

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121019\
 Data File : VU036091.D
 Acq On : 10 Dec 2019 18:22
 Operator : JC/MD
 Sample : K6168-12
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 11 06:32:29 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	277910	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	311043	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	76941	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	128382	5.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.60%
7) Chloroethane-d5	1.93	69	116378	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.40%
11) 1,1-Dichloroethene-d2	2.59	63	146712	3.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.80%
20) 2-Butanone-d5	4.69	46	205847	48.77	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.54%
24) Chloroform-d	5.11	84	188557	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.75	65	102337	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
32) Benzene-d6	5.77	84	387654	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
36) 1,2-Dichloropropane-d6	6.73	67	125024	5.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.40%
41) Toluene-d8	7.93	98	319063	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.80%
43) trans-1,3-Dichloropropene-	8.22	79	43669	4.41	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.20%
46) 2-Hexanone-d5	8.70	63	157790	44.07	ug/L	0.03
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.14%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	99883	4.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	77725	5.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.00%

Target Compounds

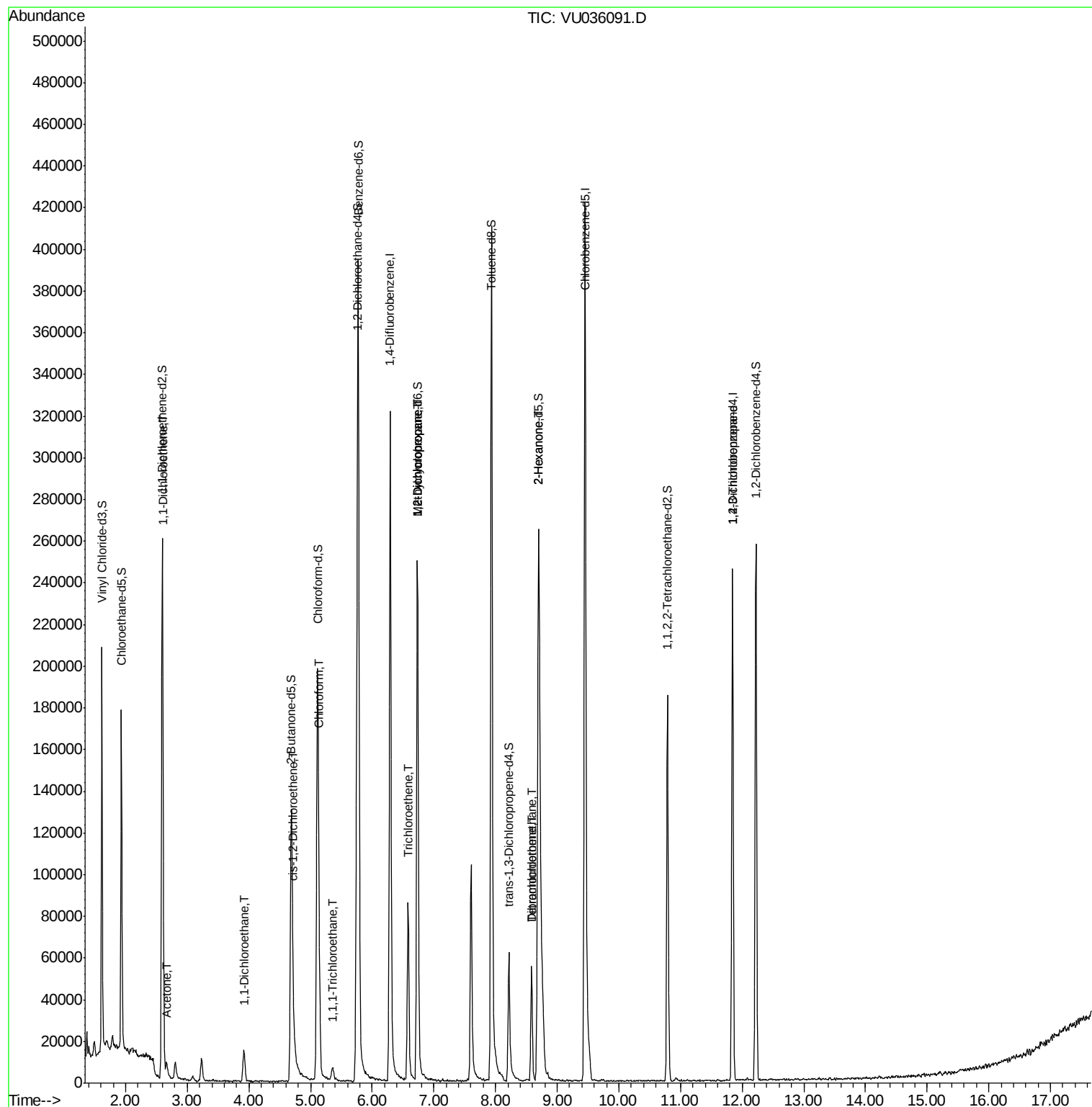
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.61	96	18470	0.764	ug/L #	1
13) Acetone	2.66	43	7723	1.441	ug/L	90
19) 1,1-Dichloroethane	3.92	63	18331	0.495	ug/L	97
22) cis-1,2-Dichloroethene	4.72	96	2622	0.121	ug/L	99
25) Chloroform	5.14	83	39552	0.958	ug/L	98
29) 1,1,1-Trichloroethane	5.36	97	4178	0.119	ug/L	93
34) Trichloroethene	6.58	95	30308	1.343	ug/L	99
35) Methylcyclohexane	6.73	83	29052	0.959	ug/L #	19
37) 1,2-Dichloropropane	6.73	63	12992	0.609	ug/L #	86
47) Tetrachloroethene	8.58	164	14613	0.681	ug/L	93
48) 2-Hexanone	8.70	43	17595	2.202	ug/L #	54
49) Dibromochloromethane	8.58	129	13089	0.587	ug/L #	12
59) 1,2,3-Trichloropropane	11.84	75	8184	0.537	ug/L	96

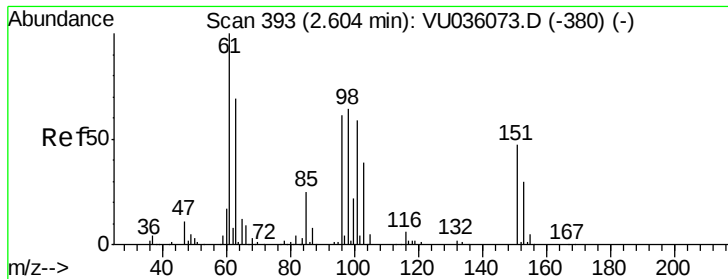
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.764 ug/L

RT: 2.61 min Scan# 395

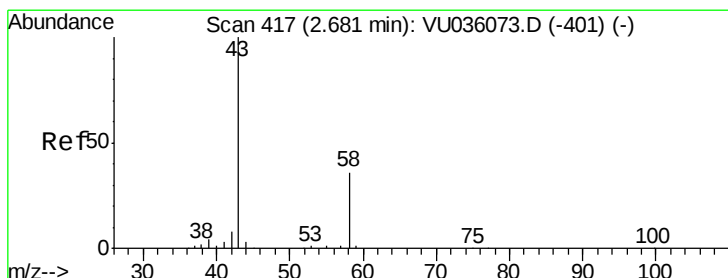
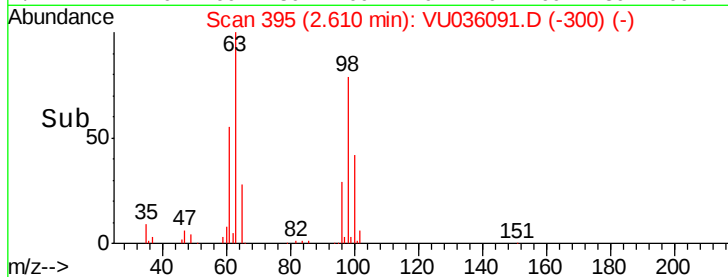
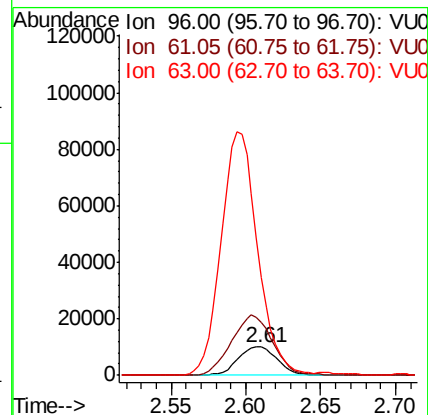
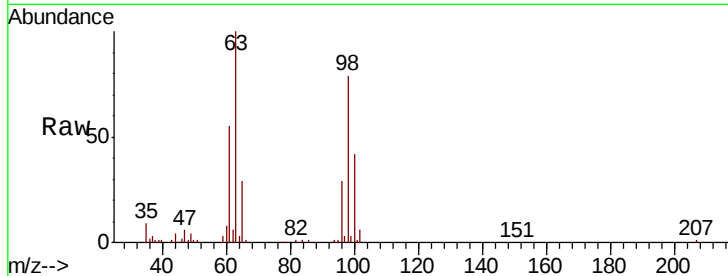
Delta R.T. 0.01 min

Lab File: VU036091.D

Acq: 10 Dec 2019 18:22

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	96	Resp	18470
Ion Ratio	Lower	Upper	
96	100		
61	187.7	104.3	193.7
63	344.3	65.6	121.8#



#13

Acetone

Concen: 1.441 ug/L

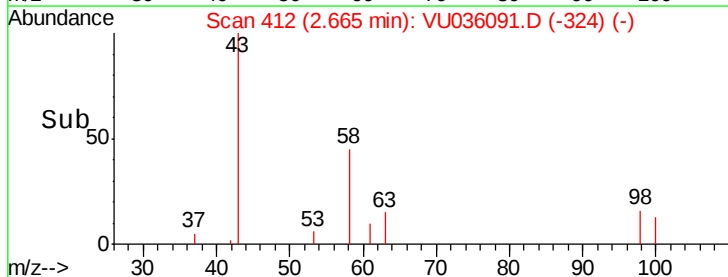
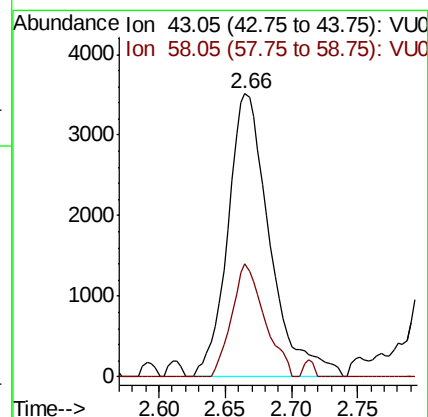
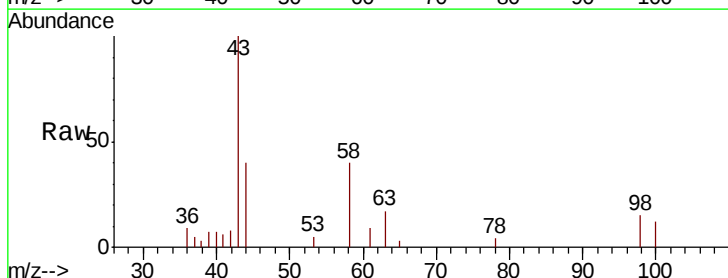
RT: 2.66 min Scan# 412

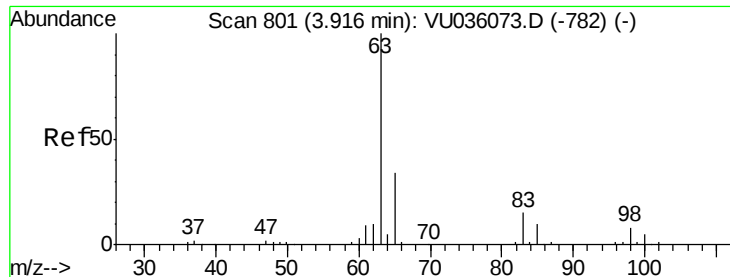
Delta R.T. -0.02 min

Lab File: VU036091.D

Acq: 10 Dec 2019 18:22

Tgt Ion	43	Resp	7723
Ion Ratio	Lower	Upper	
43	100		
58	31.2	0.0	74.2





#19

1,1-Dichloroethane

Concen: 0.495 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU036091.D

Acq: 10 Dec 2019 18:22

Instrument :

MSVOA_U

ClientSampled :

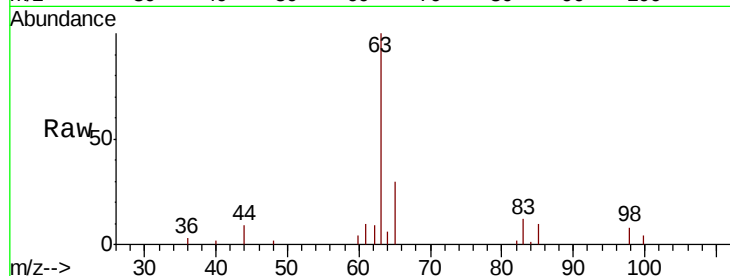
Tot Ion: 63 Resp: 18331

Ion Ratio Lower Upper

63 100

65 30.2 21.8 40.4

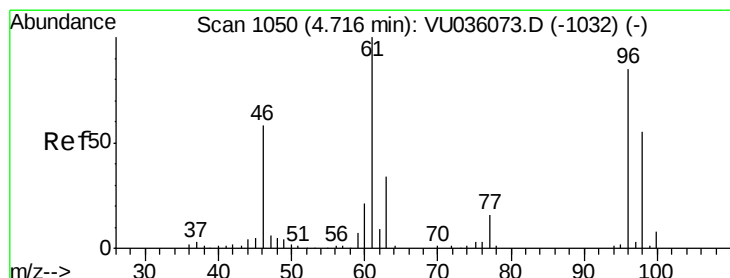
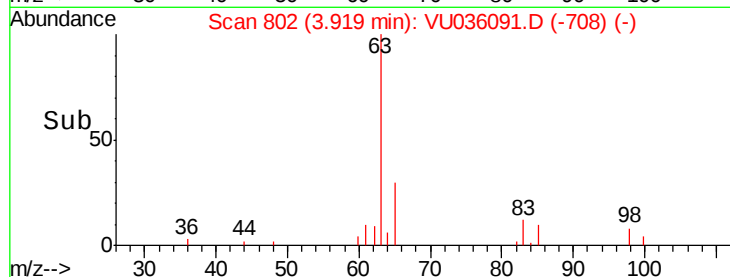
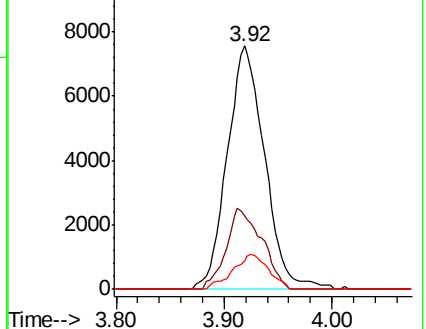
83 12.0 10.1 18.9



Abundance Ion 63.10 (62.80 to 63.80): VU036091.D (-957) (-)

Ion 65.10 (64.80 to 65.80): VU036091.D (-957) (-)

Ion 83.05 (82.75 to 83.75): VU036091.D (-957) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.121 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU036091.D

Acq: 10 Dec 2019 18:22

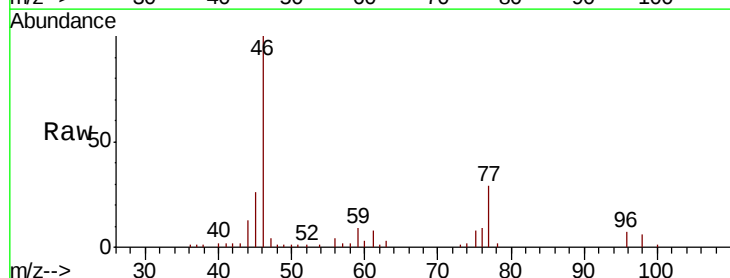
Tgt Ion: 96 Resp: 2622

Ion Ratio Lower Upper

96 100

61 116.9 83.0 154.2

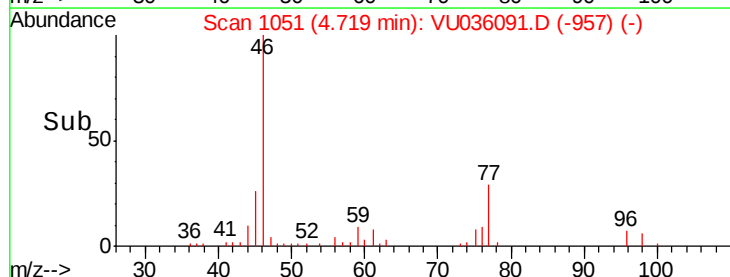
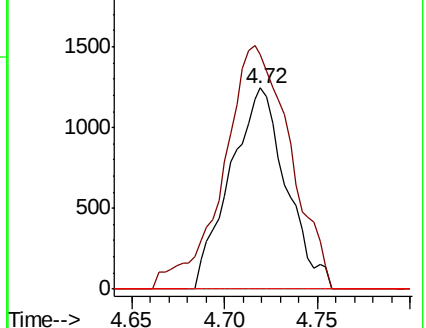
68 0.0 0.0 0.0

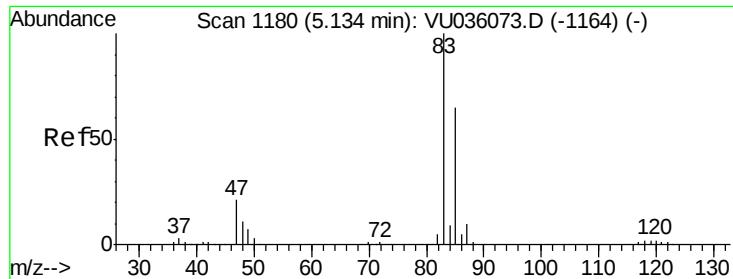


Abundance Ion 96.00 (95.70 to 96.70): VU036091.D (-957) (-)

Ion 61.05 (60.75 to 61.75): VU036091.D (-957) (-)

Ion 68.15 (67.85 to 68.85): VU036091.D (-957) (-)

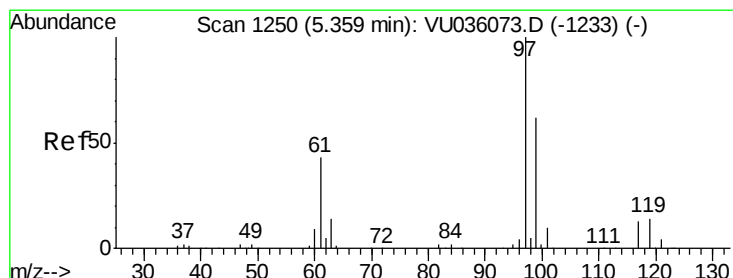
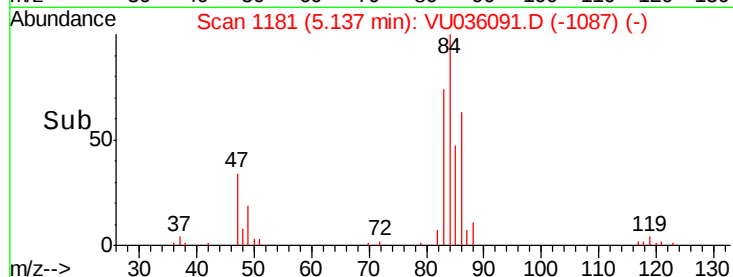
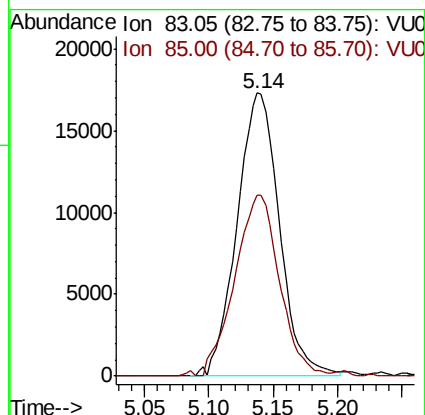
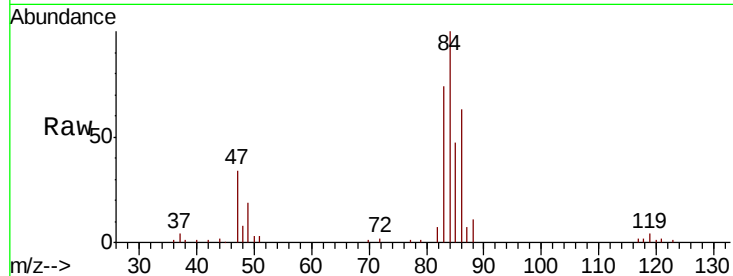




#25
Chloroform
Concen: 0.958 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU036091.D
Acq: 10 Dec 2019 18:22

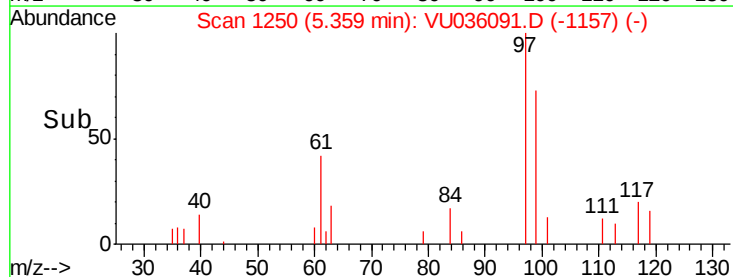
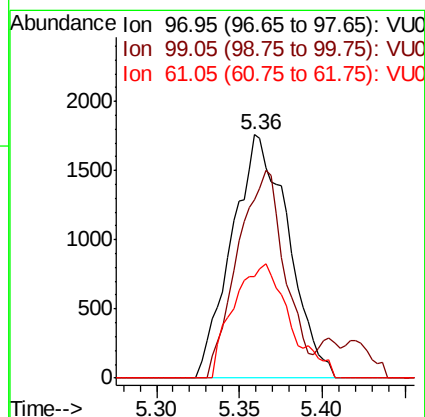
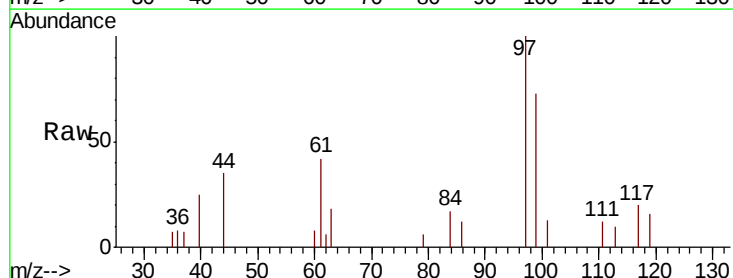
Instrument :
MSVOA_U
ClientSampleId :

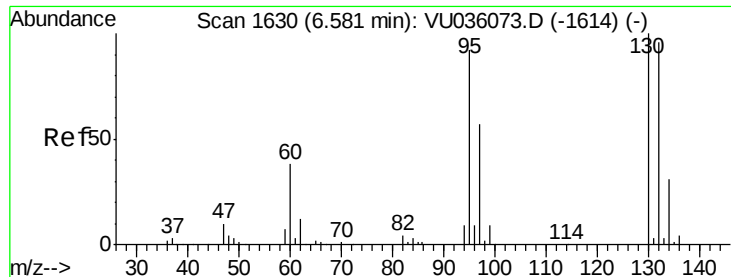
Tot Ion: 83 Resp: 39552
Ion Ratio Lower Upper
83 100
85 63.9 43.9 81.5



#29
1,1,1-Trichloroethane
Concen: 0.119 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU036091.D
Acq: 10 Dec 2019 18:22

Tgt Ion: 97 Resp: 4178
Ion Ratio Lower Upper
97 100
99 71.7 52.2 78.2
61 46.9 34.7 52.1

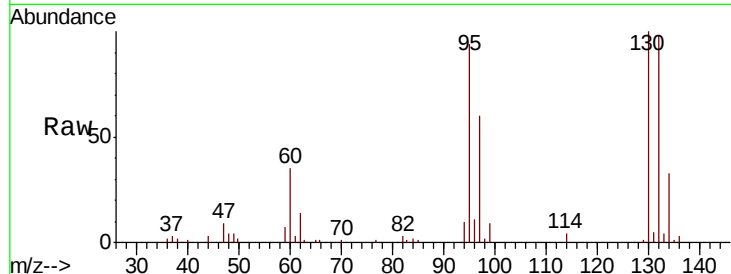




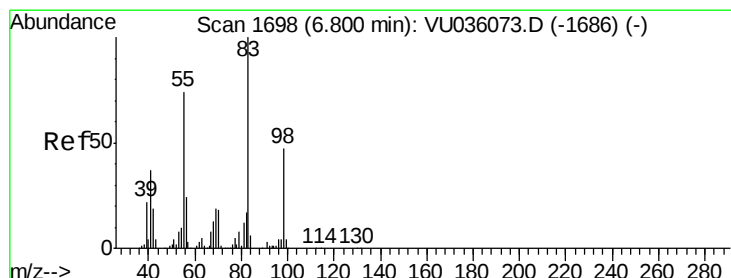
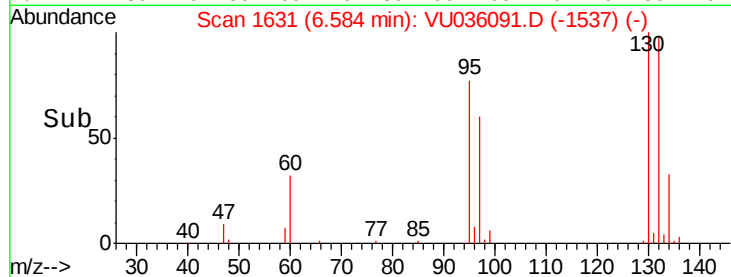
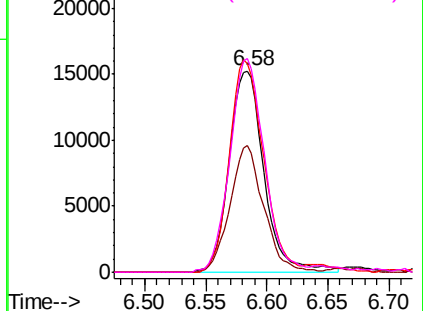
#34
 Trichloroethene
 Concen: 1.343 ug/L
 RT: 6.58 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VU036091.D
 Acq: 10 Dec 2019 18:22

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 95 Resp: 30308
 Ion Ratio Lower Upper
 95 100
 97 63.1 44.4 82.4
 132 103.8 73.4 136.4
 130 106.1 75.9 141.1

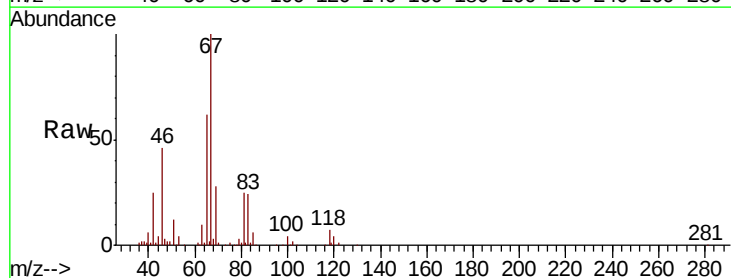


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

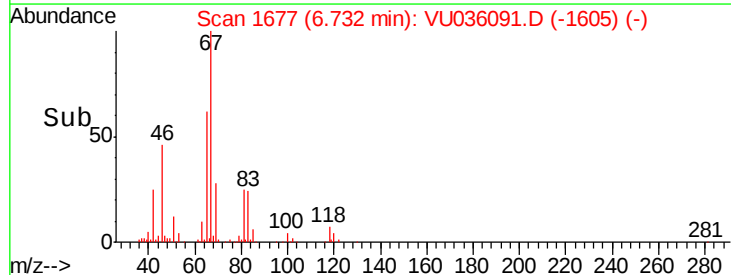
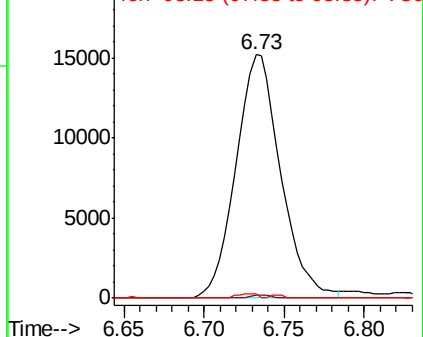


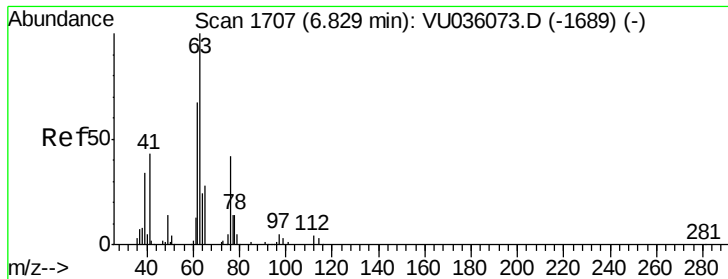
#35
 Methylcyclohexane
 Concen: 0.959 ug/L
 RT: 6.73 min Scan# 1677
 Delta R.T. -0.07 min
 Lab File: VU036091.D
 Acq: 10 Dec 2019 18:22

Tgt Ion: 83 Resp: 29052
 Ion Ratio Lower Upper
 83 100
 55 0.5 62.1 93.1#
 98 0.8 37.0 55.4#



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: 0.609 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.10 min

Lab File: VU036091.D

Acq: 10 Dec 2019 18:22

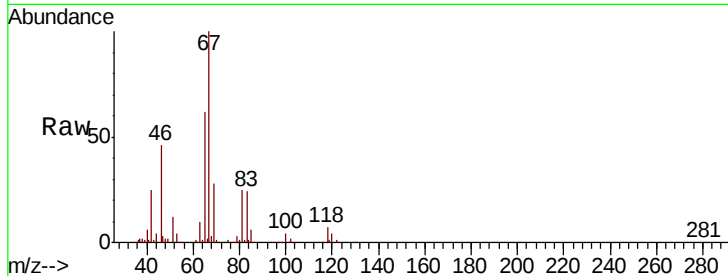
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 63 Resp: 12992

Ion Ratio Lower Upper

63 100

112 0.2 3.8 5.8#



Abundance Ion 63.10 (62.80 to 63.80): VU036091.D (-1677) (-)

Ion 112.10 (111.80 to 112.80): VU036091.D (-1677) (-)

6.73

6000

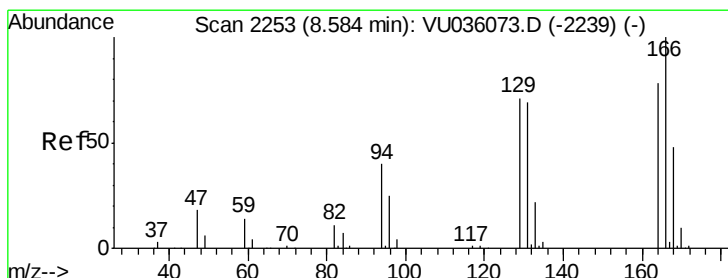
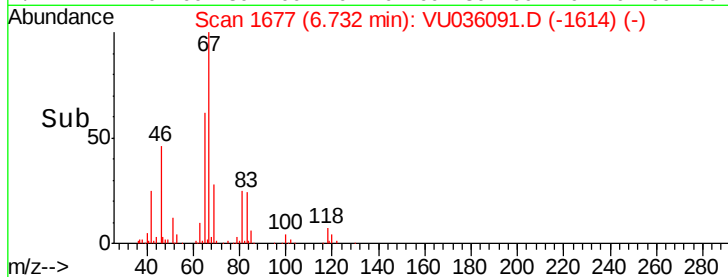
4000

2000

0

6.65 6.70 6.75 6.80

Time-->



#47

Tetrachloroethene

Concen: 0.681 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU036091.D

Acq: 10 Dec 2019 18:22

Tgt Ion:164 Resp: 14613

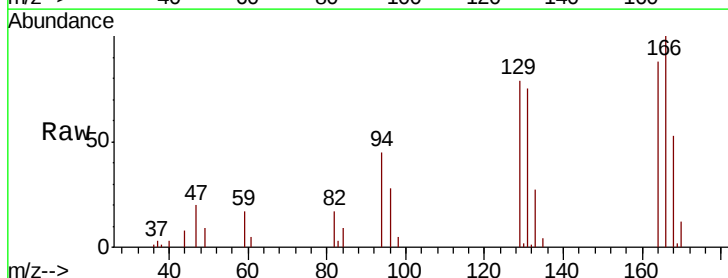
Ion Ratio Lower Upper

164 100

129 89.8 63.1 117.3

131 84.5 61.5 114.1

166 113.4 91.0 169.0



Abundance Ion 163.90 (163.60 to 164.60): VU036091.D (-2160) (-)

Ion 128.95 (128.65 to 129.65): VU036091.D (-2160) (-)

Ion 130.95 (130.65 to 131.65): VU036091.D (-2160) (-)

Ion 165.90 (165.60 to 166.60): VU036091.D (-2160) (-)

8.58

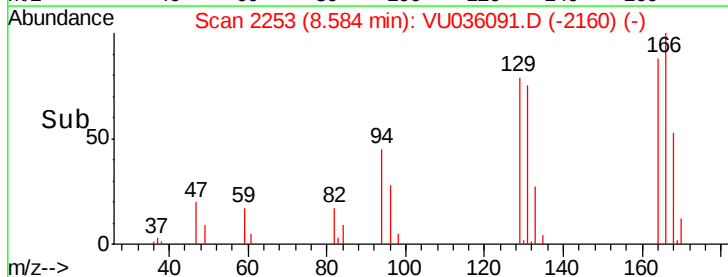
10000

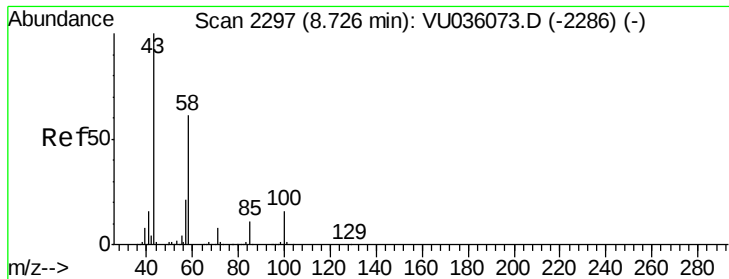
5000

0

8.50 8.55 8.60 8.65

Time-->

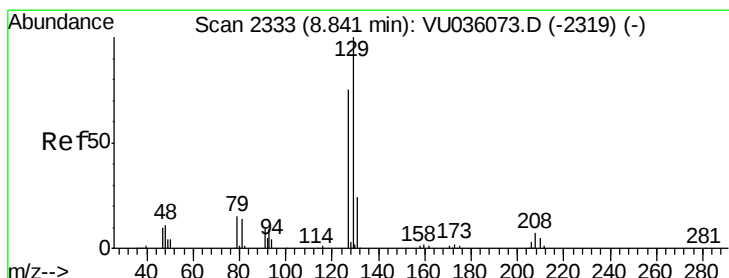
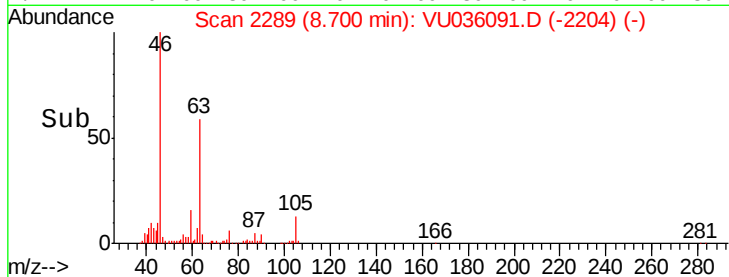
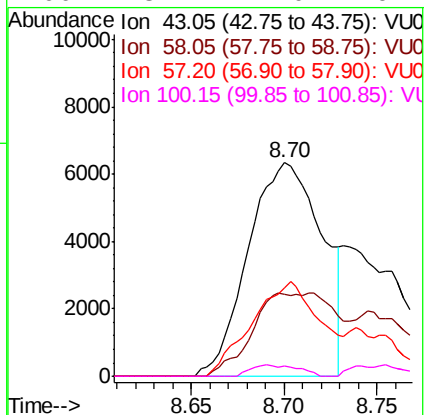
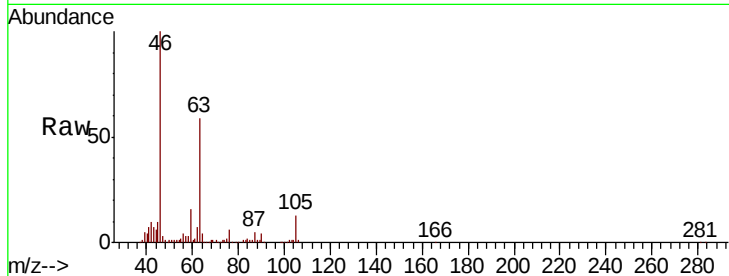




#48
2-Hexanone
Concen: 2.202 ug/L
RT: 8.70 min Scan# 2289
Delta R.T. -0.03 min
Lab File: VU036091.D
Acq: 10 Dec 2019 18:22

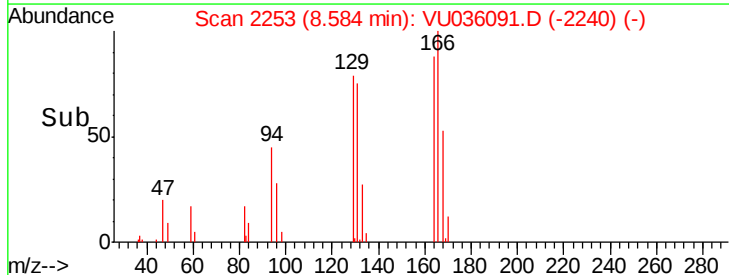
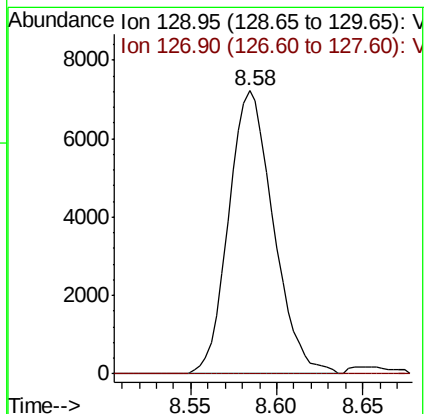
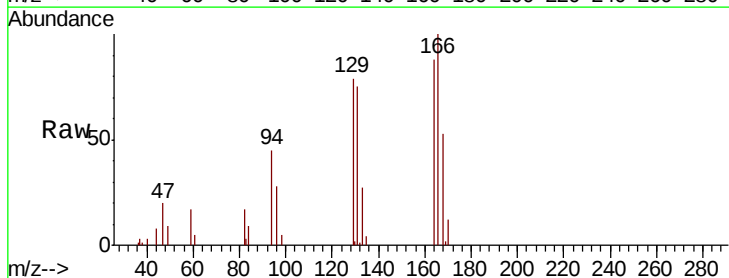
Instrument :
MSVOA_U
ClientSampleId :

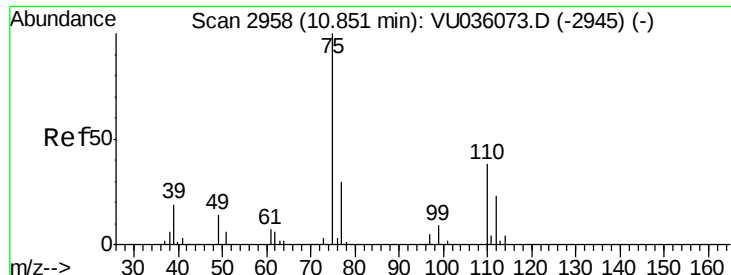
Tot Ion:	43	Resp:	17595
Ion	Ratio	Lower	Upper
43	100		
58	20.9	46.9	70.3#
57	41.3	16.4	24.6#
100	3.4	11.0	16.4#



#49
Dibromochloromethane
Concen: 0.587 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.26 min
Lab File: VU036091.D
Acq: 10 Dec 2019 18:22

Tgt Ion:	129	Resp:	13089
Ion	Ratio	Lower	Upper
129	100		
127	0.0	52.5	97.5#





#59

1,2,3-Trichloropropane
 Concen: 0.537 ug/L
 RT: 11.84 min Scan# 3267
 Delta R.T. 0.99 min
 Lab File: VU036091.D
 Acq: 10 Dec 2019 18:22

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 8184
 Ion Ratio Lower Upper
 75 100
 77 35.6 26.7 40.1

