

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111819\
 Data File : VU035753.D
 Acq On : 18 Nov 2019 19:13
 Operator : JC/SP
 Sample : K5910-16
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 19 00:37:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 19 00:32:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	183147	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	221274	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.85	152	72573	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	85017	4.51	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.20%
7) Chloroethane-d5	1.93	69	82582	5.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.00%
11) 1,1-Dichloroethene-d2	2.59	63	112529	3.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.00%
20) 2-Butanone-d5	4.70	46	218750	52.56	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.12%
24) Chloroform-d	5.11	84	156107	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
26) 1,2-Dichloroethane-d4	5.75	65	86461	5.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.60%
32) Benzene-d6	5.77	84	309811	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
36) 1,2-Dichloropropane-d6	6.74	67	111267	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	7.93	98	258415	3.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.40%
43) trans-1,3-Dichloropropene-	8.21	79	36240	4.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.60%
46) 2-Hexanone-d5	8.70	63	148253	42.06	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.12%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	90178	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	74804	5.20	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.00%

Target Compounds

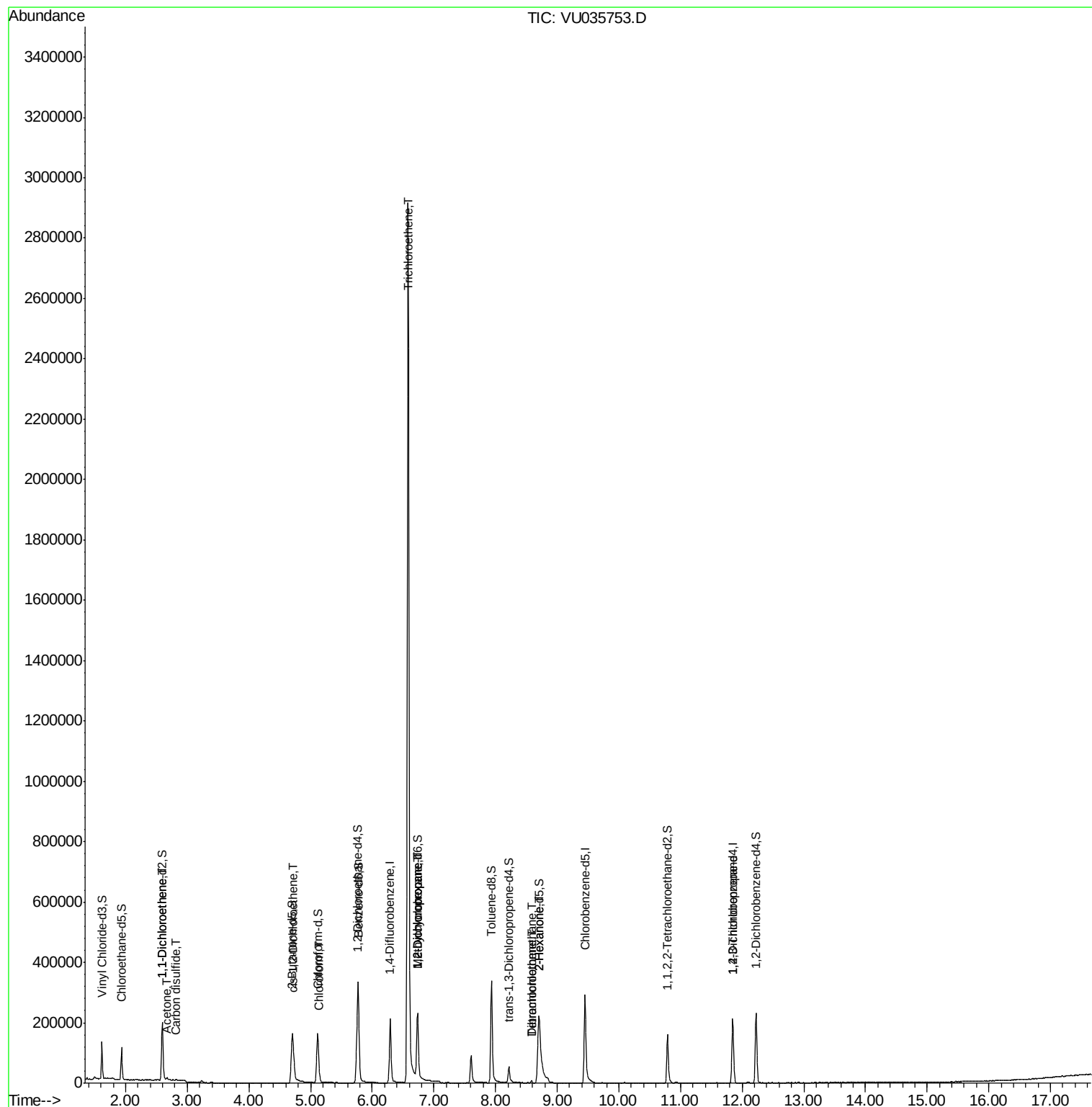
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.61	96	5998	0.372	ug/L #	1
13) Acetone	2.67	43	6838	2.279	ug/L	98
14) Carbon disulfide	2.82	76	3778	0.072	ug/L #	66
22) cis-1,2-Dichloroethene	4.72	96	30850	1.685	ug/L	99
25) Chloroform	5.14	83	12241	0.366	ug/L	98
34) Trichloroethene	6.58	95	1048598	52.617	ug/L	99
35) Methylcyclohexane	6.73	83	25888	0.853	ug/L #	18
37) 1,2-Dichloropropane	6.73	63	11377	0.554	ug/L #	88
47) Tetrachloroethene	8.59	164	1691	0.097	ug/L	87
48) 2-Hexanone	8.71	43	13942	1.663	ug/L #	87
49) Dibromochloromethane	8.58	129	1733	0.096	ug/L #	12
59) 1,2,3-Trichloropropane	11.84	75	8583	0.632	ug/L	99

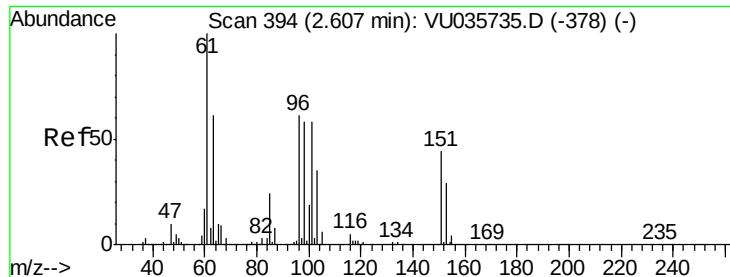
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.372 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

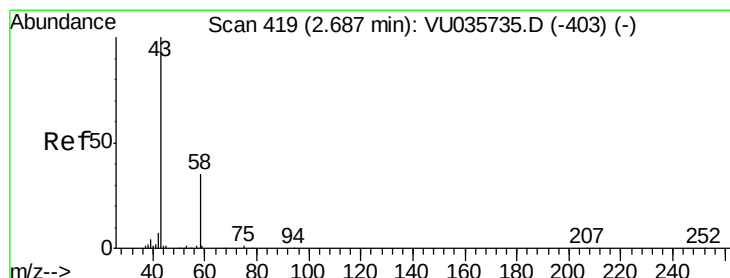
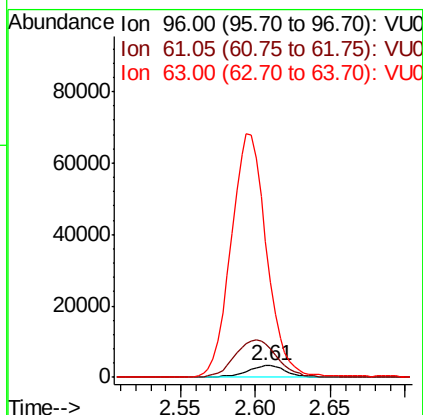
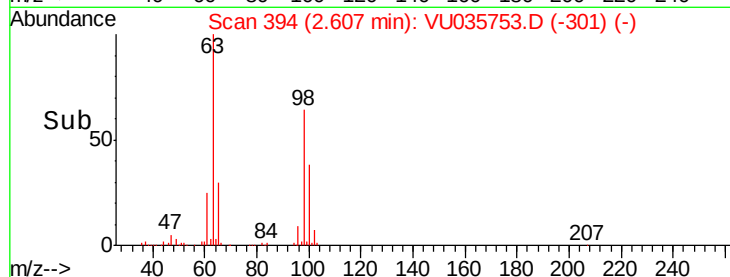
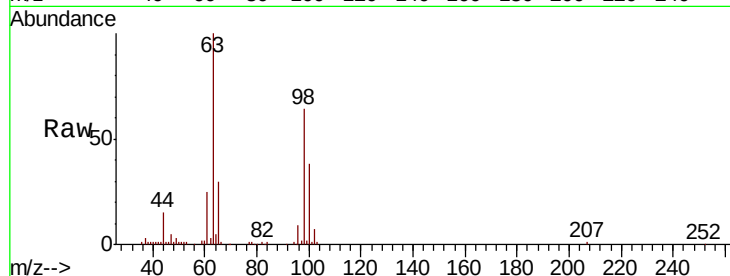
Lab File: VU035753.D

Acq: 18 Nov 2019 19:13

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 5998

Ion	Ratio	Lower	Upper
96	100		
61	287.0	123.1	228.5#
63	1168.3	87.8	163.0#



#13

Acetone

Concen: 2.279 ug/L

RT: 2.67 min Scan# 414

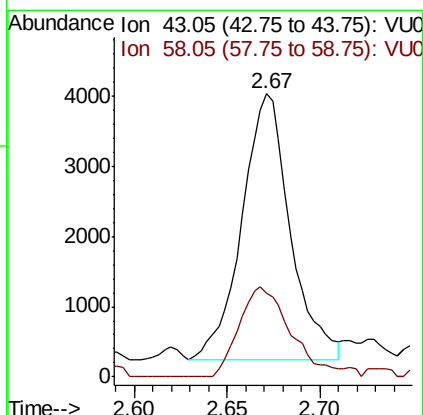
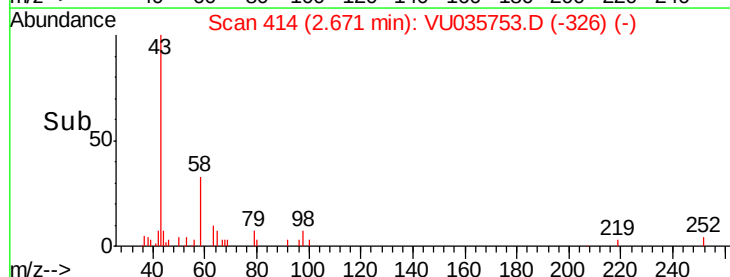
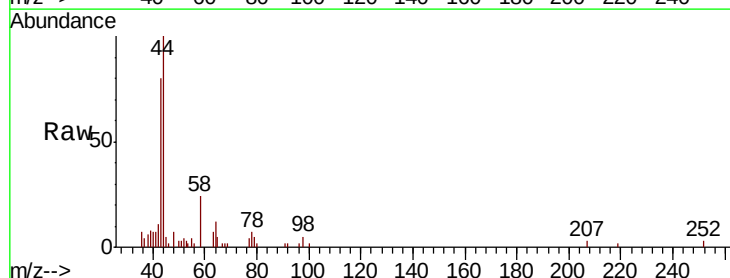
Delta R.T. -0.02 min

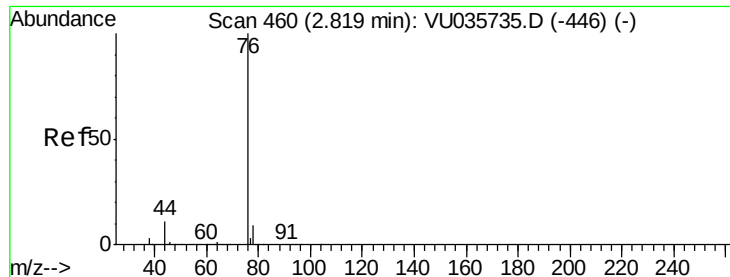
Lab File: VU035753.D

Acq: 18 Nov 2019 19:13

Tgt Ion: 43 Resp: 6838

Ion	Ratio	Lower	Upper
43	100		
58	35.8	0.0	69.8





#14

Carbon disulfide

Concen: 0.072 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU035753.D

Acq: 18 Nov 2019 19:13

Instrument :

MSVOA_U

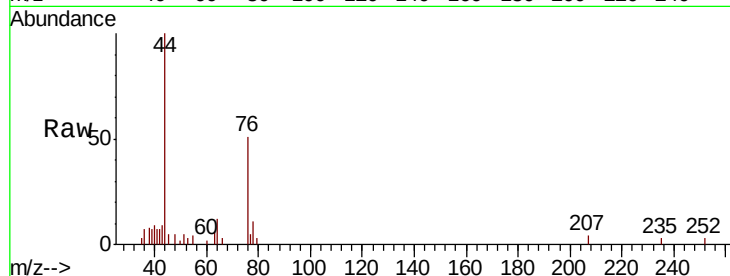
ClientSampleId :

Tot Ion: 76 Resp: 3778

Ion Ratio Lower Upper

76 100

78 21.5 7.4 11.0#



Abundance Ion 76.05 (75.75 to 76.75): VU035753.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU035753.D (-446) (-)

2.82

2000

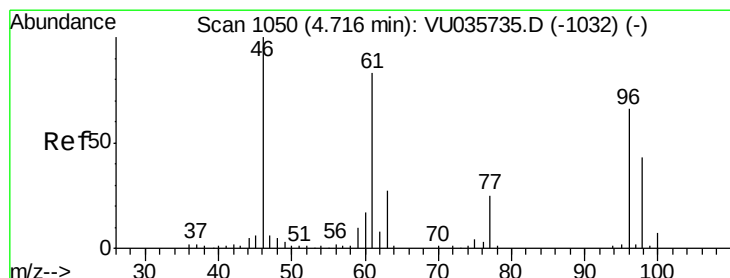
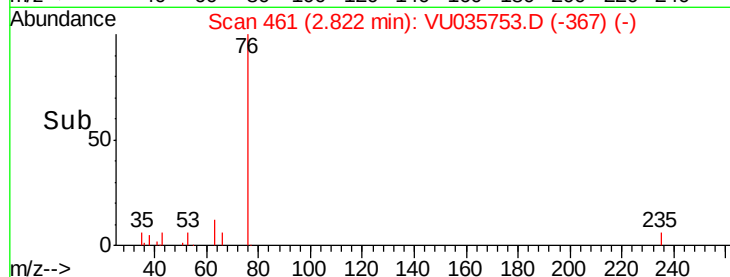
1500

1000

500

0

Time-->



#22

cis-1,2-Dichloroethene

Concen: 1.685 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VU035753.D

Acq: 18 Nov 2019 19:13

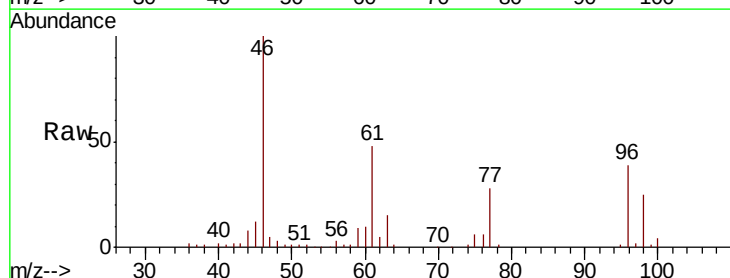
Tgt Ion: 96 Resp: 30850

Ion Ratio Lower Upper

96 100

61 122.9 87.0 161.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035735.D (-1032) (-)

Ion 61.05 (60.75 to 61.75): VU035735.D (-1032) (-)

Ion 68.15 (67.85 to 68.85): VU035735.D (-1032) (-)

4.72

20000

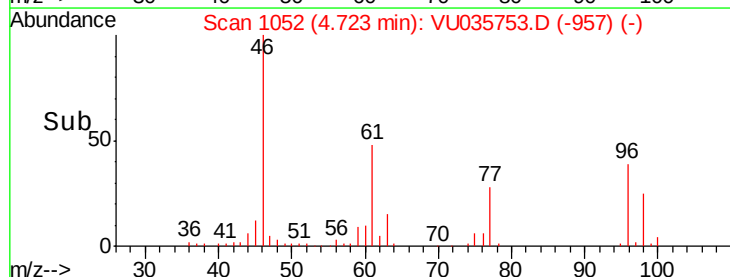
15000

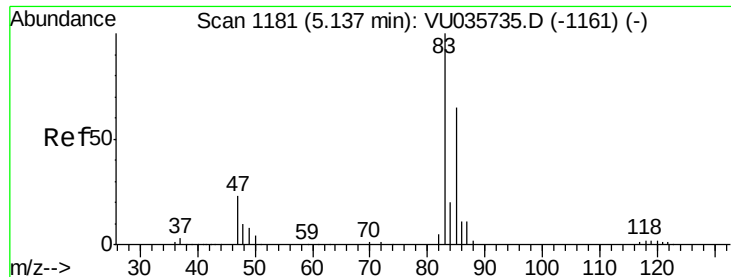
10000

5000

0

Time-->

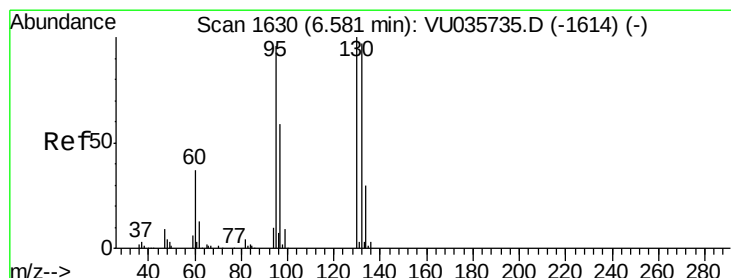
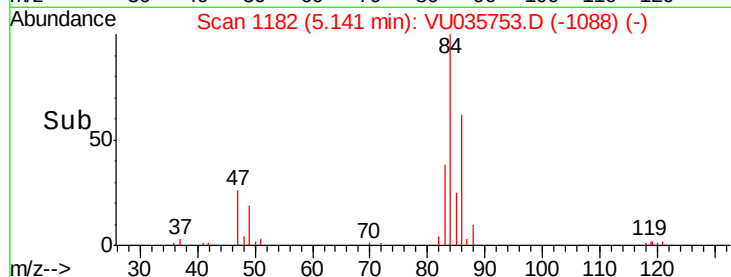
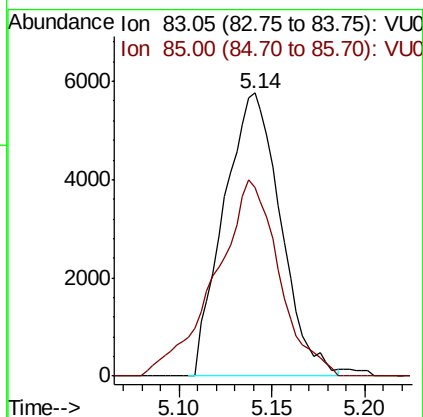
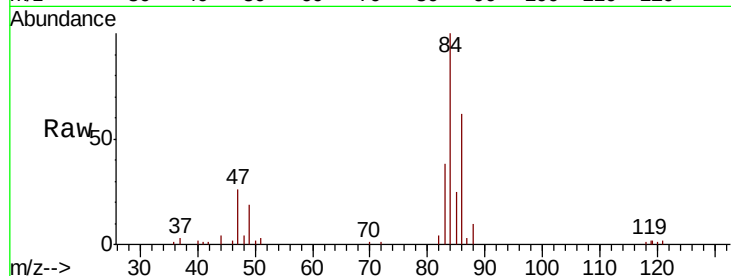




#25
Chloroform
Concen: 0.366 ug/L
RT: 5.14 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035753.D
Acq: 18 Nov 2019 19:13

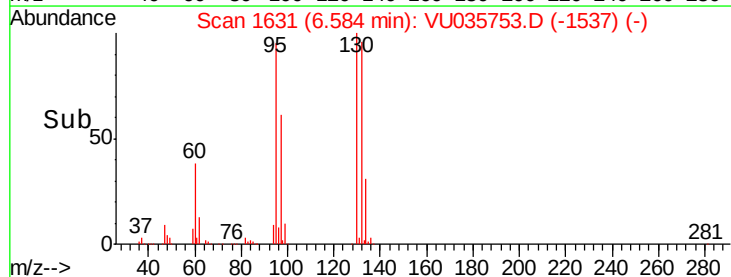
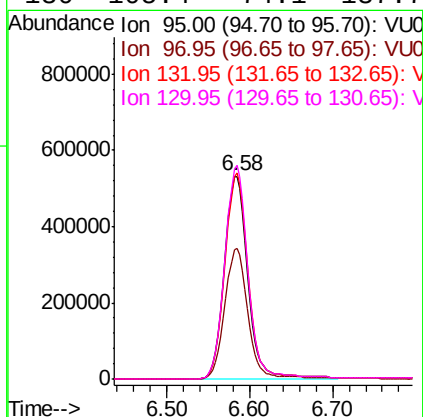
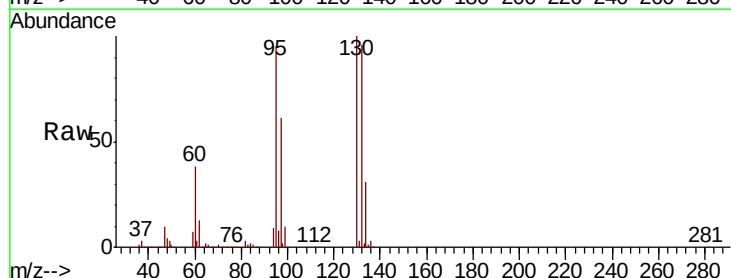
Instrument :
MSVOA_U
ClientSampleId :

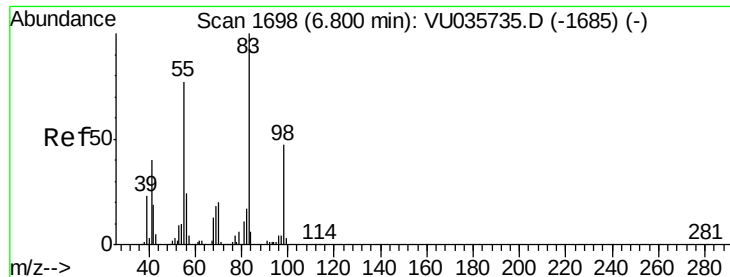
Tot Ion: 83 Resp: 12241
Ion Ratio Lower Upper
83 100
85 66.7 45.4 84.2



#34
Trichloroethene
Concen: 52.617 ug/L
RT: 6.58 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU035753.D
Acq: 18 Nov 2019 19:13

Tgt Ion: 95 Resp: 1048598
Ion Ratio Lower Upper
95 100
97 64.6 44.5 82.7
132 101.4 69.9 129.7
130 105.4 74.1 137.7

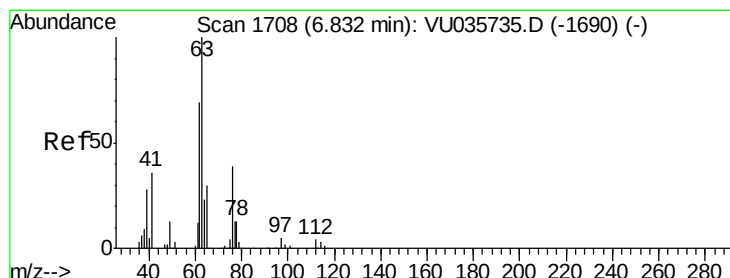
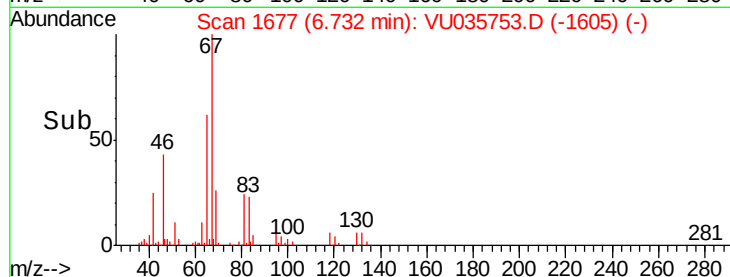
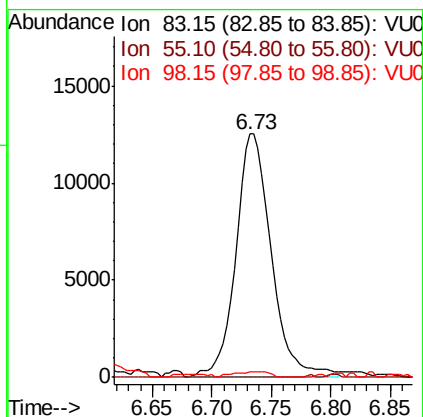
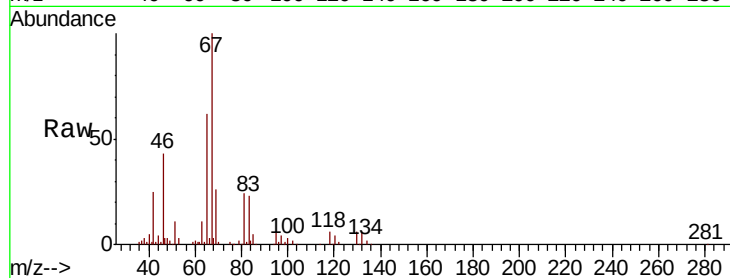




#35
Methylcyclohexane
Concen: 0.853 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.07 min
Lab File: VU035753.D
Acq: 18 Nov 2019 19:13

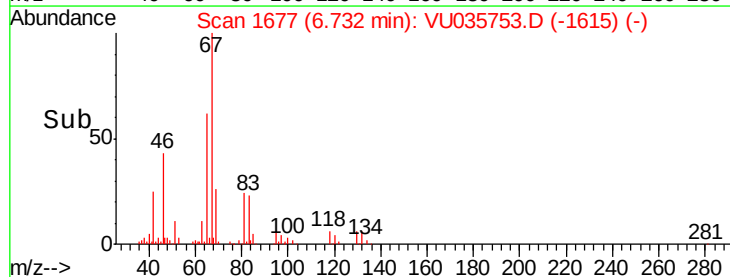
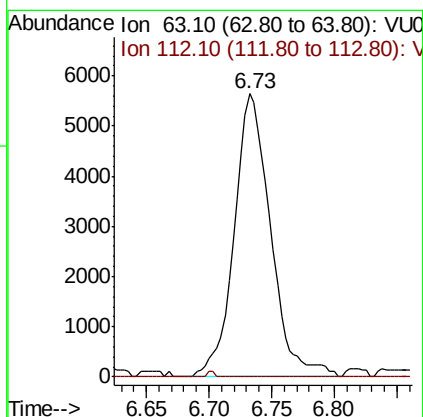
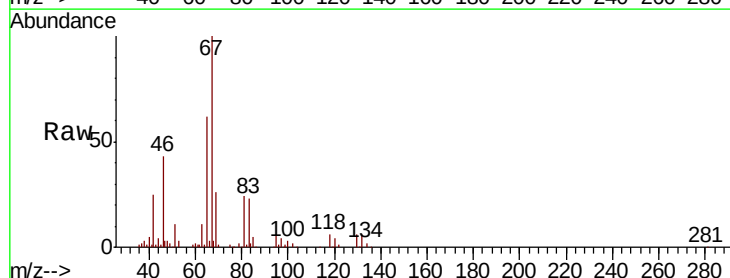
Instrument :
MSVOA_U
ClientSampleId :

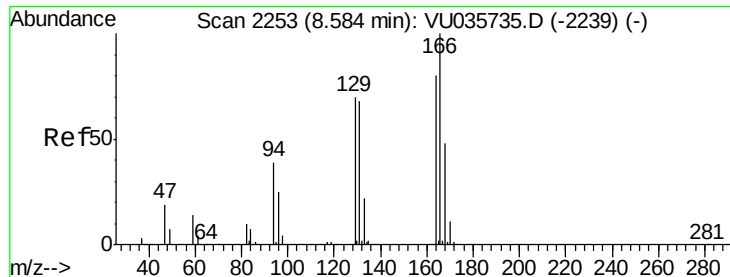
Tot Ion: 83 Resp: 25888
Ion Ratio Lower Upper
83 100
55 0.2 62.6 93.8#
98 0.0 37.2 55.8#



#37
1,2-Dichloropropane
Concen: 0.554 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.10 min
Lab File: VU035753.D
Acq: 18 Nov 2019 19:13

Tgt Ion: 63 Resp: 11377
Ion Ratio Lower Upper
63 100
112 0.3 3.4 5.2#





#47

Tetrachloroethene

Concen: 0.097 ug/L

RT: 8.59 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VU035753.D

Acq: 18 Nov 2019 19:13

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:164 Resp: 1691

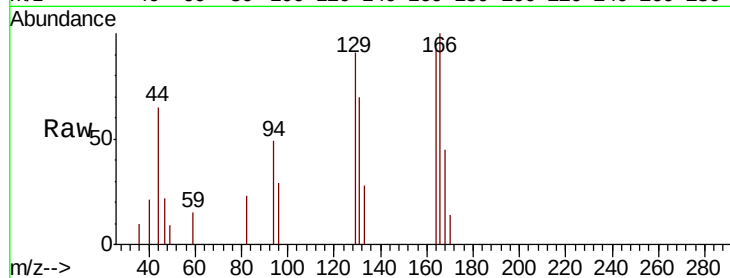
Ion Ratio Lower Upper

164 100

129 98.5 64.7 120.1

131 76.4 61.6 114.4

166 108.7 91.8 170.4

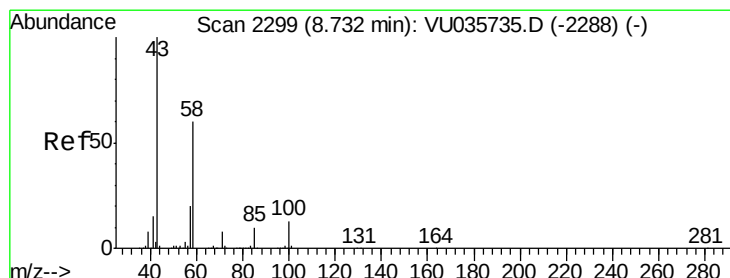
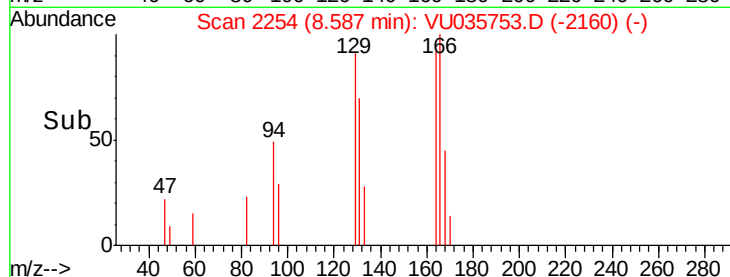
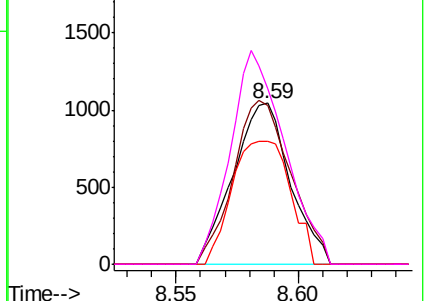


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.663 ug/L

RT: 8.71 min Scan# 2291

Delta R.T. -0.03 min

Lab File: VU035753.D

Acq: 18 Nov 2019 19:13

Tgt Ion: 43 Resp: 13942

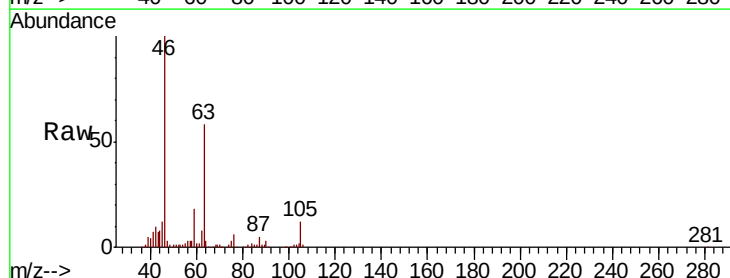
Ion Ratio Lower Upper

43 100

58 47.0 44.1 66.1

57 24.9 15.1 22.7#

100 2.9 9.4 14.2#

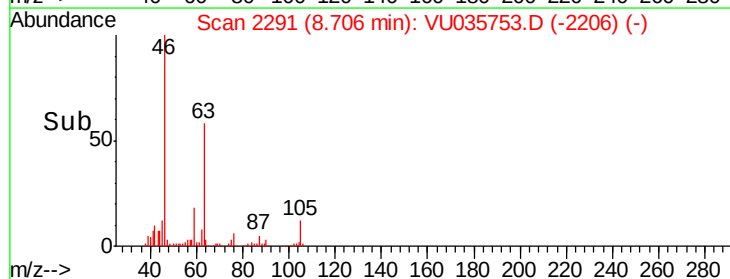
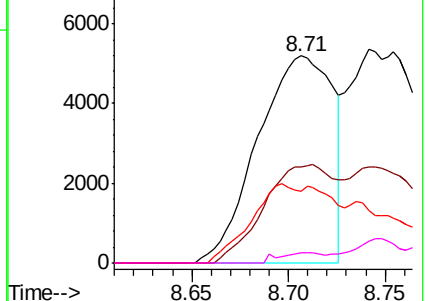


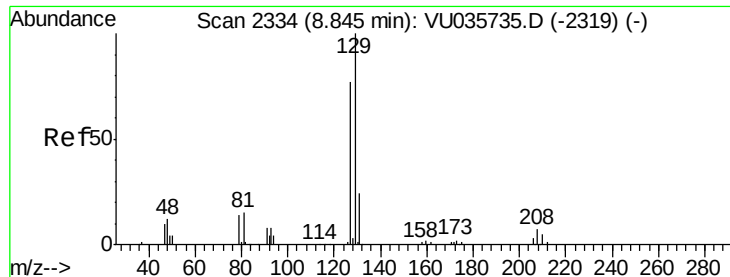
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 0.096 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.26 min

Lab File: VU035753.D

Acq: 18 Nov 2019 19:13

Instrument :

MSVOA_U

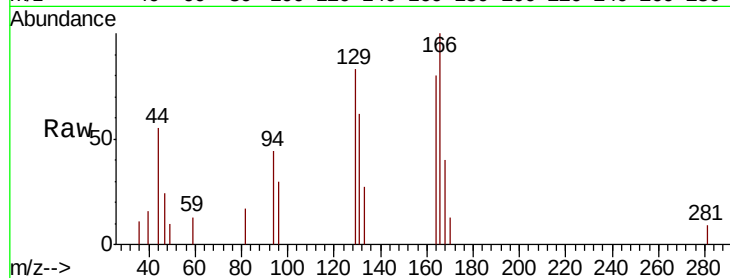
ClientSampleId :

Tot Ion:129 Resp: 1733

Ion Ratio Lower Upper

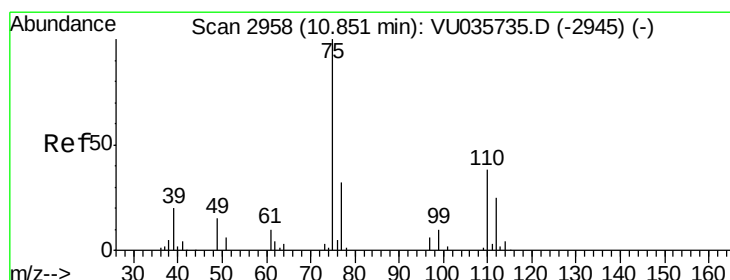
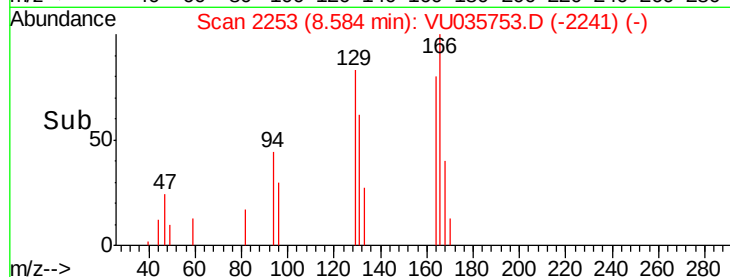
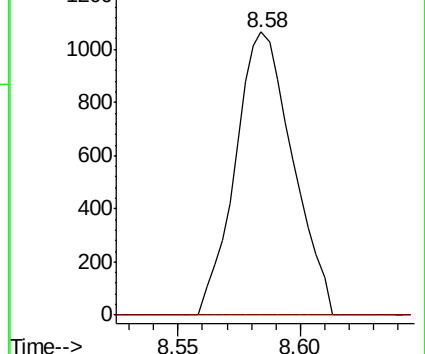
129 100

127 0.0 53.1 98.5#



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: 0.632 ug/L

RT: 11.84 min Scan# 3267

Delta R.T. 0.99 min

Lab File: VU035753.D

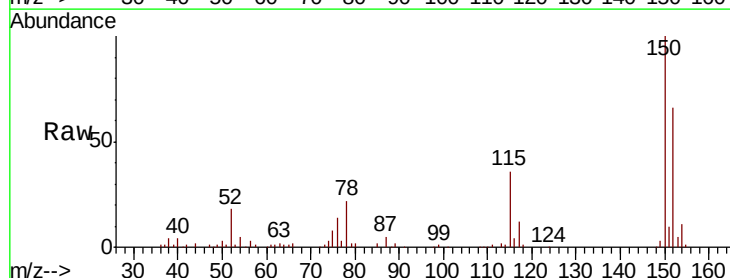
Acq: 18 Nov 2019 19:13

Tgt Ion: 75 Resp: 8583

Ion Ratio Lower Upper

75 100

77 32.7 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

