

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052820\
 Data File : VU038357.D
 Acq On : 28 May 2020 19:34
 Operator : JC/MD
 Sample : L2793-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AA3

Quant Time: May 29 04:34:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 29 04:31:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	597029	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	579972	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	277598	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	206581	55.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	110.24%
7) Chloroethane-d5	1.93	69	160376	55.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	110.78%
11) 1,1-Dichloroethene-d2	2.59	63	310736	40.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.12%
21) 2-Butanone-d5	4.67	46	377306	105.96	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.96%
24) Chloroform-d	5.10	84	381833	51.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.76%
26) 1,2-Dichloroethane-d4	5.74	65	262068	51.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.92%
32) Benzene-d6	5.76	84	799808	53.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.14%
36) 1,2-Dichloropropane-d6	6.72	67	245023	52.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.90%
41) Toluene-d8	7.92	98	704221	52.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.72%
43) trans-1,3-Dichloropropene-	8.20	79	117221	50.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.80%
47) 2-Hexanone-d5	8.65	63	286852	116.63	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.63%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	350720	50.73	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.46%
64) 1,2-Dichlorobenzene-d4	12.20	152	271349	52.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.48%

Target Compounds

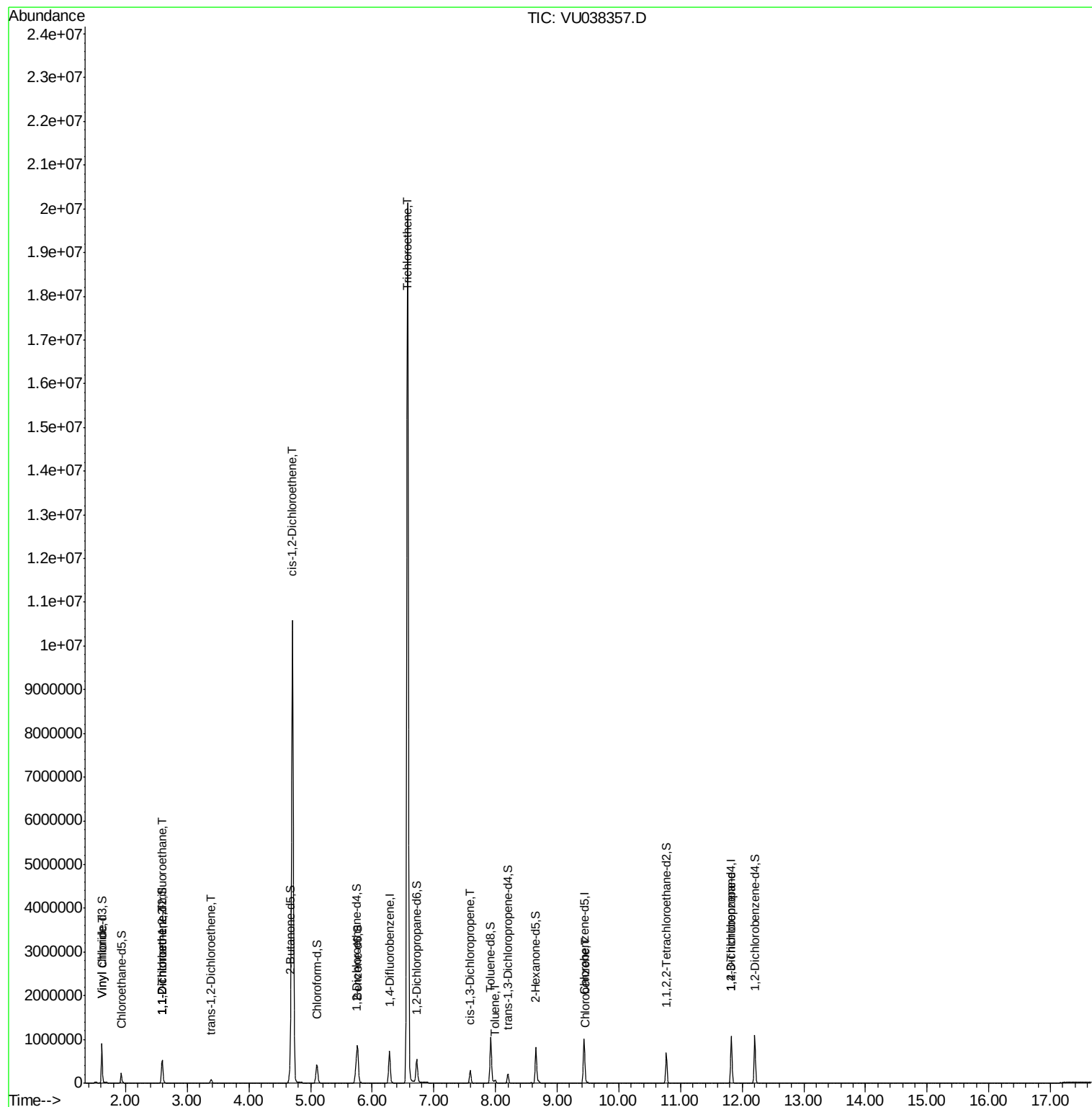
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	436133	95.318	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	3083	0.841	ug/L #	22
12) 1,1-Dichloroethene	2.60	96	17084	4.720	ug/L #	1
17) trans-1,2-Dichloroethene	3.39	96	34012	8.748	ug/L	96
20) cis-1,2-Dichloroethene	4.71	96	5386757	1264.692	ug/L	98
34) Trichloroethene	6.57	95	6857368	1645.393	ug/L	99
39) cis-1,3-Dichloropropene	7.59	75	7466	1.111	ug/L #	76
42) Toluene	7.99	91	38777	2.268	ug/L	99
51) Chlorobenzene	9.47	112	11073	1.007	ug/L	96
59) 1,2,3-Trichloropropane	11.83	75	35025	5.929	ug/L	92

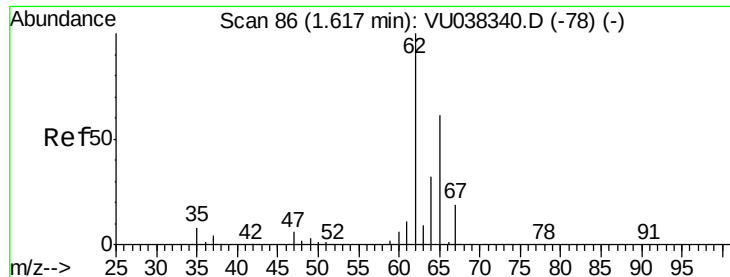
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 29 04:31:03 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 95.318 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038357.D

Acq: 28 May 2020 19:34

Instrument :

MSVOA_U

ClientSampleId :

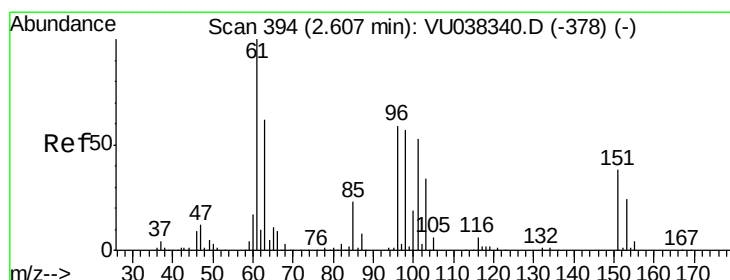
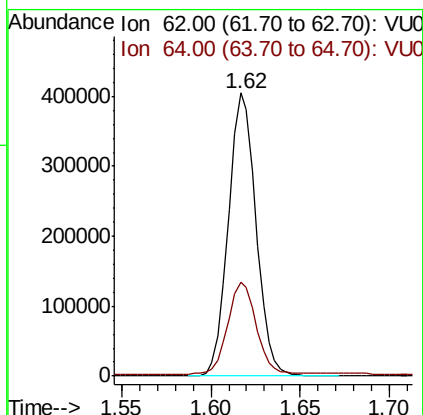
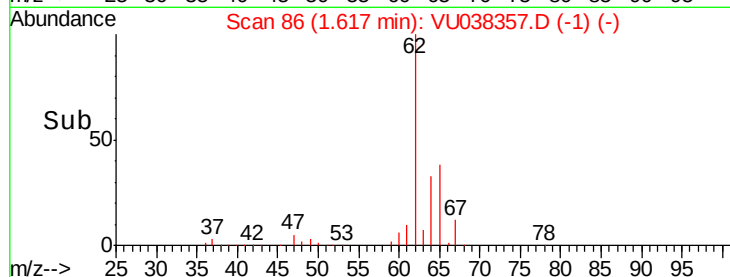
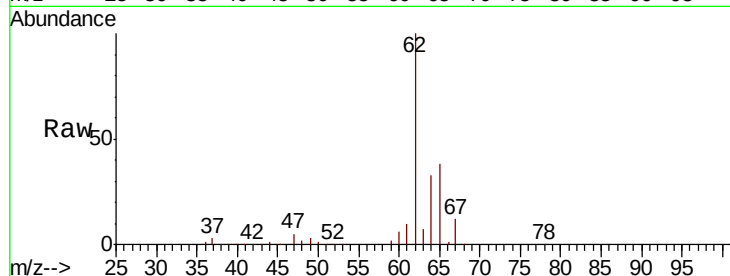
C0AA3

Tot Ion: 62 Resp: 436133

Ion Ratio Lower Upper

62 100

64 33.4 23.2 43.0



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.841 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU038357.D

Acq: 28 May 2020 19:34

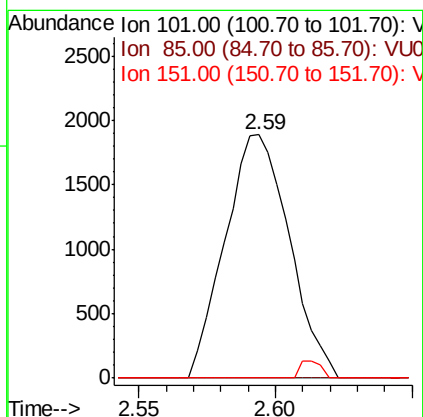
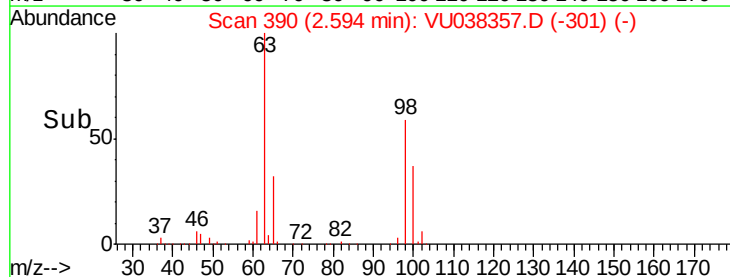
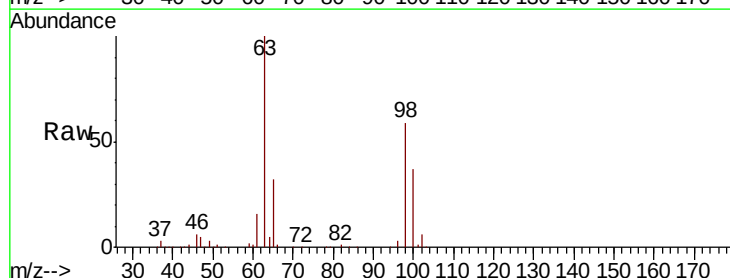
Tgt Ion: 101 Resp: 3083

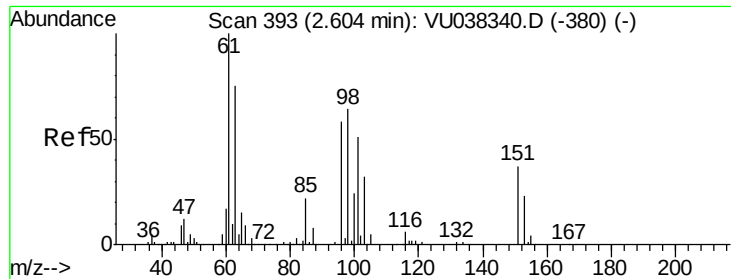
Ion Ratio Lower Upper

101 100

85 0.0 35.5 53.3#

151 2.3 58.4 87.6#

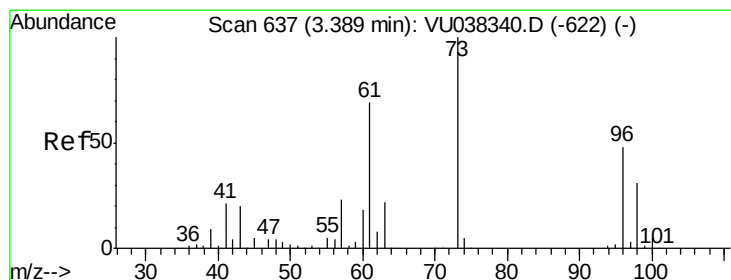
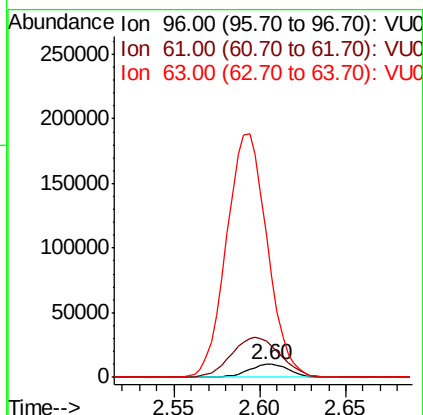
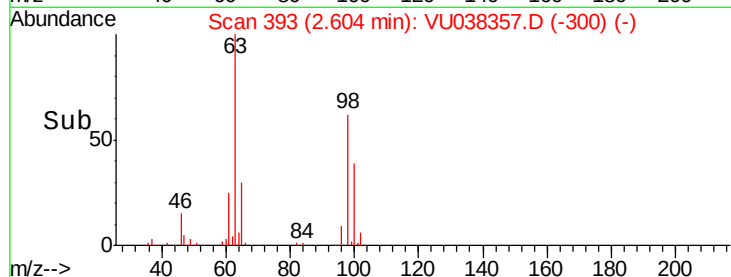
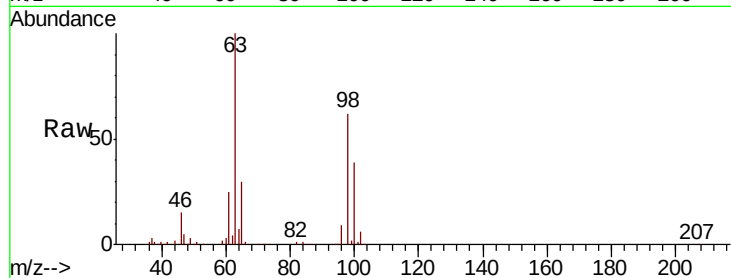




#12
 1,1-Dichloroethene
 Concen: 4.720 ug/L
 RT: 2.60 min Scan# 393
 Delta R.T. -0.00 min
 Lab File: VU038357.D
 Acq: 28 May 2020 19:34

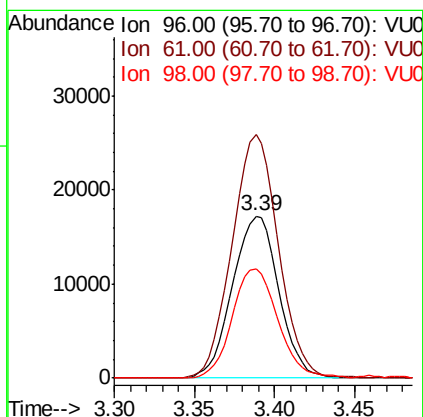
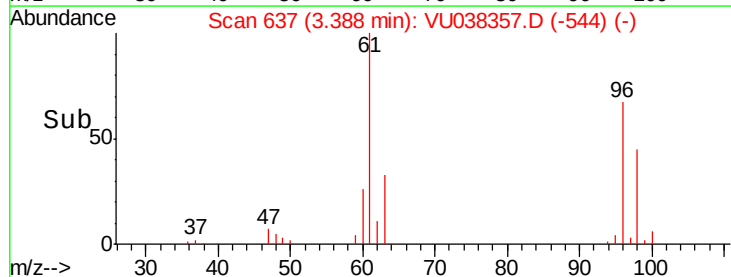
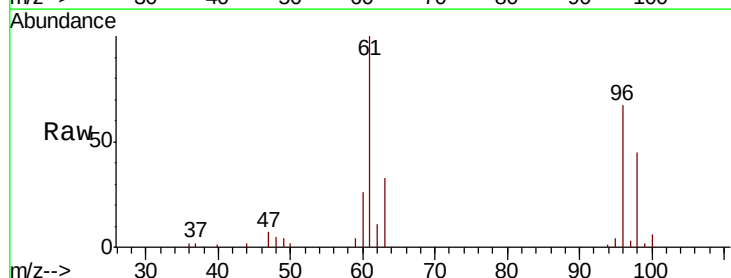
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AA3

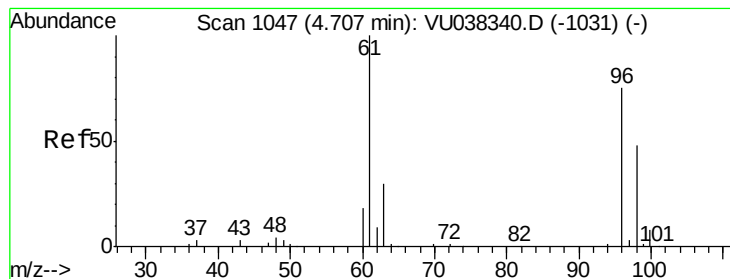
Tot Ion: 96 Resp: 17084
 Ion Ratio Lower Upper
 96 100
 61 283.6 123.5 229.3#
 63 1119.1 76.6 142.2#



#17
 trans-1,2-Dichloroethene
 Concen: 8.748 ug/L
 RT: 3.39 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: VU038357.D
 Acq: 28 May 2020 19:34

Tgt Ion: 96 Resp: 34012
 Ion Ratio Lower Upper
 96 100
 61 150.2 100.4 186.4
 98 67.5 46.1 85.5





#20

cis-1,2-Dichloroethene

Concen: 1264.692 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038357.D

Acq: 28 May 2020 19:34

Instrument :

MSVOA_U

ClientSampleId :

C0AA3

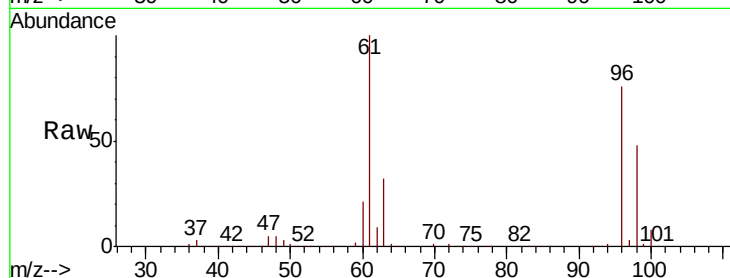
Tot Ion: 96 Resp: 5386757

Ion Ratio Lower Upper

96 100

61 131.2 93.4 173.4

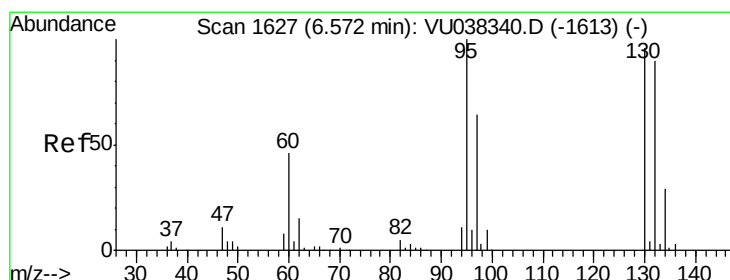
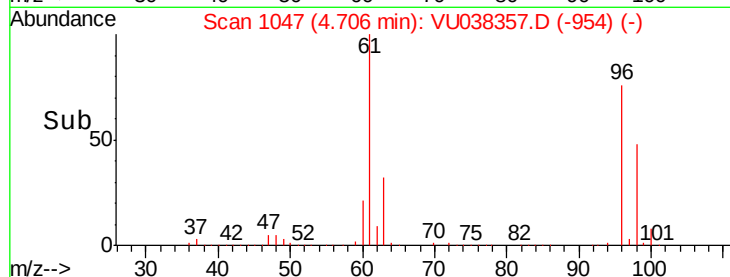
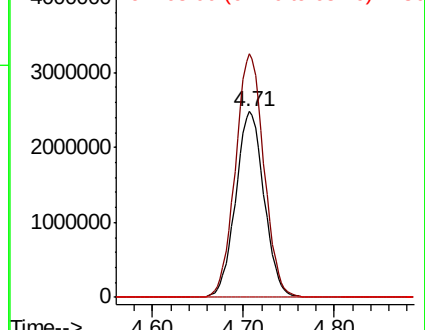
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038340.D (-1031) (-)

Ion 61.00 (60.70 to 61.70): VU038340.D (-1031) (-)

Ion 68.00 (67.70 to 68.70): VU038340.D (-1031) (-)



#34

Trichloroethene

Concen: 1645.393 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU038357.D

Acq: 28 May 2020 19:34

Tgt Ion: 95 Resp: 6857368

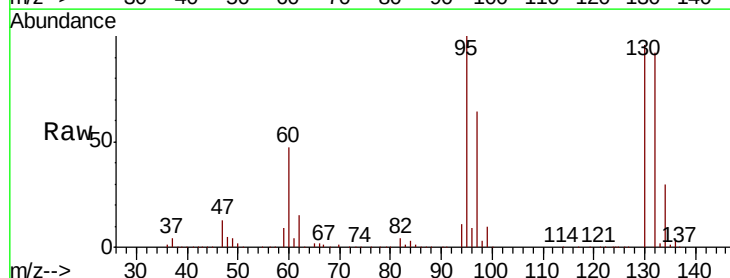
Ion Ratio Lower Upper

95 100

97 64.3 44.3 82.3

132 92.1 64.7 120.1

130 95.9 68.5 127.1

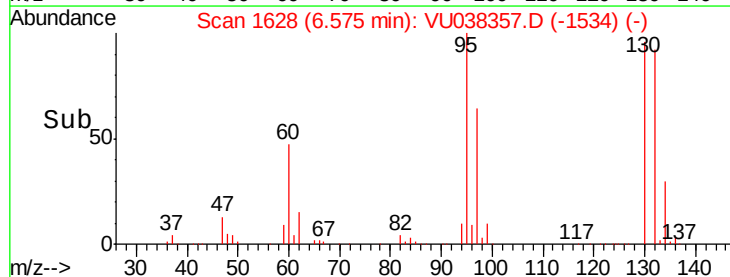
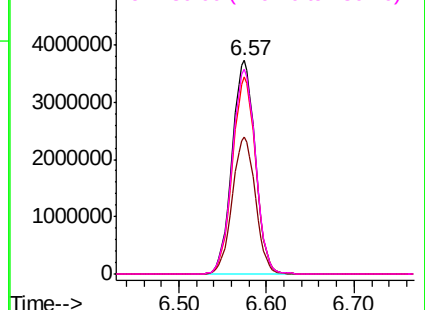


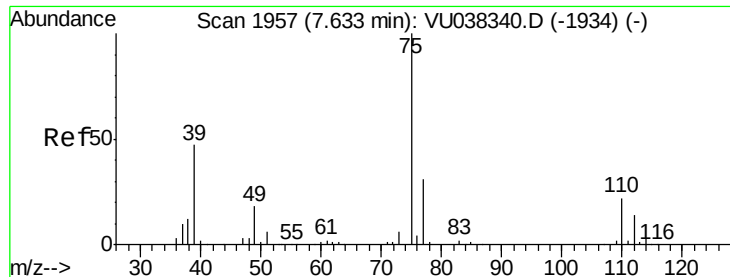
Abundance Ion 95.00 (94.70 to 95.70): VU038340.D (-1613) (-)

Ion 97.00 (96.70 to 97.70): VU038340.D (-1613) (-)

Ion 132.00 (131.70 to 132.70): VU038340.D (-1613) (-)

Ion 130.00 (129.70 to 130.70): VU038340.D (-1613) (-)





#39

cis-1,3-Dichloropropene

Concen: 1.111 ug/L

RT: 7.59 min Scan# 1944

Delta R.T. -0.04 min

Lab File: VU038357.D

Acq: 28 May 2020 19:34

Instrument :

MSVOA_U

ClientSampleId :

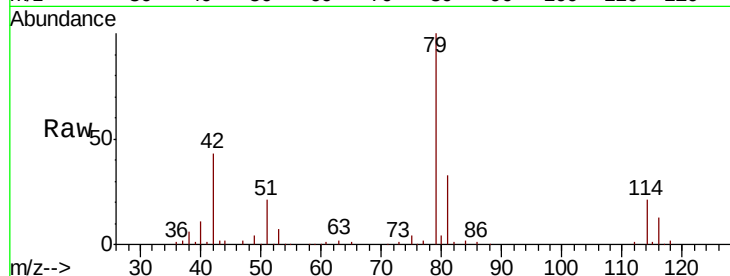
C0AA3

Tot Ion: 75 Resp: 7466

Ion Ratio Lower Upper

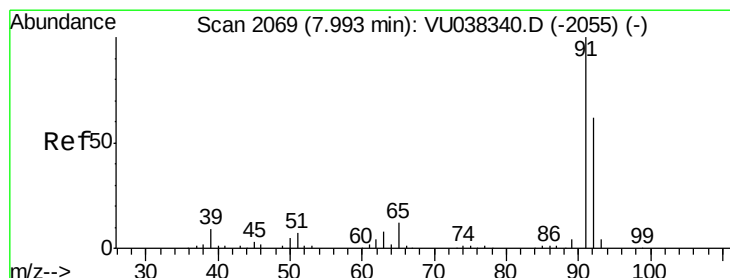
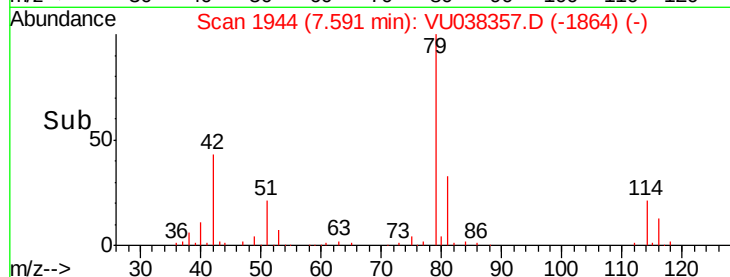
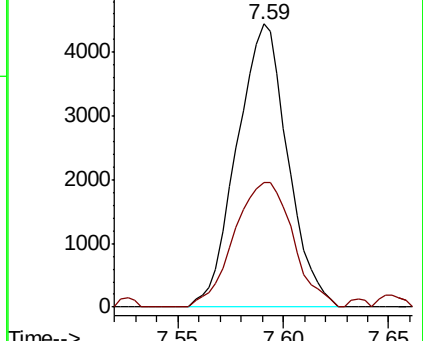
75 100

77 44.2 21.6 40.0#



Abundance Ion 75.00 (74.70 to 75.70): VU038340.D (-1934) (-)

Ion 77.00 (76.70 to 77.70): VU038340.D (-1934) (-)



#42

Toluene

Concen: 2.268 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038357.D

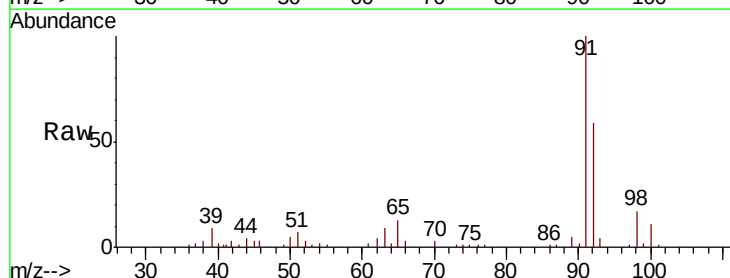
Acq: 28 May 2020 19:34

Tgt Ion: 91 Resp: 38777

Ion Ratio Lower Upper

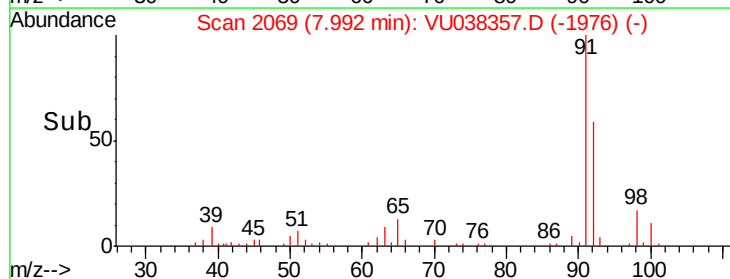
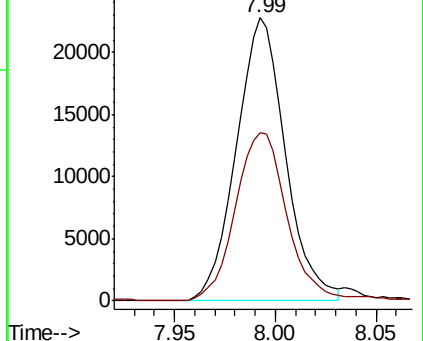
91 100

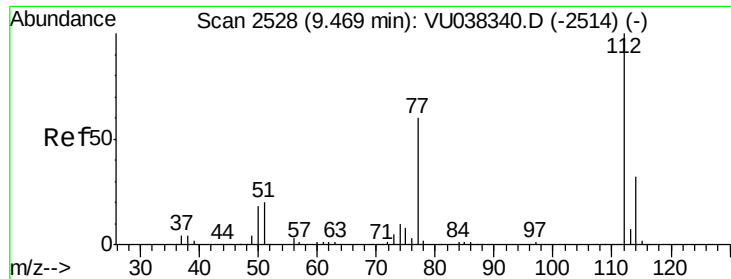
92 59.3 42.0 78.0



Abundance Ion 91.00 (90.70 to 91.70): VU038340.D (-2055) (-)

Ion 92.00 (91.70 to 92.70): VU038340.D (-2055) (-)





#51

Chlorobenzene

Concen: 1.007 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU038357.D

Acq: 28 May 2020 19:34

Instrument :

MSVOA_U

ClientSampleId :

C0AA3

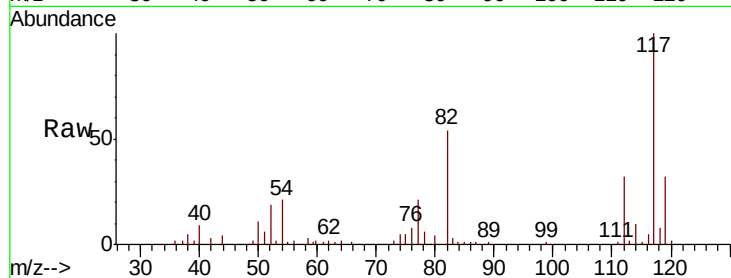
Tot Ion:112 Resp: 11073

Ion Ratio Lower Upper

112 100

114 32.2 22.6 42.0

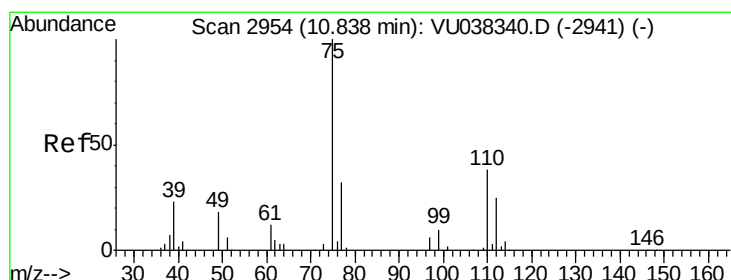
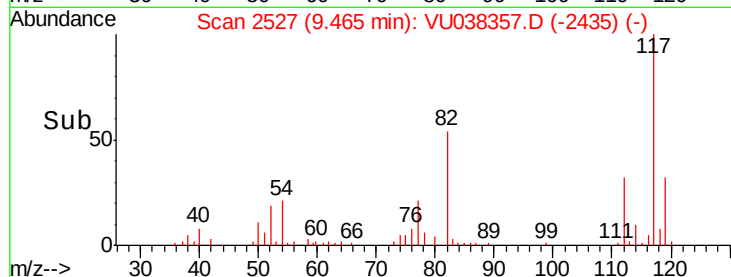
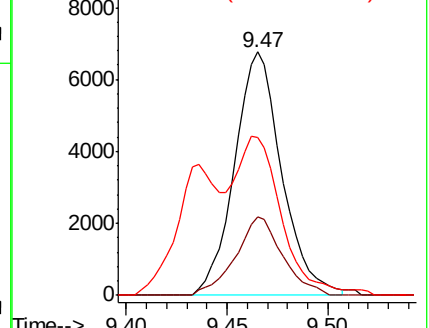
77 65.0 48.8 73.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU



#59

1,2,3-Trichloropropane

Concen: 5.929 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.99 min

Lab File: VU038357.D

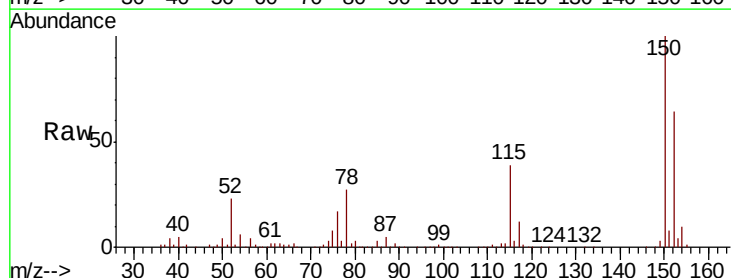
Acq: 28 May 2020 19:34

Tgt Ion: 75 Resp: 35025

Ion Ratio Lower Upper

75 100

77 36.7 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

