

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051420\
 Data File : VU038166.D
 Acq On : 14 May 2020 14:00
 Operator : JC/MD
 Sample : L2631-04DL 4X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 15 01:08:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 15 01:05:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	362485	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	352850	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	168964	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	110749	3.34	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.80%
7) Chloroethane-d5	1.93	69	109844	3.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.60%
11) 1,1-Dichloroethene-d2	2.59	63	151813	2.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.80%#
20) 2-Butanone-d5	4.67	46	454482	55.56	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.12%
24) Chloroform-d	5.10	84	216788	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.20%
26) 1,2-Dichloroethane-d4	5.74	65	133275	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
32) Benzene-d6	5.76	84	457748	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.60%
36) 1,2-Dichloropropane-d6	6.72	67	153276	4.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.80%
41) Toluene-d8	7.92	98	401284	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.40%
43) trans-1,3-Dichloropropene-	8.20	79	56871	4.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.20%
46) 2-Hexanone-d5	8.65	63	366181	56.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.46%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	128811	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.60%
64) 1,2-Dichlorobenzene-d4	12.20	152	151660	4.61	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.20%

Target Compounds

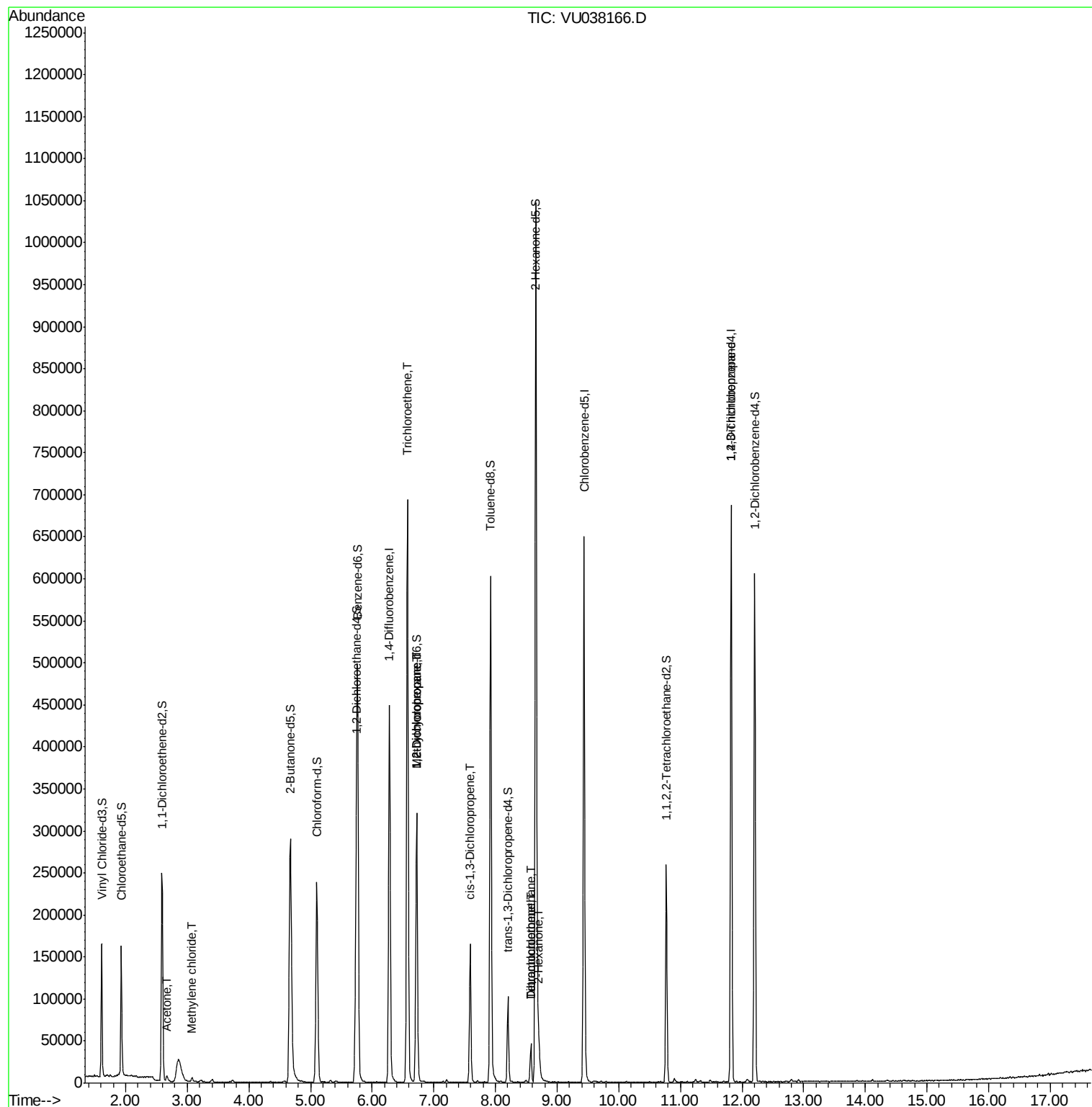
					Ovalue
13) Acetone	2.67	43	9148	1.782	ug/L 94
16) Methylene chloride	3.08	84	2217	0.076	ug/L 86
34) Trichloroethene	6.57	95	236647	8.374	ug/L 98
35) Methylcyclohexane	6.72	83	33352	0.729	ug/L # 16
37) 1,2-Dichloropropane	6.72	63	16411	0.535	ug/L # 88
39) cis-1,3-Dichloropropene	7.59	75	3645	0.083	ug/L # 60
47) Tetrachloroethene	8.57	164	10035	0.508	ug/L 97
48) 2-Hexanone	8.71	43	24889	1.598	ug/L # 90
49) Dibromochloromethane	8.57	129	9502	0.430	ug/L # 10
59) 1,2,3-Trichloropropane	11.83	75	22831	1.108	ug/L 90

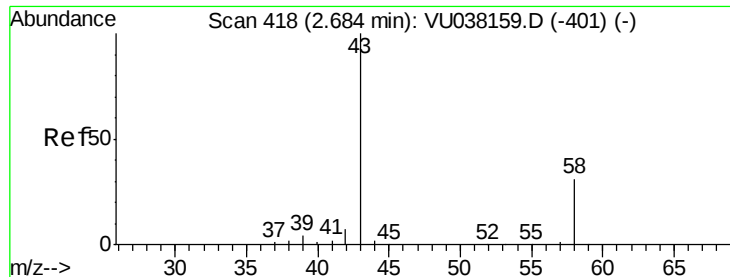
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 15 01:05:40 2020
Response via : Initial Calibration





#13

Acetone

Concen: 1.782 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.01 min

Lab File: VU038166.D

Acq: 14 May 2020 14:00

Instrument :

MSVOA_U

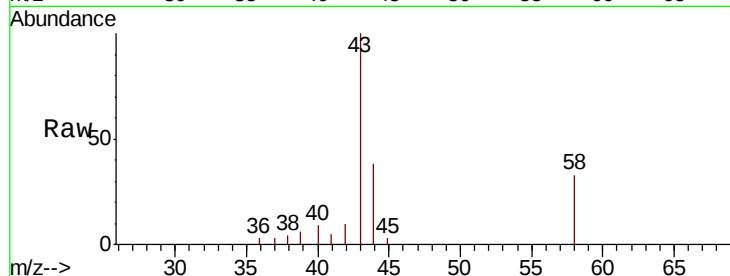
ClientSampleId :

Tot Ion: 43 Resp: 9148

Ion Ratio Lower Upper

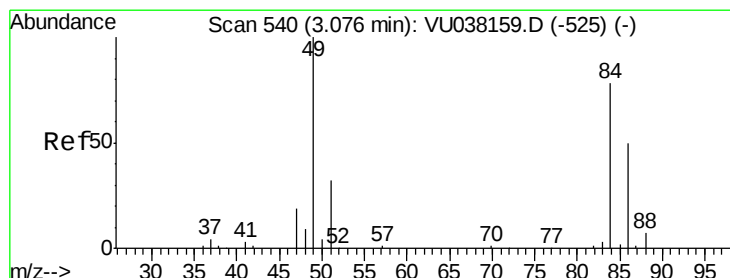
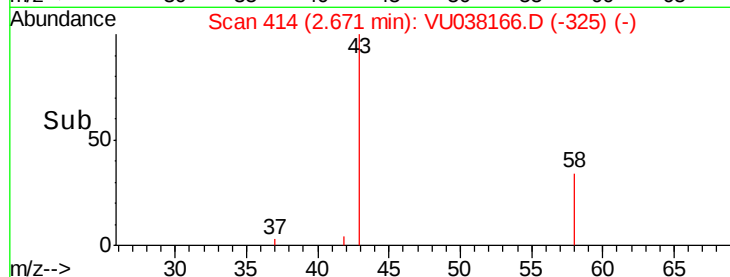
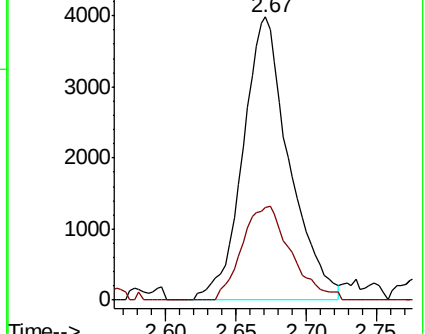
43 100

58 35.1 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU038159.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU038159.D (-401) (-)



#16

Methylene chloride

Concen: 0.076 ug/L

RT: 3.08 min Scan# 541

Delta R.T. 0.00 min

Lab File: VU038166.D

Acq: 14 May 2020 14:00

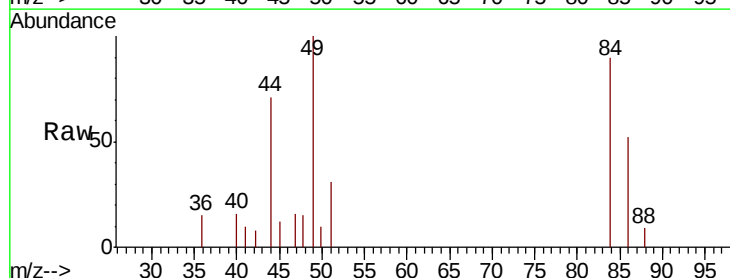
Tgt Ion: 84 Resp: 2217

Ion Ratio Lower Upper

84 100

86 57.6 44.9 83.3

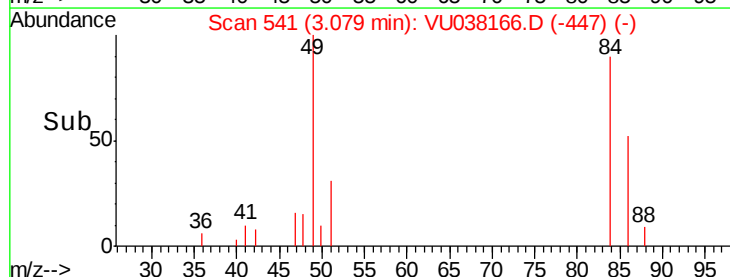
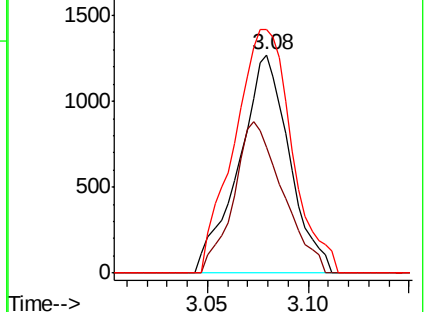
49 111.5 92.0 170.9

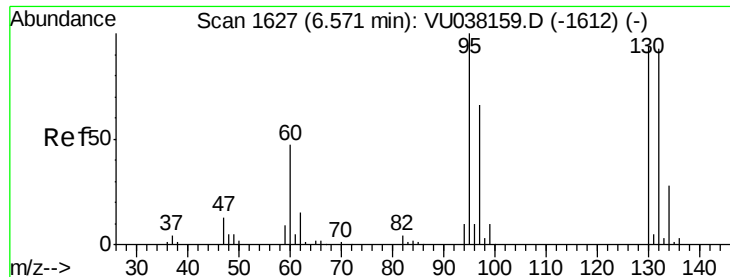


Abundance Ion 84.05 (83.75 to 84.75): VU038159.D (-525) (-)

Ion 86.00 (85.70 to 86.70): VU038159.D (-525) (-)

Ion 49.10 (48.80 to 49.80): VU038159.D (-525) (-)





#34

Trichloroethene

Concen: 8.374 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU038166.D

Acq: 14 May 2020 14:00

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 236647

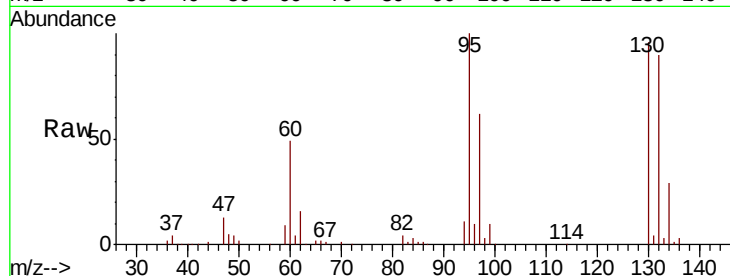
Ion Ratio Lower Upper

95 100

97 62.2 44.9 83.3

132 90.3 63.3 117.5

130 96.4 65.7 122.1

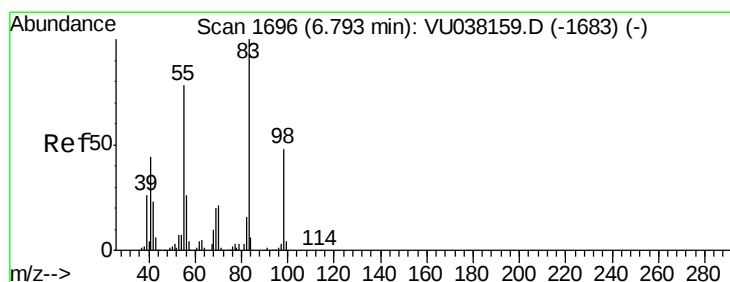
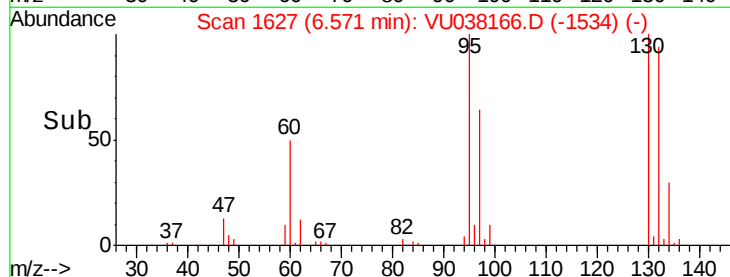
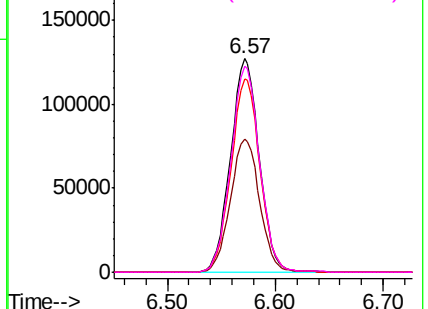


Abundance Ion 95.00 (94.70 to 95.70): VU038159.D (-1612) (-)

Ion 96.95 (96.65 to 97.65): VU038159.D (-1612) (-)

Ion 131.95 (131.65 to 132.65): VU038159.D (-1612) (-)

Ion 129.95 (129.65 to 130.65): VU038159.D (-1612) (-)



#35

Methylcyclohexane

Concen: 0.729 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.07 min

Lab File: VU038166.D

Acq: 14 May 2020 14:00

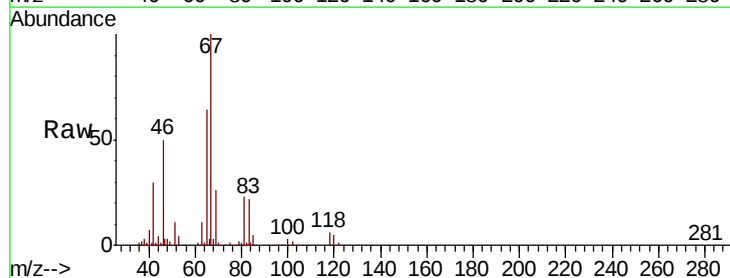
Tgt Ion: 83 Resp: 33352

Ion Ratio Lower Upper

83 100

55 0.6 66.7 100.1#

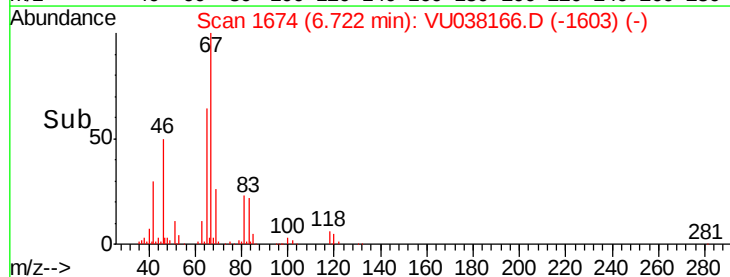
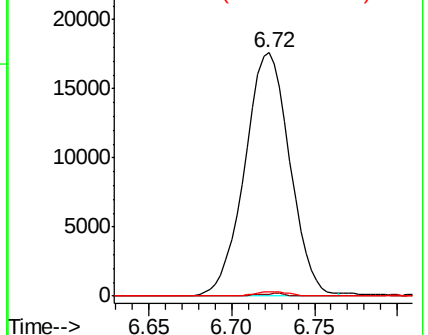
98 1.3 39.4 59.2#

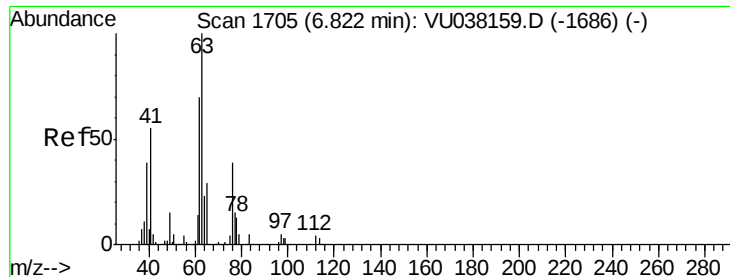


Abundance Ion 83.15 (82.85 to 83.85): VU038159.D (-1683) (-)

Ion 55.10 (54.80 to 55.80): VU038159.D (-1683) (-)

Ion 98.15 (97.85 to 98.85): VU038159.D (-1683) (-)





#37

1,2-Dichloropropane

Concen: 0.535 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.10 min

Lab File: VU038166.D

Acq: 14 May 2020 14:00

Instrument :

MSVOA_U

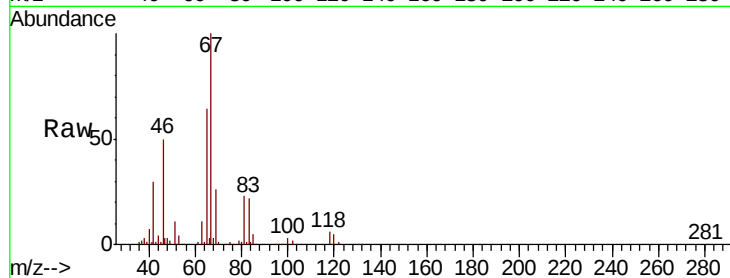
ClientSampleId :

Tot Ion: 63 Resp: 16411

Ion Ratio Lower Upper

63 100

112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU038159.D (-1686) (-)

Ion 112.10 (111.80 to 112.80): VU038159.D (-1686) (-)

6.72

8000

6000

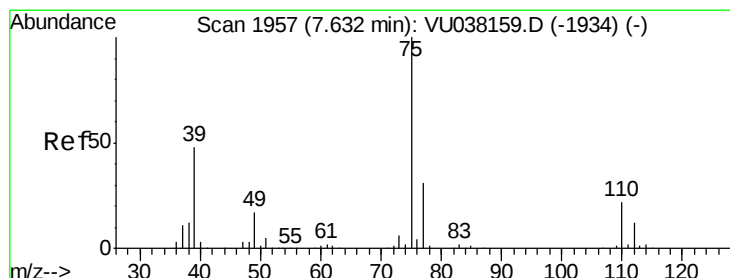
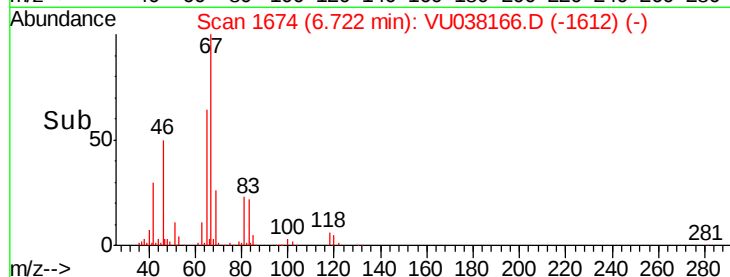
4000

2000

0

6.65 6.70 6.75 6.80

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.083 ug/L

RT: 7.59 min Scan# 1945

Delta R.T. -0.04 min

Lab File: VU038166.D

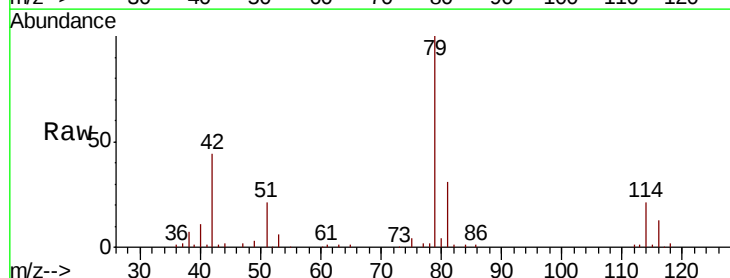
Acq: 14 May 2020 14:00

Tgt Ion: 75 Resp: 3645

Ion Ratio Lower Upper

75 100

77 54.5 22.4 41.6#



Abundance Ion 75.05 (74.75 to 75.75): VU038159.D (-1934) (-)

Ion 77.05 (76.75 to 77.75): VU038159.D (-1934) (-)

7.59

2500

2000

1500

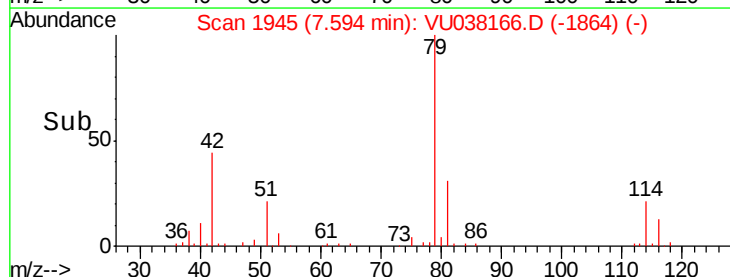
1000

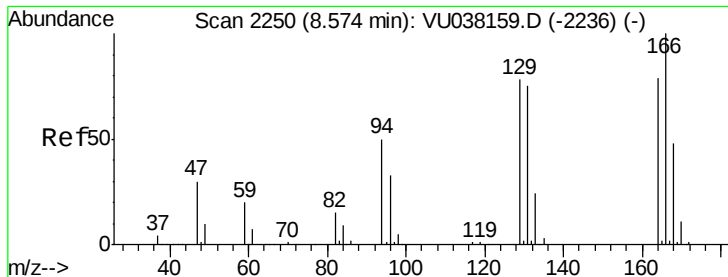
500

0

7.55 7.60 7.65

Time-->





#47

Tetrachloroethene

Concen: 0.508 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU038166.D

Acq: 14 May 2020 14:00

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 10035

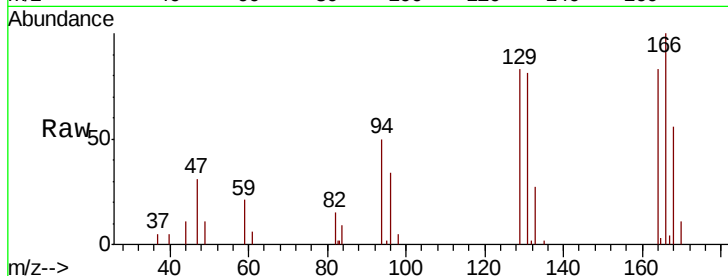
Ion Ratio Lower Upper

164 100

129 99.5 68.8 127.8

131 97.9 66.8 124.2

166 120.4 88.9 165.1

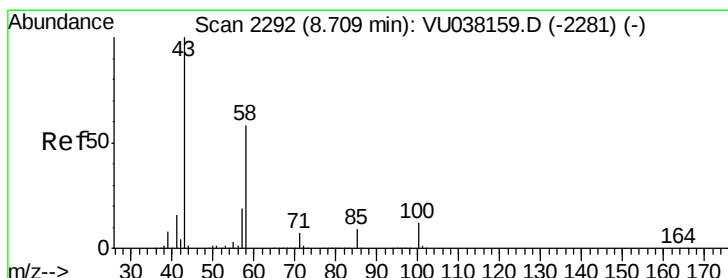
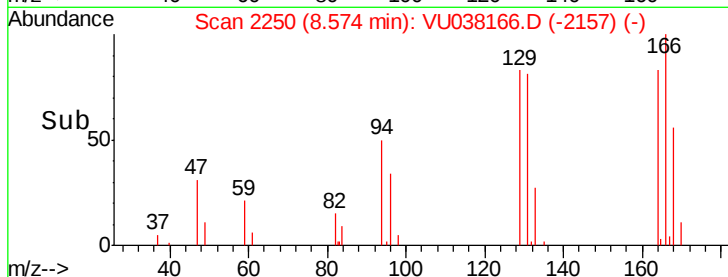
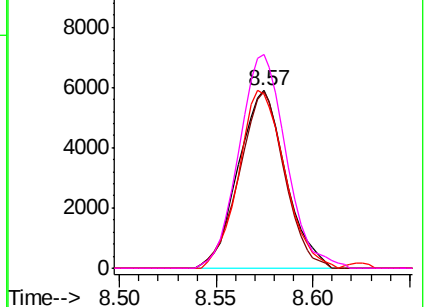


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.598 ug/L

RT: 8.71 min Scan# 2291

Delta R.T. -0.00 min

Lab File: VU038166.D

Acq: 14 May 2020 14:00

Tgt Ion: 43 Resp: 24889

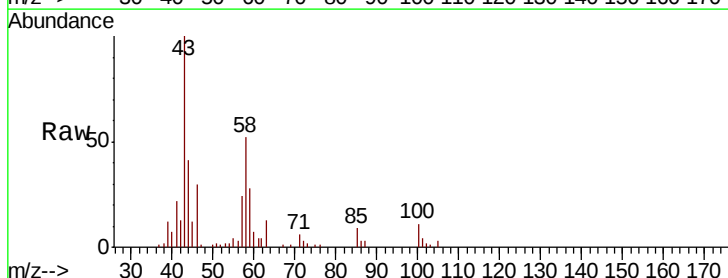
Ion Ratio Lower Upper

43 100

58 49.6 45.2 67.8

57 25.9 15.5 23.3#

100 9.4 9.5 14.3#

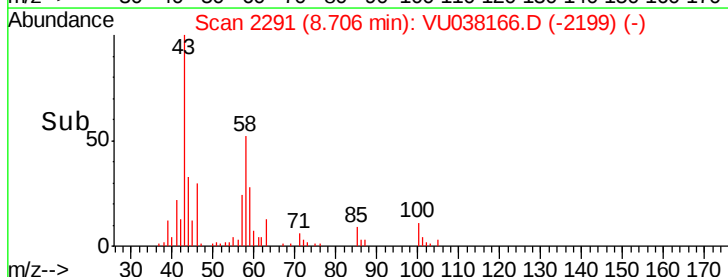
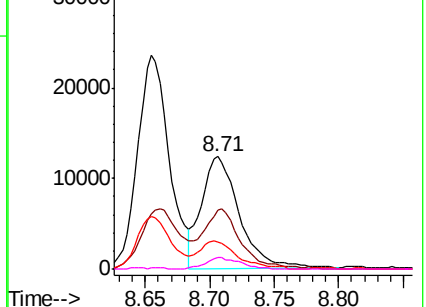


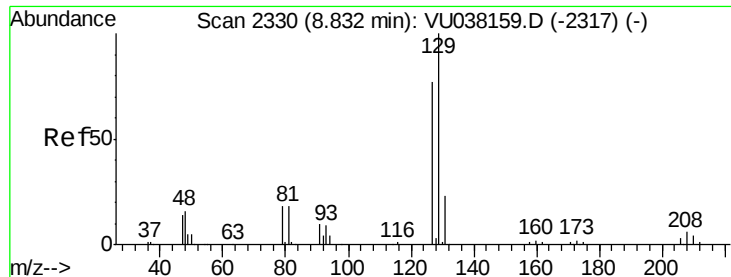
Abundance Ion 43.05 (42.75 to 43.75): VU0

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

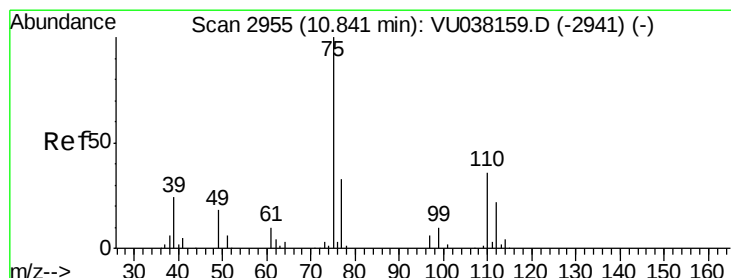
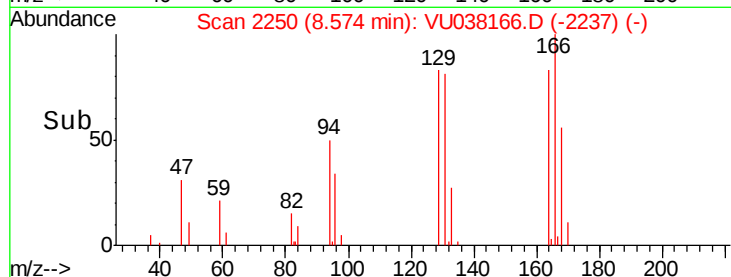
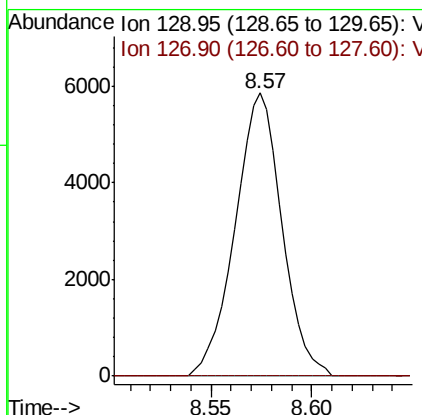
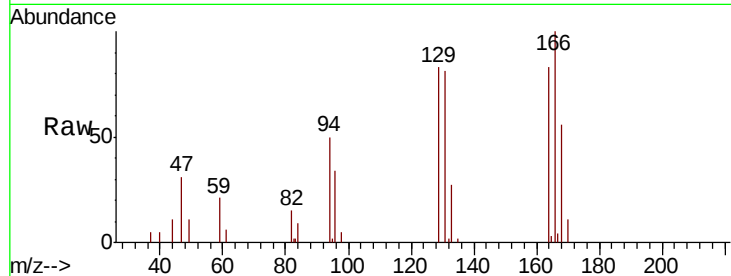




#49
 Dibromochloromethane
 Concen: 0.430 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.26 min
 Lab File: VU038166.D
 Acq: 14 May 2020 14:00

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:129 Resp: 9502
 Ion Ratio Lower Upper
 129 100
 127 0.0 55.6 103.4#



#59
 1,2,3-Trichloropropane
 Concen: 1.108 ug/L
 RT: 11.83 min Scan# 3261
 Delta R.T. 0.98 min
 Lab File: VU038166.D
 Acq: 14 May 2020 14:00

Tgt Ion: 75 Resp: 22831
 Ion Ratio Lower Upper
 75 100
 77 37.2 25.4 38.0

