Delta R.T. 0.09 min

Lab File: VU038823.D

Acq: 11 Jun 2020 14:38

Instrument :

MSVOA_U

ClientSampleId :

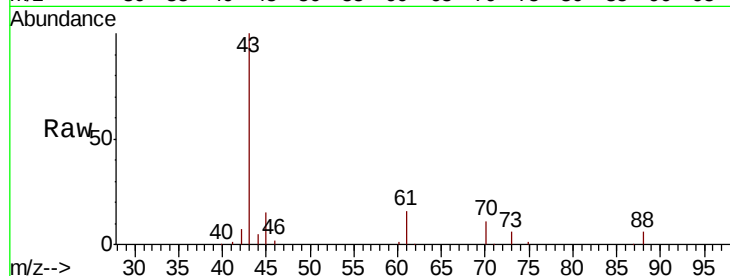
C0AH7

Tot Ion: 43 Resp: 92655

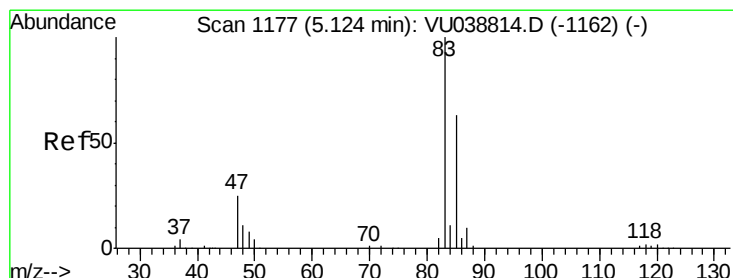
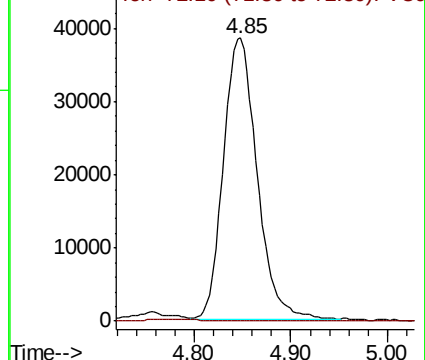
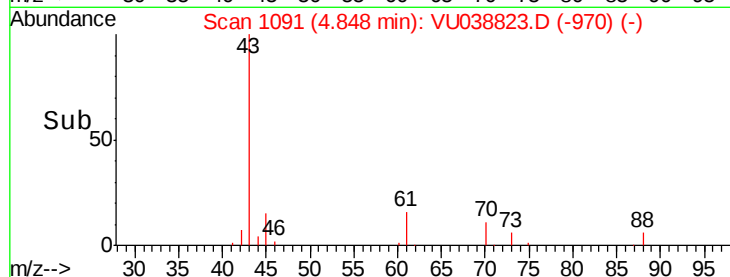
Ion Ratio Lower Upper

43 100

72 0.0 12.6 37.8#



Abundance Ion 43.05 (42.75 to 43.75): VU038823.D (-970) (-)



#25

Chloroform

Concen: 0.246 ug/L

RT: 5.12 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VU038823.D

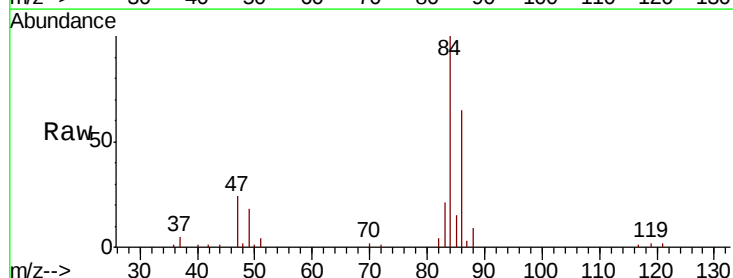
Acq: 11 Jun 2020 14:38

Tgt Ion: 83 Resp: 8462

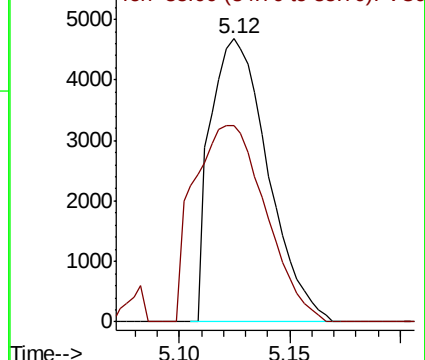
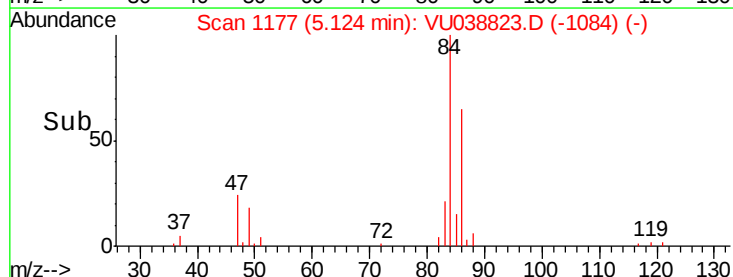
Ion Ratio Lower Upper

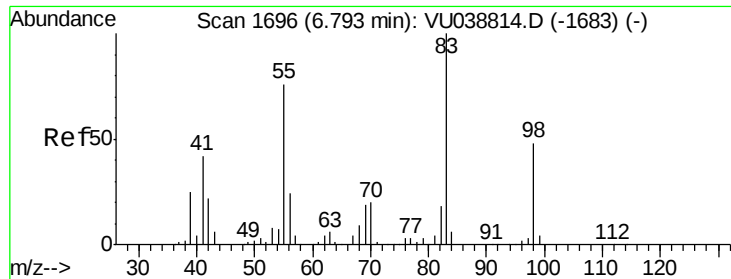
83 100

85 69.3 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VU038823.D (-1084) (-)

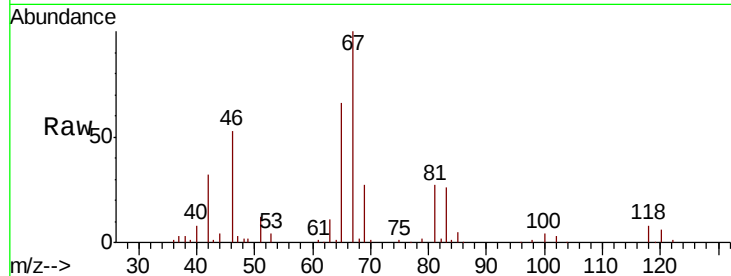




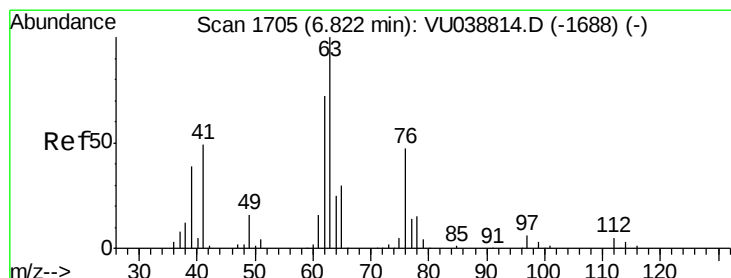
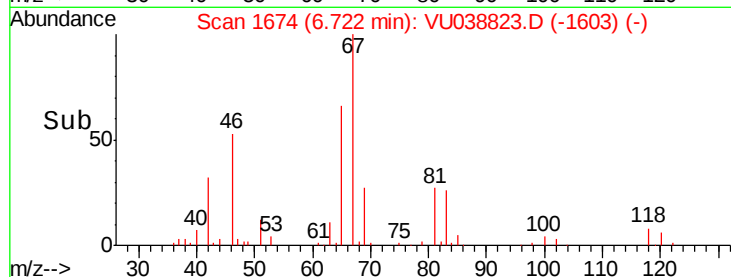
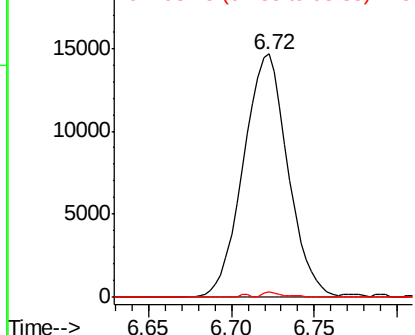
#35
Methvlcvclohexane
Concen: 0.856 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU038823.D
Acq: 11 Jun 2020 14:38

Instrument :
MSVOA_U
ClientSampleId :
C0AH7

Tot Ion	83.15	Resp	27356
Ion	Ratio	Lower	Upper
83	100		
55	0.0	63.4	95.2#
98	1.1	39.0	58.4#

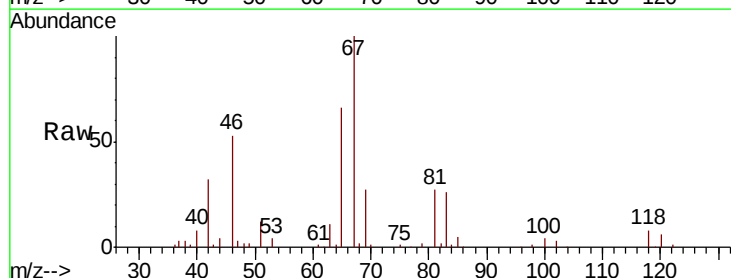


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

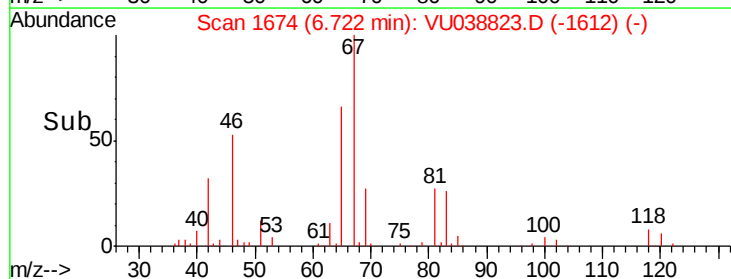
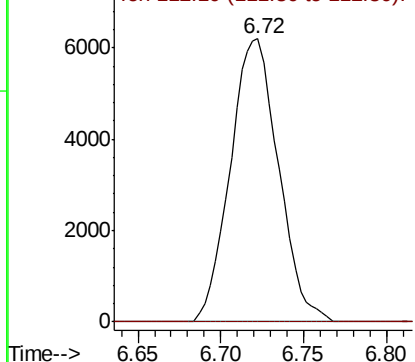


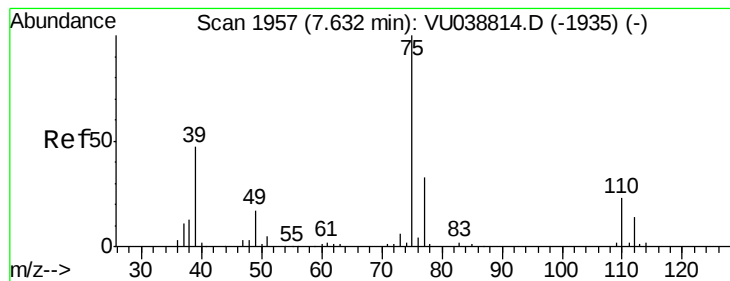
#37
1,2-Dichloropropane
Concen: 0.625 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.10 min
Lab File: VU038823.D
Acq: 11 Jun 2020 14:38

Tgt Ion	63	Resp	12510
Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.7	5.5#



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



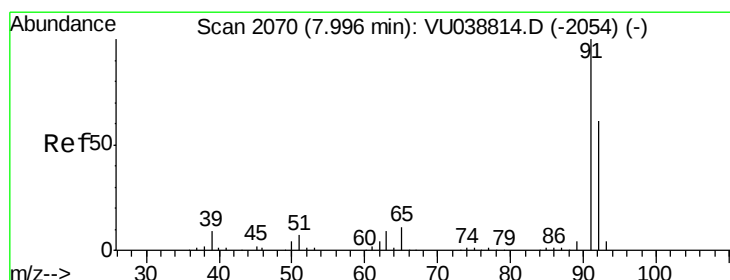
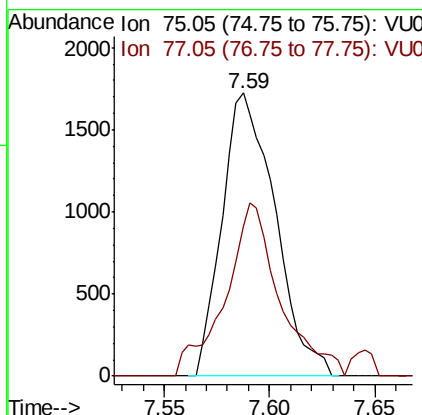
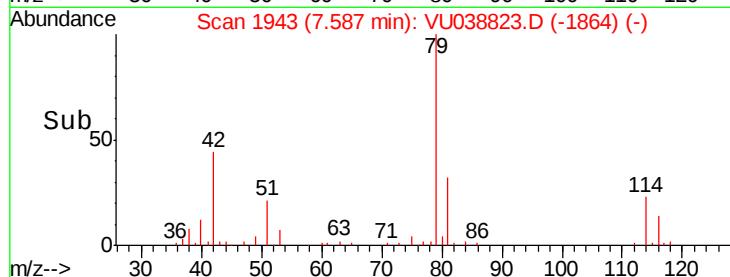
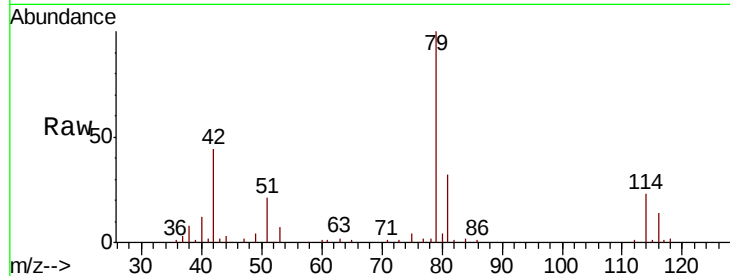


#39

cis-1,3-Dichloropropene
 Concen: 0.102 ug/L
 RT: 7.59 min Scan# 1943
 Delta R.T. -0.04 min
 Lab File: VU038823.D
 Acq: 11 Jun 2020 14:38

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AH7

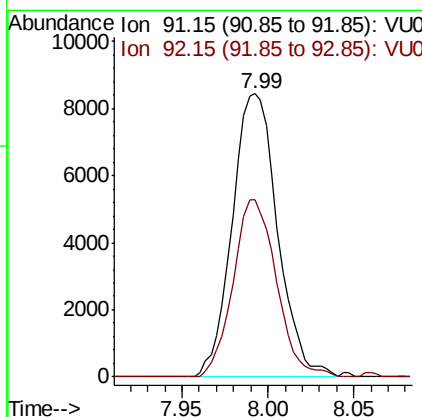
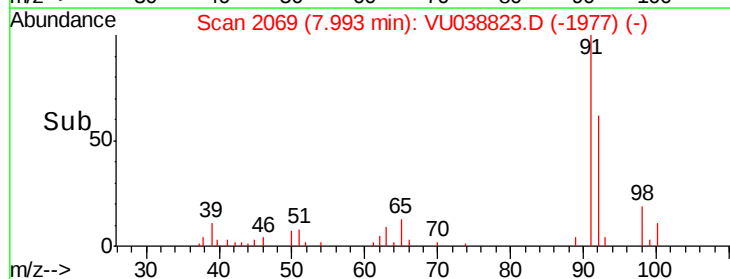
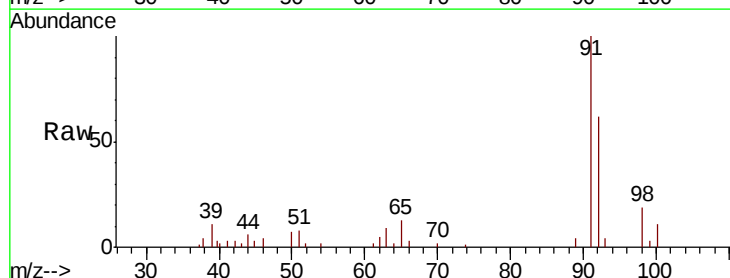
Tot Ion: 75 Resp: 3008
 Ion Ratio Lower Upper
 75 100
 77 52.9 21.9 40.7#

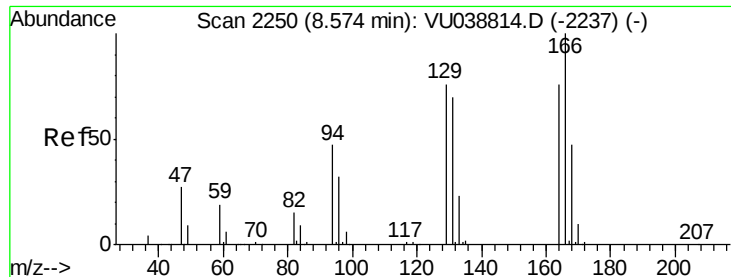


#42

Toluene
 Concen: 0.185 ug/L
 RT: 7.99 min Scan# 2069
 Delta R.T. -0.00 min
 Lab File: VU038823.D
 Acq: 11 Jun 2020 14:38

Tgt Ion: 91 Resp: 15452
 Ion Ratio Lower Upper
 91 100
 92 62.5 43.0 79.8





#47

Tetrachloroethene

Concen: 0.100 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.00 min

Lab File: VU038823.D

Acq: 11 Jun 2020 14:38

Instrument :

MSVOA_U

ClientSampleId :

C0AH7

Tot Ion:164 Resp: 1504

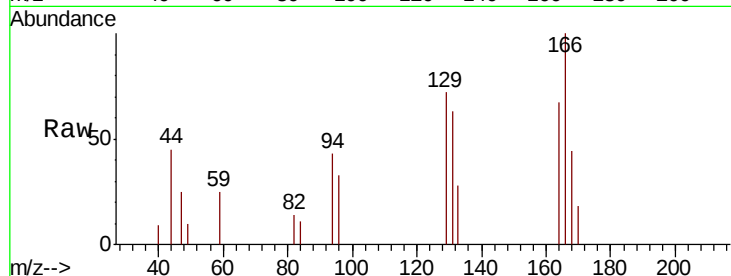
Ion Ratio Lower Upper

164 100

129 107.6 67.4 125.2

131 94.6 64.1 119.1

166 149.2 85.7 159.1

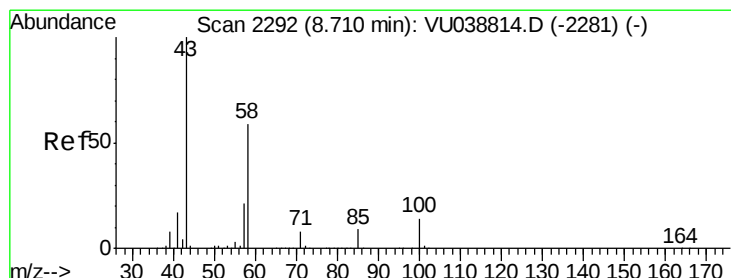
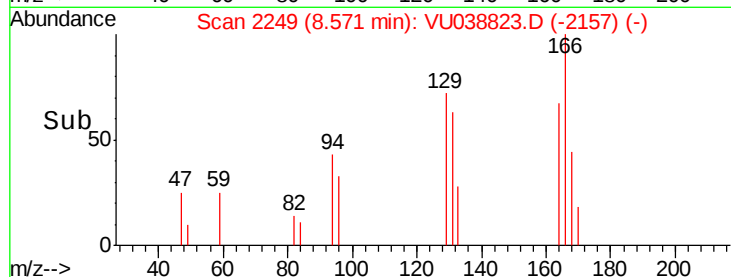
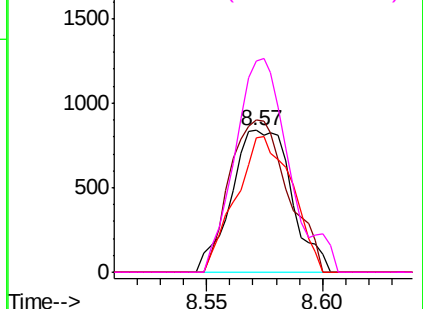


Abundance Ion 163.90 (163.60 to 164.60): V

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



#48

2-Hexanone

Concen: 1.263 ug/L

RT: 8.70 min Scan# 2290

Delta R.T. -0.01 min

Lab File: VU038823.D

Acq: 11 Jun 2020 14:38

Tgt Ion: 43 Resp: 13681

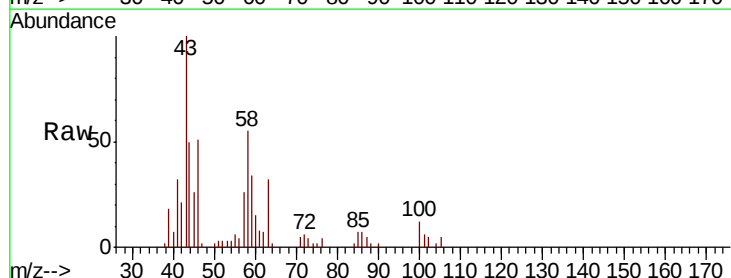
Ion Ratio Lower Upper

43 100

58 50.4 45.4 68.0

57 27.5 15.9 23.9#

100 11.0 10.5 15.7

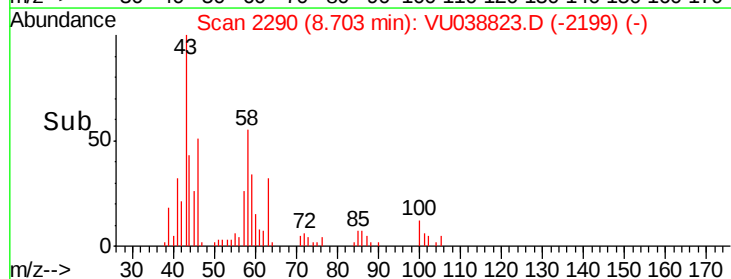
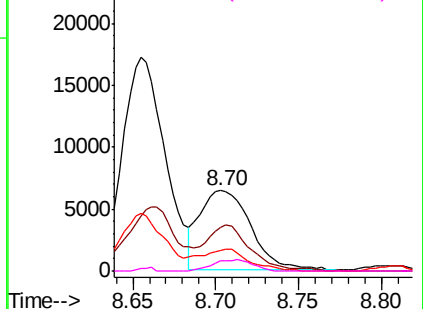


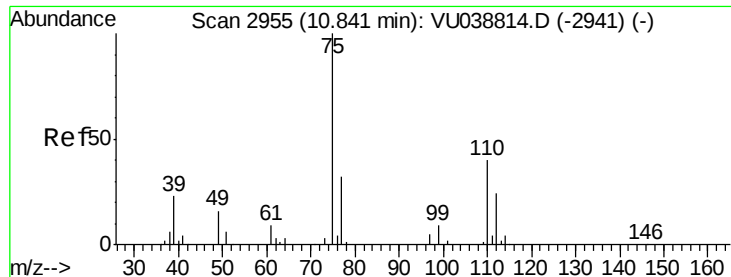
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#59

1,2,3-Trichloropropane

Concen: 1.080 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU038823.D

Acq: 11 Jun 2020 14:38

Instrument :

MSVOA_U

ClientSampleId :

C0AH7

Tot Ion: 75 Resp: 16127

Ion Ratio Lower Upper

75 100

77 39.2 25.4 38.2#

