

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 13 22:30:33 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

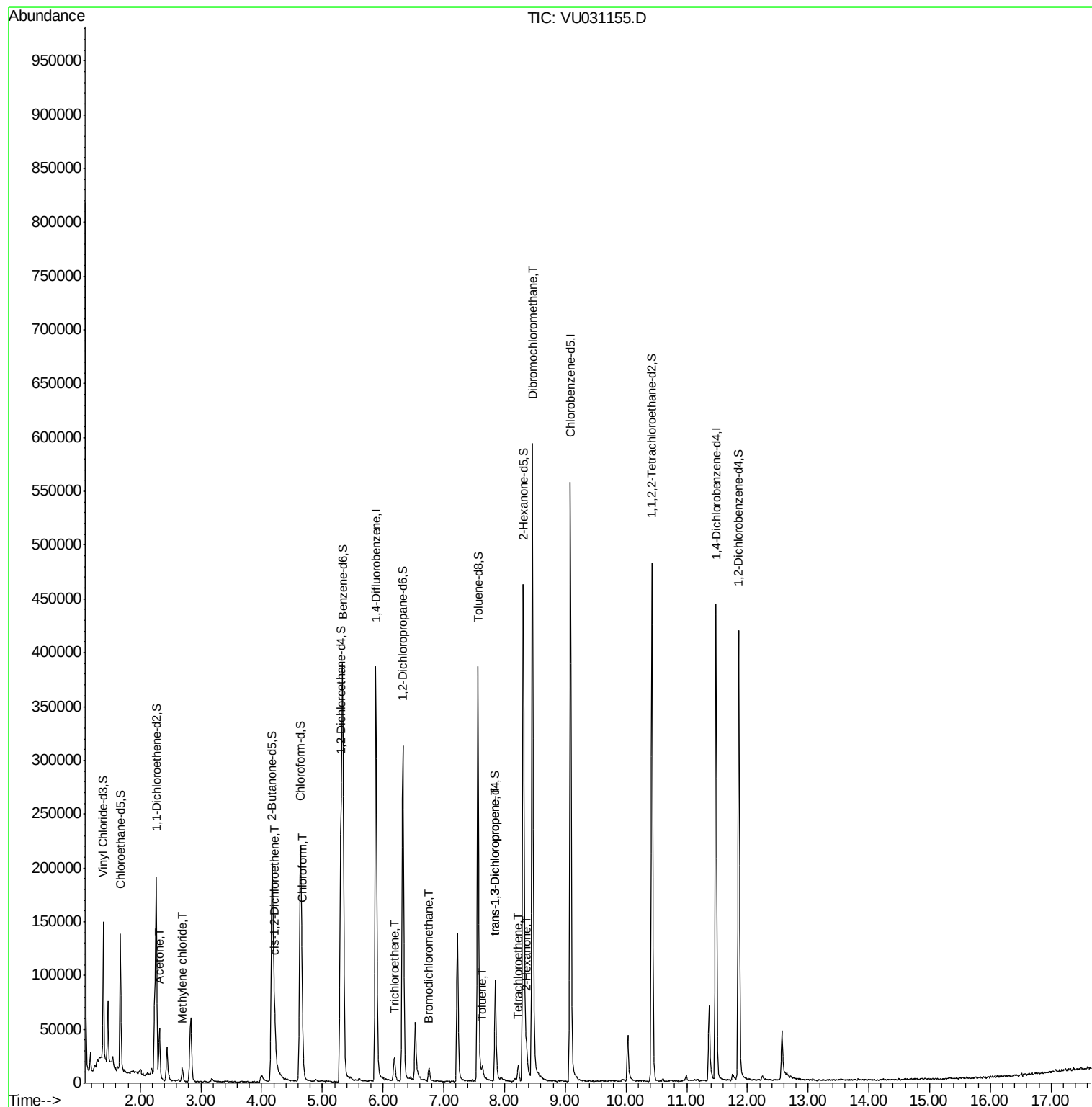
					Ovalue
13) Acetone	2.31	43	48891	21.303	ug/L 96
16) Methylene chloride	2.69	84	4922	1.849	ug/L 97
20) cis-1,2-Dichloroethene	4.22	96	10501	4.088	ug/L 98
25) Chloroform	4.67	83	40784	8.451	ug/L 97
34) Trichloroethene	6.19	95	8168	3.238	ug/L 97
38) Bromodichloromethane	6.76	83	8893	2.531	ug/L 97
42) Toluene	7.64	91	8239	0.785	ug/L 96
44) trans-1,3-Dichloropropene	7.85	75	2413	0.660	ug/L # 70
46) Tetrachloroethene	8.23	164	3955	2.156	ug/L 92
48) 2-Hexanone	8.36	43	12091	3.309	ug/L # 44
49) Dibromochloromethane	8.47	129	4405	1.681	ug/L 85

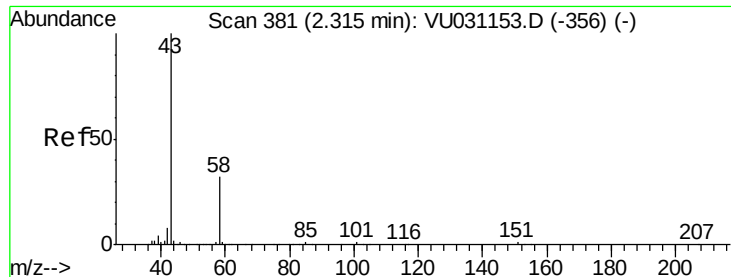
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#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 :

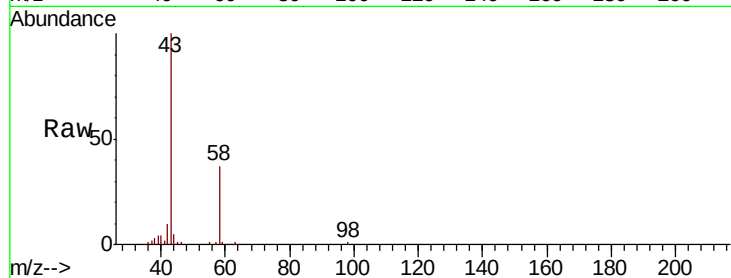
DB709

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

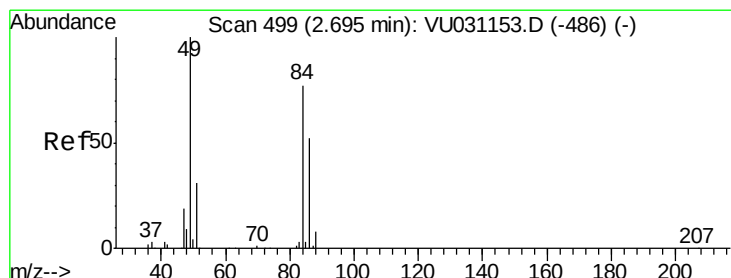
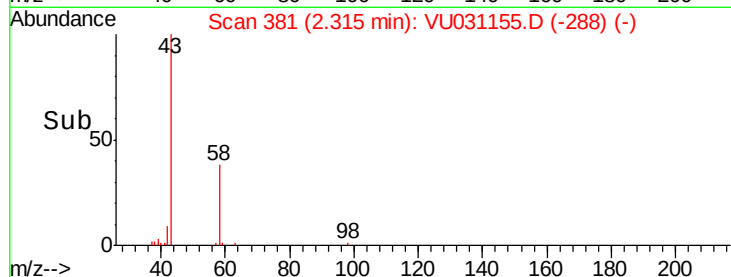
10000

0

2.25 2.30 2.35

Time-->

2.31



#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

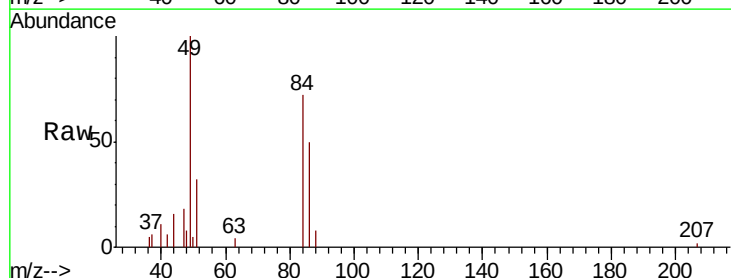
Tgt Ion: 84 Resp: 4922

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

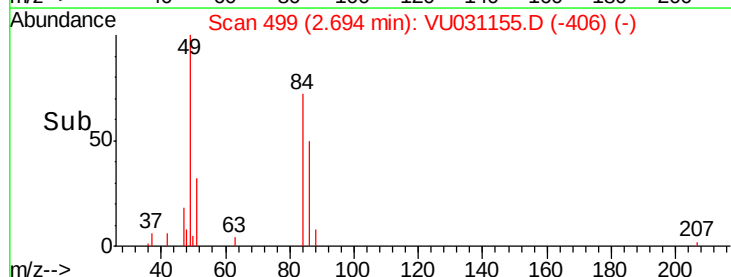
1000

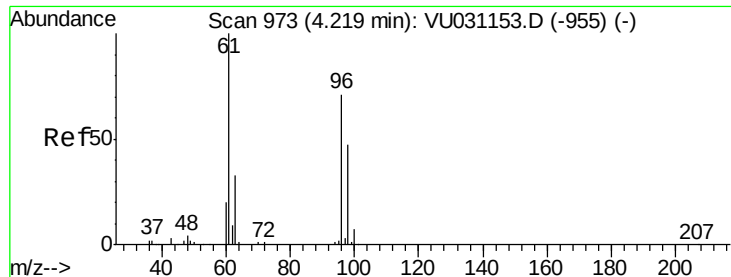
0

2.65 2.70 2.75

Time-->

2.69

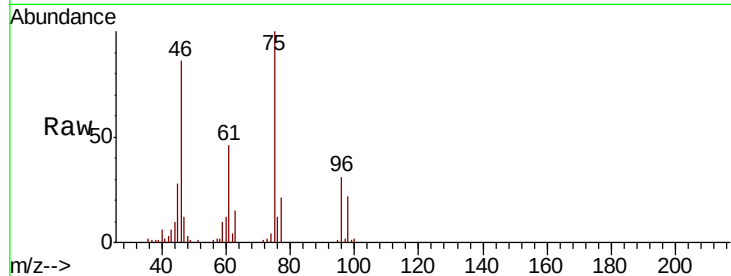




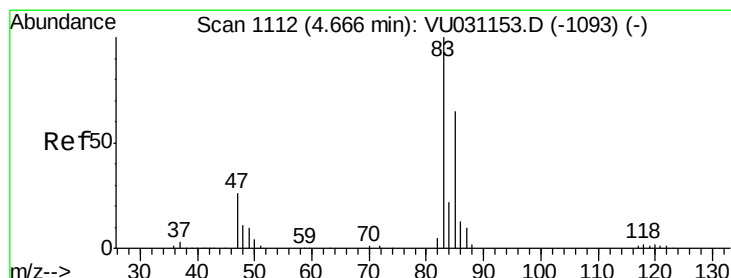
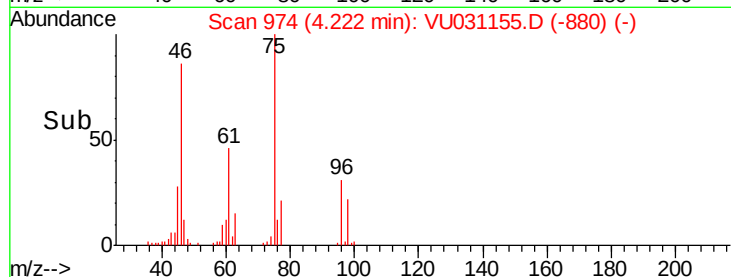
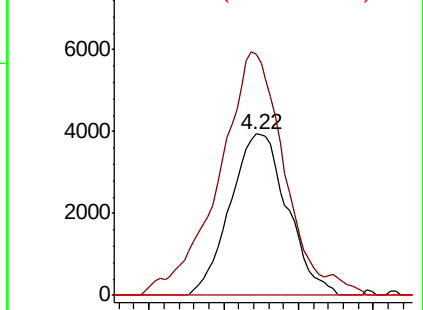
#20
 cis-1,2-Dichloroethene
 Concen: 4.088 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU031155.D
 Acq: 13 Apr 2019 14:44

Instrument :
 MSVOA_U
 ClientSampleId :
 DB709

Tot Ion: 96 Resp: 10501
 Ion Ratio Lower Upper
 96 100
 61 149.4 102.9 191.1
 68 0.0 0.0 0.0

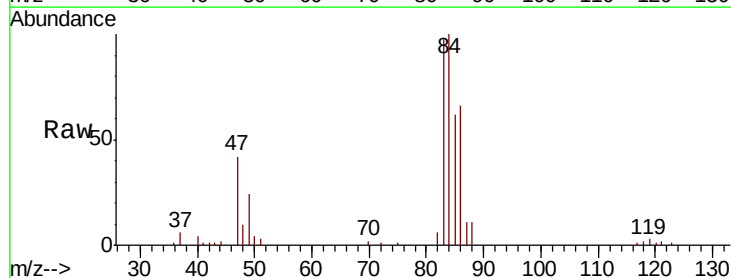


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

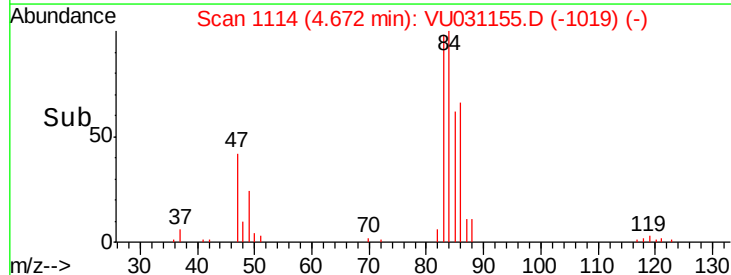
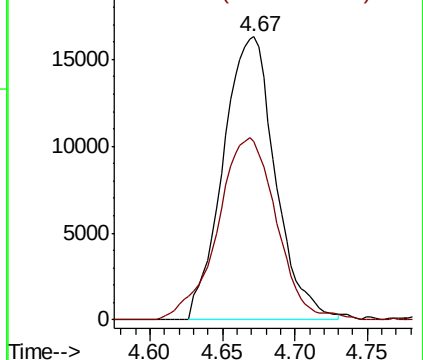


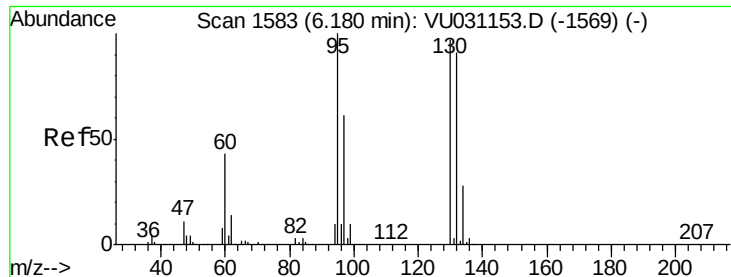
#25
 Chloroform
 Concen: 8.451 ug/L
 RT: 4.67 min Scan# 1114
 Delta R.T. 0.01 min
 Lab File: VU031155.D
 Acq: 13 Apr 2019 14:44

Tgt Ion: 83 Resp: 40784
 Ion Ratio Lower Upper
 83 100
 85 62.9 45.8 85.0



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

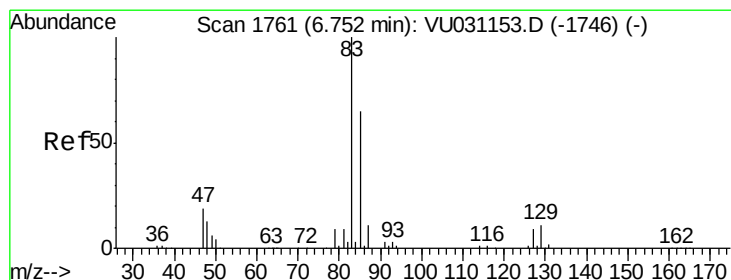
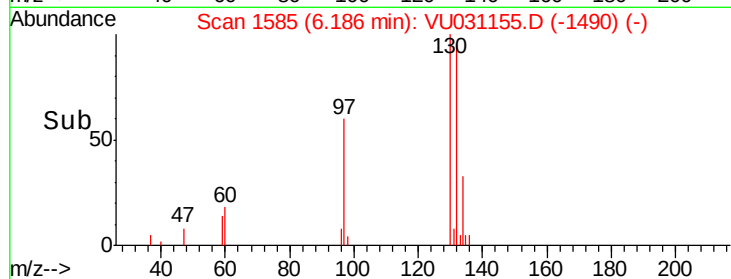
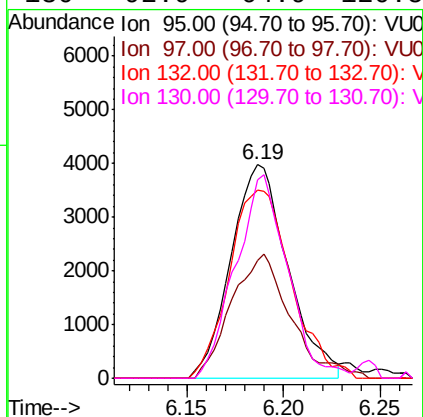
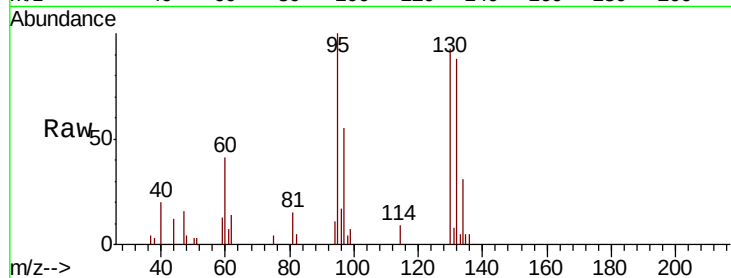




#34
 Trichloroethene
 Concen: 3.238 ug/L
 RT: 6.19 min Scan# 1585
 Delta R.T. 0.01 min
 Lab File: VU031155.D
 Acq: 13 Apr 2019 14:44

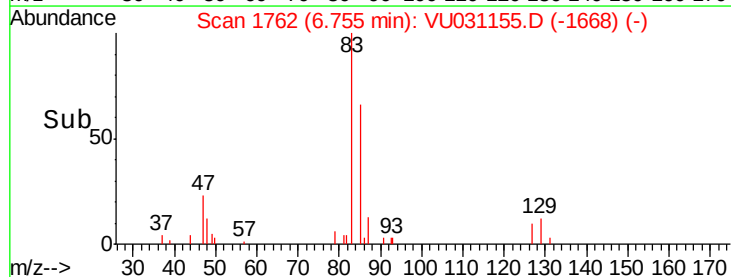
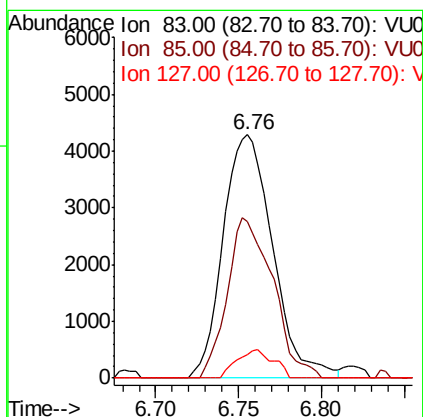
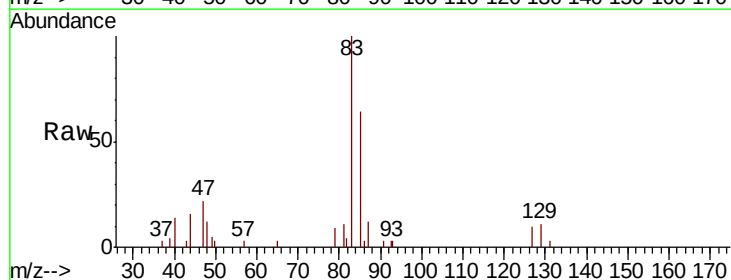
Instrument :
 MSVOA_U
 ClientSampleId :
 DB709

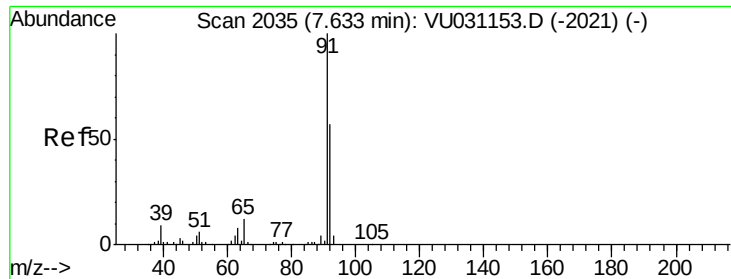
Tot Ion: 95 Resp: 8168
 Ion Ratio Lower Upper
 95 100
 97 55.3 44.5 82.7
 132 88.1 61.5 114.1
 130 92.9 64.9 120.5



#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: 83 Resp: 8893
 Ion Ratio Lower Upper
 83 100
 85 64.1 46.5 86.3
 127 9.5 6.6 10.0





#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 :

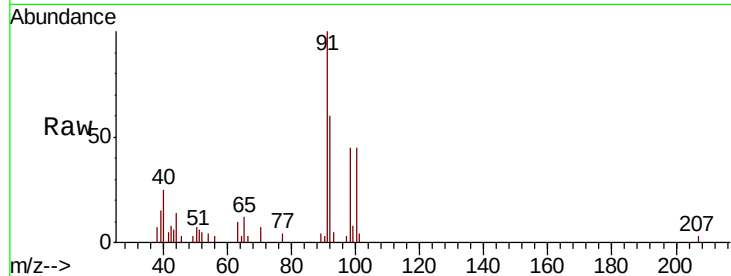
DB709

Tot Ion: 91 Resp: 8239

Ion Ratio Lower Upper

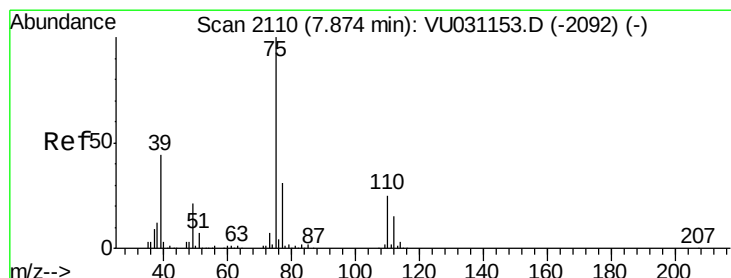
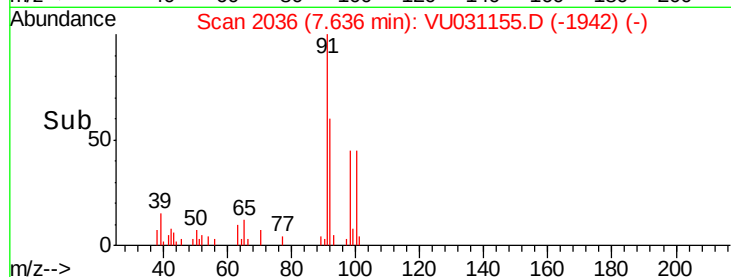
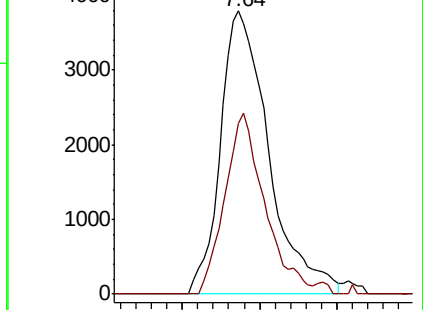
91 100

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) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.660 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU031155.D

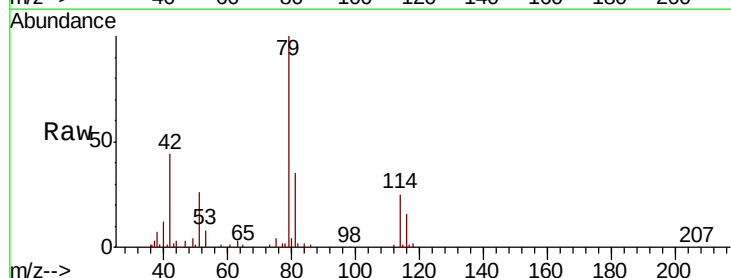
Acq: 13 Apr 2019 14:44

Tgt Ion: 75 Resp: 2413

Ion Ratio Lower Upper

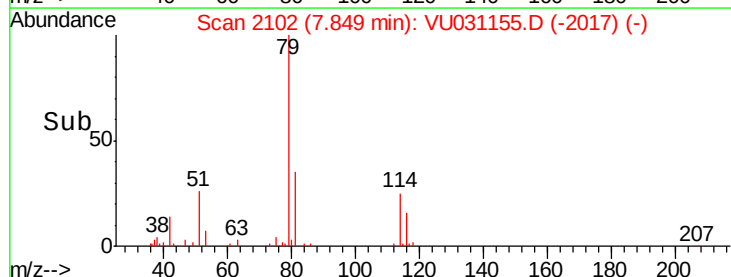
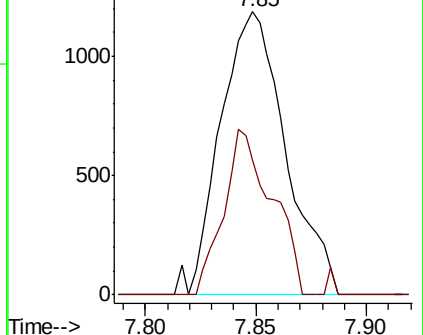
75 100

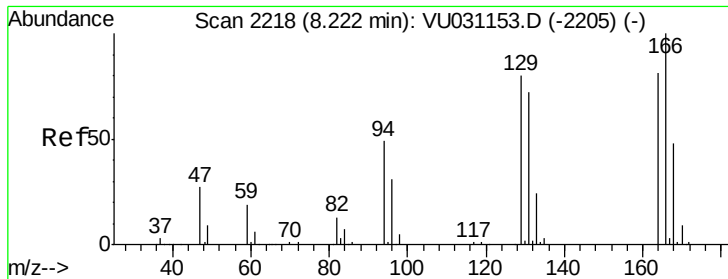
77 47.4 21.6 40.0#



Abundance Ion 75.00 (74.70 to 75.70): VU031155.D (-2092) (-)

Ion 77.00 (76.70 to 77.70): VU031155.D (-2092) (-)





#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

Instrument :

MSVOA_U

ClientSampleId :

DB709

Tot Ion:164 Resp: 3955

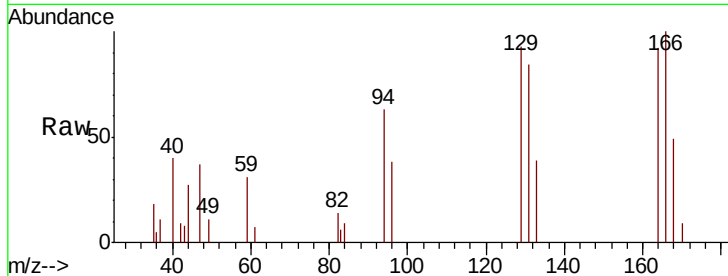
Ion Ratio Lower Upper

164 100

129 101.6 67.4 125.2

131 91.8 65.9 122.5

166 109.2 88.6 164.6

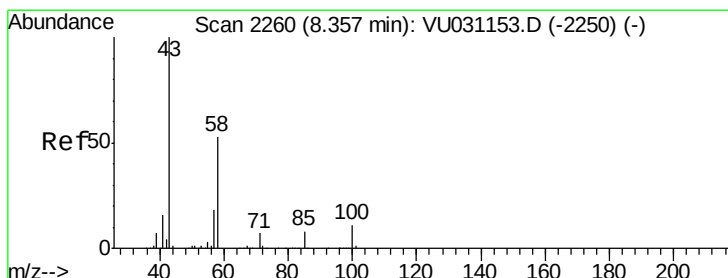
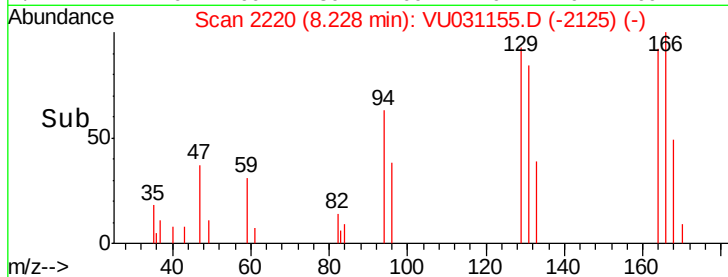
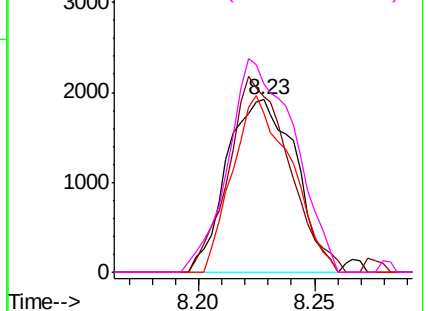


Abundance Ion 164.00 (163.70 to 164.70): V

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



#48

2-Hexanone

Concen: 3.309 ug/L

RT: 8.36 min Scan# 2262

Delta R.T. 0.01 min

Lab File: VU031155.D

Acq: 13 Apr 2019 14:44

Tgt Ion: 43 Resp: 12091

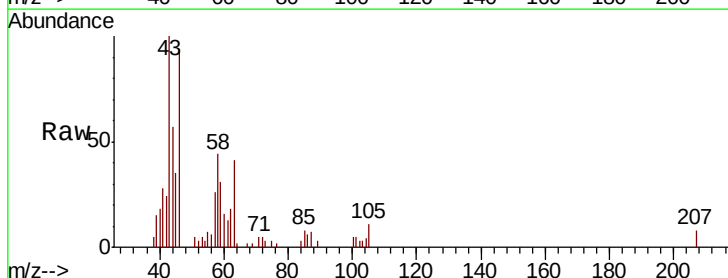
Ion Ratio Lower Upper

43 100

58 0.0 41.9 62.9#

57 9.1 14.3 21.5#

100 0.9 7.1 10.7#

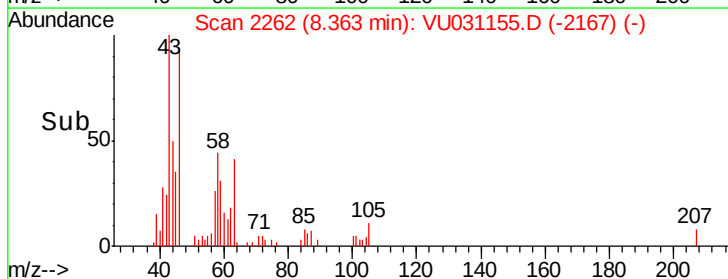
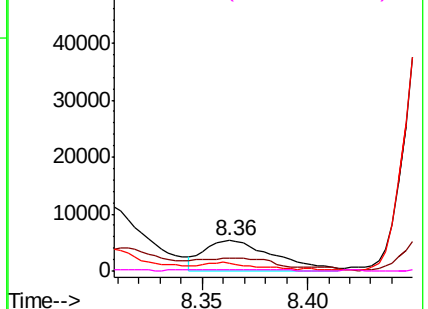


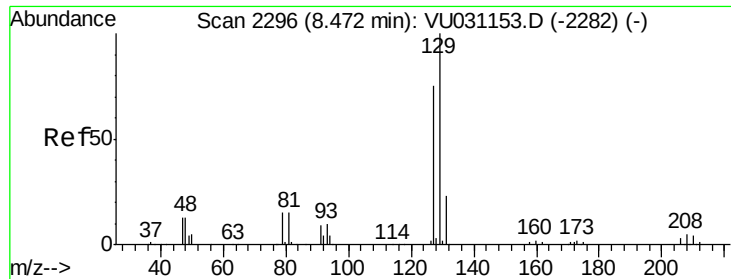
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#49

Dibromochloromethane

Concen: 1.681 ug/L

RT: 8.47 min Scan# 2295

Delta R.T. -0.00 min

Lab File: VU031155.D

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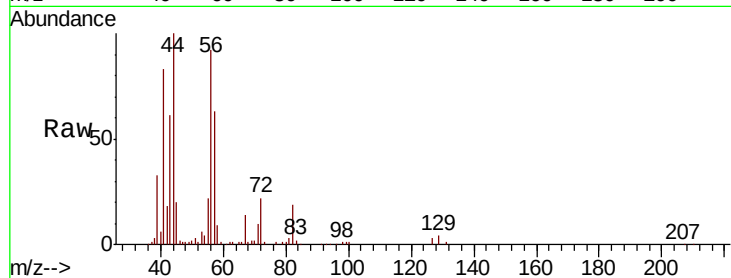
DB709

Tot Ion:129 Resp: 4405

Ion Ratio Lower Upper

129 100

127 65.2 54.5 101.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

