

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062520\
 Data File : VU039121.D
 Acq On : 25 Jun 2020 17:10
 Operator : SY/MD
 Sample : L3110-12DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9F35DL

Quant Time: Jun 26 01:03:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 26 00:59:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	263677	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.43	117	268343	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	120632	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	87431	4.53	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.60%
7) Chloroethane-d5	1.93	69	79733	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.00%
11) 1,1-Dichloroethene-d2	2.58	63	140703	3.79	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.80%
20) 2-Butanone-d5	4.68	46	423894	60.83	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.66%
24) Chloroform-d	5.10	84	193921	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
26) 1,2-Dichloroethane-d4	5.74	65	121995	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
32) Benzene-d6	5.76	84	364709	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.72	67	123096	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	7.92	98	283854	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.20%
43) trans-1,3-Dichloropropene-	8.20	79	50050	4.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.20%
46) 2-Hexanone-d5	8.66	63	321034	57.24	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.48%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	117416	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.00%
64) 1,2-Dichlorobenzene-d4	12.21	152	120121	5.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.80%

Target Compounds

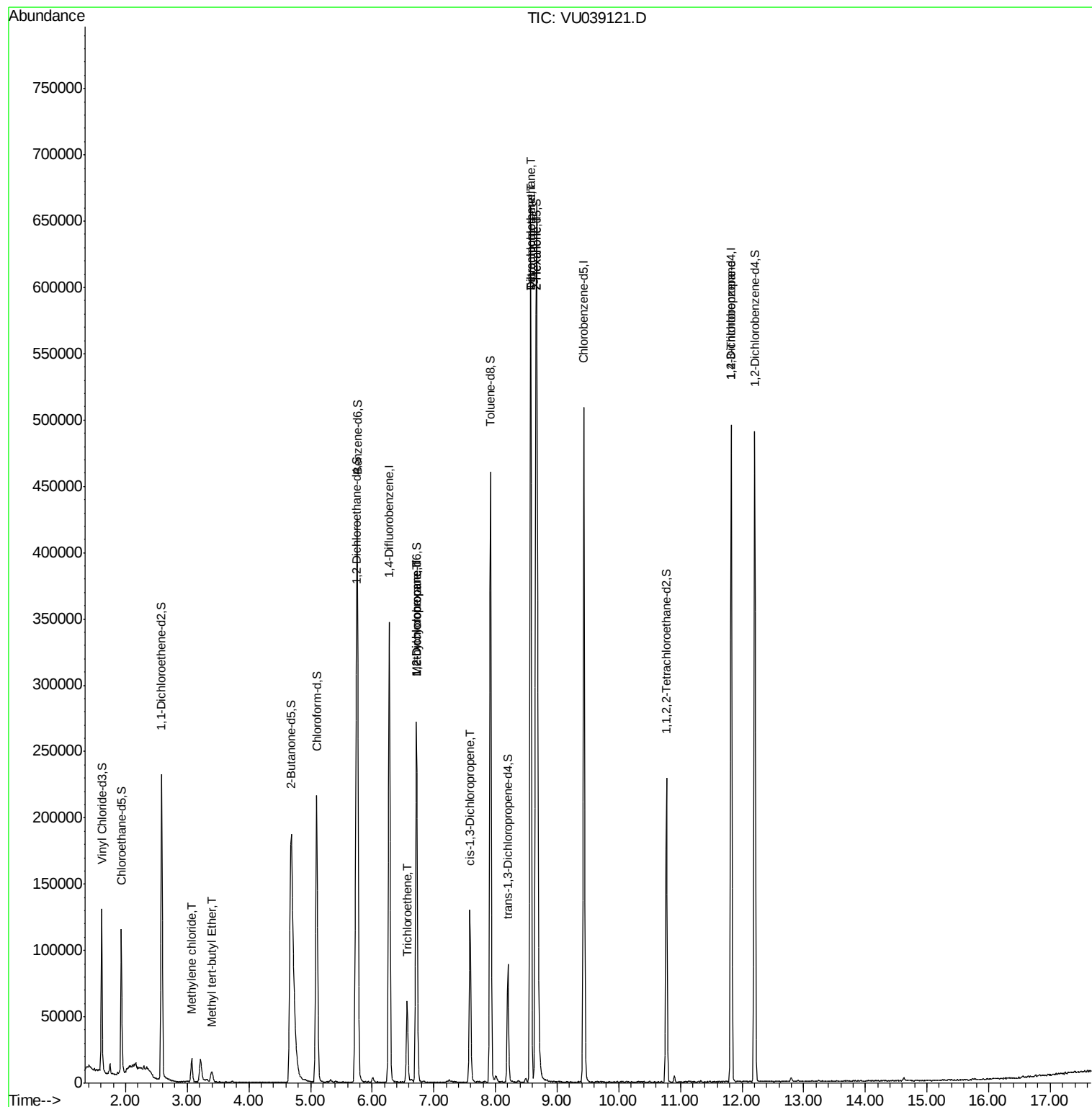
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
16) Methylene chloride	3.07	84	7406	0.329	ug/L	96
17) Methyl tert-butyl Ether	3.40	73	8040	0.155	ug/L	93
34) Trichloroethene	6.57	95	18577	0.911	ug/L	96
35) Methylcyclohexane	6.72	83	29641	0.980	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	14431	0.632	ug/L #	87
39) cis-1,3-Dichloropropene	7.59	75	3179	0.100	ug/L #	41
47) Tetrachloroethene	8.57	164	138075	9.394	ug/L	95
48) 2-Hexanone	8.67	43	46324	3.706	ug/L #	66
49) Dibromochloromethane	8.57	129	132152	7.159	ug/L #	10
59) 1,2,3-Trichloropropane	11.83	75	15996	0.929	ug/L	90

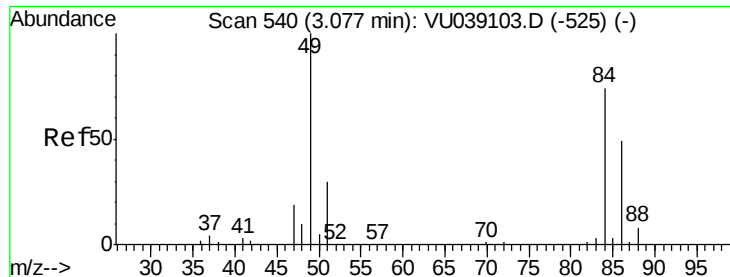
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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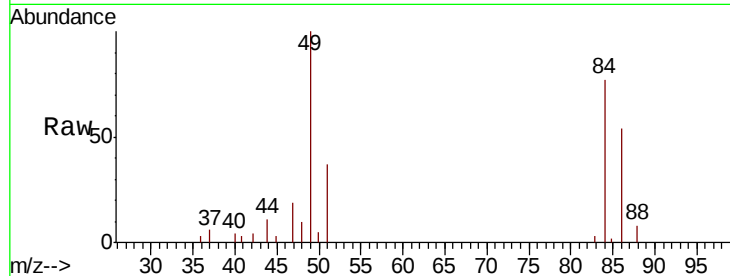




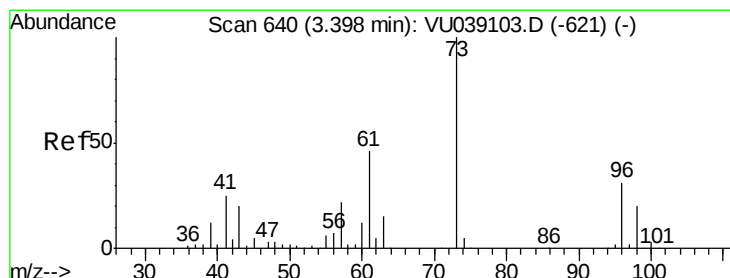
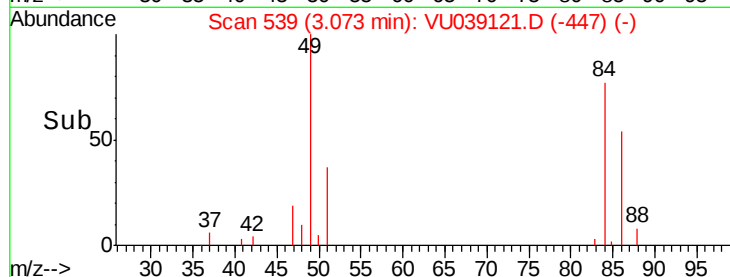
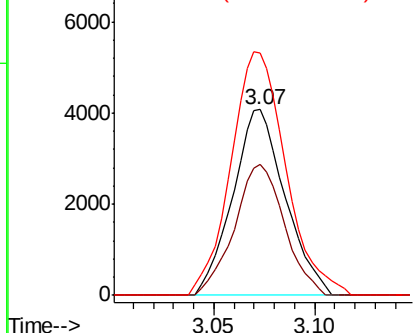
#16
Methvlene chloride
Concen: 0.329 ug/L
RT: 3.07 min Scan# 539
Delta R.T. -0.00 min
Lab File: VU039121.D
Acq: 25 Jun 2020 17:10

Instrument :
MSVOA_U
ClientSampleId :
F9F35DL

Tot Ion: 84 Resp: 7406
Ion Ratio Lower Upper
84 100
86 70.3 44.1 81.9
49 130.7 93.1 172.9

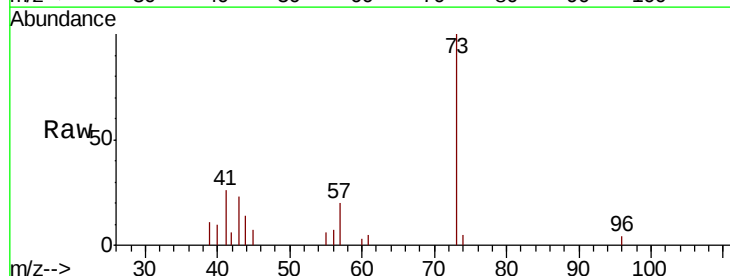


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

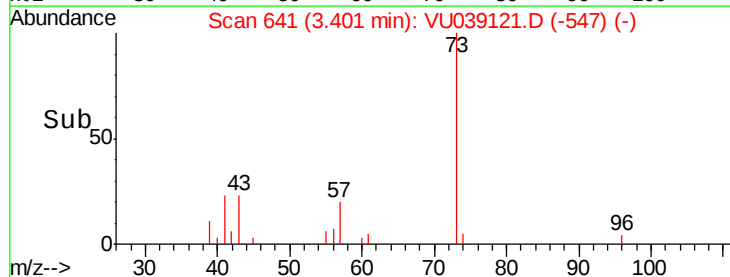
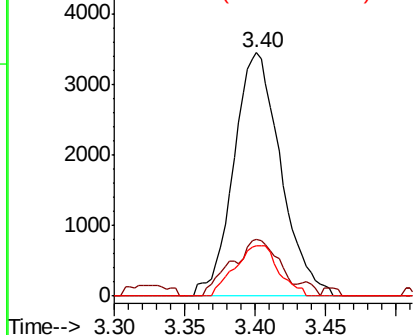


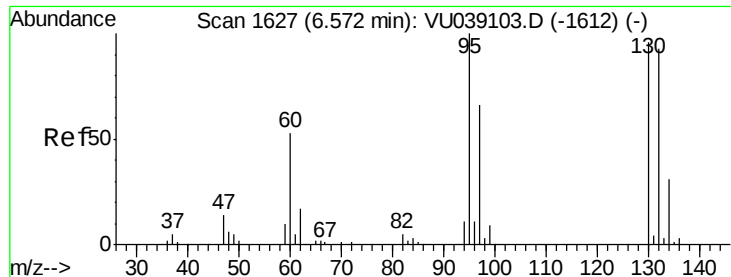
#17
Methyl tert-butyl Ether
Concen: 0.155 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU039121.D
Acq: 25 Jun 2020 17:10

Tgt Ion: 73 Resp: 8040
Ion Ratio Lower Upper
73 100
43 23.6 16.6 24.8
57 19.4 18.2 27.4



Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0





#34

Trichloroethene

Concen: 0.911 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU039121.D

Acq: 25 Jun 2020 17:10

Instrument :

MSVOA_U

ClientSampleId :

F9F35DL

Tot Ion: 95 Resp: 18577

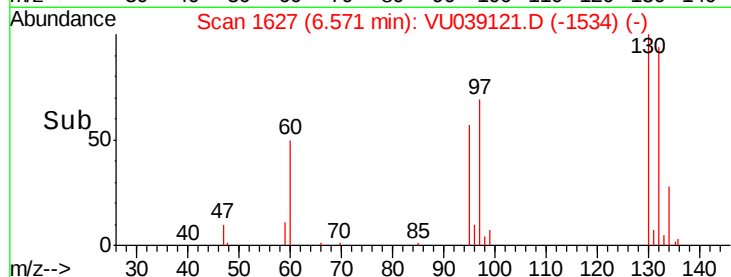
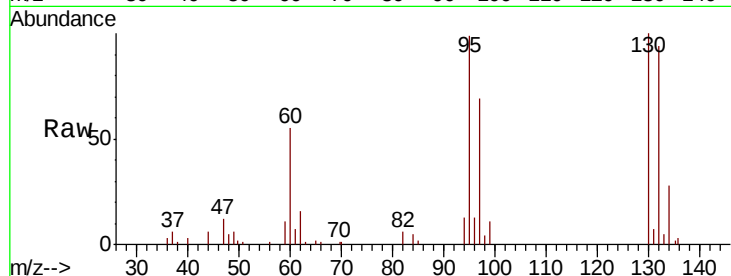
Ion Ratio Lower Upper

95 100

97 69.6 45.1 83.7

132 94.8 65.1 120.9

130 101.1 68.6 127.4



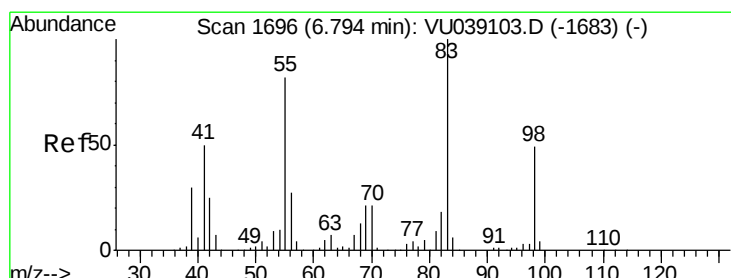
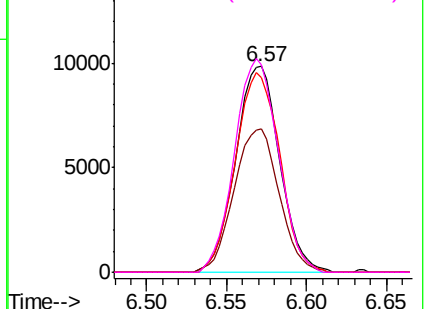
Abundance

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: 0.980 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.07 min

Lab File: VU039121.D

Acq: 25 Jun 2020 17:10

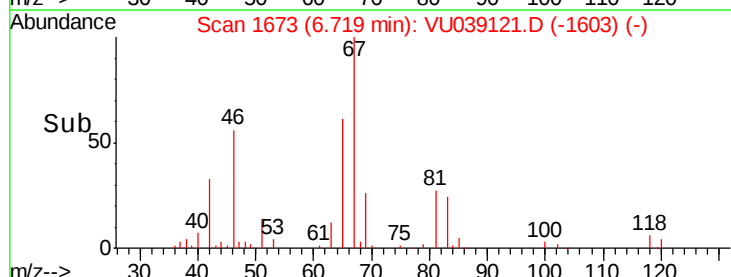
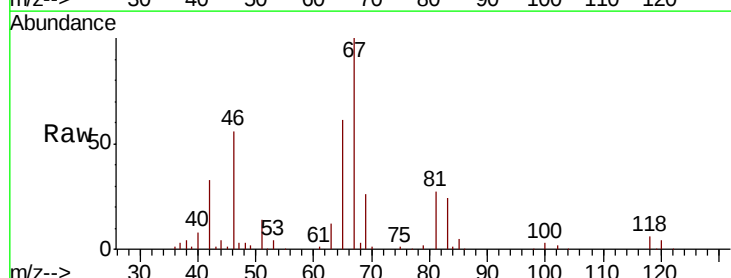
Tgt Ion: 83 Resp: 29641

Ion Ratio Lower Upper

83 100

55 0.4 65.5 98.3#

98 0.9 36.5 54.7#

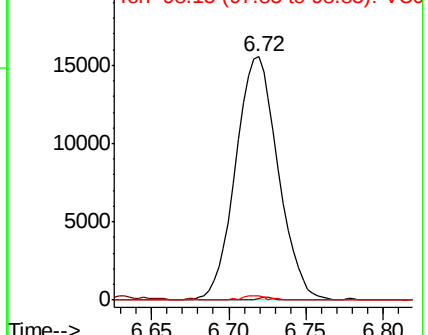


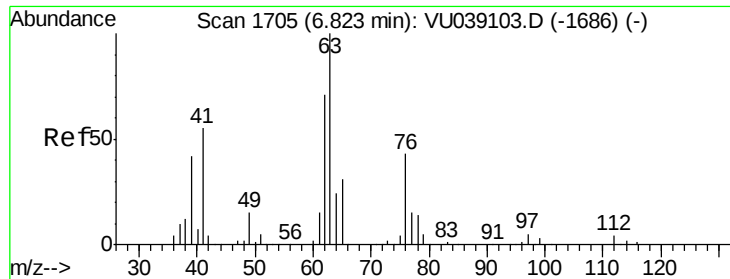
Abundance

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

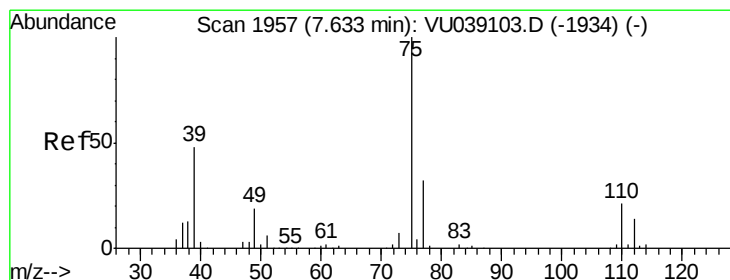
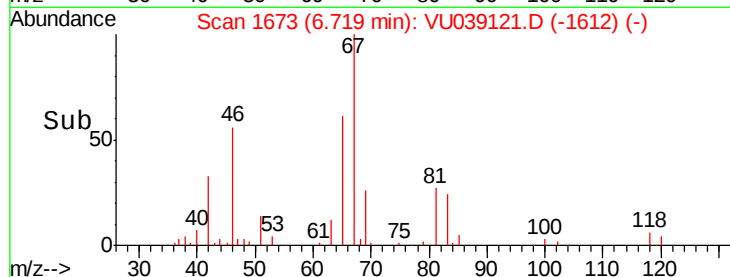
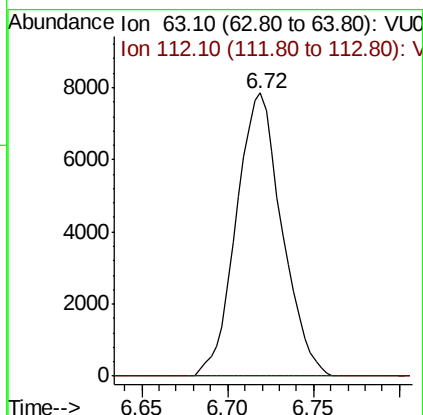
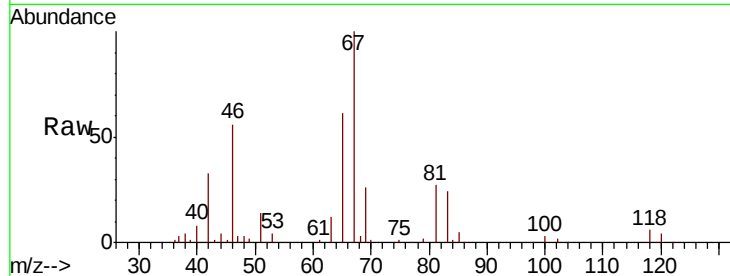




#37
 1,2-Dichloropropane
 Concen: 0.632 ug/L
 RT: 6.72 min Scan# 1673
 Delta R.T. -0.10 min
 Lab File: VU039121.D
 Acq: 25 Jun 2020 17:10

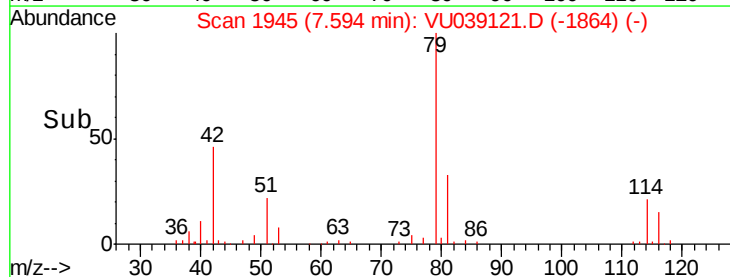
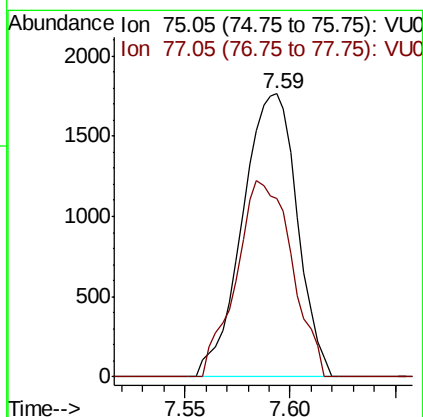
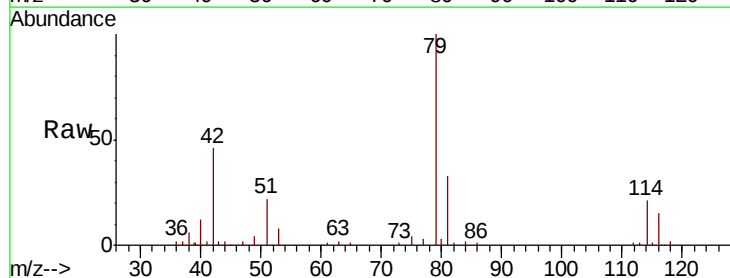
Instrument :
 MSVOA_U
 ClientSampleId :
 F9F35DL

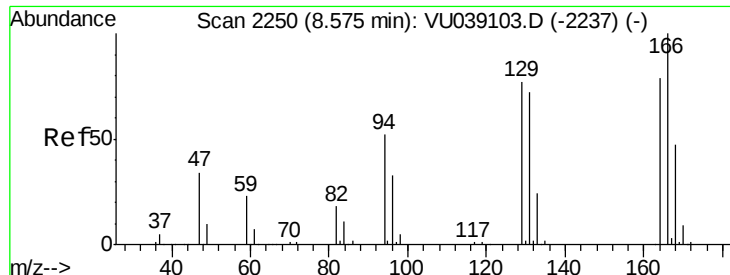
Tot Ion: 63 Resp: 14431
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.100 ug/L
 RT: 7.59 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: VU039121.D
 Acq: 25 Jun 2020 17:10

Tgt Ion: 75 Resp: 3179
 Ion Ratio Lower Upper
 75 100
 77 63.2 21.6 40.0#





#47

Tetrachloroethene

Concen: 9.394 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.00 min

Lab File: VU039121.D

Acq: 25 Jun 2020 17:10

Instrument :

MSVOA_U

ClientSampleId :

F9F35DL

Tot Ion:164 Resp: 138075

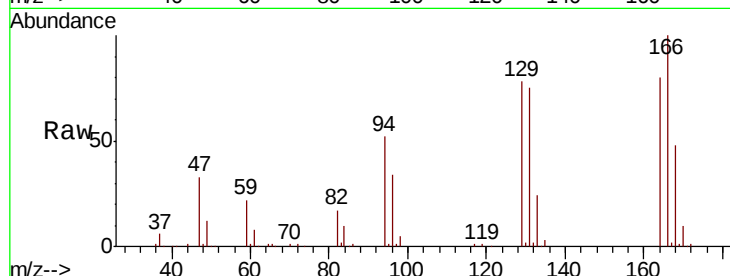
Ion Ratio Lower Upper

164 100

129 97.5 71.3 132.5

131 92.8 68.3 126.8

166 124.4 90.8 168.6

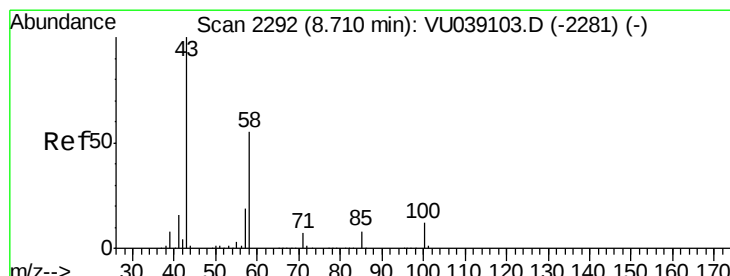
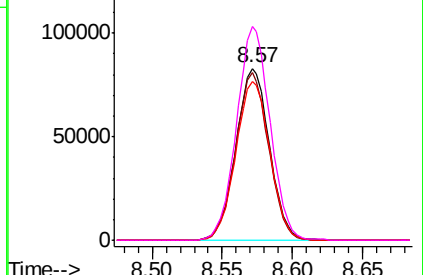
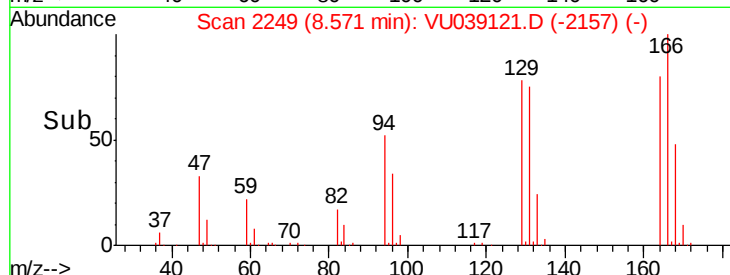


Abundance Ion 163.90 (163.60 to 164.60): V

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: 3.706 ug/L

RT: 8.67 min Scan# 2279

Delta R.T. -0.04 min

Lab File: VU039121.D

Acq: 25 Jun 2020 17:10

Tgt Ion: 43 Resp: 46324

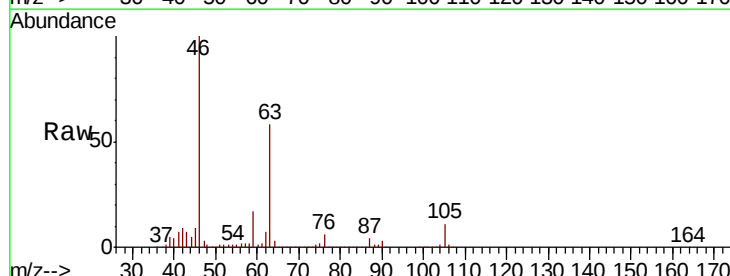
Ion Ratio Lower Upper

43 100

58 26.1 44.0 66.0#

57 28.4 15.0 22.6#

100 0.5 9.4 14.2#

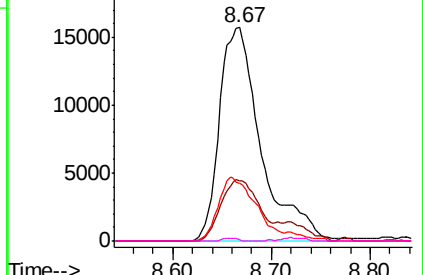
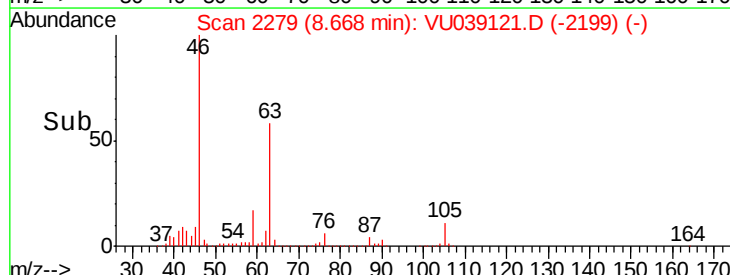


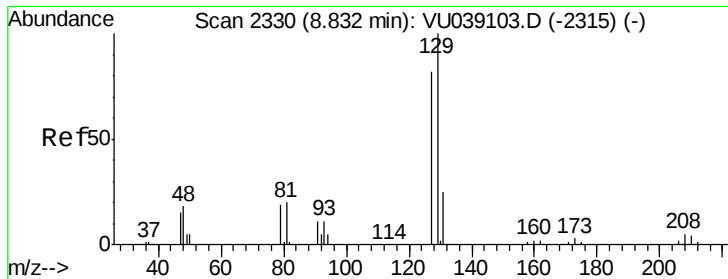
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 7.159 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.26 min

Lab File: VU039121.D

Acq: 25 Jun 2020 17:10

Instrument :

MSVOA_U

ClientSampleId :

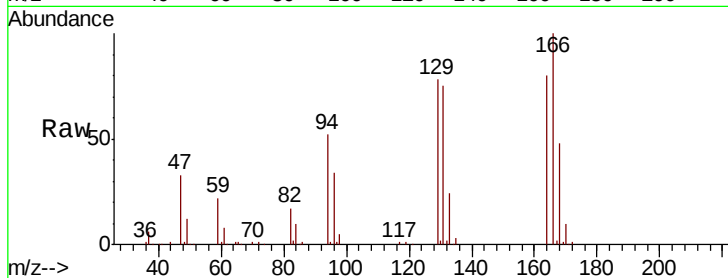
F9F35DL

Tot Ion:129 Resp: 132152

Ion Ratio Lower Upper

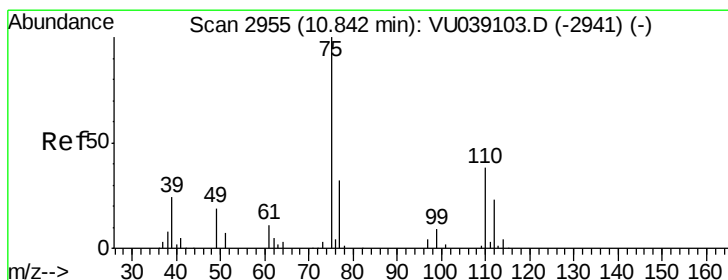
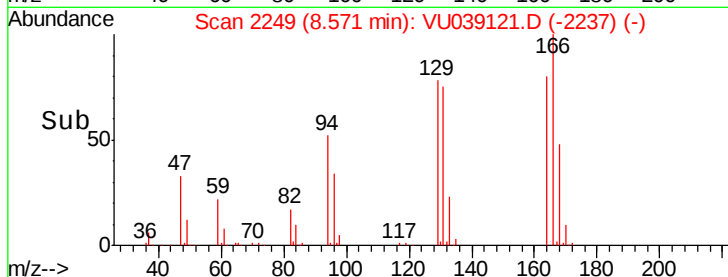
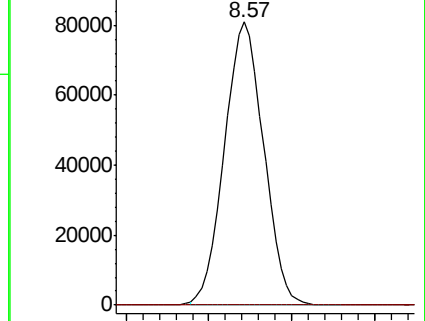
129 100

127 0.0 55.4 103.0#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 0.929 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU039121.D

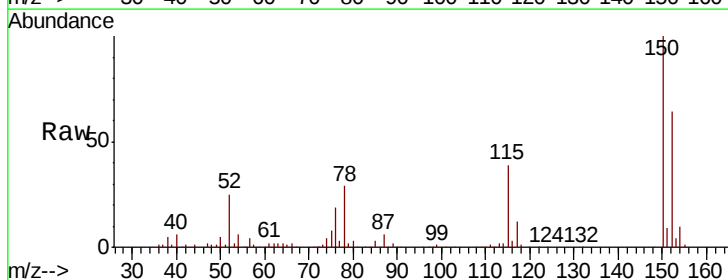
Acq: 25 Jun 2020 17:10

Tgt Ion: 75 Resp: 15996

Ion Ratio Lower Upper

75 100

77 38.3 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

