

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121019\
 Data File : VU036077.D
 Acq On : 10 Dec 2019 12:11
 Operator : JC/MD
 Sample : K6168-04DL 50X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 11 06:30:31 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	330510	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	364453	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	90558	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	139071	4.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.40%
7) Chloroethane-d5	1.93	69	126383	4.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.80%
11) 1,1-Dichloroethene-d2	2.59	63	158181	2.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.80%#
20) 2-Butanone-d5	4.69	46	214518	42.73	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.46%
24) Chloroform-d	5.11	84	209674	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
26) 1,2-Dichloroethane-d4	5.75	65	114137	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
32) Benzene-d6	5.77	84	424425	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
36) 1,2-Dichloropropane-d6	6.73	67	139264	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.20%
41) Toluene-d8	7.93	98	355220	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.40%
43) trans-1,3-Dichloropropene-	8.21	79	48903	4.22	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.40%
46) 2-Hexanone-d5	8.70	63	173720	41.41	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.82%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	106841	4.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	84388	4.84	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.80%

Target Compounds

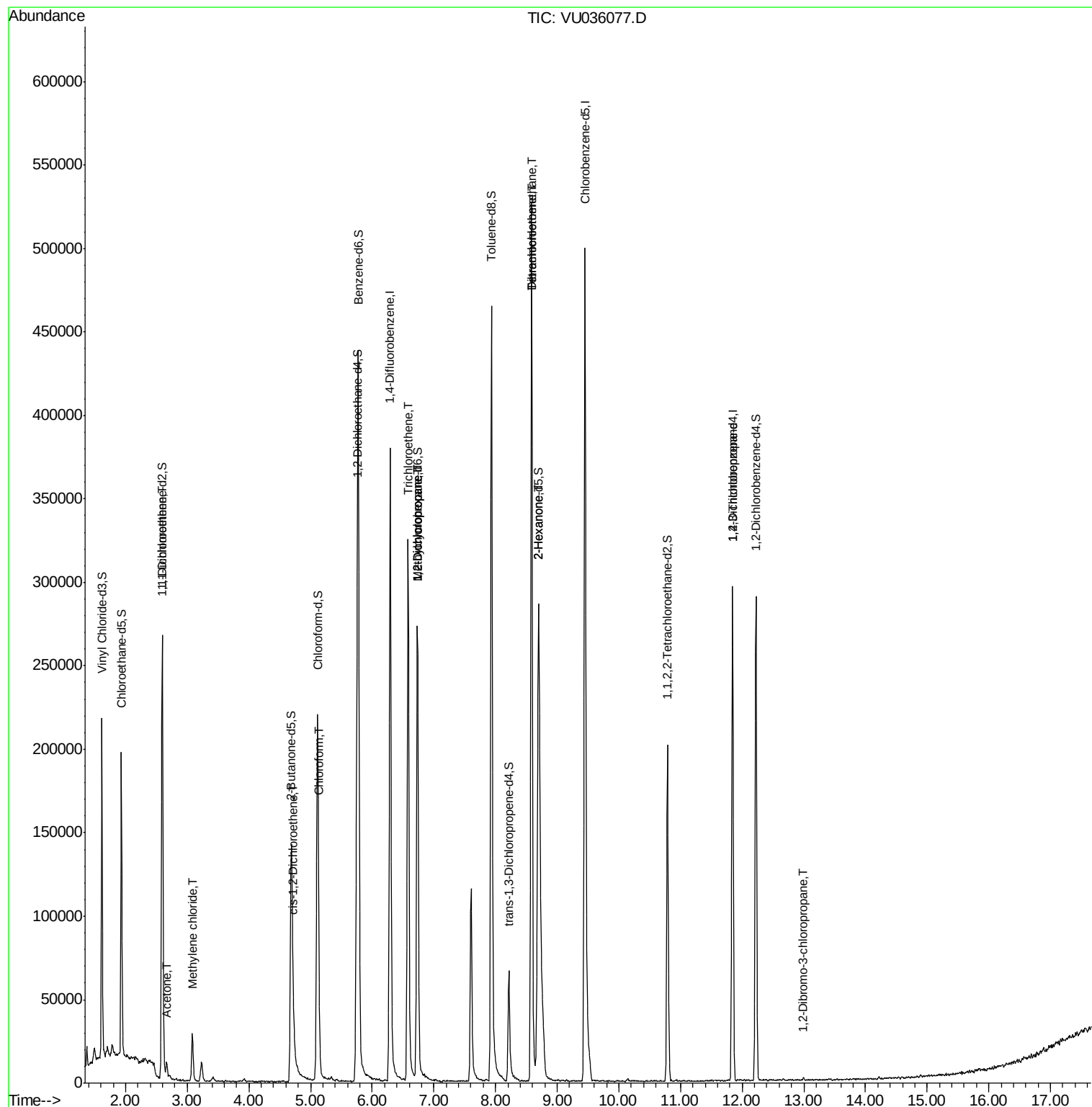
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.61	96	3094	0.108	ug/L #	1
13) Acetone	2.66	43	9524	1.495	ug/L	96
16) Methylene chloride	3.08	84	13886	0.416	ug/L	93
22) cis-1,2-Dichloroethene	4.72	96	7502	0.291	ug/L	92
25) Chloroform	5.14	83	14909	0.304	ug/L	98
34) Trichloroethene	6.58	95	114744	4.339	ug/L	97
35) Methylcyclohexane	6.73	83	33091	0.933	ug/L #	19
37) 1,2-Dichloropropane	6.74	63	14330	0.573	ug/L #	87
47) Tetrachloroethene	8.58	164	131958	5.248	ug/L	98
48) 2-Hexanone	8.70	43	23448	2.505	ug/L #	71
49) Dibromochloromethane	8.58	129	116301	4.454	ug/L #	12
59) 1,2,3-Trichloropropane	11.84	75	10506	0.588	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.99	75	316	0.172	ug/L #	1

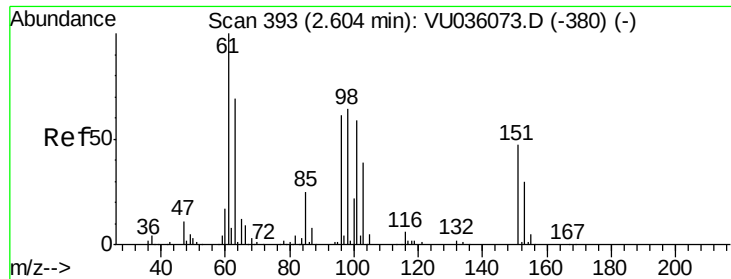
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Dec 11 06:27:41 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.108 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036077.D

Acq: 10 Dec 2019 12:11

Instrument :

MSVOA_U

ClientSampleId :

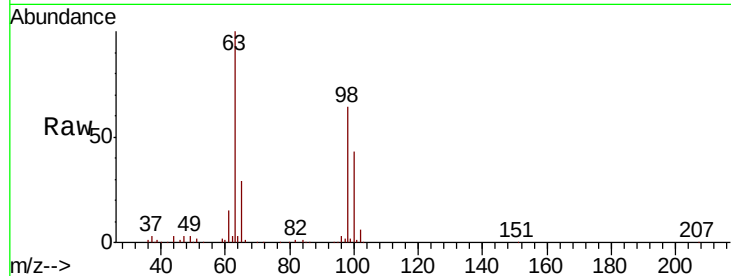
Tot Ion: 96 Resp: 3094

Ion Ratio Lower Upper

96 100

61 518.8 104.3 193.7#

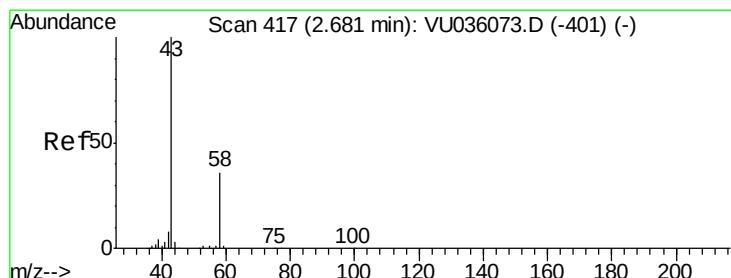
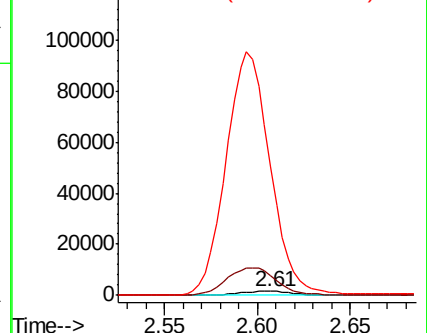
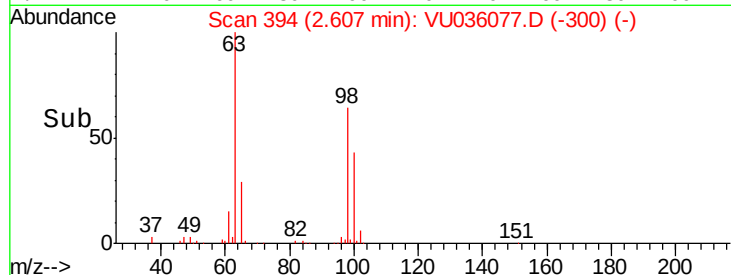
63 3407.4 65.6 121.8#



Abundance Ion 96.00 (95.70 to 96.70): VU036077.D (-300) (-)

Ion 61.05 (60.75 to 61.75): VU036077.D (-300) (-)

Ion 63.00 (62.70 to 63.70): VU036077.D (-300) (-)



#13

Acetone

Concen: 1.495 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.02 min

Lab File: VU036077.D

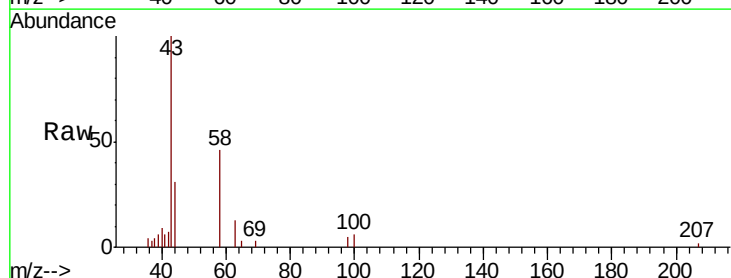
Acq: 10 Dec 2019 12:11

Tgt Ion: 43 Resp: 9524

Ion Ratio Lower Upper

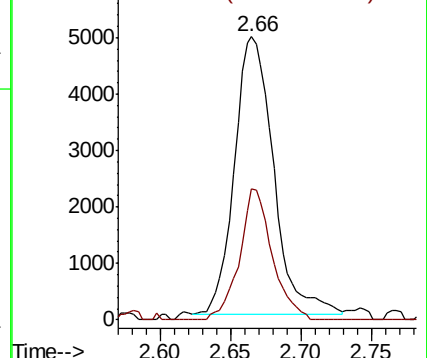
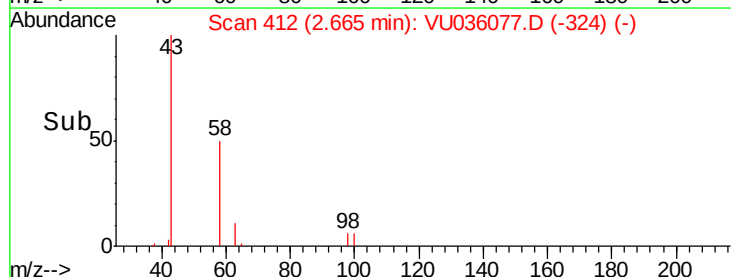
43 100

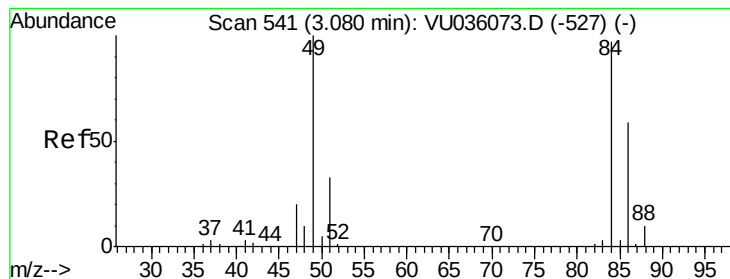
58 39.5 0.0 74.2



Abundance Ion 43.05 (42.75 to 43.75): VU036077.D (-324) (-)

Ion 58.05 (57.75 to 58.75): VU036077.D (-324) (-)





#16

Methylene chloride

Concen: 0.416 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU036077.D

Acq: 10 Dec 2019 12:11

Instrument :

MSVOA_U

ClientSampleId :

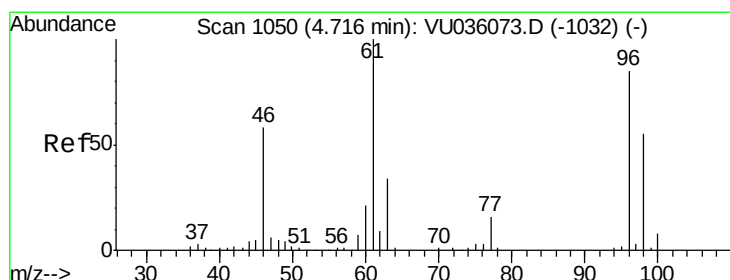
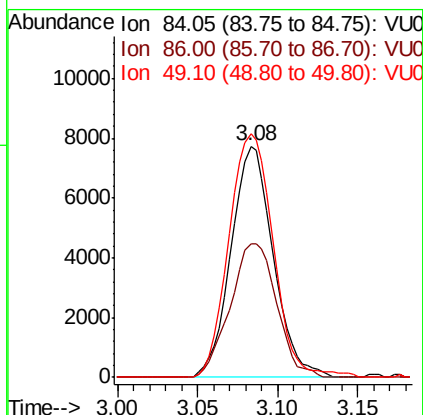
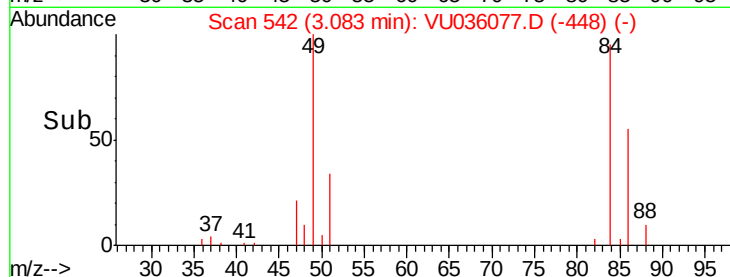
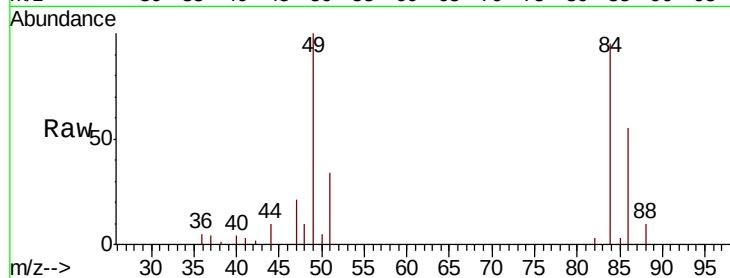
Tot Ion: 84 Resp: 13886

Ion Ratio Lower Upper

84 100

86 58.0 47.5 88.3

49 105.4 76.9 142.9



#22

cis-1,2-Dichloroethene

Concen: 0.291 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VU036077.D

Acq: 10 Dec 2019 12:11

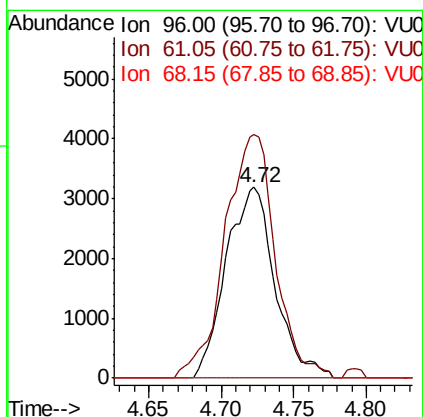
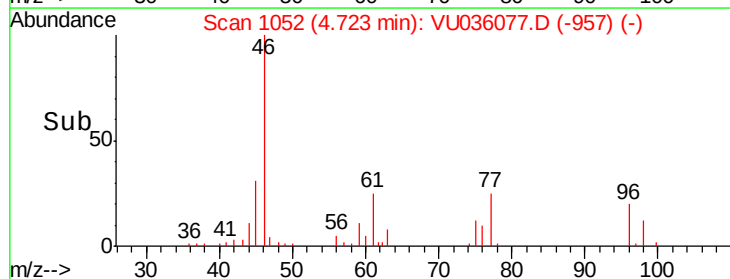
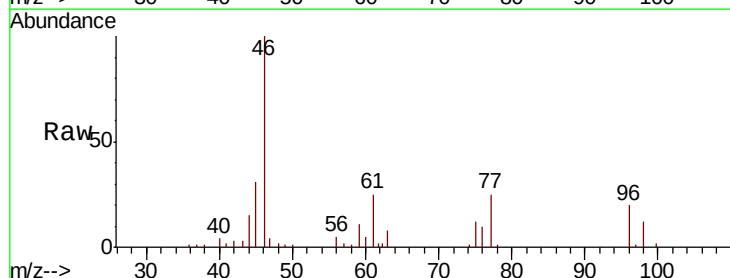
Tgt Ion: 96 Resp: 7502

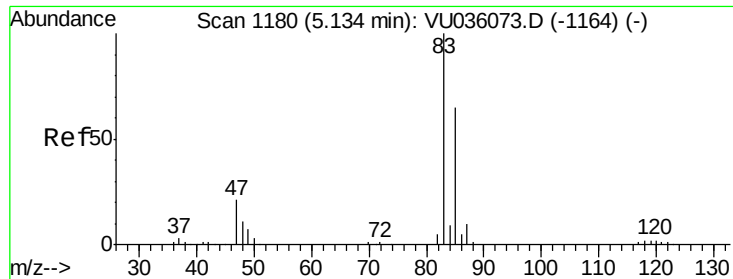
Ion Ratio Lower Upper

96 100

61 127.7 83.0 154.2

68 0.0 0.0 0.0

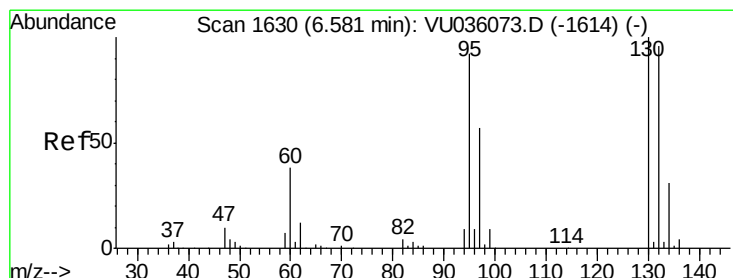
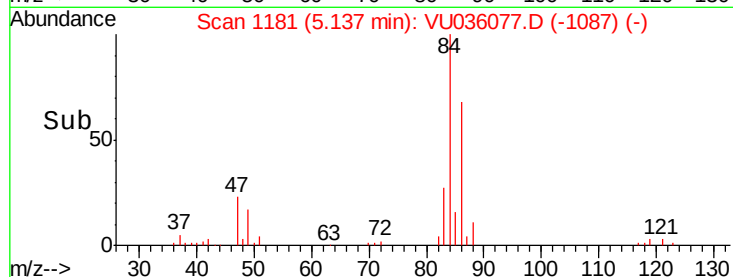
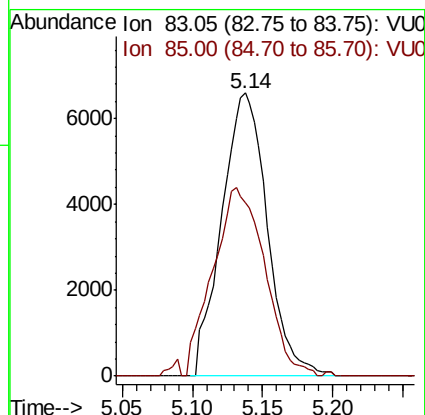
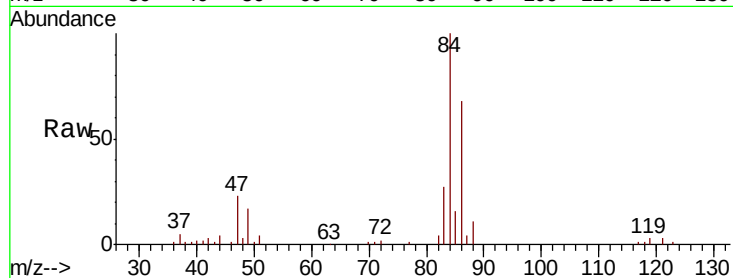




#25
Chloroform
Concen: 0.304 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU036077.D
Acq: 10 Dec 2019 12:11

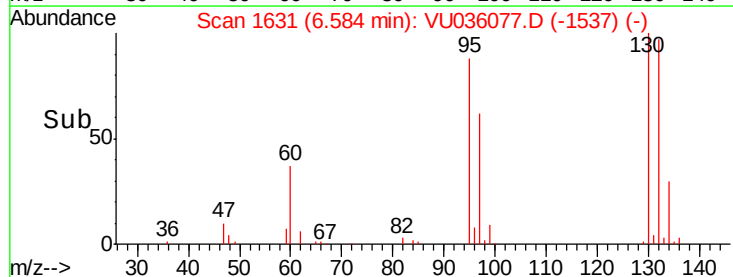
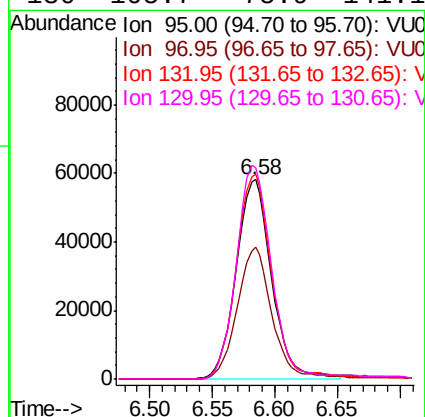
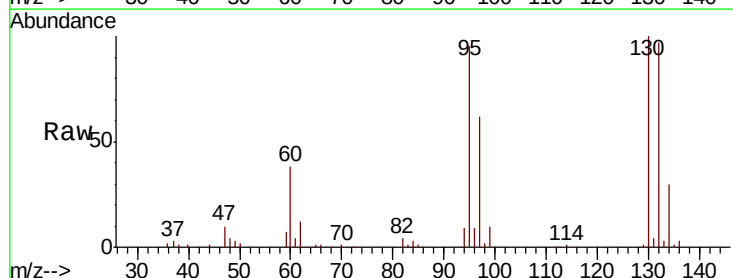
Instrument :
MSVOA_U
ClientSampleId :

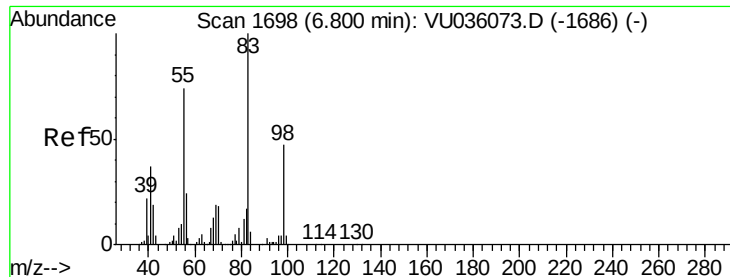
Tot Ion: 83 Resp: 14909
Ion Ratio Lower Upper
83 100
85 61.3 43.9 81.5



#34
Trichloroethene
Concen: 4.339 ug/L
RT: 6.58 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU036077.D
Acq: 10 Dec 2019 12:11

Tgt Ion: 95 Resp: 114744
Ion Ratio Lower Upper
95 100
97 65.9 44.4 82.4
132 102.7 73.4 136.4
130 105.7 75.9 141.1

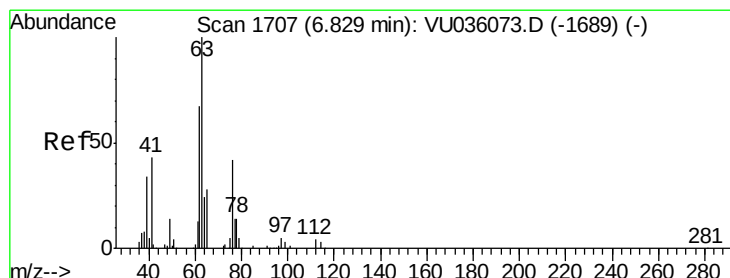
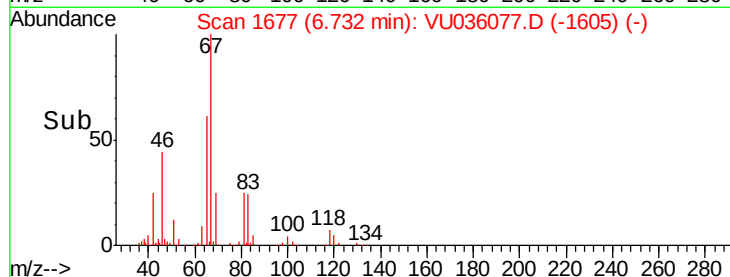
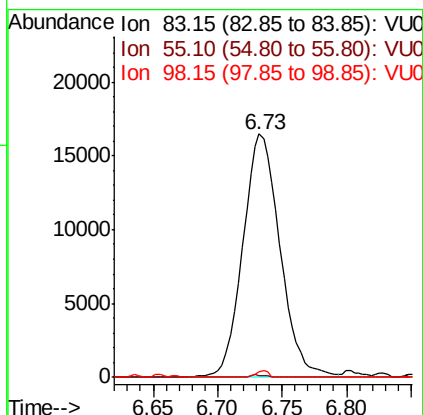
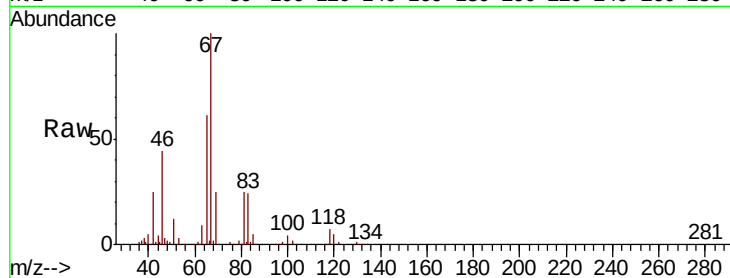




#35
Methvlcvclohexane
Concen: 0.933 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.07 min
Lab File: VU036077.D
Acq: 10 Dec 2019 12:11

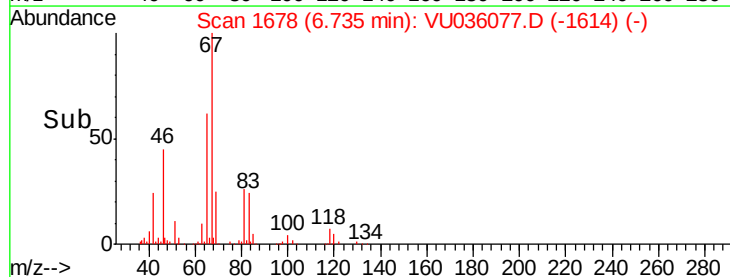
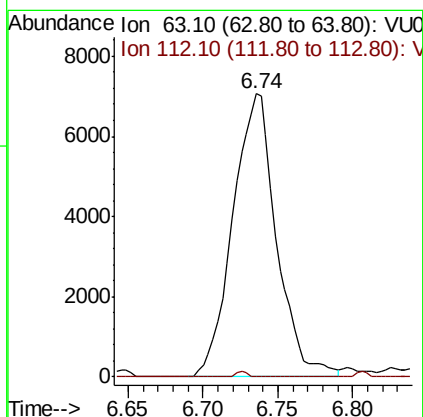
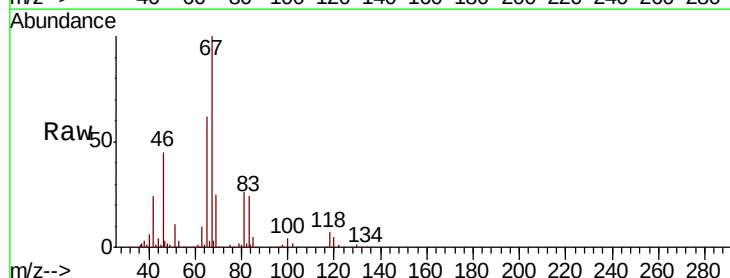
Instrument :
MSVOA_U
ClientSampleId :

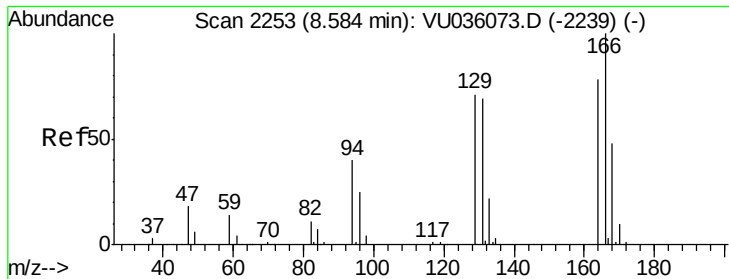
Tot Ion: 83 Resp: 33091
Ion Ratio Lower Upper
83 100
55 0.4 62.1 93.1#
98 0.9 37.0 55.4#



#37
1,2-Dichloropropane
Concen: 0.573 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.09 min
Lab File: VU036077.D
Acq: 10 Dec 2019 12:11

Tgt Ion: 63 Resp: 14330
Ion Ratio Lower Upper
63 100
112 0.5 3.8 5.8#





#47

Tetrachloroethene

Concen: 5.248 ug/L

RT: 8.58 min Scan# 2253

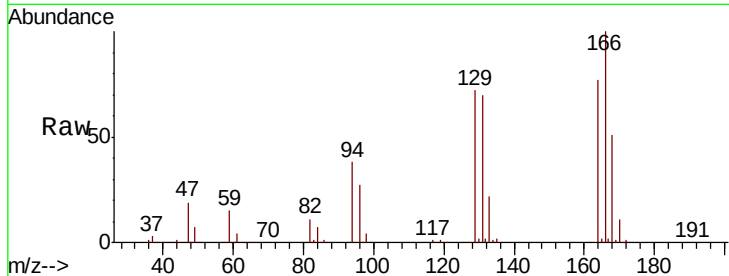
Delta R.T. 0.00 min

Lab File: VU036077.D

Acq: 10 Dec 2019 12:11

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:164	Resp:	131958
Ion	Ratio	Lower Upper
164	100	
129	93.3	63.1 117.3
131	89.8	61.5 114.1
166	129.1	91.0 169.0



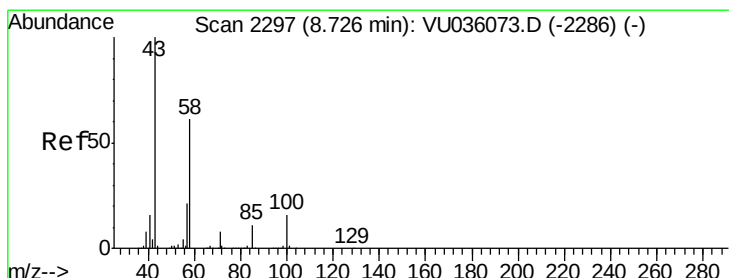
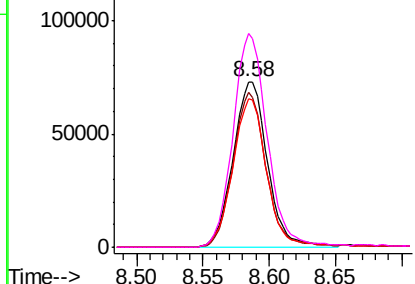
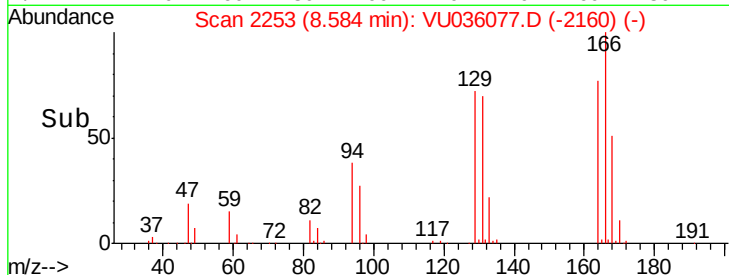
Abundance

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: 2.505 ug/L

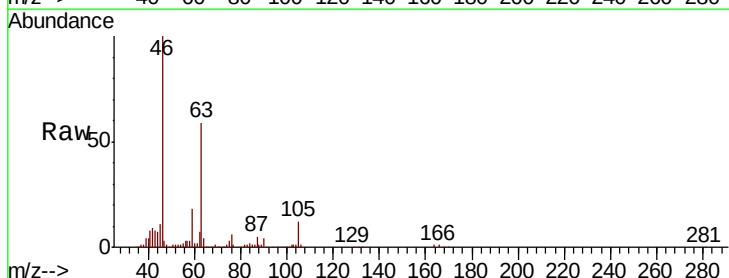
RT: 8.70 min Scan# 2290

Delta R.T. -0.02 min

Lab File: VU036077.D

Acq: 10 Dec 2019 12:11

Tgt Ion: 43	Resp:	23448
Ion	Ratio	Lower Upper
43	100	
58	30.2	46.9 70.3#
57	19.7	16.4 24.6
100	2.2	11.0 16.4#



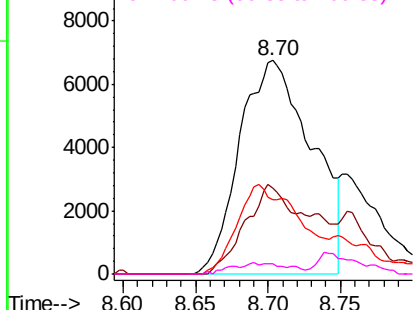
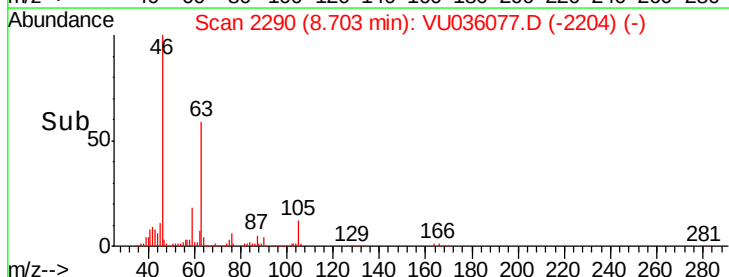
Abundance

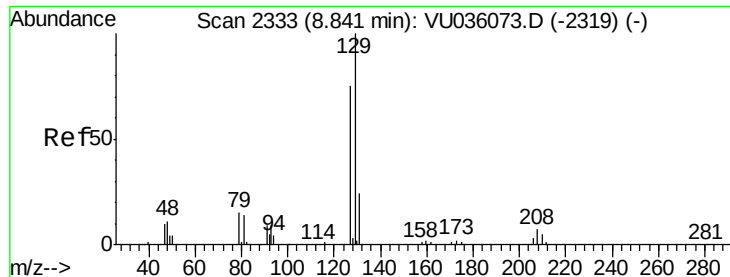
Ion 43.05 (42.75 to 43.75): VU0

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: 4.454 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.26 min

Lab File: VU036077.D

Acq: 10 Dec 2019 12:11

Instrument :

MSVOA_U

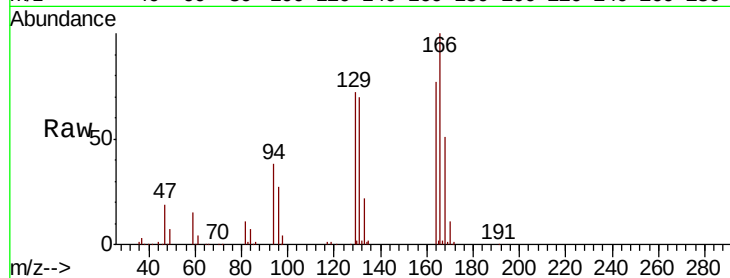
ClientSampled :

Tot Ion:129 Resp: 116301

Ion Ratio Lower Upper

129 100

127 0.1 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

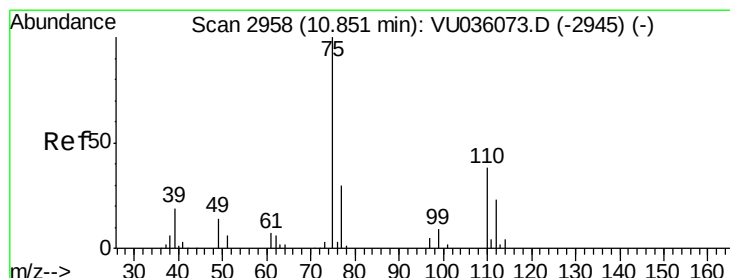
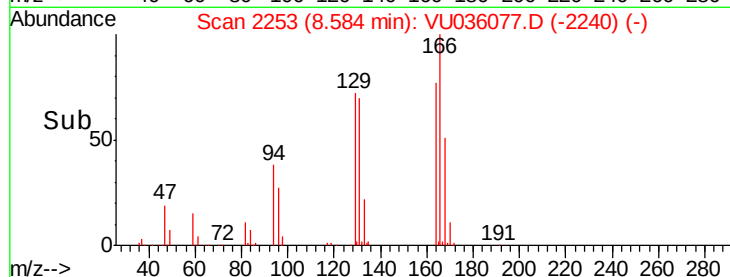
80000

60000

40000

20000

Time--> 8.50 8.55 8.60 8.65



#59

1,2,3-Trichloropropane

Concen: 0.588 ug/L

RT: 11.84 min Scan# 3267

Delta R.T. 0.99 min

Lab File: VU036077.D

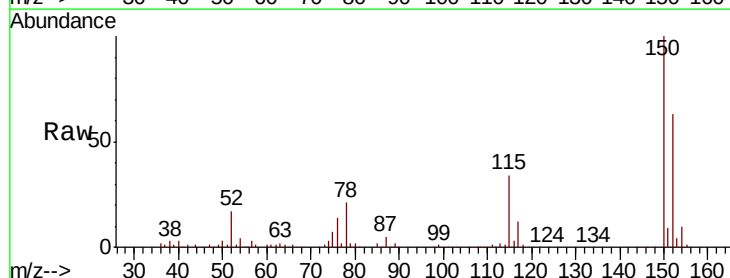
Acq: 10 Dec 2019 12:11

Tgt Ion: 75 Resp: 10506

Ion Ratio Lower Upper

75 100

77 36.0 26.7 40.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

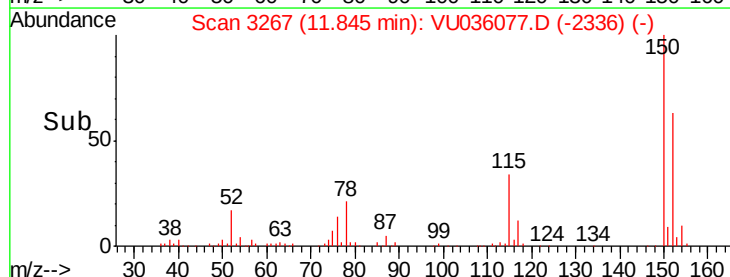
11.84

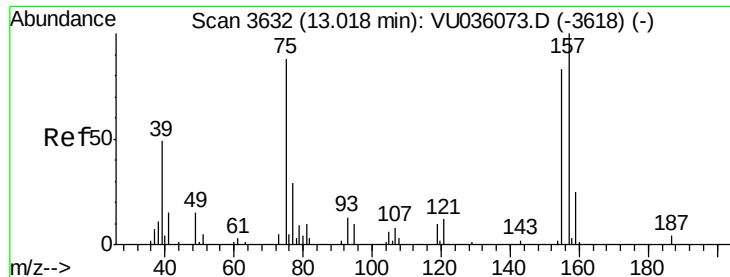
6000

4000

2000

Time--> 11.80 11.85 11.90





#66

1,2-Dibromo-3-chloropropane

Concen: 0.172 ug/L

RT: 12.99 min Scan# 3624

Delta R.T. -0.03 min

Lab File: VU036077.D

Acq: 10 Dec 2019 12:11

Instrument :

MSVOA_U

ClientSampleId :

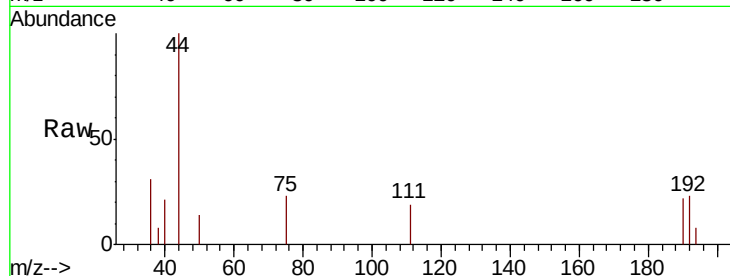
Tot Ion: 75 Resp: 316

Ion Ratio Lower Upper

75 100

155 0.0 70.0 105.0#

157 0.0 90.5 135.7#



Abundance Ion 75.05 (74.75 to 75.75): VU036077.D (-3539) (-)

Ion 154.95 (154.65 to 155.65): VU036077.D (-3539) (-)

Ion 156.90 (156.60 to 157.60): VU036077.D (-3539) (-)

