

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041319\
 Data File : VU031155.D
 Acq On : 13 Apr 2019 14:44
 Operator : JC/SP
 Sample : K2299-29
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB709

Quant Time: Apr 15 11:37:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 13 22:25:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	317002	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	314322	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	116634	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	81803	28.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	57.82%#
7) Chloroethane-d5	1.68	69	92641	43.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.26%
11) 1,1-Dichloroethene-d2	2.26	63	103921	20.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	40.60%#
21) 2-Butanone-d5	4.17	46	272401	121.46	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	121.46%
24) Chloroform-d	4.64	84	216730	50.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.28%
26) 1,2-Dichloroethane-d4	5.30	65	170847	57.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	115.84%
32) Benzene-d6	5.33	84	377301	41.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.24%
36) 1,2-Dichloropropane-d6	6.32	67	154945	49.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.54%
41) Toluene-d8	7.56	98	263030	32.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	64.68%#
43) trans-1,3-Dichloropropene-	7.85	79	56716	39.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.10%
47) 2-Hexanone-d5	8.31	63	151703	105.55	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.55%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	247939	58.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	116.90%
64) 1,2-Dichlorobenzene-d4	11.86	152	113223	49.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.72%

Target Compounds

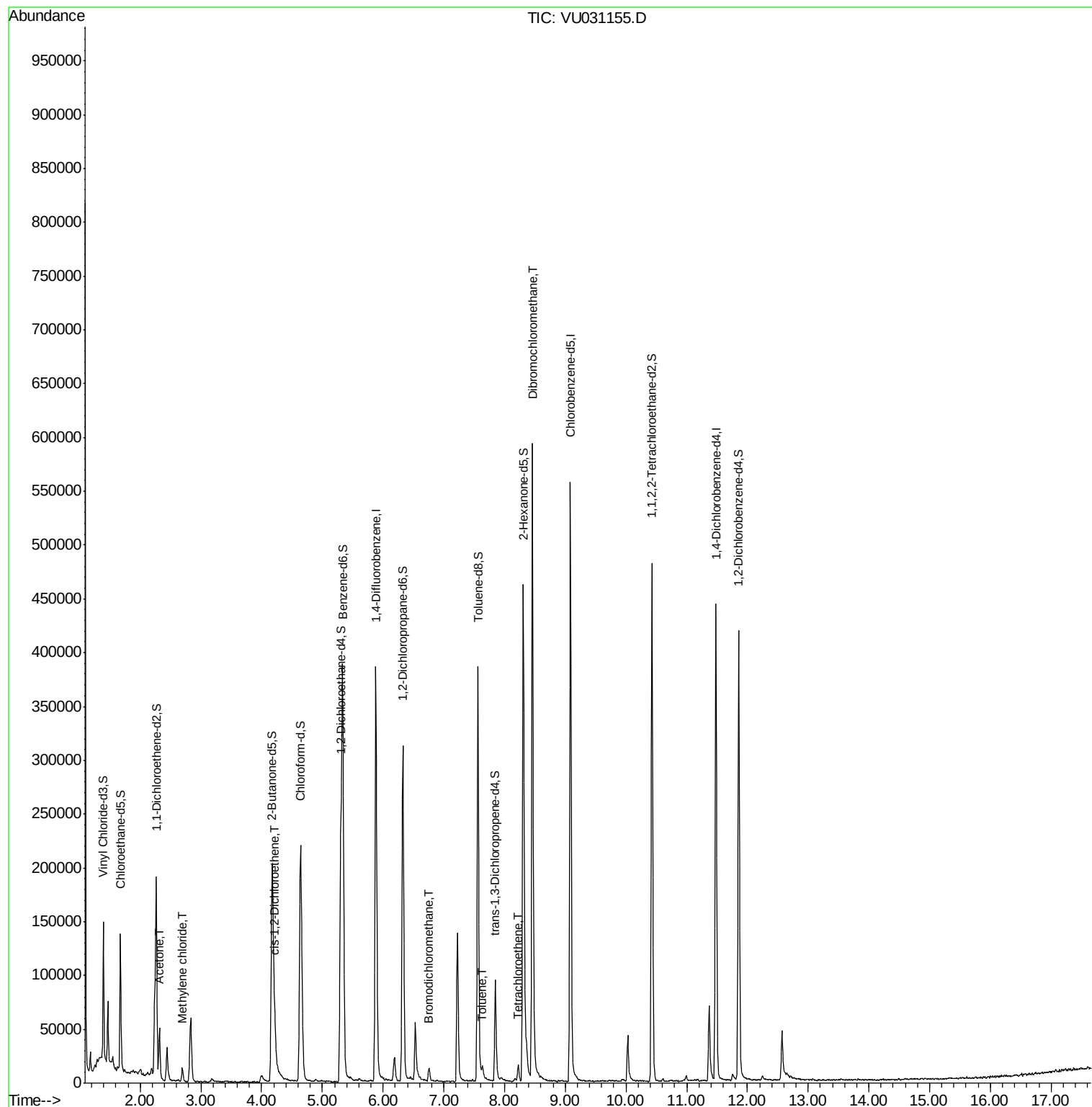
					Ovalue
13) Acetone	2.31	43	48891	21.303 ug/L	96
16) Methylene chloride	2.69	84	4922	1.849 ug/L	97
20) cis-1,2-Dichloroethene	4.22	96	10501	4.088 ug/L	98
38) Bromodichloromethane	6.76	83	8893	2.531 ug/L	97
42) Toluene	7.64	91	8239	0.785 ug/L	96
46) Tetrachloroethene	8.23	164	3955	2.156 ug/L	92
49) Dibromochloromethane	8.47	129	4405	1.681 ug/L	85

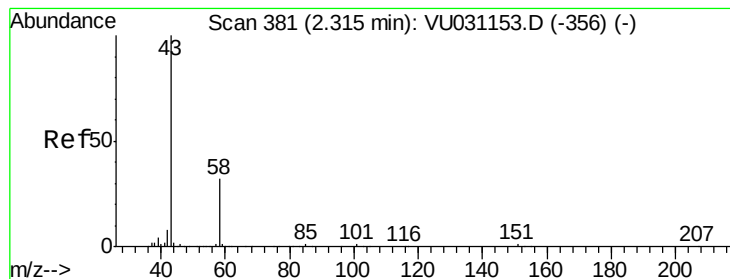
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 21.303 ug/L

RT: 2.31 min Scan# 381

Delta R.T. -0.00 min

Lab File: VU031155.D

Acq: 13 Apr 2019 14:44

Instrument :

MSVOA_U

ClientSampleId :

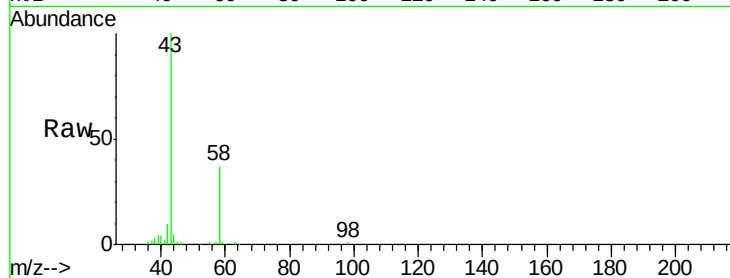
DB709

Tot Ion: 43 Resp: 48891

Ion Ratio Lower Upper

43 100

58 34.4 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU031155.D (-356) (-)

Ion 58.00 (57.70 to 58.70): VU031155.D (-356) (-)

50000

40000

30000

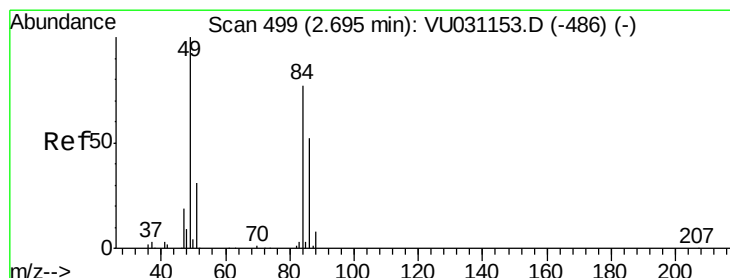
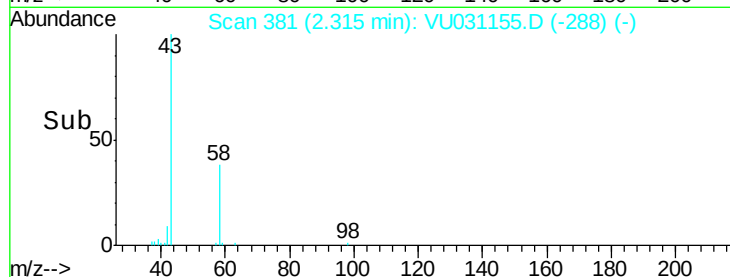
20000

10000

0

2.25 2.30 2.35

Time-->



#16

Methylene chloride

Concen: 1.849 ug/L

RT: 2.69 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU031155.D

Acq: 13 Apr 2019 14:44

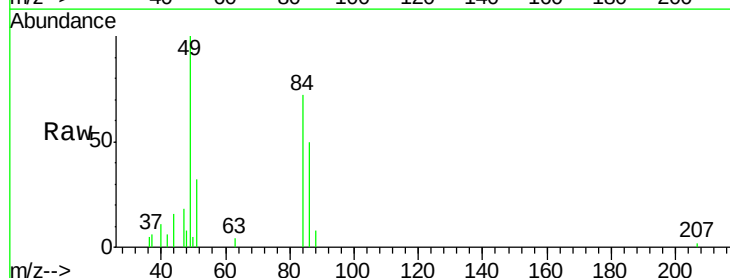
Tgt Ion: 84 Resp: 4922

Ion Ratio Lower Upper

84 100

86 70.0 45.1 83.7

49 138.8 96.5 179.1



Abundance Ion 84.00 (83.70 to 84.70): VU031155.D (-486) (-)

Ion 86.00 (85.70 to 86.70): VU031155.D (-486) (-)

Ion 49.00 (48.70 to 49.70): VU031155.D (-486) (-)

5000

4000

3000

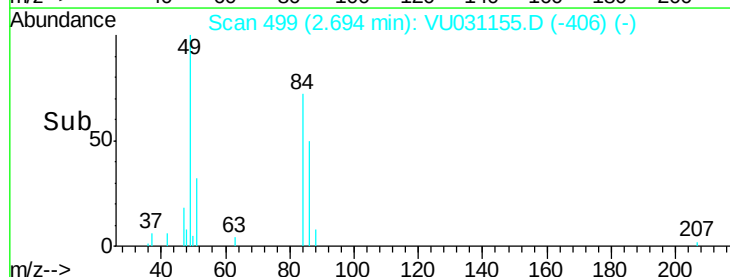
2000

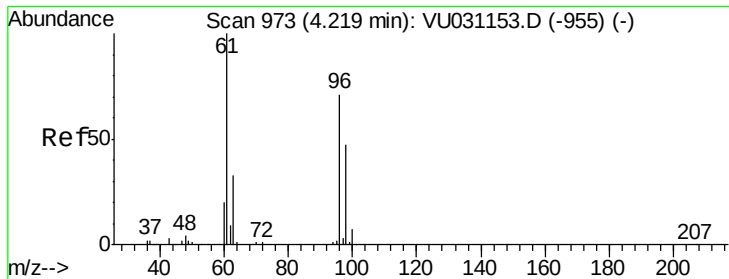
1000

0

2.65 2.70 2.75

Time-->



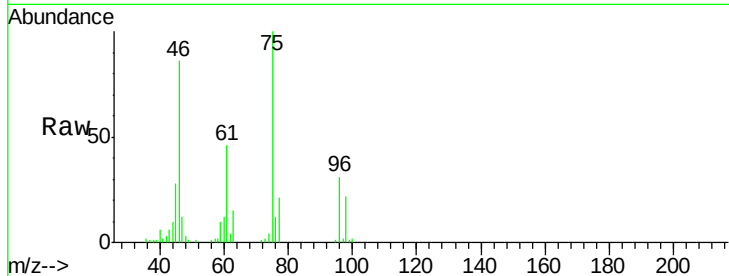


#20

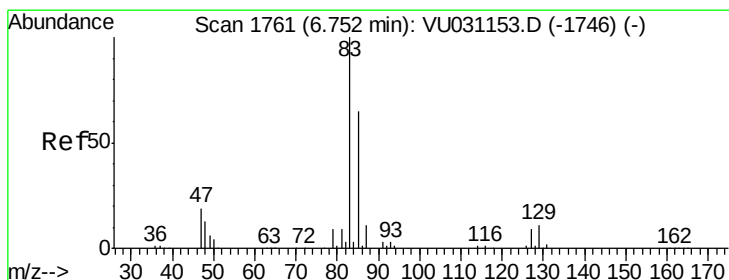
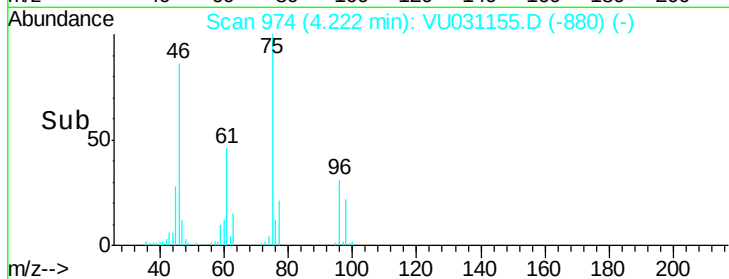
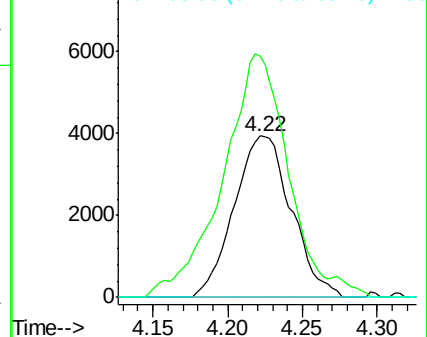
cis-1,2-Dichloroethene
 Concen: 4.088 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU031155.D
 Acq: 13 Apr 2019 14:44

Instrument :
 MSVOA_U
 ClientSampleId :
 DB709

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.4	102.9	191.1
68	0.0	0.0	0.0



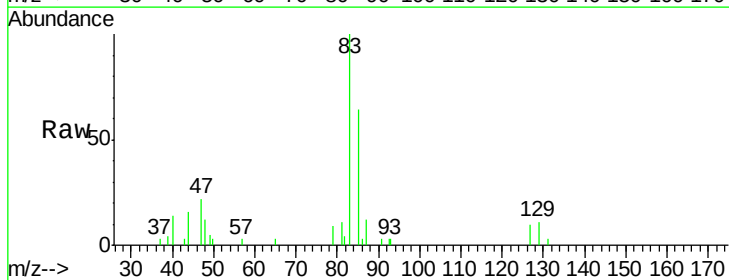
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0



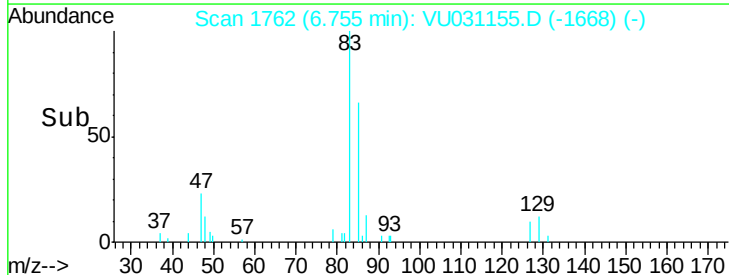
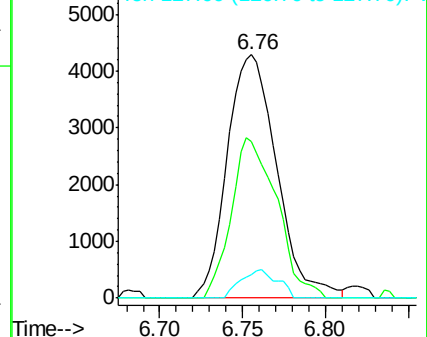
#38

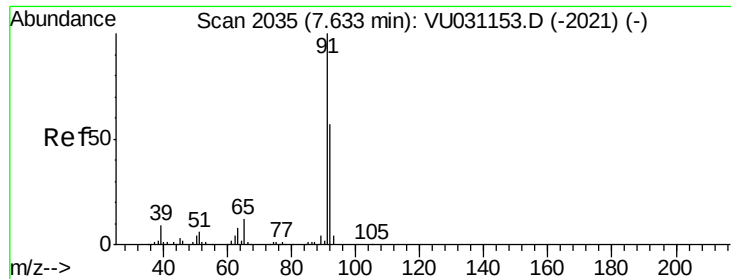
Bromodichloromethane
 Concen: 2.531 ug/L
 RT: 6.76 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VU031155.D
 Acq: 13 Apr 2019 14:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	46.5	86.3
127	9.5	6.6	10.0



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0
 Ion 127.00 (126.70 to 127.70): V





#42

Toluene

Concen: 0.785 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU031155.D

Acq: 13 Apr 2019 14:44

Instrument :

MSVOA_U

ClientSampleId :

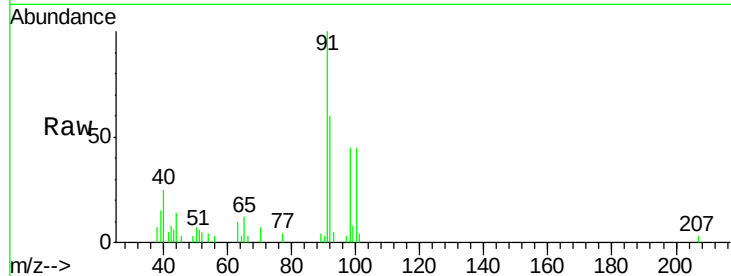
DB709

Tot Ion: 91 Resp: 8239

Ion Ratio Lower Upper

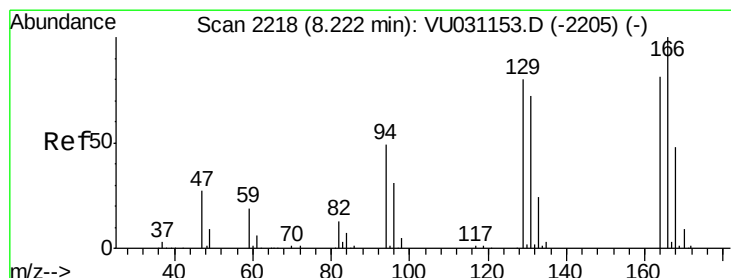
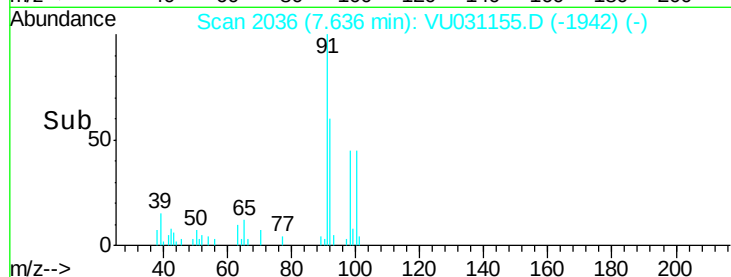
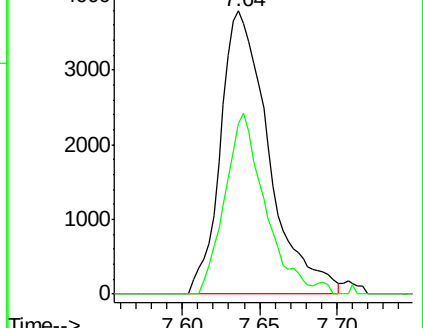
91 100

92 60.1 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU031155.D (-2021) (-)

Ion 92.00 (91.70 to 92.70): VU031155.D (-2021) (-)



#46

Tetrachloroethene

Concen: 2.156 ug/L

RT: 8.23 min Scan# 2220

Delta R.T. 0.01 min

Lab File: VU031155.D

Acq: 13 Apr 2019 14:44

Tgt Ion: 164 Resp: 3955

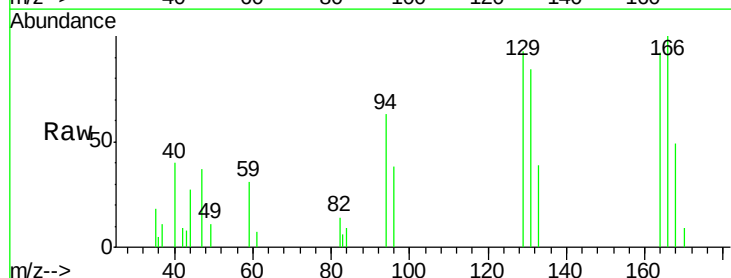
Ion Ratio Lower Upper

164 100

129 101.6 67.4 125.2

131 91.8 65.9 122.5

166 109.2 88.6 164.6

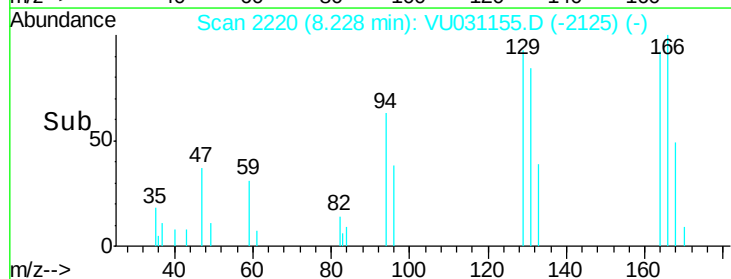
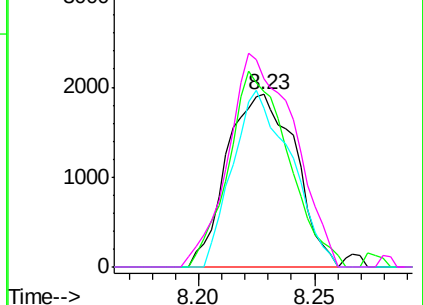


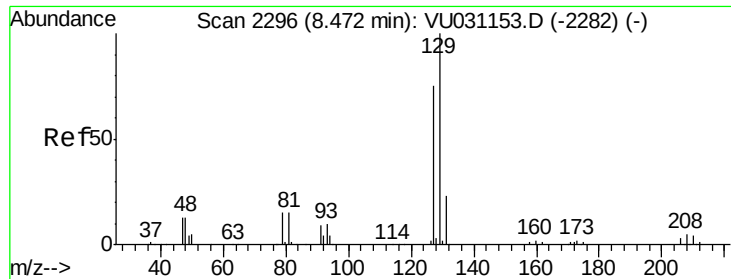
Abundance Ion 164.00 (163.70 to 164.70): VU031155.D (-2205) (-)

Ion 129.00 (128.70 to 129.70): VU031155.D (-2205) (-)

Ion 131.00 (130.70 to 131.70): VU031155.D (-2205) (-)

Ion 166.00 (165.70 to 166.70): VU031155.D (-2205) (-)





#49

Dibromochloromethane

Concen: 1.681 ug/L

RT: 8.47 min Scan# 2295

Delta R.T. -0.00 min

Lab File: VU031155.D

Acq: 13 Apr 2019 14:44

Instrument :

MSVOA_U

ClientSampleId :

DB709

Tot Ion:129 Resp: 4405

Ion Ratio Lower Upper

129 100

127 65.2 54.5 101.3

