

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080418\
 Data File : VU025838.D
 Acq On : 03 Aug 2018 23:04
 Operator : MD/SY
 Sample : J4340-13
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E5F78

Quant Time: Aug 03 23:53:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 03 23:51:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	303986	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	287708	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	128950	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	74977	43.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.40%
7) Chloroethane-d5	1.68	69	64801	45.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.54%
11) 1,1-Dichloroethene-d2	2.27	63	120756	33.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.84%
21) 2-Butanone-d5	4.18	46	145651	108.71	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.71%
24) Chloroform-d	4.65	84	179358	46.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	5.31	65	127776	49.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.96%
32) Benzene-d6	5.35	84	348667	47.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.50%
36) 1,2-Dichloropropane-d6	6.34	67	113064	47.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.10%
41) Toluene-d8	7.57	98	318812	45.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.10%
43) trans-1,3-Dichloropropene-	7.85	79	54793	45.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.24%
47) 2-Hexanone-d5	8.31	63	104099	104.57	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.57%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	156251	46.99	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.98%
64) 1,2-Dichlorobenzene-d4	11.86	152	123229	47.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.30%

Target Compounds

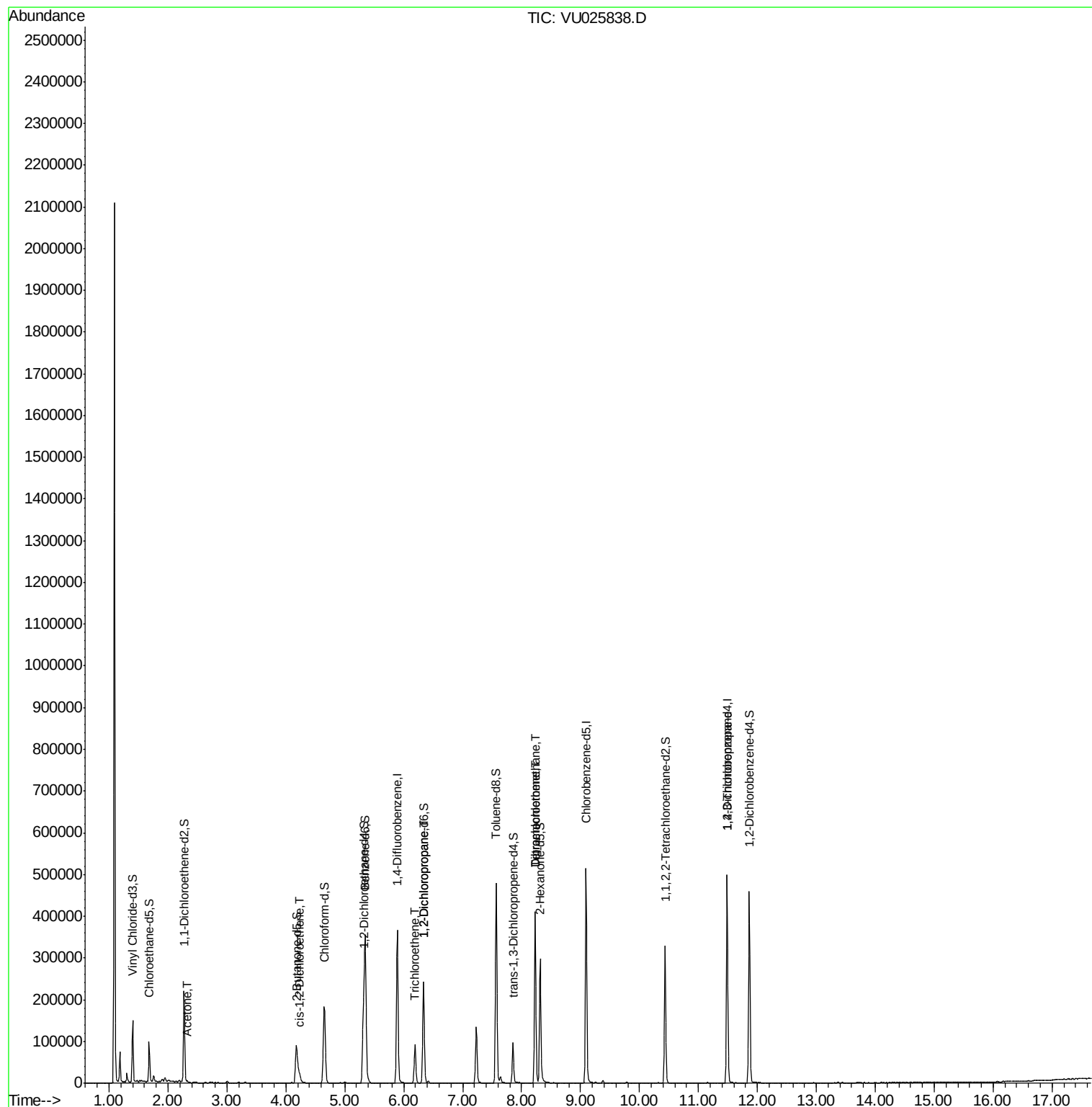
					Qvalue
13) Acetone	2.32	43	3375	2.146 ug/L	94
20) cis-1,2-Dichloroethene	4.23	96	10887	4.883 ug/L	91
34) Trichloroethene	6.19	95	32124	14.646 ug/L	95
37) 1,2-Dichloropropane	6.33	63	12425	5.500 ug/L #	88
46) Tetrachloroethene	8.23	164	91879	48.318 ug/L	98
49) Dibromochloromethane	8.23	129	85731	33.728 ug/L #	11
59) 1,2,3-Trichloropropane	11.49	75	14446	5.444 ug/L #	83

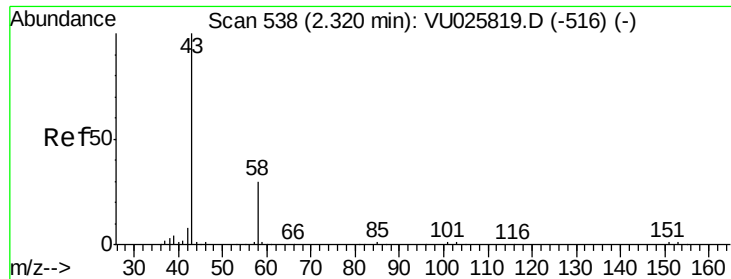
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.146 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025838.D

Acq: 03 Aug 2018 23:04

Instrument :

MSVOA_U

ClientSampleId :

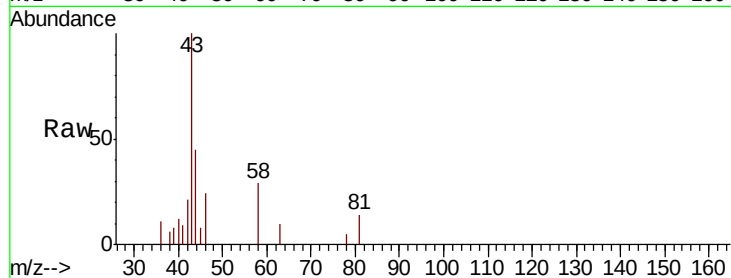
E5F78

Tgt Ion: 43 Resp: 3375

Ion Ratio Lower Upper

43 100

58 27.3 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VU025819.D (-516) (-)

Ion 58.00 (57.70 to 58.70): VU025819.D (-516) (-)

2.32

2000

1500

1000

500

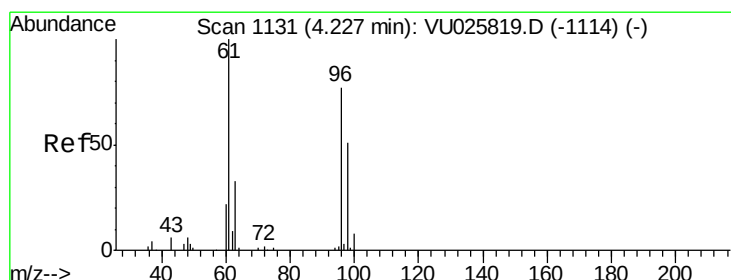
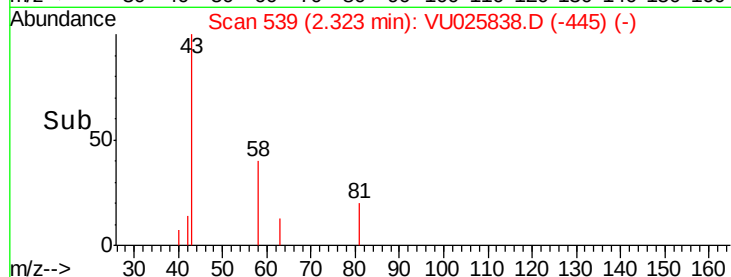
0

Time-->

2.25

2.30

2.35



#20

cis-1,2-Dichloroethene

Concen: 4.883 ug/L

RT: 4.23 min Scan# 1133

Delta R.T. 0.01 min

Lab File: VU025838.D

Acq: 03 Aug 2018 23:04

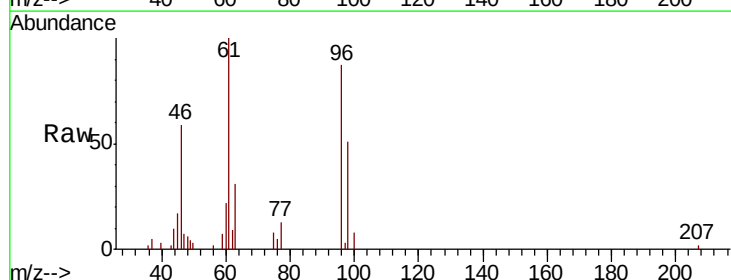
Tgt Ion: 96 Resp: 10887

Ion Ratio Lower Upper

96 100

61 114.9 87.4 162.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU025819.D (-1114) (-)

Ion 61.00 (60.70 to 61.70): VU025819.D (-1114) (-)

Ion 68.00 (67.70 to 68.70): VU025819.D (-1114) (-)

4.23

6000

4000

2000

0

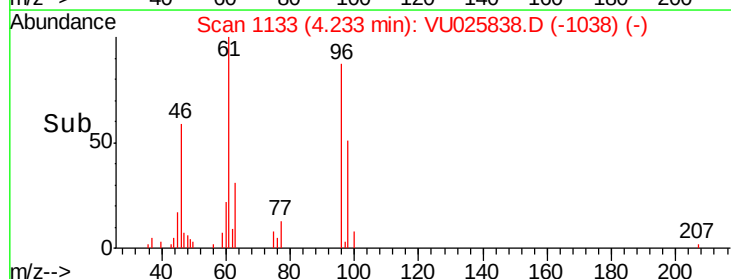
Time-->

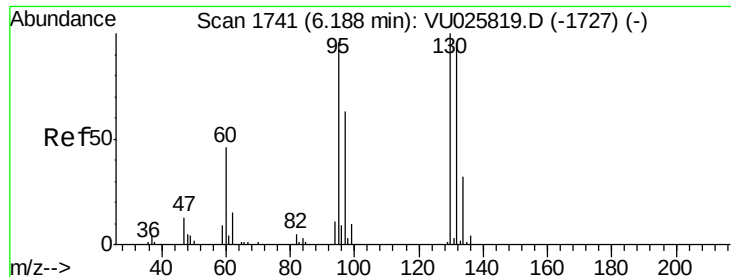
4.15

4.20

4.25

4.30





#34

Trichloroethene

Concen: 14.646 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025838.D

Acq: 03 Aug 2018 23:04

Instrument :

MSVOA_U

ClientSampleId :

E5F78

Tgt Ion: 95 Resp: 32124

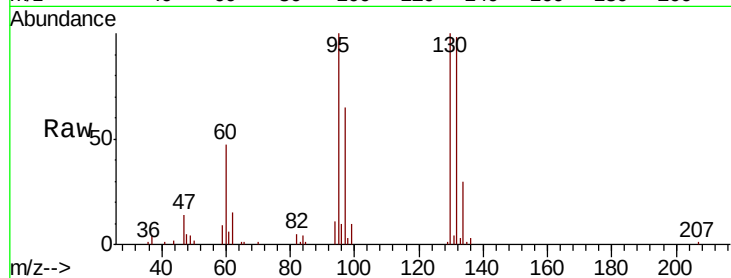
Ion Ratio Lower Upper

95 100

97 65.4 45.9 85.3

132 98.3 72.2 134.2

130 99.6 74.9 139.1



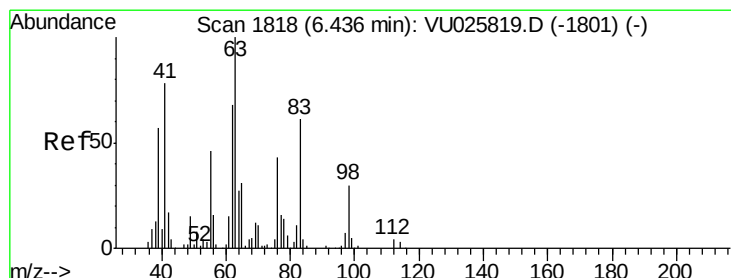
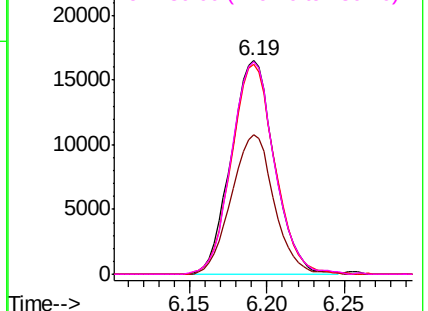
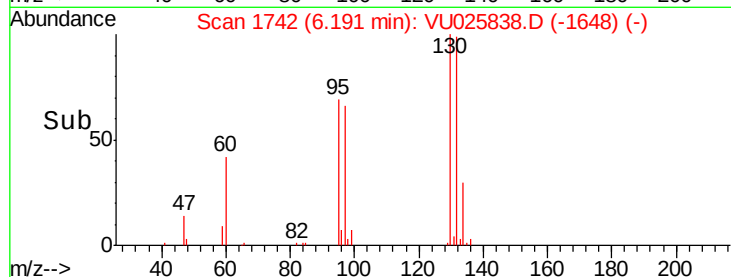
Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#37

1,2-Dichloropropane

Concen: 5.500 ug/L

RT: 6.33 min Scan# 1786

Delta R.T. -0.10 min

Lab File: VU025838.D

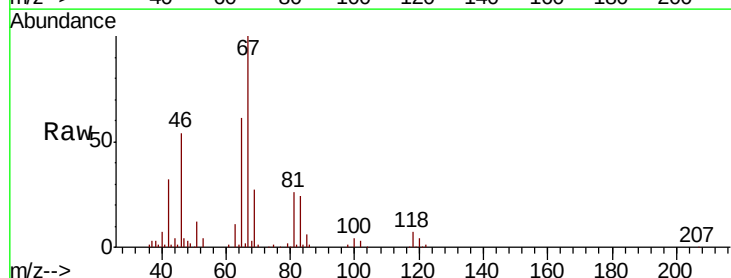
Acq: 03 Aug 2018 23:04

Tgt Ion: 63 Resp: 12425

Ion Ratio Lower Upper

63 100

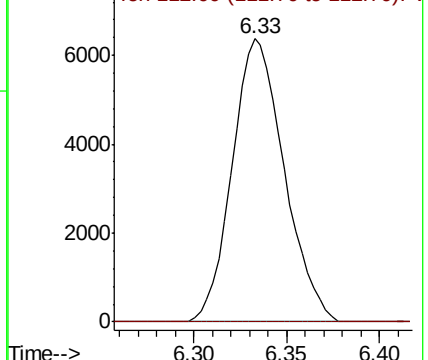
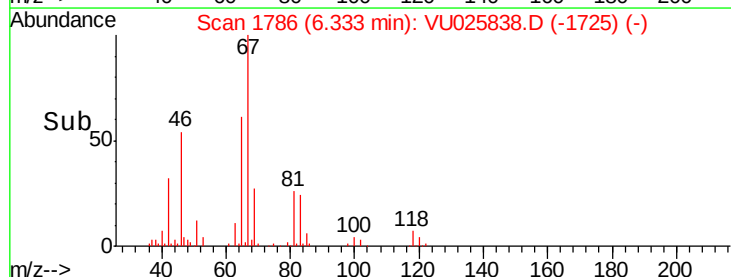
112 0.0 3.3 4.9#

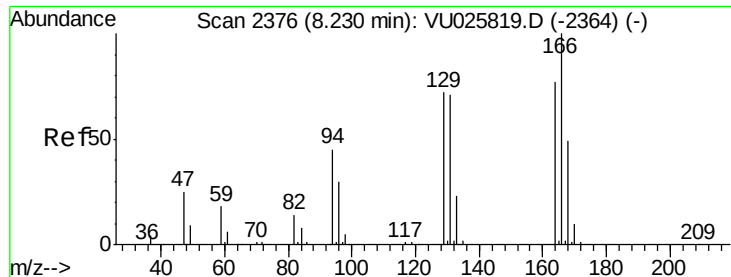


Abundance

Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V

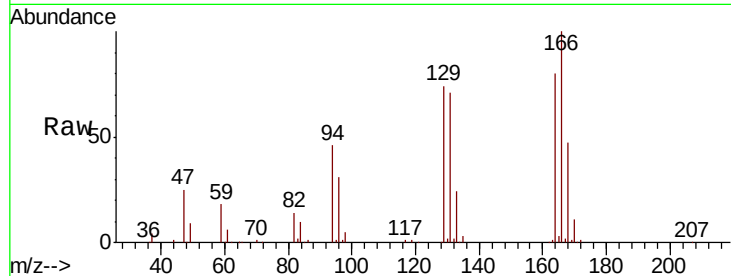




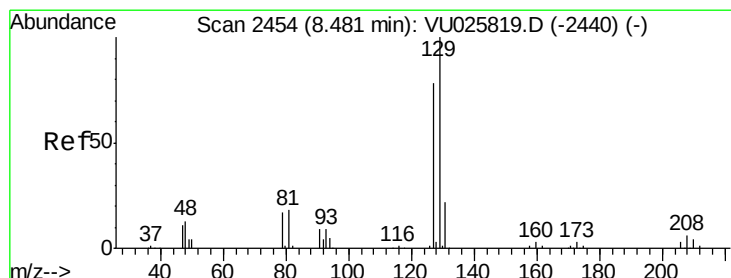
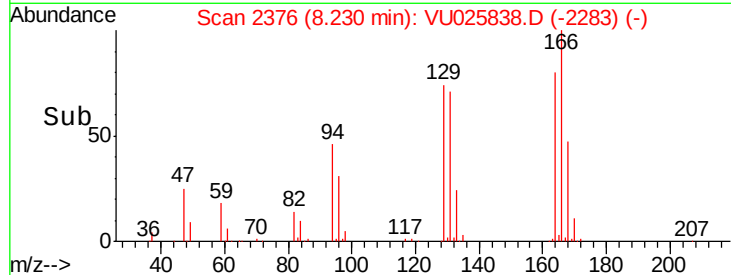
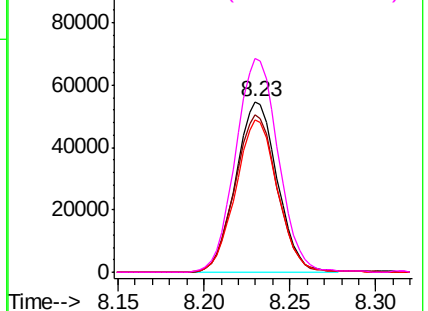
#46
Tetrachloroethene
Concen: 48.318 ug/L
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU025838.D
Acq: 03 Aug 2018 23:04

Instrument :
MSVOA_U
ClientSampleId :
E5F78

Tgt Ion:164 Resp: 91879
Ion Ratio Lower Upper
164 100
129 92.1 65.1 120.9
131 89.2 62.8 116.6
166 125.0 89.7 166.7

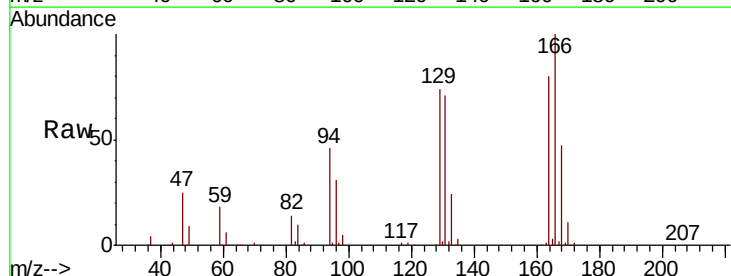


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

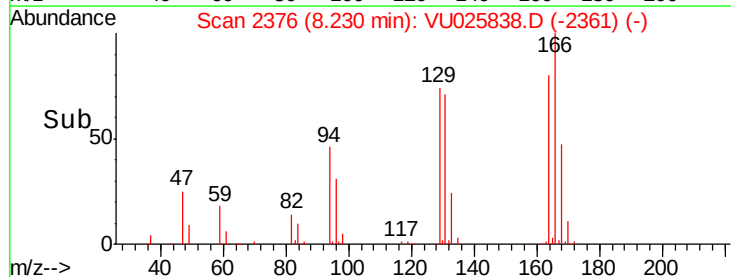
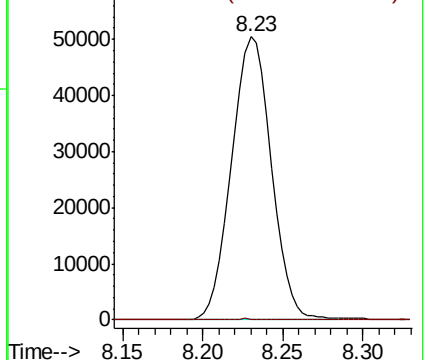


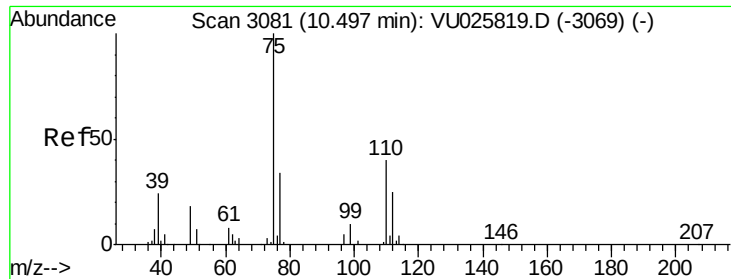
#49
Dibromochloromethane
Concen: 33.728 ug/L
RT: 8.23 min Scan# 2376
Delta R.T. -0.25 min
Lab File: VU025838.D
Acq: 03 Aug 2018 23:04

Tgt Ion:129 Resp: 85731
Ion Ratio Lower Upper
129 100
127 0.0 53.8 100.0#



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#59

1,2,3-Trichloropropane

Concen: 5.444 ug/L

RT: 11.49 min Scan# 3389

Delta R.T. 0.99 min

Lab File: VU025838.D

Acq: 03 Aug 2018 23:04

Instrument :

MSVOA_U

ClientSampleId :

E5F78

Tgt Ion: 75 Resp: 14446

Ion Ratio Lower Upper

75 100

77 41.8 25.8 38.8#

