

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121019\
 Data File : VU036099.D
 Acq On : 10 Dec 2019 22:25
 Operator : JC/MD
 Sample : K6168-19
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 11 07:33:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 11 07:30:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	279366	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	312421	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	100673	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	132666	5.33	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.60%
7) Chloroethane-d5	1.93	69	123821	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.80%
11) 1,1-Dichloroethene-d2	2.59	63	140069	3.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.60%
20) 2-Butanone-d5	4.69	46	254697	60.03	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.06%
24) Chloroform-d	5.11	84	202009	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
26) 1,2-Dichloroethane-d4	5.75	65	109675	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.80%
32) Benzene-d6	5.77	84	392954	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
36) 1,2-Dichloropropane-d6	6.73	67	128400	5.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.60%
41) Toluene-d8	7.93	98	320918	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.00%
43) trans-1,3-Dichloropropene-	8.21	79	45579	4.59	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.80%
46) 2-Hexanone-d5	8.68	63	208281	57.91	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.82%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	118260	5.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	105665	5.46	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.20%

Target Compounds

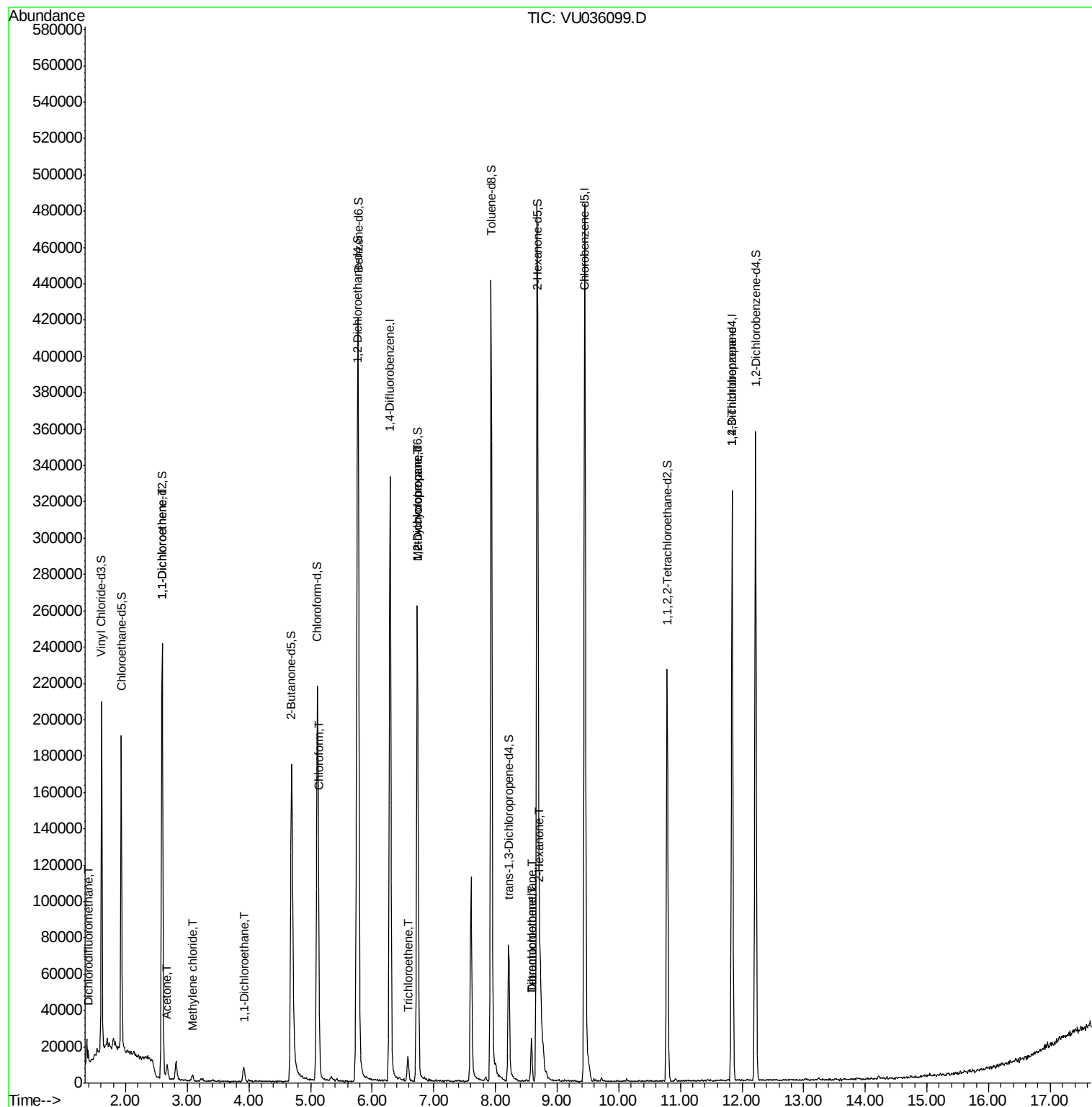
					Ovalue
2) Dichlorodifluoromethane	1.39	85	3613	0.132 ug/L	93
12) 1,1-Dichloroethene	2.59	96	2349	0.097 ug/L #	1
13) Acetone	2.67	43	9826	1.824 ug/L	95
16) Methylene chloride	3.09	84	1713	0.061 ug/L #	62
19) 1,1-Dichloroethane	3.92	63	9845	0.264 ug/L	94
25) Chloroform	5.14	83	15472	0.373 ug/L	95
34) Trichloroethene	6.58	95	4072	0.180 ug/L	78
35) Methylcyclohexane	6.73	83	31033	1.020 ug/L #	18
37) 1,2-Dichloropropane	6.73	63	12712	0.593 ug/L #	86
47) Tetrachloroethene	8.58	164	5670	0.263 ug/L	94
48) 2-Hexanone	8.73	43	9874	1.230 ug/L #	83
49) Dibromochloromethane	8.58	129	5355	0.239 ug/L #	12
59) 1,2,3-Trichloropropane	11.84	75	11240	0.734 ug/L	94

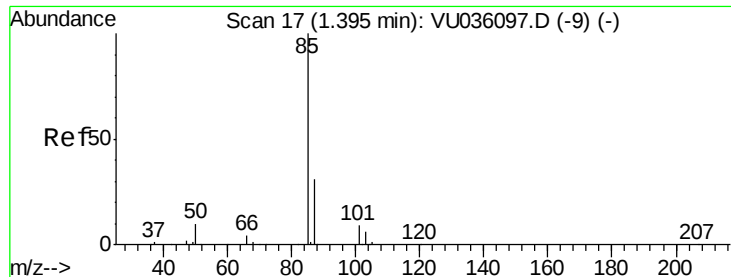
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.132 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036099.D

Acq: 10 Dec 2019 22:25

Instrument :

MSVOA_U

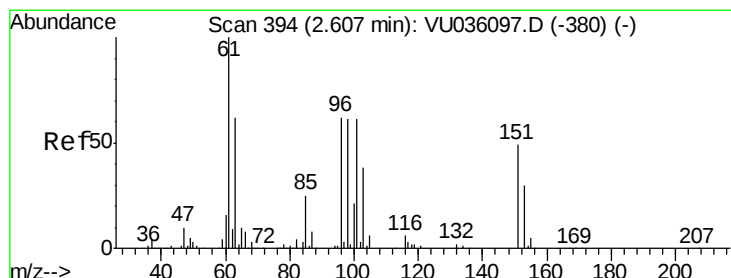
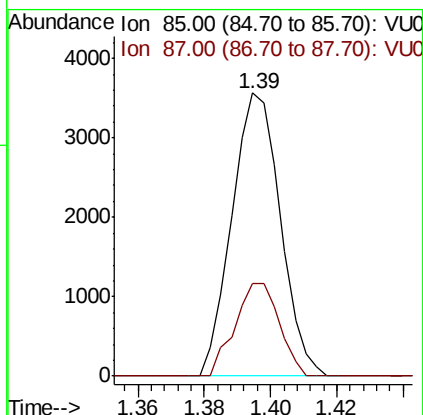
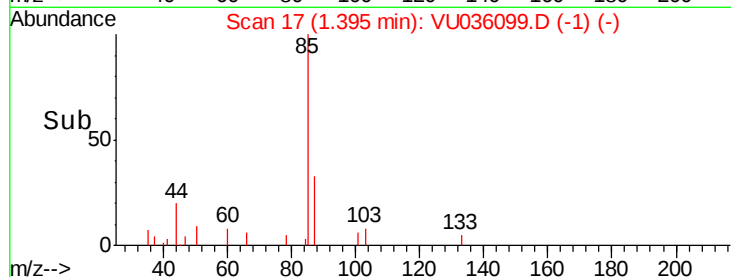
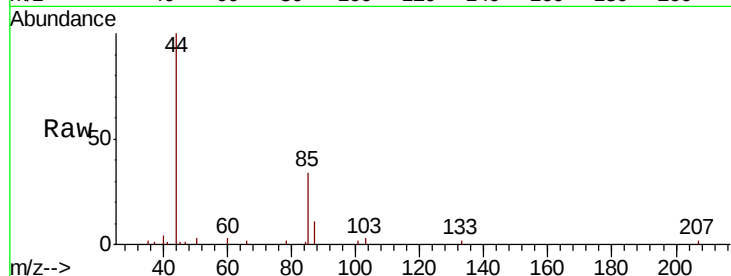
ClientSampleId :

Tot Ion: 85 Resp: 3613

Ion Ratio Lower Upper

85 100

87 30.0 27.0 40.4



#12

1,1-Dichloroethene

Concen: 0.097 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU036099.D

Acq: 10 Dec 2019 22:25

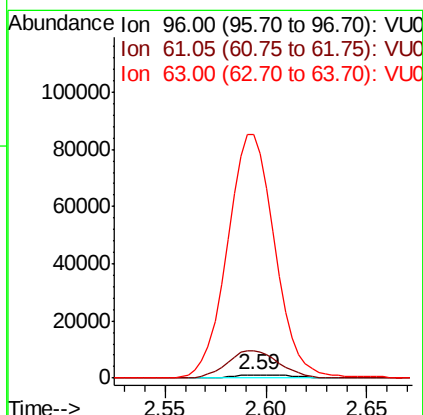
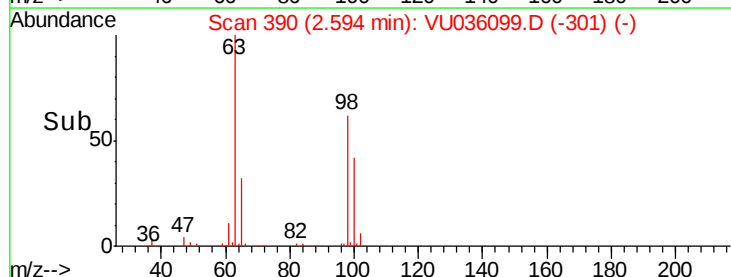
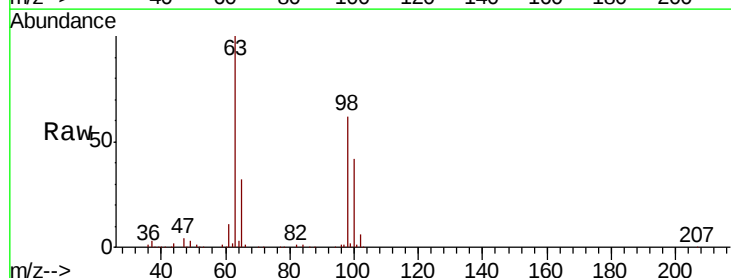
Tgt Ion: 96 Resp: 2349

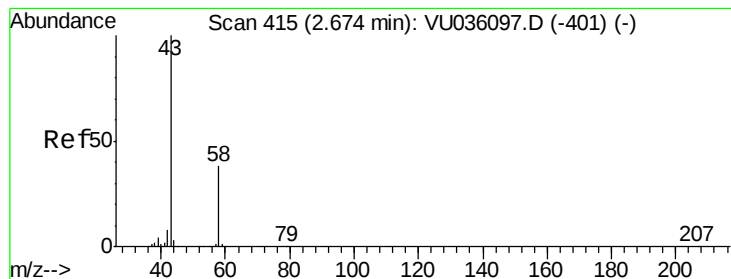
Ion Ratio Lower Upper

96 100

61 863.4 104.3 193.7#

63 7633.0 65.6 121.8#





#13

Acetone

Concen: 1.824 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.00 min

Lab File: VU036099.D

Acq: 10 Dec 2019 22:25

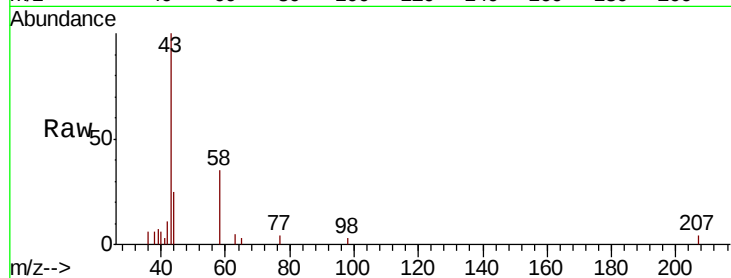
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 9826

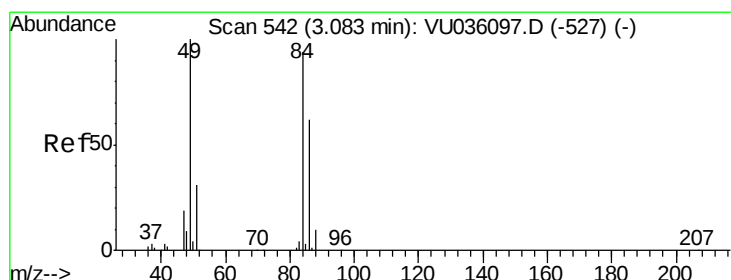
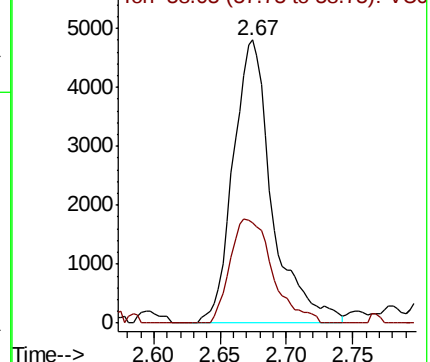
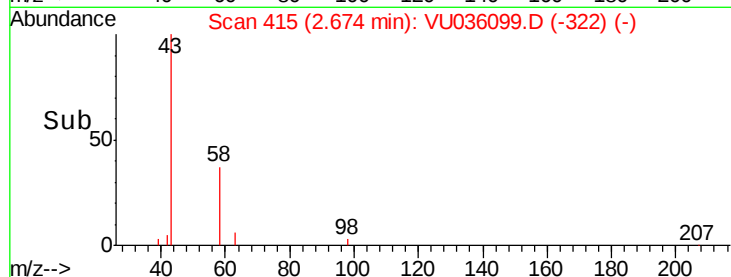
Ion Ratio Lower Upper

43 100

58 40.0 0.0 74.2



Abundance Ion 43.05 (42.75 to 43.75): VU036099.D (-322) (-)



#16

Methylene chloride

Concen: 0.061 ug/L

RT: 3.09 min Scan# 543

Delta R.T. 0.00 min

Lab File: VU036099.D

Acq: 10 Dec 2019 22:25

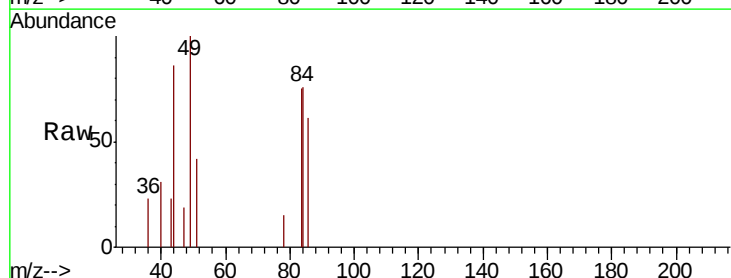
Tgt Ion: 84 Resp: 1713

Ion Ratio Lower Upper

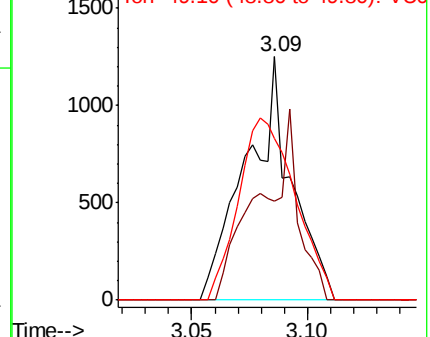
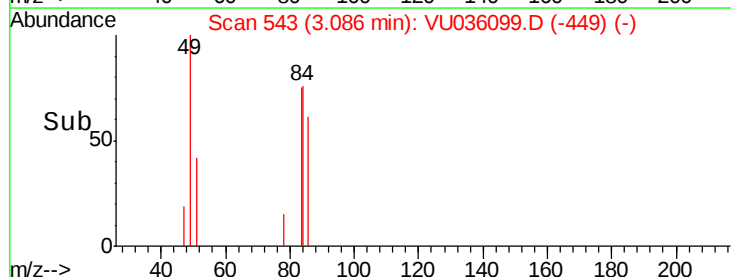
84 100

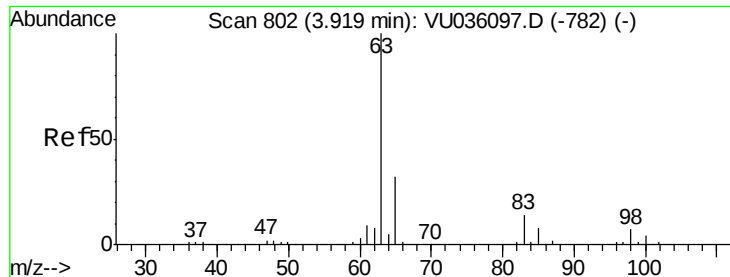
86 40.7 47.5 88.3#

49 66.4 76.9 142.9#



Abundance Ion 84.05 (83.75 to 84.75): VU036099.D (-449) (-)

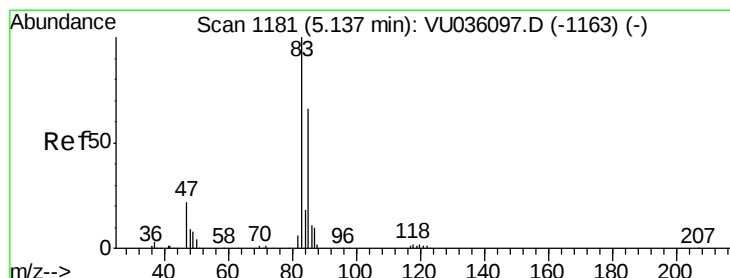
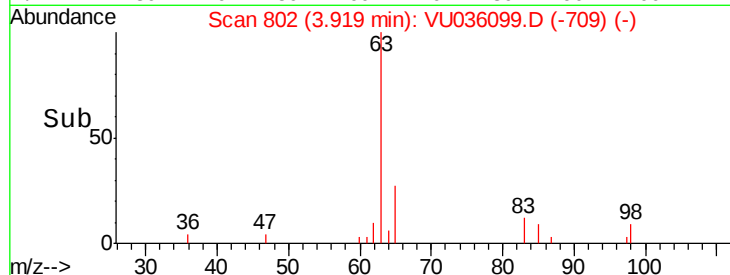
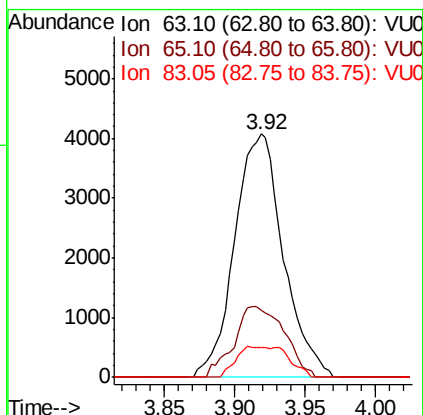
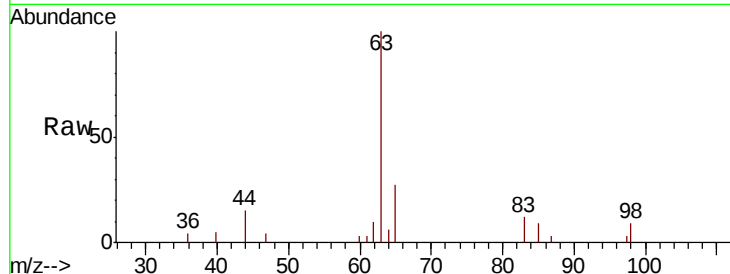




#19
1,1-Dichloroethane
Concen: 0.264 ug/L
RT: 3.92 min Scan# 802
Delta R.T. -0.00 min
Lab File: VU036099.D
Acq: 10 Dec 2019 22:25

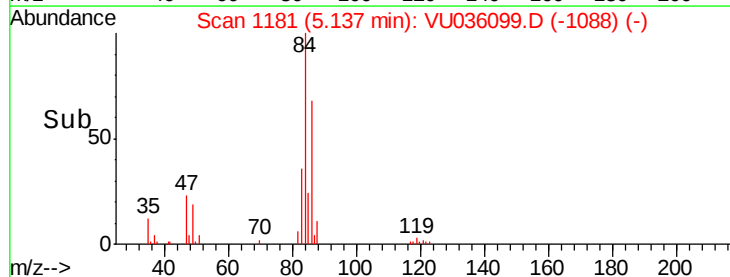
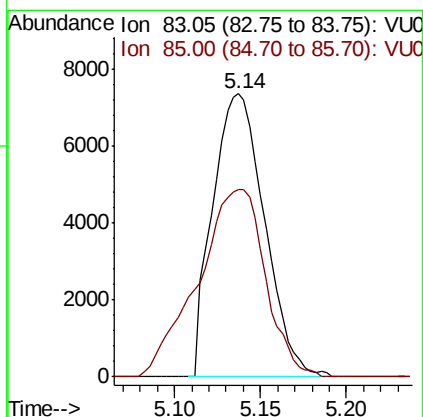
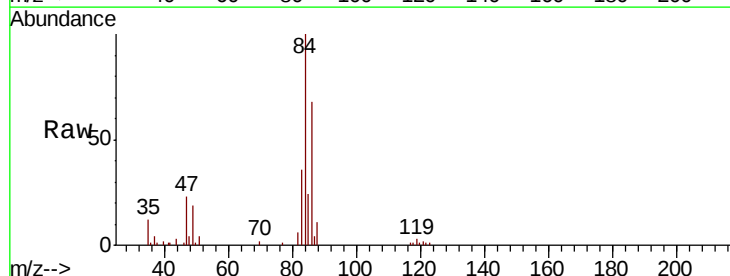
Instrument :
MSVOA_U
ClientSampled :

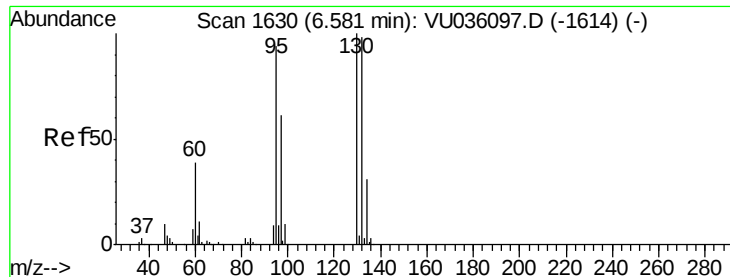
Tot Ion: 63 Resp: 9845
Ion Ratio Lower Upper
63 100
65 27.3 21.8 40.4
83 12.3 10.1 18.9



#25
Chloroform
Concen: 0.373 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU036099.D
Acq: 10 Dec 2019 22:25

Tgt Ion: 83 Resp: 15472
Ion Ratio Lower Upper
83 100
85 66.2 43.9 81.5

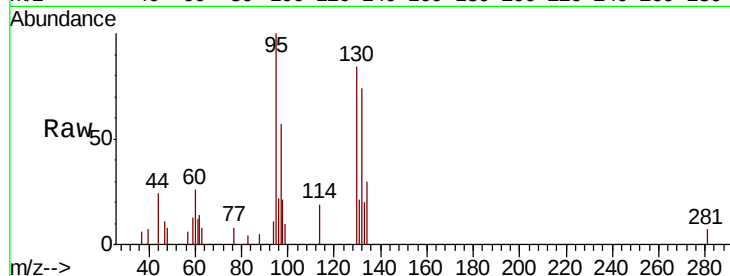




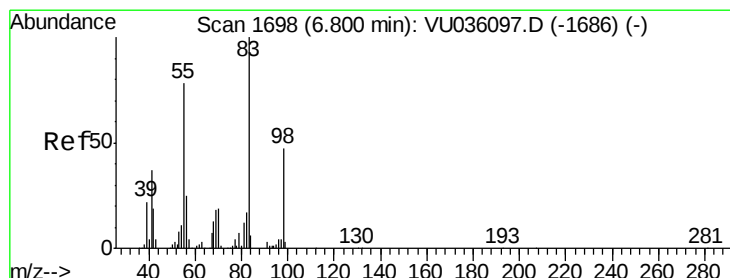
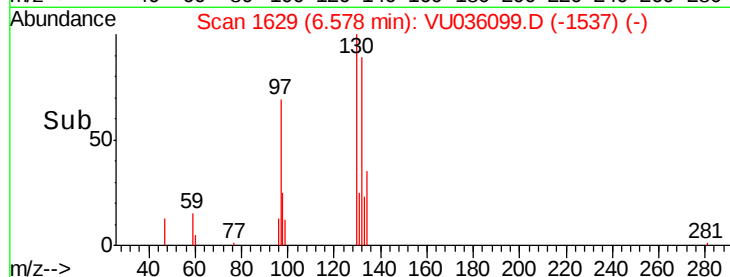
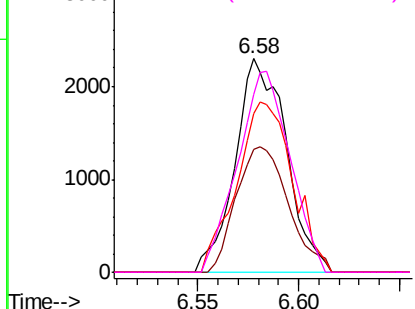
#34
 Trichloroethene
 Concen: 0.180 ug/L
 RT: 6.58 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VU036099.D
 Acq: 10 Dec 2019 22:25

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 4072
 Ion Ratio Lower Upper
 95 100
 97 57.3 44.4 82.4
 132 74.4 73.4 136.4
 130 83.5 75.9 141.1

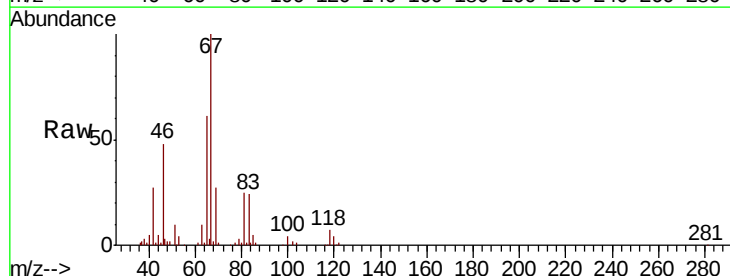


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

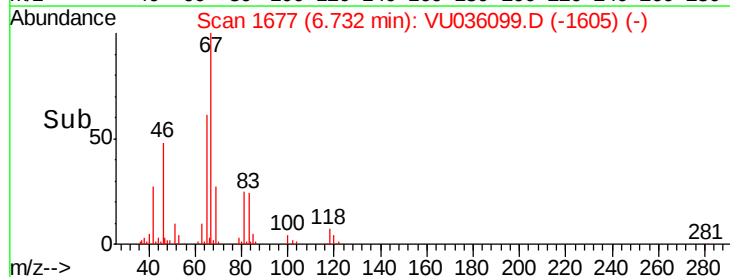
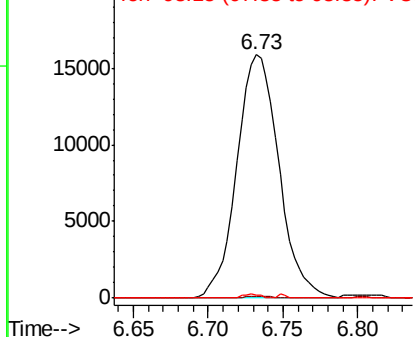


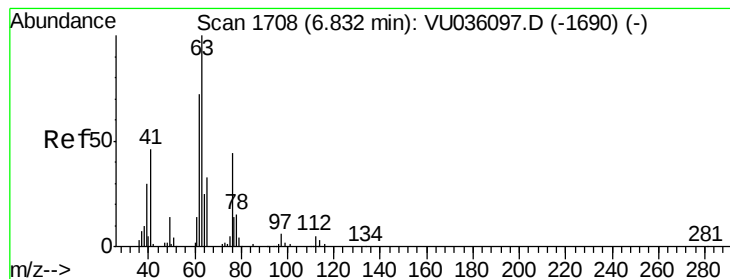
#35
 Methylcyclohexane
 Concen: 1.020 ug/L
 RT: 6.73 min Scan# 1677
 Delta R.T. -0.07 min
 Lab File: VU036099.D
 Acq: 10 Dec 2019 22:25

Tgt Ion: 83 Resp: 31033
 Ion Ratio Lower Upper
 83 100
 55 0.0 62.1 93.1#
 98 0.7 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: 0.593 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.10 min

Lab File: VU036099.D

Acq: 10 Dec 2019 22:25

Instrument :

MSVOA_U

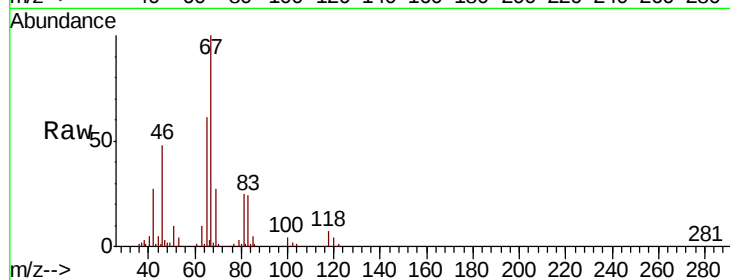
ClientSampleId :

Tot Ion: 63 Resp: 12712

Ion Ratio Lower Upper

63 100

112 0.2 3.8 5.8#



Abundance Ion 63.10 (62.80 to 63.80): VU036097.D (-1690) (-)

Ion 112.10 (111.80 to 112.80): VU036097.D (-1690) (-)

6.73

8000

6000

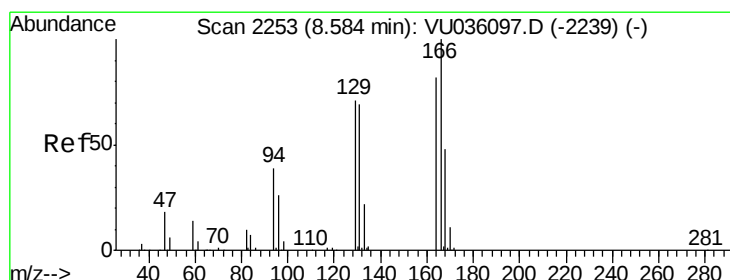
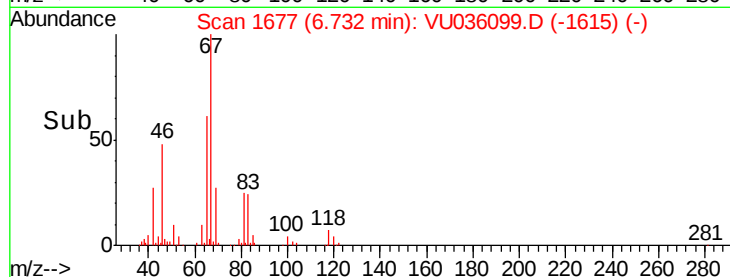
4000

2000

0

Time-->

6.65 6.70 6.75 6.80



#47

Tetrachloroethene

Concen: 0.263 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU036099.D

Acq: 10 Dec 2019 22:25

Tgt Ion:164 Resp: 5670

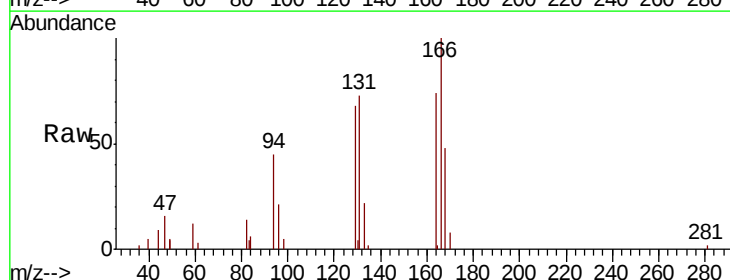
Ion Ratio Lower Upper

164 100

129 92.1 63.1 117.3

131 99.5 61.5 114.1

166 135.8 91.0 169.0



Abundance Ion 163.90 (163.60 to 164.60): VU036097.D (-2239) (-)

Ion 128.95 (128.65 to 129.65): VU036097.D (-2239) (-)

Ion 130.95 (130.65 to 131.65): VU036097.D (-2239) (-)

Ion 165.90 (165.60 to 166.60): VU036097.D (-2239) (-)

6000

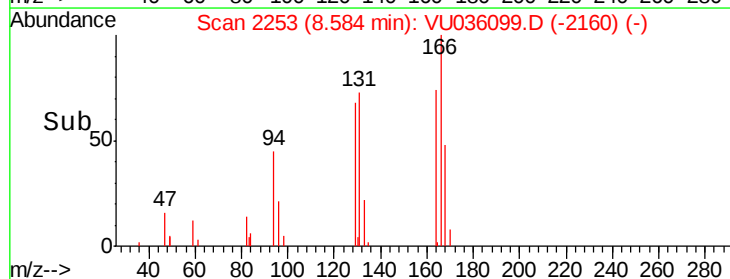
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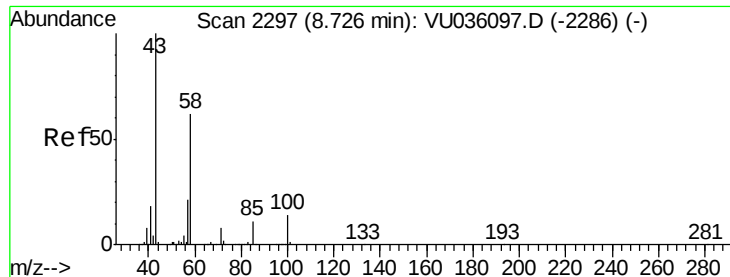
2000

0

Time-->

8.55 8.60 8.65

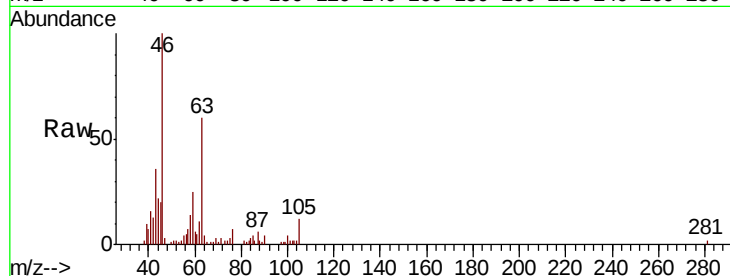




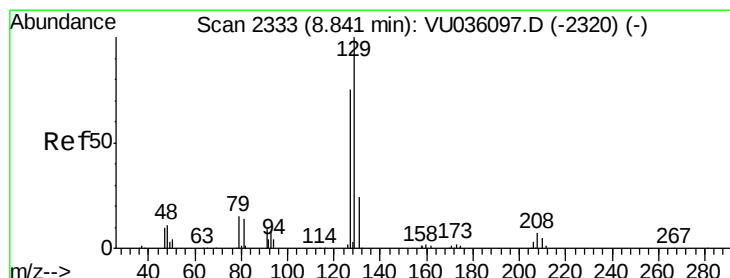
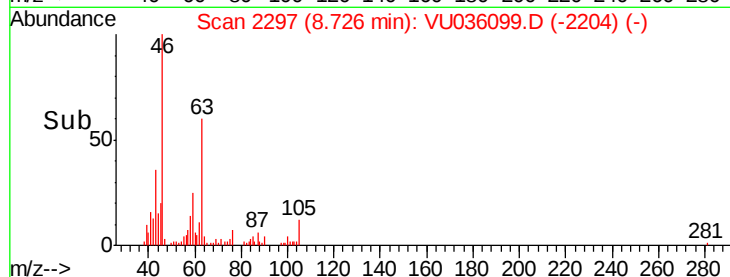
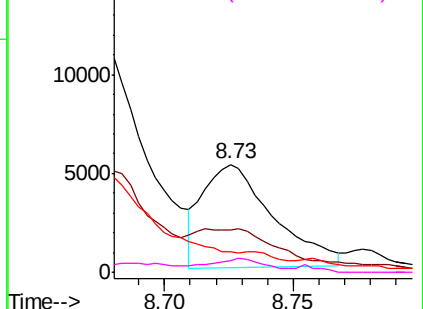
#48
2-Hexanone
Concen: 1.230 ug/L
RT: 8.73 min Scan# 2297
Delta R.T. -0.00 min
Lab File: VU036099.D
Acq: 10 Dec 2019 22:25

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 9874
Ion Ratio Lower Upper
43 100
58 52.1 46.9 70.3
57 0.0 16.4 24.6#
100 7.8 11.0 16.4#

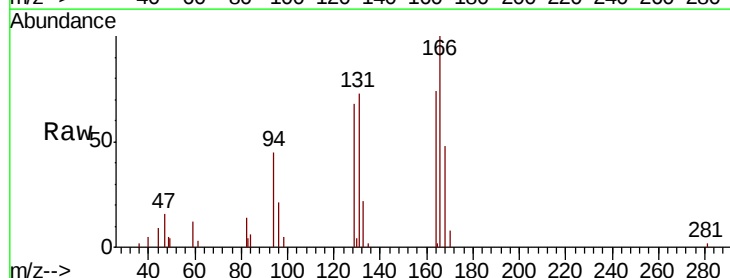


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

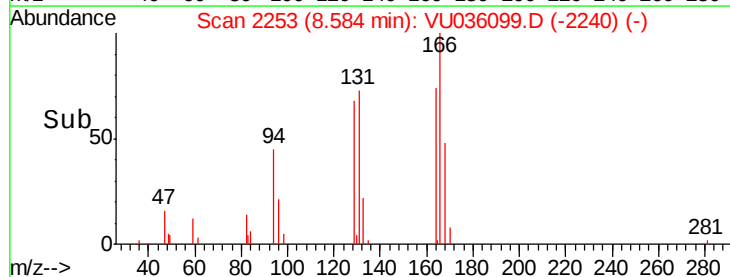
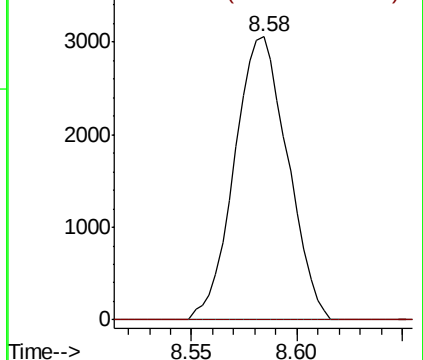


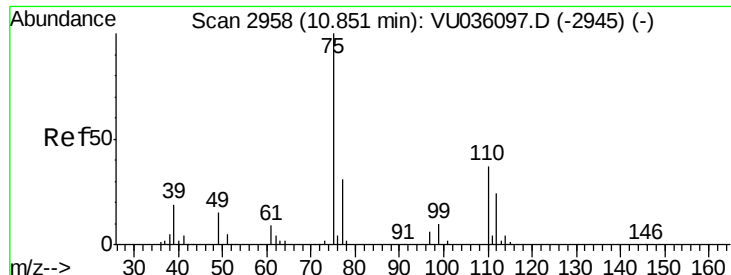
#49
Dibromochloromethane
Concen: 0.239 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.26 min
Lab File: VU036099.D
Acq: 10 Dec 2019 22:25

Tgt Ion: 129 Resp: 5355
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





#59

1,2,3-Trichloropropane

Concen: 0.734 ug/L

RT: 11.84 min Scan# 3266

Delta R.T. 0.99 min

Lab File: VU036099.D

Acq: 10 Dec 2019 22:25

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 11240

Ion Ratio Lower Upper

75 100

77 36.9 26.7 40.1

