

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021820\
 Data File : VU036828.D
 Acq On : 18 Feb 2020 11:57
 Operator : JC/MD
 Sample : L1539-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 19 04:55:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Feb 19 04:53:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	133450	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	126070	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	50486	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	38012	3.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.20%
7) Chloroethane-d5	1.93	69	38075	3.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.40%
11) 1,1-Dichloroethene-d2	2.59	63	52558	2.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.80%#
20) 2-Butanone-d5	4.69	46	112879	46.90	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.80%
24) Chloroform-d	5.11	84	73136	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.60%
26) 1,2-Dichloroethane-d4	5.74	65	42901	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.60%
32) Benzene-d6	5.77	84	154546	4.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.60%
36) 1,2-Dichloropropane-d6	6.73	67	51391	4.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.60%
41) Toluene-d8	7.93	98	137559	3.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.20%
43) trans-1,3-Dichloropropene-	8.21	79	18076	3.82	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.40%
46) 2-Hexanone-d5	8.67	63	91290	42.28	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.56%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	40171	4.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.80%
64) 1,2-Dichlorobenzene-d4	12.21	152	43667	4.33	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.60%

Target Compounds

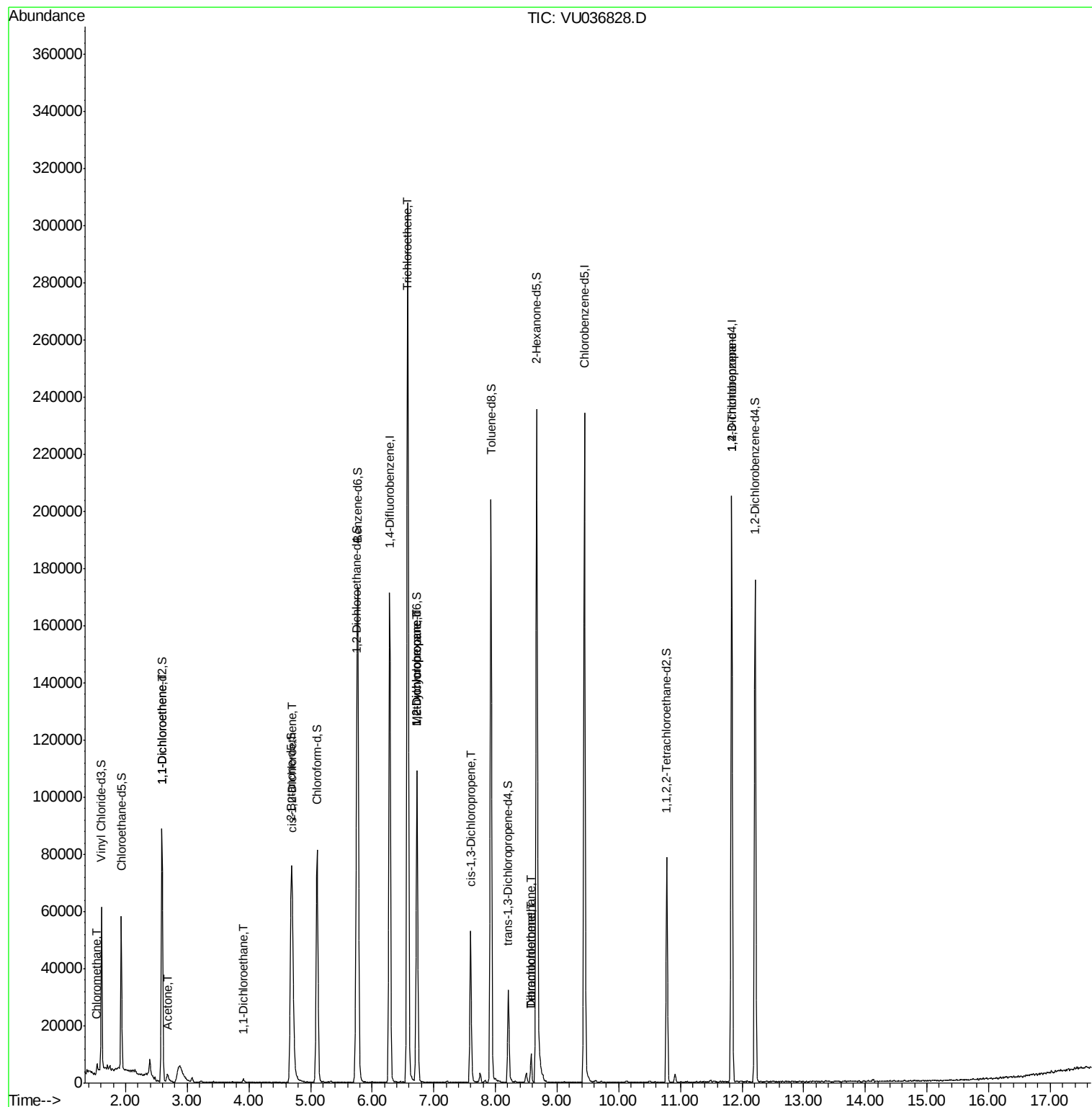
					Ovalue
3) Chloromethane	1.53	50	2201	0.240 ug/L	89
12) 1,1-Dichloroethene	2.60	96	1217	0.150 ug/L #	1
13) Acetone	2.68	43	4761	1.547 ug/L	95
19) 1,1-Dichloroethane	3.91	63	1626	0.093 ug/L #	87
22) cis-1,2-Dichloroethene	4.71	96	12183	1.202 ug/L	98
34) Trichloroethene	6.57	95	106793	10.783 ug/L	98
35) Methylcyclohexane	6.73	83	10924	0.695 ug/L #	19
37) 1,2-Dichloropropane	6.73	63	5468	0.515 ug/L #	89
39) cis-1,3-Dichloropropene	7.59	75	1153	0.075 ug/L #	47
47) Tetrachloroethene	8.58	164	2098	0.311 ug/L	92
49) Dibromochloromethane	8.58	129	2240	0.293 ug/L #	9
59) 1,2,3-Trichloropropane	11.83	75	7620	1.087 ug/L	97

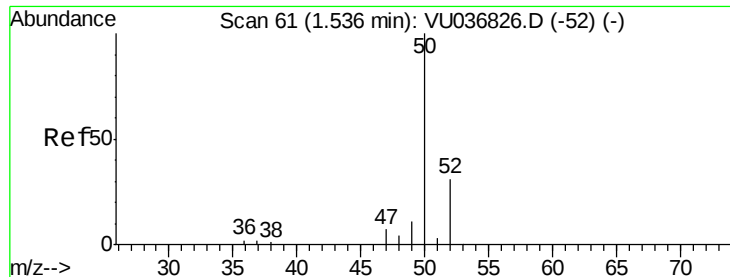
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Feb 19 04:53:41 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.240 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU036828.D

Acq: 18 Feb 2020 11:57

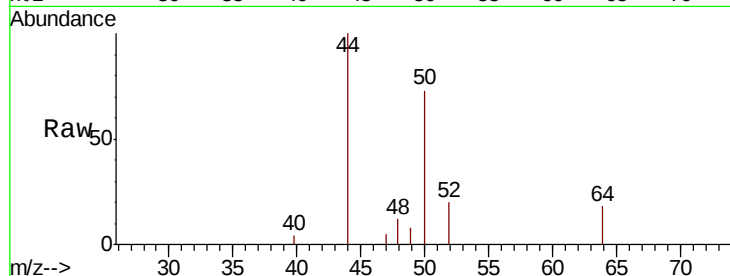
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 50 Resp: 2201

Ion Ratio Lower Upper

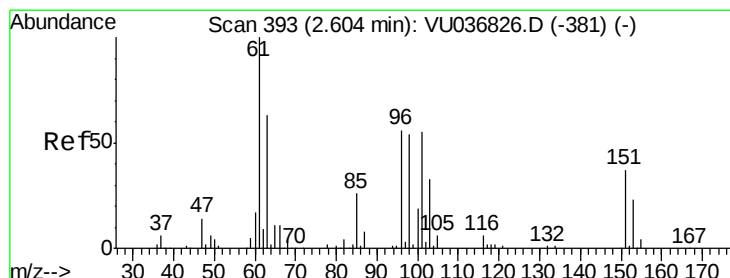
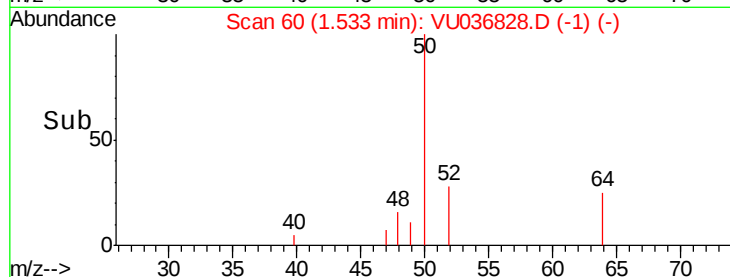
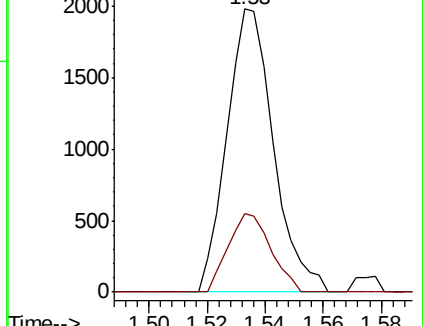
50 100

52 27.7 23.8 44.2



Abundance Ion 50.05 (49.75 to 50.75): VU036828.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU036828.D (-52) (-)



#12

1,1-Dichloroethene

Concen: 0.150 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU036828.D

Acq: 18 Feb 2020 11:57

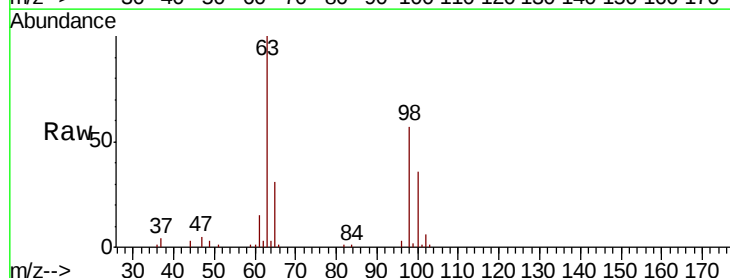
Tgt Ion: 96 Resp: 1217

Ion Ratio Lower Upper

96 100

61 511.9 126.4 234.8#

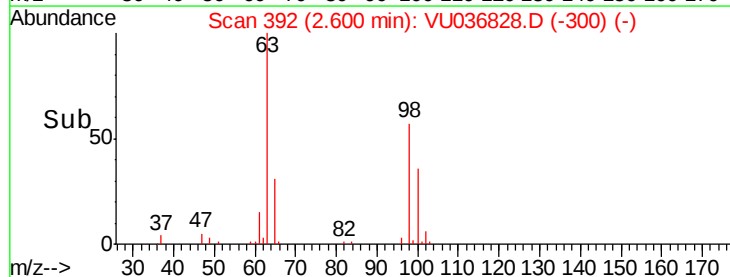
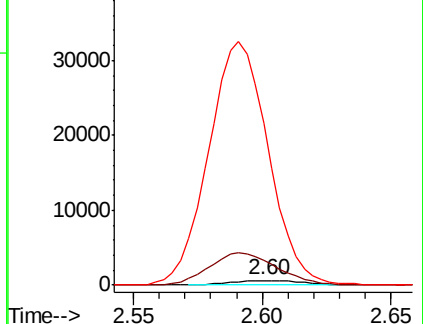
63 3331.3 89.5 166.3#

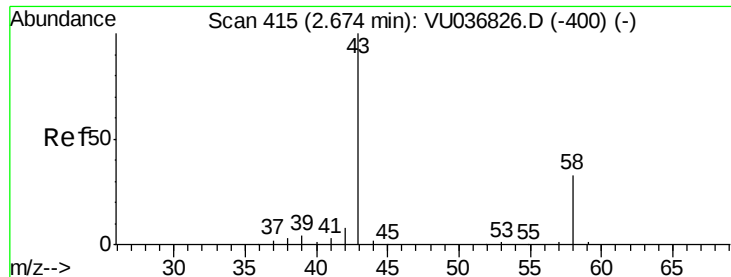


Abundance Ion 96.00 (95.70 to 96.70): VU036828.D (-381) (-)

Ion 61.05 (60.75 to 61.75): VU036828.D (-381) (-)

Ion 63.00 (62.70 to 63.70): VU036828.D (-381) (-)





#13

Acetone

Concen: 1.547 ug/L

RT: 2.68 min Scan# 417

Delta R.T. 0.01 min

Lab File: VU036828.D

Acq: 18 Feb 2020 11:57

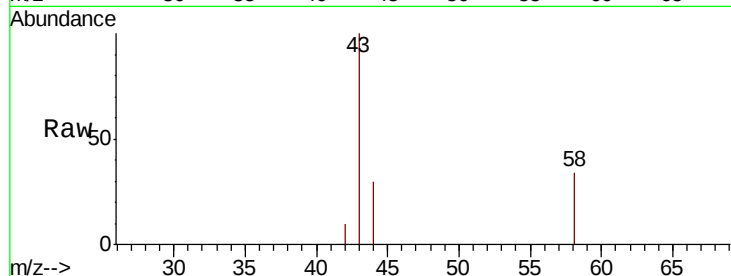
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 4761

Ion Ratio Lower Upper

43 100

58 29.5 0.0 64.2



Abundance Ion 43.05 (42.75 to 43.75): VU036828.D (-322) (-)

Ion 58.05 (57.75 to 58.75): VU036828.D (-322) (-)

2.68

2000

1500

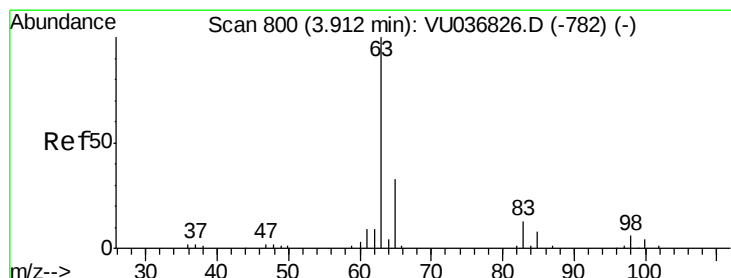
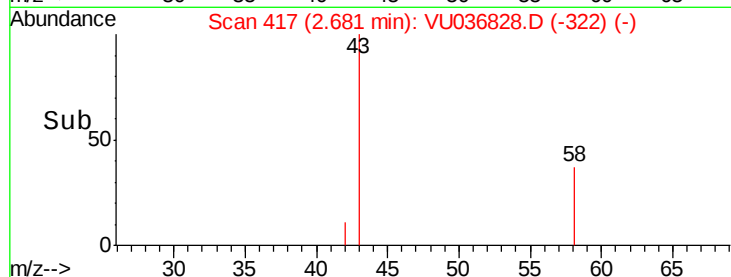
1000

500

0

Time-->

2.60 2.65 2.70 2.75



#19

1,1-Dichloroethane

Concen: 0.093 ug/L

RT: 3.91 min Scan# 800

Delta R.T. -0.00 min

Lab File: VU036828.D

Acq: 18 Feb 2020 11:57

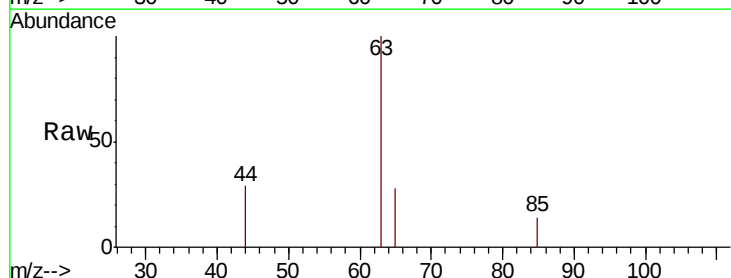
Tgt Ion: 63 Resp: 1626

Ion Ratio Lower Upper

63 100

65 28.1 21.6 40.2

83 0.0 8.8 16.3#



Abundance Ion 63.10 (62.80 to 63.80): VU036828.D (-707) (-)

Ion 65.10 (64.80 to 65.80): VU036828.D (-707) (-)

Ion 83.05 (82.75 to 83.75): VU036828.D (-707) (-)

3.91

1200

1000

800

600

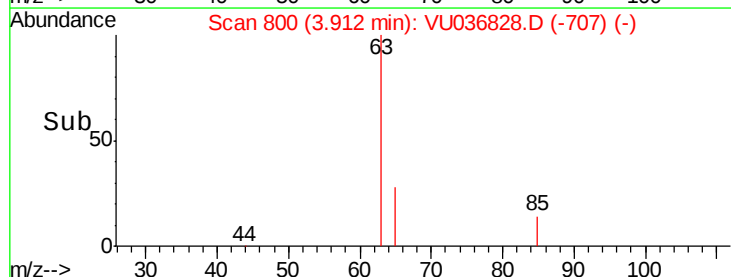
400

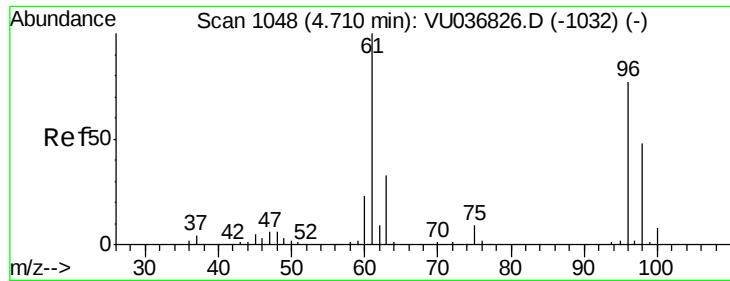
200

0

Time-->

3.85 3.90 3.95

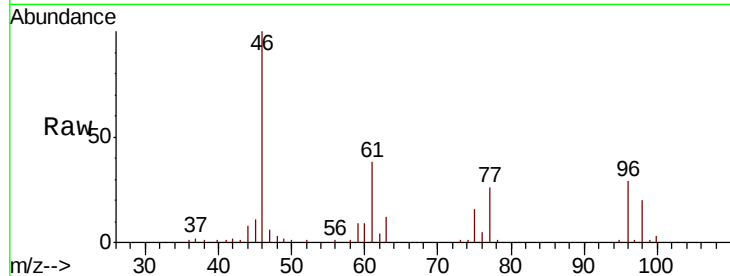




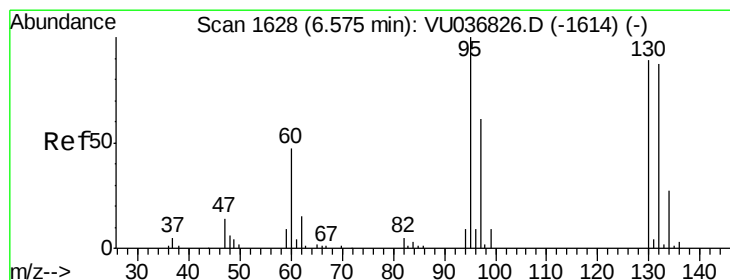
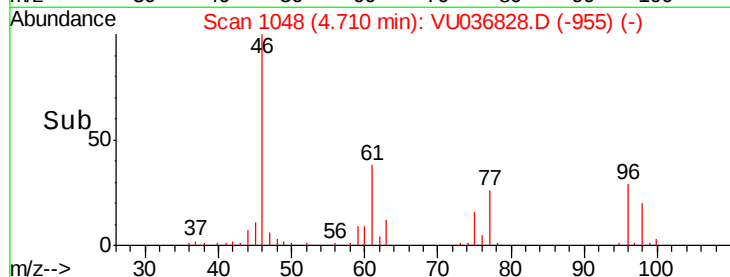
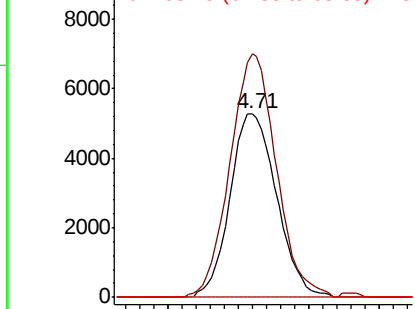
#22
 cis-1,2-Dichloroethene
 Concen: 1.202 ug/L
 RT: 4.71 min Scan# 1048
 Delta R.T. -0.00 min
 Lab File: VU036828.D
 Acq: 18 Feb 2020 11:57

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 96 Resp: 12183
 Ion Ratio Lower Upper
 96 100
 61 132.6 91.2 169.4
 68 0.0 0.0 0.0

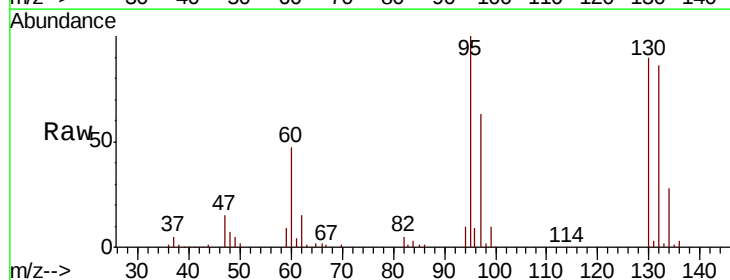


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

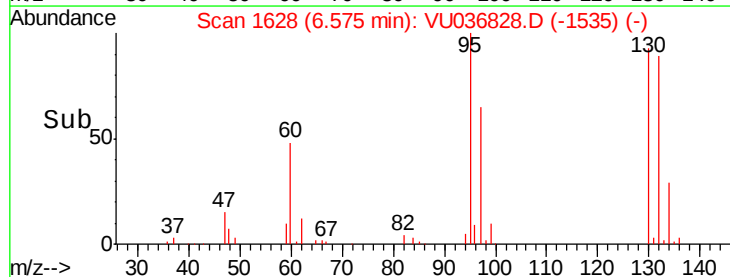
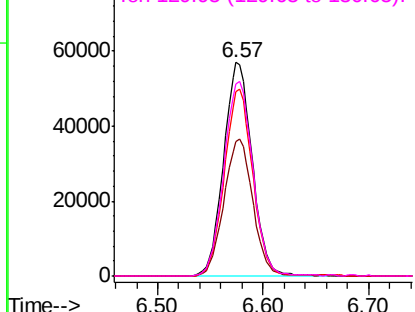


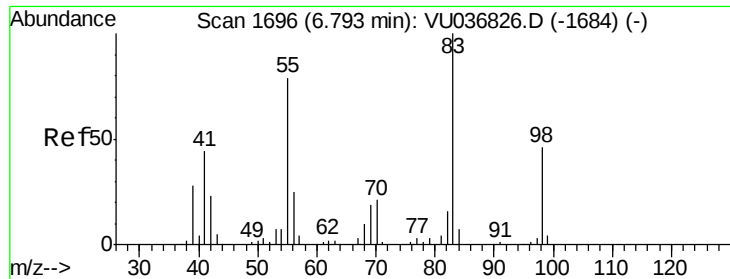
#34
 Trichloroethene
 Concen: 10.783 ug/L
 RT: 6.57 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VU036828.D
 Acq: 18 Feb 2020 11:57

Tgt Ion: 95 Resp: 106793
 Ion Ratio Lower Upper
 95 100
 97 62.9 45.6 84.8
 132 86.3 62.8 116.6
 130 90.2 63.8 118.4



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

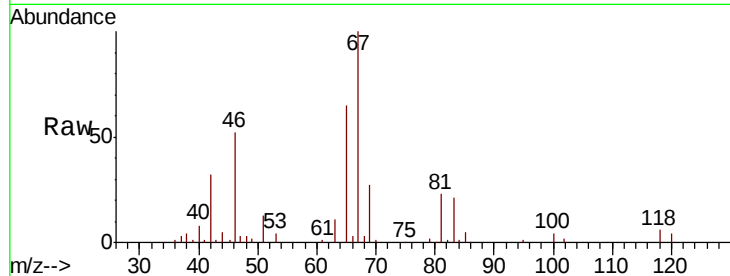




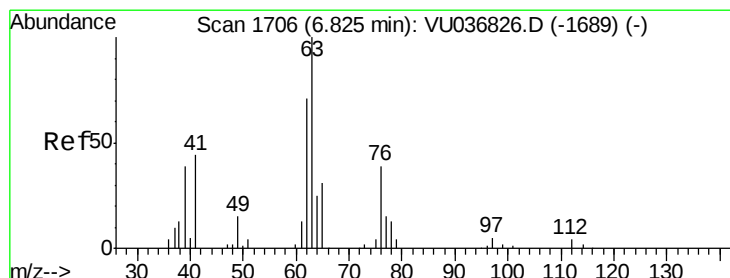
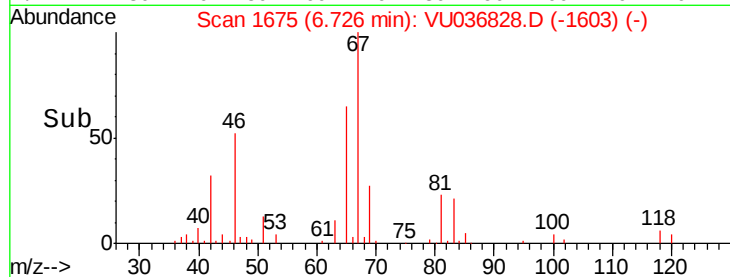
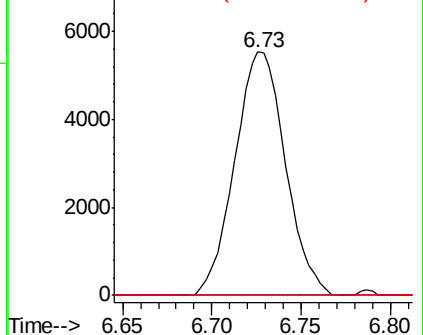
#35
Methylcyclohexane
Concen: 0.695 ug/L
RT: 6.73 min Scan# 1675
Delta R.T. -0.07 min
Lab File: VU036828.D
Acq: 18 Feb 2020 11:57

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 10924
Ion Ratio Lower Upper
83 100
55 0.0 61.0 91.4#
98 0.0 34.2 51.4#

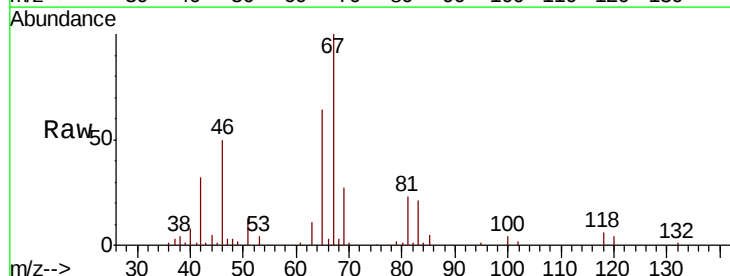


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

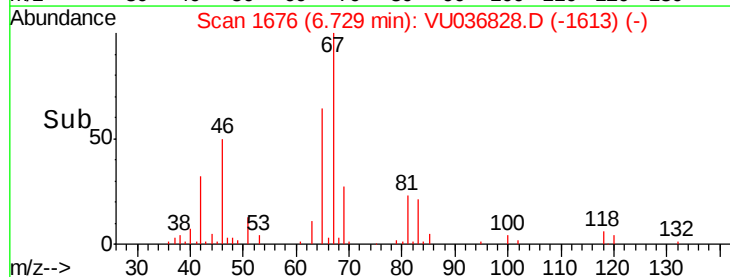
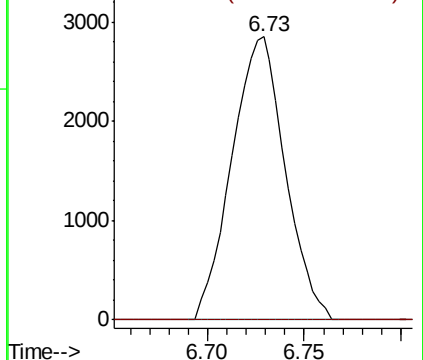


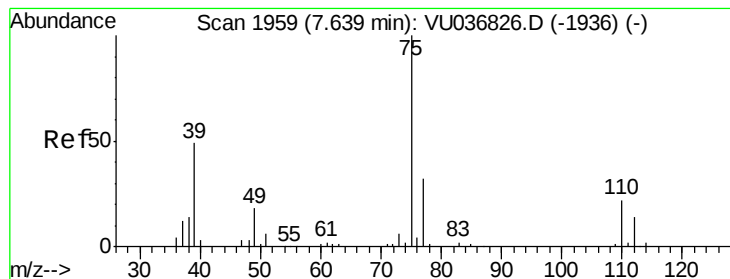
#37
1,2-Dichloropropane
Concen: 0.515 ug/L
RT: 6.73 min Scan# 1676
Delta R.T. -0.10 min
Lab File: VU036828.D
Acq: 18 Feb 2020 11:57

Tgt Ion: 63 Resp: 5468
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.4#



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



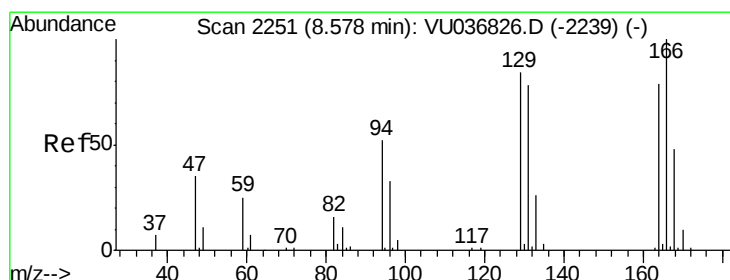
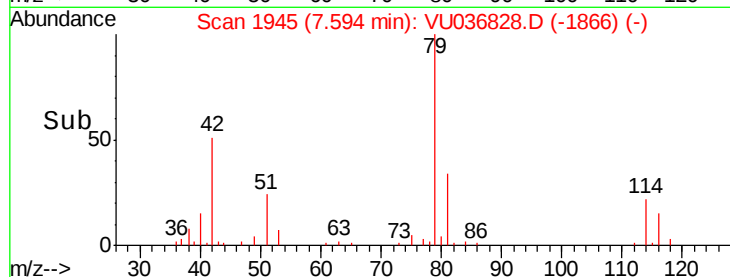
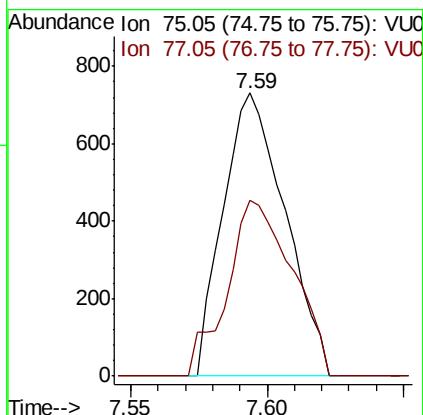
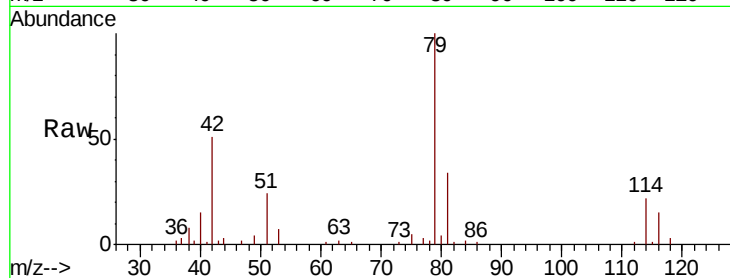


#39

cis-1,3-Dichloropropene
 Concen: 0.075 ug/L
 RT: 7.59 min Scan# 1945
 Delta R.T. -0.05 min
 Lab File: VU036828.D
 Acq: 18 Feb 2020 11:57

Instrument :
 MSVOA_U
 ClientSampleId :

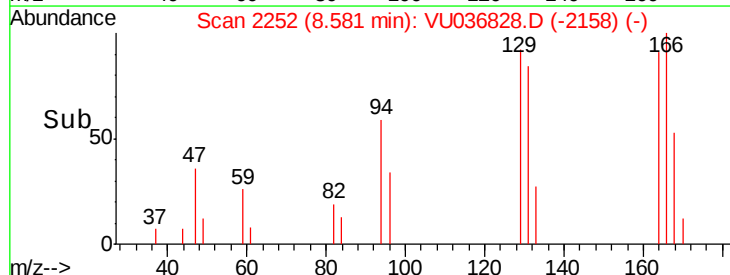
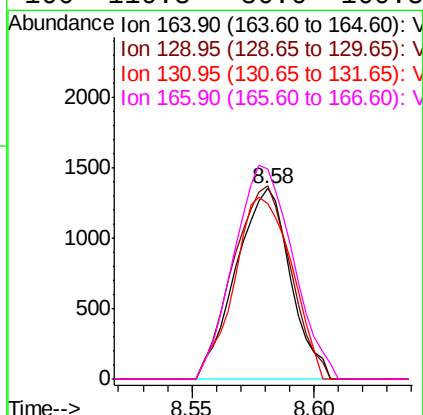
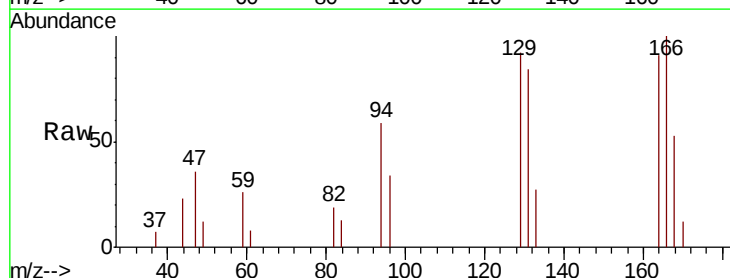
Tot Ion: 75 Resp: 1153
 Ion Ratio Lower Upper
 75 100
 77 62.0 22.5 41.9#

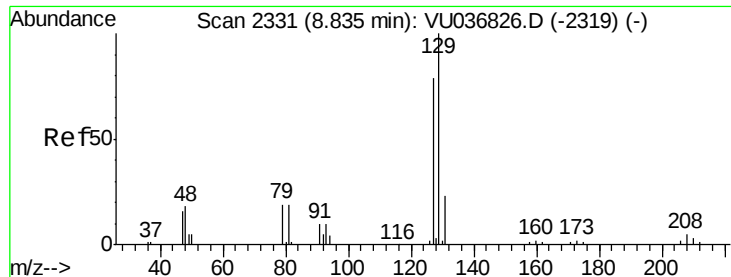


#47

Tetrachloroethene
 Concen: 0.311 ug/L
 RT: 8.58 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VU036828.D
 Acq: 18 Feb 2020 11:57

Tgt Ion:164 Resp: 2098
 Ion Ratio Lower Upper
 164 100
 129 101.3 68.0 126.4
 131 92.2 69.4 128.8
 166 110.3 86.6 160.8

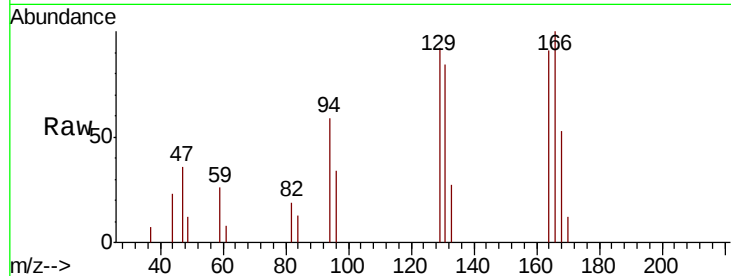




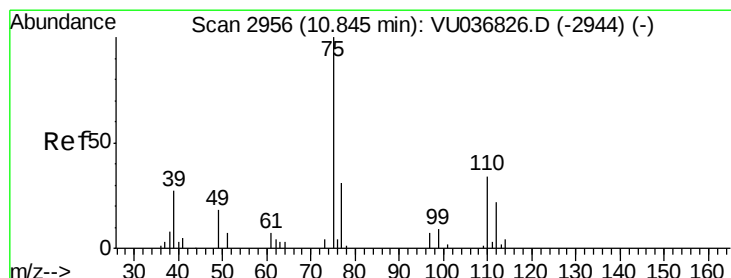
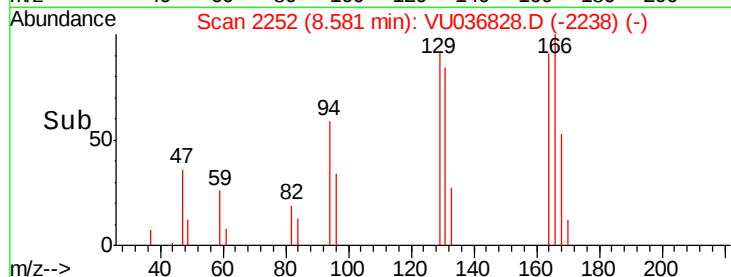
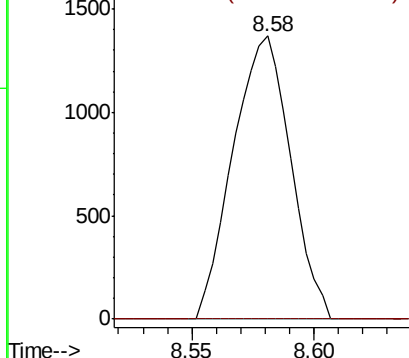
#49
 Dibromochloromethane
 Concen: 0.293 ug/L
 RT: 8.58 min Scan# 2252
 Delta R.T. -0.25 min
 Lab File: VU036828.D
 Acq: 18 Feb 2020 11:57

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:129 Resp: 2240
 Ion Ratio Lower Upper
 129 100
 127 0.0 56.7 105.3#

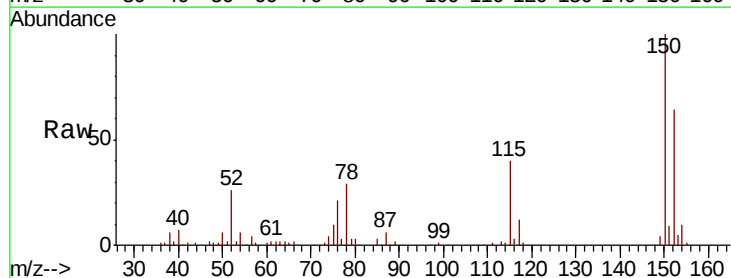


Abundance Ion 128.95 (128.65 to 129.65): V
 Ion 126.90 (126.60 to 127.60): V



#59
 1,2,3-Trichloropropane
 Concen: 1.087 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.99 min
 Lab File: VU036828.D
 Acq: 18 Feb 2020 11:57

Tgt Ion: 75 Resp: 7620
 Ion Ratio Lower Upper
 75 100
 77 33.8 25.6 38.4



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

