

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121019\
 Data File : VU036086.D
 Acq On : 10 Dec 2019 15:53
 Operator : JC/MD
 Sample : K6168-06DL2 200X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 11 06:31:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 11 06:27:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	328412	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	368937	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	125089	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	143694	4.91	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.20%
7) Chloroethane-d5	1.93	69	130211	4.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.80%
11) 1,1-Dichloroethene-d2	2.59	63	152689	2.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.00%#
20) 2-Butanone-d5	4.69	46	269496	54.03	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.06%
24) Chloroform-d	5.11	84	218968	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.75	65	115234	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
32) Benzene-d6	5.77	84	419102	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
36) 1,2-Dichloropropane-d6	6.73	67	135624	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.40%
41) Toluene-d8	7.93	98	343761	3.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.80%
43) trans-1,3-Dichloropropene-	8.22	79	49391	4.21	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.20%
46) 2-Hexanone-d5	8.68	63	220141	51.83	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.66%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	122546	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	117477	4.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.60%

Target Compounds

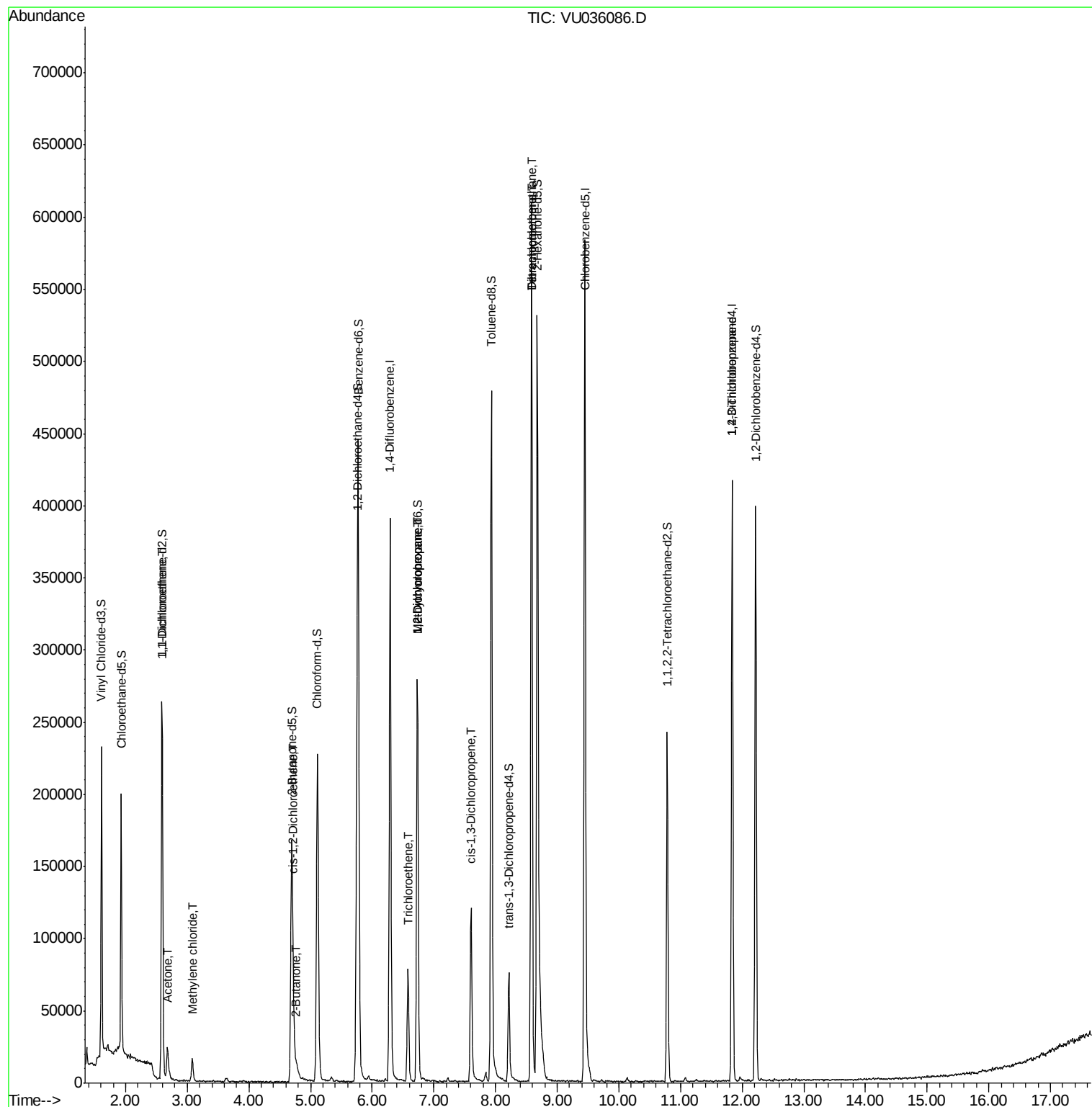
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.60	96	3600	0.126	ug/L #	1
13) Acetone	2.68	43	29784	4.704	ug/L	93
16) Methylene chloride	3.08	84	8229	0.248	ug/L	85
21) 2-Butanone	4.78	43	8289	1.308	ug/L	87
22) cis-1,2-Dichloroethene	4.72	96	3975	0.155	ug/L	99
34) Trichloroethene	6.58	95	25368	0.948	ug/L	95
35) Methylcyclohexane	6.73	83	33297	0.927	ug/L #	19
37) 1,2-Dichloropropane	6.73	63	14519	0.574	ug/L #	88
39) cis-1,3-Dichloropropene	7.60	75	2785	0.081	ug/L #	31
47) Tetrachloroethene	8.58	164	149145	5.860	ug/L	99
49) Dibromochloromethane	8.58	129	130861	4.951	ug/L #	12
59) 1,2,3-Trichloropropane	11.84	75	13460	0.744	ug/L	91

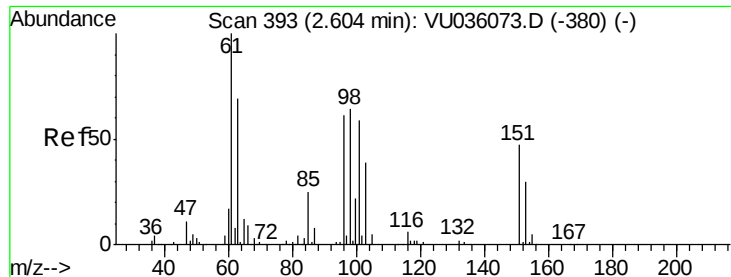
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.126 ug/L

RT: 2.60 min Scan# 393

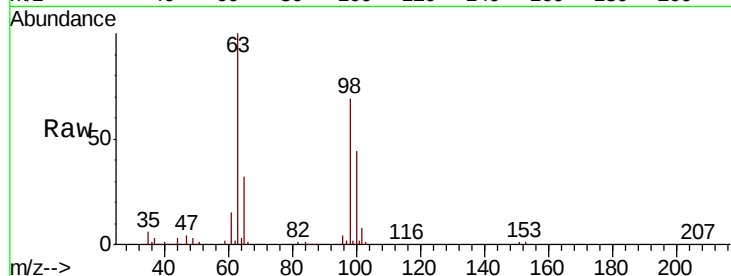
Delta R.T. 0.00 min

Lab File: VU036086.D

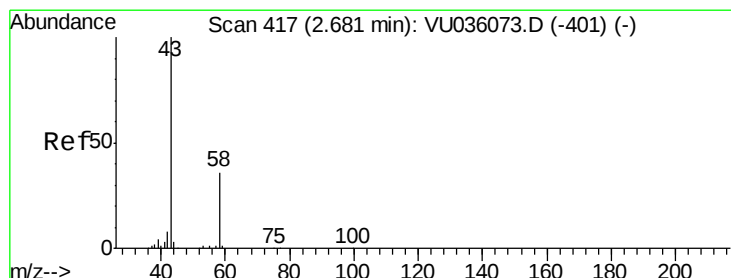
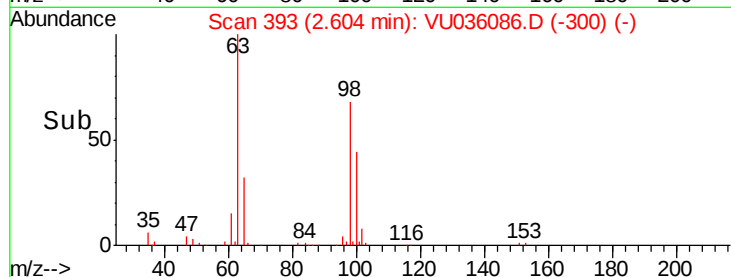
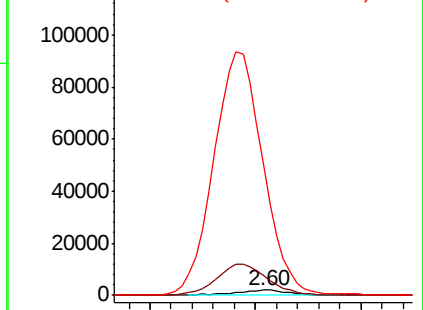
Acq: 10 Dec 2019 15:53

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 3600
Ion Ratio Lower Upper
96 100
61 371.1 104.3 193.7#
63 2474.0 65.6 121.8#



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 63.00 (62.70 to 63.70): VU0



#13

Acetone

Concen: 4.704 ug/L

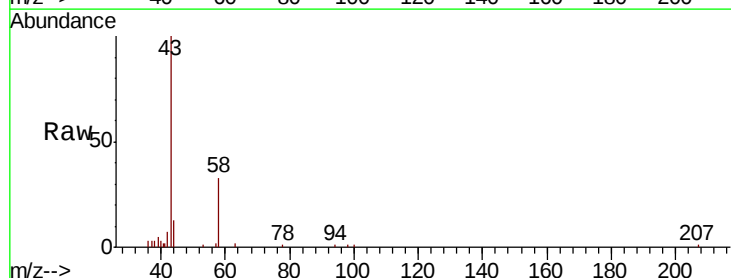
RT: 2.68 min Scan# 416

Delta R.T. -0.00 min

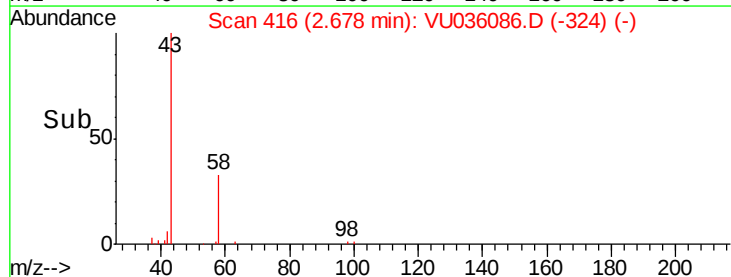
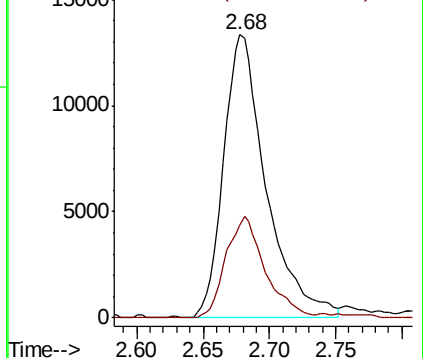
Lab File: VU036086.D

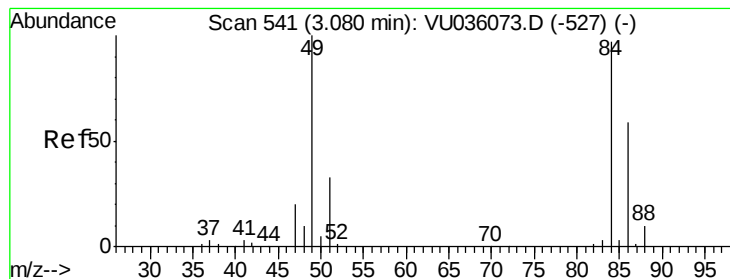
Acq: 10 Dec 2019 15:53

Tgt Ion: 43 Resp: 29784
Ion Ratio Lower Upper
43 100
58 32.9 0.0 74.2



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0





#16

Methvlene chloride

Concen: 0.248 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU036086.D

Acq: 10 Dec 2019 15:53

Instrument :

MSVOA_U

ClientSampleId :

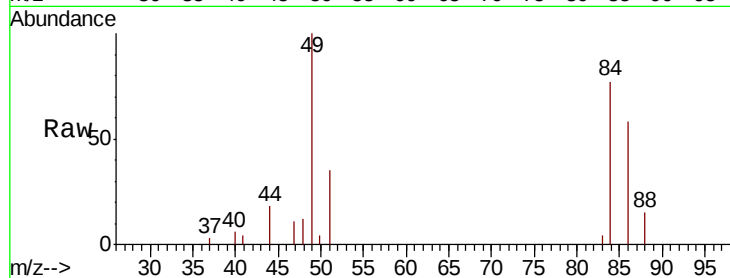
Tot Ion: 84 Resp: 8229

Ion Ratio Lower Upper

84 100

86 74.9 47.5 88.3

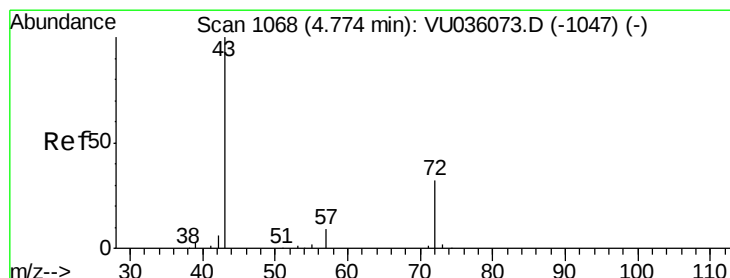
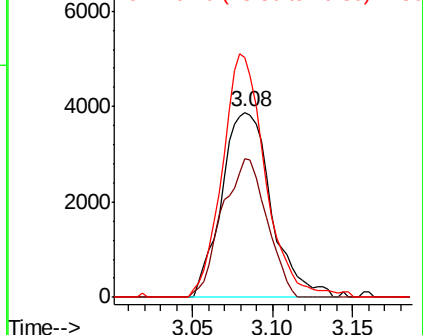
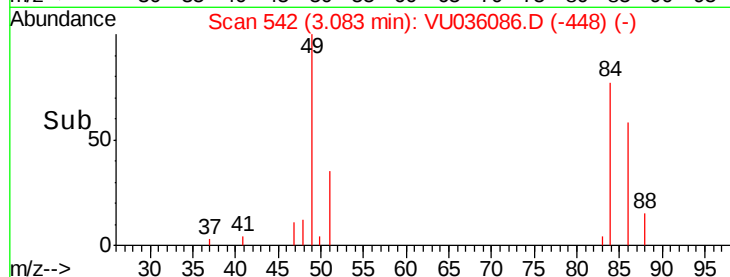
49 129.7 76.9 142.9



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0



#21

2-Butanone

Concen: 1.308 ug/L

RT: 4.78 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VU036086.D

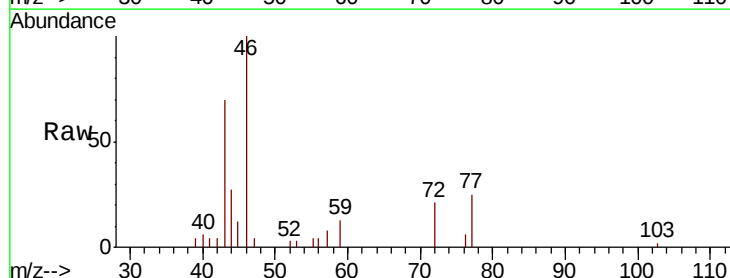
Acq: 10 Dec 2019 15:53

Tgt Ion: 43 Resp: 8289

Ion Ratio Lower Upper

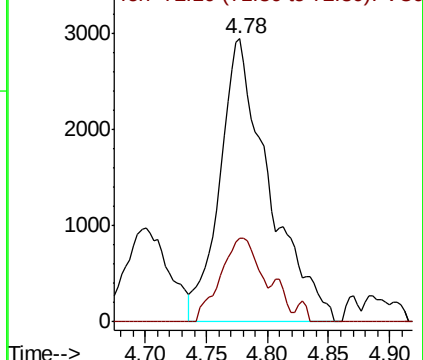
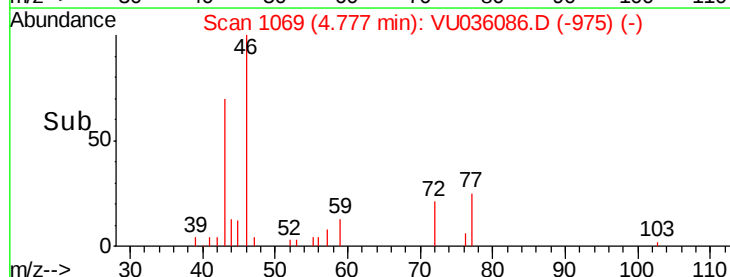
43 100

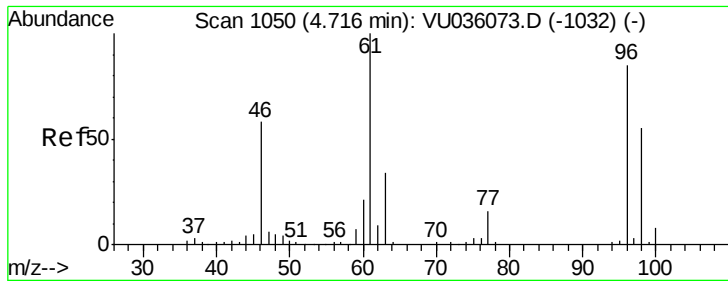
72 23.0 15.0 45.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 0.155 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VU036086.D

Acq: 10 Dec 2019 15:53

Instrument :
MSVOA_U
ClientSampleId :

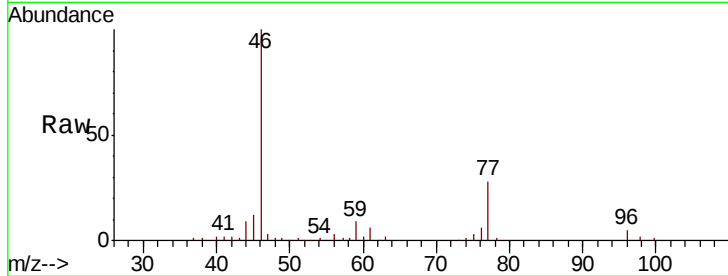
Tot Ion: 96 Resp: 3975

Ion Ratio Lower Upper

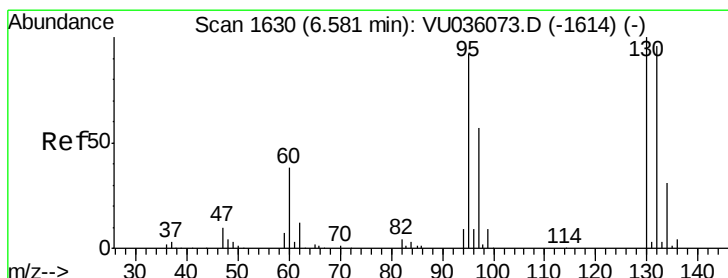
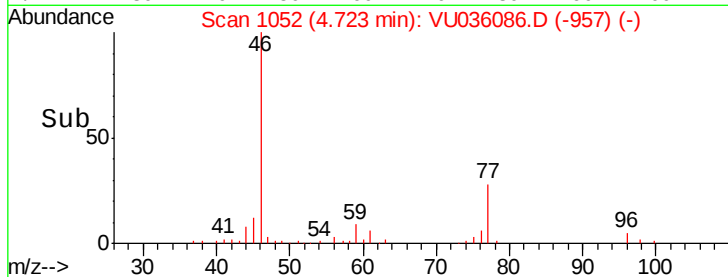
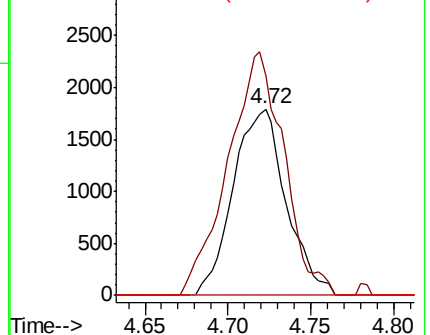
96 100

61 117.5 83.0 154.2

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: 0.948 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036086.D

Acq: 10 Dec 2019 15:53

Tgt Ion: 95 Resp: 25368

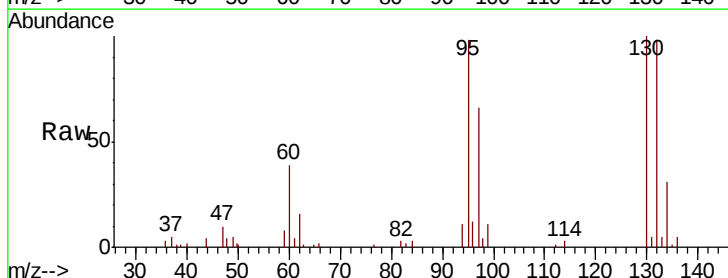
Ion Ratio Lower Upper

95 100

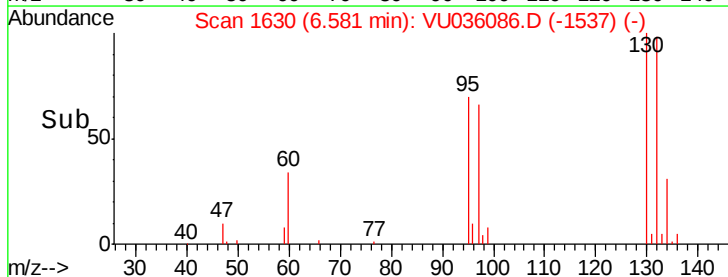
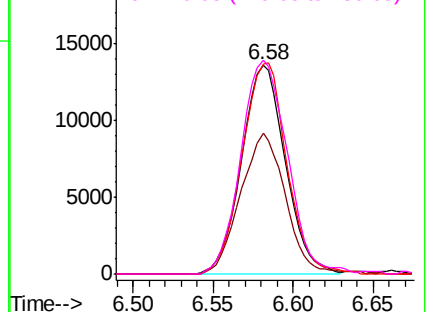
97 67.2 44.4 82.4

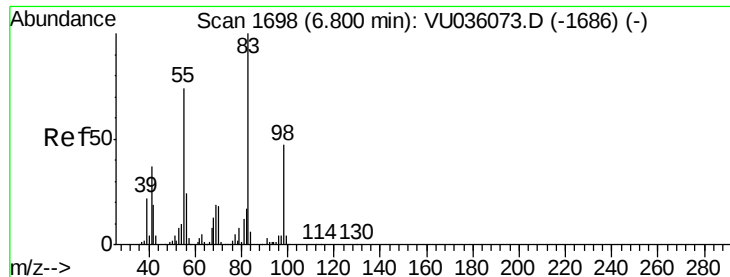
132 100.4 73.4 136.4

130 102.1 75.9 141.1



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: 0.927 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.07 min

Lab File: VU036086.D

Acq: 10 Dec 2019 15:53

Instrument :

MSVOA_U

ClientSampleId :

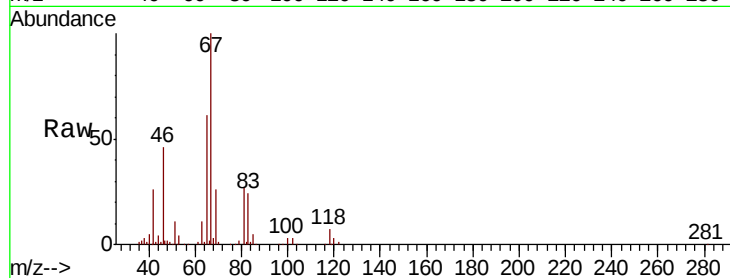
Tot Ion: 83 Resp: 33297

Ion Ratio Lower Upper

83 100

55 0.4 62.1 93.1#

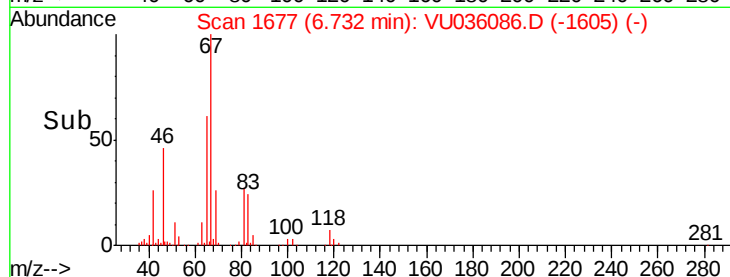
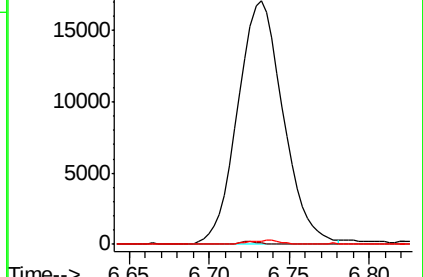
98 1.2 37.0 55.4#



Abundance Ion 83.15 (82.85 to 83.85): VU036073.D (-1686) (-)

Ion 55.10 (54.80 to 55.80): VU036073.D (-1686) (-)

Ion 98.15 (97.85 to 98.85): VU036073.D (-1686) (-)



#37

1,2-Dichloropropane

Concen: 0.574 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.10 min

Lab File: VU036086.D

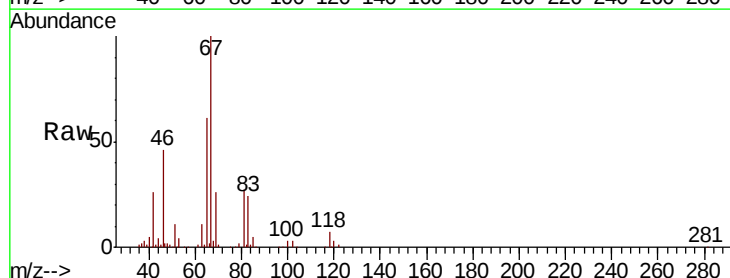
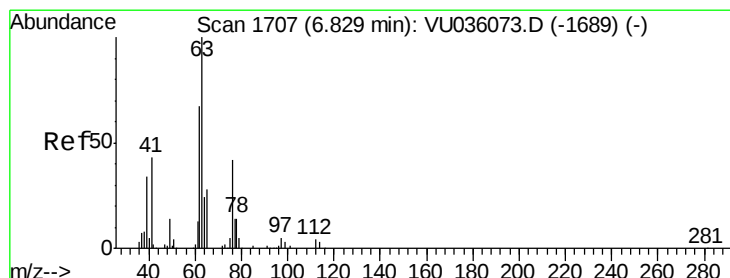
Acq: 10 Dec 2019 15:53

Tgt Ion: 63 Resp: 14519

Ion Ratio Lower Upper

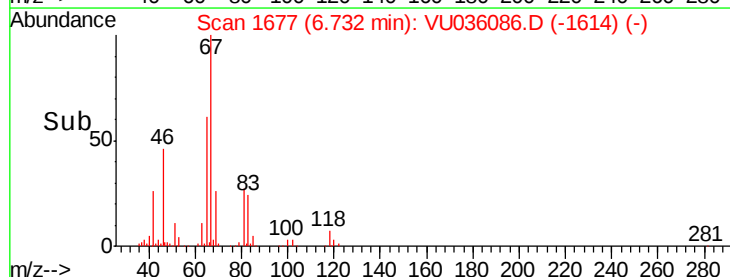
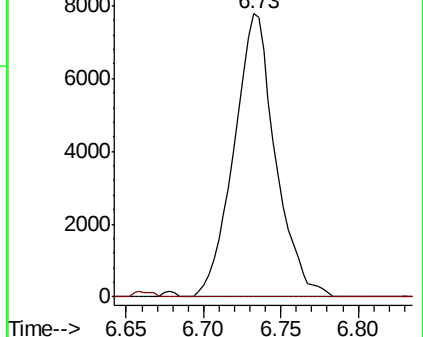
63 100

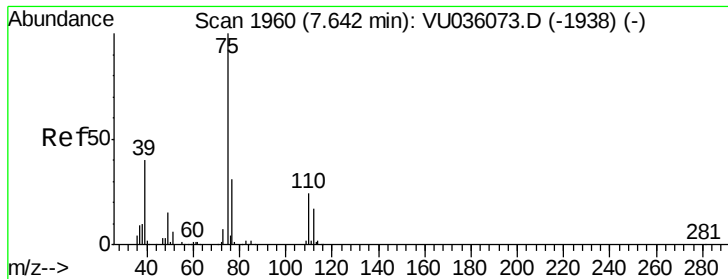
112 0.8 3.8 5.8#



Abundance Ion 63.10 (62.80 to 63.80): VU036073.D (-1689) (-)

Ion 112.10 (111.80 to 112.80): VU036073.D (-1689) (-)

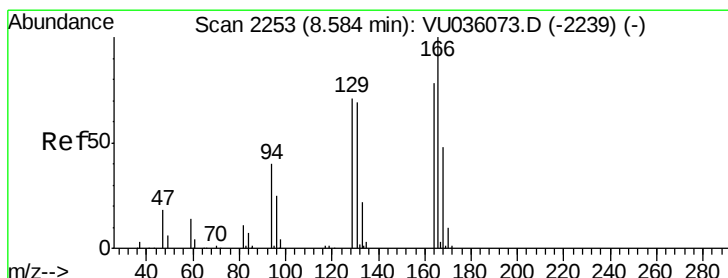
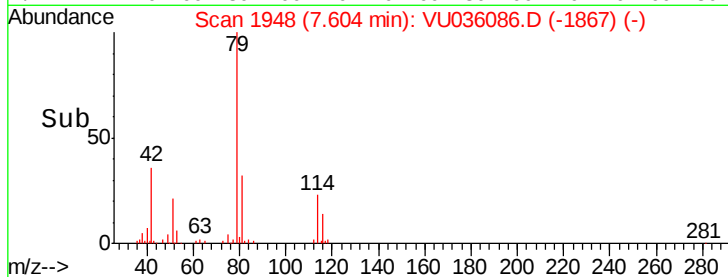
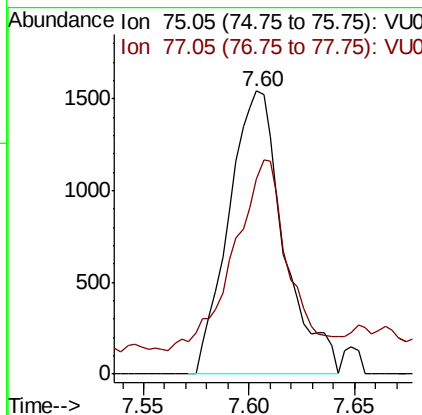
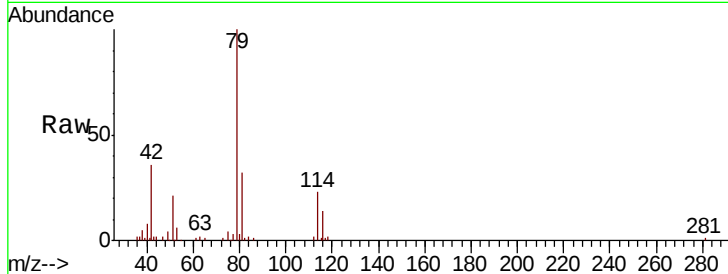




#39
 cis-1,3-Dichloropropene
 Concen: 0.081 ug/L
 RT: 7.60 min Scan# 1948
 Delta R.T. -0.04 min
 Lab File: VU036086.D
 Acq: 10 Dec 2019 15:53

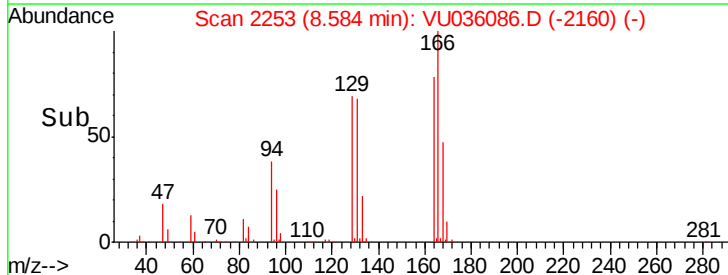
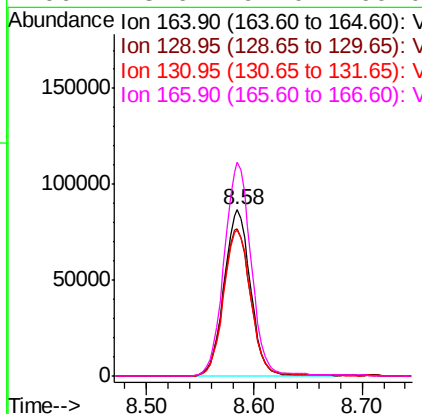
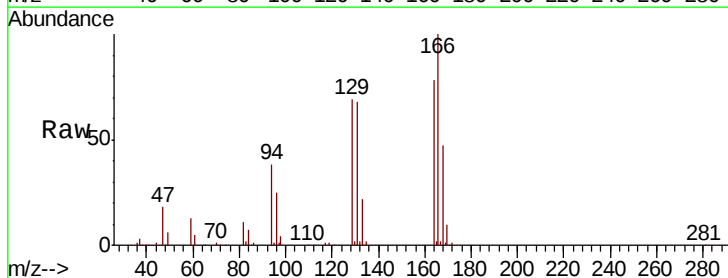
Instrument :
 MSVOA_U
 ClientSampleId :

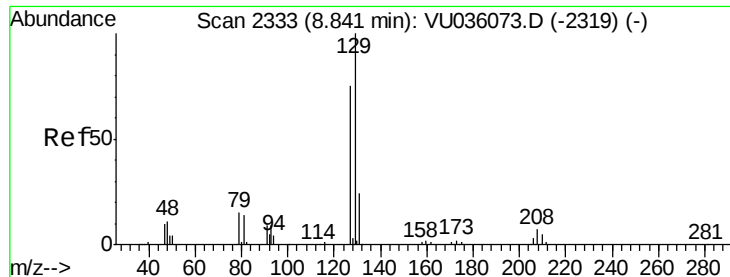
Tot Ion: 75 Resp: 2785
 Ion Ratio Lower Upper
 75 100
 77 68.7 21.7 40.3#



#47
 Tetrachloroethene
 Concen: 5.860 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU036086.D
 Acq: 10 Dec 2019 15:53

Tgt Ion:164 Resp: 149145
 Ion Ratio Lower Upper
 164 100
 129 88.4 63.1 117.3
 131 87.7 61.5 114.1
 166 128.6 91.0 169.0

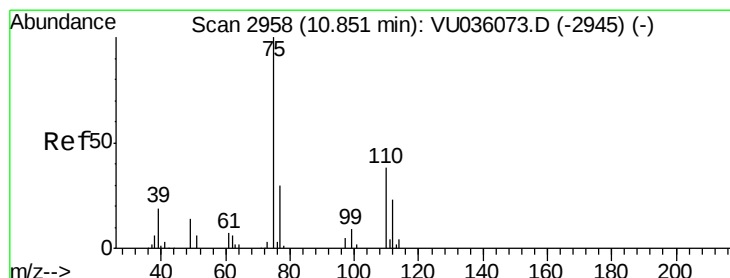
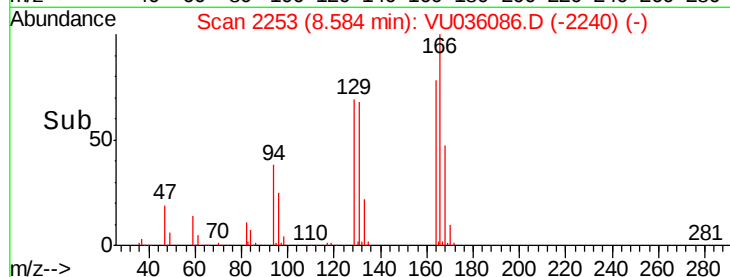
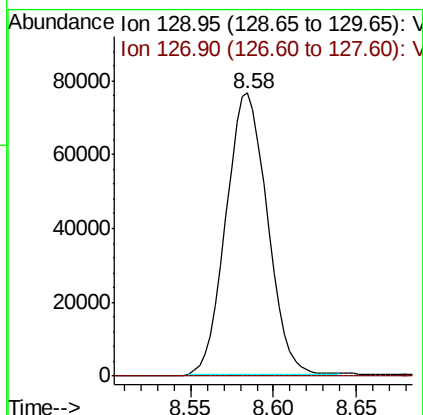
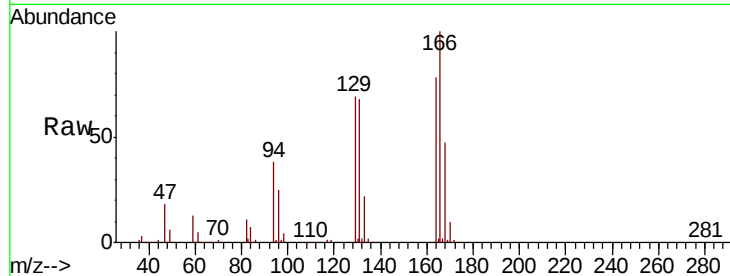




#49
 Dibromochloromethane
 Concen: 4.951 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.26 min
 Lab File: VU036086.D
 Acq: 10 Dec 2019 15:53

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:129 Resp: 130861
 Ion Ratio Lower Upper
 129 100
 127 0.0 52.5 97.5#



#59
 1,2,3-Trichloropropane
 Concen: 0.744 ug/L
 RT: 11.84 min Scan# 3265
 Delta R.T. 0.99 min
 Lab File: VU036086.D
 Acq: 10 Dec 2019 15:53

Tgt Ion: 75 Resp: 13460
 Ion Ratio Lower Upper
 75 100
 77 38.6 26.7 40.1

