

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121019\
 Data File : VU036096.D
 Acq On : 10 Dec 2019 20:25
 Operator : JC/MD
 Sample : K6168-18
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 11 06:33:04 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	281277	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	321563	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	83638	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	133751	5.34	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.80%
7) Chloroethane-d5	1.93	69	128402	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.60%
11) 1,1-Dichloroethene-d2	2.59	63	144721	3.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.20%
20) 2-Butanone-d5	4.69	46	240155	56.22	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.44%
24) Chloroform-d	5.11	84	196656	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
26) 1,2-Dichloroethane-d4	5.75	65	113517	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.80%
32) Benzene-d6	5.77	84	412225	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
36) 1,2-Dichloropropane-d6	6.73	67	133657	5.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.00%
41) Toluene-d8	7.93	98	338434	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
43) trans-1,3-Dichloropropene-	8.21	79	47415	4.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.80%
46) 2-Hexanone-d5	8.70	63	201003	54.30	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.60%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	118725	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	86596	5.38	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.60%

Target Compounds

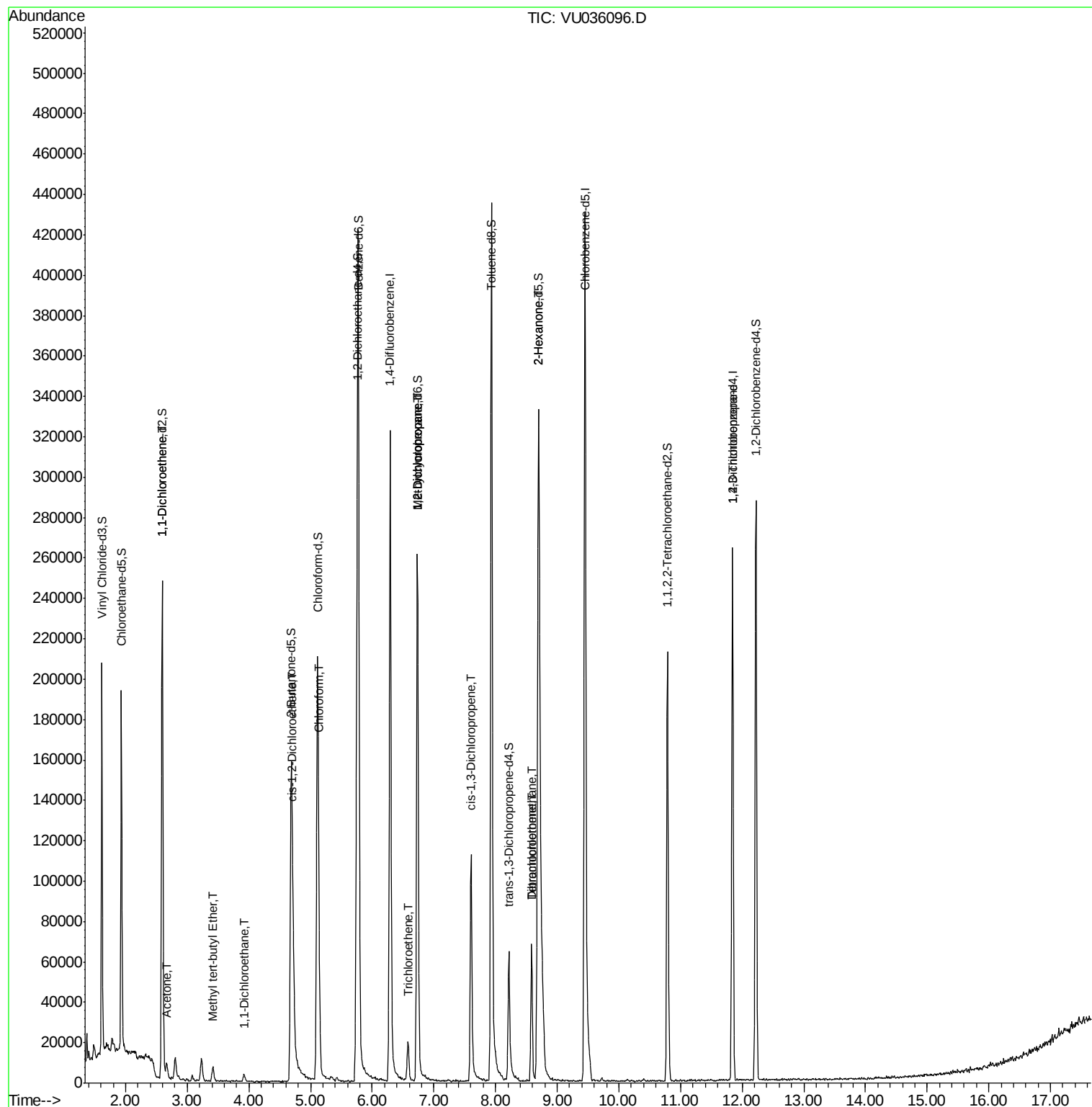
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.60	96	1751	0.072	ug/L #	1
13) Acetone	2.67	43	8839	1.630	ug/L	89
17) Methyl tert-butyl Ether	3.42	73	7520	0.178	ug/L	99
19) 1,1-Dichloroethane	3.92	63	4169	0.111	ug/L	87
22) cis-1,2-Dichloroethene	4.72	96	20288	0.925	ug/L	98
25) Chloroform	5.14	83	35048	0.839	ug/L	97
34) Trichloroethene	6.58	95	6325	0.271	ug/L	87
35) Methylcyclohexane	6.73	83	32526	1.039	ug/L #	19
37) 1,2-Dichloropropane	6.74	63	13800	0.626	ug/L #	87
39) cis-1,3-Dichloropropene	7.60	75	2934	0.098	ug/L #	51
47) Tetrachloroethene	8.58	164	17396	0.784	ug/L	93
48) 2-Hexanone	8.70	43	31202	3.777	ug/L #	63
49) Dibromochloromethane	8.59	129	15166	0.658	ug/L #	12
59) 1,2,3-Trichloropropane	11.84	75	8416	0.534	ug/L	94

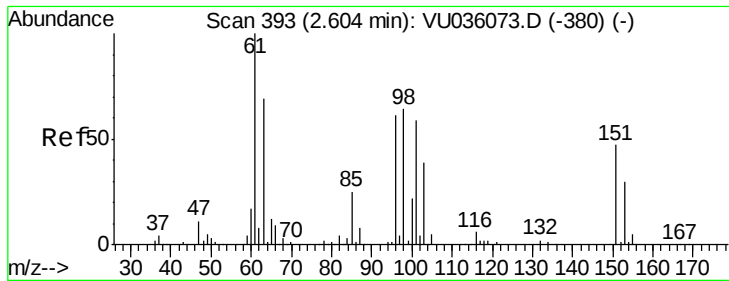
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 11 06:27:41 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.072 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU036096.D

Acq: 10 Dec 2019 20:25

Instrument :

MSVOA_U

ClientSampleId :

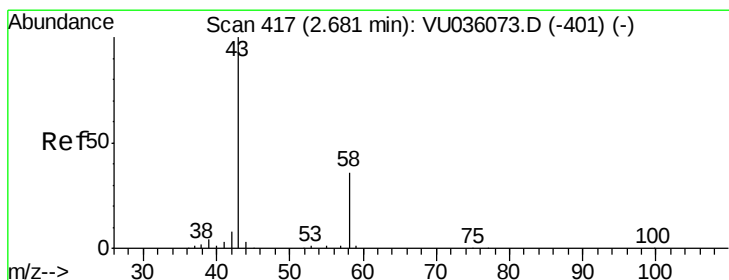
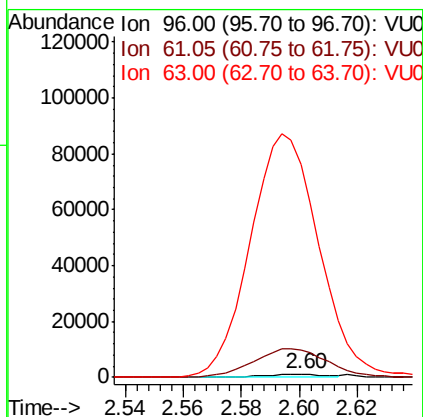
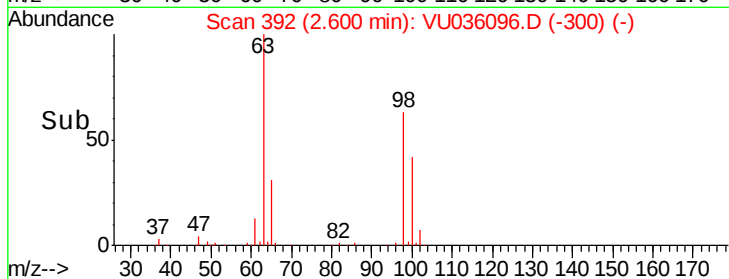
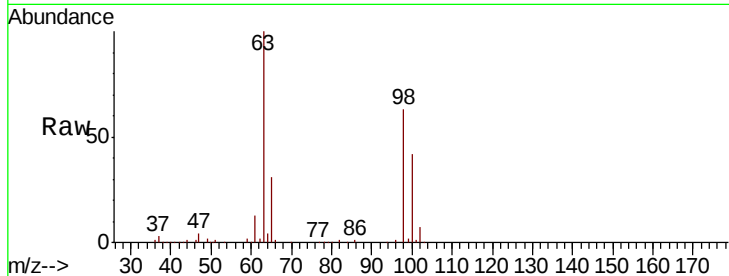
Tot Ion: 96 Resp: 1751

Ion Ratio Lower Upper

96 100

61 915.4 104.3 193.7#

63 7078.9 65.6 121.8#



#13

Acetone

Concen: 1.630 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.01 min

Lab File: VU036096.D

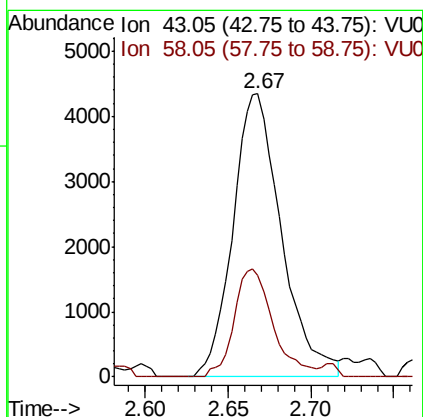
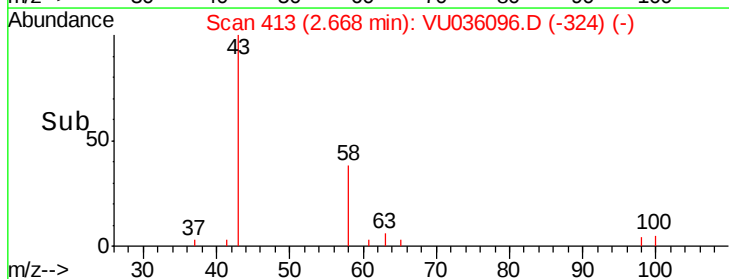
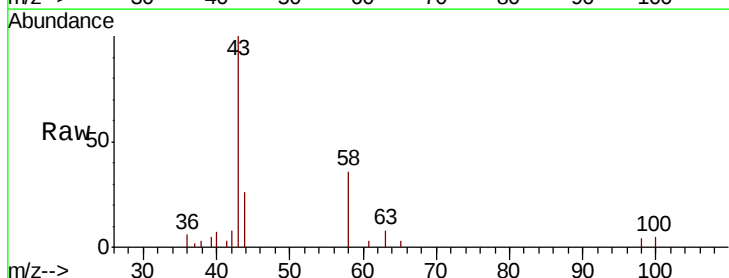
Acq: 10 Dec 2019 20:25

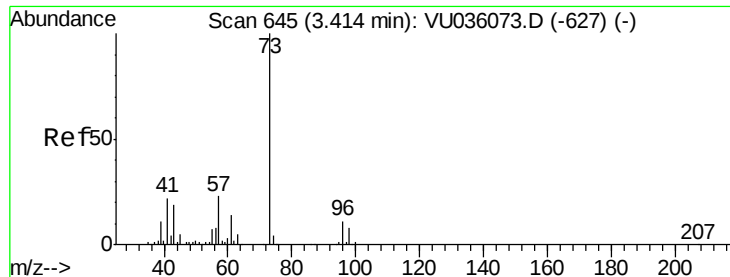
Tgt Ion: 43 Resp: 8839

Ion Ratio Lower Upper

43 100

58 30.7 0.0 74.2



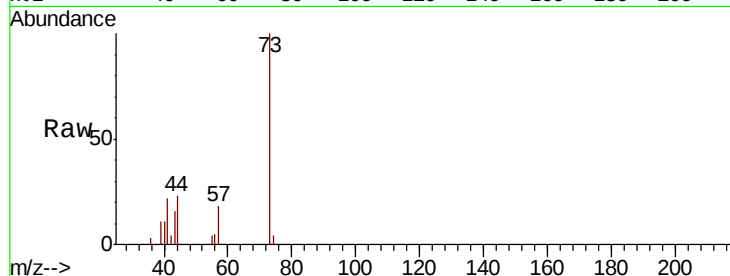


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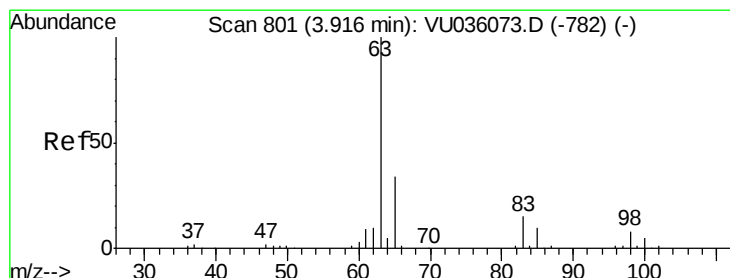
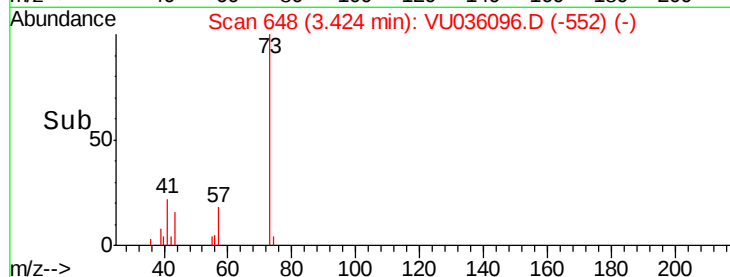
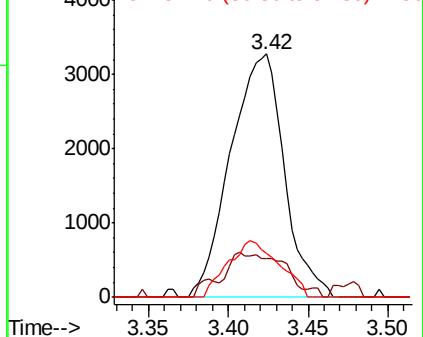
Methvl tert-butvl Ether
 Concen: 0.178 ug/L
 RT: 3.42 min Scan# 648
 Delta R.T. 0.01 min
 Lab File: VU036096.D
 Acq: 10 Dec 2019 20:25

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 73 Resp: 7520
 Ion Ratio Lower Upper
 73 100
 43 19.1 15.6 23.4
 57 22.2 17.4 26.2



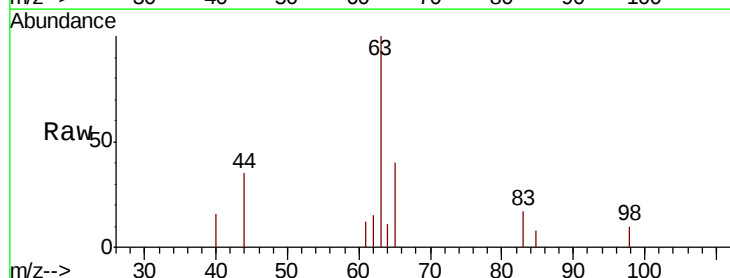
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



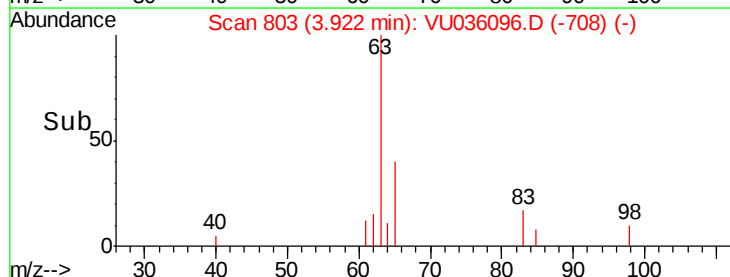
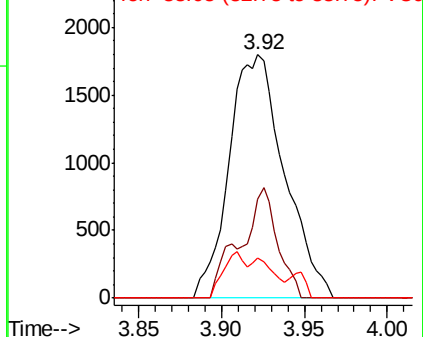
#19

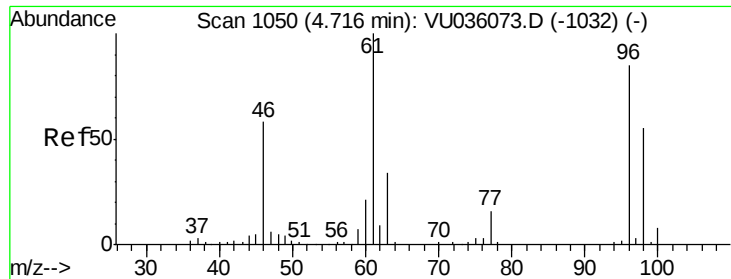
1,1-Dichloroethane
 Concen: 0.111 ug/L
 RT: 3.92 min Scan# 803
 Delta R.T. 0.01 min
 Lab File: VU036096.D
 Acq: 10 Dec 2019 20:25

Tgt Ion: 63 Resp: 4169
 Ion Ratio Lower Upper
 63 100
 65 40.4 21.8 40.4
 83 16.6 10.1 18.9



Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

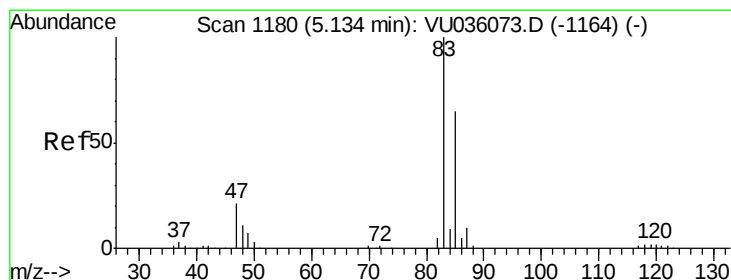
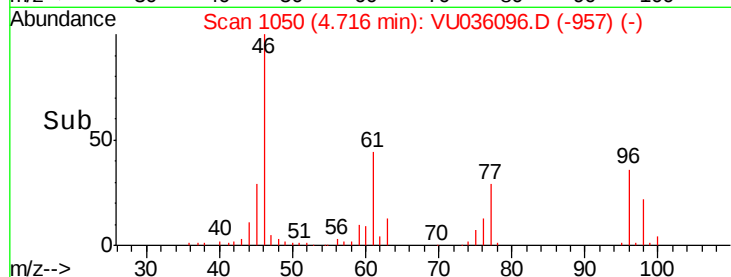
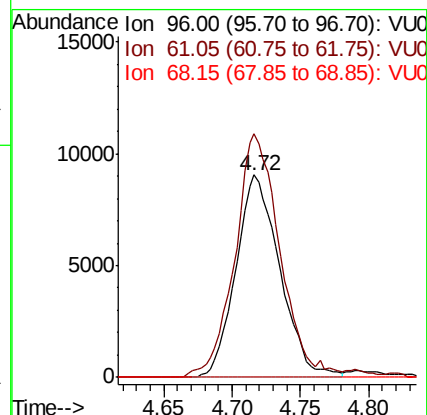
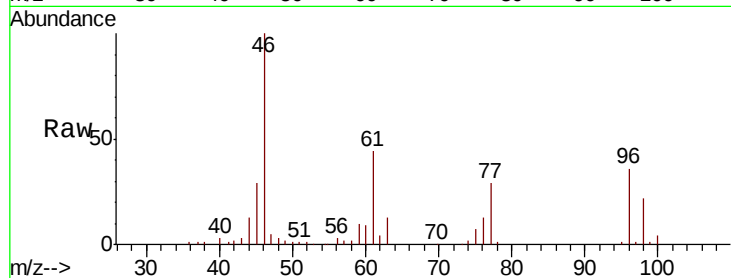




#22
 cis-1,2-Dichloroethene
 Concen: 0.925 ug/L
 RT: 4.72 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU036096.D
 Acq: 10 Dec 2019 20:25

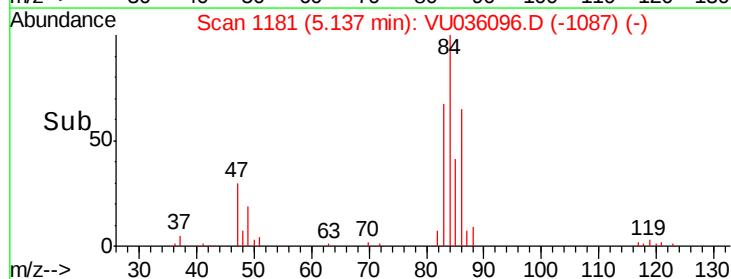
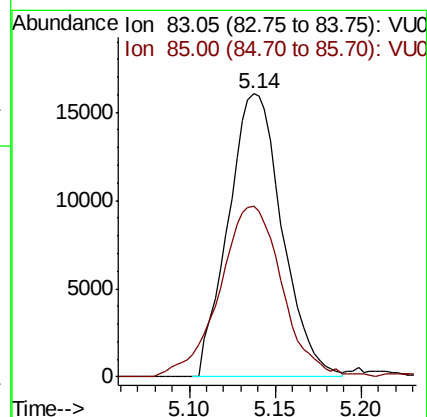
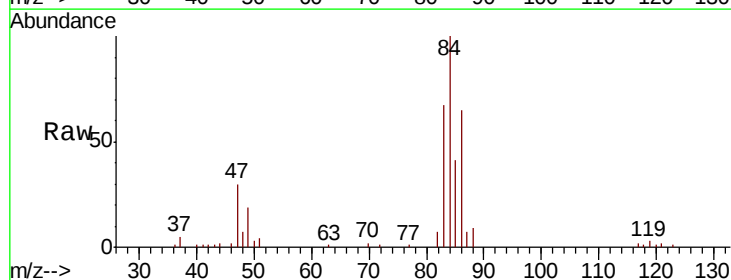
Instrument :
 MSVOA_U
 ClientSampleId :

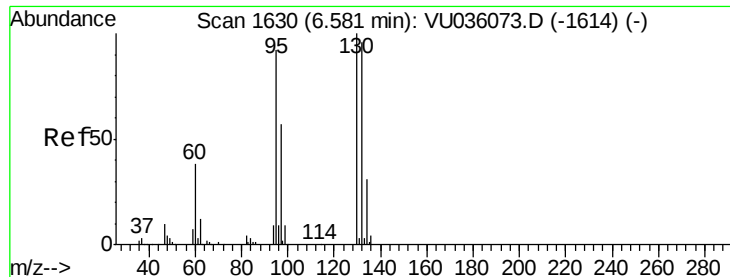
Tot Ion: 96 Resp: 20288
 Ion Ratio Lower Upper
 96 100
 61 120.3 83.0 154.2
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.839 ug/L
 RT: 5.14 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VU036096.D
 Acq: 10 Dec 2019 20:25

Tgt Ion: 83 Resp: 35048
 Ion Ratio Lower Upper
 83 100
 85 60.2 43.9 81.5

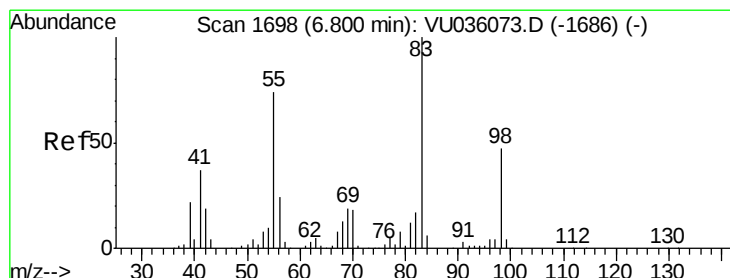
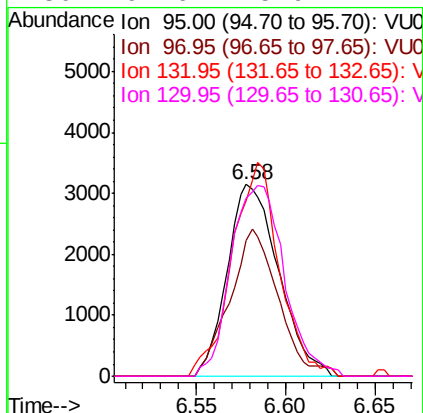
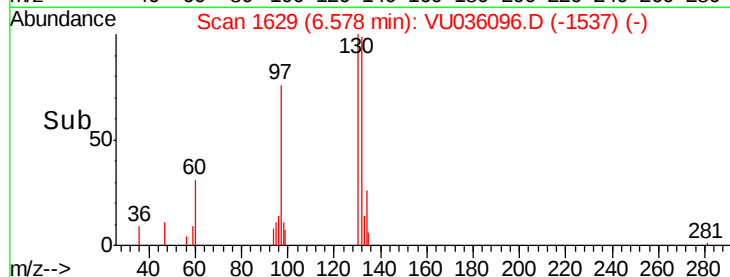
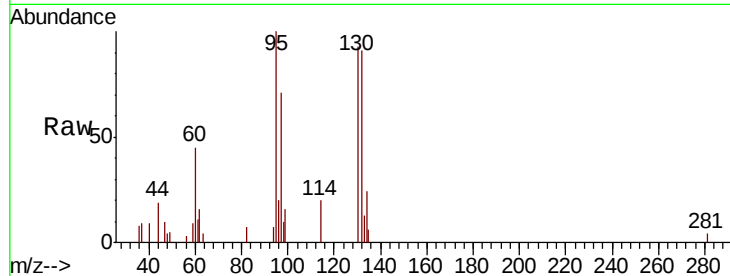




#34
 Trichloroethene
 Concen: 0.271 ug/L
 RT: 6.58 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VU036096.D
 Acq: 10 Dec 2019 20:25

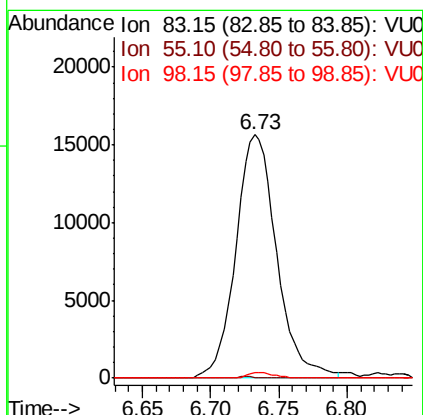
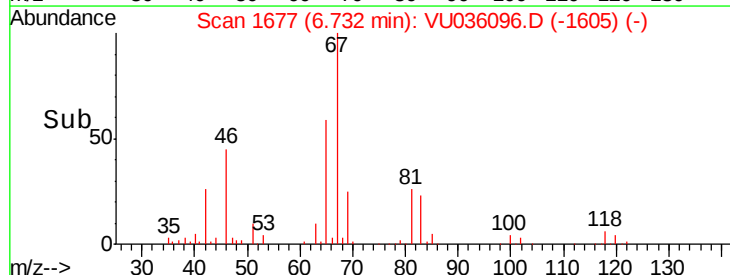
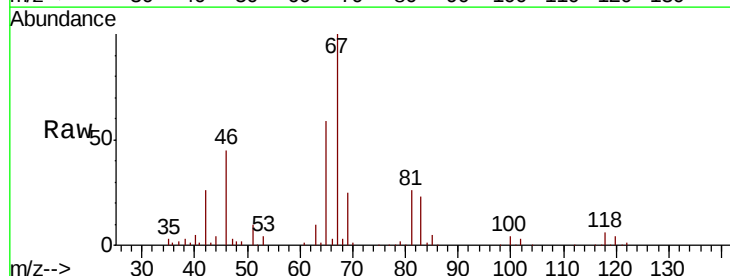
Instrument :
 MSVOA_U
 ClientSampled :

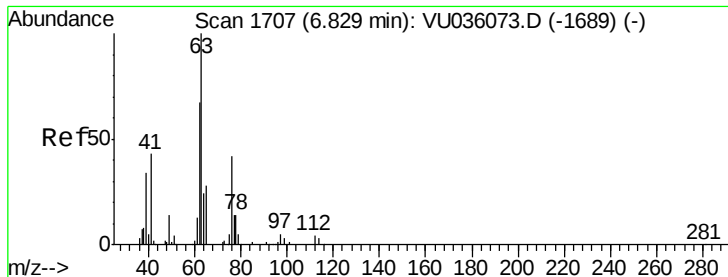
Tot Ion: 95 Resp: 6325
 Ion Ratio Lower Upper
 95 100
 97 70.7 44.4 82.4
 132 91.4 73.4 136.4
 130 92.6 75.9 141.1



#35
 Methylcyclohexane
 Concen: 1.039 ug/L
 RT: 6.73 min Scan# 1677
 Delta R.T. -0.07 min
 Lab File: VU036096.D
 Acq: 10 Dec 2019 20:25

Tgt Ion: 83 Resp: 32526
 Ion Ratio Lower Upper
 83 100
 55 0.2 62.1 93.1#
 98 1.4 37.0 55.4#





#37

1,2-Dichloropropane

Concen: 0.626 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.09 min

Lab File: VU036096.D

Acq: 10 Dec 2019 20:25

Instrument :

MSVOA_U

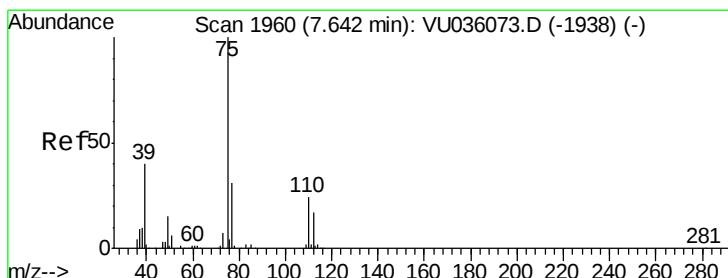
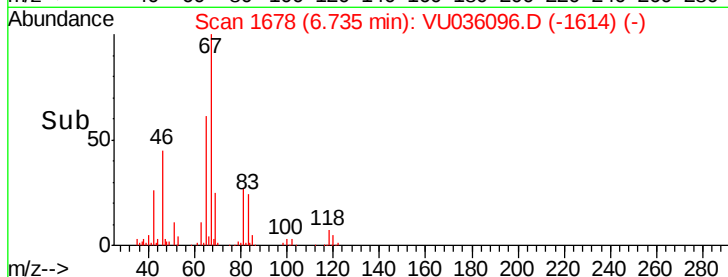
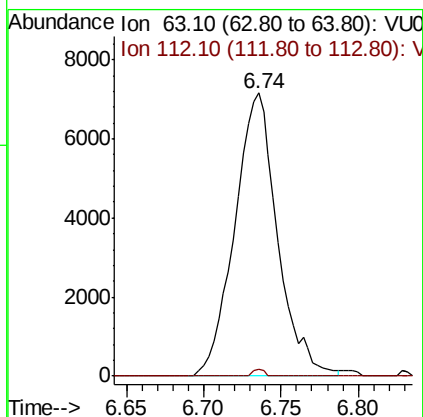
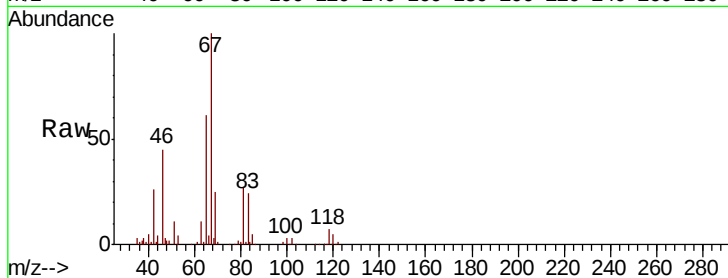
ClientSampleId :

Tot Ion: 63 Resp: 13800

Ion Ratio Lower Upper

63 100

112 0.6 3.8 5.8#



#39

cis-1,3-Dichloropropene

Concen: 0.098 ug/L

RT: 7.60 min Scan# 1947

Delta R.T. -0.04 min

Lab File: VU036096.D

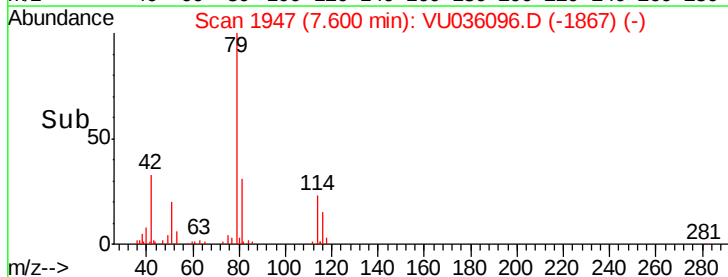
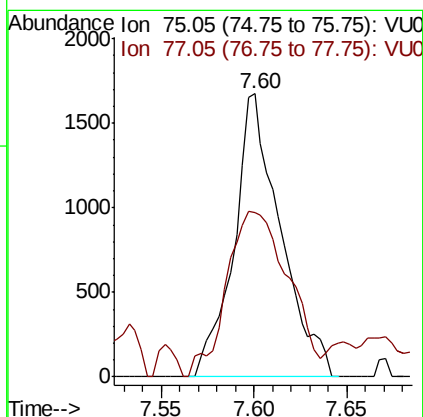
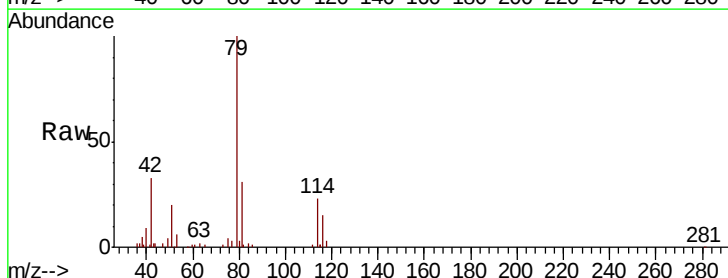
Acq: 10 Dec 2019 20:25

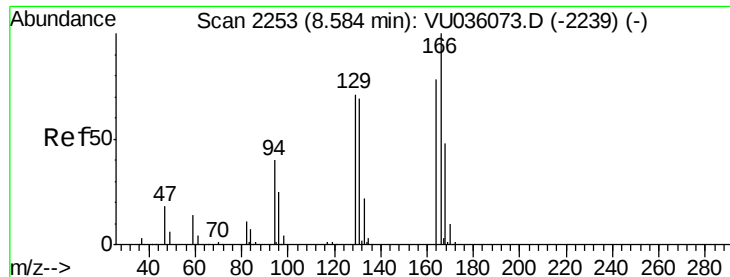
Tgt Ion: 75 Resp: 2934

Ion Ratio Lower Upper

75 100

77 57.9 21.7 40.3#





#47

Tetrachloroethene

Concen: 0.784 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU036096.D

Acq: 10 Dec 2019 20:25

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 17396

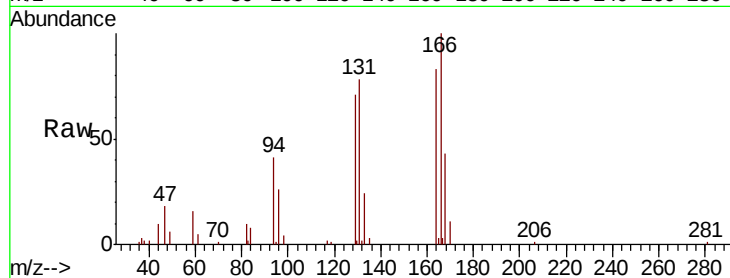
Ion Ratio Lower Upper

164 100

129 85.3 63.1 117.3

131 94.3 61.5 114.1

166 120.4 91.0 169.0

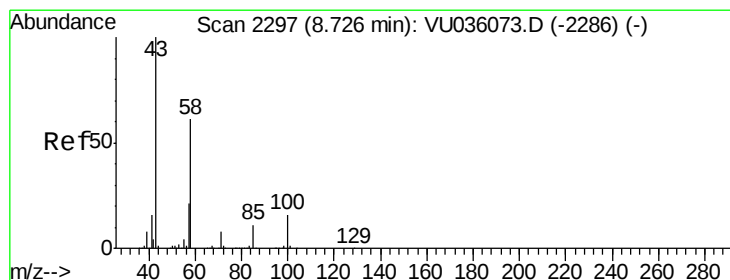
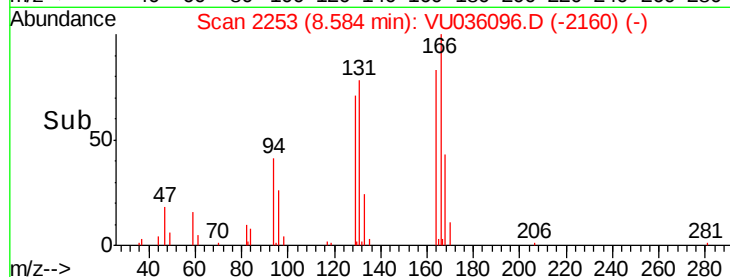
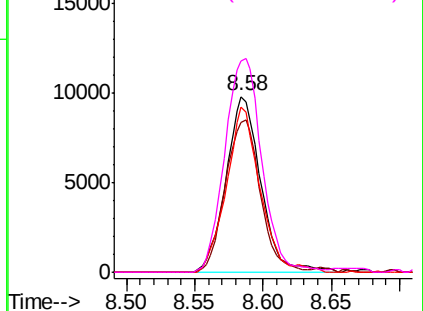


Abundance Ion 163.90 (163.60 to 164.60): V

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: 3.777 ug/L

RT: 8.70 min Scan# 2289

Delta R.T. -0.03 min

Lab File: VU036096.D

Acq: 10 Dec 2019 20:25

Tgt Ion: 43 Resp: 31202

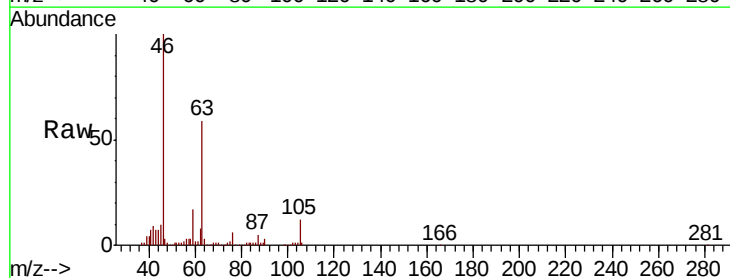
Ion Ratio Lower Upper

43 100

58 29.2 46.9 70.3#

57 37.8 16.4 24.6#

100 2.6 11.0 16.4#

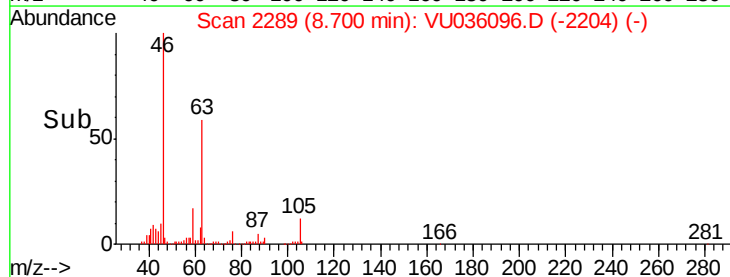
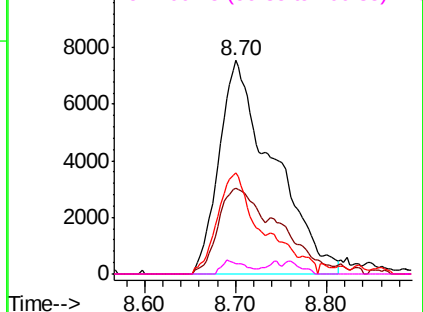


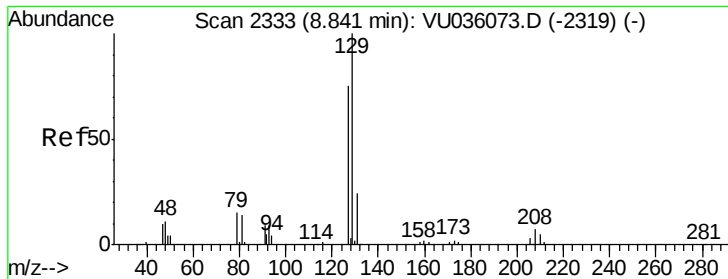
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 0.658 ug/L

RT: 8.59 min Scan# 2254

Delta R.T. -0.25 min

Lab File: VU036096.D

Acq: 10 Dec 2019 20:25

Instrument :

MSVOA_U

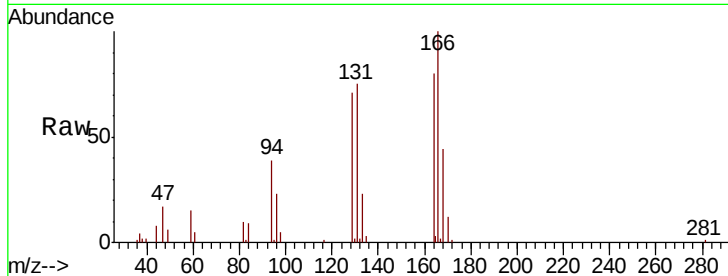
ClientSampled :

Tot Ion:129 Resp: 15166

Ion Ratio Lower Upper

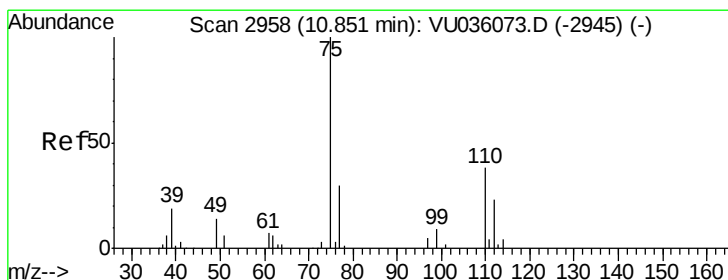
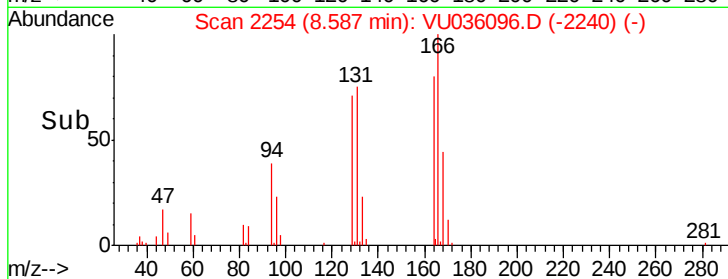
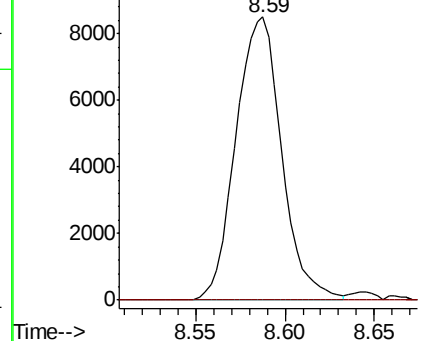
129 100

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: 0.534 ug/L

RT: 11.84 min Scan# 3266

Delta R.T. 0.99 min

Lab File: VU036096.D

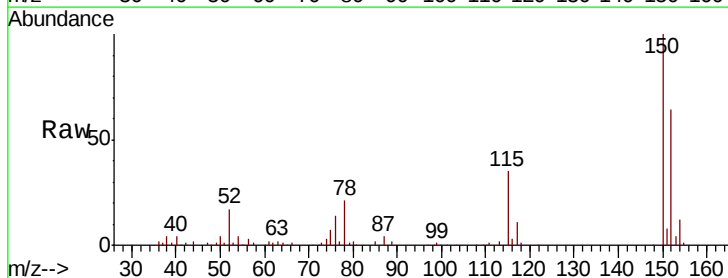
Acq: 10 Dec 2019 20:25

Tgt Ion: 75 Resp: 8416

Ion Ratio Lower Upper

75 100

77 36.7 26.7 40.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

