

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052820\
 Data File : VU038354.D
 Acq On : 28 May 2020 18:28
 Operator : JC/MD
 Sample : L2751-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 29 04:34:19 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	581660	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	565934	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	264090	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	205291	56.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	112.44%
7) Chloroethane-d5	1.93	69	161585	57.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	114.56%
11) 1,1-Dichloroethene-d2	2.59	63	306687	41.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.18%
21) 2-Butanone-d5	4.66	46	404585	116.62	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.62%
24) Chloroform-d	5.10	84	384190	53.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.16%
26) 1,2-Dichloroethane-d4	5.74	65	264753	53.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.76%
32) Benzene-d6	5.76	84	815551	55.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.92%
36) 1,2-Dichloropropane-d6	6.72	67	251618	55.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.40%
41) Toluene-d8	7.92	98	707264	54.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.82%
43) trans-1,3-Dichloropropene-	8.20	79	118265	52.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.22%
47) 2-Hexanone-d5	8.65	63	295308	123.05	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	123.05%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	352806	52.30	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.60%
64) 1,2-Dichlorobenzene-d4	12.20	152	272425	55.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.30%

Target Compounds

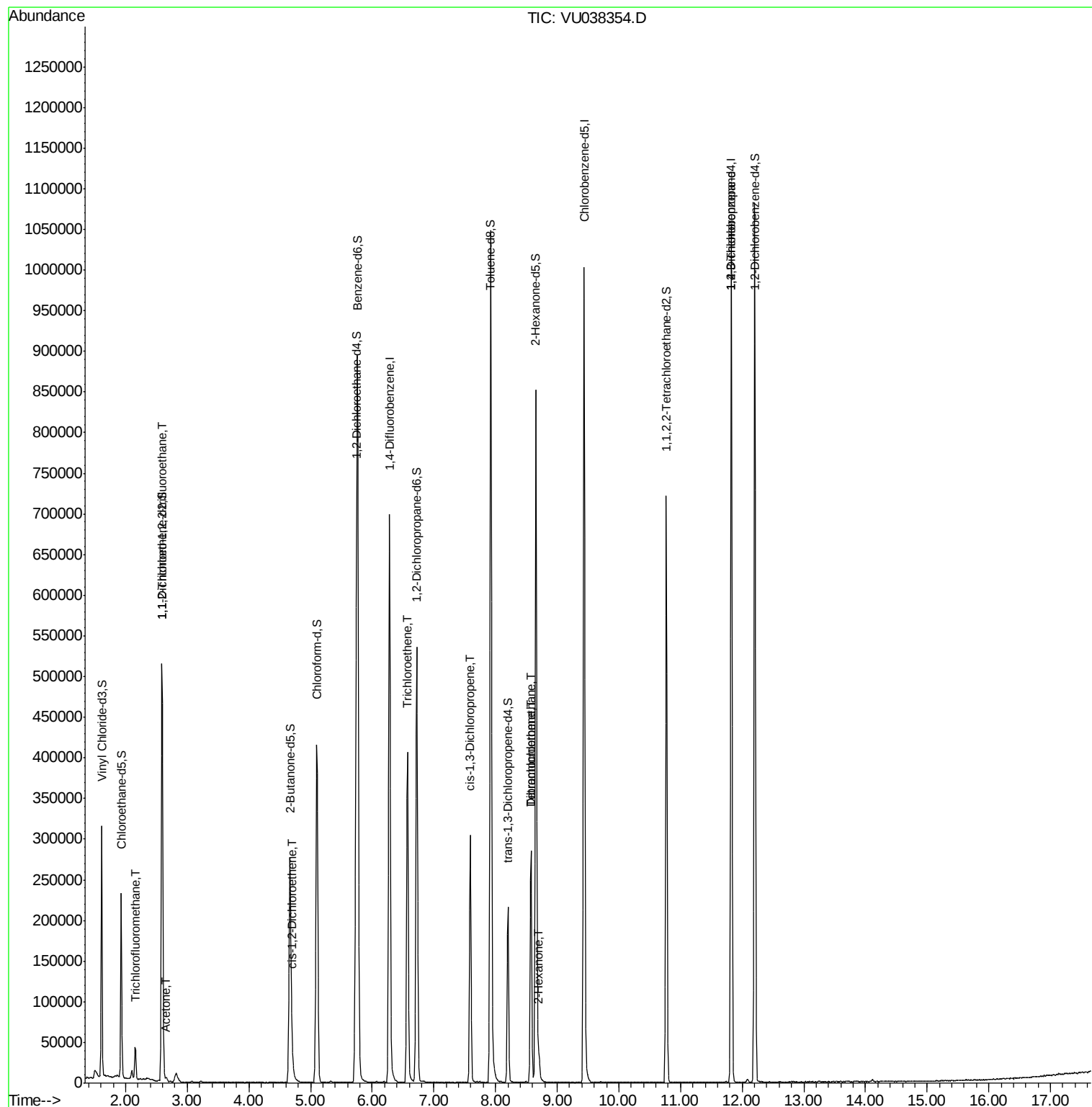
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	2.16	101	24581	4.115	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	2958	0.828	ug/L #	20
13) Acetone	2.66	43	5681	1.971	ug/L	97
20) cis-1,2-Dichloroethene	4.70	96	4058	0.978	ug/L	88
34) Trichloroethene	6.57	95	135469	33.311	ug/L	98
39) cis-1,3-Dichloropropene	7.59	75	7066	1.077	ug/L #	68
46) Tetrachloroethene	8.57	164	64159	21.580	ug/L	96
48) 2-Hexanone	8.71	43	15935	2.879	ug/L #	88
49) Dibromochloromethane	8.57	129	60098	15.173	ug/L #	10
59) 1,2,3-Trichloropropane	11.83	75	33773	5.859	ug/L	90

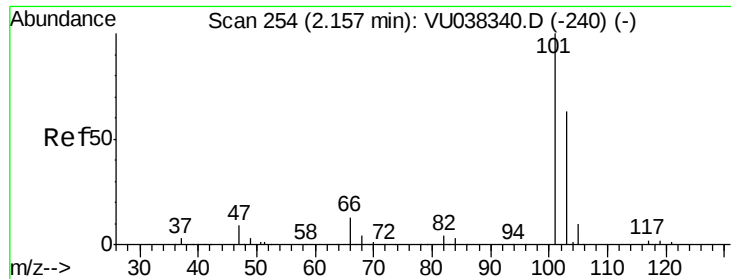
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri May 29 04:31:03 2020
Response via : Initial Calibration





#9

Trichlorofluoromethane

Concen: 4.115 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU038354.D

Acq: 28 May 2020 18:28

Instrument :

MSVOA_U

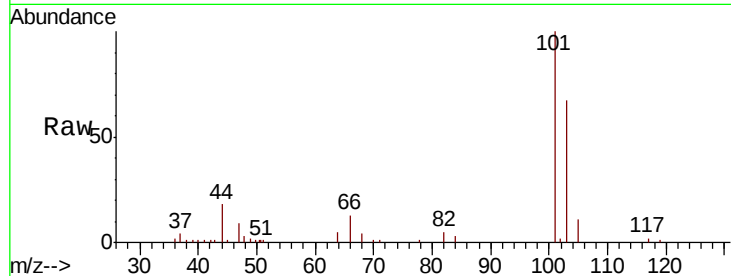
ClientSampleId :

Tot Ion:101 Resp: 24581

Ion Ratio Lower Upper

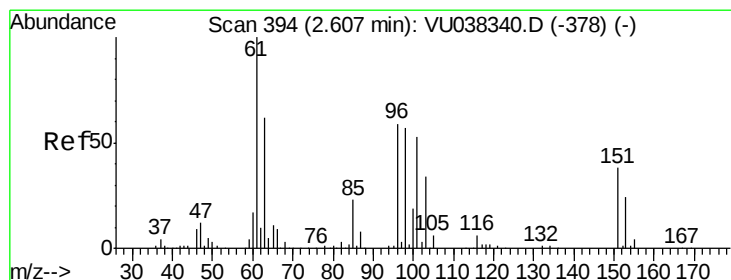
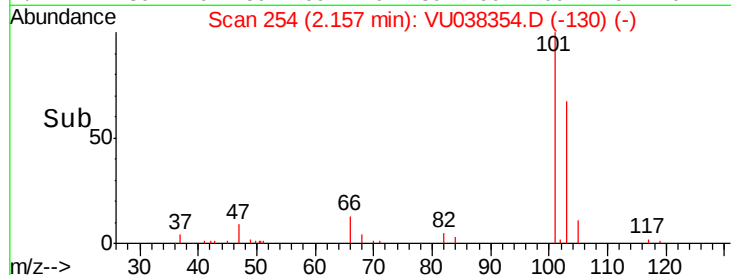
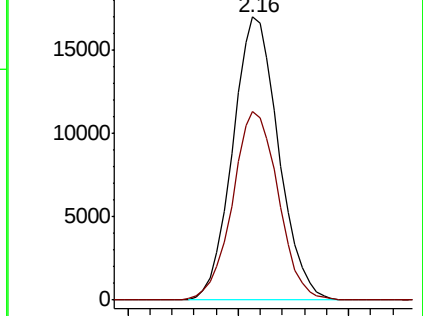
101 100

103 66.5 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#10

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

Concen: 0.828 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU038354.D

Acq: 28 May 2020 18:28

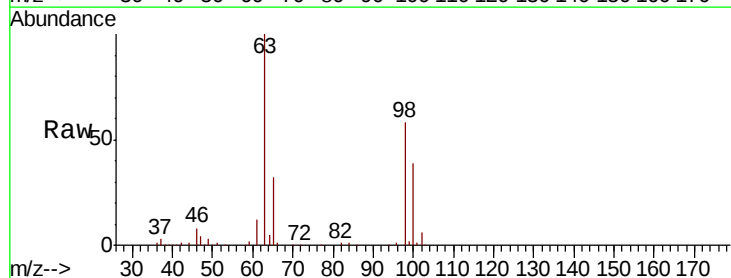
Tgt Ion:101 Resp: 2958

Ion Ratio Lower Upper

101 100

85 0.0 35.5 53.3#

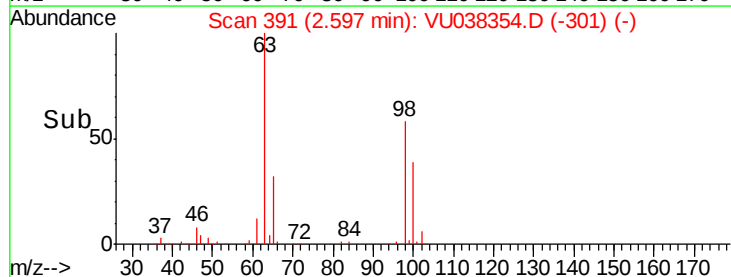
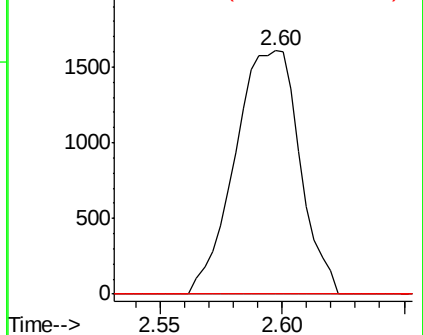
151 0.0 58.4 87.6#

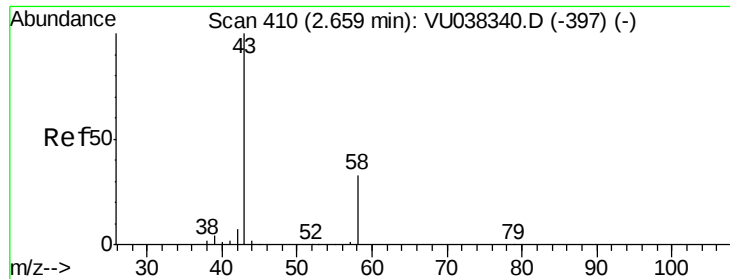


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#13

Acetone

Concen: 1.971 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU038354.D

Acq: 28 May 2020 18:28

Instrument :

MSVOA_U

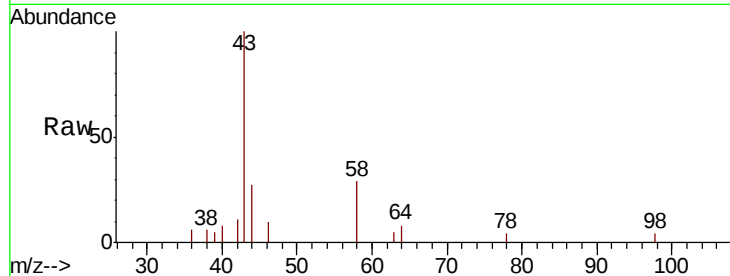
ClientSampleId :

Tot Ion: 43 Resp: 5681

Ion Ratio Lower Upper

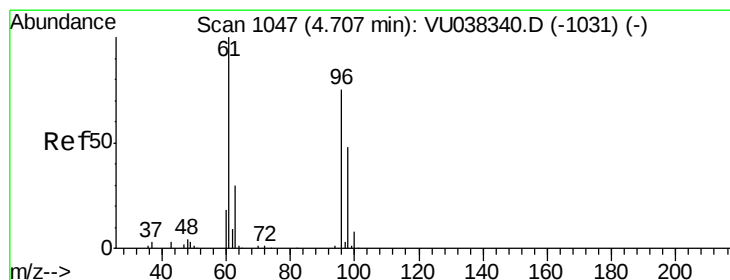
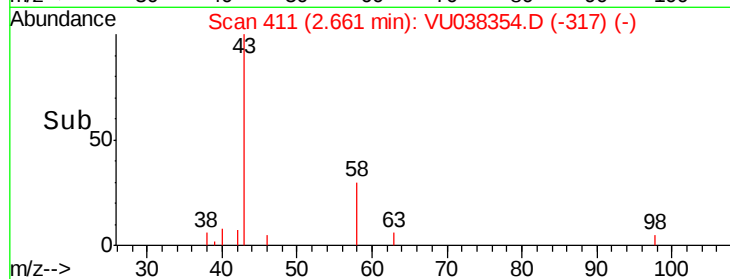
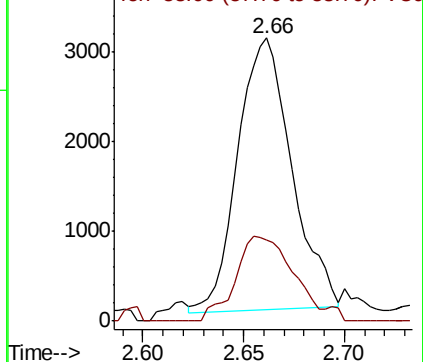
43 100

58 33.1 0.0 63.4



Abundance Ion 43.00 (42.70 to 43.70): VU038354.D (-317) (-)

Ion 58.00 (57.70 to 58.70): VU038354.D (-317) (-)



#20

cis-1,2-Dichloroethene

Concen: 0.978 ug/L

RT: 4.70 min Scan# 1046

Delta R.T. -0.00 min

Lab File: VU038354.D

Acq: 28 May 2020 18:28

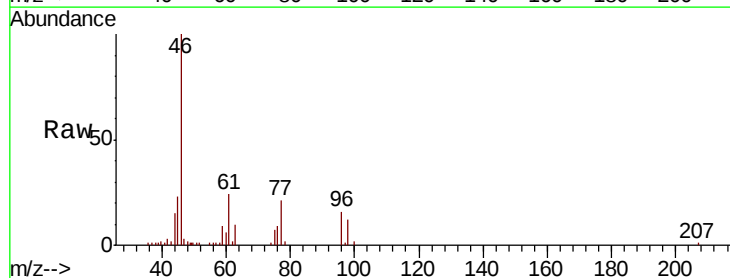
Tgt Ion: 96 Resp: 4058

Ion Ratio Lower Upper

96 100

61 148.1 93.4 173.4

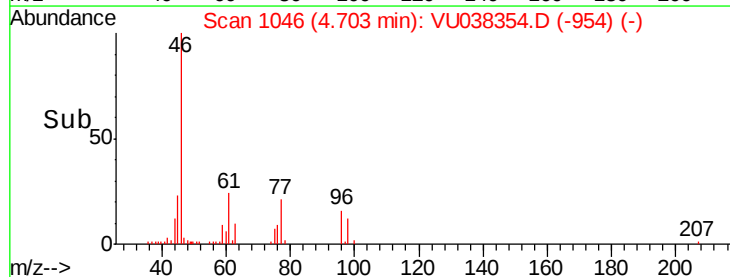
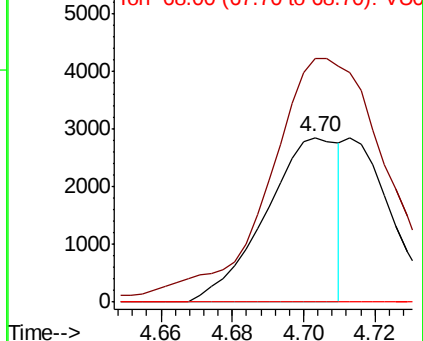
68 0.0 0.0 0.0

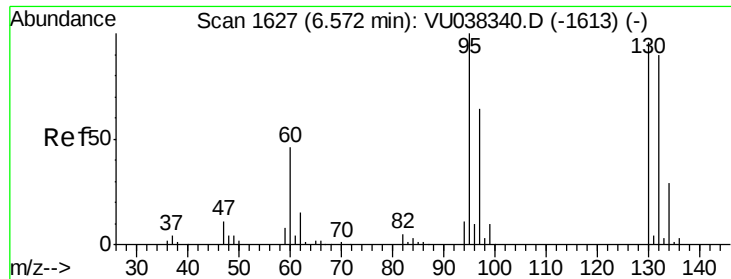


Abundance Ion 96.00 (95.70 to 96.70): VU038354.D (-954) (-)

Ion 61.00 (60.70 to 61.70): VU038354.D (-954) (-)

Ion 68.00 (67.70 to 68.70): VU038354.D (-954) (-)

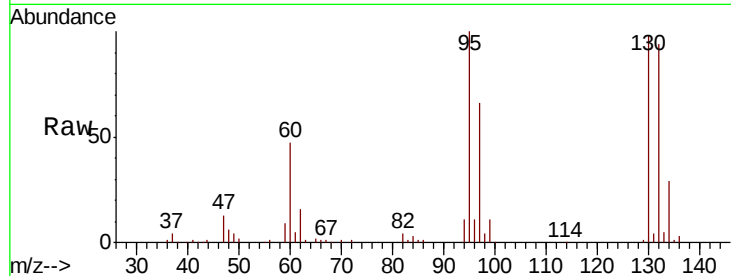




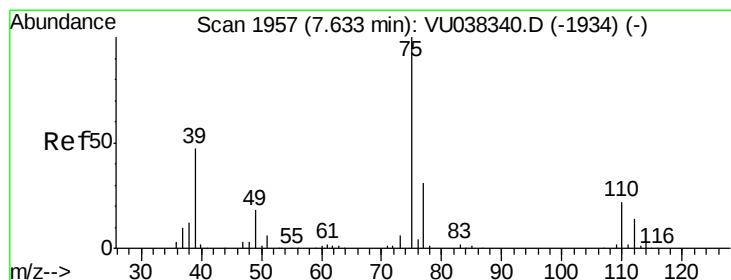
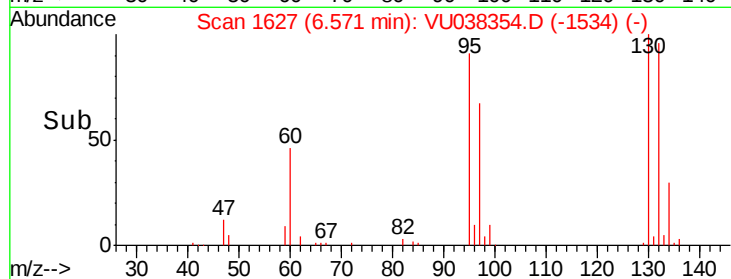
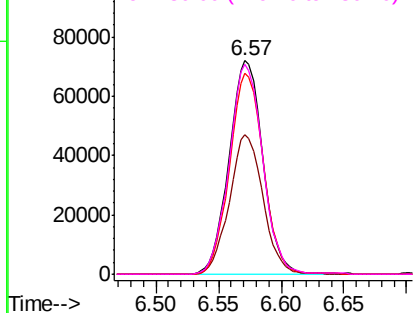
#34
 Trichloroethene
 Concen: 33.311 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU038354.D
 Acq: 28 May 2020 18:28

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 135469
 Ion Ratio Lower Upper
 95 100
 97 65.6 44.3 82.3
 132 94.0 64.7 120.1
 130 98.4 68.5 127.1

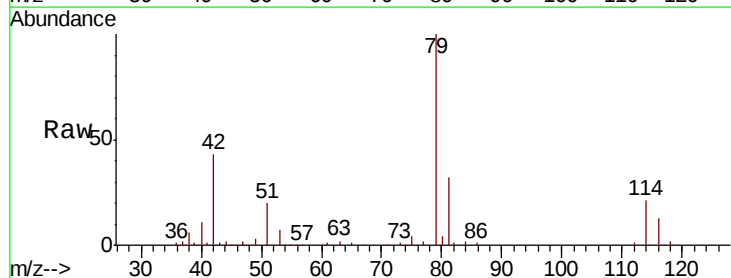


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

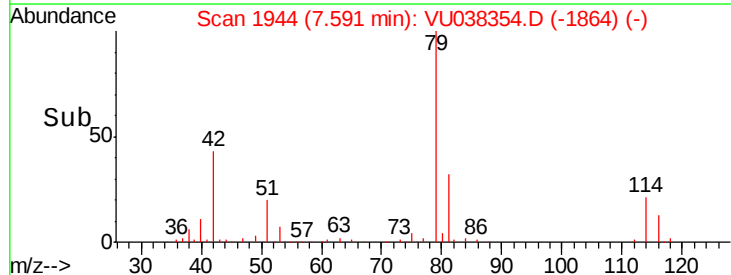
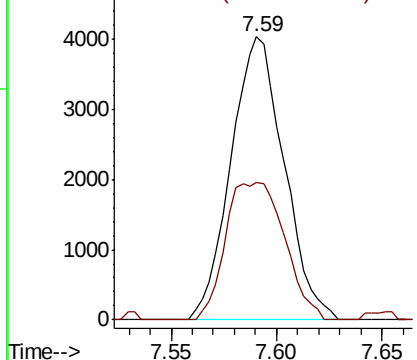


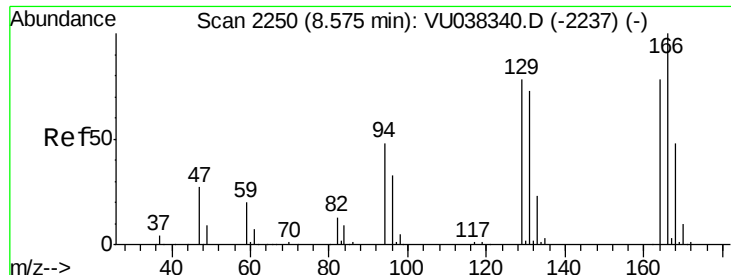
#39
 cis-1,3-Dichloropropene
 Concen: 1.077 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU038354.D
 Acq: 28 May 2020 18:28

Tgt Ion: 75 Resp: 7066
 Ion Ratio Lower Upper
 75 100
 77 48.4 21.6 40.0#



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0





#46

Tetrachloroethene

Concen: 21.580 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU038354.D

Acq: 28 May 2020 18:28

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 64159

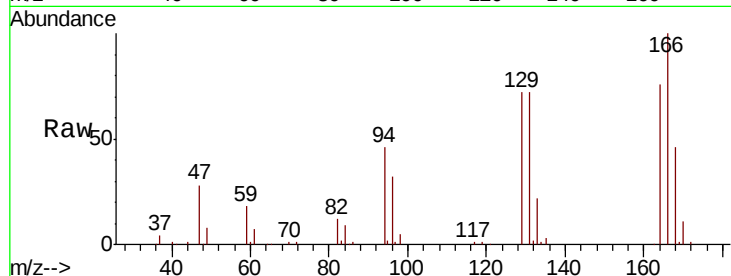
Ion Ratio Lower Upper

164 100

129 95.4 67.2 124.8

131 94.8 63.4 117.8

166 132.4 88.5 164.4



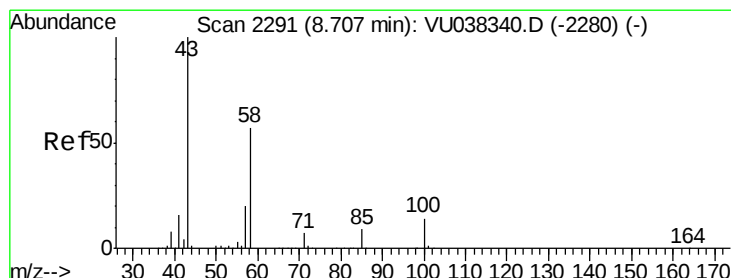
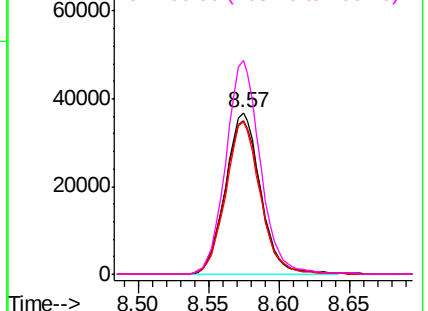
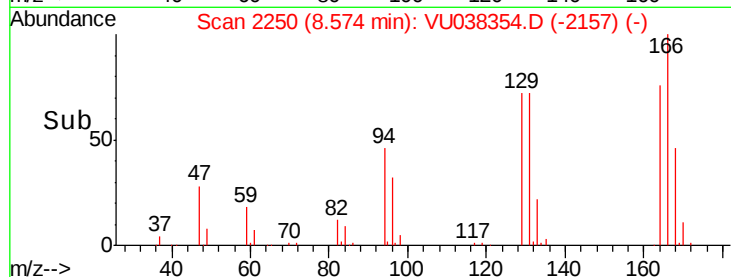
Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 2.879 ug/L

RT: 8.71 min Scan# 2291

Delta R.T. -0.00 min

Lab File: VU038354.D

Acq: 28 May 2020 18:28

Tgt Ion: 43 Resp: 15935

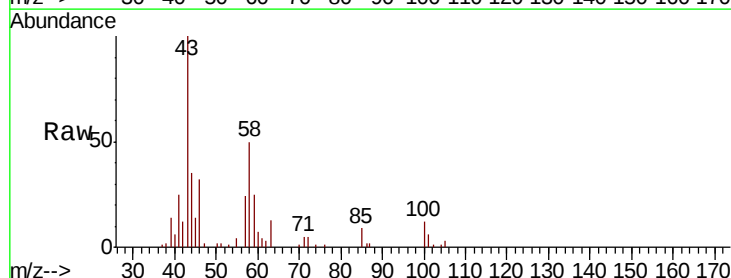
Ion Ratio Lower Upper

43 100

58 44.8 45.5 68.3#

57 23.1 16.3 24.5

100 11.6 10.5 15.7



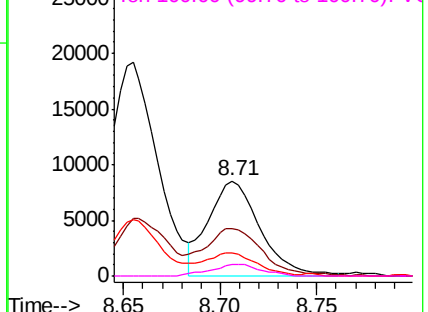
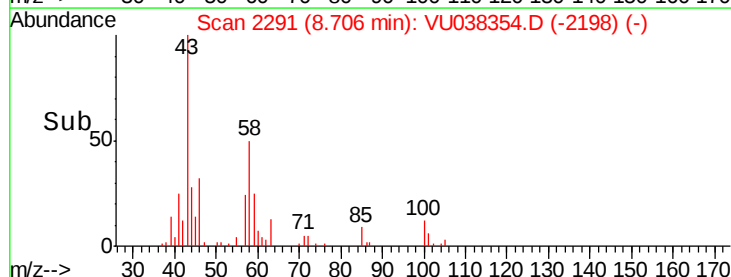
Abundance

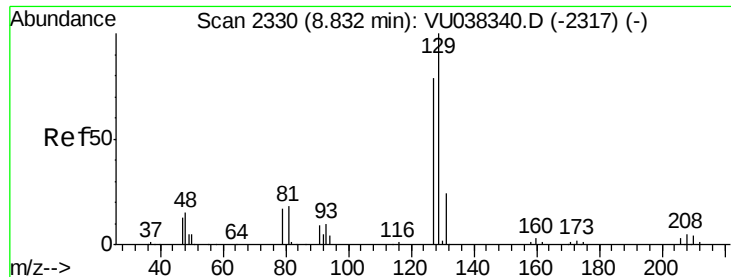
Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

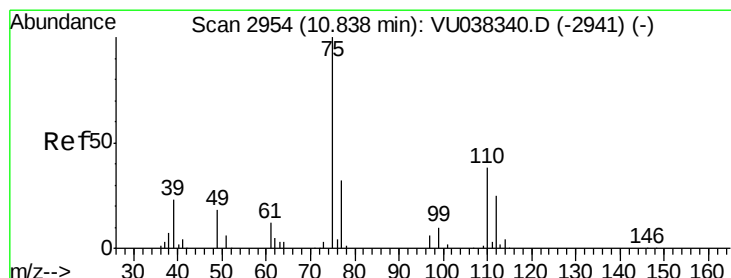
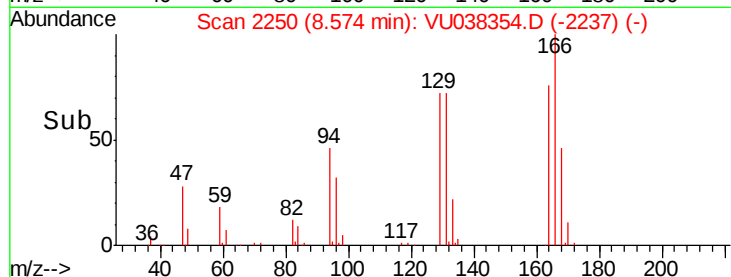
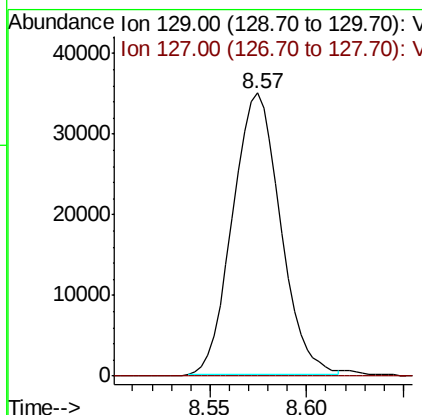
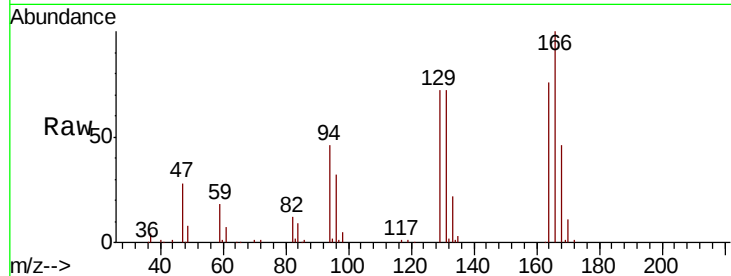




#49
 Dibromochloromethane
 Concen: 15.173 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.26 min
 Lab File: VU038354.D
 Acq: 28 May 2020 18:28

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:129 Resp: 60098
 Ion Ratio Lower Upper
 129 100
 127 0.0 55.2 102.6#



#59
 1,2,3-Trichloropropane
 Concen: 5.859 ug/L
 RT: 11.83 min Scan# 3261
 Delta R.T. 0.99 min
 Lab File: VU038354.D
 Acq: 28 May 2020 18:28

Tgt Ion: 75 Resp: 33773
 Ion Ratio Lower Upper
 75 100
 77 37.9 25.8 38.8

