

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121019\
 Data File : VU036084.D
 Acq On : 10 Dec 2019 15:04
 Operator : JC/MD
 Sample : K6105-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 11 06:31:33 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	305232	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	339922	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	110216	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	148668	5.47	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	109.40%
7) Chloroethane-d5	1.93	69	134324	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.00%
11) 1,1-Dichloroethene-d2	2.59	63	159207	3.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.00%
20) 2-Butanone-d5	4.70	46	292588	63.11	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	126.22%
24) Chloroform-d	5.11	84	232214	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.20%
26) 1,2-Dichloroethane-d4	5.75	65	124973	5.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.40%
32) Benzene-d6	5.77	84	453726	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.40%
36) 1,2-Dichloropropane-d6	6.73	67	145020	5.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.80%
41) Toluene-d8	7.93	98	361742	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
43) trans-1,3-Dichloropropene-	8.21	79	51147	4.73	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.60%
46) 2-Hexanone-d5	8.68	63	236269	60.38	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.76%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	131172	5.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	122446	5.77	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.40%

Target Compounds

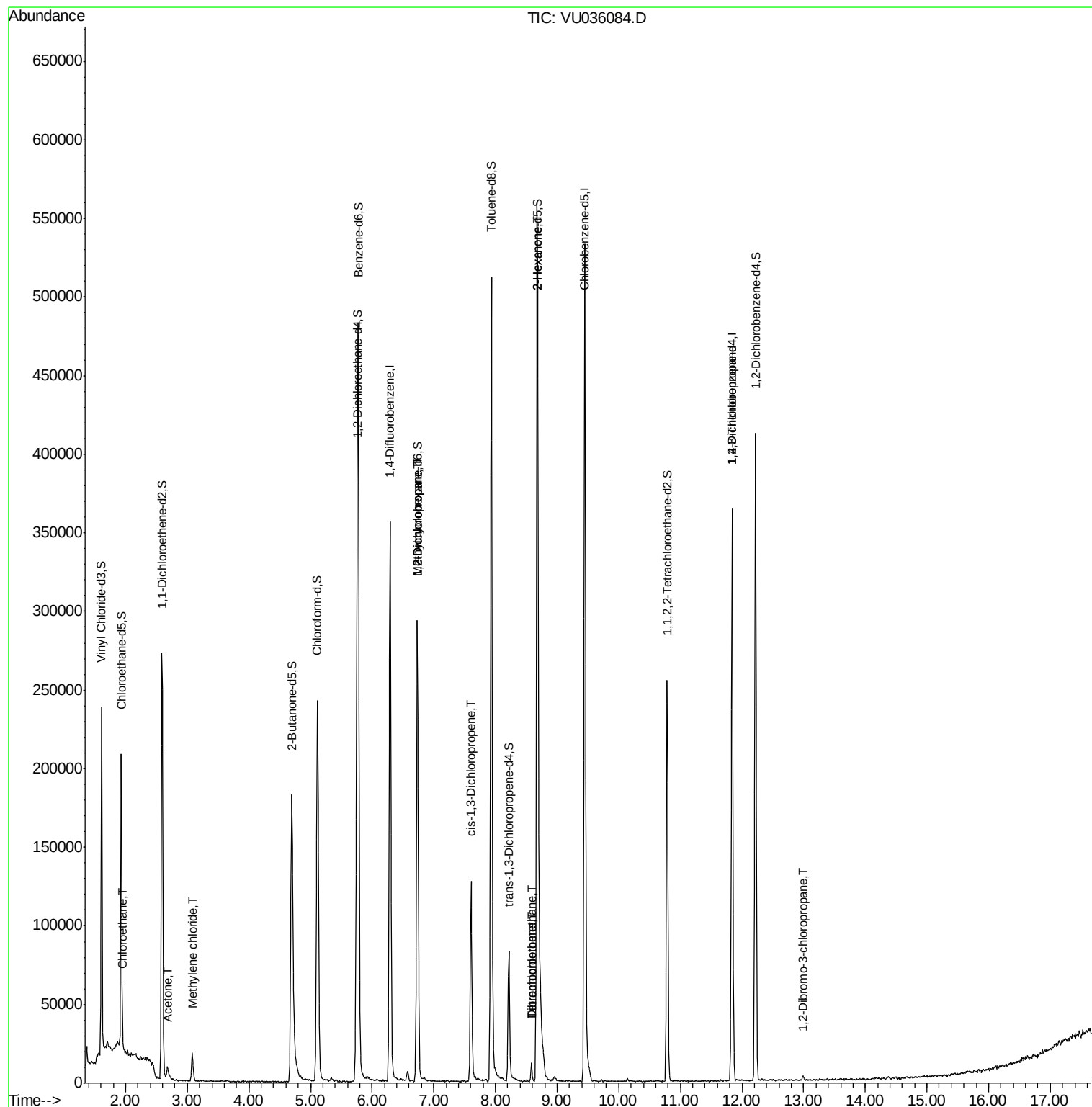
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.96	64	1634	0.070	ug/L #	56
13) Acetone	2.68	43	9781	1.662	ug/L	88
16) Methylene chloride	3.08	84	8996	0.292	ug/L	91
35) Methylcyclohexane	6.73	83	34738	1.050	ug/L #	18
37) 1,2-Dichloropropane	6.73	63	15326	0.658	ug/L #	87
39) cis-1,3-Dichloropropene	7.61	75	3417	0.108	ug/L #	46
47) Tetrachloroethene	8.58	164	2602	0.111	ug/L	91
48) 2-Hexanone	8.68	43	27698	3.172	ug/L #	70
49) Dibromochloromethane	8.58	129	2607	0.107	ug/L #	12
59) 1,2,3-Trichloropropane	11.84	75	12308	0.739	ug/L	93
66) 1,2-Dibromo-3-chloropropan	13.00	75	412	0.184	ug/L #	1

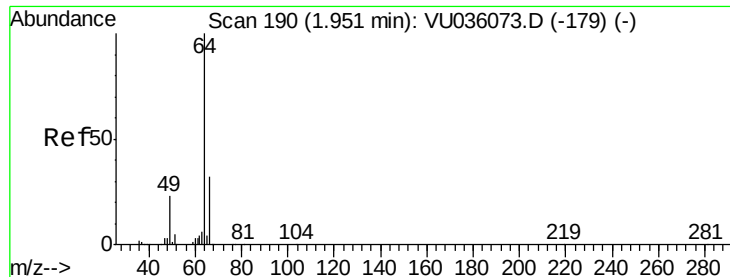
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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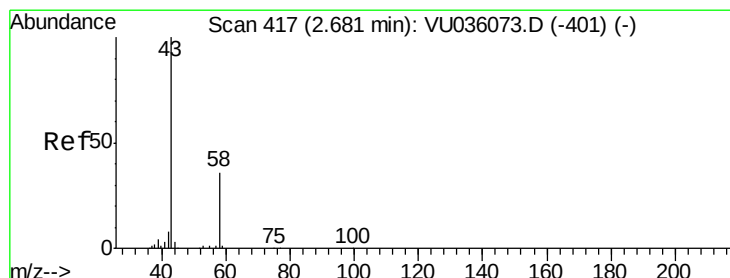
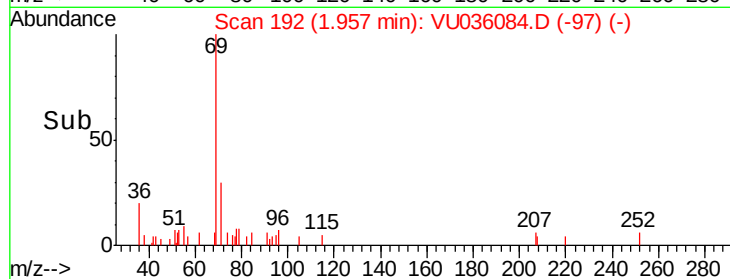
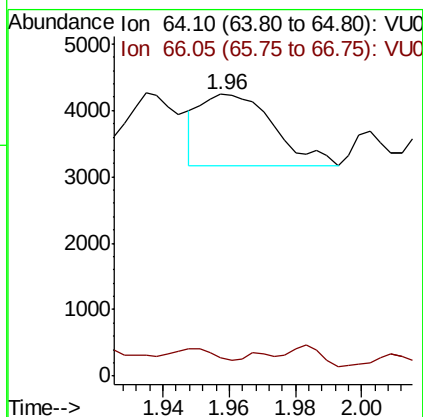
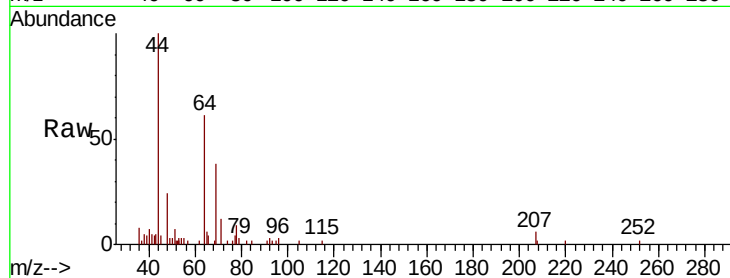




#8
Chloroethane
Concen: 0.070 ug/L
RT: 1.96 min Scan# 192
Delta R.T. 0.01 min
Lab File: VU036084.D
Acq: 10 Dec 2019 15:04

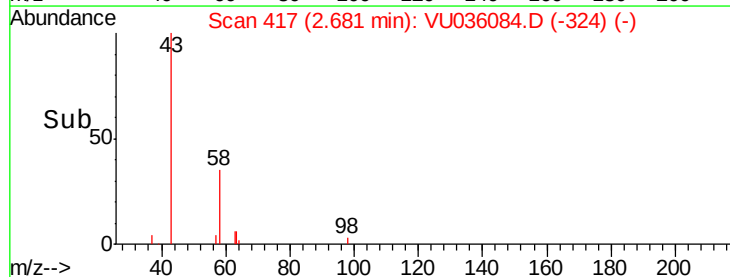
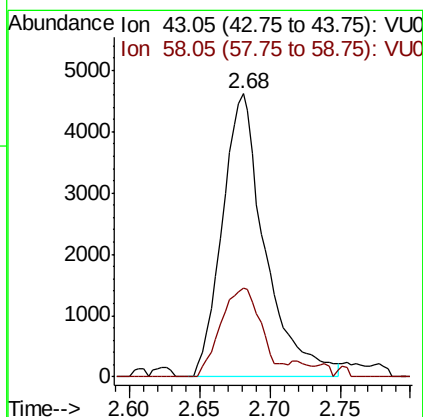
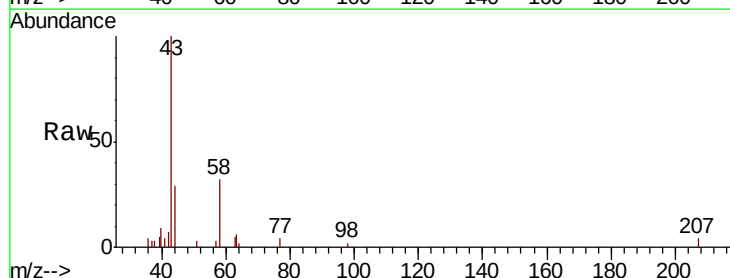
Instrument :
MSVOA_U
ClientSampleId :

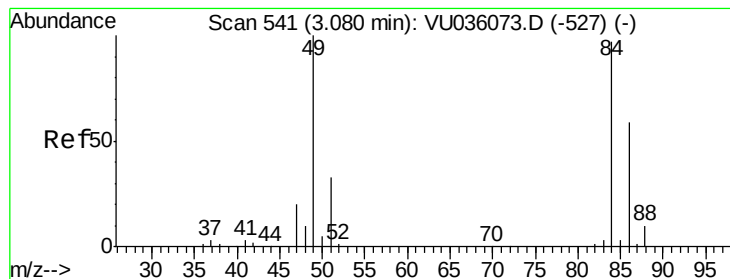
Tot Ion: 64 Resp: 1634
Ion Ratio Lower Upper
64 100
66 6.6 21.5 39.9#



#13
Acetone
Concen: 1.662 ug/L
RT: 2.68 min Scan# 417
Delta R.T. 0.00 min
Lab File: VU036084.D
Acq: 10 Dec 2019 15:04

Tgt Ion: 43 Resp: 9781
Ion Ratio Lower Upper
43 100
58 29.7 0.0 74.2





#16

Methvlene chloride

Concen: 0.292 ug/L

RT: 3.08 min Scan# 541

Delta R.T. 0.00 min

Lab File: VU036084.D

Acq: 10 Dec 2019 15:04

Instrument :

MSVOA_U

ClientSampleId :

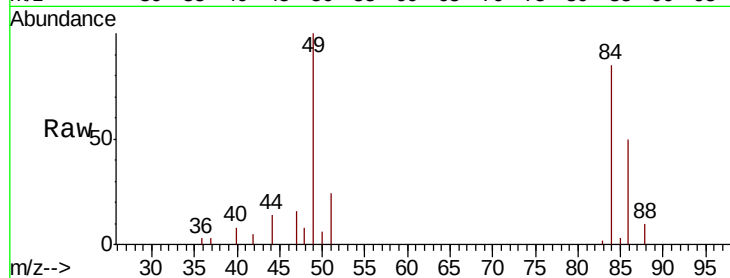
Tot Ion: 84 Resp: 8996

Ion Ratio Lower Upper

84 100

86 59.3 47.5 88.3

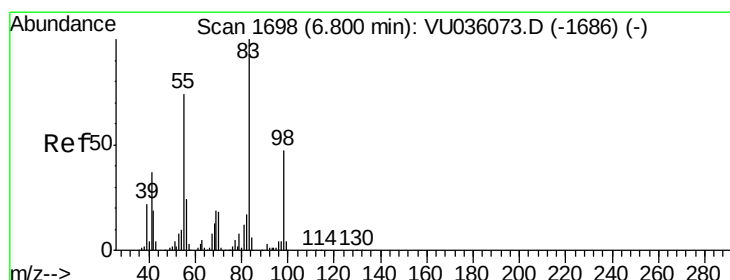
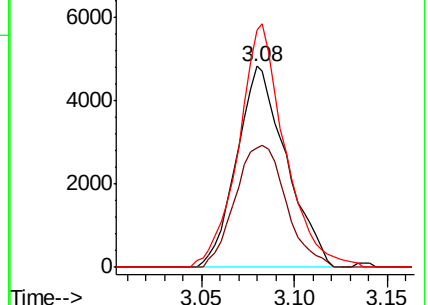
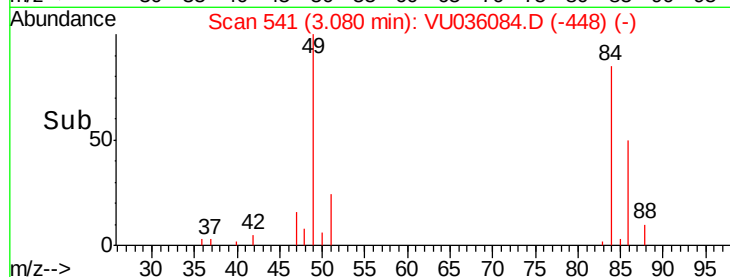
49 118.2 76.9 142.9



Abundance Ion 84.05 (83.75 to 84.75): VU036084.D (-448) (-)

Ion 86.00 (85.70 to 86.70): VU036084.D (-448) (-)

Ion 49.10 (48.80 to 49.80): VU036084.D (-448) (-)



#35

Methylcyclohexane

Concen: 1.050 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.07 min

Lab File: VU036084.D

Acq: 10 Dec 2019 15:04

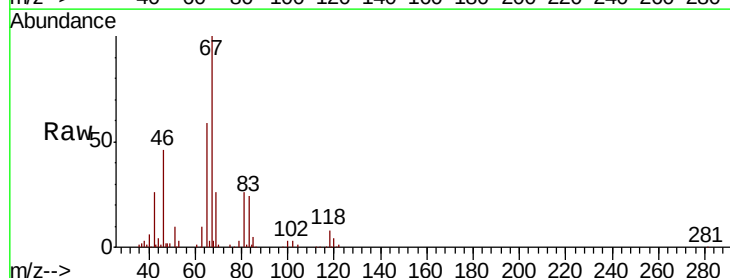
Tgt Ion: 83 Resp: 34738

Ion Ratio Lower Upper

83 100

55 0.1 62.1 93.1#

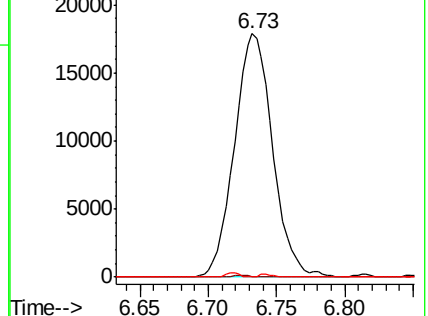
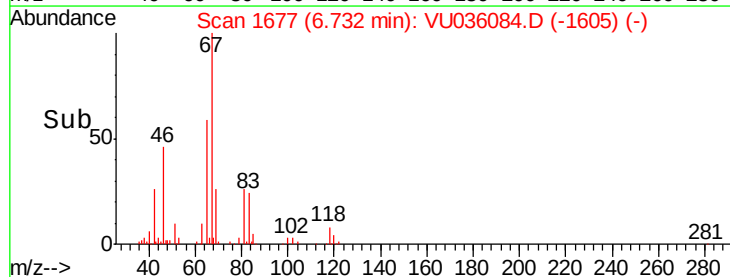
98 0.4 37.0 55.4#

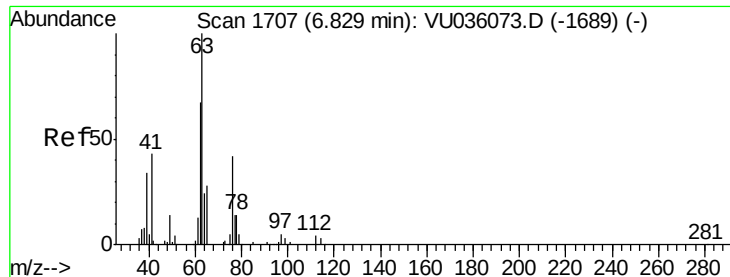


Abundance Ion 83.15 (82.85 to 83.85): VU036084.D (-1605) (-)

Ion 55.10 (54.80 to 55.80): VU036084.D (-1605) (-)

Ion 98.15 (97.85 to 98.85): VU036084.D (-1605) (-)

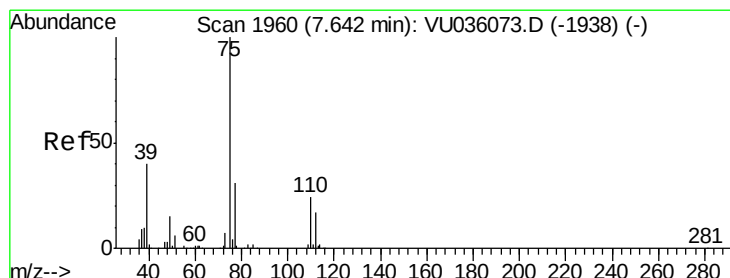
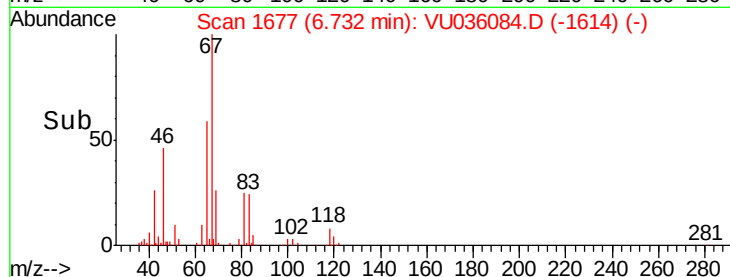
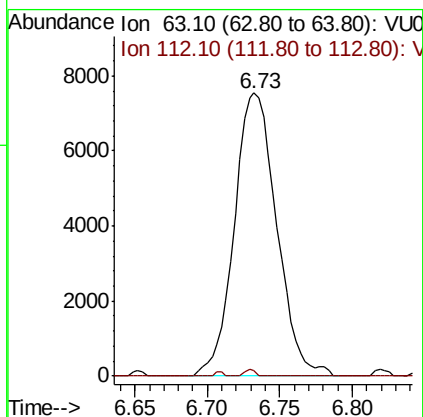
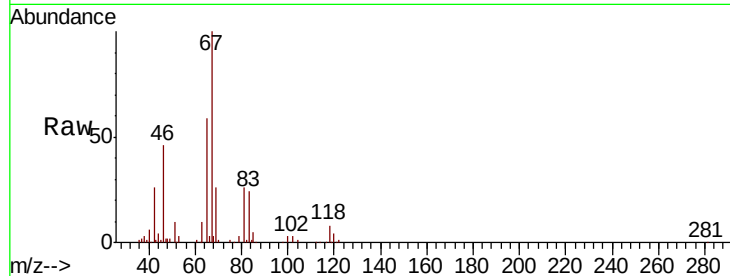




#37
 1,2-Dichloropropane
 Concen: 0.658 ug/L
 RT: 6.73 min Scan# 1677
 Delta R.T. -0.10 min
 Lab File: VU036084.D
 Acq: 10 Dec 2019 15:04

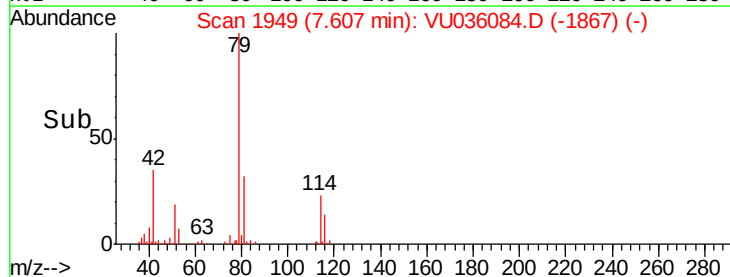
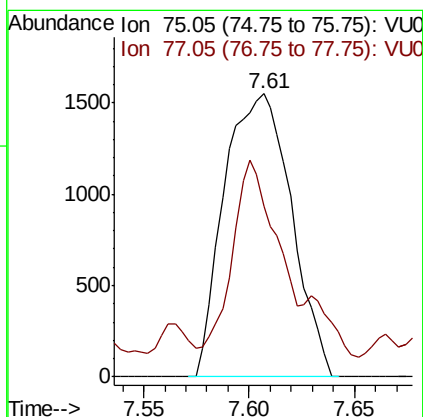
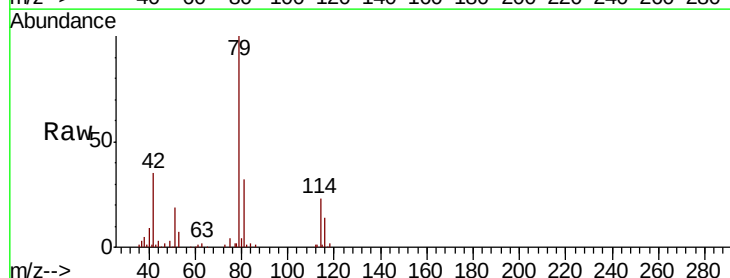
Instrument :
 MSVOA_U
 ClientSampleId :

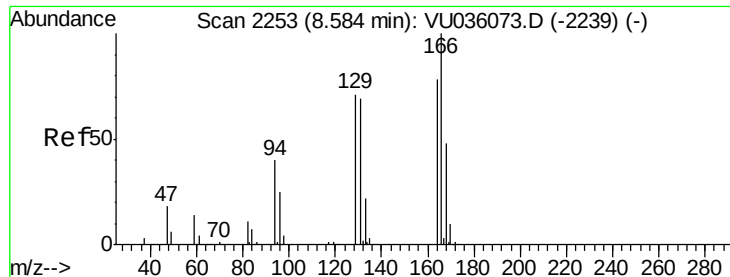
Tot Ion: 63 Resp: 15326
 Ion Ratio Lower Upper
 63 100
 112 0.6 3.8 5.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.108 ug/L
 RT: 7.61 min Scan# 1949
 Delta R.T. -0.04 min
 Lab File: VU036084.D
 Acq: 10 Dec 2019 15:04

Tgt Ion: 75 Resp: 3417
 Ion Ratio Lower Upper
 75 100
 77 60.5 21.7 40.3#





#47

Tetrachloroethene

Concen: 0.111 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU036084.D

Acq: 10 Dec 2019 15:04

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 2602

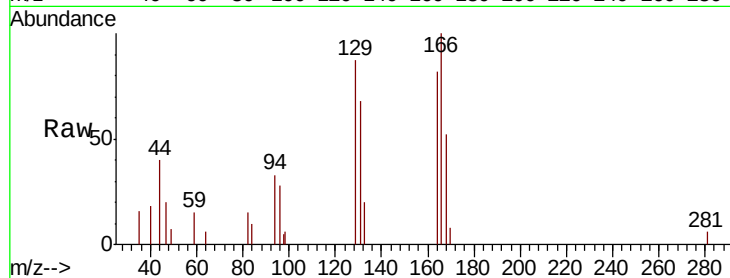
Ion Ratio Lower Upper

164 100

129 106.6 63.1 117.3

131 83.4 61.5 114.1

166 122.0 91.0 169.0

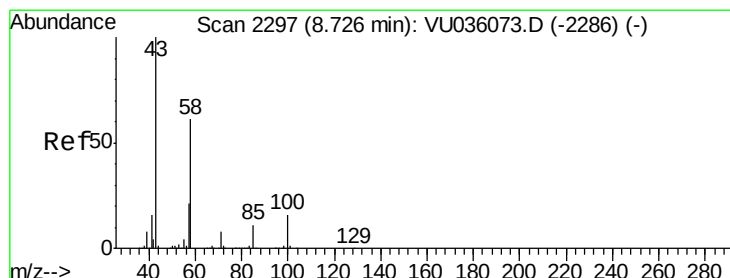
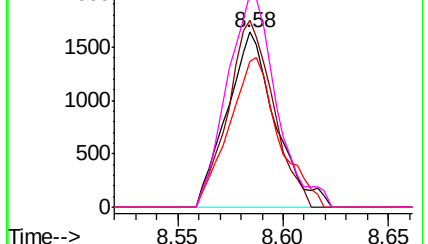
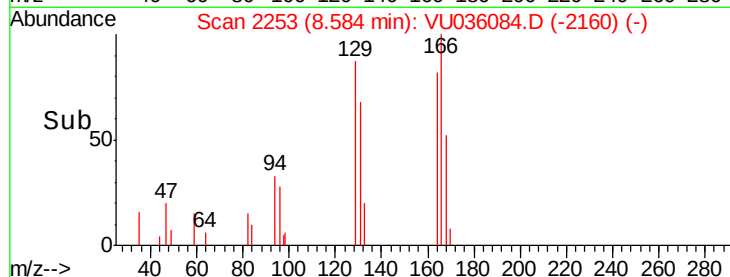


Abundance Ion 163.90 (163.60 to 164.60): V

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: 3.172 ug/L

RT: 8.68 min Scan# 2283

Delta R.T. -0.05 min

Lab File: VU036084.D

Acq: 10 Dec 2019 15:04

Tgt Ion: 43 Resp: 27698

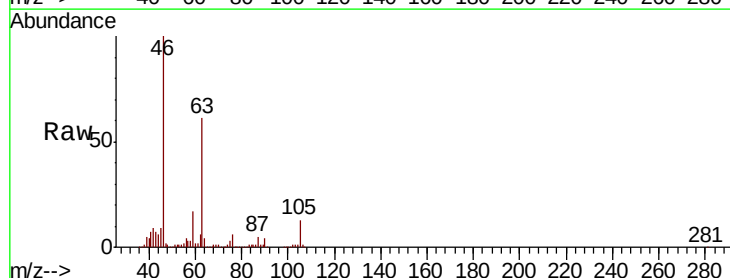
Ion Ratio Lower Upper

43 100

58 38.5 46.9 70.3#

57 39.4 16.4 24.6#

100 2.7 11.0 16.4#

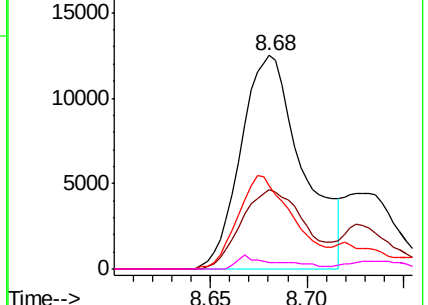
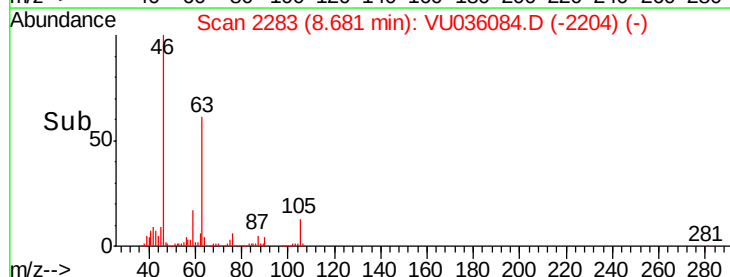


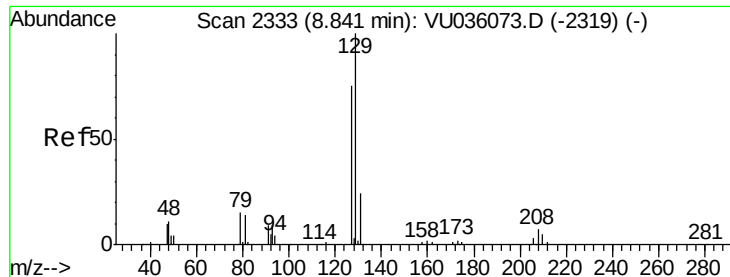
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 0.107 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.26 min

Lab File: VU036084.D

Acq: 10 Dec 2019 15:04

Instrument :

MSVOA_U

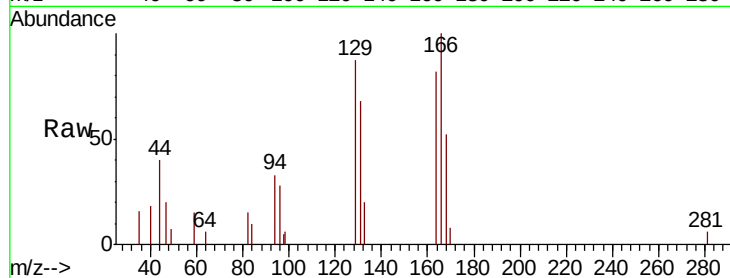
ClientSampled :

Tot Ion:129 Resp: 2607

Ion Ratio Lower Upper

129 100

127 0.0 52.5 97.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.58

2000

1500

1000

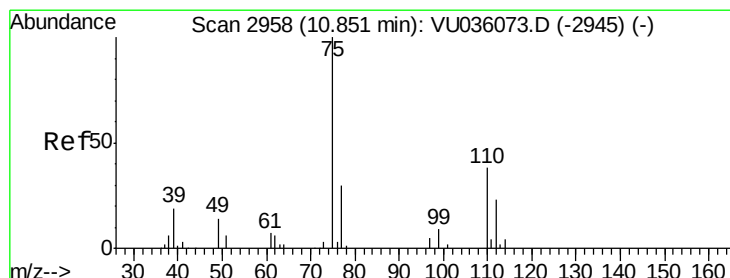
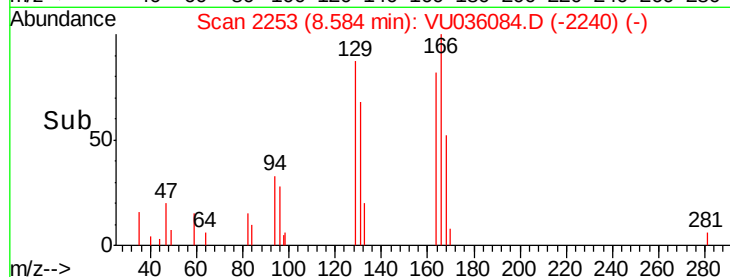
500

0

8.55

8.60

Time-->



#59

1,2,3-Trichloropropane

Concen: 0.739 ug/L

RT: 11.84 min Scan# 3265

Delta R.T. 0.99 min

Lab File: VU036084.D

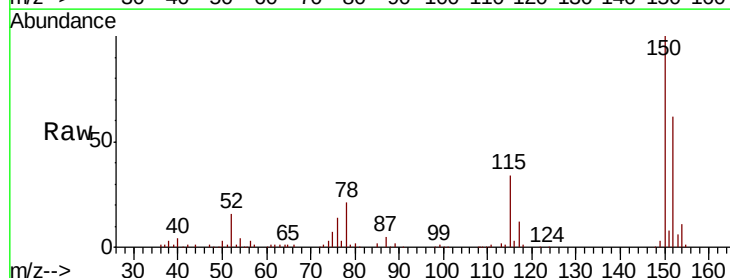
Acq: 10 Dec 2019 15:04

Tgt Ion: 75 Resp: 12308

Ion Ratio Lower Upper

75 100

77 37.5 26.7 40.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.84

8000

6000

4000

2000

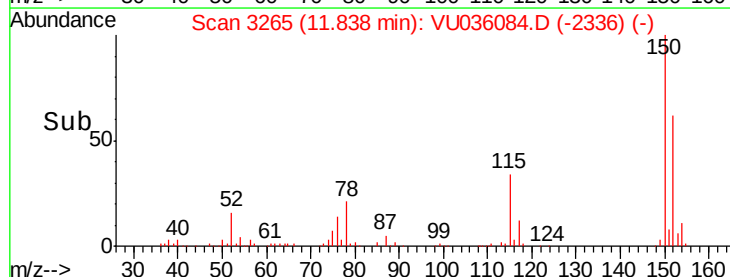
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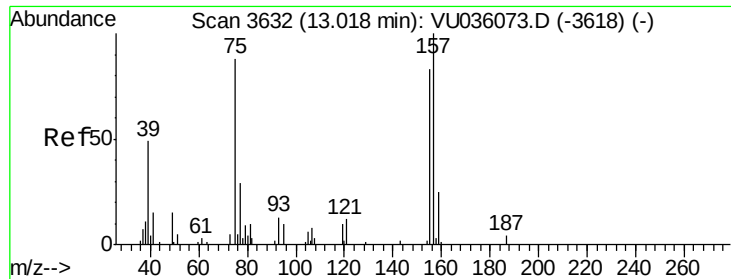
11.80

11.85

11.90

Time-->





#66

1,2-Dibromo-3-chloropropane

Concen: 0.184 ug/L

RT: 13.00 min Scan# 3625

Delta R.T. -0.02 min

Lab File: VU036084.D

Acq: 10 Dec 2019 15:04

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 412

Ion Ratio Lower Upper

75 100

155 0.0 70.0 105.0#

157 0.0 90.5 135.7#

