

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051220\
 Data File : VU038121.D
 Acq On : 12 May 2020 13:59
 Operator : JC/MD
 Sample : L2599-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 13 01:15:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 13 01:13:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	401440	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	389400	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	187533	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	131657	3.59	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.80%
7) Chloroethane-d5	1.93	69	120380	3.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.80%
11) 1,1-Dichloroethene-d2	2.59	63	170248	2.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.40%#
20) 2-Butanone-d5	4.68	46	488526	53.92	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.84%
24) Chloroform-d	5.10	84	225794	4.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.00%
26) 1,2-Dichloroethane-d4	5.74	65	138373	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.60%
32) Benzene-d6	5.76	84	490133	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.00%
36) 1,2-Dichloropropane-d6	6.72	67	160750	4.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.40%
41) Toluene-d8	7.92	98	426075	4.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.20%
43) trans-1,3-Dichloropropene-	8.20	79	61721	4.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.80%
46) 2-Hexanone-d5	8.65	63	391683	54.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.96%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	136689	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.00%
64) 1,2-Dichlorobenzene-d4	12.20	152	159529	4.37	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.40%

Target Compounds

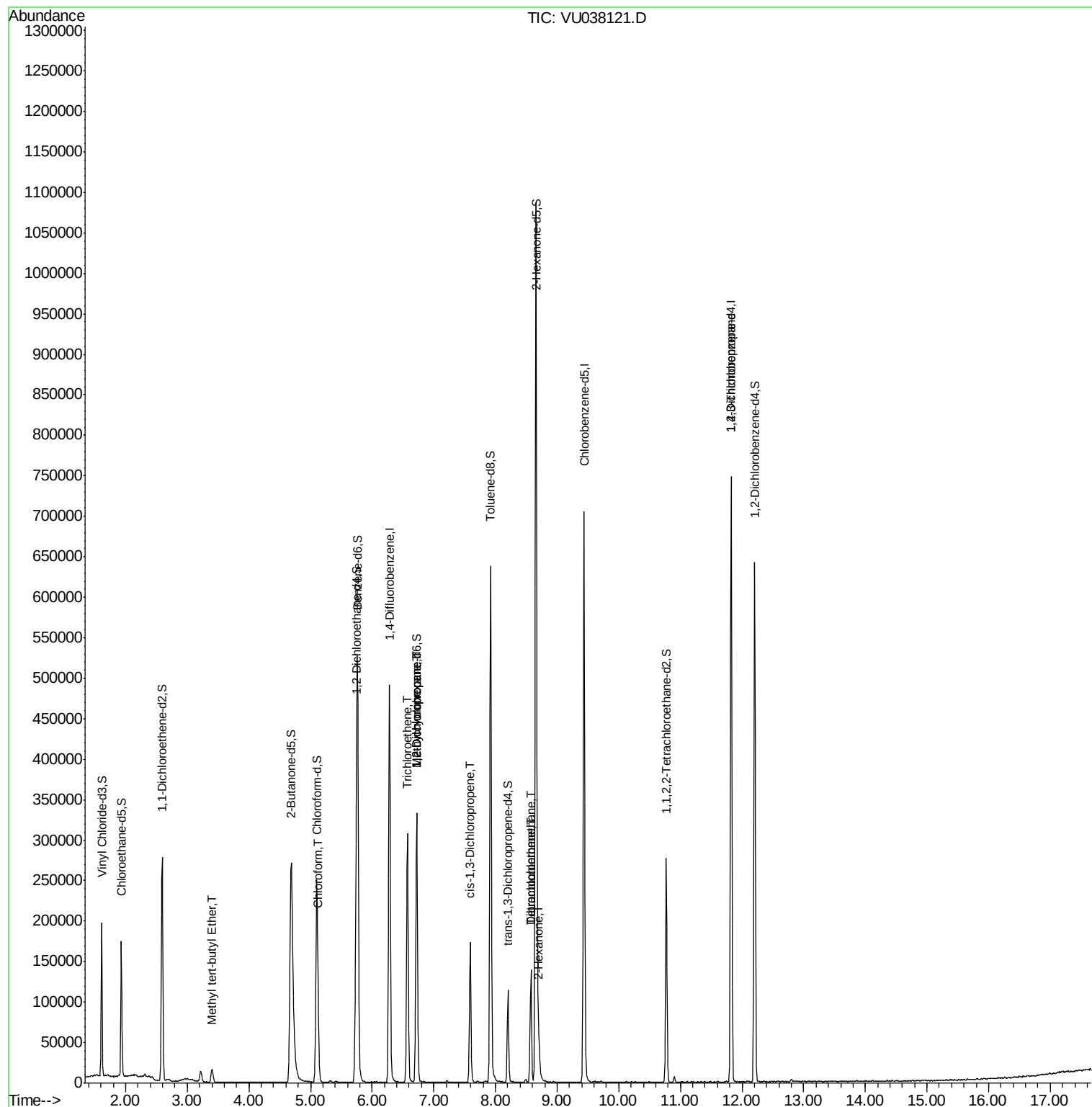
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
17) Methyl tert-butyl Ether	3.40	73	18175	0.235	ug/L	99
25) Chloroform	5.13	83	28060	0.506	ug/L	99
34) Trichloroethene	6.57	95	106503	3.415	ug/L	98
35) Methylcyclohexane	6.72	83	35462	0.702	ug/L #	16
37) 1,2-Dichloropropane	6.72	63	16431	0.485	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	3797	0.078	ug/L #	64
47) Tetrachloroethene	8.57	164	30946	1.419	ug/L	98
48) 2-Hexanone	8.71	43	23278	1.354	ug/L	95
49) Dibromochloromethane	8.57	129	30143	1.235	ug/L #	10
59) 1,2,3-Trichloropropane	11.82	75	24341	1.071	ug/L	91

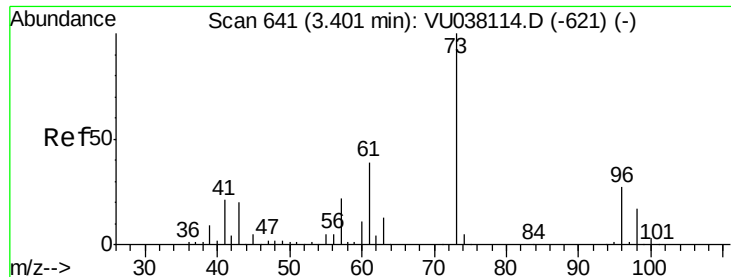
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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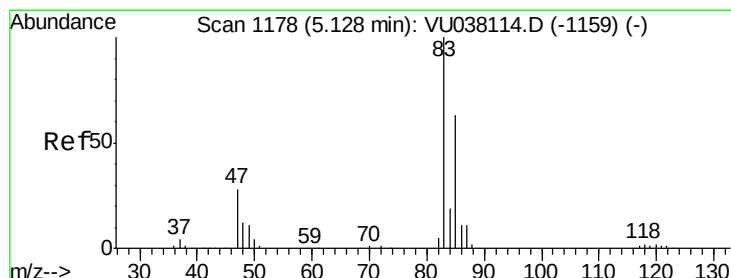
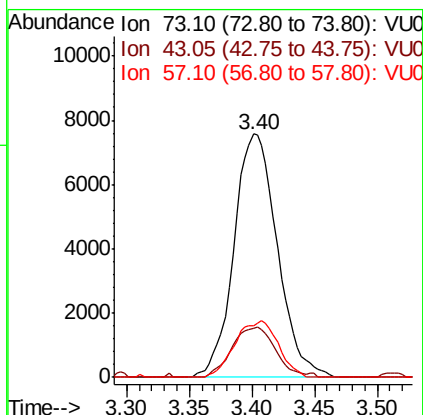
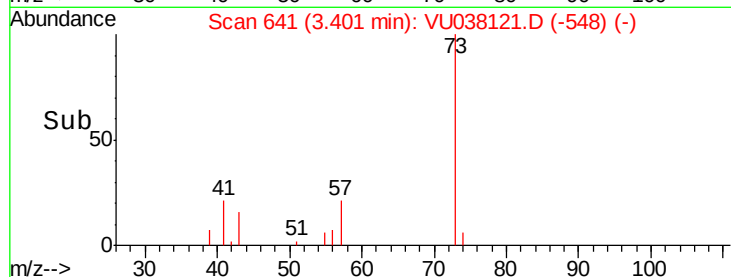
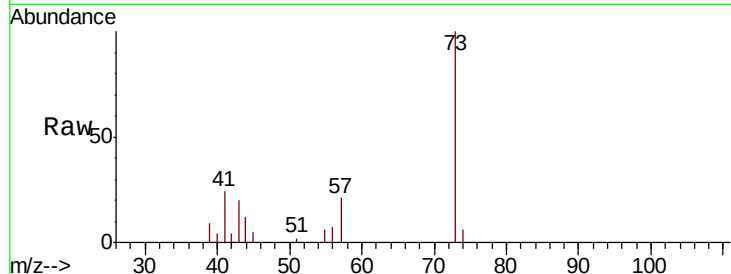




#17
Methyl tert-butyl Ether
Concen: 0.235 ug/L
RT: 3.40 min Scan# 641
Delta R.T. -0.00 min
Lab File: VU038121.D
Acq: 12 May 2020 13:59

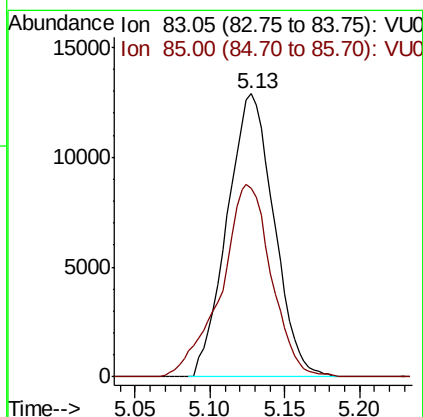
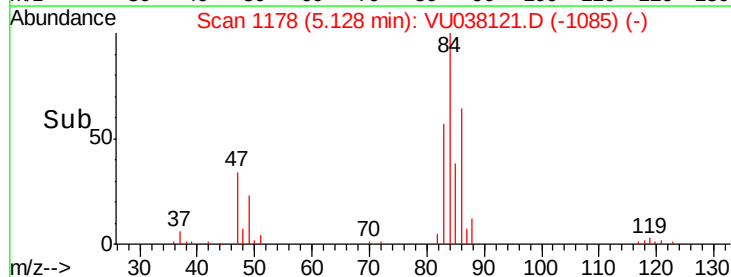
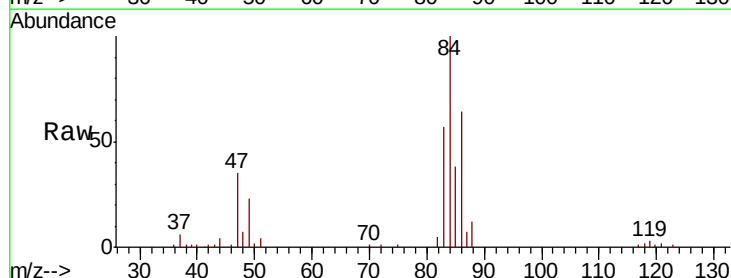
Instrument :
MSVOA_U
ClientSampled :

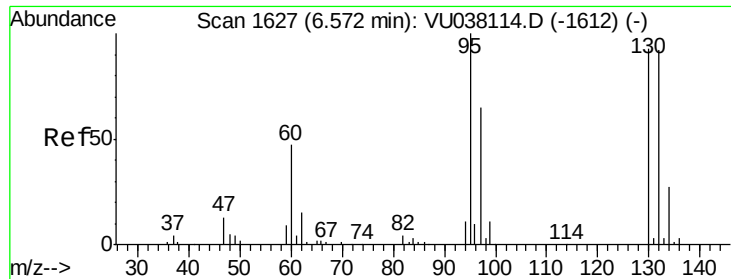
Tot Ion: 73 Resp: 18175
Ion Ratio Lower Upper
73 100
43 20.9 16.9 25.3
57 23.2 18.2 27.2



#25
Chloroform
Concen: 0.506 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU038121.D
Acq: 12 May 2020 13:59

Tgt Ion: 83 Resp: 28060
Ion Ratio Lower Upper
83 100
85 66.6 46.2 85.8

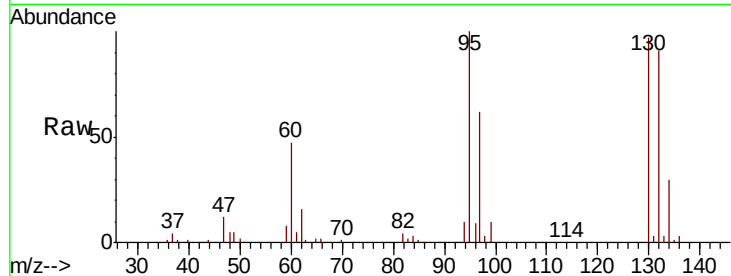




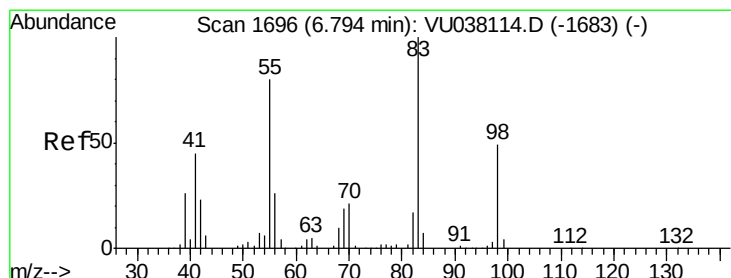
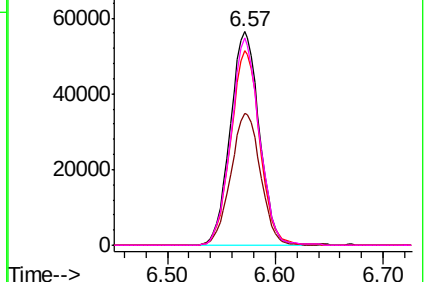
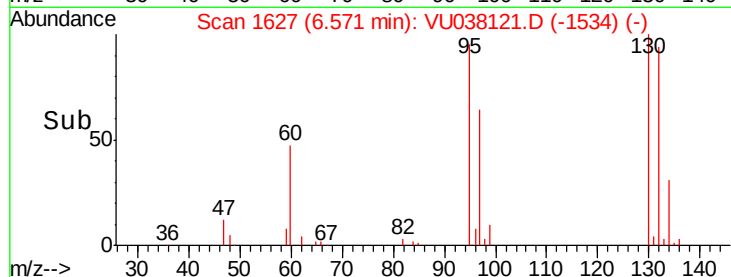
#34
 Trichloroethene
 Concen: 3.415 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU038121.D
 Acq: 12 May 2020 13:59

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 106503
 Ion Ratio Lower Upper
 95 100
 97 61.7 44.9 83.3
 132 91.0 63.3 117.5
 130 96.9 65.7 122.1

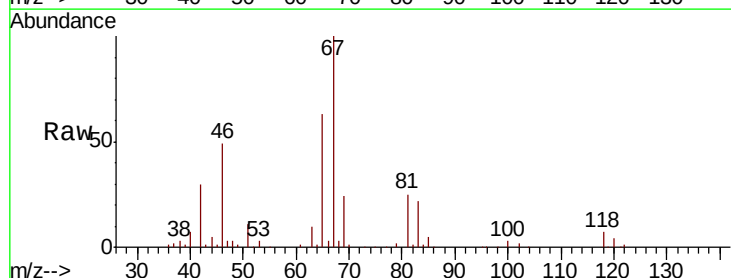


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

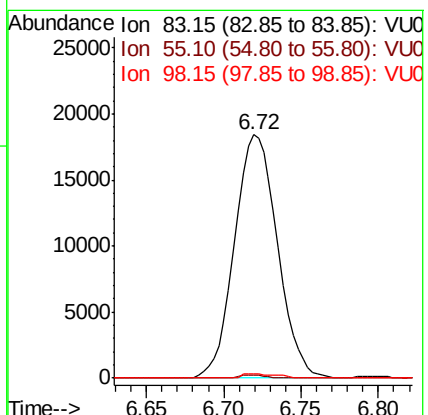
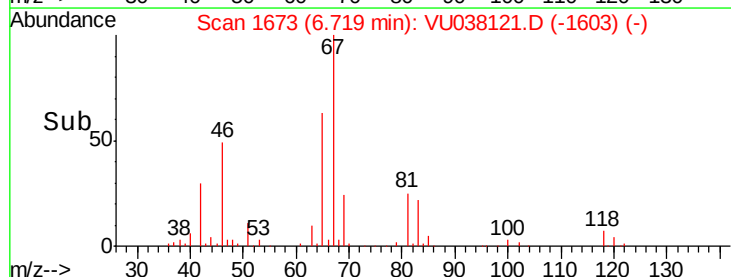


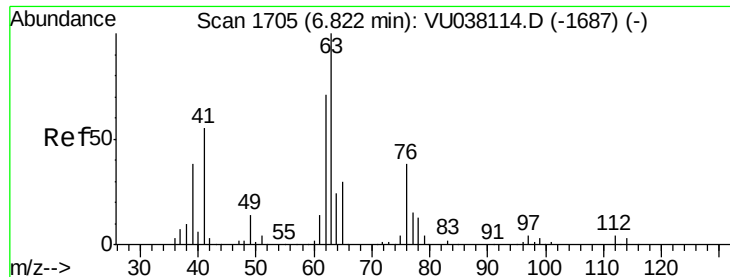
#35
 Methylcyclohexane
 Concen: 0.702 ug/L
 RT: 6.72 min Scan# 1673
 Delta R.T. -0.07 min
 Lab File: VU038121.D
 Acq: 12 May 2020 13:59

Tgt Ion: 83 Resp: 35462
 Ion Ratio Lower Upper
 83 100
 55 0.7 66.7 100.1#
 98 1.4 39.4 59.2#



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

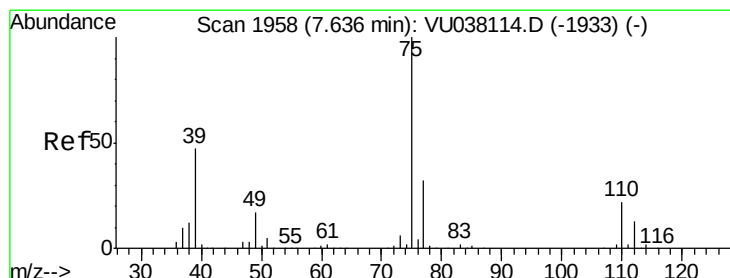
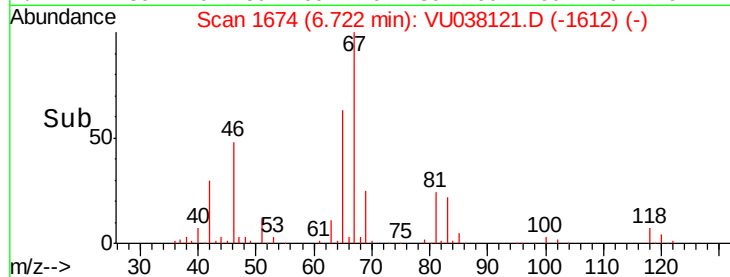
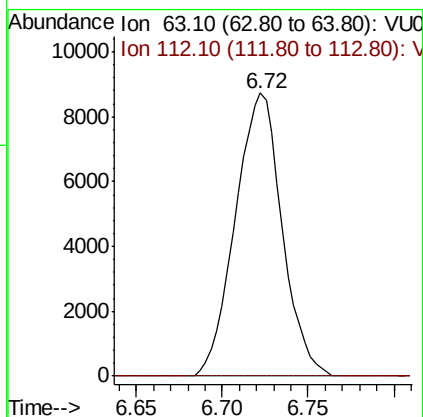
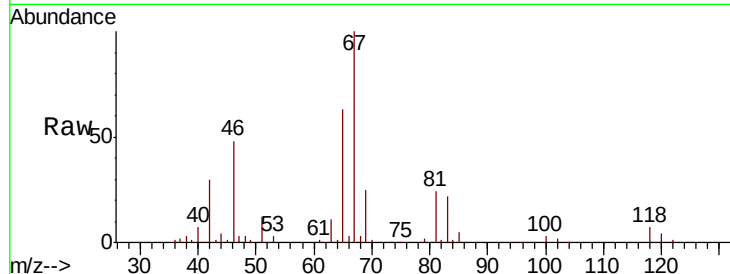




#37
 1,2-Dichloropropane
 Concen: 0.485 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU038121.D
 Acq: 12 May 2020 13:59

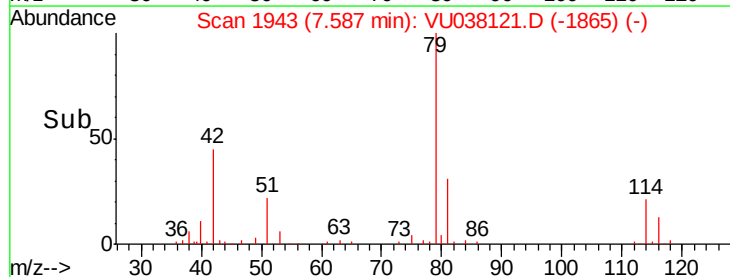
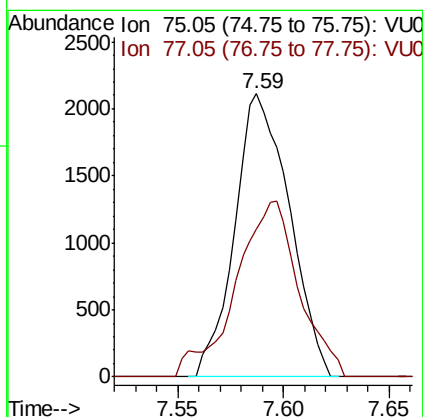
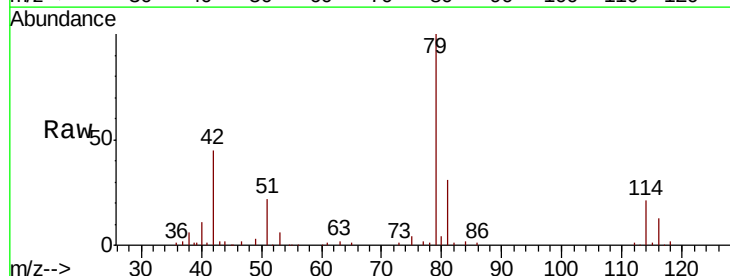
Instrument :
 MSVOA_U
 ClientSampleId :

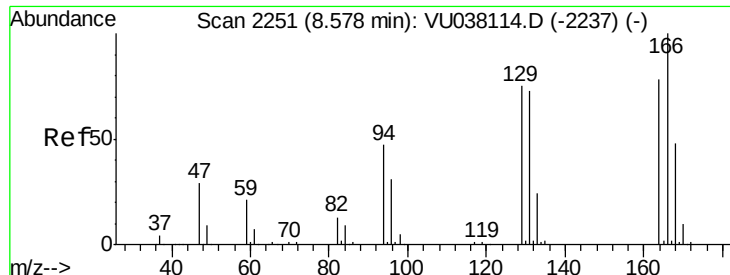
Tot Ion: 63 Resp: 16431
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.078 ug/L
 RT: 7.59 min Scan# 1943
 Delta R.T. -0.05 min
 Lab File: VU038121.D
 Acq: 12 May 2020 13:59

Tgt Ion: 75 Resp: 3797
 Ion Ratio Lower Upper
 75 100
 77 52.1 22.4 41.6#





#47

Tetrachloroethene

Concen: 1.419 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU038121.D

Acq: 12 May 2020 13:59

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 30946

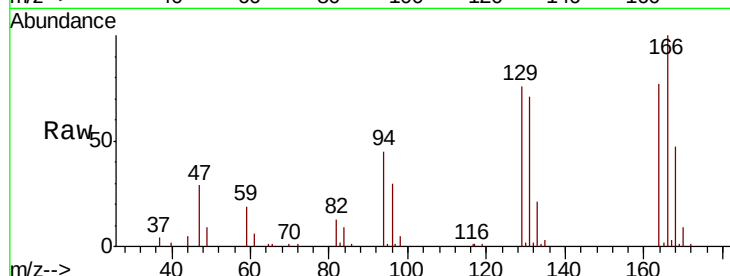
Ion Ratio Lower Upper

164 100

129 97.8 68.8 127.8

131 92.3 66.8 124.2

166 129.5 88.9 165.1

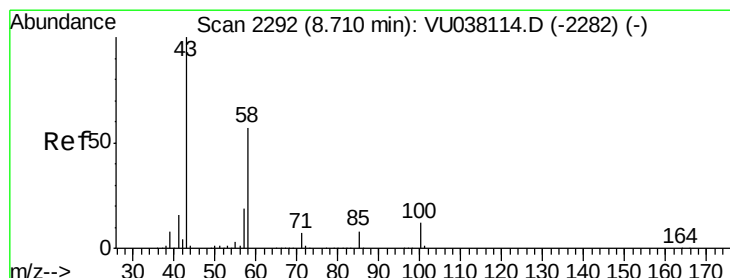
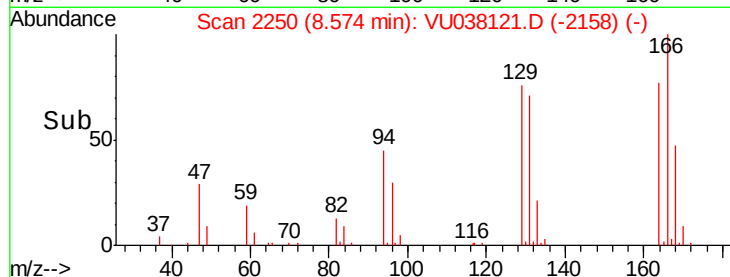
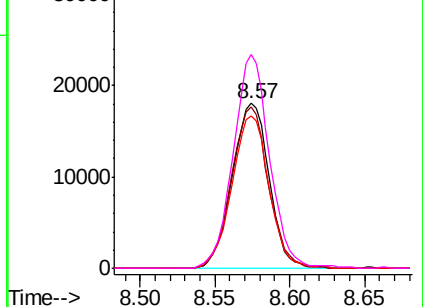


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.354 ug/L

RT: 8.71 min Scan# 2291

Delta R.T. -0.00 min

Lab File: VU038121.D

Acq: 12 May 2020 13:59

Tgt Ion: 43 Resp: 23278

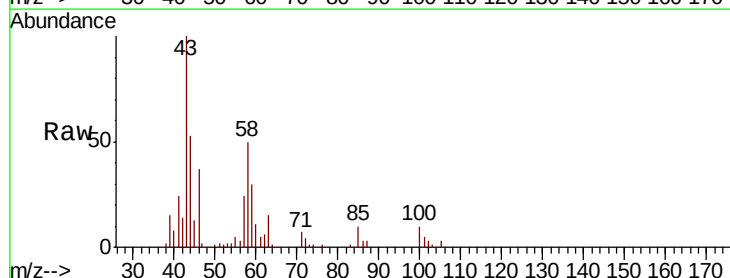
Ion Ratio Lower Upper

43 100

58 53.7 45.2 67.8

57 22.9 15.5 23.3

100 10.2 9.5 14.3

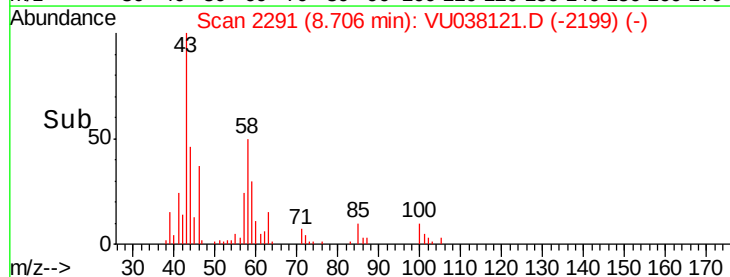
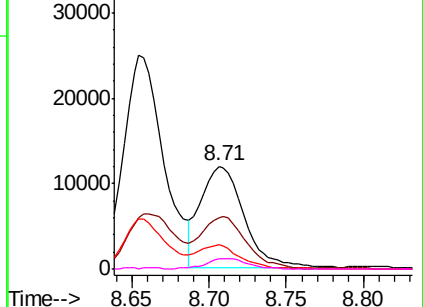


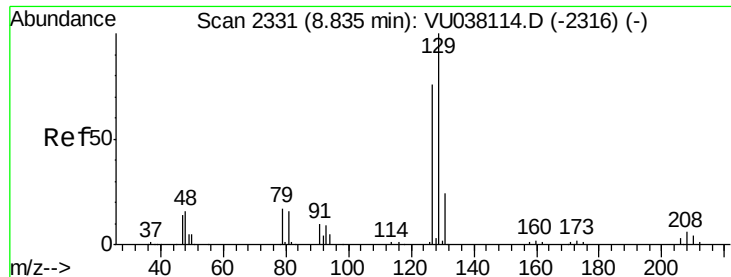
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 1.235 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.26 min

Lab File: VU038121.D

Acq: 12 May 2020 13:59

Instrument :

MSVOA_U

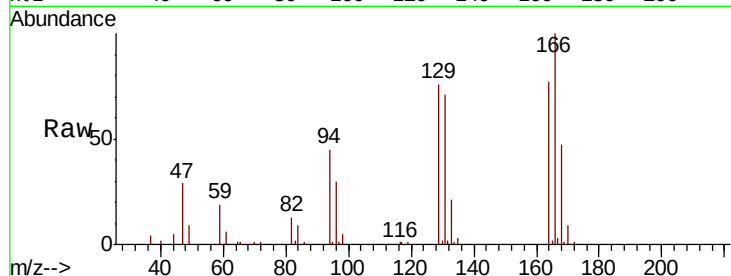
ClientSampleId :

Tot Ion:129 Resp: 30143

Ion Ratio Lower Upper

129 100

127 0.0 55.6 103.4#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.57

20000

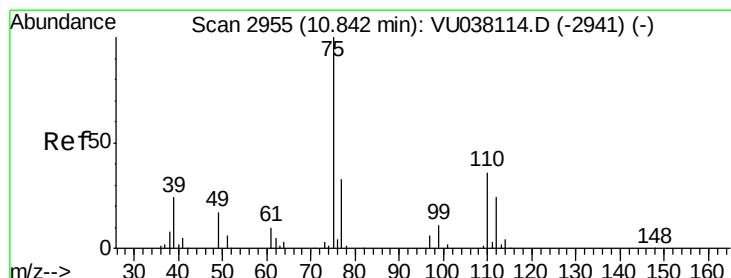
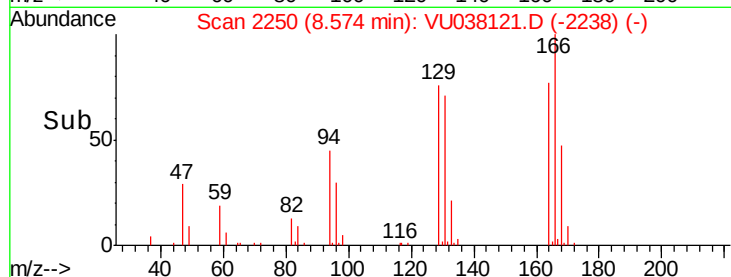
15000

10000

5000

0

Time--> 8.50 8.55 8.60 8.65



#59

1,2,3-Trichloropropane

Concen: 1.071 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU038121.D

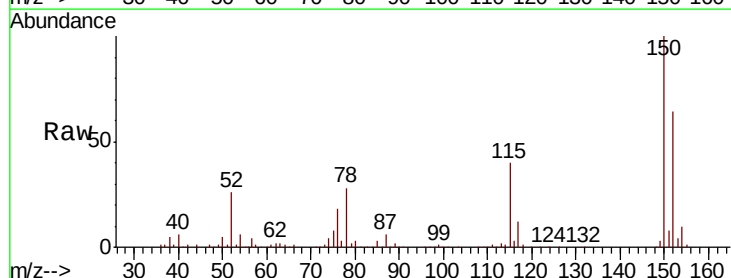
Acq: 12 May 2020 13:59

Tgt Ion: 75 Resp: 24341

Ion Ratio Lower Upper

75 100

77 36.7 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.82

15000

10000

5000

0

Time--> 11.75 11.80 11.85

