

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071420\
 Data File : VU039488.D
 Acq On : 14 Jul 2020 16:39
 Operator : SY/MD
 Sample : L3296-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AF8

Quant Time: Jul 15 06:24:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 15 06:21:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	95512	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	90634	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	43326	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	23811	4.30	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.00%
7) Chloroethane-d5	1.93	69	26901	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.58	63	38079	3.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.00%
20) 2-Butanone-d5	4.65	46	118488	46.78	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.56%
24) Chloroform-d	5.09	84	48760	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.80%
26) 1,2-Dichloroethane-d4	5.72	65	33663	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
32) Benzene-d6	5.75	84	103987	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.71	67	34900	4.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.00%
41) Toluene-d8	7.91	98	90332	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
43) trans-1,3-Dichloropropene-	8.19	79	14137	4.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.60%
46) 2-Hexanone-d5	8.64	63	84032	41.85	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.70%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	32122	4.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	35505	4.59	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.80%

Target Compounds

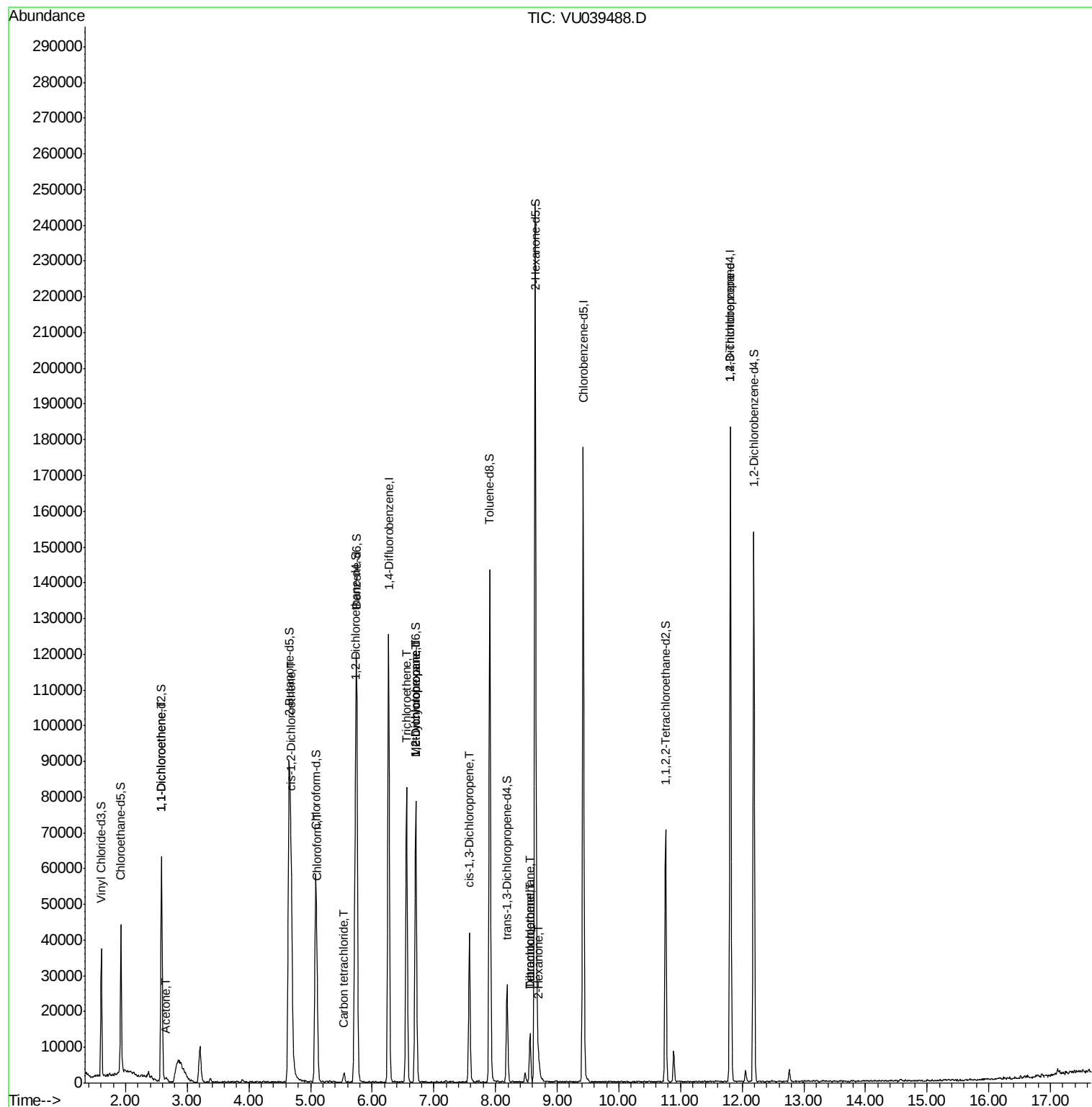
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.59	96	837	0.147	ug/L #	1
13) Acetone	2.66	43	1761	1.288	ug/L	69
22) cis-1,2-Dichloroethene	4.69	96	14274	2.024	ug/L	96
25) Chloroform	5.11	83	9157	0.737	ug/L	92
31) Carbon tetrachloride	5.54	117	1422	0.156	ug/L	83
34) Trichloroethene	6.56	95	25685	3.666	ug/L	96
35) Methylcyclohexane	6.71	83	7751	0.691	ug/L #	18
37) 1,2-Dichloropropane	6.71	63	4191	0.567	ug/L #	91
39) cis-1,3-Dichloropropene	7.57	75	818	0.073	ug/L	96
47) Tetrachloroethene	8.56	164	2663	0.546	ug/L	96
48) 2-Hexanone	8.70	43	4296	0.946	ug/L #	40
49) Dibromochloromethane	8.56	129	2813	0.438	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	7019	1.289	ug/L	91

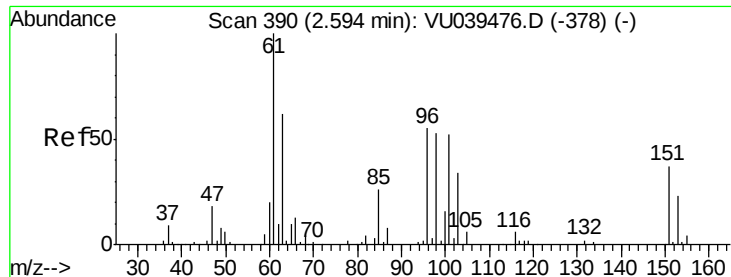
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.147 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039488.D

Acq: 14 Jul 2020 16:39

Instrument :

MSVOA_U

ClientSampleId :

C0AF8

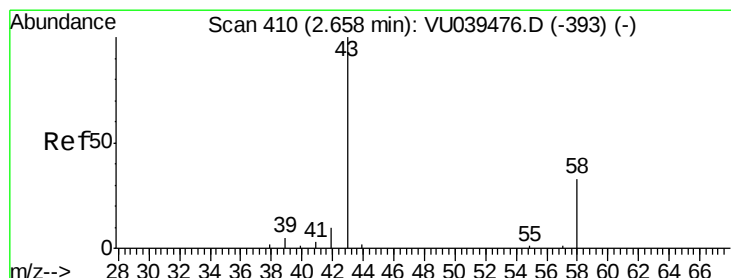
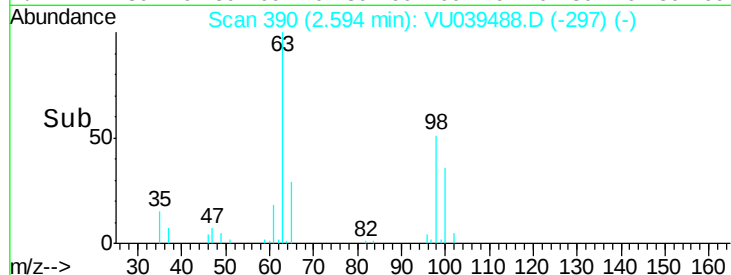
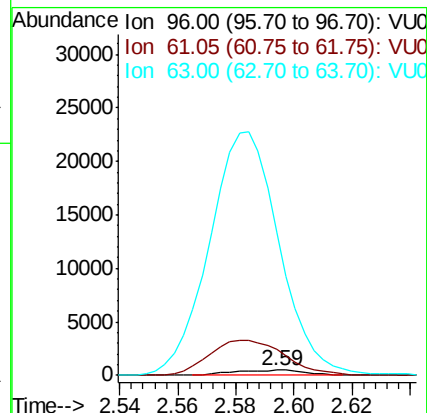
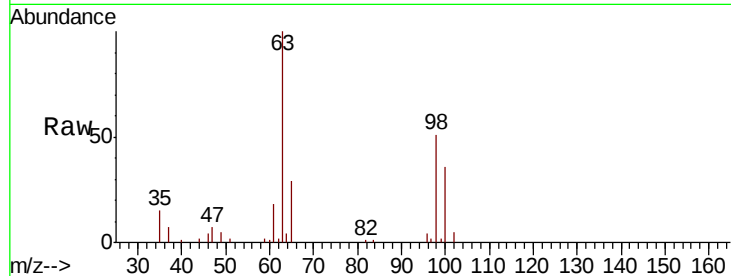
Tot Ion: 96 Resp: 837

Ion Ratio Lower Upper

96 100

61 491.7 125.4 232.8#

63 2747.8 92.7 172.3#



#13

Acetone

Concen: 1.288 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU039488.D

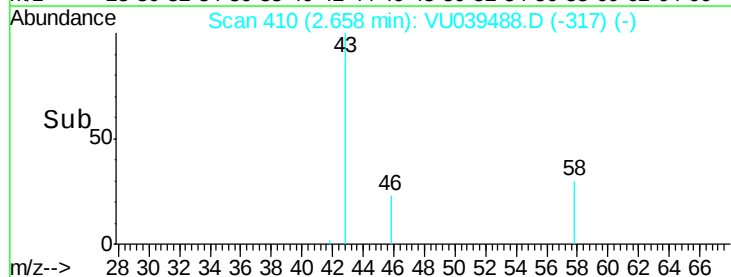
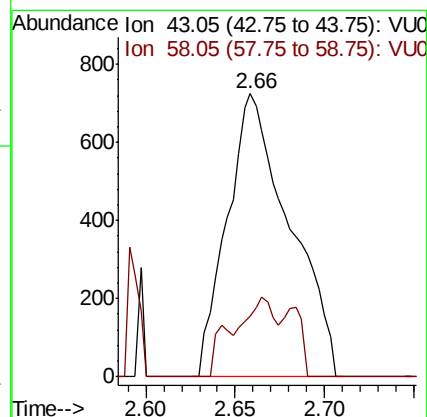
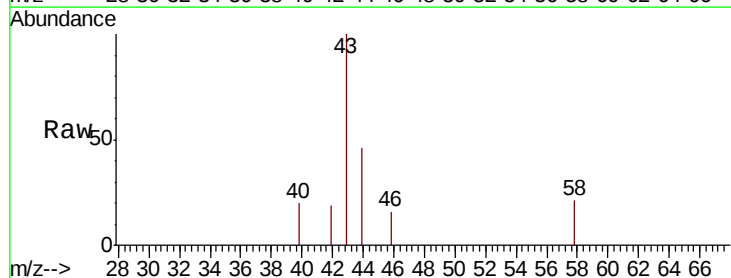
Acq: 14 Jul 2020 16:39

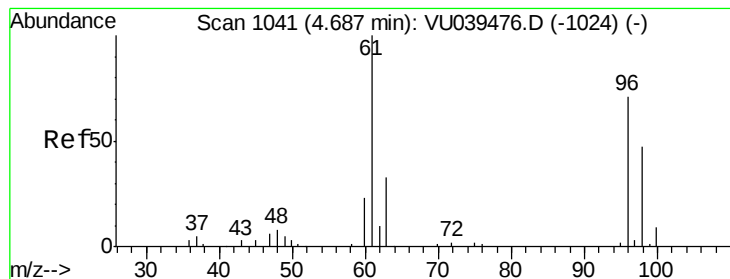
Tgt Ion: 43 Resp: 1761

Ion Ratio Lower Upper

43 100

58 14.0 0.0 62.8





#22

cis-1,2-Dichloroethene

Concen: 2.024 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU039488.D

Acq: 14 Jul 2020 16:39

Instrument :

MSVOA_U

ClientSampleId :

C0AF8

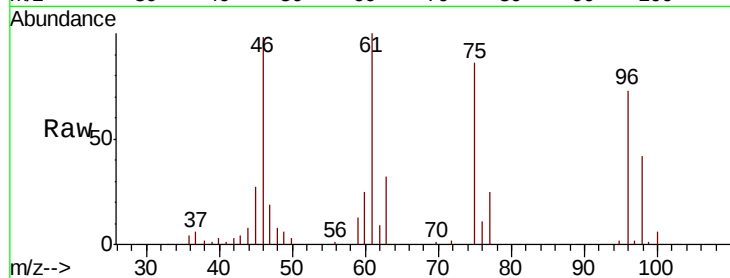
Tot Ion: 96 Resp: 14274

Ion Ratio Lower Upper

96 100

61 137.6 92.8 172.4

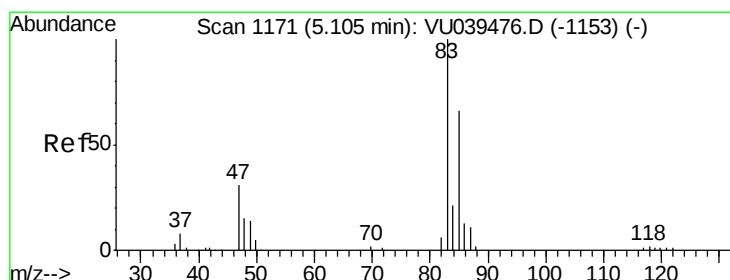
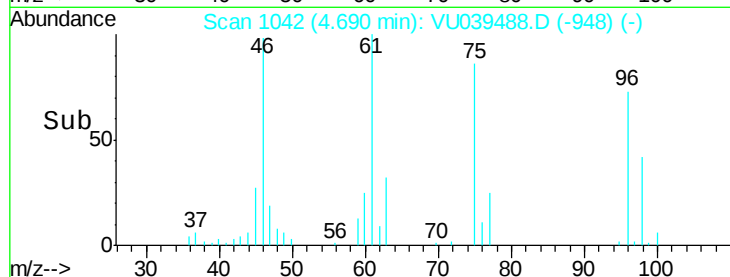
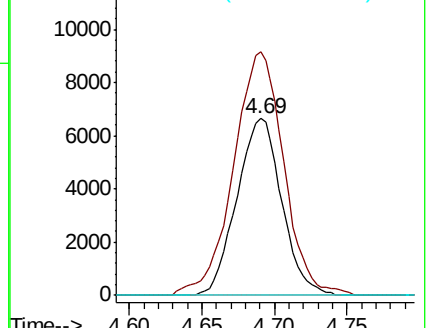
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039488.D (-1042) (-)

Ion 61.05 (60.75 to 61.75): VU039488.D (-1042) (-)

Ion 68.15 (67.85 to 68.85): VU039488.D (-1042) (-)



#25

Chloroform

Concen: 0.737 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU039488.D

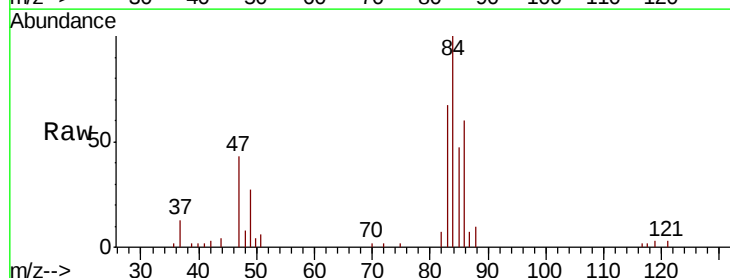
Acq: 14 Jul 2020 16:39

Tgt Ion: 83 Resp: 9157

Ion Ratio Lower Upper

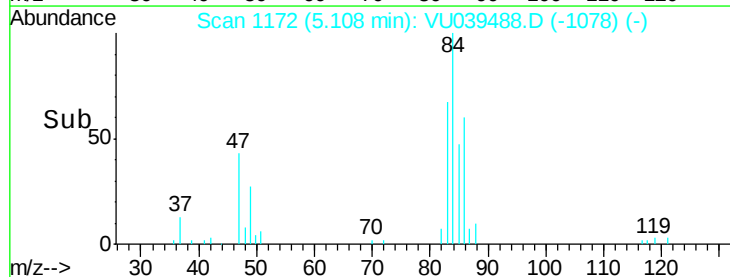
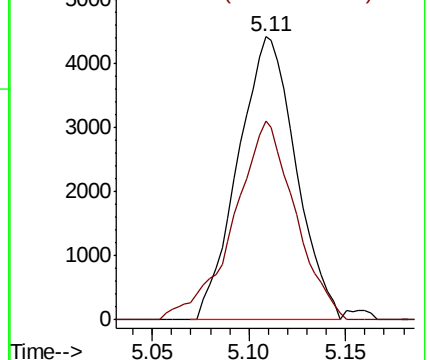
83 100

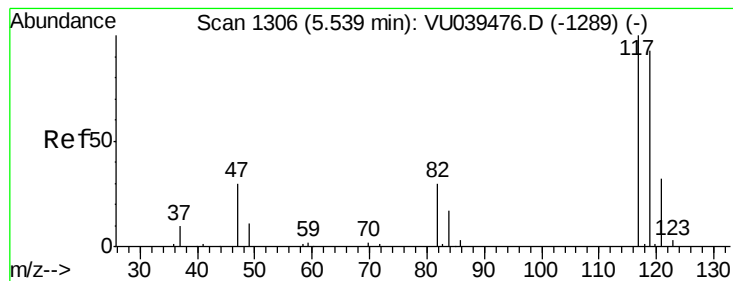
85 70.2 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VU039488.D (-1172) (-)

Ion 85.00 (84.70 to 85.70): VU039488.D (-1172) (-)





#31

Carbon tetrachloride

Concen: 0.156 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU039488.D

Acq: 14 Jul 2020 16:39

Instrument :

MSVOA_U

ClientSampleId :

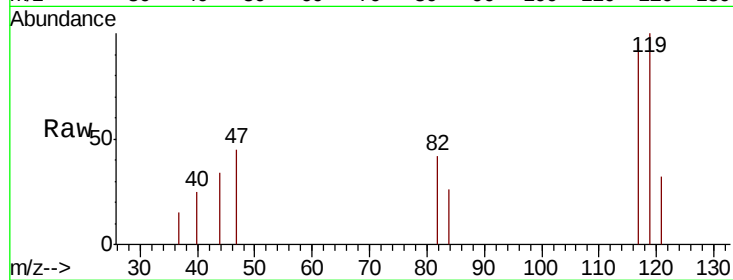
C0AF8

Tot Ion:117 Resp: 1422

Ion Ratio Lower Upper

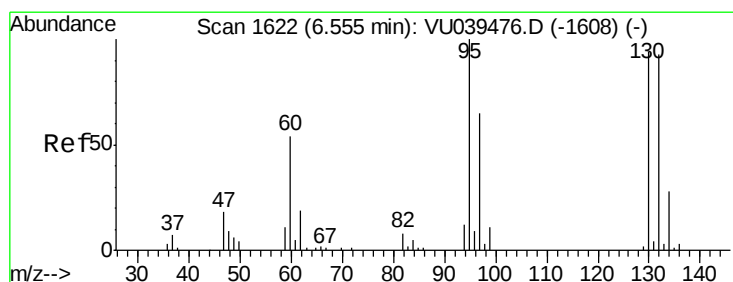
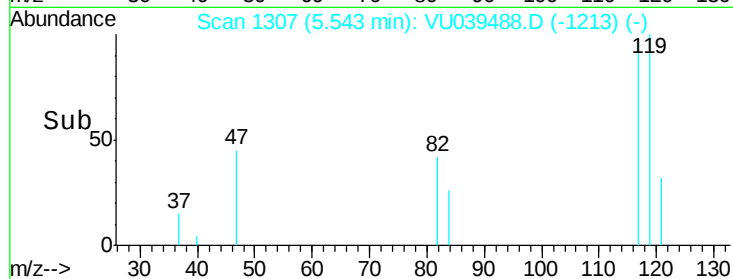
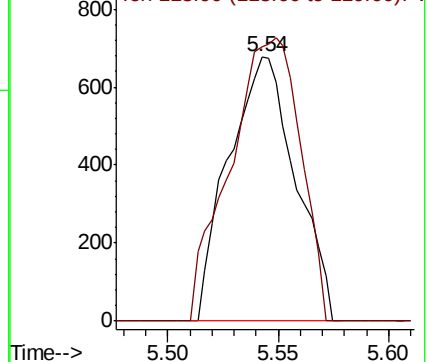
117 100

119 113.6 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 3.666 ug/L

RT: 6.56 min Scan# 1623

Delta R.T. 0.00 min

Lab File: VU039488.D

Acq: 14 Jul 2020 16:39

Tgt Ion: 95 Resp: 25685

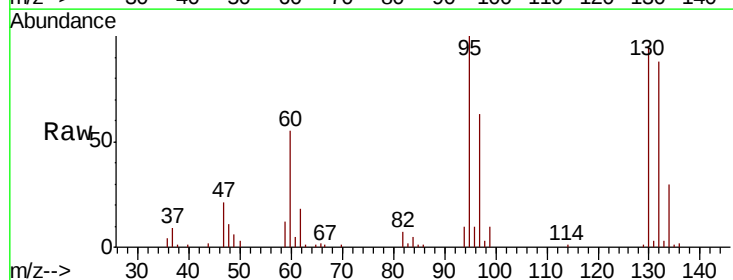
Ion Ratio Lower Upper

95 100

97 62.7 46.3 85.9

132 88.2 64.0 118.8

130 95.2 64.3 119.5

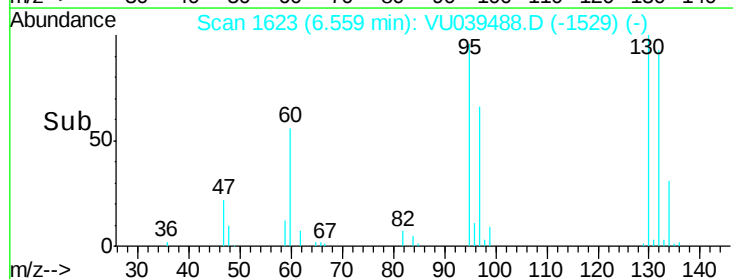
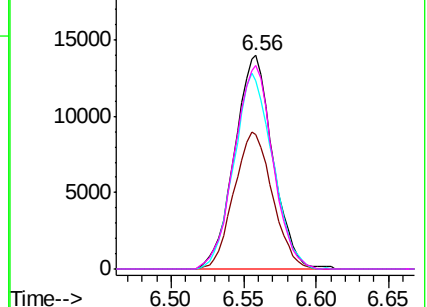


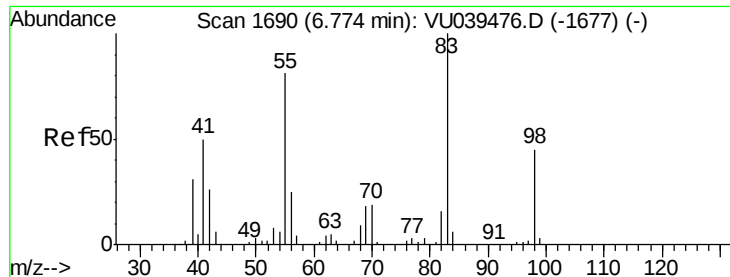
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0

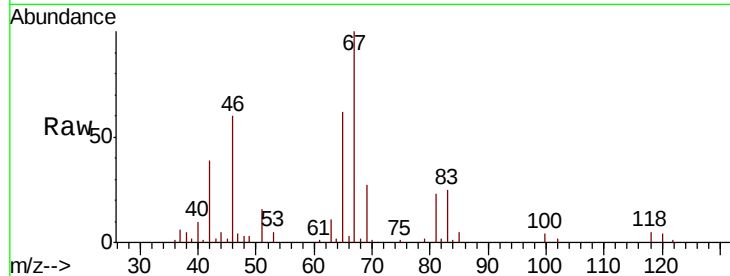




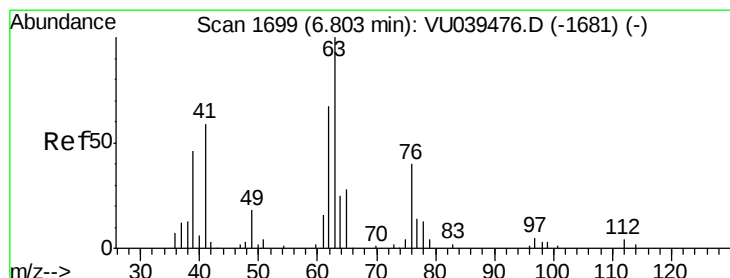
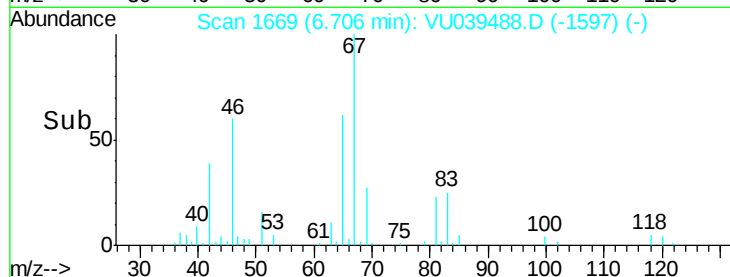
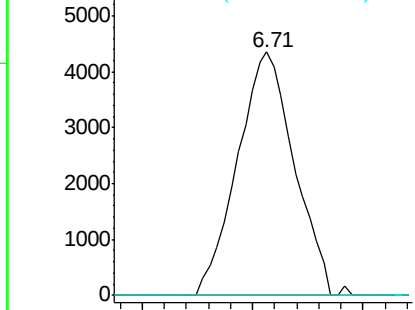
#35
Methvlcvclohexane
Concen: 0.691 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.07 min
Lab File: VU039488.D
Acq: 14 Jul 2020 16:39

Instrument :
MSVOA_U
ClientSampleId :
C0AF8

Tot Ion: 83 Resp: 7751
Ion Ratio Lower Upper
83 100
55 0.0 62.1 93.1#
98 0.0 35.9 53.9#

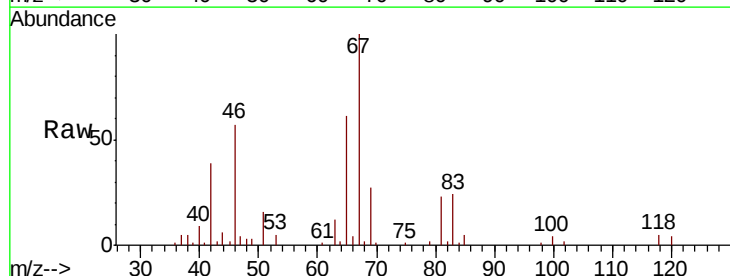


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

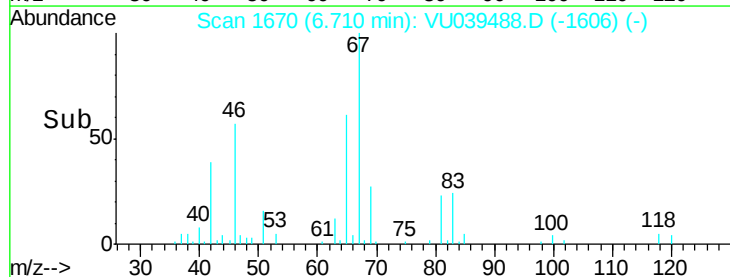
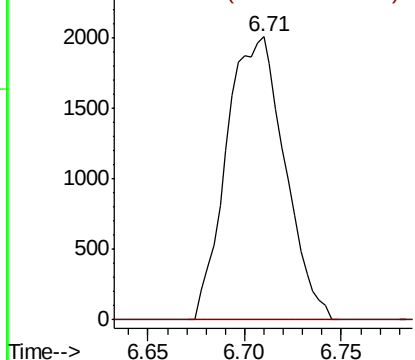


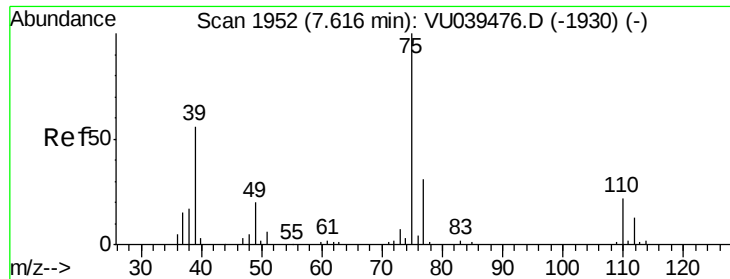
#37
1,2-Dichloropropane
Concen: 0.567 ug/L
RT: 6.71 min Scan# 1670
Delta R.T. -0.09 min
Lab File: VU039488.D
Acq: 14 Jul 2020 16:39

Tgt Ion: 63 Resp: 4191
Ion Ratio Lower Upper
63 100
112 0.0 2.5 3.7#



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

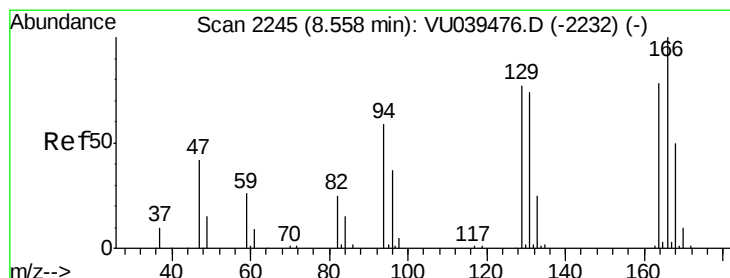
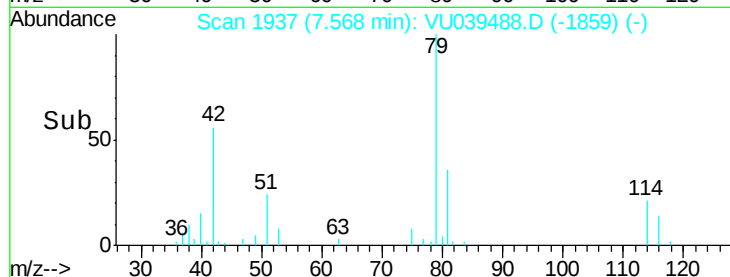
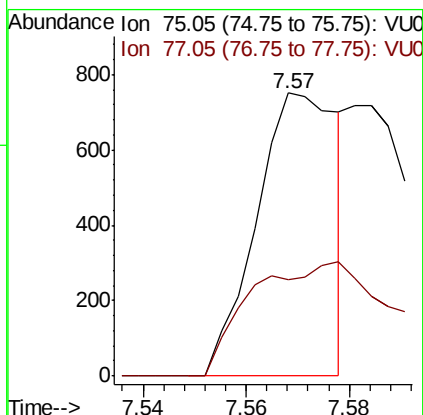
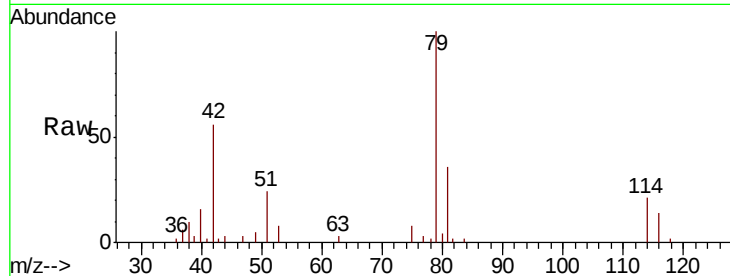




#39
 cis-1,3-Dichloropropene
 Concen: 0.073 ug/L
 RT: 7.57 min Scan# 1937
 Delta R.T. -0.05 min
 Lab File: VU039488.D
 Acq: 14 Jul 2020 16:39

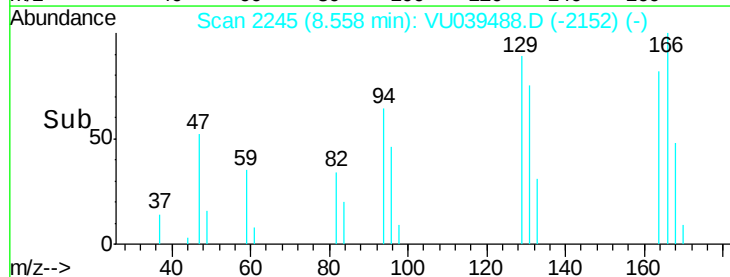
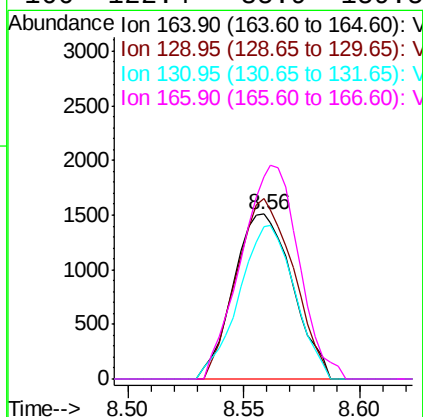
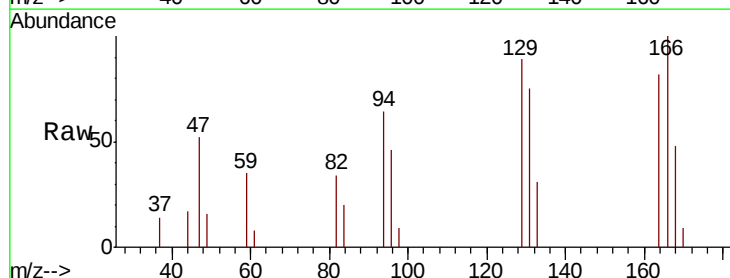
Instrument :
 MSVOA_U
 ClientSampled :
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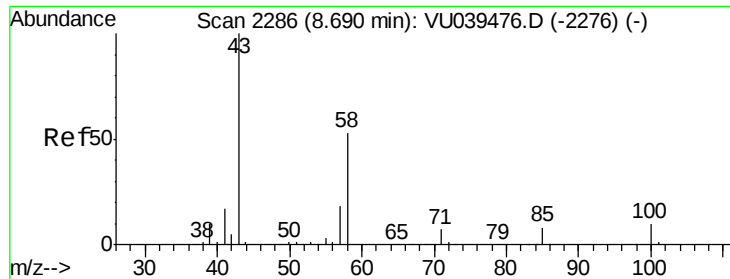
Tot Ion: 75 Resp: 818
 Ion Ratio Lower Upper
 75 100
 77 34.2 22.3 41.3



#47
 Tetrachloroethene
 Concen: 0.546 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU039488.D
 Acq: 14 Jul 2020 16:39

Tgt Ion: 164 Resp: 2663
 Ion Ratio Lower Upper
 164 100
 129 109.2 68.6 127.4
 131 92.3 66.4 123.4
 166 122.4 85.9 159.5

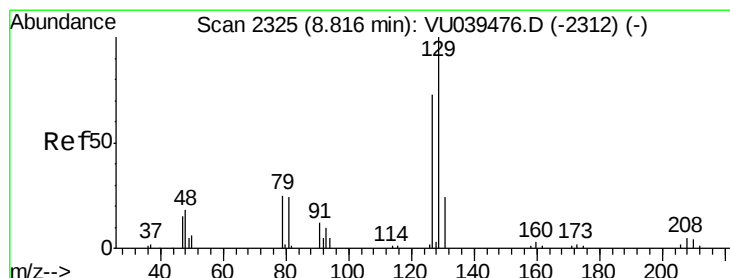
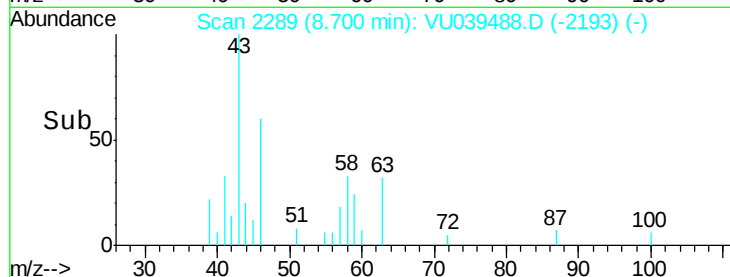
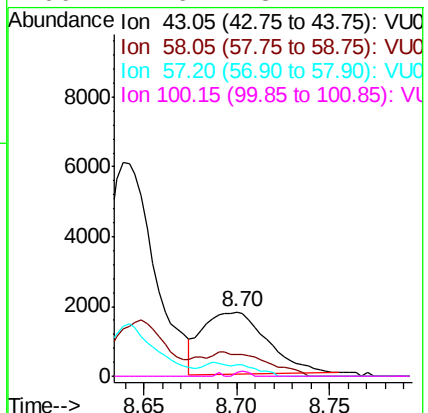
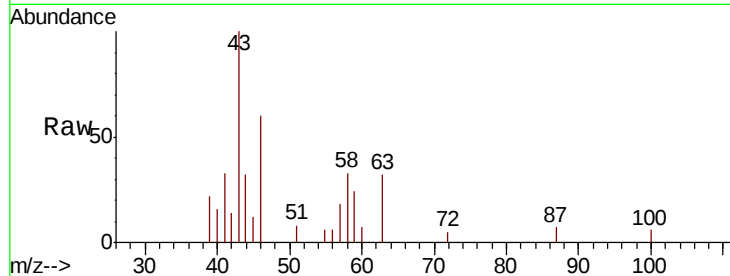




#48
2-Hexanone
Concen: 0.946 ug/L
RT: 8.70 min Scan# 2289
Delta R.T. 0.01 min
Lab File: VU039488.D
Acq: 14 Jul 2020 16:39

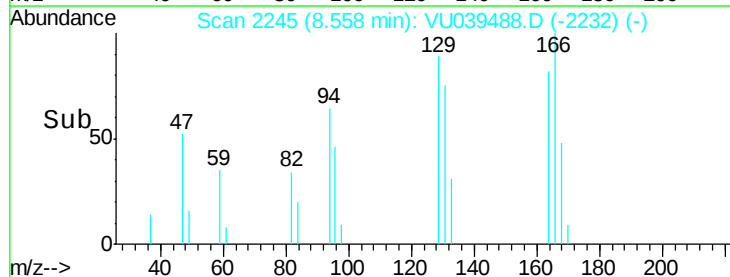
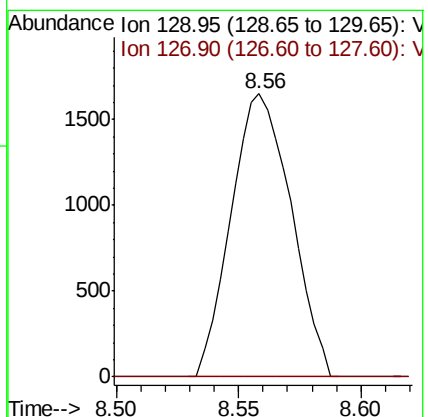
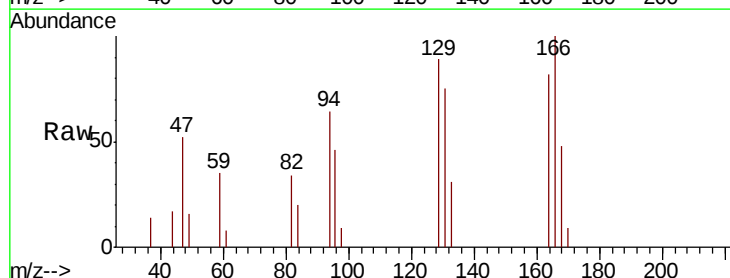
Instrument :
MSVOA_U
ClientSampleId :
C0AF8

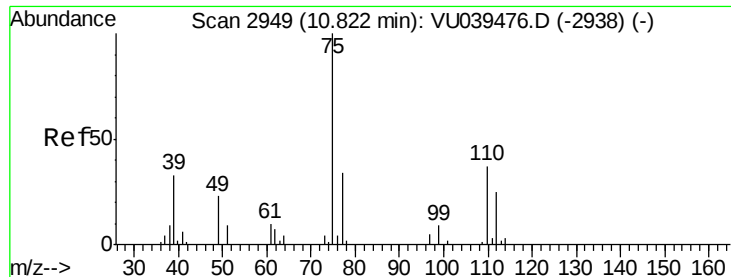
Tot Ion: 43 Resp: 4296
Ion Ratio Lower Upper
43 100
58 0.0 42.0 63.0#
57 0.0 14.0 21.0#
100 1.6 8.2 12.2#



#49
Dibromochloromethane
Concen: 0.438 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.26 min
Lab File: VU039488.D
Acq: 14 Jul 2020 16:39

Tgt Ion: 129 Resp: 2813
Ion Ratio Lower Upper
129 100
127 0.0 55.4 102.8#





#59

1,2,3-Trichloropropane

Concen: 1.289 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039488.D

Acq: 14 Jul 2020 16:39

Instrument :

MSVOA_U

ClientSampleId :

C0AF8

Tot Ion: 75 Resp: 7019

Ion Ratio Lower Upper

75 100

77 38.6 26.8 40.2

