

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120219\
 Data File : VU035936.D
 Acq On : 02 Dec 2019 16:09
 Operator : JC/SP
 Sample : K6056-14 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 02 18:14:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Dec 02 18:11:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	227410	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	272775	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	102972	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	189648	6.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	127.60%
7) Chloroethane-d5	1.93	69	149387	5.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	116.20%
11) 1,1-Dichloroethene-d2	2.59	63	203954	3.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.80%
20) 2-Butanone-d5	4.70	46	319969	46.54	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.08%
24) Chloroform-d	5.11	84	246434	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	5.75	65	137174	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
32) Benzene-d6	5.77	84	490011	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
36) 1,2-Dichloropropane-d6	6.73	67	158073	4.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.20%
41) Toluene-d8	7.93	98	401962	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.80%
43) trans-1,3-Dichloropropene-	8.21	79	57092	4.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.60%
46) 2-Hexanone-d5	8.68	63	251655	45.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.76%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	131396	4.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	121786	5.44	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.80%

Target Compounds

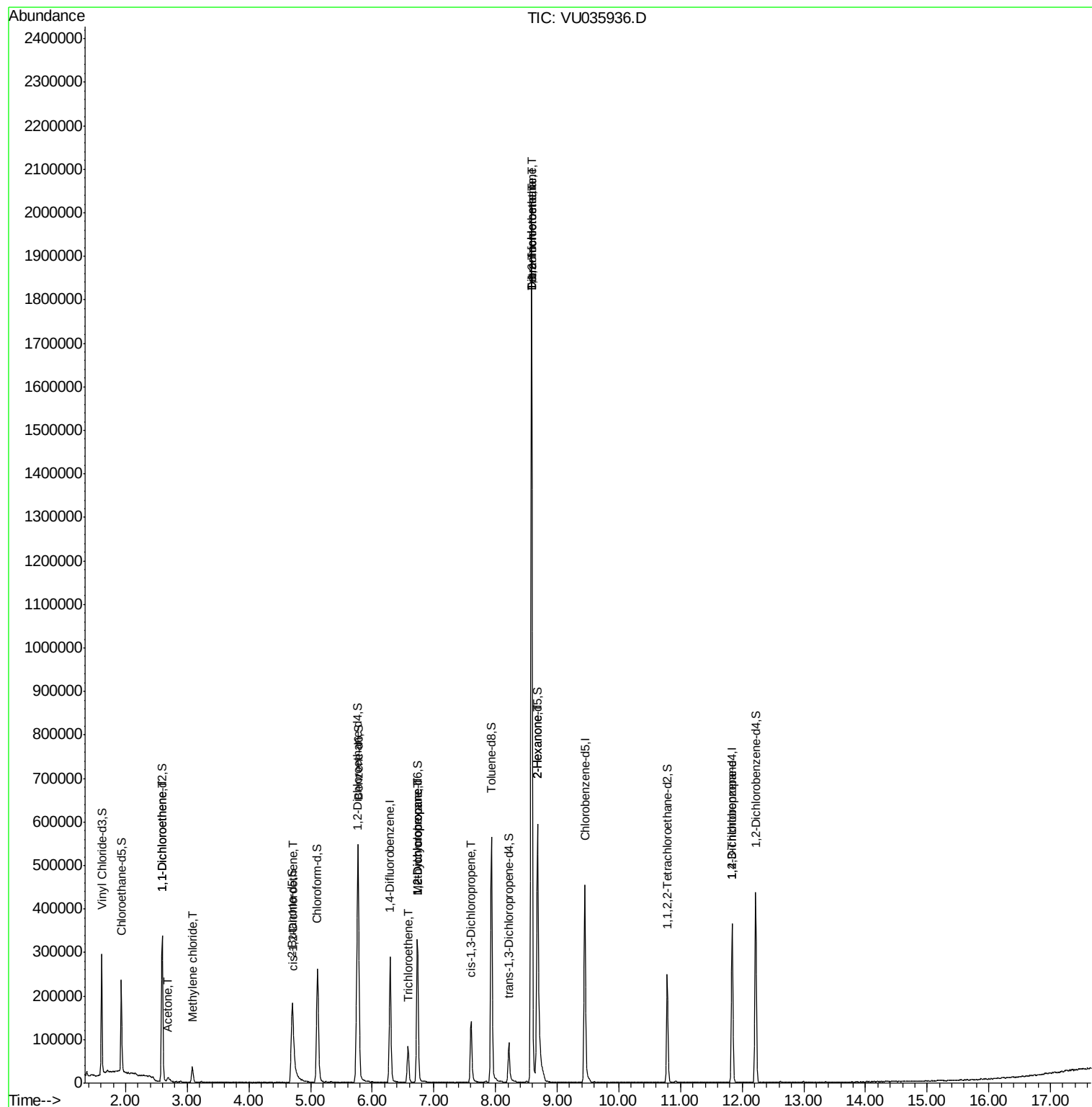
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.59	96	1736	0.073	ug/L #	1
13) Acetone	2.69	43	15563	2.577	ug/L	95
16) Methylene chloride	3.08	84	17400	0.609	ug/L	90
22) cis-1,2-Dichloroethene	4.73	96	6279	0.242	ug/L	96
34) Trichloroethene	6.58	95	27640	0.990	ug/L	94
35) Methylcyclohexane	6.73	83	36668	0.895	ug/L #	14
37) 1,2-Dichloropropane	6.73	63	16888	0.523	ug/L #	91
39) cis-1,3-Dichloropropene	7.60	75	3938	0.094	ug/L #	31
45) 1,1,2-Trichloroethane	8.58	97	3856	0.183	ug/L #	1
47) Tetrachloroethene	8.58	164	462064	21.751	ug/L	98
48) 2-Hexanone	8.68	43	28906	1.980	ug/L #	73
49) Dibromochloromethane	8.58	129	424874	17.115	ug/L #	12
59) 1,2,3-Trichloropropane	11.84	75	13090	0.623	ug/L	95

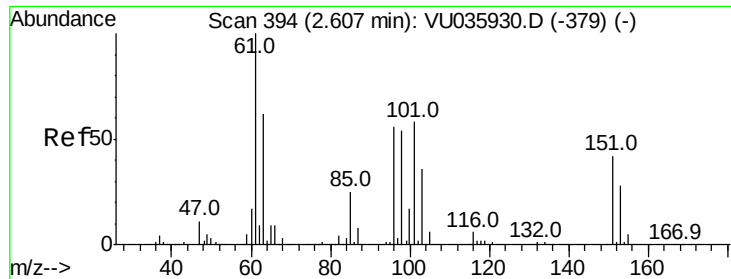
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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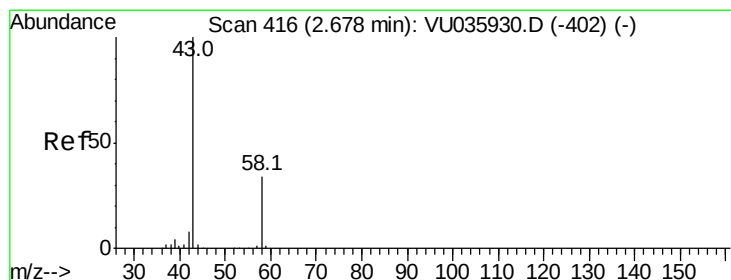
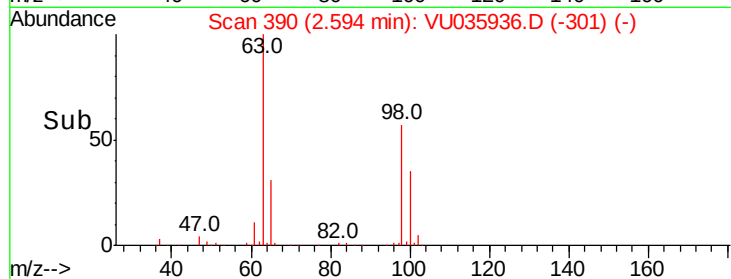
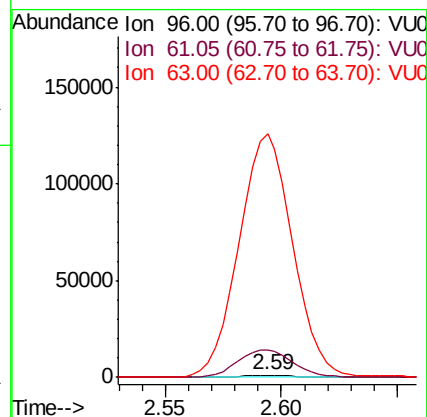
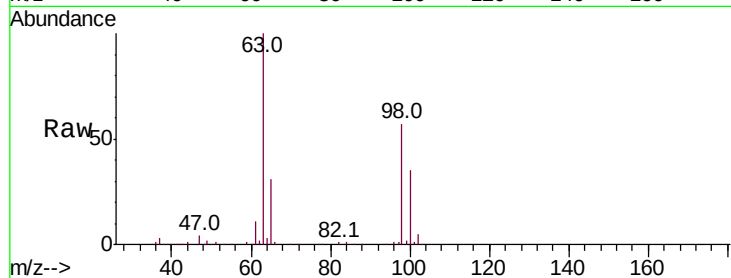




#12
 1,1-Dichloroethene
 Concen: 0.073 ug/L
 RT: 2.59 min Scan# 390
 Delta R.T. -0.01 min
 Lab File: VU035936.D
 Acq: 02 Dec 2019 16:09

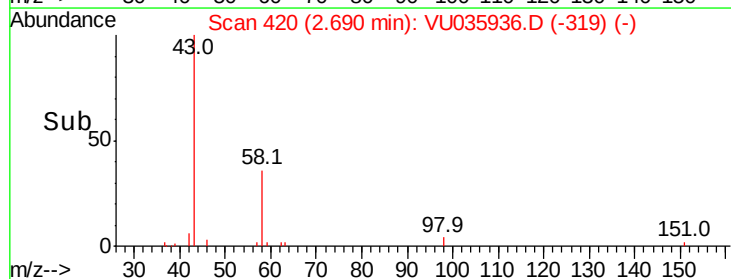
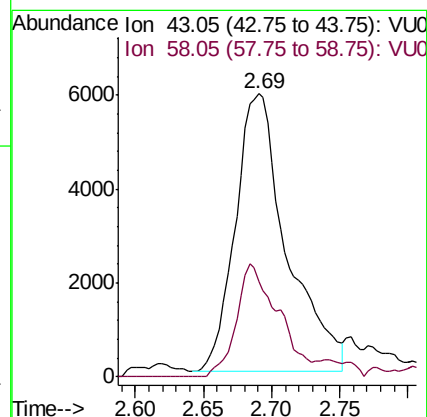
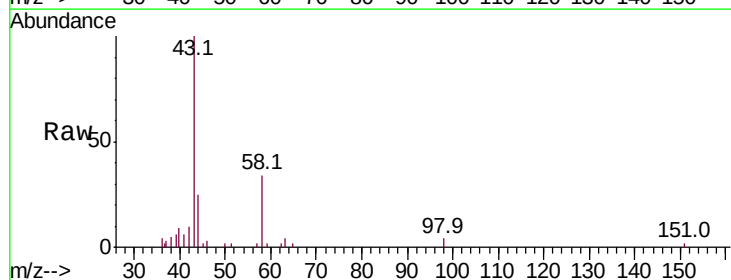
Instrument :
 MSVOA_U
 ClientSampled :

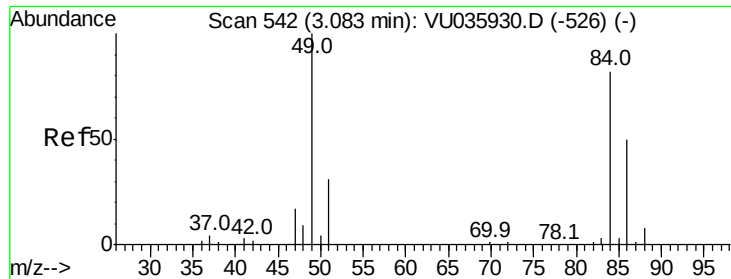
Tot Ion: 96 Resp: 1736
 Ion Ratio Lower Upper
 96 100
 61 1259.1 139.3 258.7#
 63 11265.9 93.7 174.1#



#13
 Acetone
 Concen: 2.577 ug/L
 RT: 2.69 min Scan# 420
 Delta R.T. 0.03 min
 Lab File: VU035936.D
 Acq: 02 Dec 2019 16:09

Tgt Ion: 43 Resp: 15563
 Ion Ratio Lower Upper
 43 100
 58 33.3 0.0 61.2

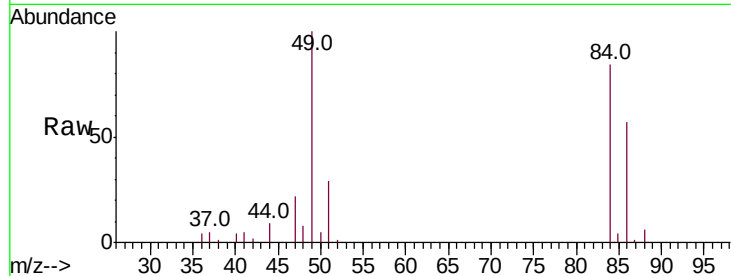




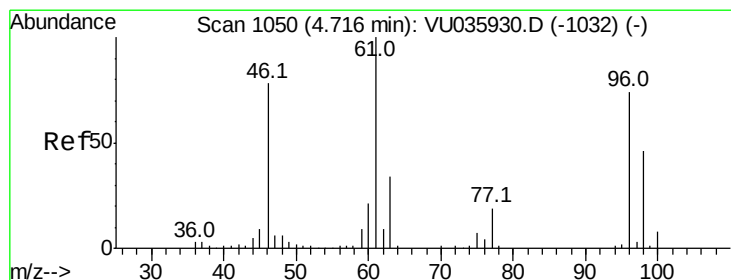
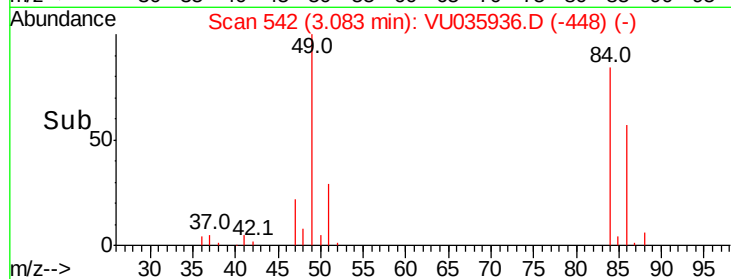
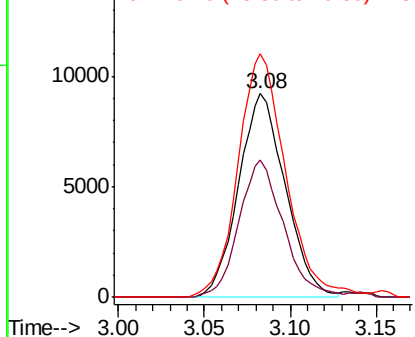
#16
Methylene chloride
Concen: 0.609 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU035936.D
Acq: 02 Dec 2019 16:09

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 84 Resp: 17400
Ion Ratio Lower Upper
84 100
86 67.6 44.4 82.5
49 119.6 94.0 174.6

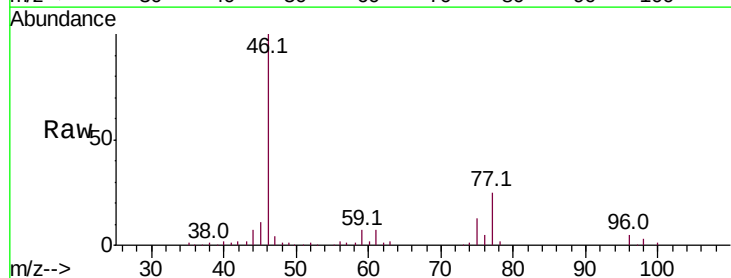


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

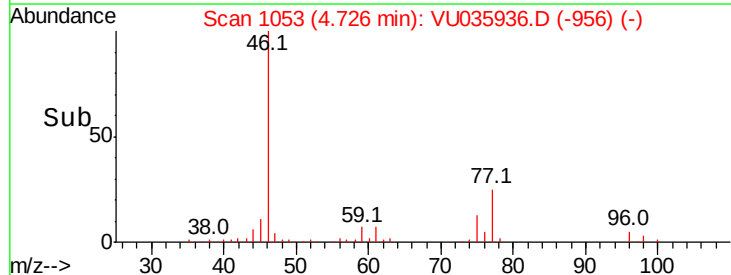
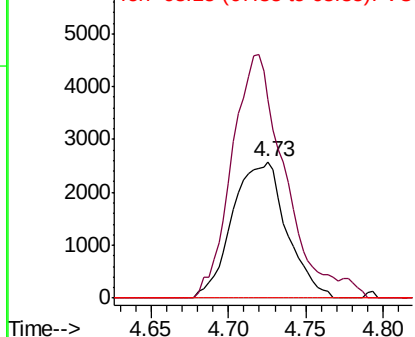


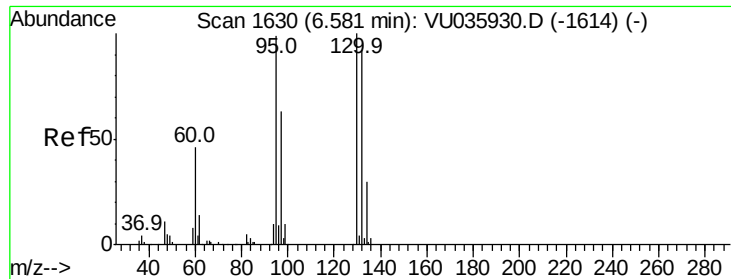
#22
cis-1,2-Dichloroethene
Concen: 0.242 ug/L
RT: 4.73 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VU035936.D
Acq: 02 Dec 2019 16:09

Tgt Ion: 96 Resp: 6279
Ion Ratio Lower Upper
96 100
61 145.6 98.1 182.1
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: 0.990 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU035936.D

Acq: 02 Dec 2019 16:09

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 95 Resp: 27640

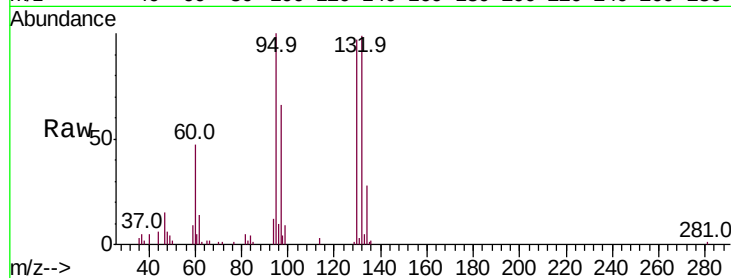
Ion Ratio Lower Upper

95 100

97 66.1 45.1 83.9

132 98.8 61.9 114.9

130 97.4 66.3 123.1

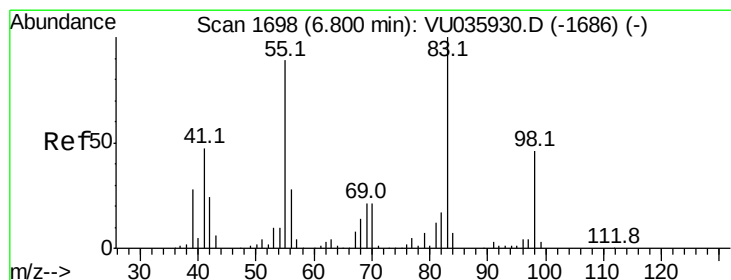
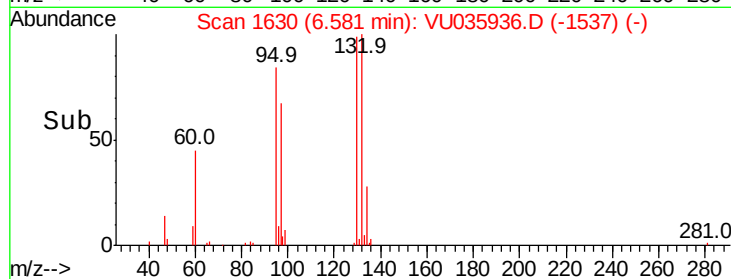
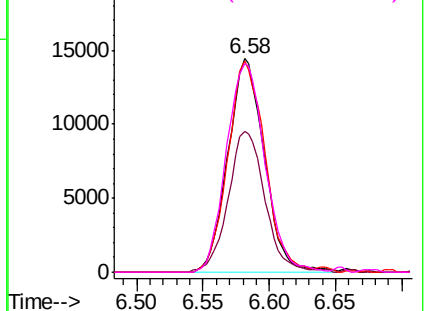


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.895 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.07 min

Lab File: VU035936.D

Acq: 02 Dec 2019 16:09

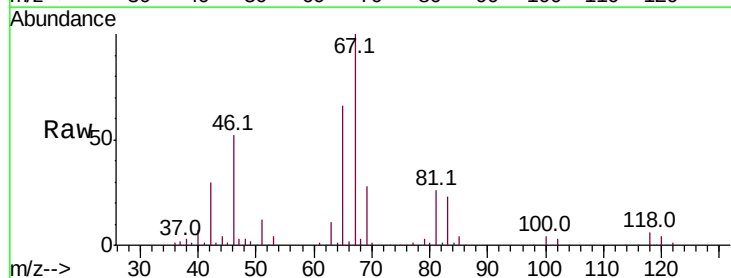
Tgt Ion: 83 Resp: 36668

Ion Ratio Lower Upper

83 100

55 0.1 72.7 109.1#

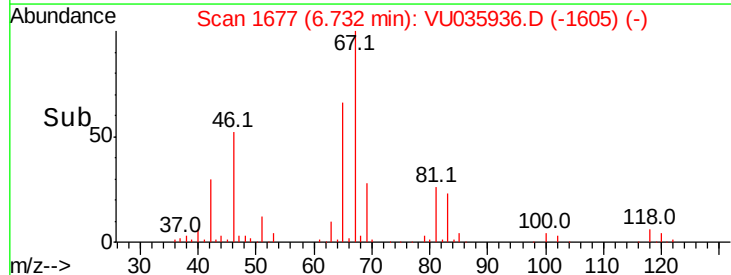
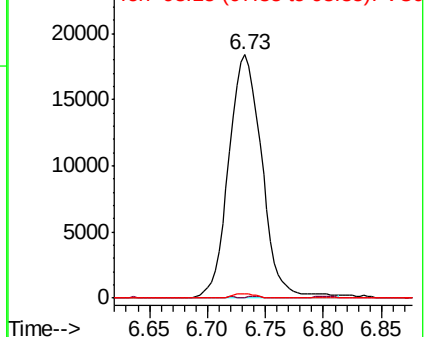
98 1.2 36.2 54.4#

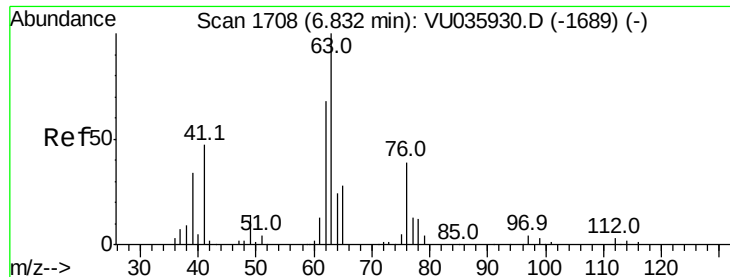


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

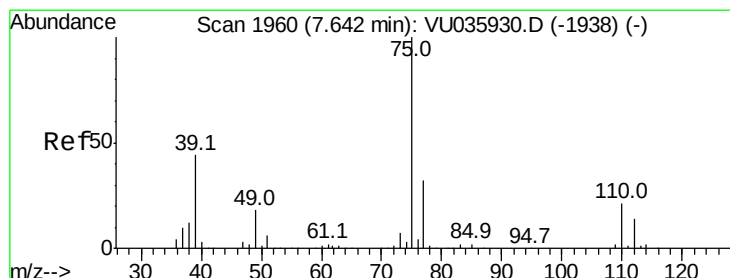
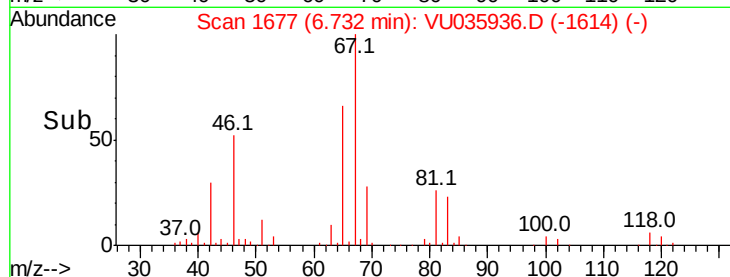
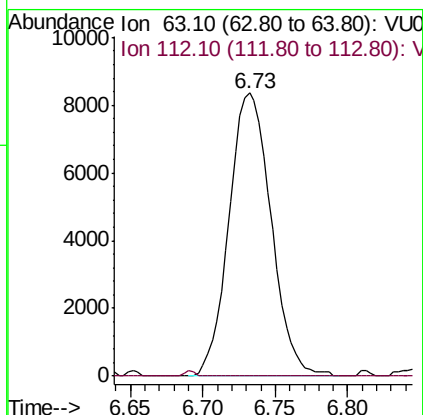
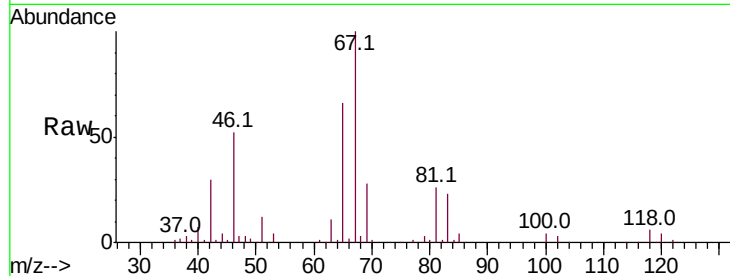




#37
 1,2-Dichloropropane
 Concen: 0.523 ug/L
 RT: 6.73 min Scan# 1677
 Delta R.T. -0.10 min
 Lab File: VU035936.D
 Acq: 02 Dec 2019 16:09

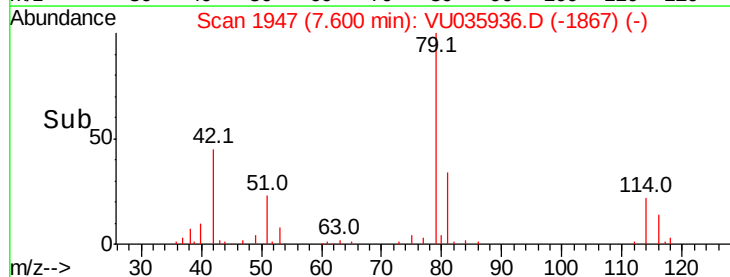
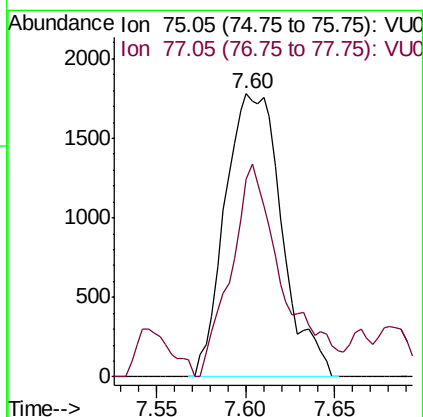
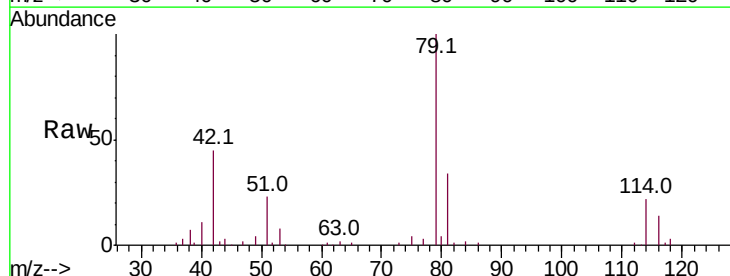
Instrument :
 MSVOA_U
 ClientSampled :

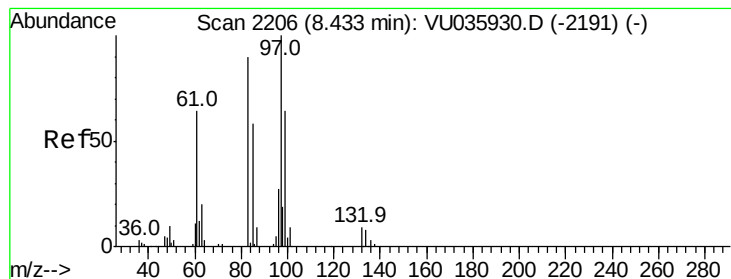
Tot Ion: 63 Resp: 16888
 Ion Ratio Lower Upper
 63 100
 112 0.4 2.7 4.1#



#39
 cis-1,3-Dichloropropene
 Concen: 0.094 ug/L
 RT: 7.60 min Scan# 1947
 Delta R.T. -0.04 min
 Lab File: VU035936.D
 Acq: 02 Dec 2019 16:09

Tgt Ion: 75 Resp: 3938
 Ion Ratio Lower Upper
 75 100
 77 69.8 22.1 41.1#





#45

1,1,2-Trichloroethane

Concen: 0.183 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.15 min

Lab File: VU035936.D

Acq: 02 Dec 2019 16:09

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 97 Resp: 3856

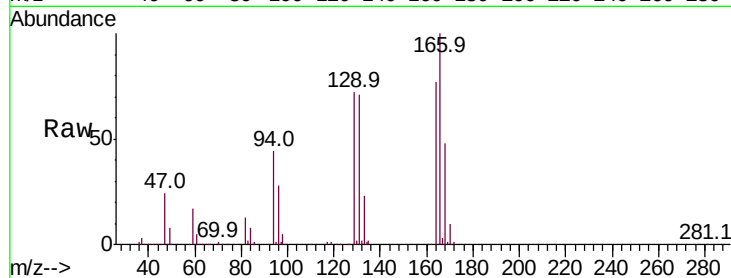
Ion Ratio Lower Upper

97 100

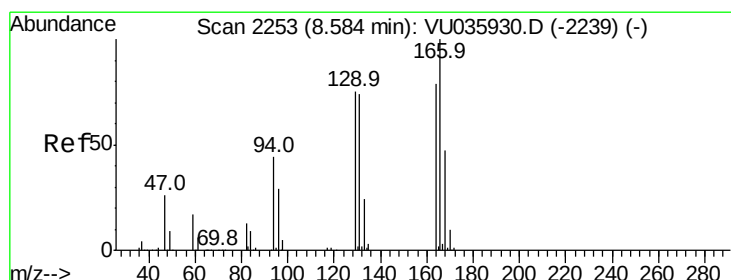
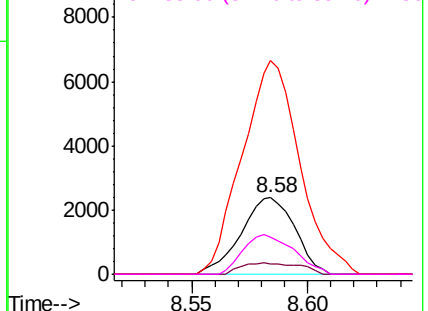
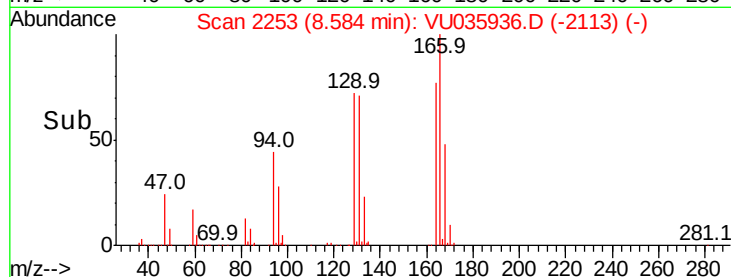
99 14.0 44.2 82.0#

83 280.2 62.2 115.6#

85 49.2 41.5 77.1



Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 21.751 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU035936.D

Acq: 02 Dec 2019 16:09

Tgt Ion:164 Resp: 462064

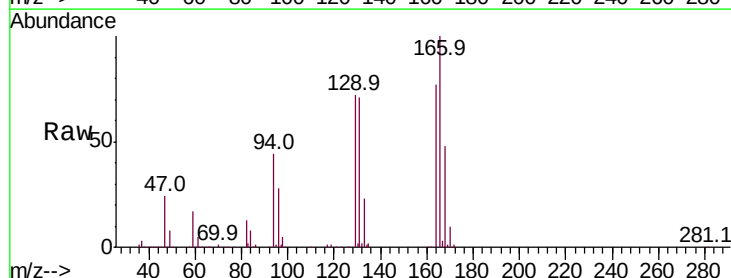
Ion Ratio Lower Upper

164 100

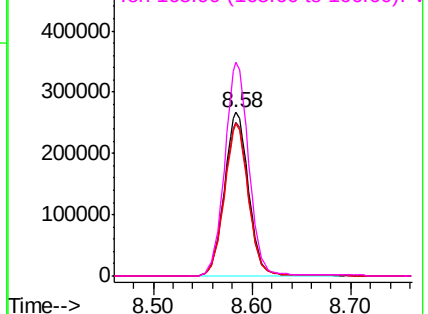
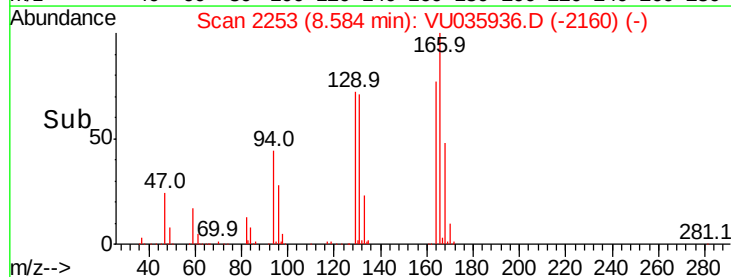
129 94.0 68.8 127.8

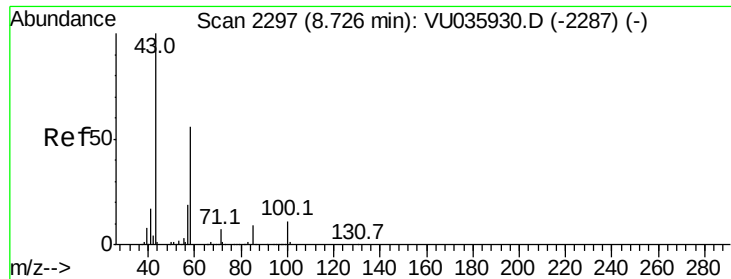
131 92.8 67.3 124.9

166 130.4 91.6 170.2



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

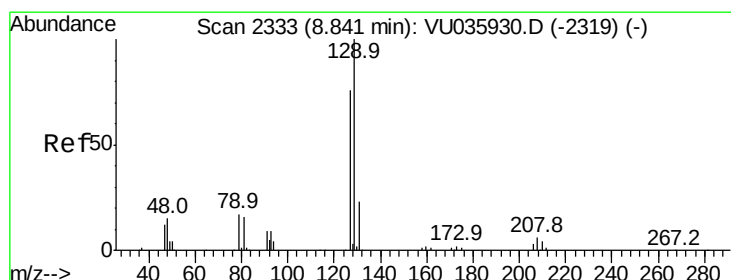
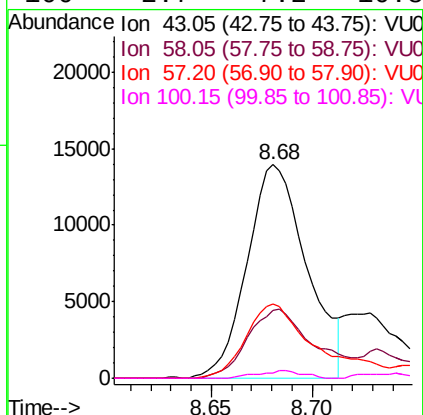
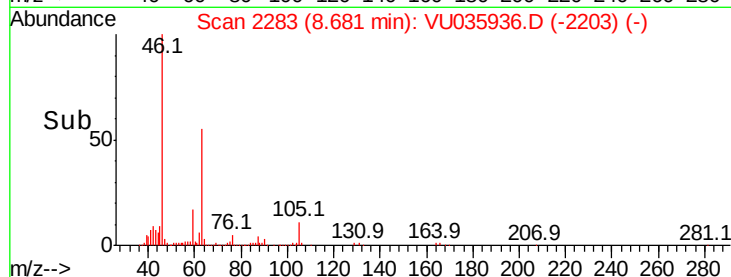
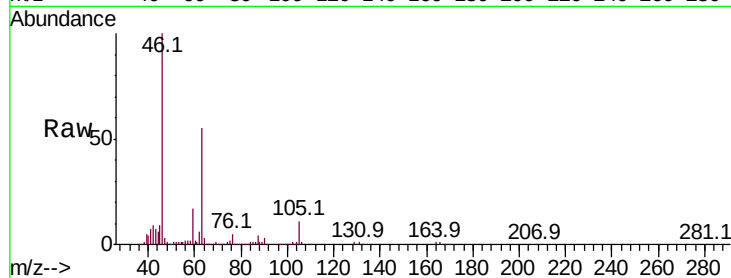




#48
2-Hexanone
Concen: 1.980 ug/L
RT: 8.68 min Scan# 2283
Delta R.T. -0.04 min
Lab File: VU035936.D
Acq: 02 Dec 2019 16:09

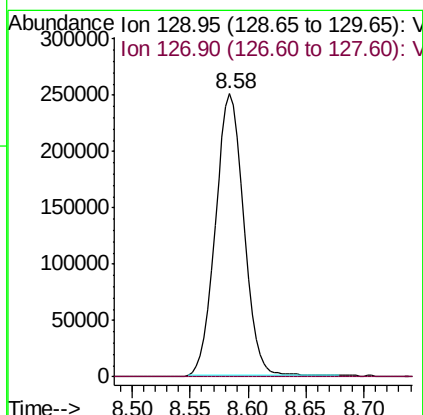
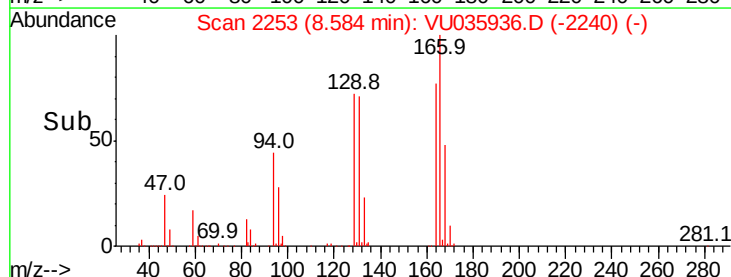
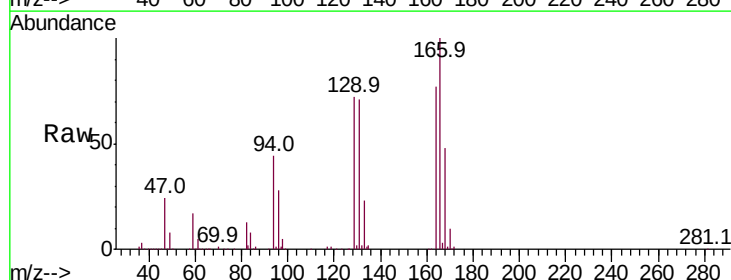
Instrument :
MSVOA_U
ClientSampleId :

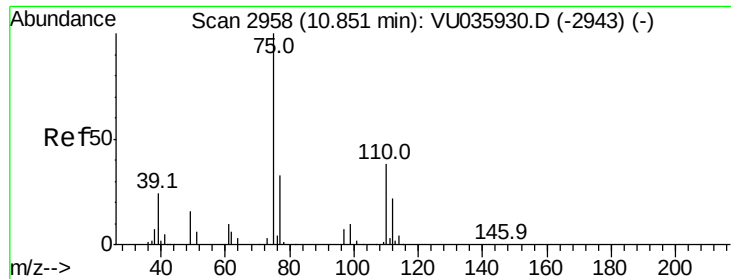
Tot Ion: 43 Resp: 28906
Ion Ratio Lower Upper
43 100
58 36.4 39.8 59.8#
57 40.7 14.0 21.0#
100 2.7 7.2 10.8#



#49
Dibromochloromethane
Concen: 17.115 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.26 min
Lab File: VU035936.D
Acq: 02 Dec 2019 16:09

Tgt Ion: 129 Resp: 424874
Ion Ratio Lower Upper
129 100
127 0.1 53.1 98.5#





#59

1,2,3-Trichloropropane

Concen: 0.623 ug/L

RT: 11.84 min Scan# 3265

Delta R.T. 0.99 min

Lab File: VU035936.D

Acq: 02 Dec 2019 16:09

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 13090

Ion Ratio Lower Upper

75 100

77 34.4 25.4 38.2

