

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062420\
 Data File : VU039074.D
 Acq On : 24 Jun 2020 19:31
 Operator : SY/MD
 Sample : L3109-13
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9F57

Quant Time: Jun 25 01:05:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 25 01:01:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	253568	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	259069	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	107195	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	101099	5.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	109.00%
7) Chloroethane-d5	1.93	69	91350	5.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	119.00%
11) 1,1-Dichloroethene-d2	2.59	63	148893	4.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.40%
20) 2-Butanone-d5	4.67	46	407244	60.77	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.54%
24) Chloroform-d	5.10	84	210120	5.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	115.20%
26) 1,2-Dichloroethane-d4	5.74	65	127478	5.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.40%
32) Benzene-d6	5.76	84	401925	5.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.80%
36) 1,2-Dichloropropane-d6	6.72	67	133187	5.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.40%
41) Toluene-d8	7.92	98	313849	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
43) trans-1,3-Dichloropropene-	8.20	79	54324	5.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.60%
46) 2-Hexanone-d5	8.65	63	333014	61.50	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	123.00%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	120844	5.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	122526	6.14	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	122.80%#

Target Compounds

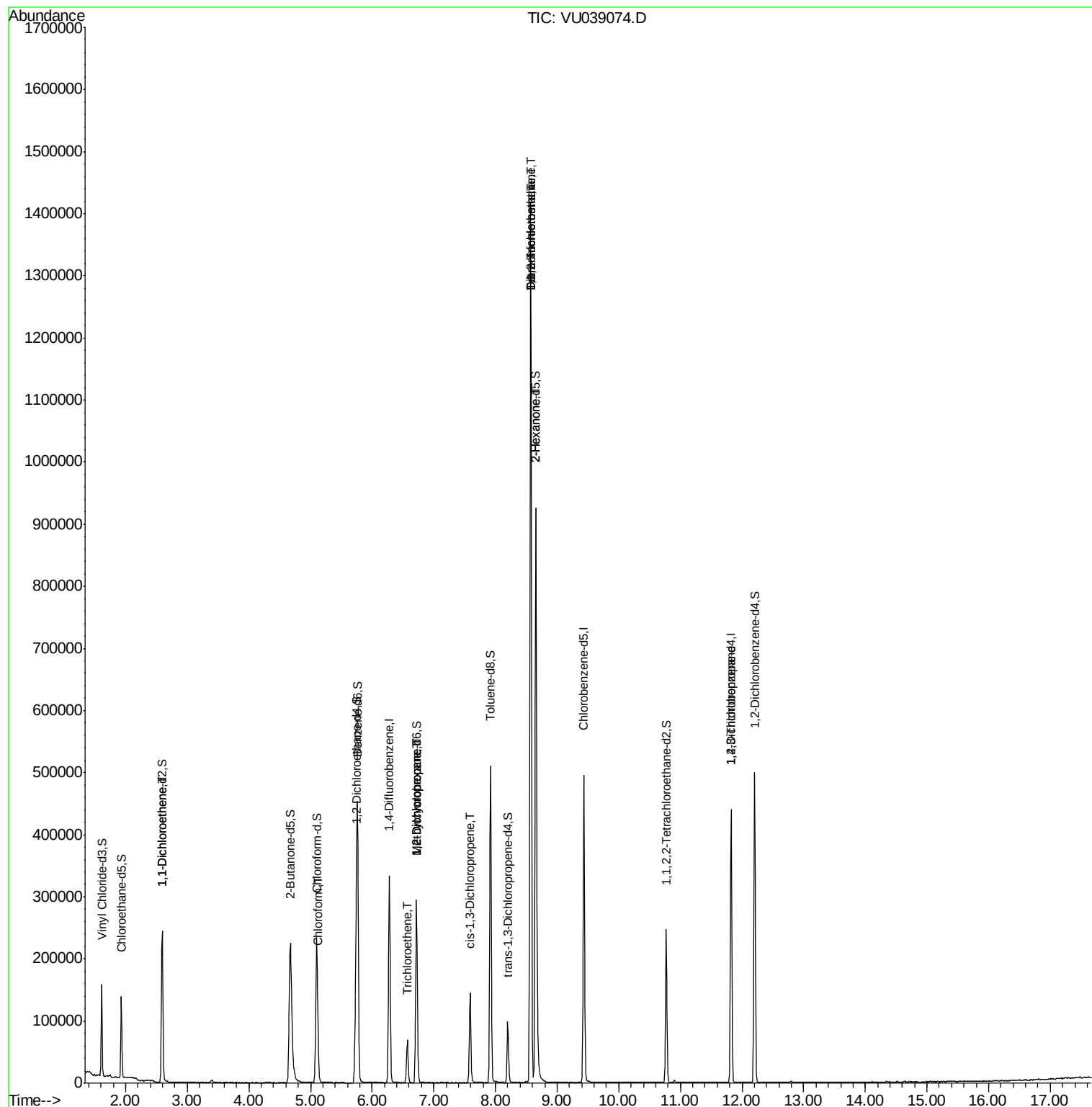
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.59	96	1223	0.070	ug/L #	1
25) Chloroform	5.12	83	10758	0.287	ug/L	96
34) Trichloroethene	6.57	95	22136	1.124	ug/L	95
35) Methylcyclohexane	6.72	83	30791	1.054	ug/L #	18
37) 1,2-Dichloropropane	6.72	63	14435	0.655	ug/L #	87
39) cis-1,3-Dichloropropene	7.59	75	3737	0.122	ug/L #	60
45) 1,1,2-Trichloroethane	8.57	97	2727	0.166	ug/L #	1
47) Tetrachloroethene	8.57	164	294835	20.777	ug/L	98
48) 2-Hexanone	8.65	43	43473	3.603	ug/L #	66
49) Dibromochloromethane	8.57	129	287995	16.159	ug/L #	10
59) 1,2,3-Trichloropropane	11.82	75	15198	0.914	ug/L	90

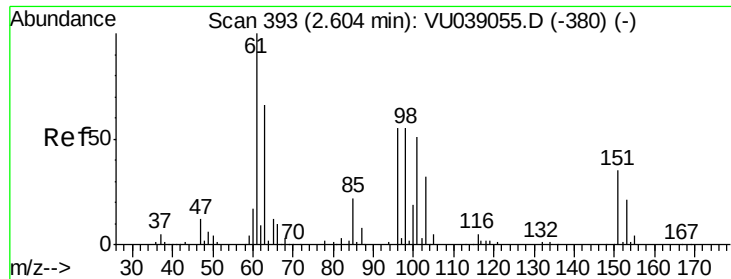
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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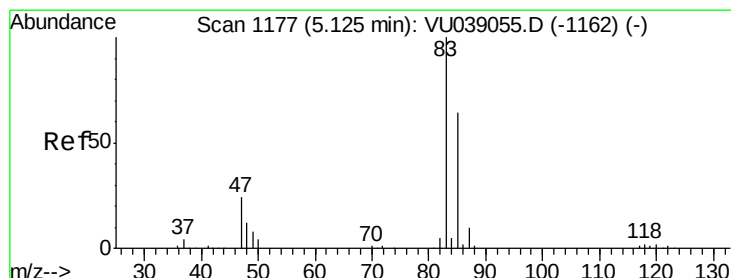
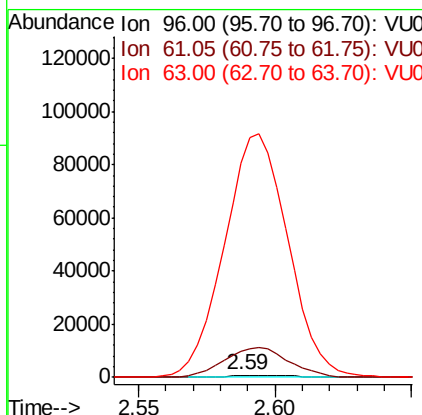
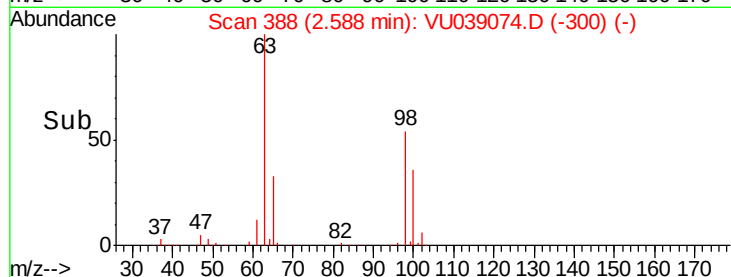
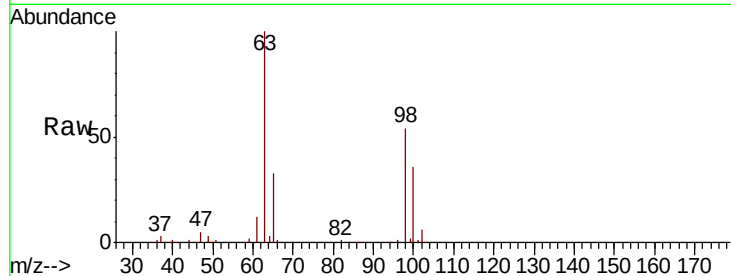




#12
 1,1-Dichloroethene
 Concen: 0.070 ug/L
 RT: 2.59 min Scan# 388
 Delta R.T. -0.02 min
 Lab File: VU039074.D
 Acq: 24 Jun 2020 19:31

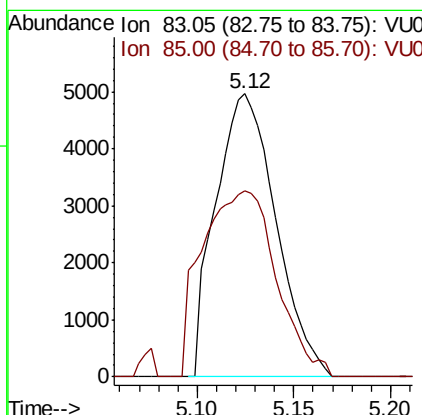
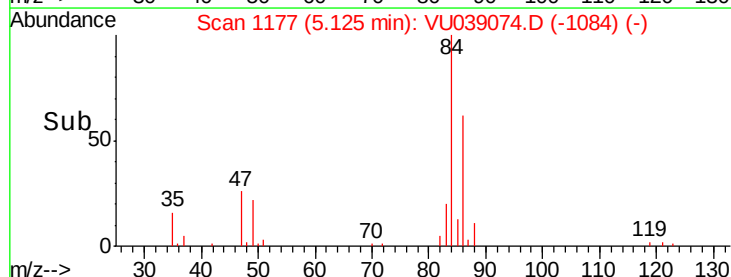
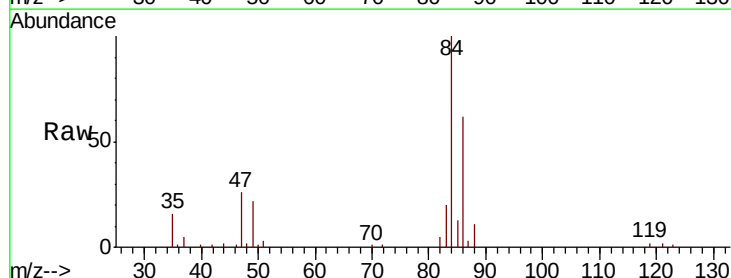
Instrument :
 MSVOA_U
 ClientSampleId :
 F9F57

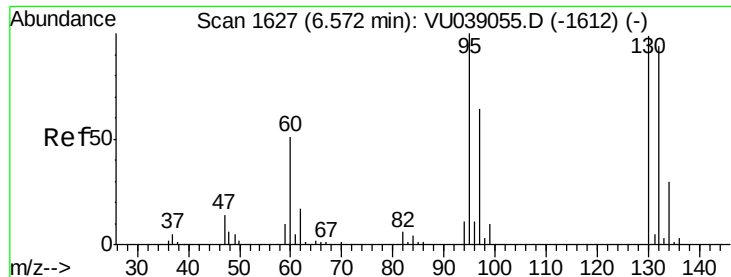
Tot Ion: 96 Resp: 1223
 Ion Ratio Lower Upper
 96 100
 61 1413.6 125.1 232.3#
 63 11643.9 82.3 152.8#



#25
 Chloroform
 Concen: 0.287 ug/L
 RT: 5.12 min Scan# 1177
 Delta R.T. -0.00 min
 Lab File: VU039074.D
 Acq: 24 Jun 2020 19:31

Tgt Ion: 83 Resp: 10758
 Ion Ratio Lower Upper
 83 100
 85 65.9 43.8 81.4

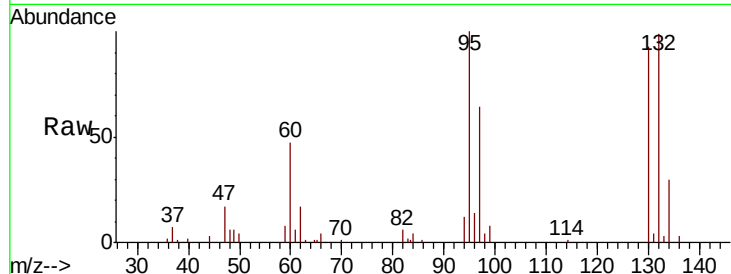




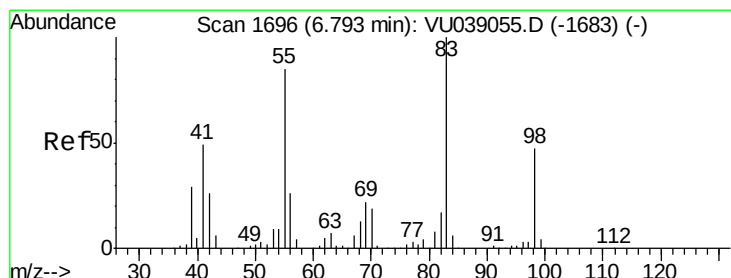
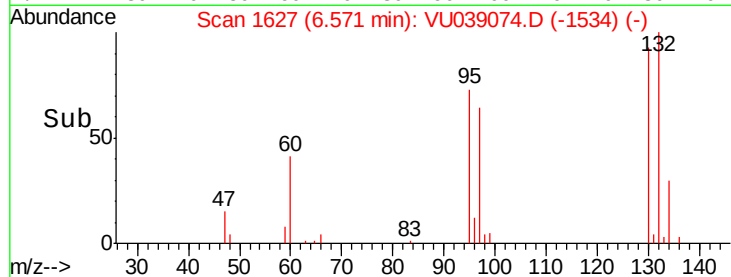
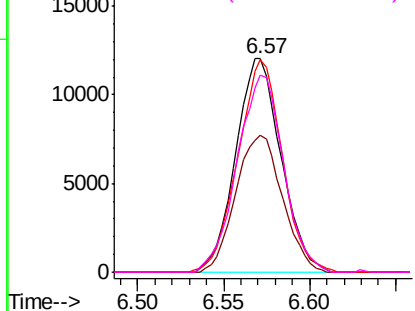
#34
 Trichloroethene
 Concen: 1.124 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU039074.D
 Acq: 24 Jun 2020 19:31

Instrument :
 MSVOA_U
 ClientSampleId :
 F9F57

Tot Ion: 95 Resp: 22136
 Ion Ratio Lower Upper
 95 100
 97 63.8 45.1 83.7
 132 99.3 65.1 120.9
 130 92.6 68.6 127.4

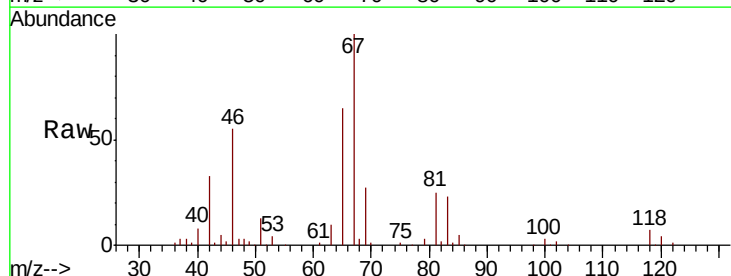


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

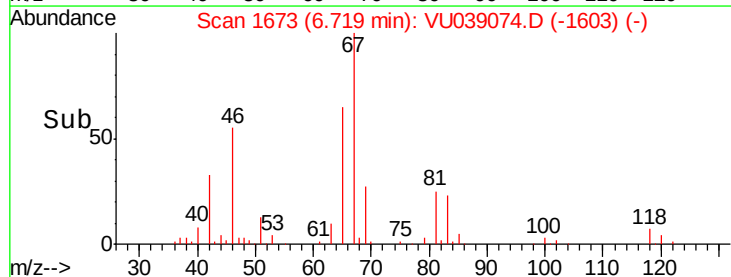
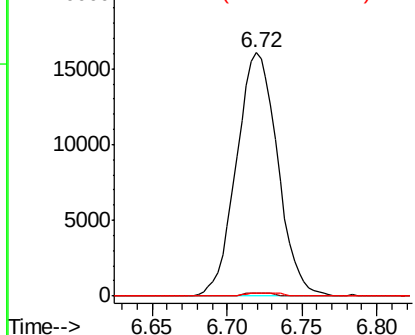


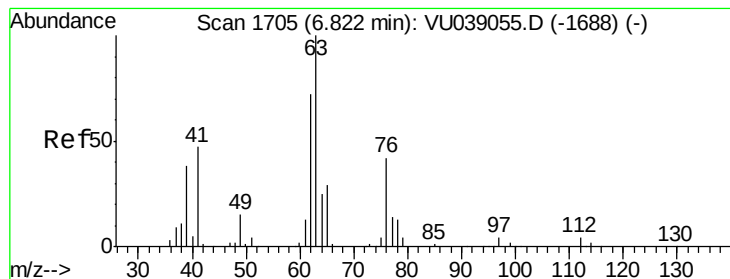
#35
 Methylcyclohexane
 Concen: 1.054 ug/L
 RT: 6.72 min Scan# 1673
 Delta R.T. -0.07 min
 Lab File: VU039074.D
 Acq: 24 Jun 2020 19:31

Tgt Ion: 83 Resp: 30791
 Ion Ratio Lower Upper
 83 100
 55 0.8 65.5 98.3#
 98 1.1 36.5 54.7#



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: 0.655 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.10 min

Lab File: VU039074.D

Acq: 24 Jun 2020 19:31

Instrument :

MSVOA_U

ClientSampleId :

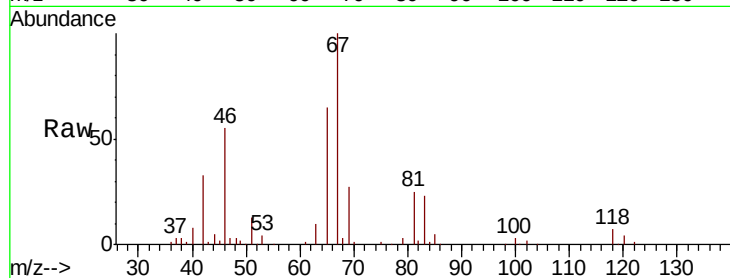
F9F57

Tot Ion: 63 Resp: 14435

Ion Ratio Lower Upper

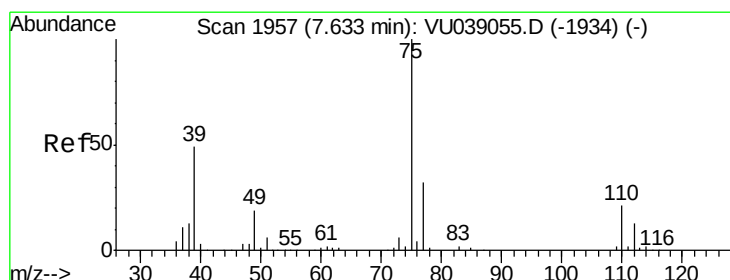
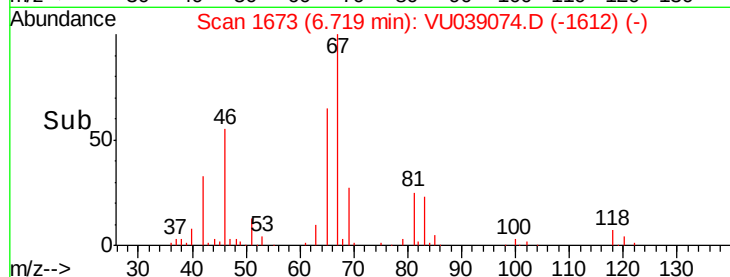
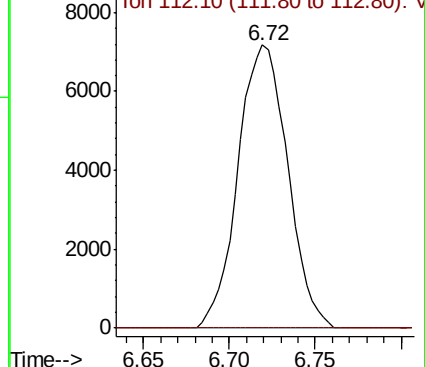
63 100

112 0.0 3.4 5.2#



Abundance Ion 63.10 (62.80 to 63.80): VU039055.D (-1688) (-)

Ion 112.10 (111.80 to 112.80): VU039055.D (-1688) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.122 ug/L

RT: 7.59 min Scan# 1944

Delta R.T. -0.04 min

Lab File: VU039074.D

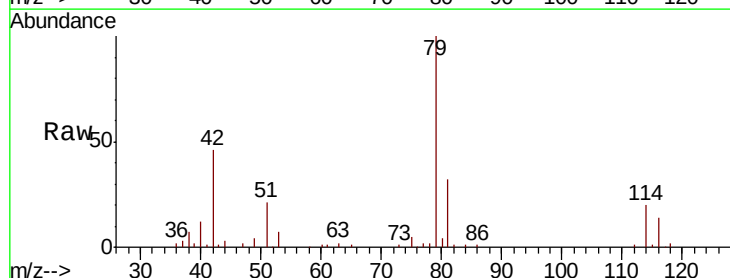
Acq: 24 Jun 2020 19:31

Tgt Ion: 75 Resp: 3737

Ion Ratio Lower Upper

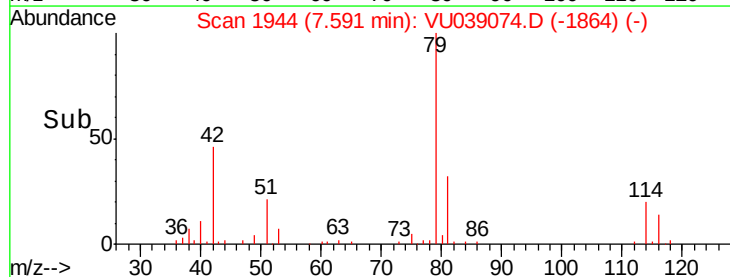
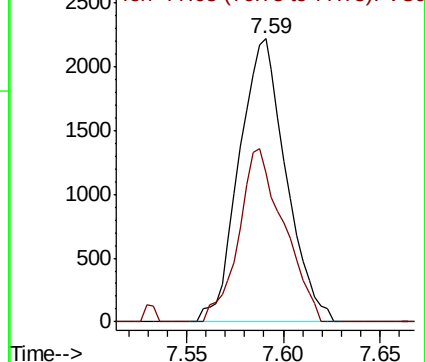
75 100

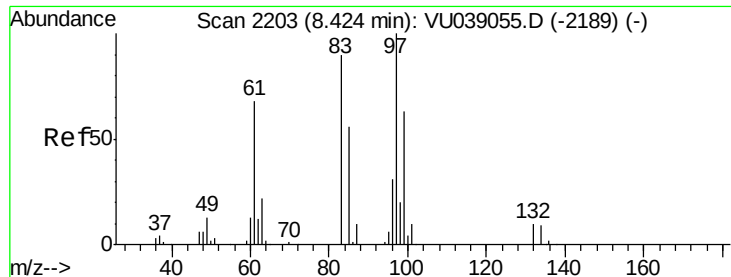
77 52.6 21.6 40.0#



Abundance Ion 75.05 (74.75 to 75.75): VU039055.D (-1934) (-)

Ion 77.05 (76.75 to 77.75): VU039055.D (-1934) (-)





#45

1,1,2-Trichloroethane

Concen: 0.166 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. 0.15 min

Lab File: VU039074.D

Acq: 24 Jun 2020 19:31

Instrument :

MSVOA_U

ClientSampleId :

F9F57

Tot Ion: 97 Resp: 2727

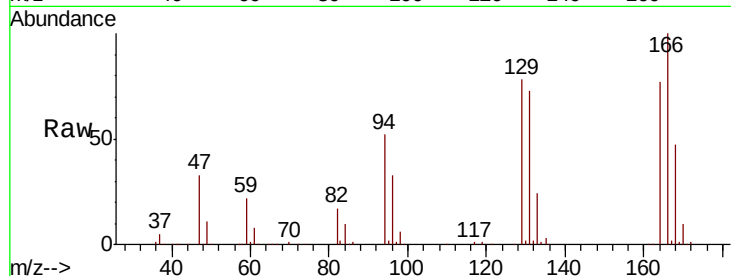
Ion Ratio Lower Upper

97 100

99 15.4 45.4 84.4#

83 279.4 64.4 119.6#

85 50.9 41.7 77.5

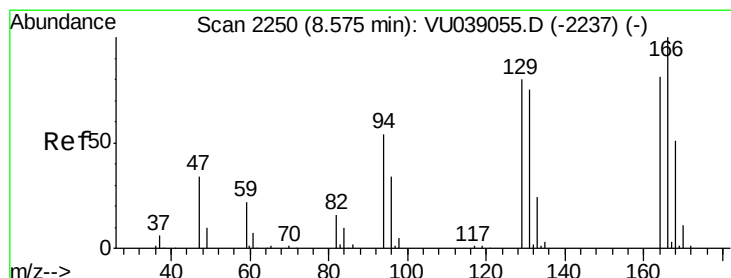
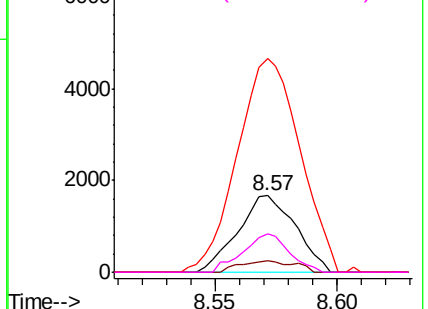
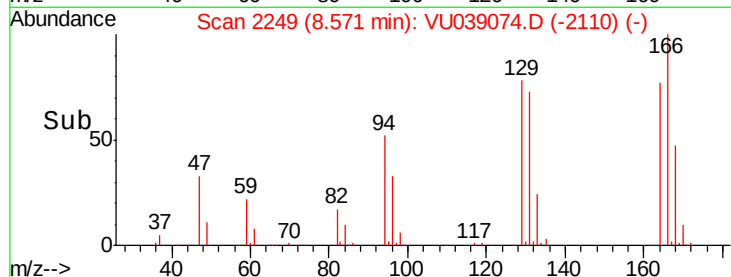


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 20.777 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU039074.D

Acq: 24 Jun 2020 19:31

Tgt Ion:164 Resp: 294835

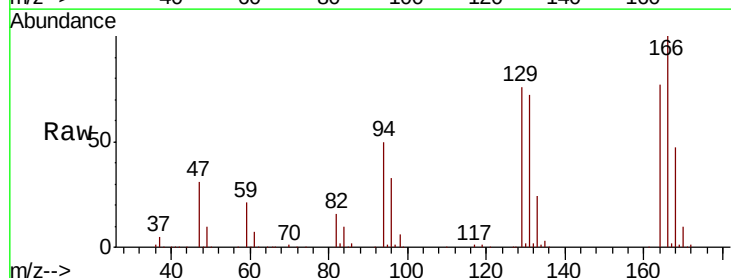
Ion Ratio Lower Upper

164 100

129 99.1 71.3 132.5

131 93.3 68.3 126.8

166 129.8 90.8 168.6

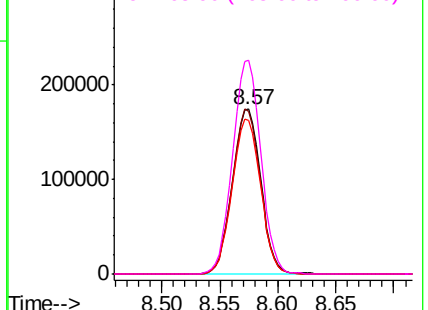
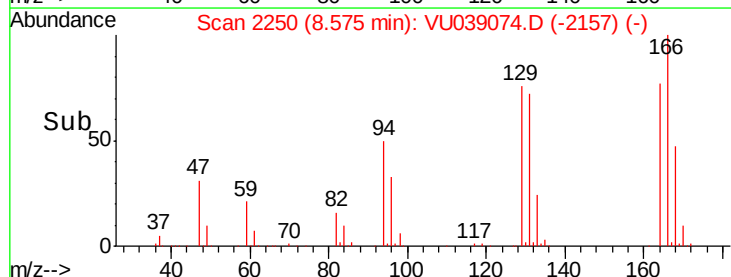


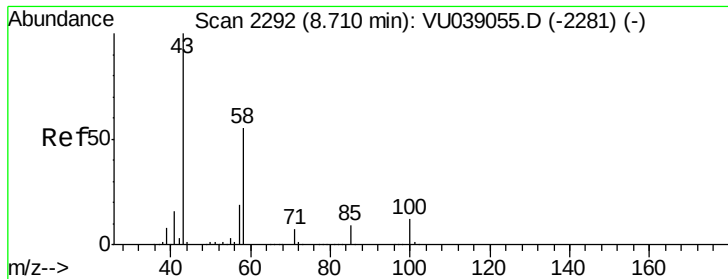
Abundance Ion 163.90 (163.60 to 164.60): V

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

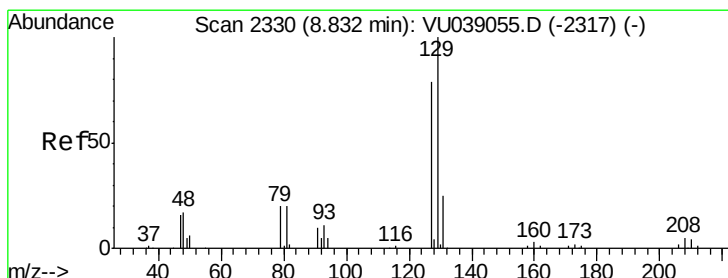
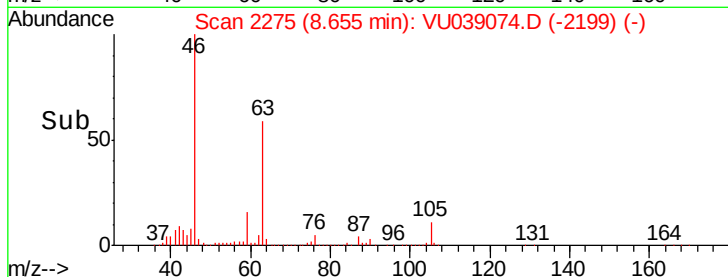
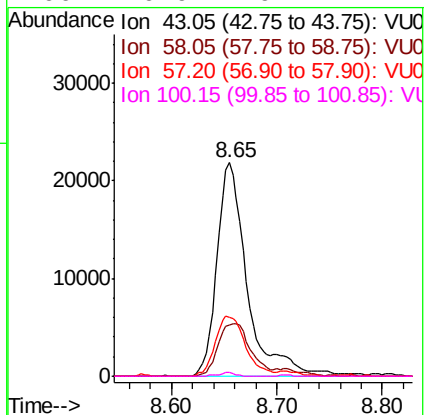
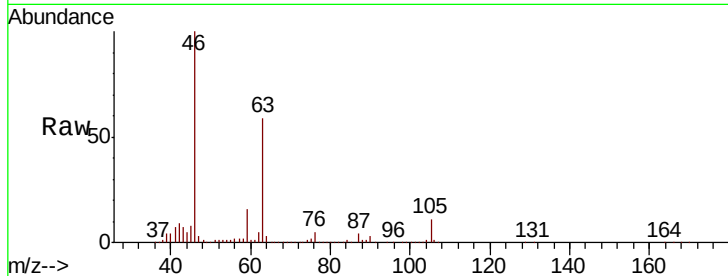




#48
2-Hexanone
Concen: 3.603 ug/L
RT: 8.65 min Scan# 2275
Delta R.T. -0.05 min
Lab File: VU039074.D
Acq: 24 Jun 2020 19:31

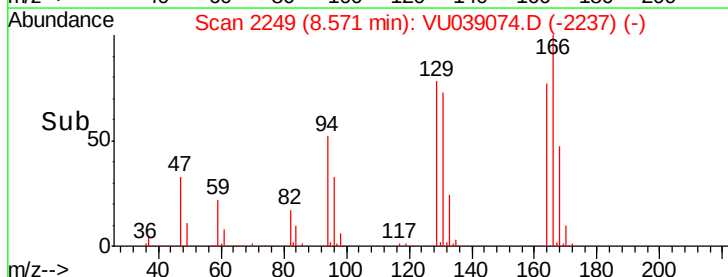
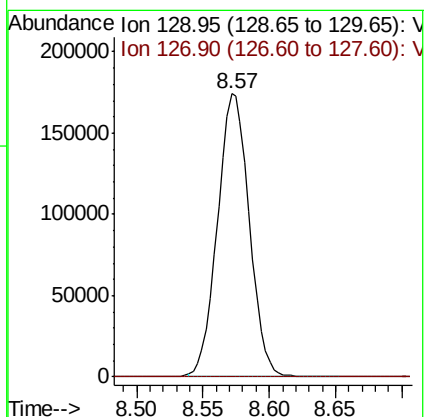
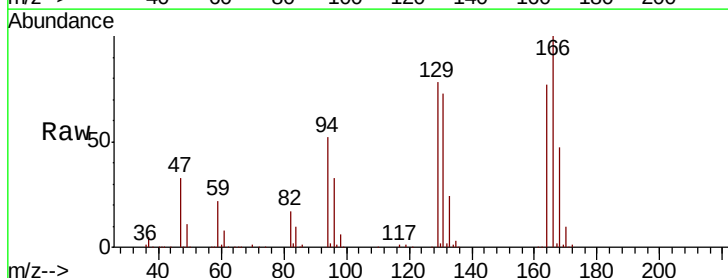
Instrument :
MSVOA_U
ClientSampled :
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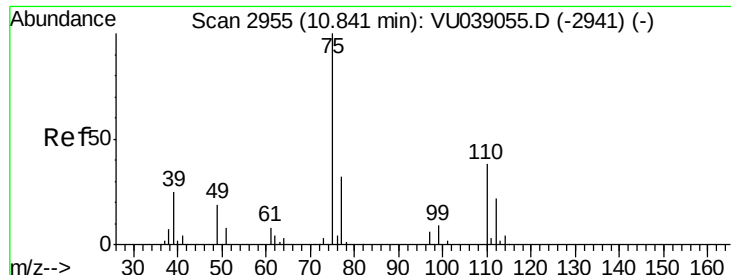
Tot Ion: 43 Resp: 43473
Ion Ratio Lower Upper
43 100
58 26.6 44.0 66.0#
57 28.2 15.0 22.6#
100 0.9 9.4 14.2#



#49
Dibromochloromethane
Concen: 16.159 ug/L
RT: 8.57 min Scan# 2249
Delta R.T. -0.26 min
Lab File: VU039074.D
Acq: 24 Jun 2020 19:31

Tgt Ion: 129 Resp: 287995
Ion Ratio Lower Upper
129 100
127 0.1 55.4 103.0#





#59

1,2,3-Trichloropropane

Concen: 0.914 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU039074.D

Acq: 24 Jun 2020 19:31

Instrument :

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ClientSampleId :

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Tot Ion: 75 Resp: 15198

Ion Ratio Lower Upper

75 100

77 38.5 26.2 39.2

