

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021720\
 Data File : VU036821.D
 Acq On : 17 Feb 2020 19:53
 Operator : JC/MD
 Sample : L1539-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK1

Quant Time: Feb 18 03:48:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Feb 18 00:46:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	110638	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	105098	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	39924	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	36706	3.86	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.20%
7) Chloroethane-d5	1.93	69	37186	4.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.00%
11) 1,1-Dichloroethene-d2	2.59	63	55147	3.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.40%
20) 2-Butanone-d5	4.67	46	107266	53.76	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.52%
24) Chloroform-d	5.11	84	70296	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.74	65	40391	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	5.76	84	150685	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
36) 1,2-Dichloropropane-d6	6.73	67	49809	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	7.92	98	133052	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
43) trans-1,3-Dichloropropene-	8.21	79	16666	4.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.60%
46) 2-Hexanone-d5	8.66	63	89203	49.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.10%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	39530	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.80%
64) 1,2-Dichlorobenzene-d4	12.21	152	41484	5.20	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.00%

Target Compounds

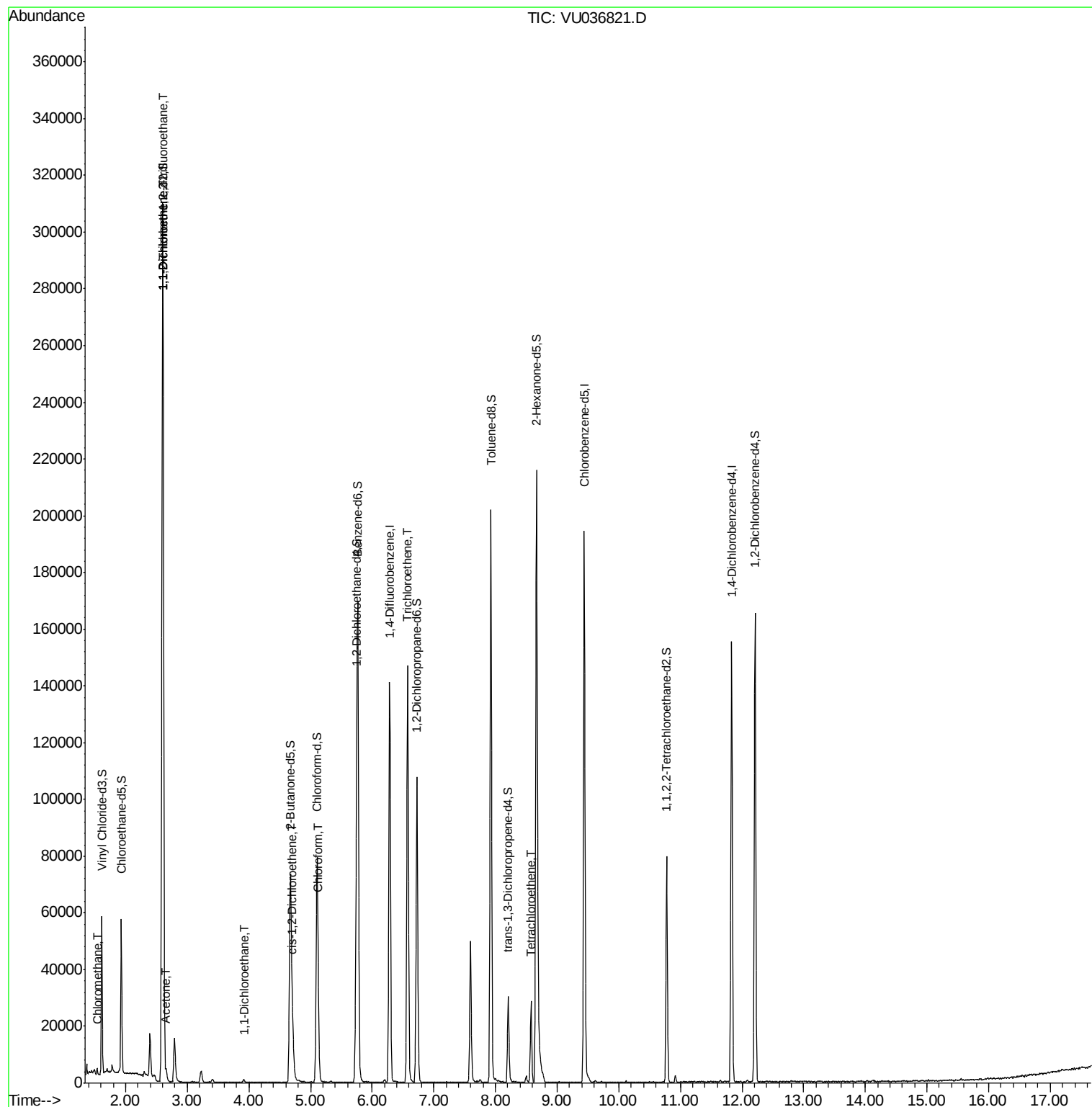
					Ovalue
3) Chloromethane	1.54	50	1640	0.216 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	100874	13.516 ug/L	99
12) 1,1-Dichloroethene	2.61	96	7307	1.086 ug/L #	21
13) Acetone	2.66	43	5006	1.962 ug/L	95
19) 1,1-Dichloroethane	3.91	63	1359	0.093 ug/L #	90
22) cis-1,2-Dichloroethene	4.71	96	6926	0.824 ug/L	92
25) Chloroform	5.13	83	7038	0.453 ug/L	96
34) Trichloroethene	6.57	95	50998	6.177 ug/L	98
47) Tetrachloroethene	8.58	164	6169	1.098 ug/L	92

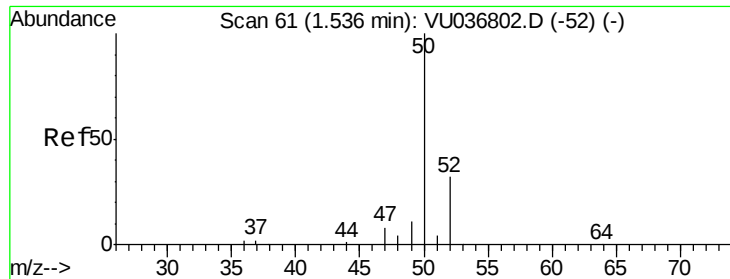
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Feb 18 00:46:02 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.216 ug/L

RT: 1.54 min Scan# 62

Delta R.T. 0.00 min

Lab File: VU036821.D

Acq: 17 Feb 2020 19:53

Instrument :

MSVOA_U

ClientSampleId :

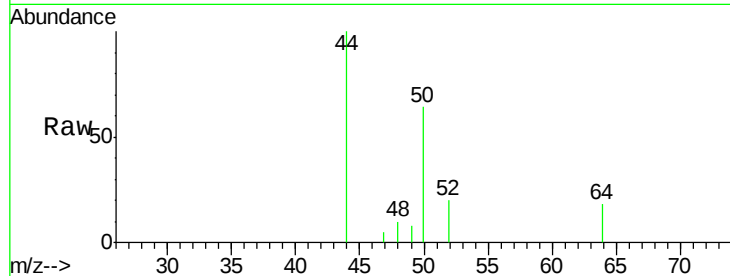
C0AK1

Tot Ion: 50 Resp: 1640

Ion Ratio Lower Upper

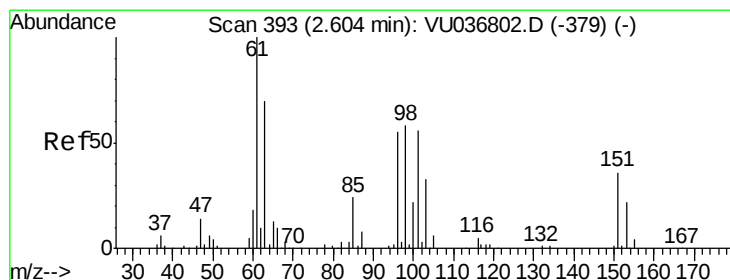
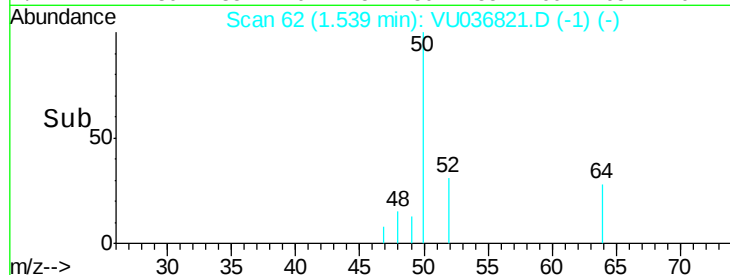
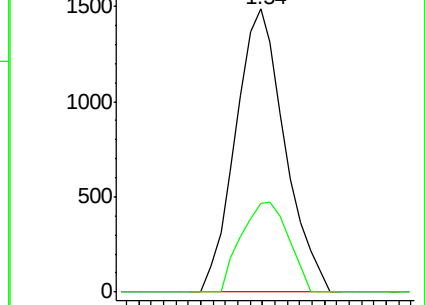
50 100

52 31.1 23.8 44.2



Abundance Ion 50.05 (49.75 to 50.75): VU036821.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU036821.D (-52) (-)



#10

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

Concen: 13.516 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036821.D

Acq: 17 Feb 2020 19:53

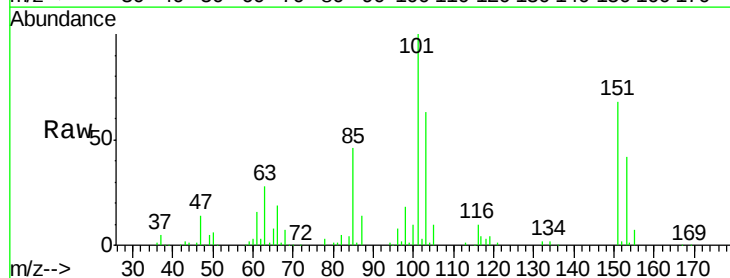
Tgt Ion:101 Resp: 100874

Ion Ratio Lower Upper

101 100

85 45.8 36.4 54.6

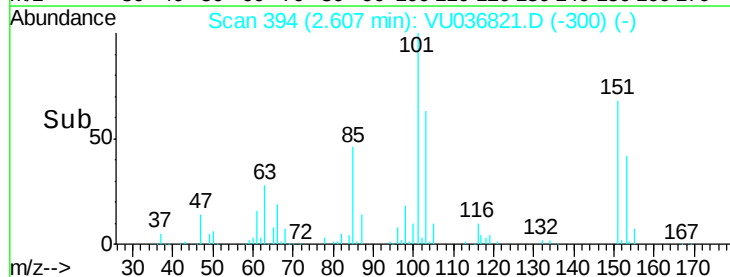
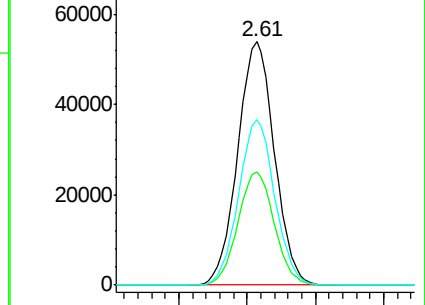
151 66.7 54.0 81.0

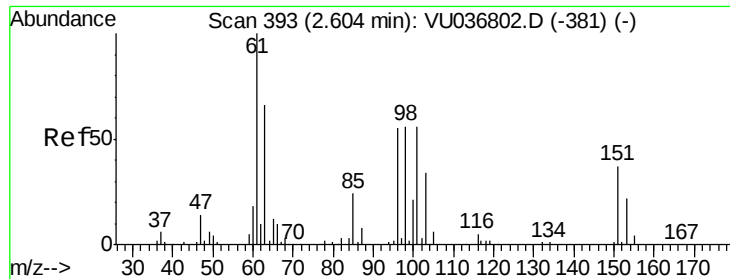


Abundance Ion 101.00 (100.70 to 101.70): VU036821.D (-379) (-)

Ion 85.00 (84.70 to 85.70): VU036821.D (-379) (-)

Ion 151.00 (150.70 to 151.70): VU036821.D (-379) (-)





#12

1,1-Dichloroethene

Concen: 1.086 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036821.D

Acq: 17 Feb 2020 19:53

Instrument :

MSVOA_U

ClientSampleId :

C0AK1

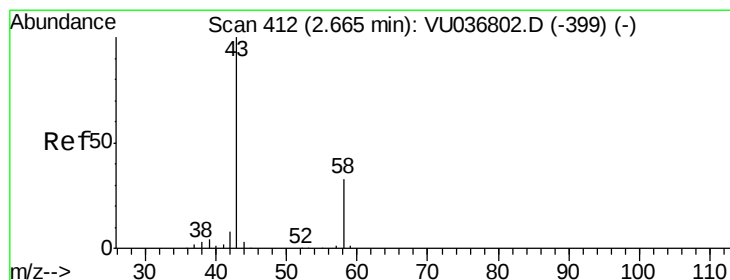
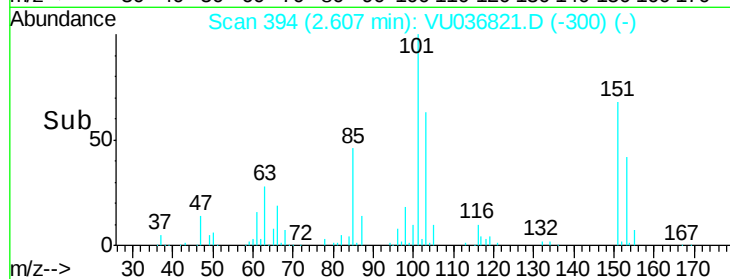
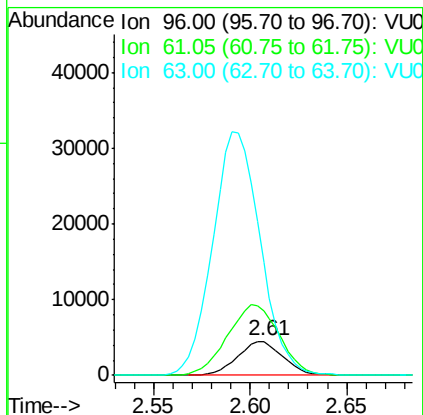
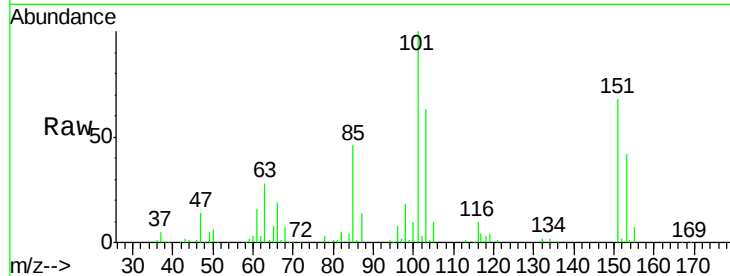
Tot Ion: 96 Resp: 7307

Ion Ratio Lower Upper

96 100

61 190.8 126.4 234.8

63 336.0 89.5 166.3#



#13

Acetone

Concen: 1.962 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU036821.D

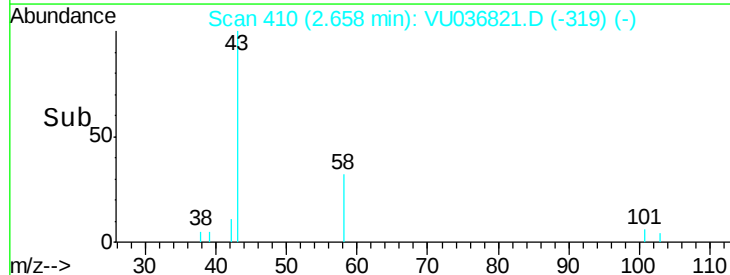
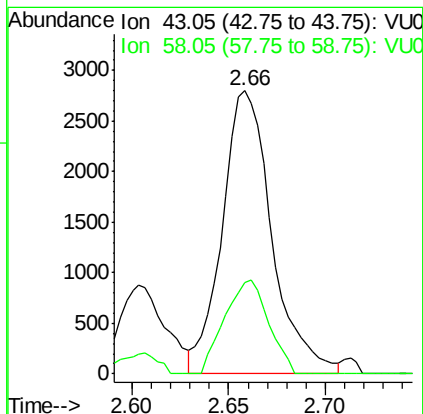
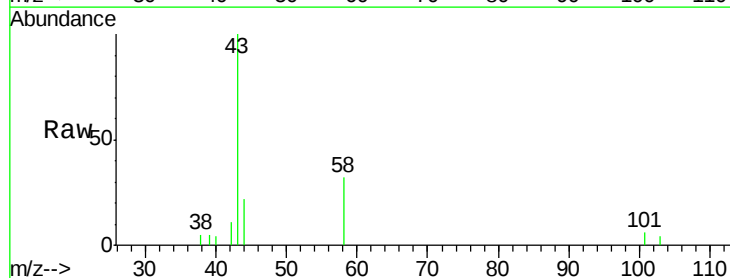
Acq: 17 Feb 2020 19:53

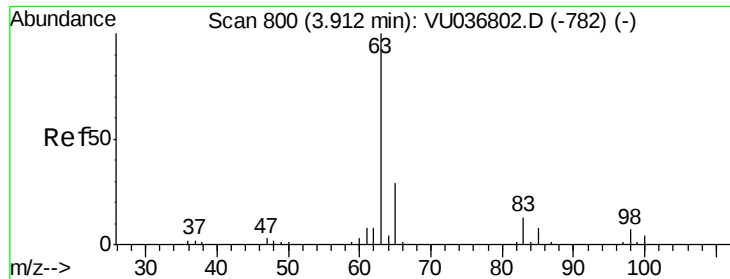
Tgt Ion: 43 Resp: 5006

Ion Ratio Lower Upper

43 100

58 29.3 0.0 64.2

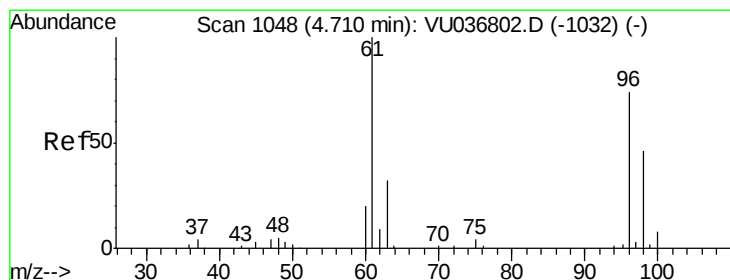
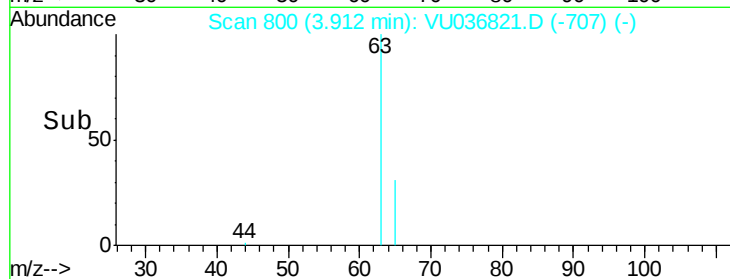
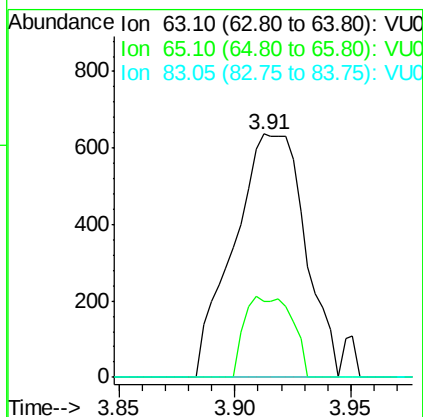
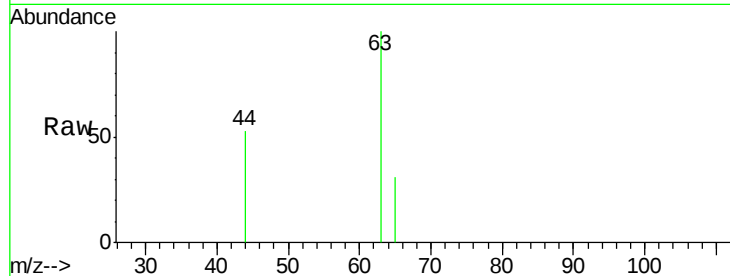




#19
 1,1-Dichloroethane
 Concen: 0.093 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. -0.00 min
 Lab File: VU036821.D
 Acq: 17 Feb 2020 19:53

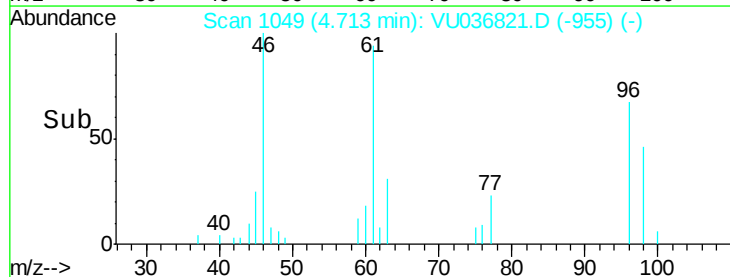
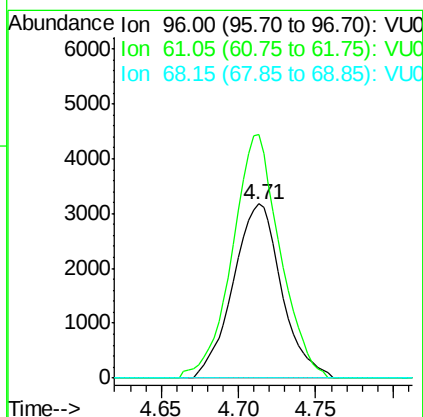
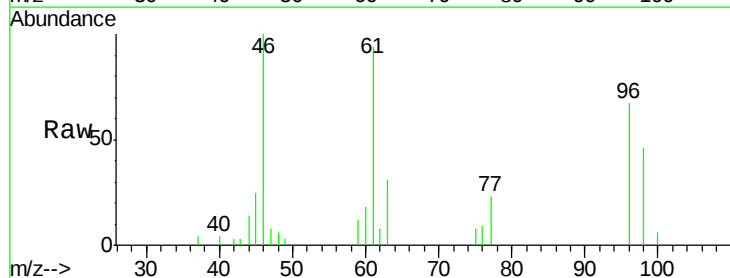
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK1

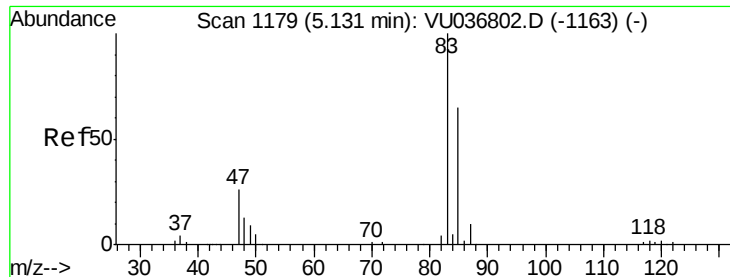
Tot Ion: 63 Resp: 1359
 Ion Ratio Lower Upper
 63 100
 65 31.2 21.6 40.2
 83 0.0 8.8 16.3#



#22
 cis-1,2-Dichloroethene
 Concen: 0.824 ug/L
 RT: 4.71 min Scan# 1049
 Delta R.T. 0.00 min
 Lab File: VU036821.D
 Acq: 17 Feb 2020 19:53

Tgt Ion: 96 Resp: 6926
 Ion Ratio Lower Upper
 96 100
 61 139.9 91.2 169.4
 68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.453 ug/L

RT: 5.13 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VU036821.D

Acq: 17 Feb 2020 19:53

Instrument :

MSVOA_U

ClientSampleId :

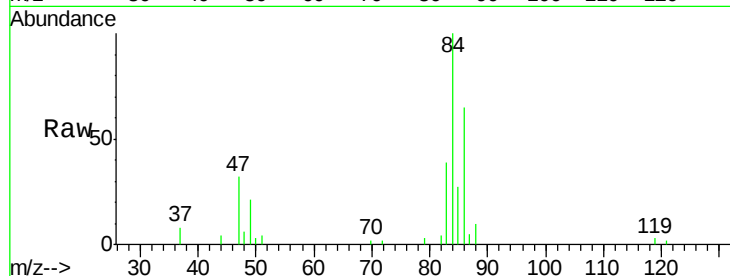
C0AK1

Tot Ion: 83 Resp: 7038

Ion Ratio Lower Upper

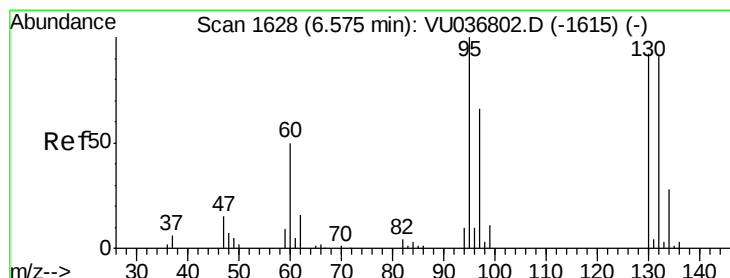
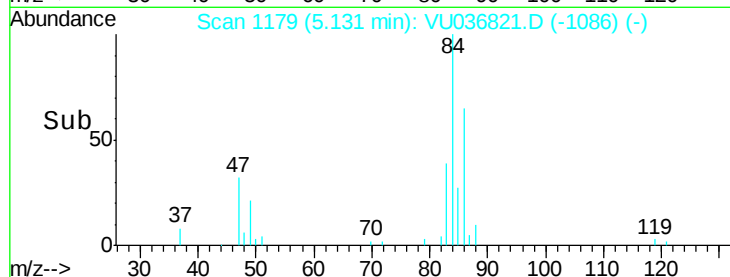
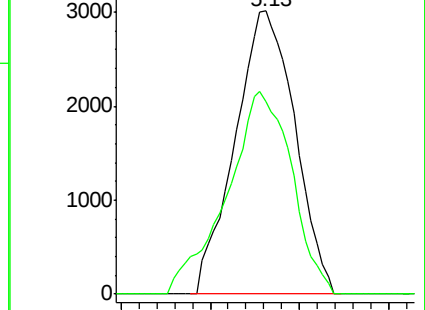
83 100

85 68.0 45.4 84.2



Abundance Ion 83.05 (82.75 to 83.75): VU036821.D (-1163) (-)

Ion 85.00 (84.70 to 85.70): VU036821.D (-1163) (-)



#34

Trichloroethene

Concen: 6.177 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VU036821.D

Acq: 17 Feb 2020 19:53

Tgt Ion: 95 Resp: 50998

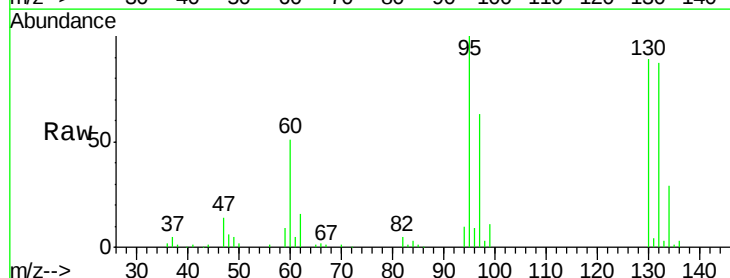
Ion Ratio Lower Upper

95 100

97 63.2 45.6 84.8

132 87.1 62.8 116.6

130 89.3 63.8 118.4

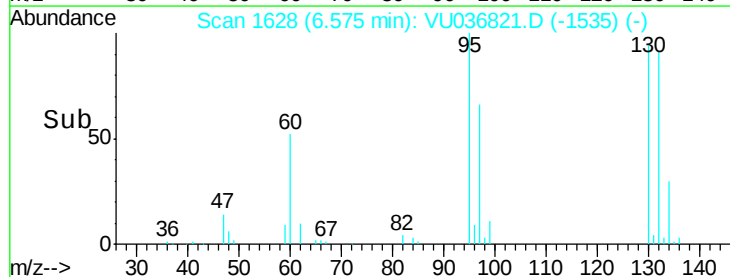
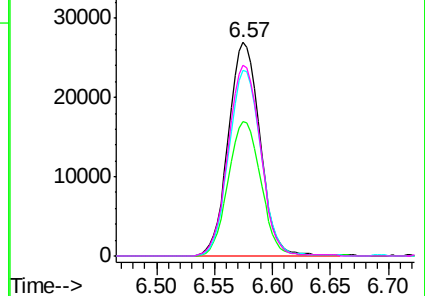


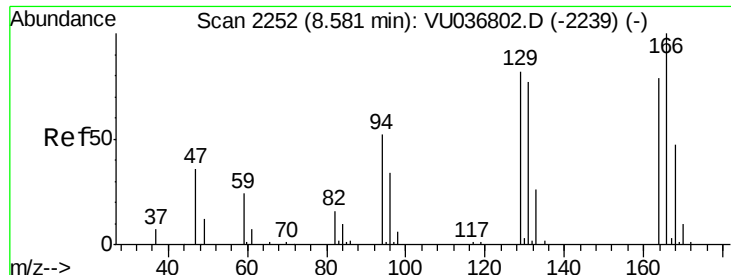
Abundance Ion 95.00 (94.70 to 95.70): VU036821.D (-1615) (-)

Ion 96.95 (96.65 to 97.65): VU036821.D (-1615) (-)

Ion 131.95 (131.65 to 132.65): VU036821.D (-1615) (-)

Ion 129.95 (129.65 to 130.65): VU036821.D (-1615) (-)





#47

Tetrachloroethene

Concen: 1.098 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. -0.00 min

Lab File: VU036821.D

Acq: 17 Feb 2020 19:53

Instrument :

MSVOA_U

ClientSampleId :

C0AK1

Tot Ion:164 Resp: 6169

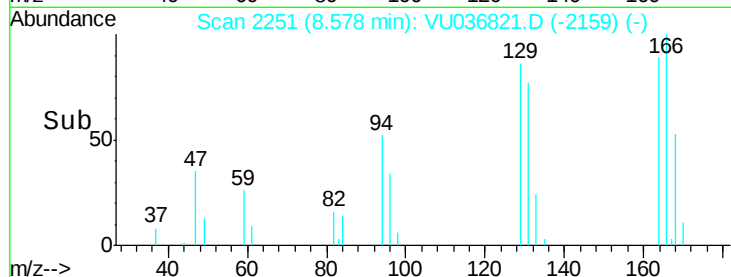
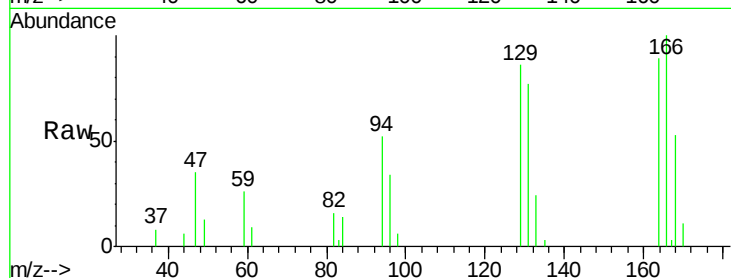
Ion Ratio Lower Upper

164 100

129 97.4 68.0 126.4

131 87.2 69.4 128.8

166 112.7 86.6 160.8



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

