

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071620\
 Data File : VU039527.D
 Acq On : 16 Jul 2020 16:28
 Operator : SY/MD
 Sample : L3292-08 20X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 17 01:11:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 17 01:06:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	92668	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	89925	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	41440	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	18912	3.52	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.40%
7) Chloroethane-d5	1.92	69	28663	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.40%
11) 1,1-Dichloroethene-d2	2.58	63	32093	3.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.80%
20) 2-Butanone-d5	4.65	46	102444	41.69	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.38%
24) Chloroform-d	5.08	84	49612	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.80%
26) 1,2-Dichloroethane-d4	5.72	65	32615	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.80%
32) Benzene-d6	5.74	84	95879	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
36) 1,2-Dichloropropane-d6	6.71	67	32736	4.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.00%
41) Toluene-d8	7.91	98	82003	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%
43) trans-1,3-Dichloropropene-	8.19	79	12621	3.76	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.20%
46) 2-Hexanone-d5	8.64	63	73427	36.85	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	73.70%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	28620	3.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	76.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	32727	4.42	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.40%

Target Compounds

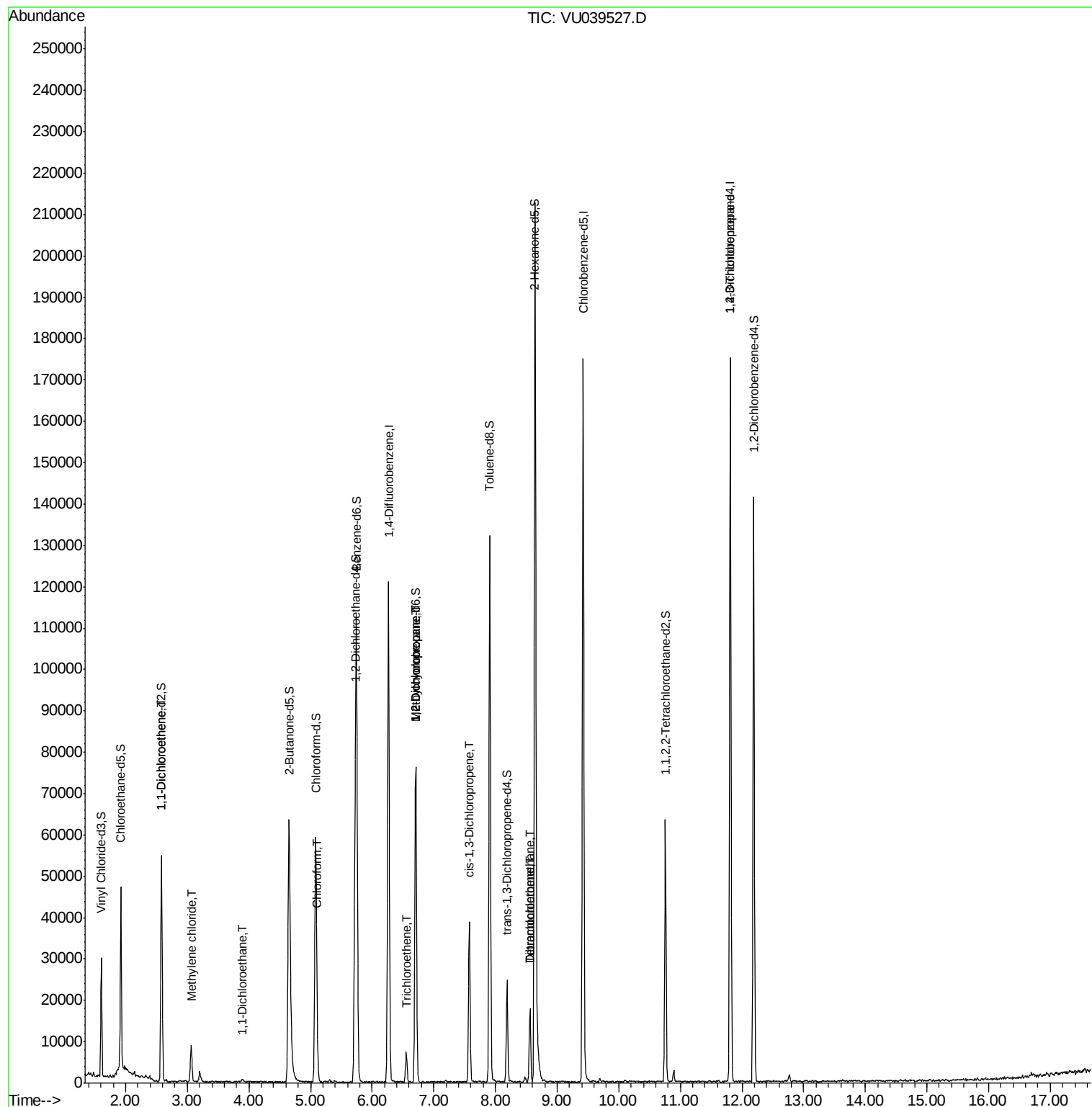
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.58	96	358	0.065	ug/L #	1
16) Methylene chloride	3.06	84	3829	0.552	ug/L	95
19) 1,1-Dichloroethane	3.90	63	1071	0.090	ug/L #	90
25) Chloroform	5.11	83	3422	0.284	ug/L	90
34) Trichloroethene	6.56	95	2242	0.323	ug/L	87
35) Methylcyclohexane	6.70	83	7348	0.660	ug/L #	18
37) 1,2-Dichloropropane	6.70	63	4037	0.551	ug/L #	91
39) cis-1,3-Dichloropropene	7.57	75	1203	0.109	ug/L #	56
47) Tetrachloroethene	8.56	164	3413	0.706	ug/L	92
49) Dibromochloromethane	8.56	129	3300	0.518	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	6616	1.225	ug/L	96

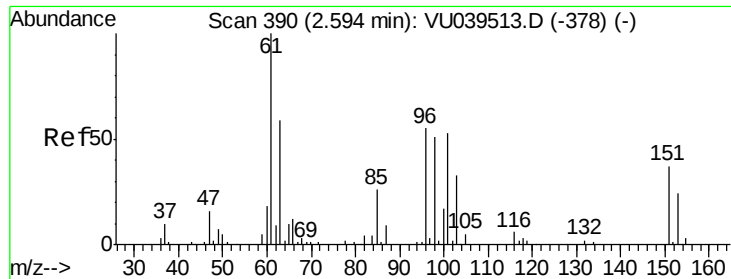
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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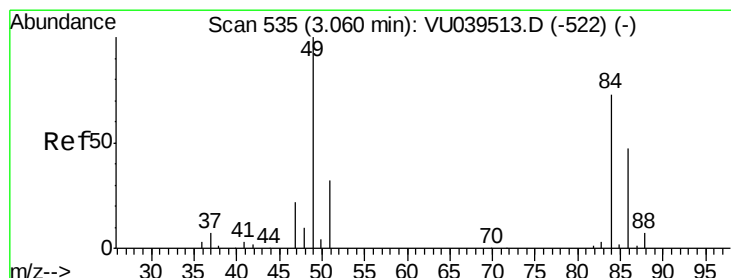
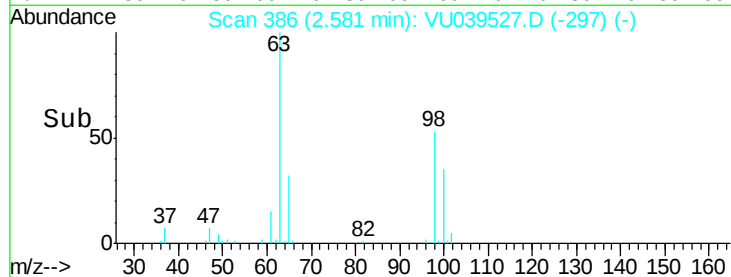
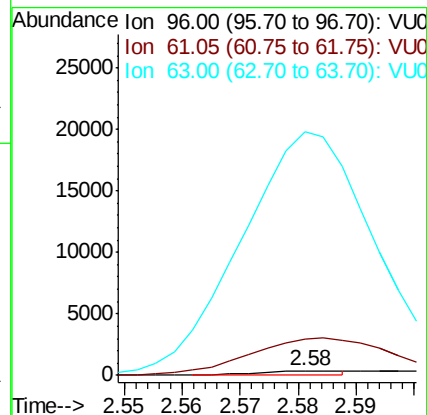
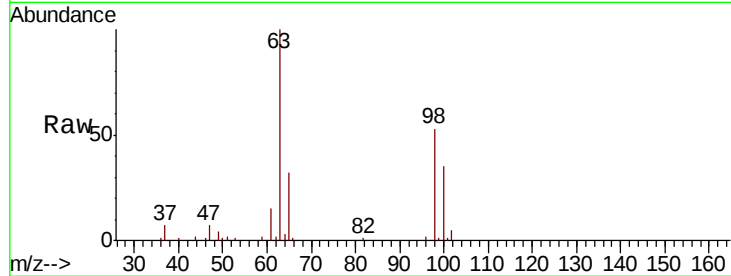




#12
 1,1-Dichloroethene
 Concen: 0.065 ug/L
 RT: 2.58 min Scan# 386
 Delta R.T. -0.01 min
 Lab File: VU039527.D
 Acq: 16 Jul 2020 16:28

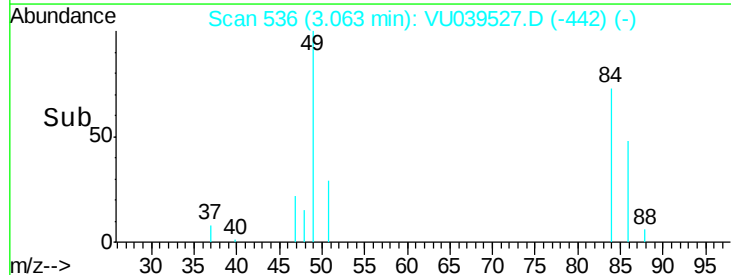
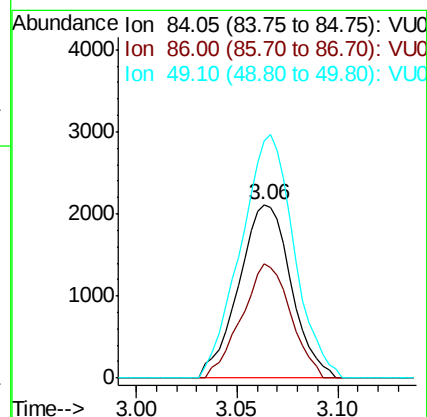
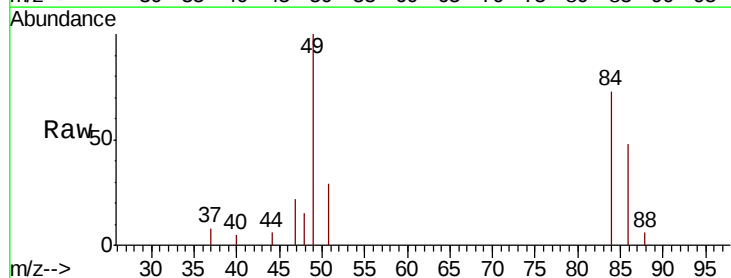
Instrument :
 MSVOA_U
 ClientSampled :

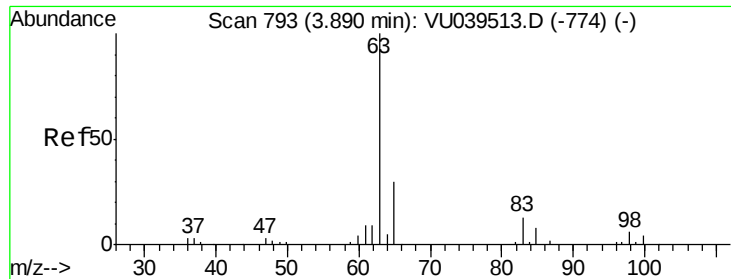
Tot Ion: 96 Resp: 358
 Ion Ratio Lower Upper
 96 100
 61 771.0 125.4 232.8#
 63 5224.3 92.7 172.3#



#16
 Methylene chloride
 Concen: 0.552 ug/L
 RT: 3.06 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VU039527.D
 Acq: 16 Jul 2020 16:28

Tgt Ion: 84 Resp: 3829
 Ion Ratio Lower Upper
 84 100
 86 65.6 43.5 80.9
 49 136.7 91.1 169.1

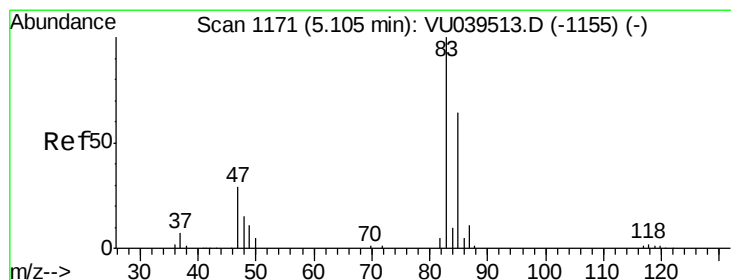
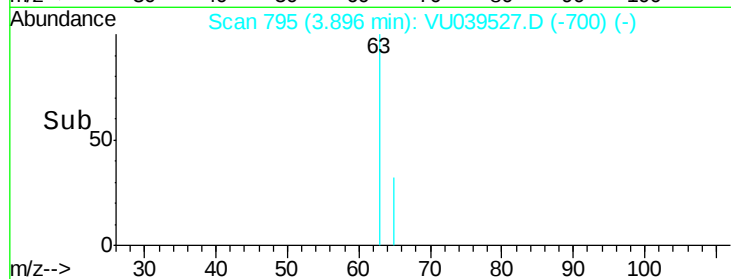
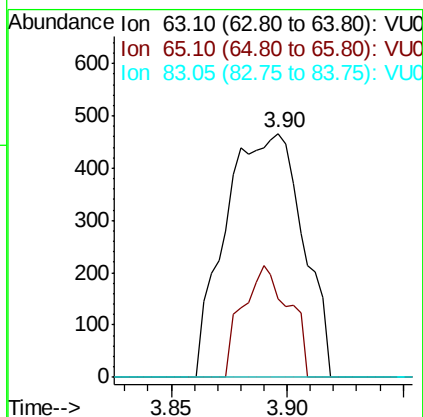
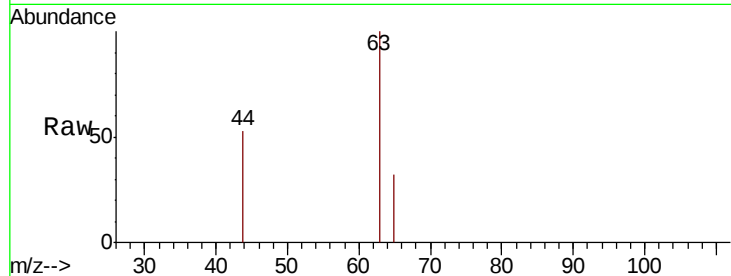




#19
 1,1-Dichloroethane
 Concen: 0.090 ug/L
 RT: 3.90 min Scan# 795
 Delta R.T. 0.01 min
 Lab File: VU039527.D
 Acq: 16 Jul 2020 16:28

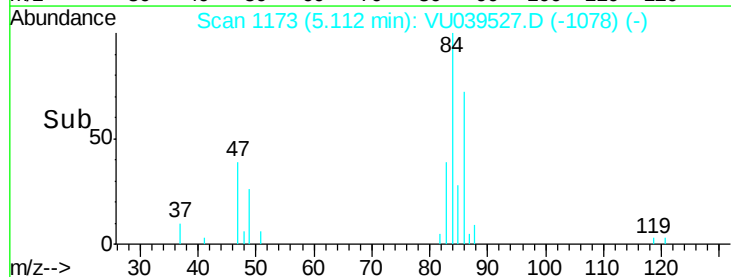
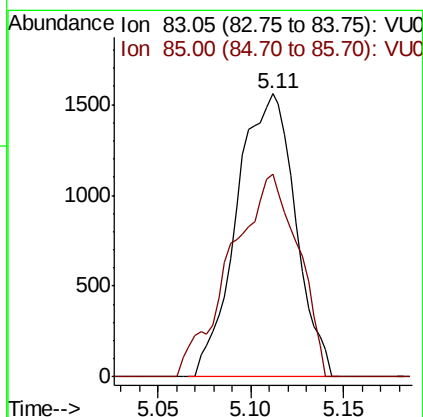
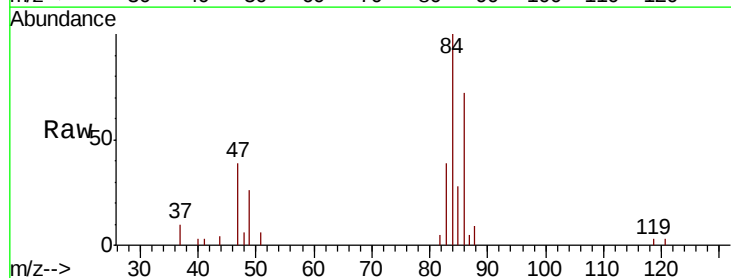
Instrument :
 MSVOA_U
 ClientSampleId :

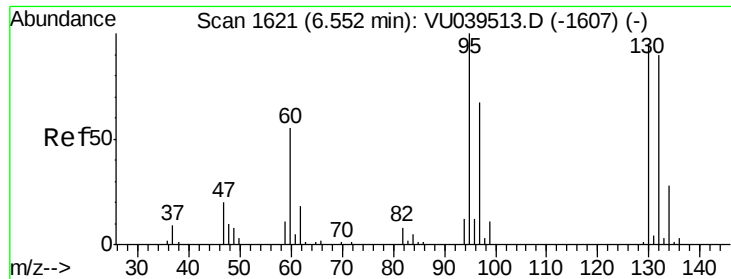
Tot Ion: 63 Resp: 1071
 Ion Ratio Lower Upper
 63 100
 65 32.4 23.0 42.6
 83 0.0 9.6 17.8#



#25
 Chloroform
 Concen: 0.284 ug/L
 RT: 5.11 min Scan# 1173
 Delta R.T. 0.01 min
 Lab File: VU039527.D
 Acq: 16 Jul 2020 16:28

Tgt Ion: 83 Resp: 3422
 Ion Ratio Lower Upper
 83 100
 85 71.6 44.9 83.5

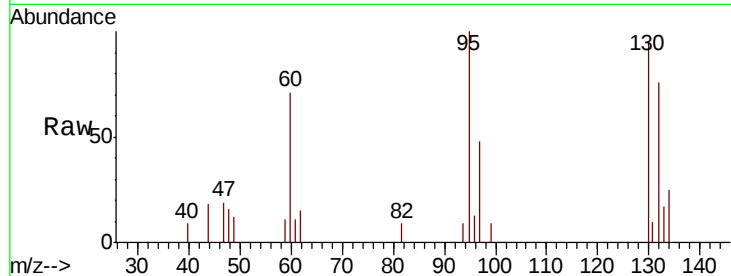




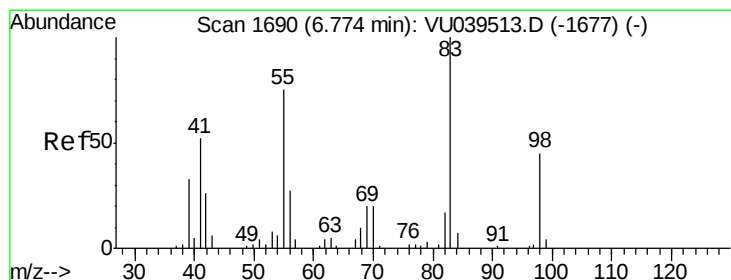
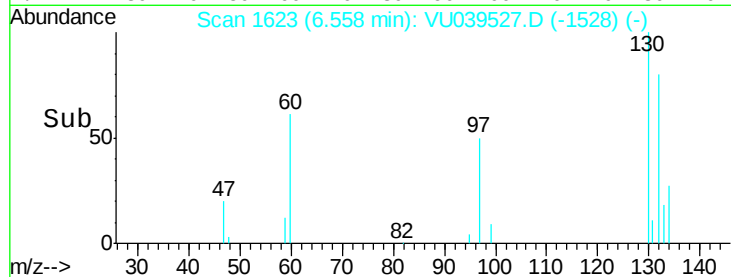
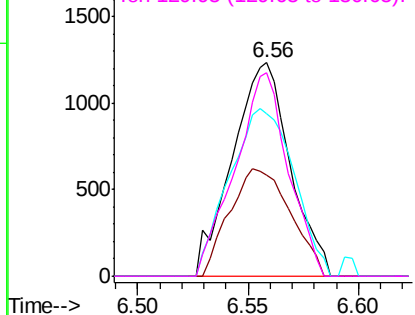
#34
 Trichloroethene
 Concen: 0.323 ug/L
 RT: 6.56 min Scan# 1623
 Delta R.T. 0.01 min
 Lab File: VU039527.D
 Acq: 16 Jul 2020 16:28

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 2242
 Ion Ratio Lower Upper
 95 100
 97 47.5 46.3 85.9
 132 76.0 64.0 118.8
 130 95.4 64.3 119.5

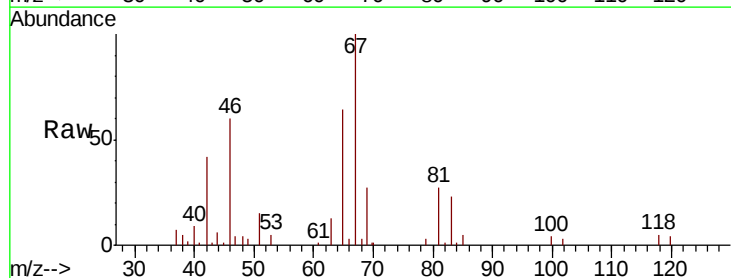


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

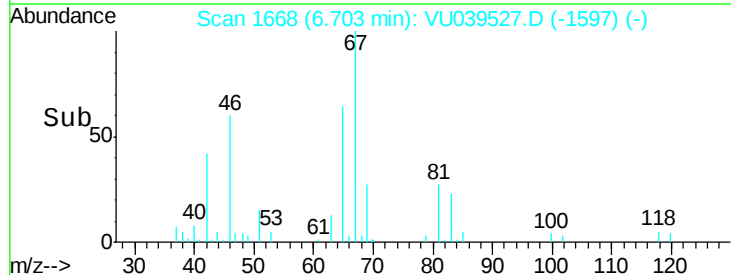
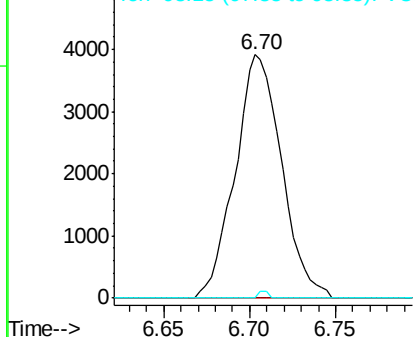


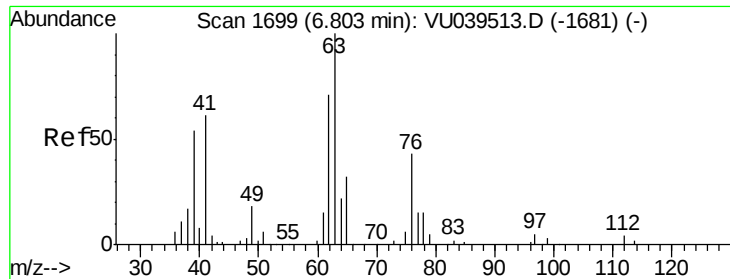
#35
 Methylcyclohexane
 Concen: 0.660 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU039527.D
 Acq: 16 Jul 2020 16:28

Tgt Ion: 83 Resp: 7348
 Ion Ratio Lower Upper
 83 100
 55 0.0 62.1 93.1#
 98 0.6 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

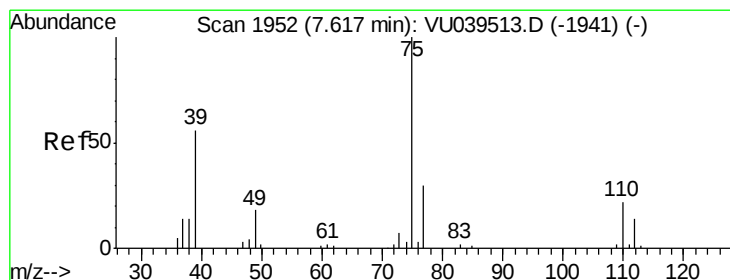
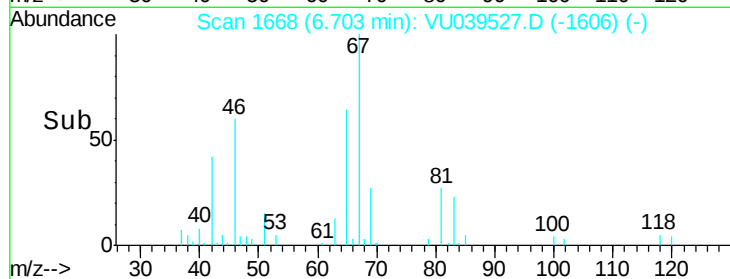
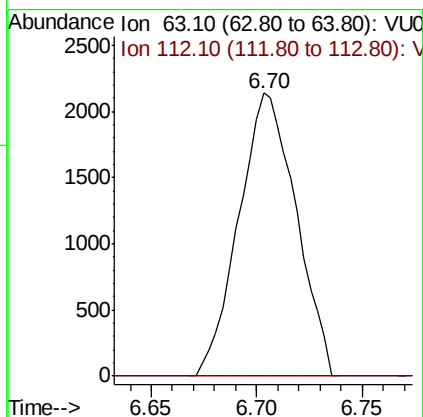
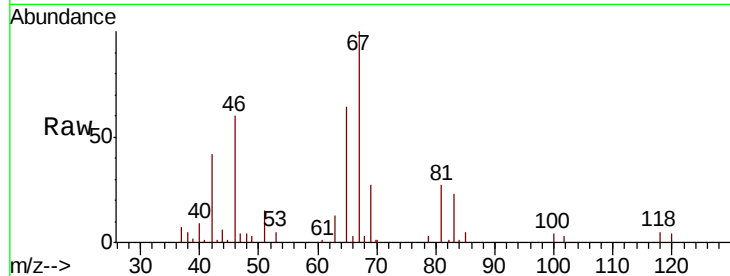




#37
 1,2-Dichloropropane
 Concen: 0.551 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU039527.D
 Acq: 16 Jul 2020 16:28

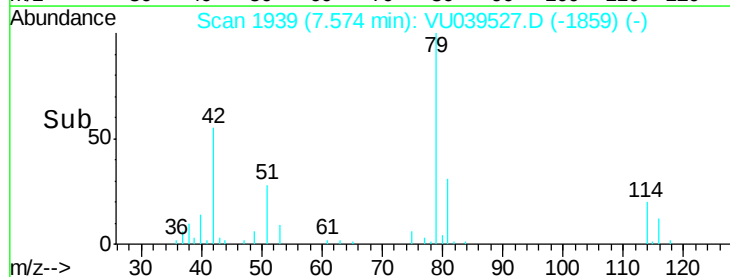
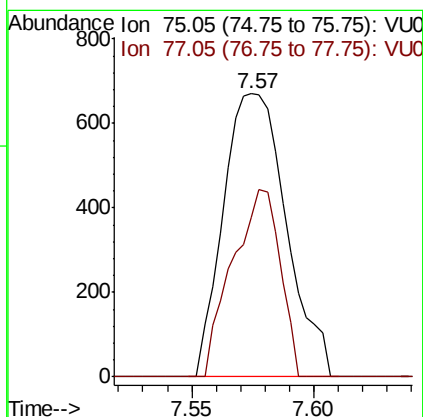
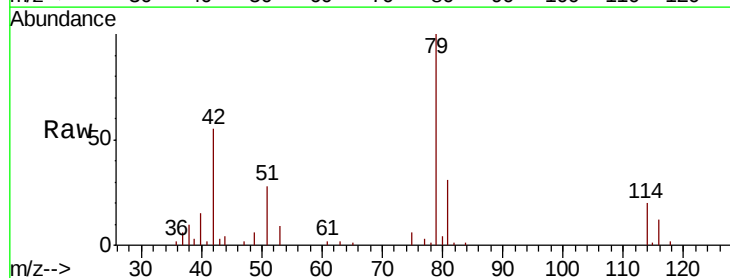
Instrument :
 MSVOA_U
 ClientSampled :

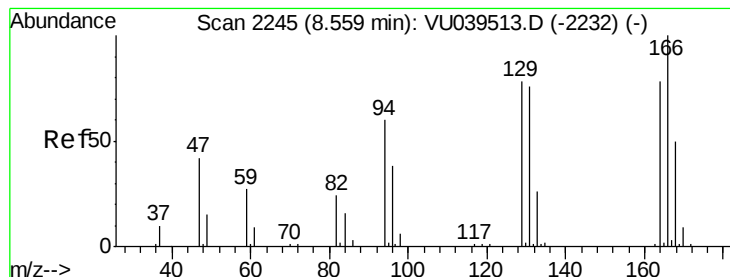
Tot Ion: 63 Resp: 4037
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.5 3.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.109 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU039527.D
 Acq: 16 Jul 2020 16:28

Tgt Ion: 75 Resp: 1203
 Ion Ratio Lower Upper
 75 100
 77 56.3 22.3 41.3#





#47

Tetrachloroethene

Concen: 0.706 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. 0.00 min

Lab File: VU039527.D

Acq: 16 Jul 2020 16:28

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 3413

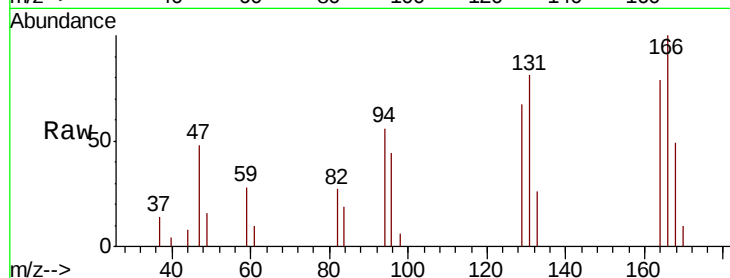
Ion Ratio Lower Upper

164 100

129 84.9 68.6 127.4

131 101.9 66.4 123.4

166 126.4 85.9 159.5

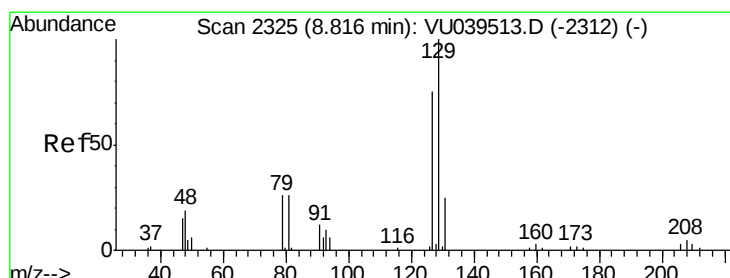
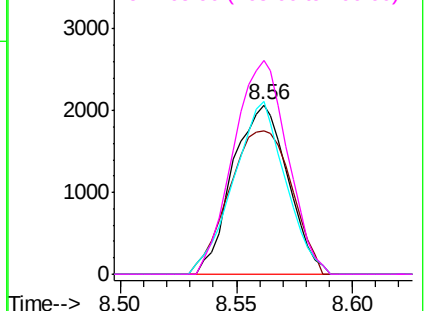
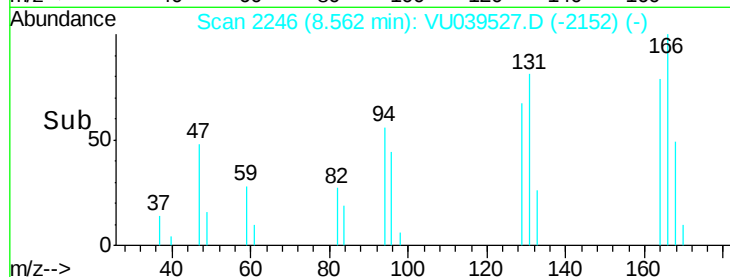


Abundance Ion 163.90 (163.60 to 164.60): V

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



#49

Dibromochloromethane

Concen: 0.518 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. -0.25 min

Lab File: VU039527.D

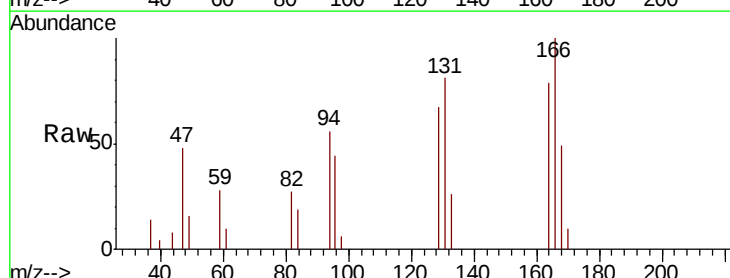
Acq: 16 Jul 2020 16:28

Tgt Ion:129 Resp: 3300

Ion Ratio Lower Upper

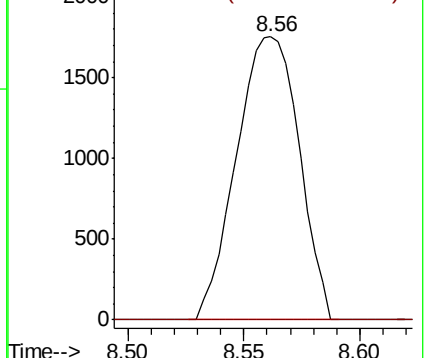
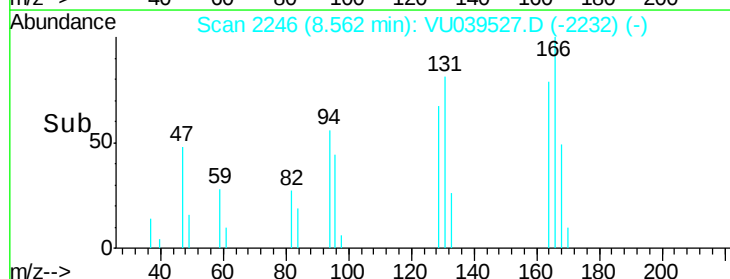
129 100

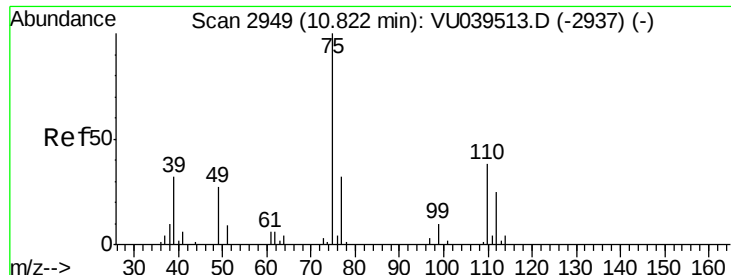
127 0.0 55.4 102.8#



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: 1.225 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039527.D

Acq: 16 Jul 2020 16:28

Instrument :

MSVOA_U

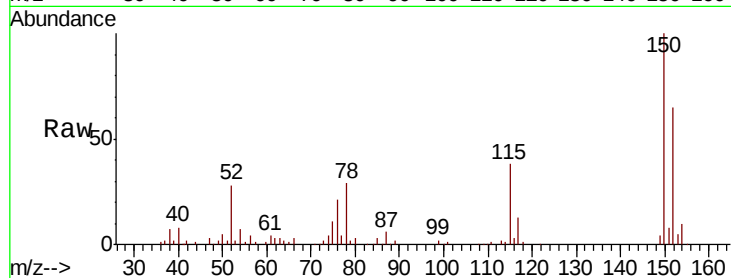
ClientSampleId :

Tot Ion: 75 Resp: 6616

Ion Ratio Lower Upper

75 100

77 36.0 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

