

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052019\
 Data File : VU032160.D
 Acq On : 20 May 2019 17:25
 Operator : JC/SP
 Sample : K2860-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9W34

Quant Time: May 21 08:55:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue May 21 08:29:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	345197	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	354337	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	136673	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	104704	3.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.00%
7) Chloroethane-d5	1.68	69	90397	3.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.80%
11) 1,1-Dichloroethene-d2	2.27	63	151799	3.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.60%
20) 2-Butanone-d5	4.20	46	241986	42.39	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.78%
24) Chloroform-d	4.64	84	216827	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.80%
26) 1,2-Dichloroethane-d4	5.31	65	107588	4.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.60%
32) Benzene-d6	5.33	84	419681	3.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.60%
36) 1,2-Dichloropropane-d6	6.33	67	127127	4.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.40%
41) Toluene-d8	7.56	98	345574	3.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.60%
43) trans-1,3-Dichloropropene-	7.85	79	43000	3.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.60%
46) 2-Hexanone-d5	8.31	63	208824	40.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.32%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	112271	4.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	134575	4.65	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.00%

Target Compounds

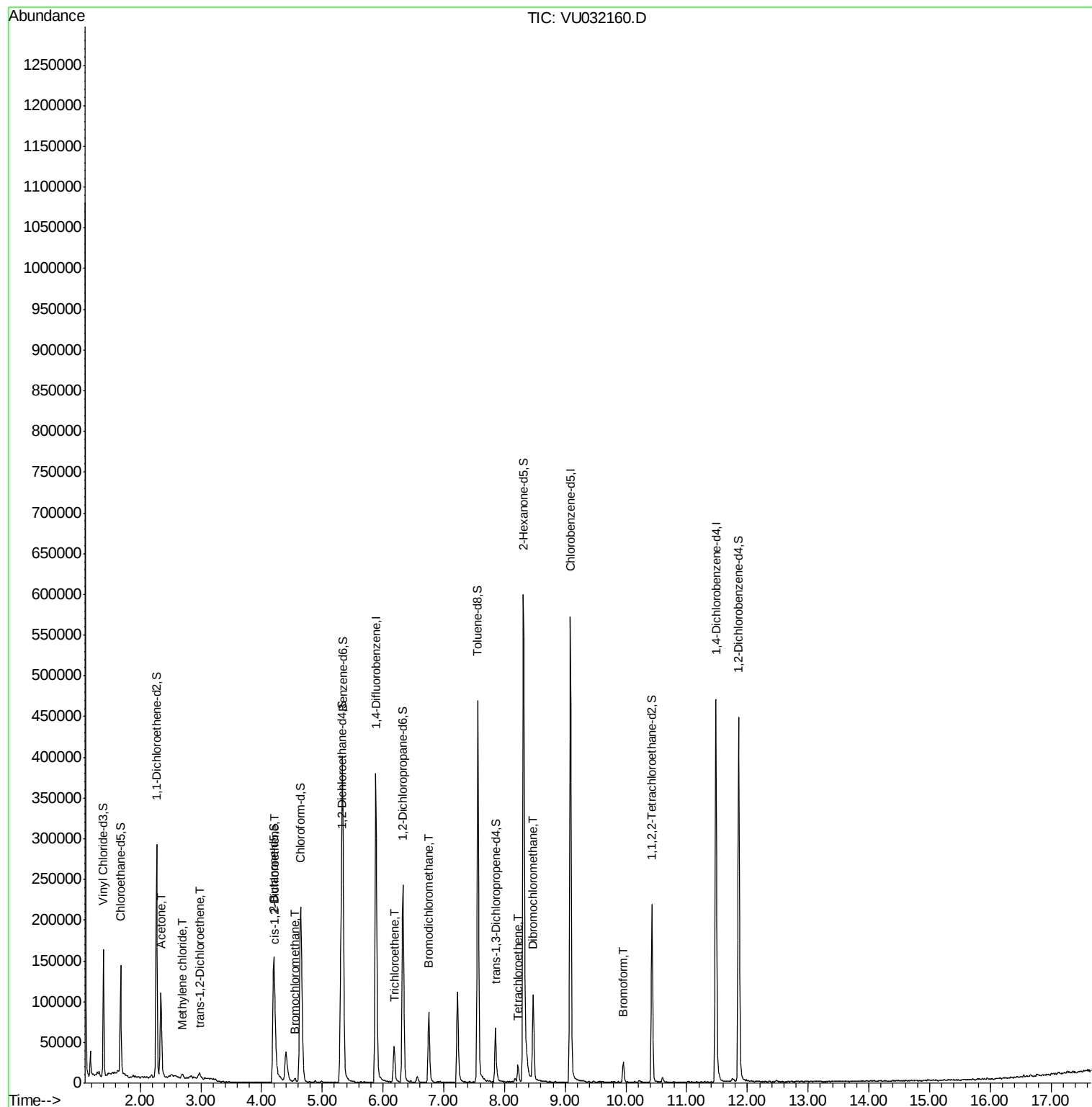
					Ovalue
13) Acetone	2.34	43	37838	20.190	ug/L 99
16) Methylene chloride	2.70	84	2453	0.148	ug/L 84
18) trans-1,2-Dichloroethene	2.98	96	2774	0.187	ug/L # 74
22) cis-1,2-Dichloroethene	4.23	96	5074	0.348	ug/L 80
23) Bromochloromethane	4.55	128	1404	0.224	ug/L # 81
34) Trichloroethene	6.19	95	15531	1.052	ug/L 89
38) Bromodichloromethane	6.75	83	62287	3.661	ug/L # 95
47) Tetrachloroethene	8.22	164	5450	0.494	ug/L 91
49) Dibromochloromethane	8.47	129	56188	4.961	ug/L 93
61) Bromoform	9.96	173	11925	2.273	ug/L 99

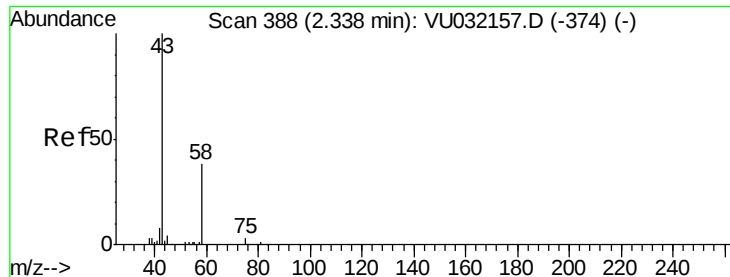
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 20.190 ug/L

RT: 2.34 min Scan# 388

Delta R.T. 0.00 min

Lab File: VU032160.D

Acq: 20 May 2019 17:25

Instrument :

MSVOA_U

ClientSampleId :

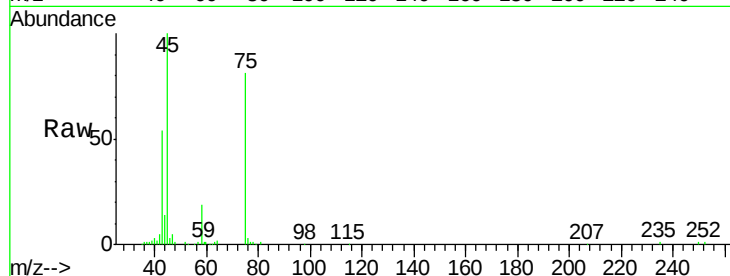
F9W34

Tot Ion: 43 Resp: 37838

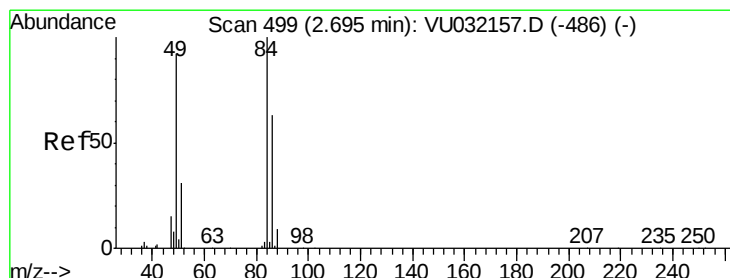
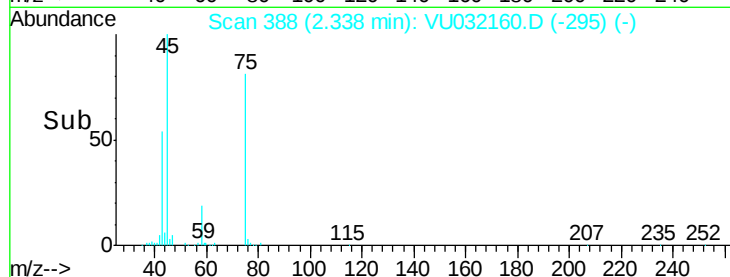
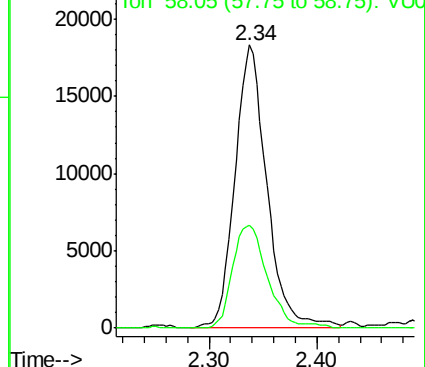
Ion Ratio Lower Upper

43 100

58 38.7 0.0 78.8



Abundance Ion 43.05 (42.75 to 43.75): VU032157.D (-374) (-)



#16

Methylene chloride

Concen: 0.148 ug/L

RT: 2.70 min Scan# 501

Delta R.T. 0.01 min

Lab File: VU032160.D

Acq: 20 May 2019 17:25

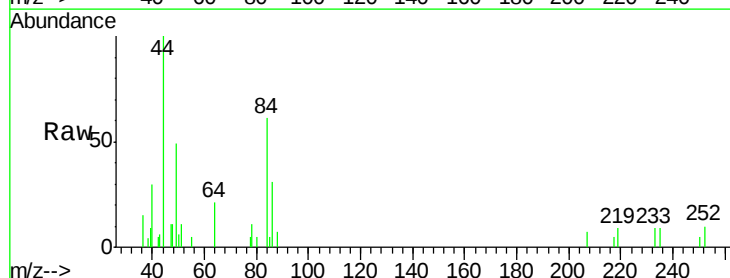
Tgt Ion: 84 Resp: 2453

Ion Ratio Lower Upper

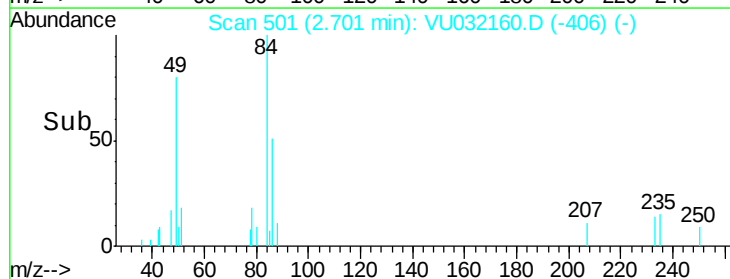
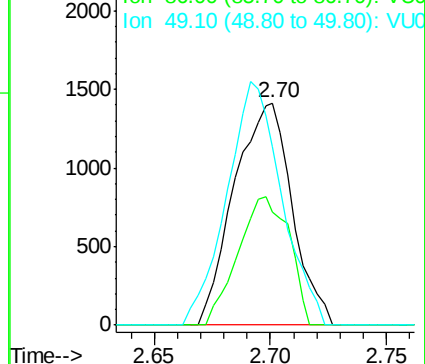
84 100

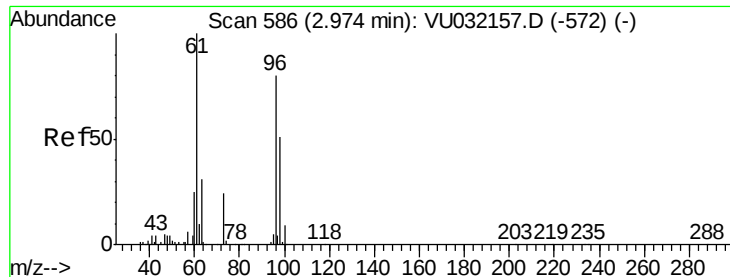
86 50.9 43.1 80.1

49 80.3 67.7 125.7



Abundance Ion 84.05 (83.75 to 84.75): VU032157.D (-486) (-)





#18

trans-1,2-Dichloroethene

Concen: 0.187 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.01 min

Lab File: VU032160.D

Acq: 20 May 2019 17:25

Instrument :

MSVOA_U

ClientSampleId :

F9W34

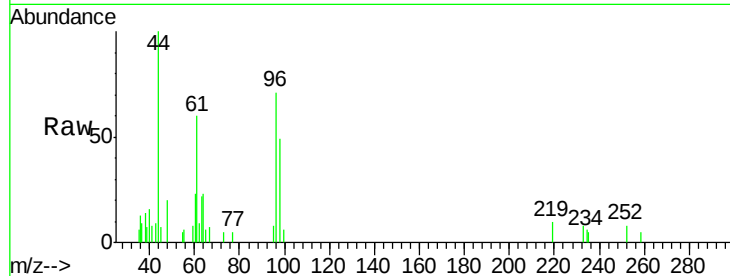
Tot Ion: 96 Resp: 2774

Ion Ratio Lower Upper

96 100

61 83.7 86.5 160.7#

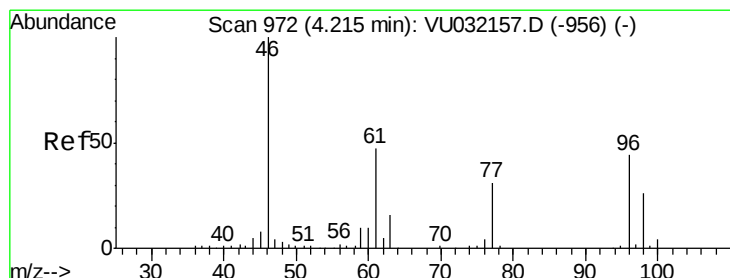
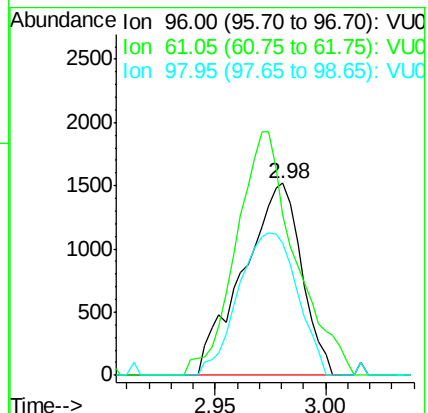
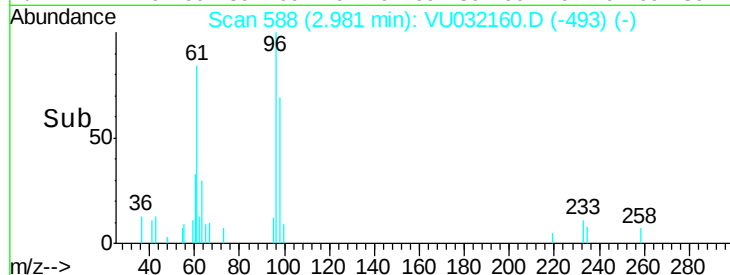
98 69.1 43.5 80.9



Abundance Ion 96.00 (95.70 to 96.70): VU032157.D (-572) (-)

Ion 61.05 (60.75 to 61.75): VU032157.D (-572) (-)

Ion 97.95 (97.65 to 98.65): VU032157.D (-572) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.348 ug/L

RT: 4.23 min Scan# 975

Delta R.T. 0.01 min

Lab File: VU032160.D

Acq: 20 May 2019 17:25

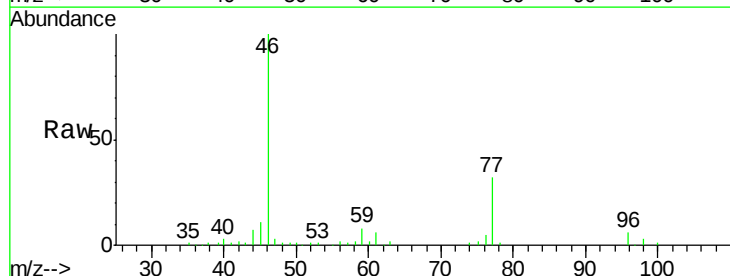
Tgt Ion: 96 Resp: 5074

Ion Ratio Lower Upper

96 100

61 100.5 85.8 159.4

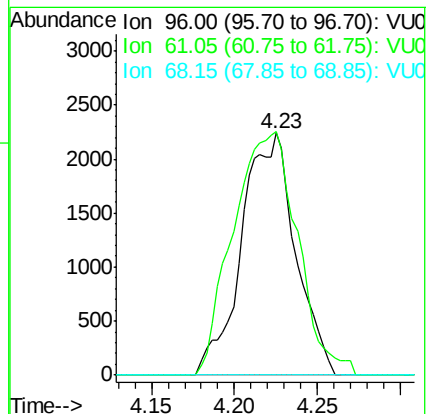
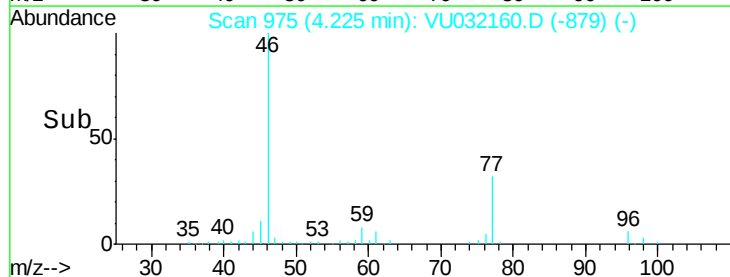
68 0.0 0.0 0.0

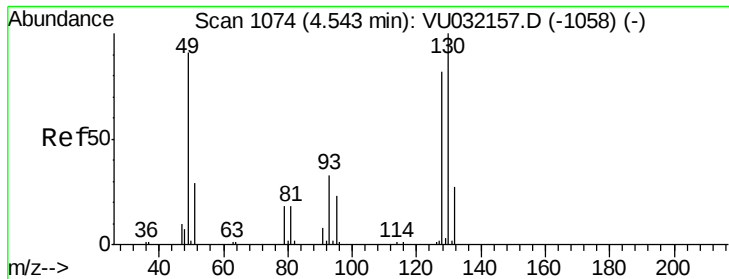


Abundance Ion 96.00 (95.70 to 96.70): VU032157.D (-956) (-)

Ion 61.05 (60.75 to 61.75): VU032157.D (-956) (-)

Ion 68.15 (67.85 to 68.85): VU032157.D (-956) (-)





#23

Bromochloromethane

Concen: 0.224 ug/L

RT: 4.55 min Scan# 1077

Delta R.T. 0.01 min

Lab File: VU032160.D

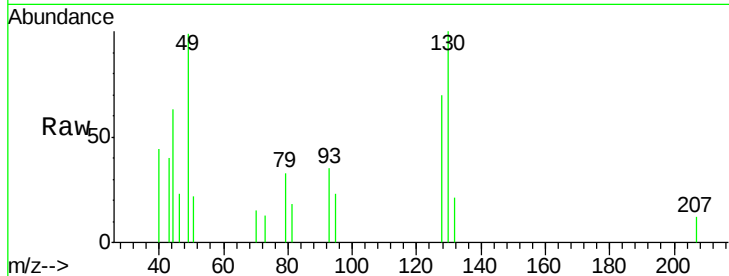
Acq: 20 May 2019 17:25

Instrument :

MSVOA_U

ClientSampled :

F9W34



Tot Ion:128 Resp: 1404

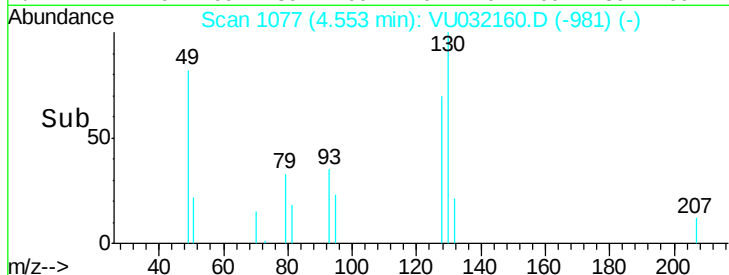
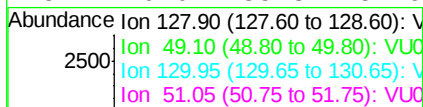
Ion Ratio Lower Upper

128 100

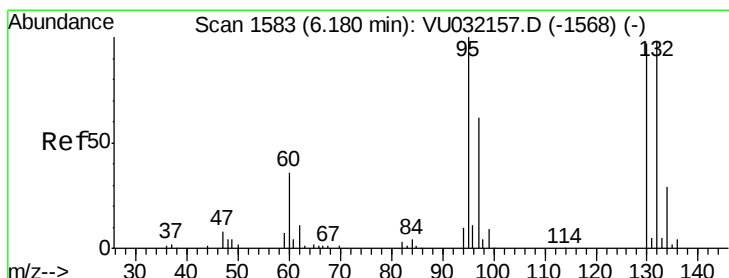
49 141.6 92.2 171.2

130 143.2 90.3 167.7

51 0.0 35.3 52.9#



Time-->



#34

Trichloroethene

Concen: 1.052 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.01 min

Lab File: VU032160.D

Acq: 20 May 2019 17:25

Tgt Ion: 95 Resp: 15531

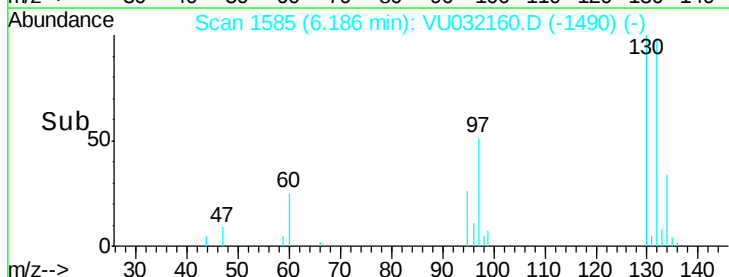
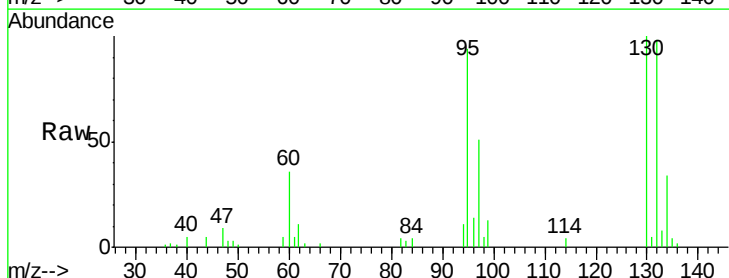
Ion Ratio Lower Upper

95 100

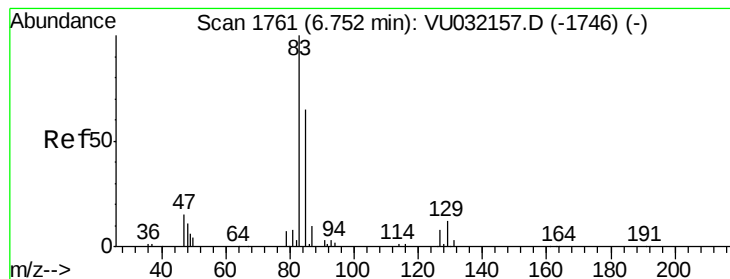
97 54.2 45.2 84.0

132 104.3 66.1 122.7

130 105.9 66.7 123.9



Time-->



#38

Bromodichloromethane

Concen: 3.661 ug/L

RT: 6.75 min Scan# 1761

Delta R.T. 0.00 min

Lab File: VU032160.D

Acq: 20 May 2019 17:25

Instrument :

MSVOA_U

ClientSampleId :

F9W34

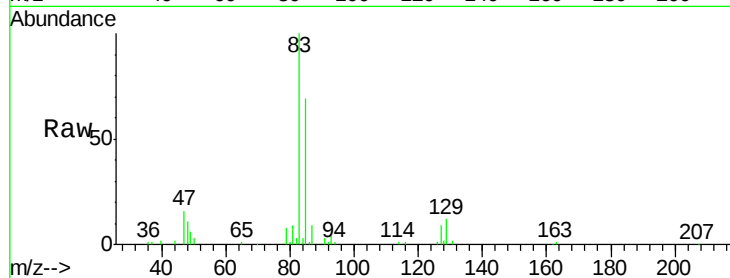
Tot Ion: 83 Resp: 62287

Ion Ratio Lower Upper

83 100

85 68.6 45.5 84.5

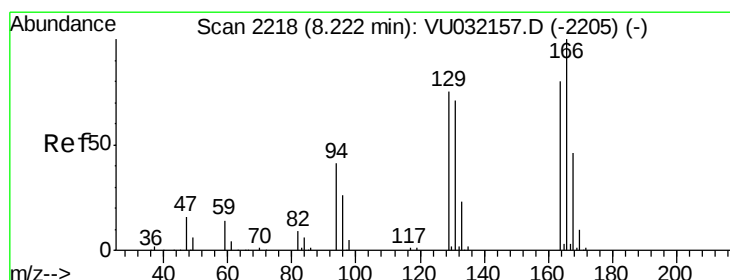
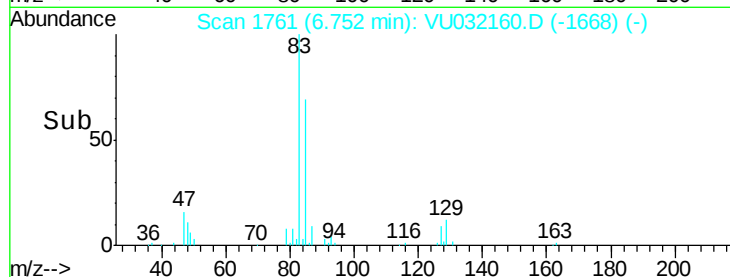
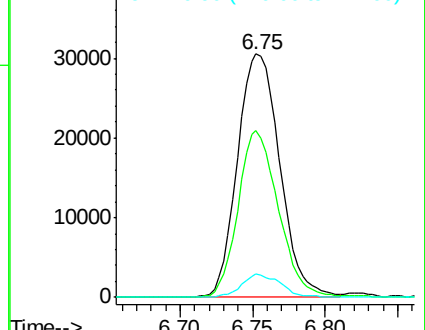
127 9.5 6.3 9.5#



Abundance Ion 82.95 (82.65 to 83.65): VU032157.D (-1746) (-)

Ion 85.00 (84.70 to 85.70): VU032157.D (-1746) (-)

Ion 126.90 (126.60 to 127.60): VU032157.D (-1746) (-)



#47

Tetrachloroethene

Concen: 0.494 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU032160.D

Acq: 20 May 2019 17:25

Tgt Ion: 164 Resp: 5450

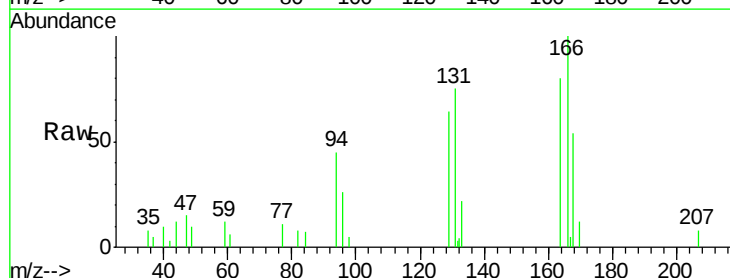
Ion Ratio Lower Upper

164 100

129 80.4 70.3 130.5

131 93.9 64.5 119.9

166 125.0 92.3 171.5

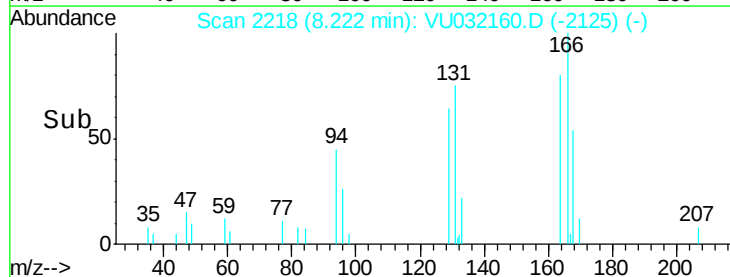
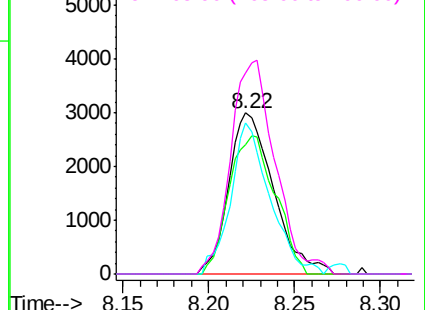


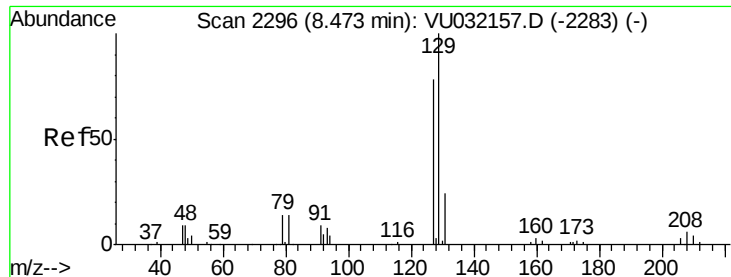
Abundance Ion 163.90 (163.60 to 164.60): VU032157.D (-2205) (-)

Ion 128.95 (128.65 to 129.65): VU032157.D (-2205) (-)

Ion 130.95 (130.65 to 131.65): VU032157.D (-2205) (-)

Ion 165.90 (165.60 to 166.60): VU032157.D (-2205) (-)





#49

Dibromochloromethane

Concen: 4.961 ug/L

RT: 8.47 min Scan# 2296

Delta R.T. 0.00 min

Lab File: VU032160.D

Acq: 20 May 2019 17:25

Instrument :

MSVOA_U

ClientSampleId :

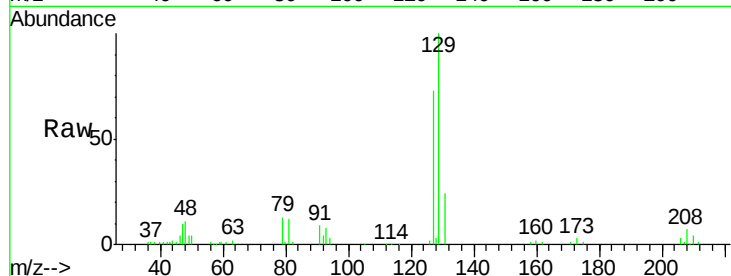
F9W34

Tot Ion:129 Resp: 56188

Ion Ratio Lower Upper

129 100

127 72.6 55.2 102.6



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.47

30000

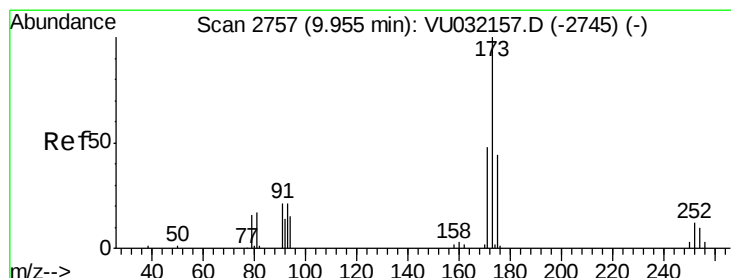
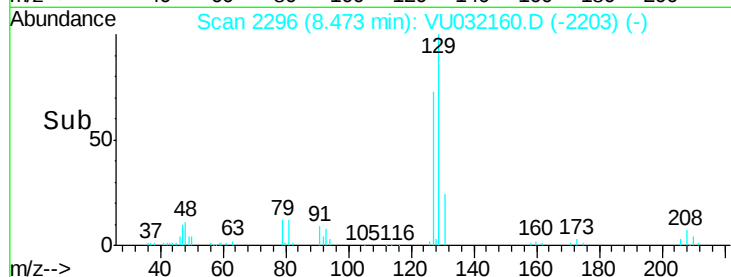
20000

10000

0

Time-->

8.40 8.45 8.50 8.55



#61

Bromoform

Concen: 2.273 ug/L

RT: 9.96 min Scan# 2758

Delta R.T. 0.00 min

Lab File: VU032160.D

Acq: 20 May 2019 17:25

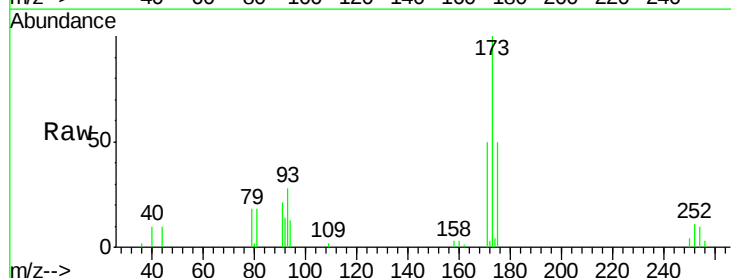
Tgt Ion:173 Resp: 11925

Ion Ratio Lower Upper

173 100

175 48.5 38.0 57.0

254 9.4 7.8 11.6



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V

9.96

8000

6000

4000

2000

0

Time-->

9.90 9.95 10.00

