

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121219\
 Data File : VU036177.D
 Acq On : 13 Dec 2019 02:51
 Operator : JC/MD
 Sample : K6273-20
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDR7

Quant Time: Dec 13 04:34:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Dec 13 02:41:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	277190	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	299799	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	119397	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	142735	5.08	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.60%
7) Chloroethane-d5	1.93	69	124139	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.60%
11) 1,1-Dichloroethene-d2	2.59	63	143965	3.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.60%
20) 2-Butanone-d5	4.70	46	190388	42.19	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.38%
24) Chloroform-d	5.11	84	203168	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
26) 1,2-Dichloroethane-d4	5.75	65	107157	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
32) Benzene-d6	5.77	84	388871	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
36) 1,2-Dichloropropane-d6	6.73	67	130519	5.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.60%
41) Toluene-d8	7.93	98	323839	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.60%
43) trans-1,3-Dichloropropene-	8.21	79	45426	4.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.20%
46) 2-Hexanone-d5	8.67	63	177081	46.21	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.42%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	108857	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.80%
64) 1,2-Dichlorobenzene-d4	12.21	152	119934	5.29	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.80%

Target Compounds

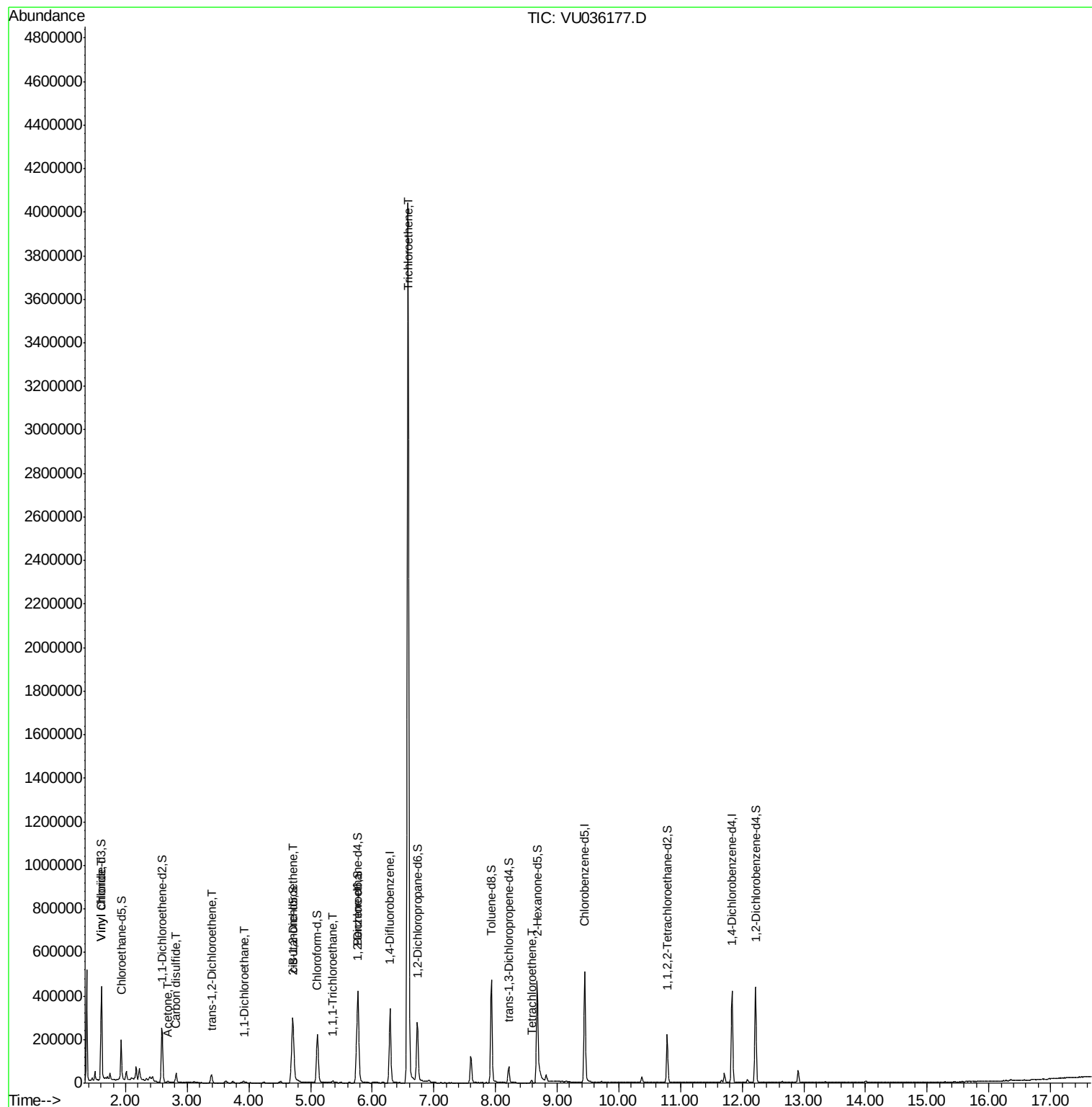
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	32303	0.873	ug/L	97
13) Acetone	2.69	43	7960	2.028	ug/L	88
14) Carbon disulfide	2.82	76	57558	0.829	ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	14312	0.660	ug/L	94
19) 1,1-Dichloroethane	3.92	63	9370	0.235	ug/L	89
22) cis-1,2-Dichloroethene	4.72	96	116418	5.219	ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	6719	0.183	ug/L #	72
34) Trichloroethene	6.58	95	1372392	58.196	ug/L	99
47) Tetrachloroethene	8.58	164	2613	0.126	ug/L	91

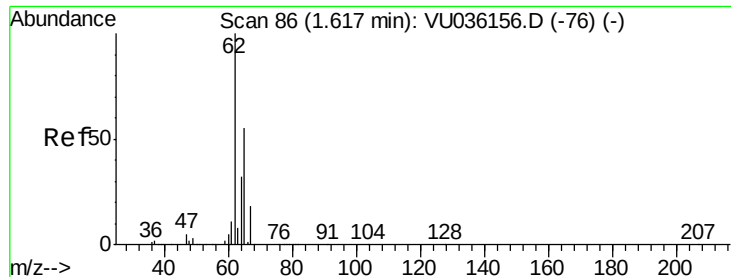
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 13 02:41:23 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.873 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU036177.D

Acq: 13 Dec 2019 02:51

Instrument :

MSVOA_U

ClientSampled :

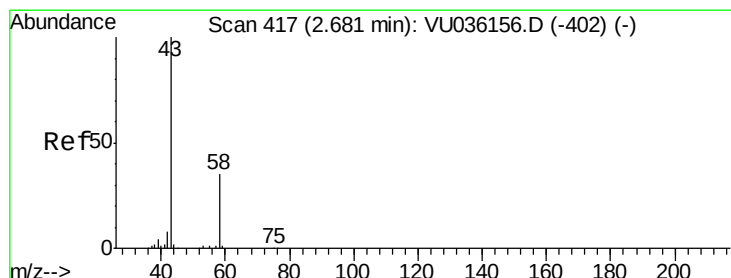
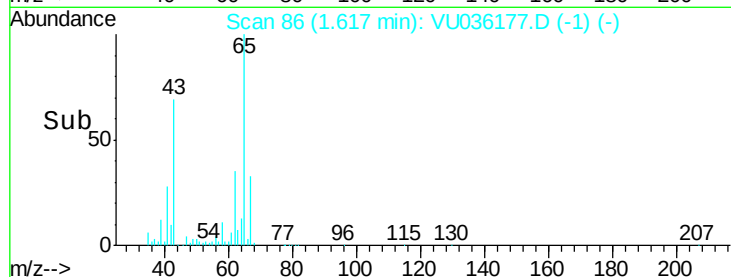
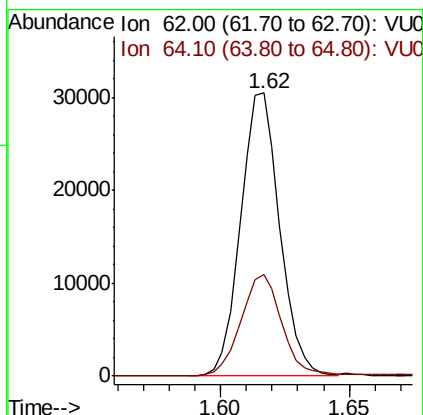
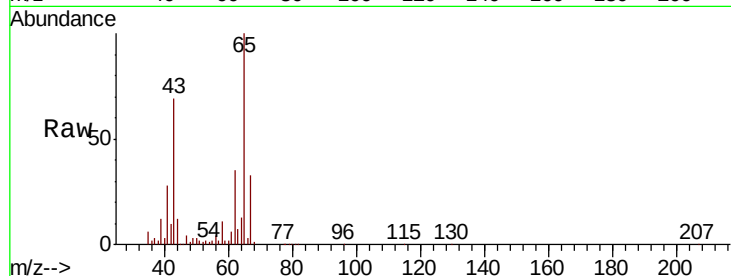
BFDR7

Tot Ion: 62 Resp: 32303

Ion Ratio Lower Upper

62 100

64 36.0 24.0 44.6



#13

Acetone

Concen: 2.028 ug/L

RT: 2.69 min Scan# 419

Delta R.T. 0.01 min

Lab File: VU036177.D

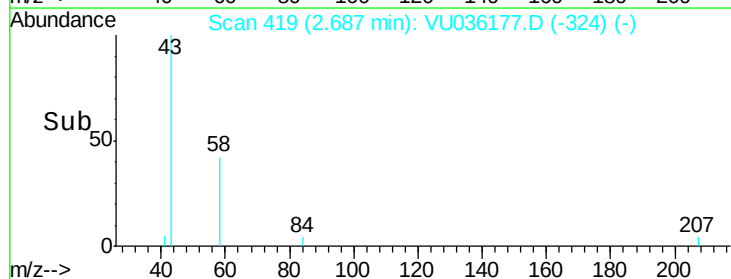
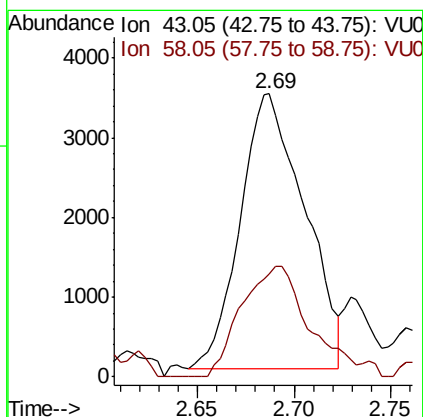
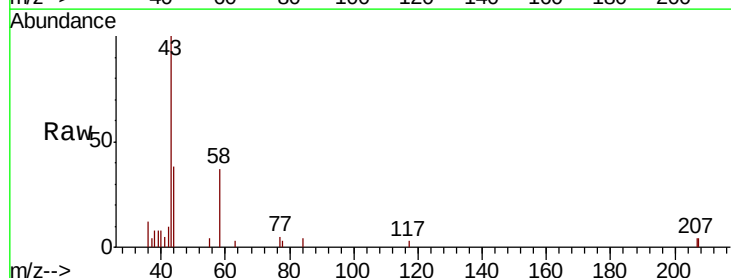
Acq: 13 Dec 2019 02:51

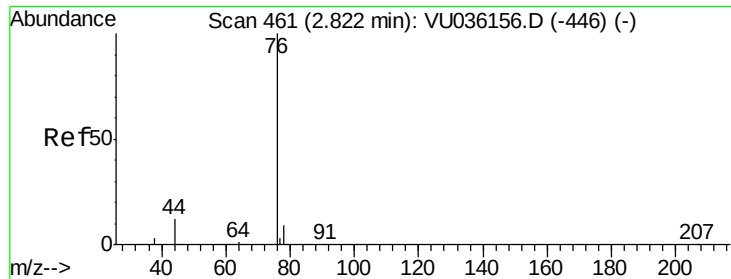
Tgt Ion: 43 Resp: 7960

Ion Ratio Lower Upper

43 100

58 42.0 0.0 70.0





#14

Carbon disulfide

Concen: 0.829 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU036177.D

Acq: 13 Dec 2019 02:51

Instrument :

MSVOA_U

ClientSampleId :

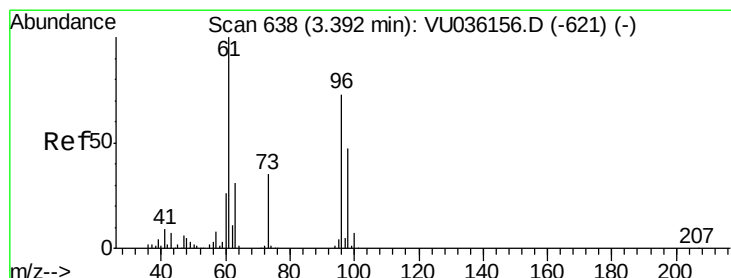
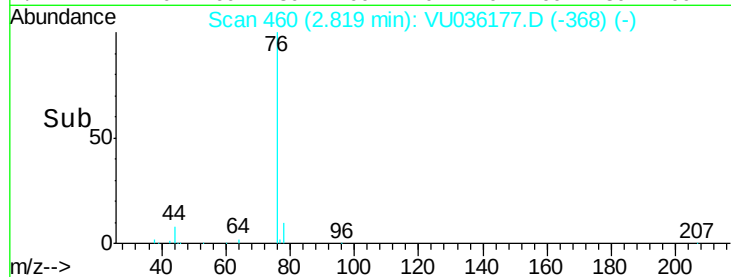
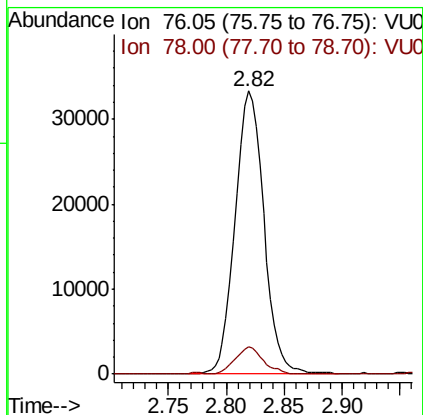
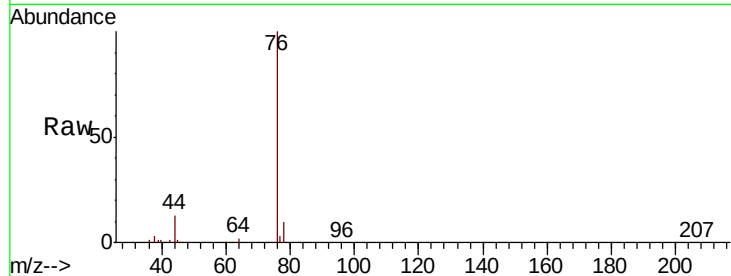
BFDR7

Tot Ion: 76 Resp: 57558

Ion Ratio Lower Upper

76 100

78 9.6 7.2 10.8



#18

trans-1,2-Dichloroethene

Concen: 0.660 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: VU036177.D

Acq: 13 Dec 2019 02:51

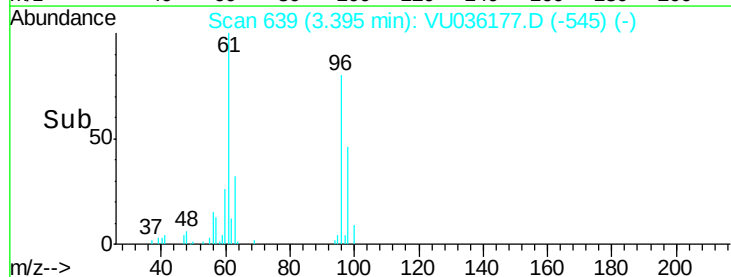
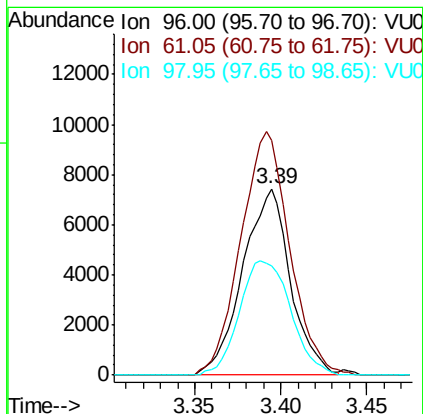
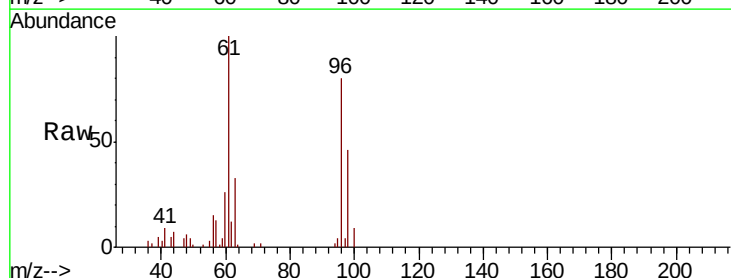
Tgt Ion: 96 Resp: 14312

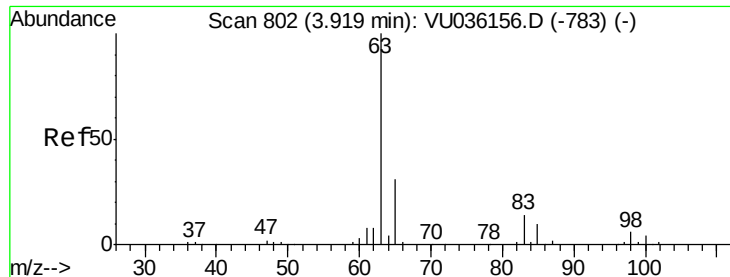
Ion Ratio Lower Upper

96 100

61 125.6 93.2 173.2

98 58.4 43.5 80.9





#19

1,1-Dichloroethane

Concen: 0.235 ug/L

RT: 3.92 min Scan# 801

Delta R.T. -0.00 min

Lab File: VU036177.D

Acq: 13 Dec 2019 02:51

Instrument :

MSVOA_U

ClientSampled :

BFDR7

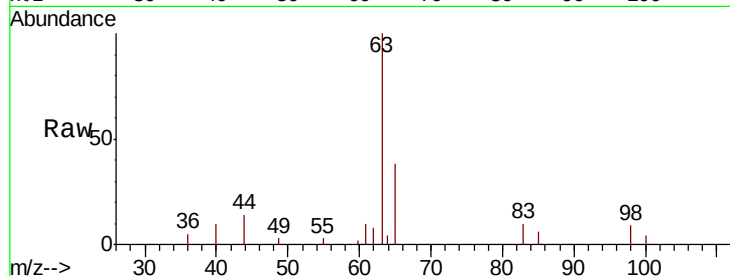
Tot Ion: 63 Resp: 9370

Ion Ratio Lower Upper

63 100

65 38.1 22.2 41.2

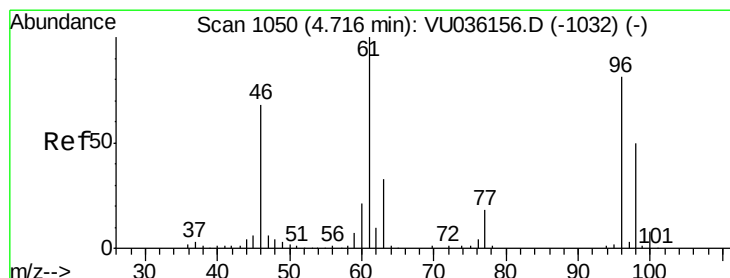
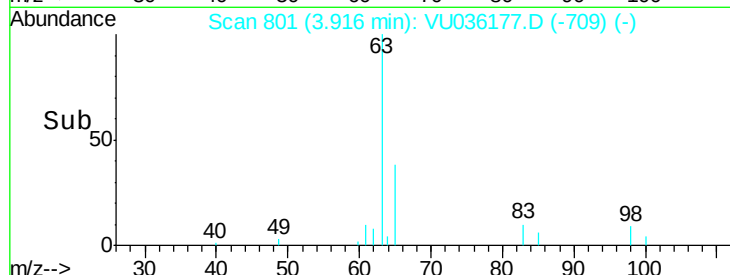
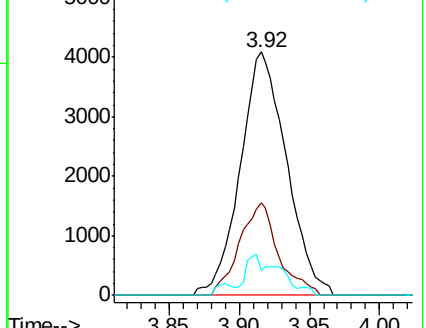
83 10.1 9.8 18.2



Abundance Ion 63.10 (62.80 to 63.80): VU036177.D (-709) (-)

Ion 65.10 (64.80 to 65.80): VU036177.D (-709) (-)

Ion 83.05 (82.75 to 83.75): VU036177.D (-709) (-)



#22

cis-1,2-Dichloroethene

Concen: 5.219 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU036177.D

Acq: 13 Dec 2019 02:51

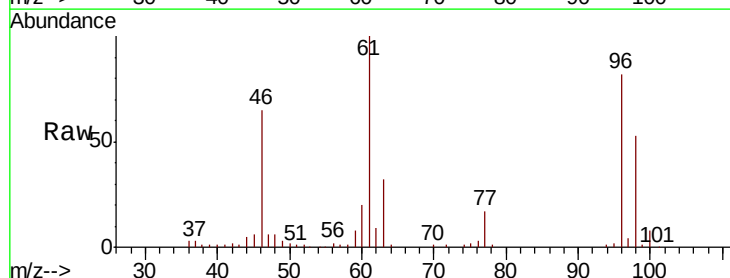
Tgt Ion: 96 Resp: 116418

Ion Ratio Lower Upper

96 100

61 121.2 83.8 155.6

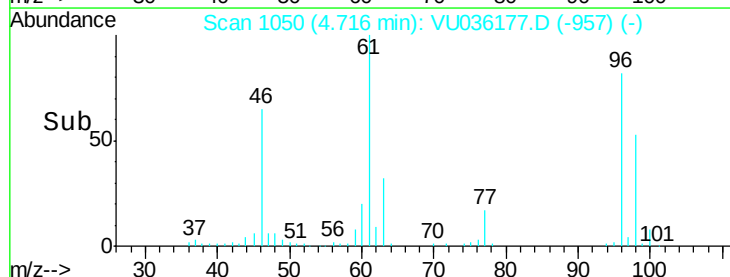
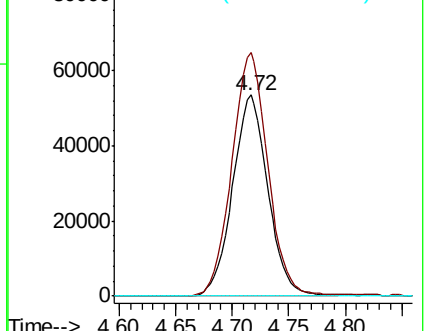
68 0.0 0.0 0.0

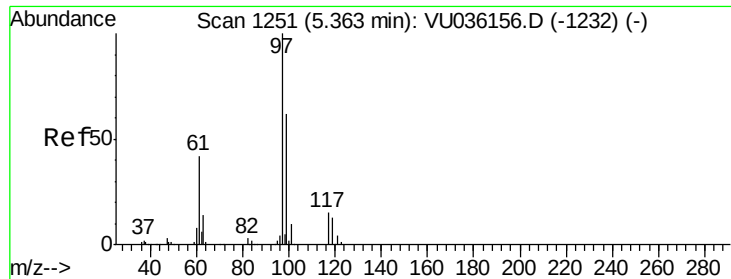


Abundance Ion 96.00 (95.70 to 96.70): VU036177.D (-957) (-)

Ion 61.05 (60.75 to 61.75): VU036177.D (-957) (-)

Ion 68.15 (67.85 to 68.85): VU036177.D (-957) (-)

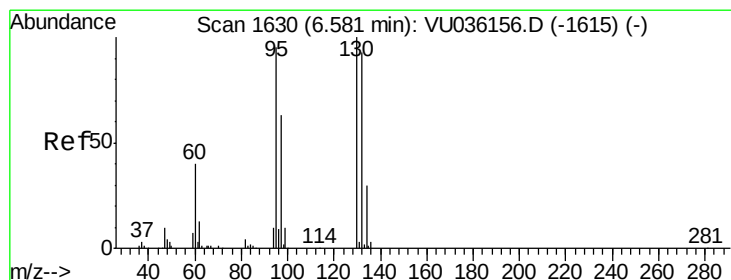
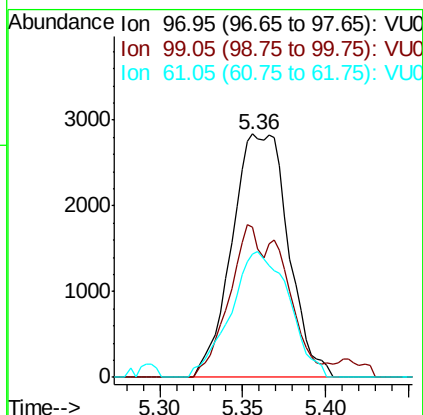
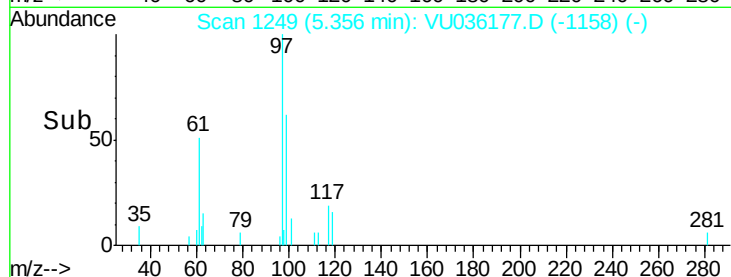
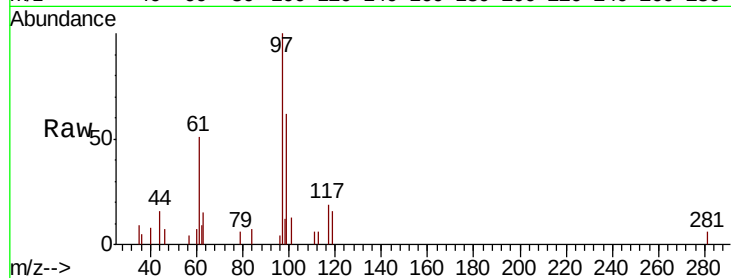




#29
1,1,1-Trichloroethane
Concen: 0.183 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. -0.01 min
Lab File: VU036177.D
Acq: 13 Dec 2019 02:51

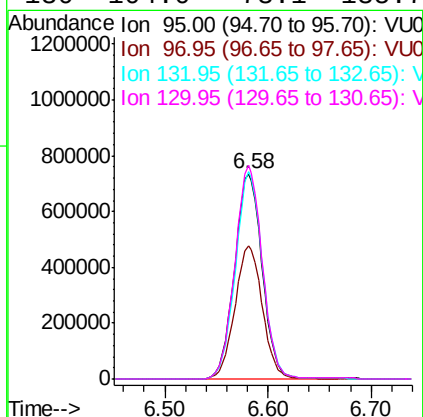
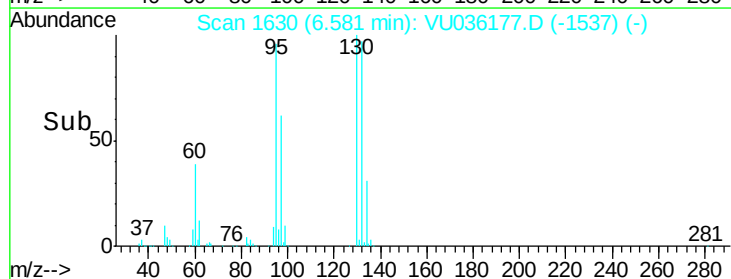
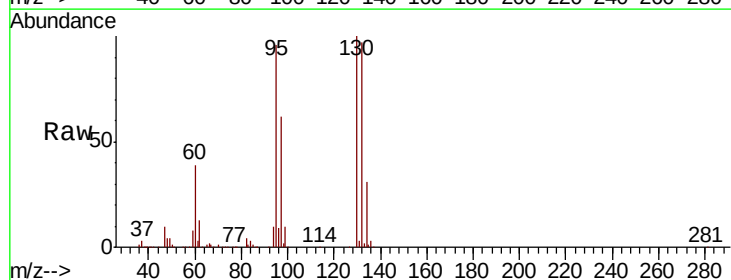
Instrument :
MSVOA_U
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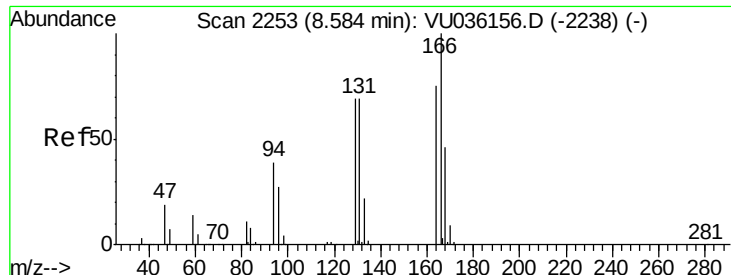
Tot Ion: 97 Resp: 6719
Ion Ratio Lower Upper
97 100
99 36.6 52.6 79.0#
61 53.6 35.4 53.2#



#34
Trichloroethene
Concen: 58.196 ug/L
RT: 6.58 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU036177.D
Acq: 13 Dec 2019 02:51

Tgt Ion: 95 Resp: 1372392
Ion Ratio Lower Upper
95 100
97 64.6 43.7 81.1
132 100.8 71.7 133.3
130 104.0 73.1 135.7





#47

Tetrachloroethene

Concen: 0.126 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VU036177.D

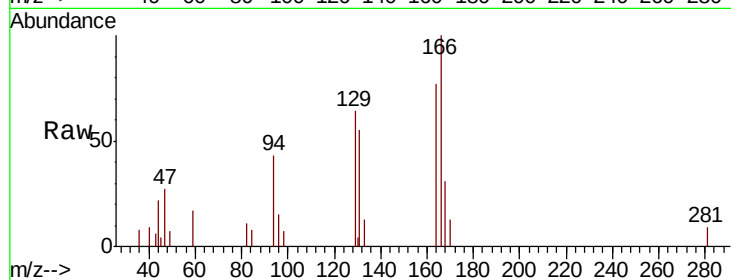
Acq: 13 Dec 2019 02:51

Instrument :

MSVOA_U

ClientSampleId :

BFDR7



Tot Ion:164 Resp: 2613

Ion Ratio Lower Upper

164 100

129 83.5 63.1 117.3

131 71.2 61.4 114.0

166 130.3 87.1 161.7

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

