

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080820\
 Data File : VU039814.D
 Acq On : 08 Aug 2020 16:29
 Operator : SY/MD
 Sample : L3591-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 10 01:20:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Aug 10 01:16:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	75052	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	74807	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	32674	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	22580	5.57	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	111.40%
7) Chloroethane-d5	1.92	69	19827	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.40%
11) 1,1-Dichloroethene-d2	2.58	63	57832	7.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	141.80%#
20) 2-Butanone-d5	4.66	46	74156	41.60	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.20%
24) Chloroform-d	5.08	84	43874	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.60%
26) 1,2-Dichloroethane-d4	5.72	65	26444	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.80%
32) Benzene-d6	5.74	84	84367	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	6.71	67	26985	4.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.60%
41) Toluene-d8	7.91	98	73186	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
43) trans-1,3-Dichloropropene-	8.19	79	9166	3.92	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.40%
46) 2-Hexanone-d5	8.64	63	50301	39.78	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.56%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	22814	3.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	77.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	30506	5.46	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.20%

Target Compounds

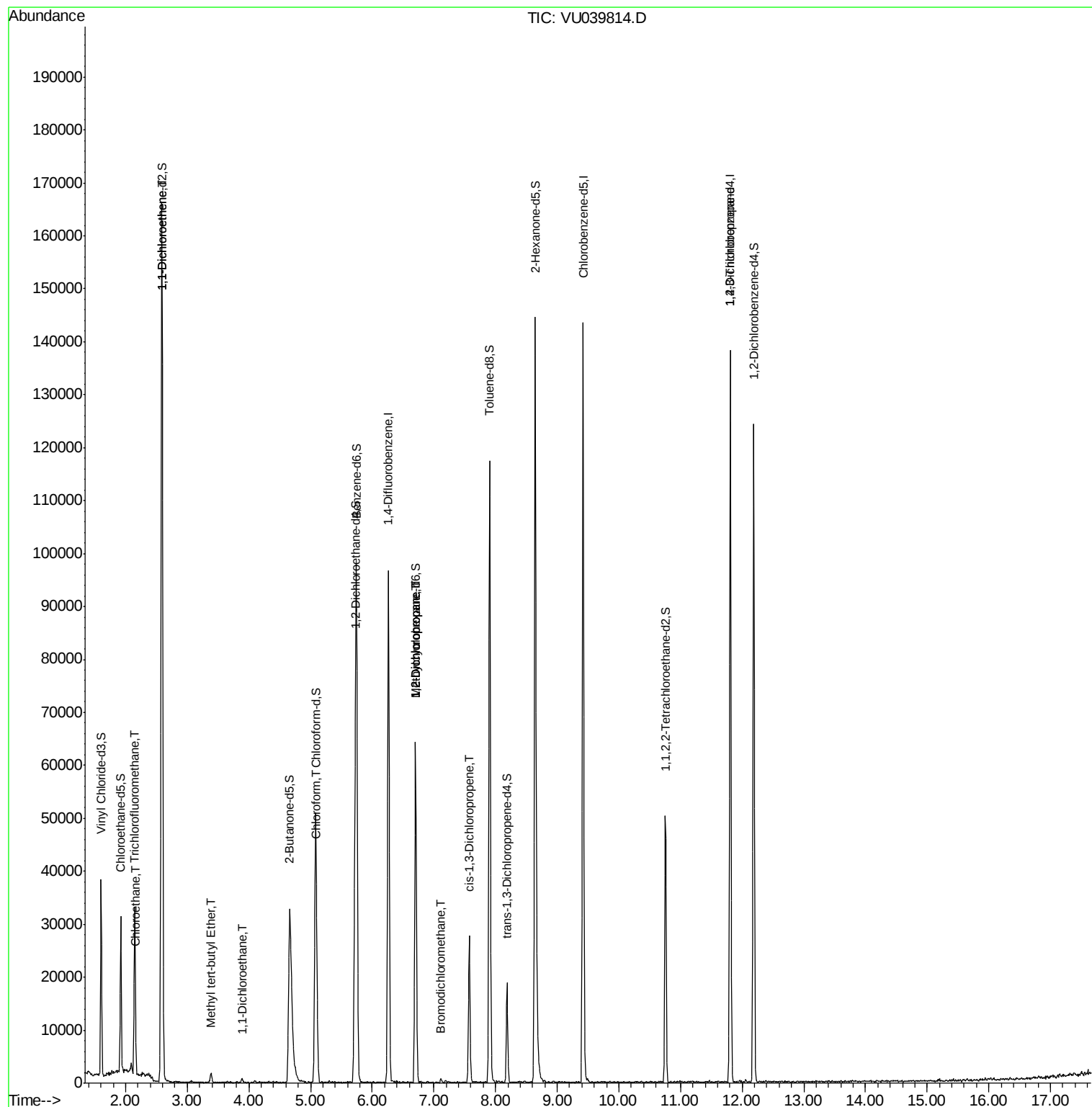
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	2.17	64	555	0.124	ug/L	99
9) Trichlorofluoromethane	2.15	101	18732	1.974	ug/L	100
12) 1,1-Dichloroethene	2.59	96	44764	9.999	ug/L #	84
17) Methyl tert-butyl Ether	3.39	73	1967	0.165	ug/L #	73
19) 1,1-Dichloroethane	3.89	63	1092	0.119	ug/L #	84
25) Chloroform	5.11	83	3737	0.378	ug/L	86
35) Methylcyclohexane	6.70	83	6683	0.791	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	3070	0.567	ug/L #	86
38) Bromodichloromethane	7.11	83	551	0.078	ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	775	0.105	ug/L #	73
59) 1,2,3-Trichloropropane	11.81	75	4981	1.276	ug/L	90

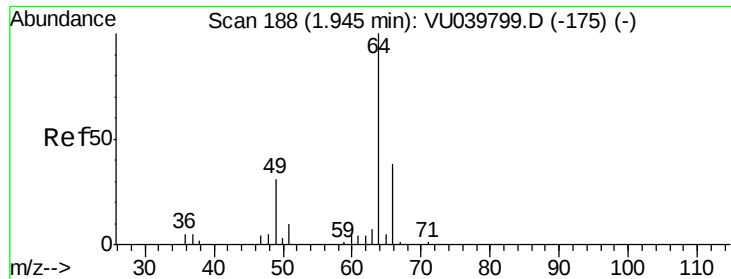
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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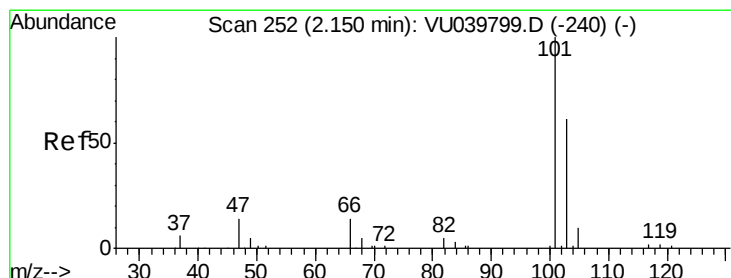
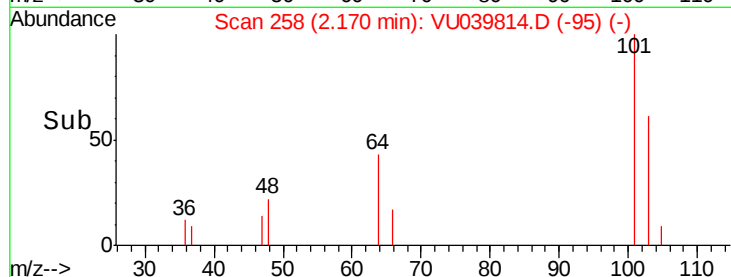
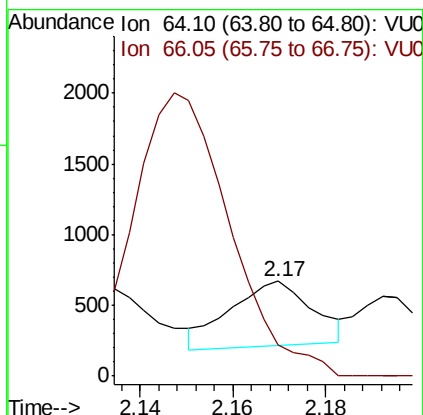
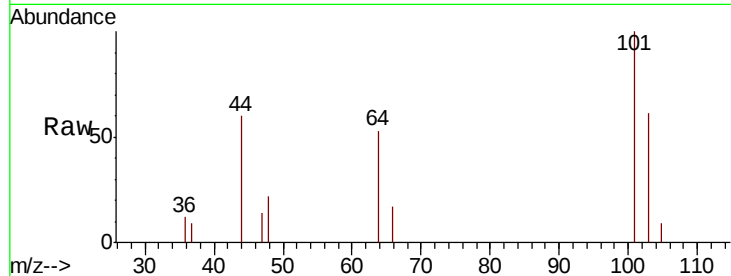




#8
Chloroethane
Concen: 0.124 ug/L
RT: 2.17 min Scan# 258
Delta R.T. 0.23 min
Lab File: VU039814.D
Acq: 08 Aug 2020 16:29

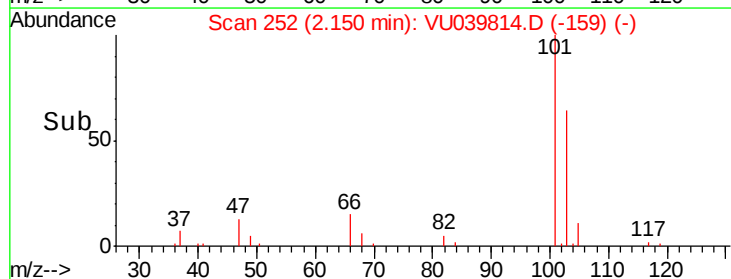
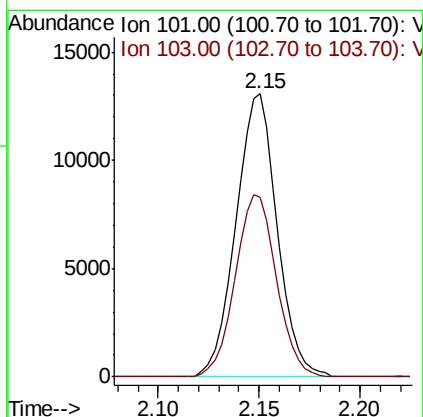
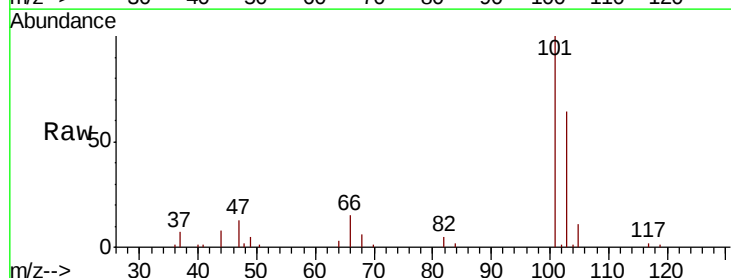
Instrument :
MSVOA_U
ClientSampled :

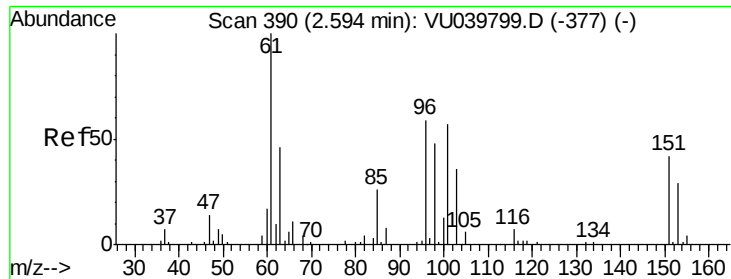
Tot Ion: 64 Resp: 555
Ion Ratio Lower Upper
64 100
66 32.4 22.3 41.3



#9
Trichlorofluoromethane
Concen: 1.974 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU039814.D
Acq: 08 Aug 2020 16:29

Tgt Ion:101 Resp: 18732
Ion Ratio Lower Upper
101 100
103 64.2 51.4 77.2





#12

1,1-Dichloroethene

Concen: 9.999 ug/L

RT: 2.59 min Scan# 390

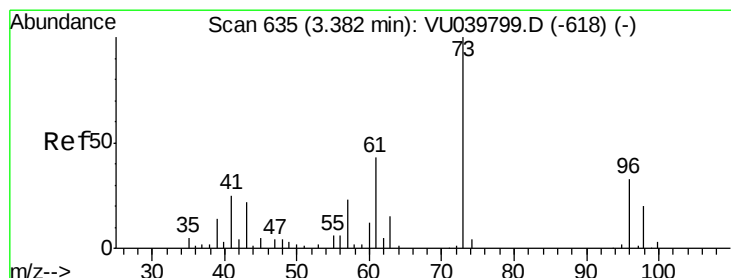
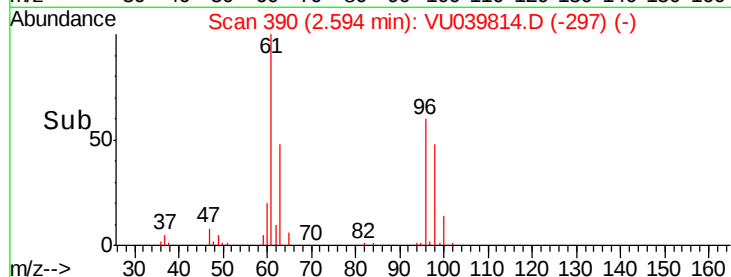
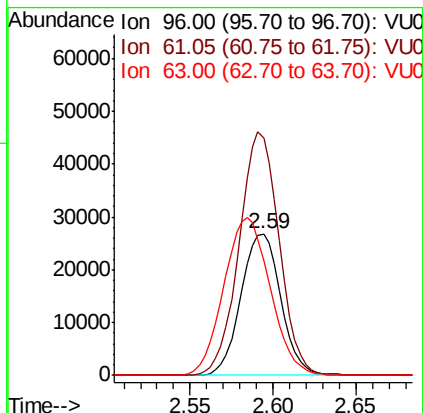
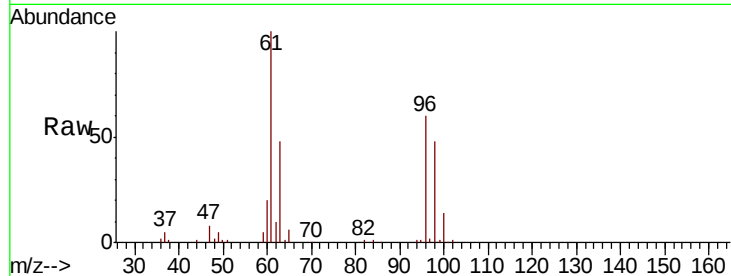
Delta R.T. 0.00 min

Lab File: VU039814.D

Acq: 08 Aug 2020 16:29

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 44764
Ion Ratio Lower Upper
96 100
61 167.9 121.7 225.9
63 81.0 82.1 152.5#



#17

Methyl tert-butyl Ether

Concen: 0.165 ug/L

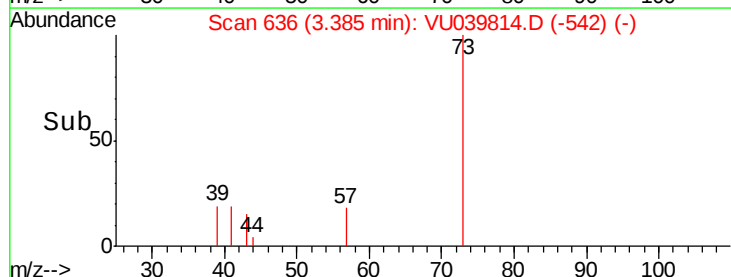
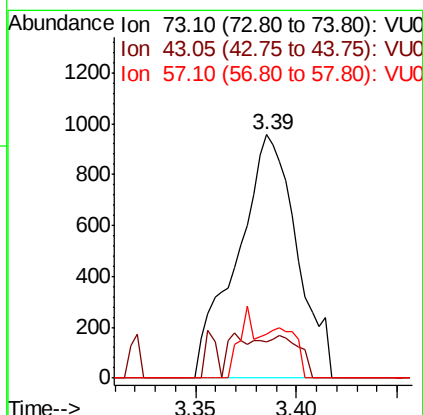
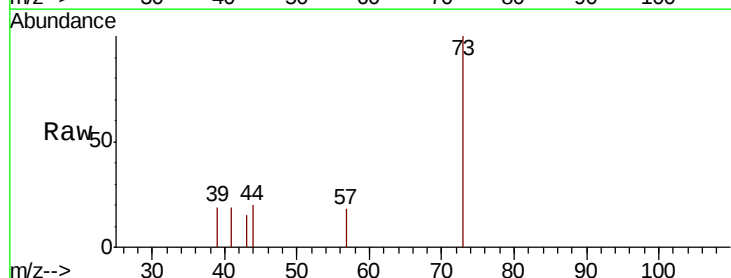
RT: 3.39 min Scan# 636

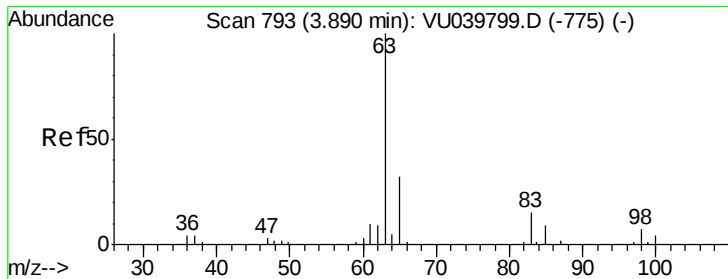
Delta R.T. 0.00 min

Lab File: VU039814.D

Acq: 08 Aug 2020 16:29

Tgt Ion: 73 Resp: 1967
Ion Ratio Lower Upper
73 100
43 8.3 18.2 27.4#
57 10.5 17.8 26.8#

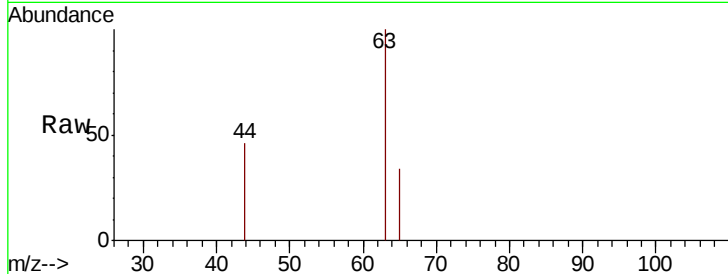




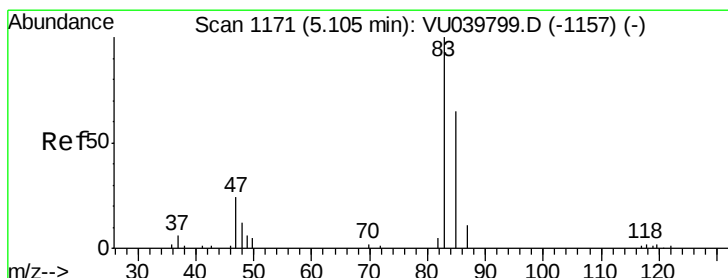
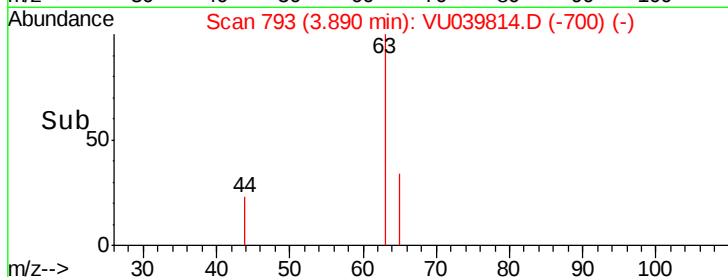
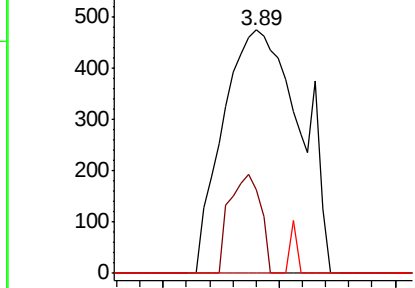
#19
 1,1-Dichloroethane
 Concen: 0.119 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU039814.D
 Acq: 08 Aug 2020 16:29

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 63 Resp: 1092
 Ion Ratio Lower Upper
 63 100
 65 34.4 22.0 41.0
 83 0.0 10.9 20.2#

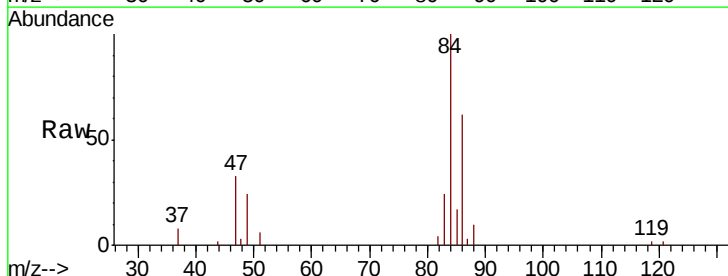


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

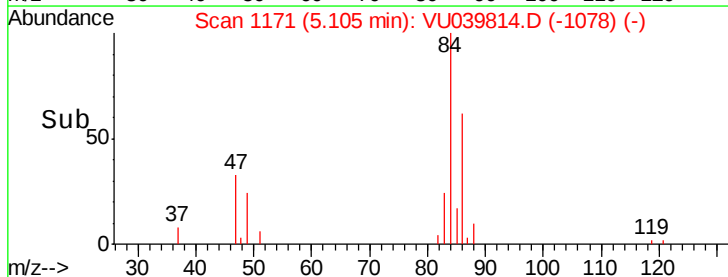
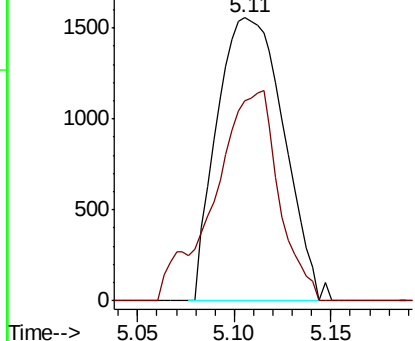


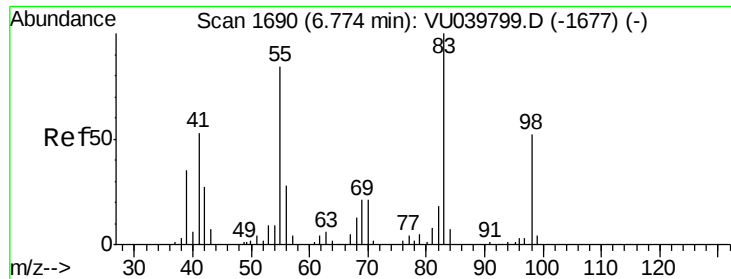
#25
 Chloroform
 Concen: 0.378 ug/L
 RT: 5.11 min Scan# 1171
 Delta R.T. 0.00 min
 Lab File: VU039814.D
 Acq: 08 Aug 2020 16:29

Tgt Ion: 83 Resp: 3737
 Ion Ratio Lower Upper
 83 100
 85 70.7 42.1 78.3



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0

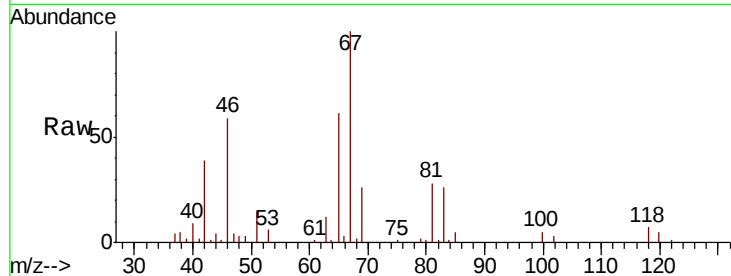




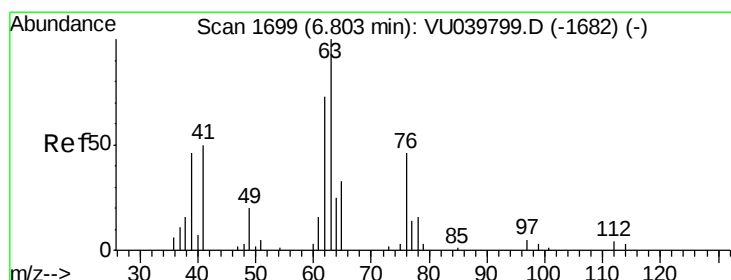
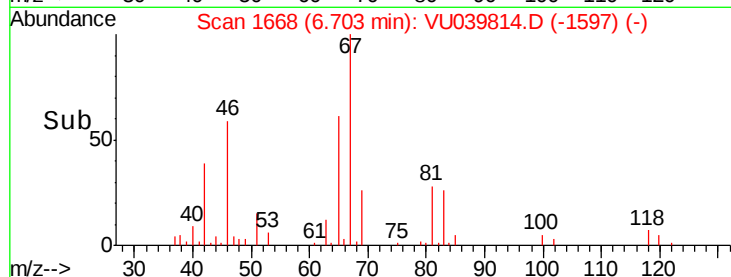
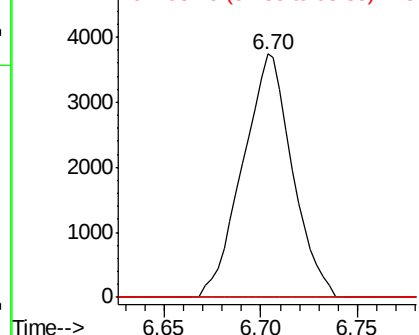
#35
Methvlcvclohexane
Concen: 0.791 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU039814.D
Acq: 08 Aug 2020 16:29

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 6683
Ion Ratio Lower Upper
83 100
55 0.0 59.4 89.0#
98 0.0 39.0 58.4#

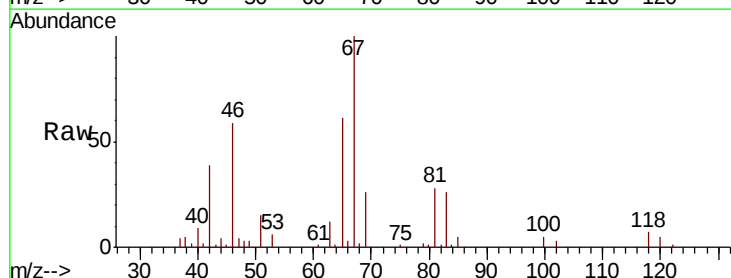


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

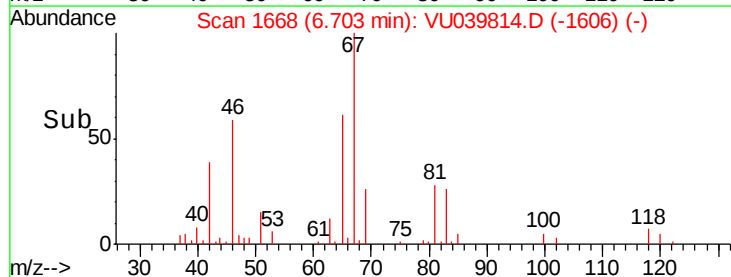
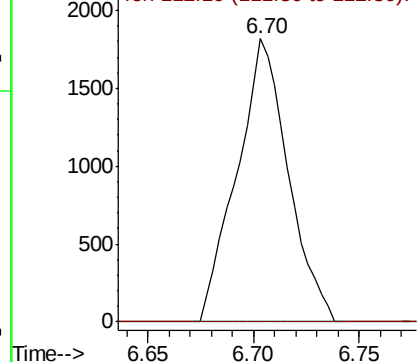


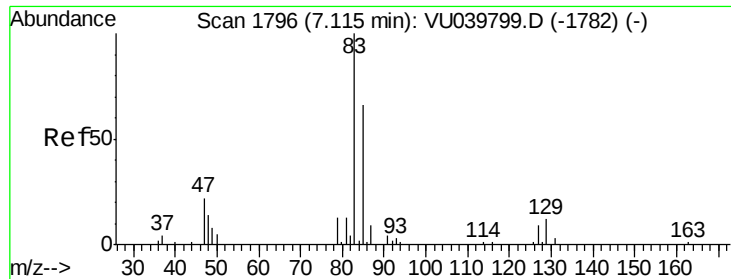
#37
1,2-Dichloropropane
Concen: 0.567 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU039814.D
Acq: 08 Aug 2020 16:29

Tgt Ion: 63 Resp: 3070
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#



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

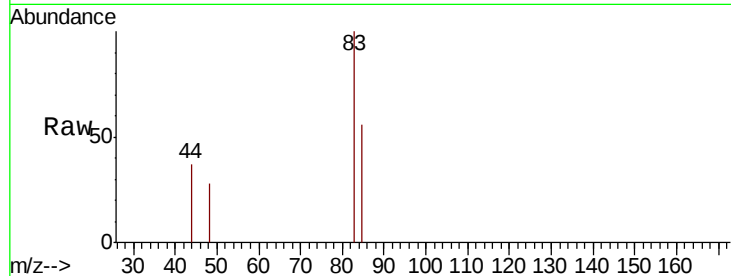




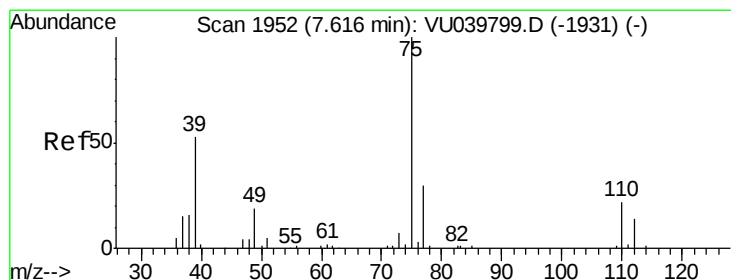
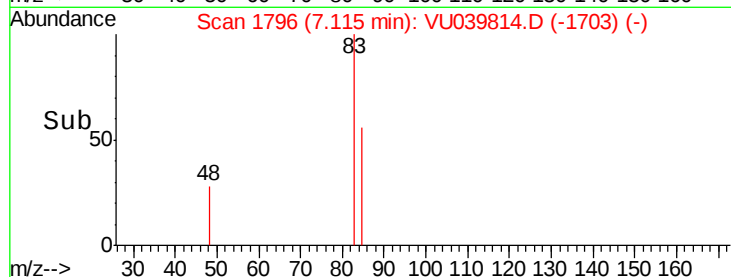
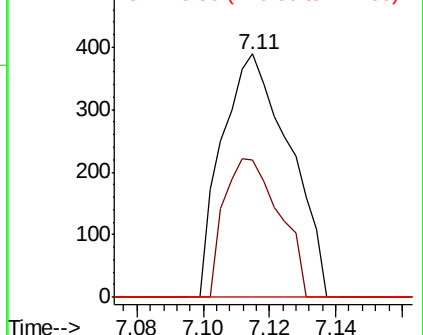
#38
 Bromodichloromethane
 Concen: 0.078 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU039814.D
 Acq: 08 Aug 2020 16:29

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 83 Resp: 551
 Ion Ratio Lower Upper
 83 100
 85 56.3 45.3 84.1
 127 0.0 7.5 11.3#

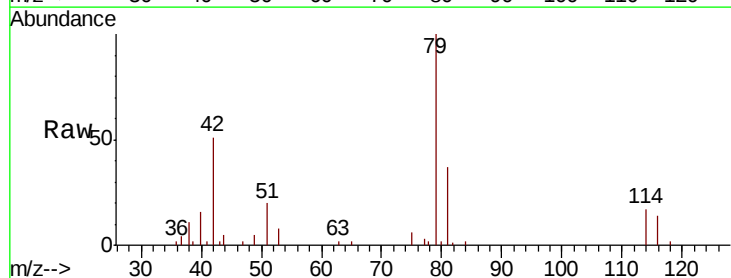


Abundance Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0
 Ion 126.90 (126.60 to 127.60): V

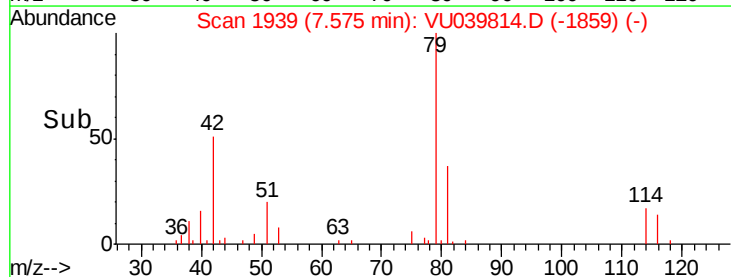
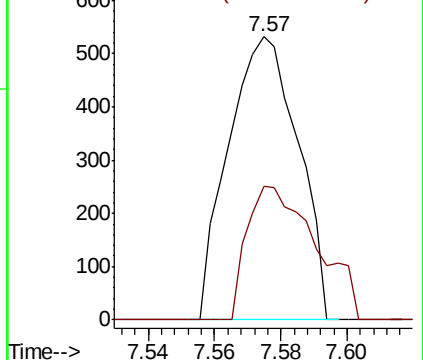


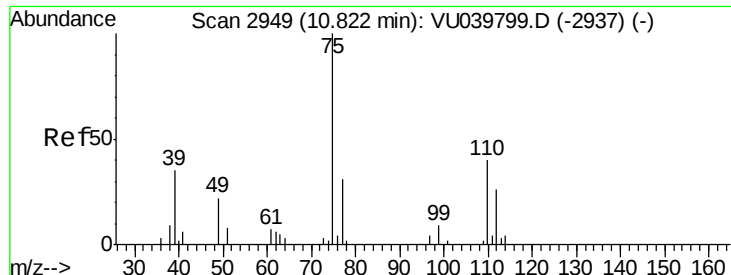
#39
 cis-1,3-Dichloropropene
 Concen: 0.105 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU039814.D
 Acq: 08 Aug 2020 16:29

Tgt Ion: 75 Resp: 775
 Ion Ratio Lower Upper
 75 100
 77 47.2 22.4 41.6#



Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 77.05 (76.75 to 77.75): VU0





#59

1,2,3-Trichloropropane

Concen: 1.276 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU039814.D

Acq: 08 Aug 2020 16:29

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 4981

Ion Ratio Lower Upper

75 100

77 36.4 24.6 37.0

