

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041319\
 Data File : VU031156.D
 Acq On : 13 Apr 2019 15:07
 Operator : JC/SP
 Sample : K2299-31
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB713

Quant Time: Apr 13 22:30:42 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	468828	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	465674	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	187156	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	186074	44.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.92%
7) Chloroethane-d5	1.68	69	145382	45.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.54%
11) 1,1-Dichloroethene-d2	2.26	63	256191	33.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.68%
21) 2-Butanone-d5	4.17	46	287368	86.64	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.64%
24) Chloroform-d	4.64	84	298148	46.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.28%
26) 1,2-Dichloroethane-d4	5.31	65	204886	46.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.94%
32) Benzene-d6	5.33	84	615830	45.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.60%
36) 1,2-Dichloropropane-d6	6.32	67	210003	45.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.16%
41) Toluene-d8	7.56	98	512238	42.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.02%
43) trans-1,3-Dichloropropene-	7.85	79	88920	41.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.72%
47) 2-Hexanone-d5	8.31	63	170140	79.90	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	79.90%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	285059	45.36	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.72%
64) 1,2-Dichlorobenzene-d4	11.86	152	187355	50.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

					Ovalue
5) Vinyl chloride	1.40	62	60440	11.721	ug/L # 60
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	2603	0.775	ug/L # 20
12) 1,1-Dichloroethene	2.26	96	2469	0.762	ug/L # 1
13) Acetone	2.32	43	44950	13.243	ug/L 100
16) Methylene chloride	2.69	84	2708	0.688	ug/L # 61
17) trans-1,2-Dichloroethene	2.98	96	3794	1.103	ug/L 97
20) cis-1,2-Dichloroethene	4.22	96	428600	112.806	ug/L 93
25) Chloroform	4.67	83	48277	6.764	ug/L 99
34) Trichloroethene	6.18	95	203622	54.479	ug/L 95
38) Bromodichloromethane	6.76	83	12648	2.430	ug/L 87
42) Toluene	7.64	91	5334	0.343	ug/L 93
44) trans-1,3-Dichloropropene	7.85	75	3922	0.725	ug/L 100
46) Tetrachloroethene	8.22	164	40168	14.782	ug/L 98
48) 2-Hexanone	8.37	43	10088	1.863	ug/L # 84
49) Dibromochloromethane	8.48	129	5417	1.395	ug/L 95

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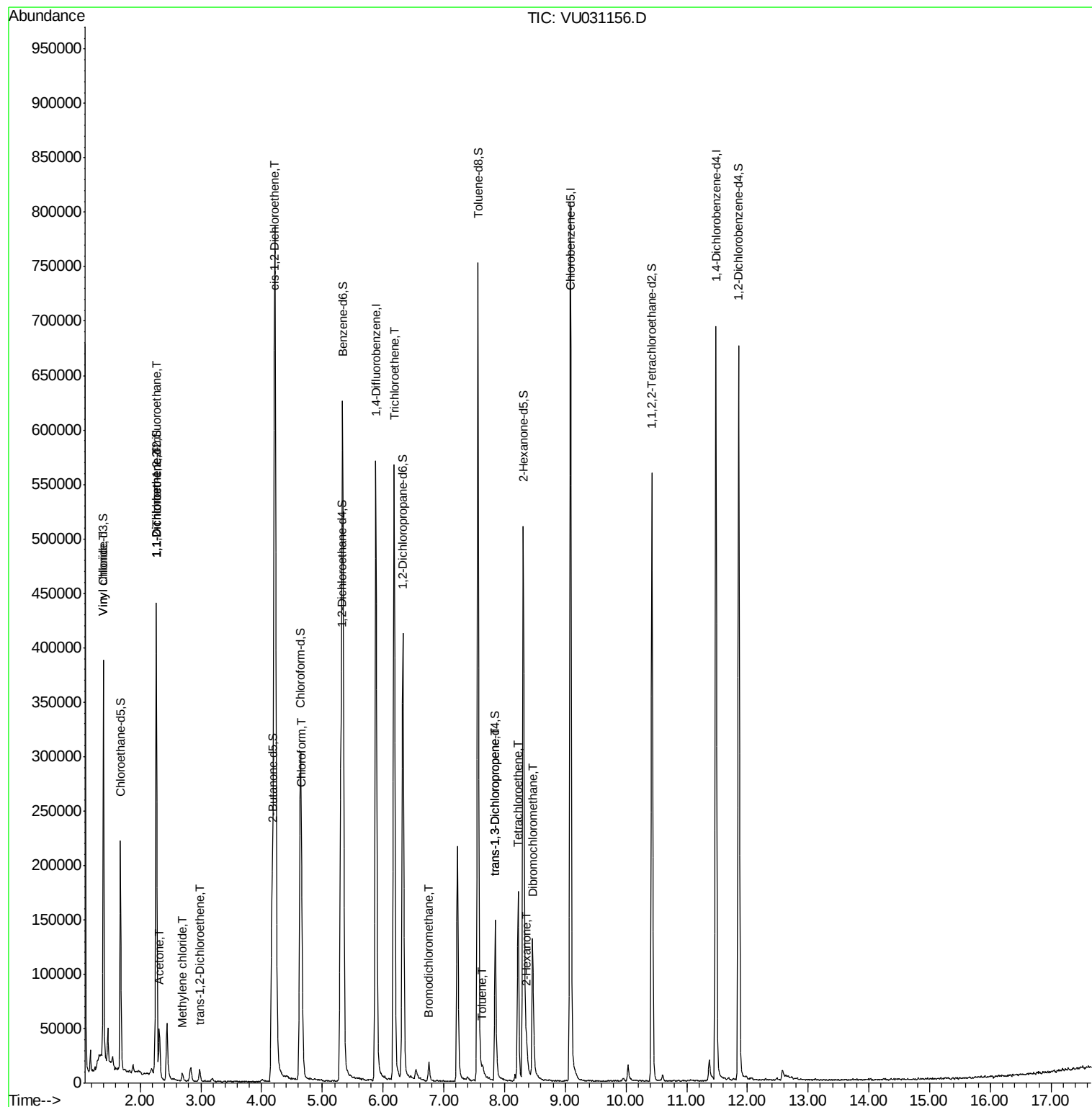
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

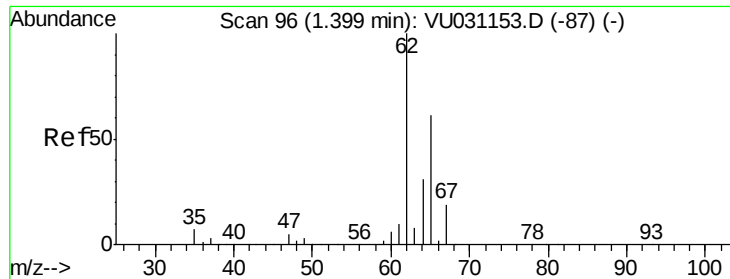
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#5

Vinyl chloride

Concen: 11.721 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU031156.D

Acq: 13 Apr 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

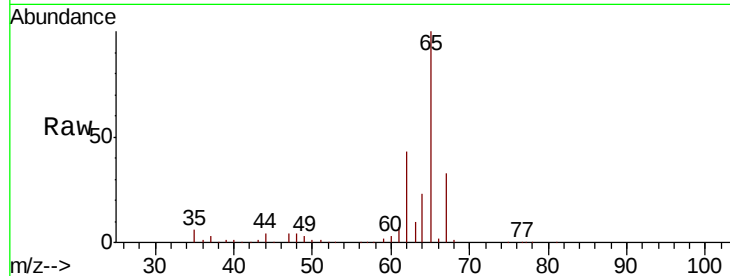
DB713

Tot Ion: 62 Resp: 60440

Ion Ratio Lower Upper

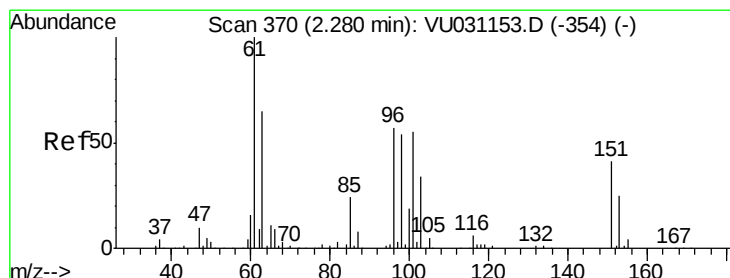
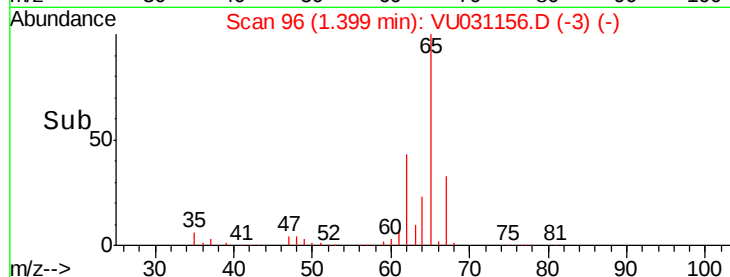
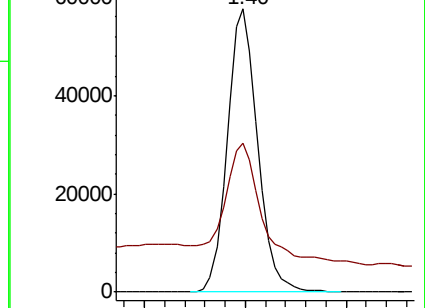
62 100

64 52.9 21.5 39.9#



Abundance Ion 62.00 (61.70 to 62.70): VU031153.D (-87) (-)

Ion 64.00 (63.70 to 64.70): VU031156.D (-3) (-)



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.775 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU031156.D

Acq: 13 Apr 2019 15:07

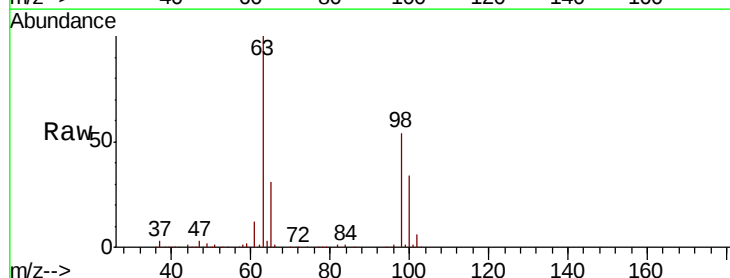
Tgt Ion: 101 Resp: 2603

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

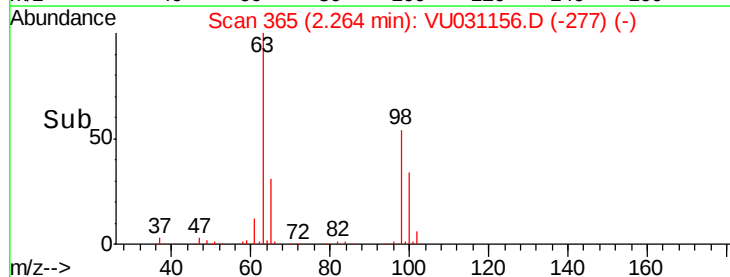
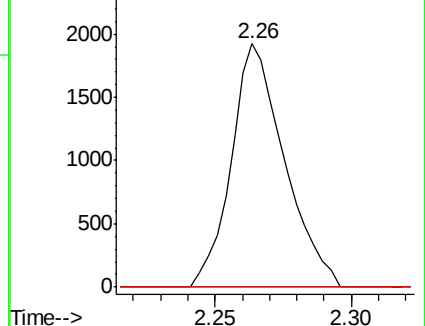
151 0.0 57.4 86.0#

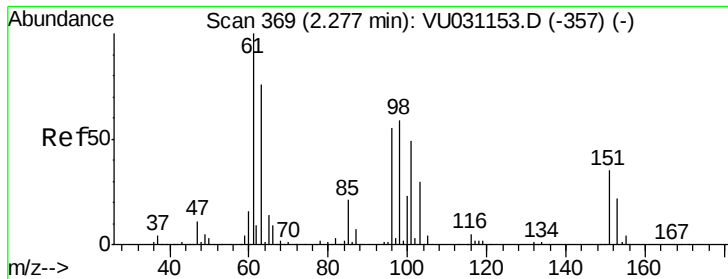


Abundance Ion 101.00 (100.70 to 101.70): VU031153.D (-354) (-)

Ion 85.00 (84.70 to 85.70): VU031156.D (-277) (-)

Ion 151.00 (150.70 to 151.70): VU031156.D (-277) (-)





#12

1,1-Dichloroethene

Concen: 0.762 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.01 min

Lab File: VU031156.D

Acq: 13 Apr 2019 15:07

Instrument :

MSVOA_U

ClientSampled :

DB713

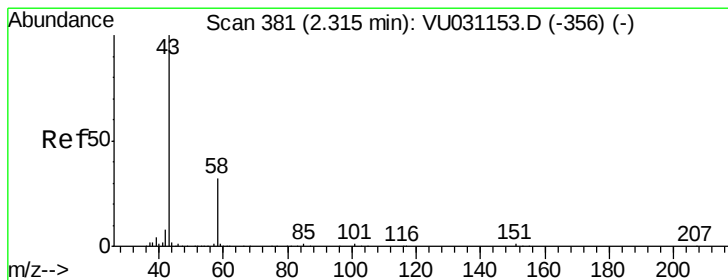
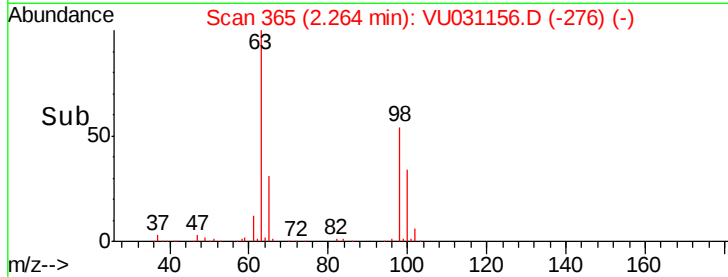
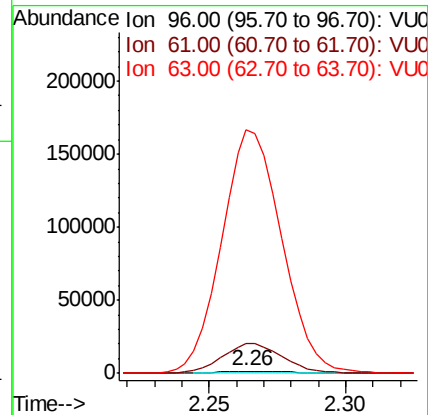
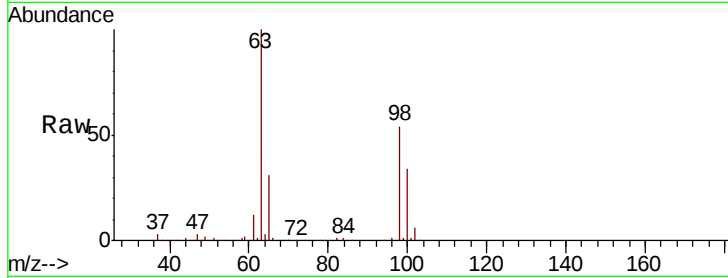
Tot Ion: 96 Resp: 2469

Ion Ratio Lower Upper

96 100

61 1315.7 132.0 245.2#

63 10828.8 90.9 168.9#



#13

Acetone

Concen: 13.243 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU031156.D

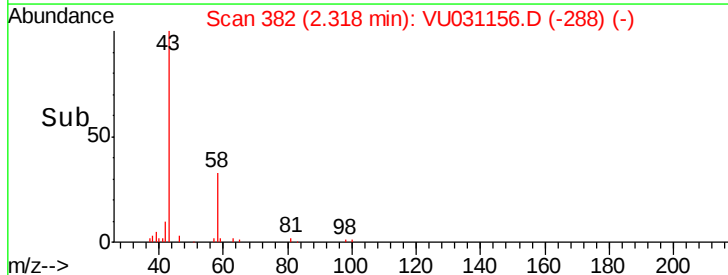
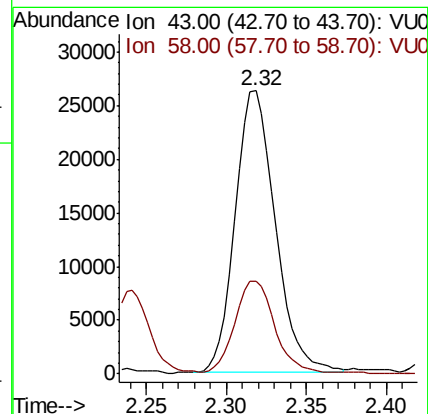
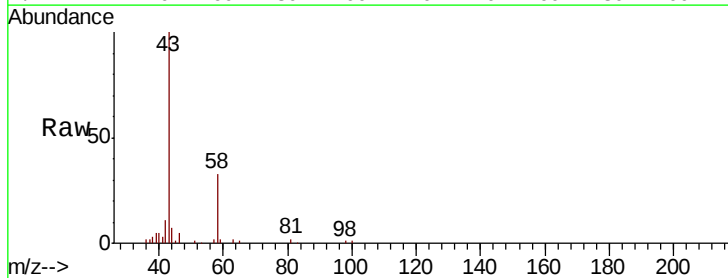
Acq: 13 Apr 2019 15:07

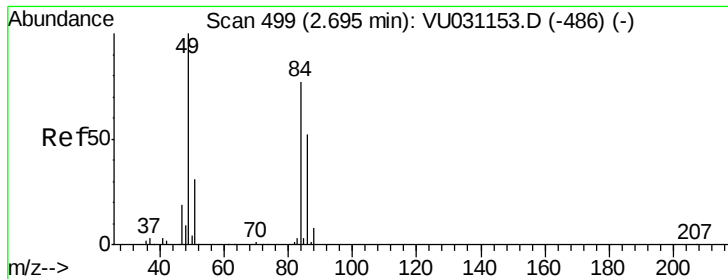
Tgt Ion: 43 Resp: 44950

Ion Ratio Lower Upper

43 100

58 31.7 0.0 64.0

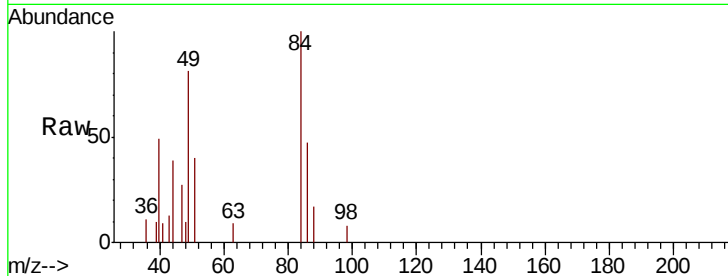




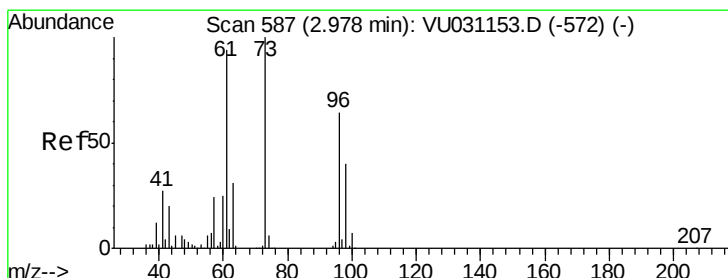
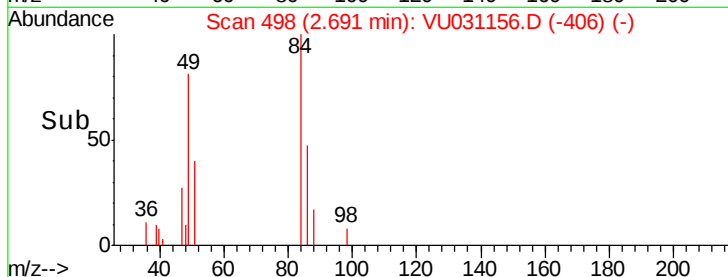
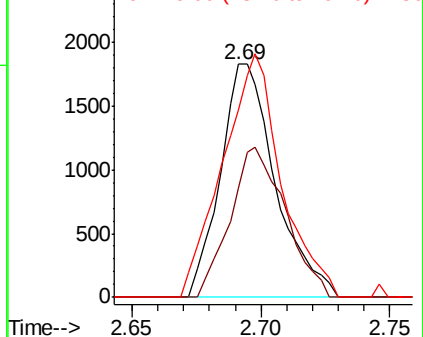
#16
Methylene chloride
Concen: 0.688 ug/L
RT: 2.69 min Scan# 498
Delta R.T. -0.00 min
Lab File: VU031156.D
Acq: 13 Apr 2019 15:07

Instrument :
MSVOA_U
ClientSampleID :
DB713

Tot Ion: 84 Resp: 2708
Ion Ratio Lower Upper
84 100
86 47.0 45.1 83.7
49 80.5 96.5 179.1#

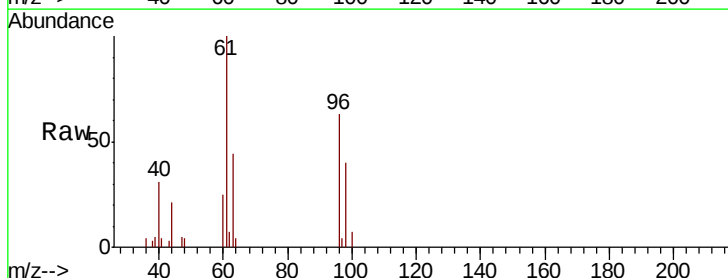


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.00 (48.70 to 49.70): VU0

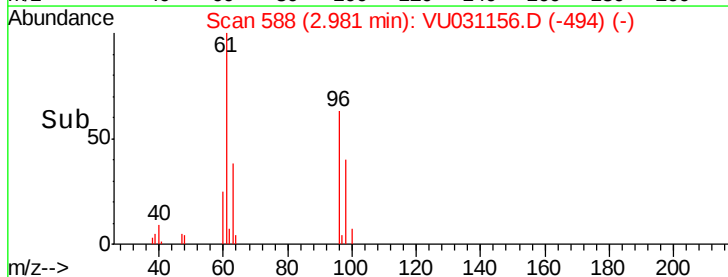
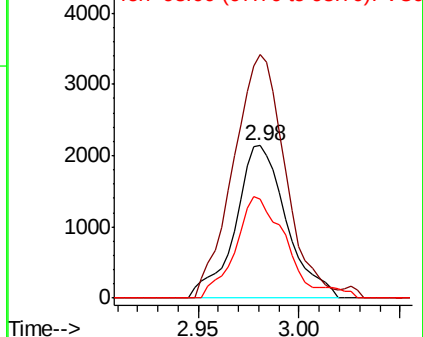


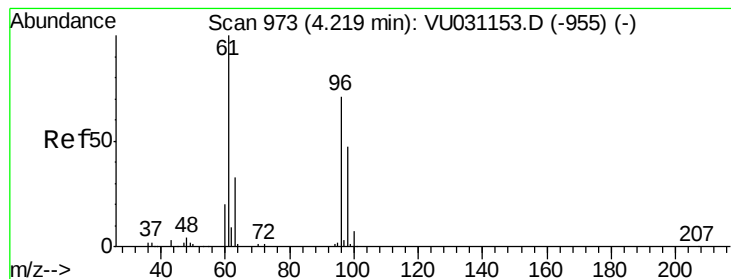
#17
trans-1,2-Dichloroethene
Concen: 1.103 ug/L
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU031156.D
Acq: 13 Apr 2019 15:07

Tgt Ion: 96 Resp: 3794
Ion Ratio Lower Upper
96 100
61 160.0 109.5 203.3
98 64.7 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0





#20

cis-1,2-Dichloroethene

Concen: 112.806 ug/L

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU031156.D

Acq: 13 Apr 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

DB713

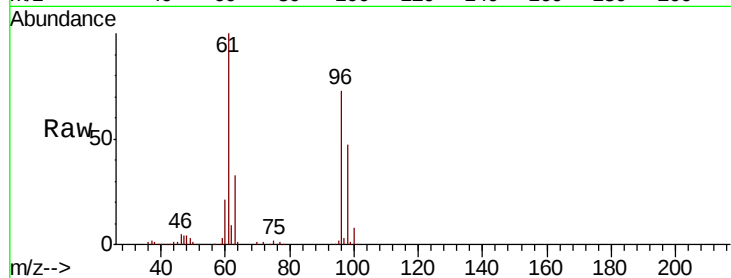
Tot Ion: 96 Resp: 428600

Ion Ratio Lower Upper

96 100

61 137.7 102.9 191.1

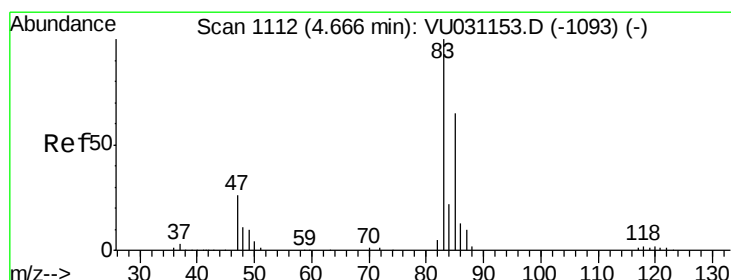
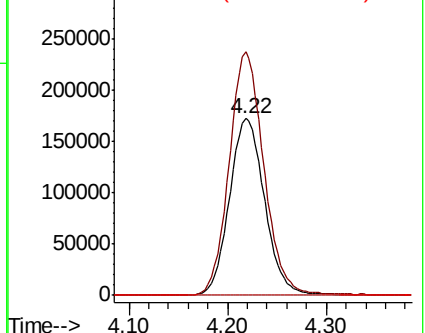
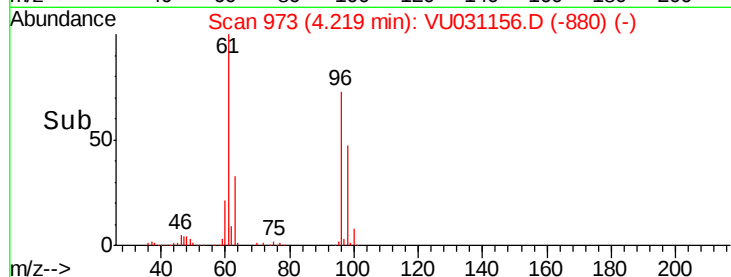
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU031156.D (-880) (-)

Ion 61.00 (60.70 to 61.70): VU031156.D (-880) (-)

Ion 68.00 (67.70 to 68.70): VU031156.D (-880) (-)



#25

Chloroform

Concen: 6.764 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VU031156.D

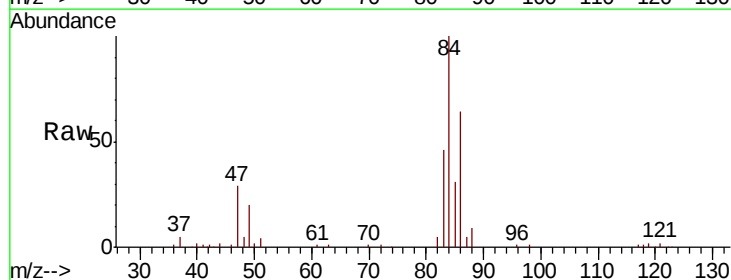
Acq: 13 Apr 2019 15:07

Tgt Ion: 83 Resp: 48277

Ion Ratio Lower Upper

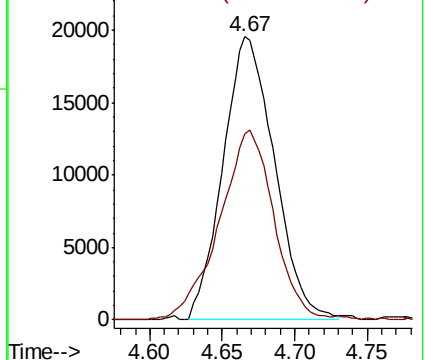
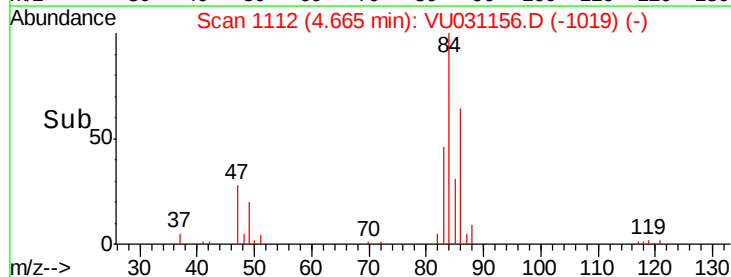
83 100

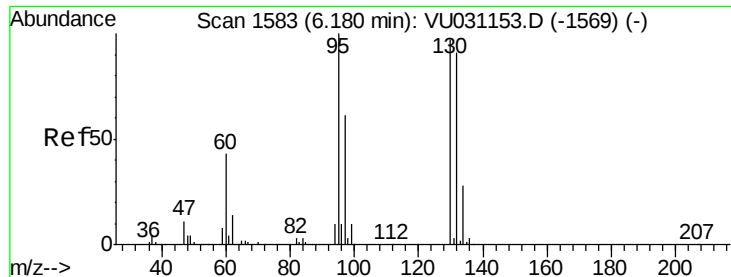
85 65.8 45.8 85.0



Abundance Ion 83.00 (82.70 to 83.70): VU031156.D (-1019) (-)

Ion 85.00 (84.70 to 85.70): VU031156.D (-1019) (-)





#34

Trichloroethene

Concen: 54.479 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU031156.D

Acq: 13 Apr 2019 15:07

Instrument :

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ClientSampleId :

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Tot Ion: 95 Resp: 203622

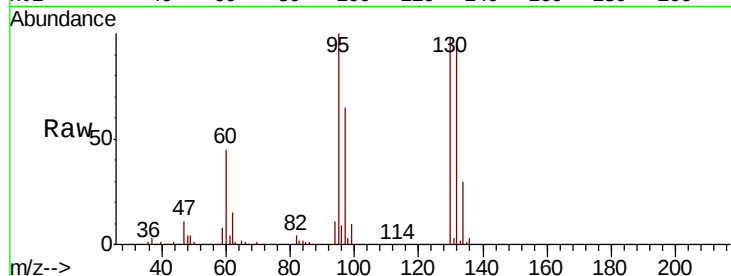
Ion Ratio Lower Upper

95 100

97 64.6 44.5 82.7

132 95.5 61.5 114.1

130 97.6 64.9 120.5

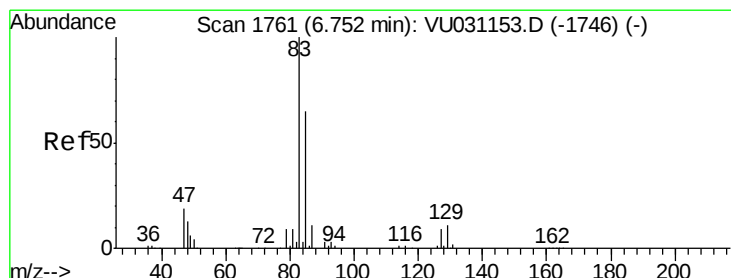
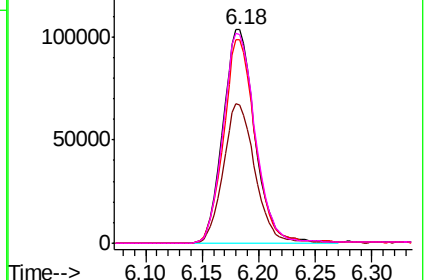
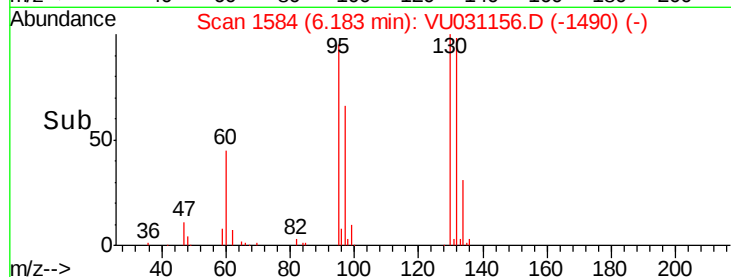


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#38

Bromodichloromethane

Concen: 2.430 ug/L

RT: 6.76 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VU031156.D

Acq: 13 Apr 2019 15:07

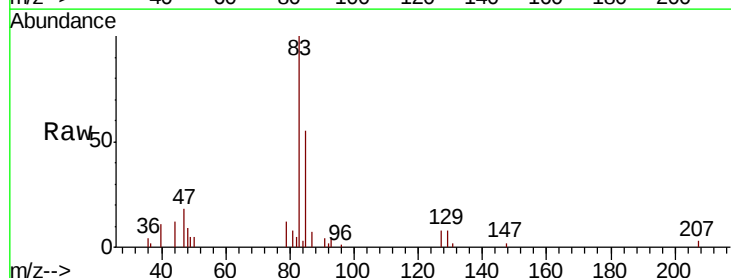
Tgt Ion: 83 Resp: 12648

Ion Ratio Lower Upper

83 100

85 55.0 46.5 86.3

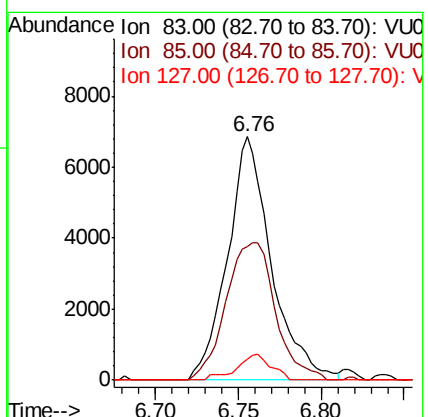
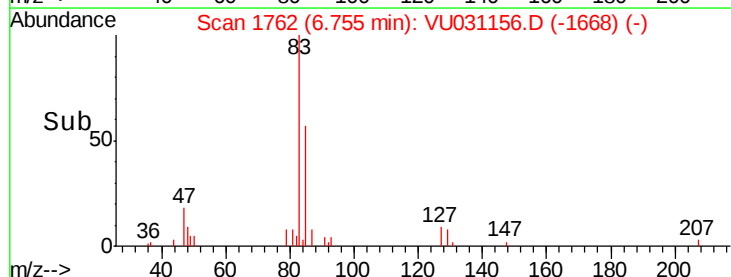
127 8.5 6.6 10.0

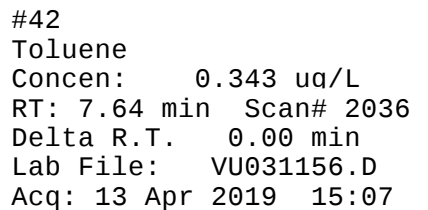


Abundance Ion 83.00 (82.70 to 83.70): VU0

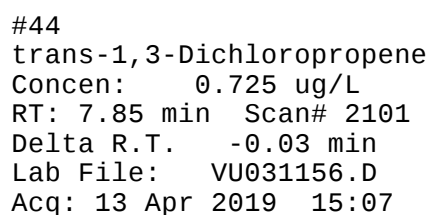
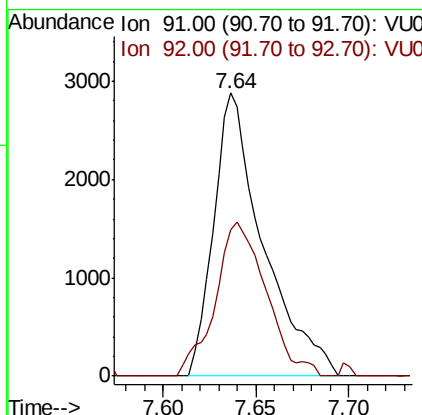
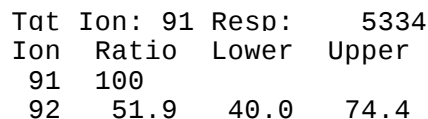
Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V

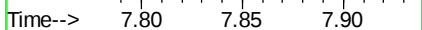
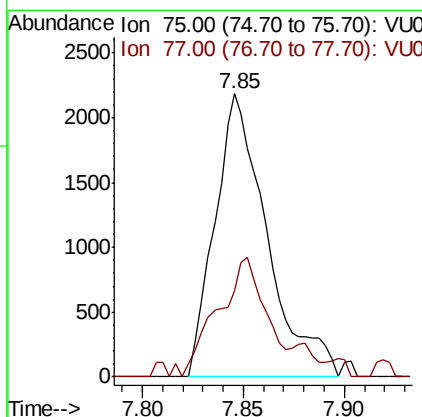


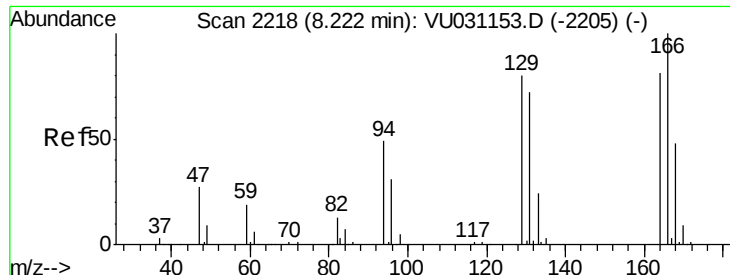


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Tgt	Ion: 75	Resp:	3922
Ion	Ratio	Lower	Upper
75	100		
77	30.6	21.6	40.0





#46

Tetrachloroethene

Concen: 14.782 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU031156.D

Acq: 13 Apr 2019 15:07

Instrument :

MSVOA_U

ClientSampled :

DB713

Tot Ion:164 Resp: 40168

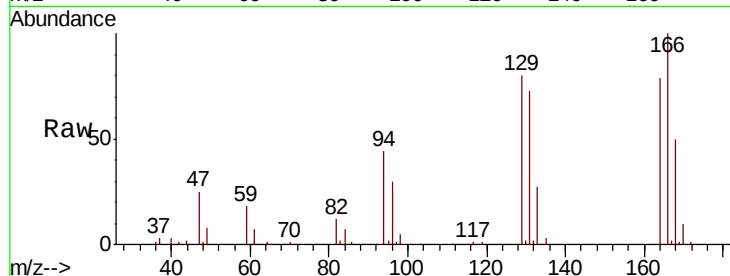
Ion Ratio Lower Upper

164 100

129 101.7 67.4 125.2

131 92.7 65.9 122.5

166 126.9 88.6 164.6

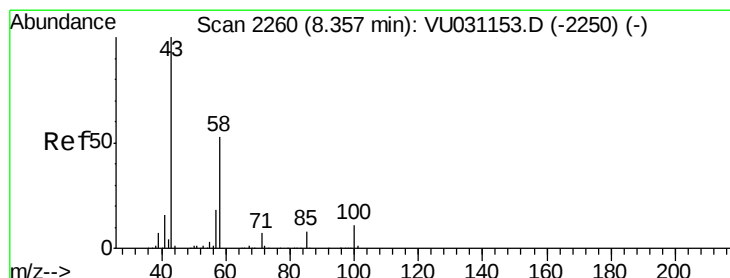
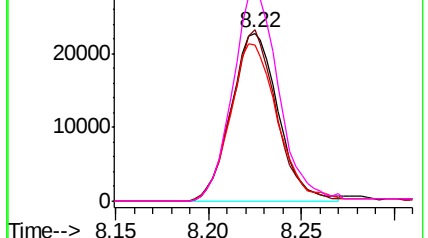
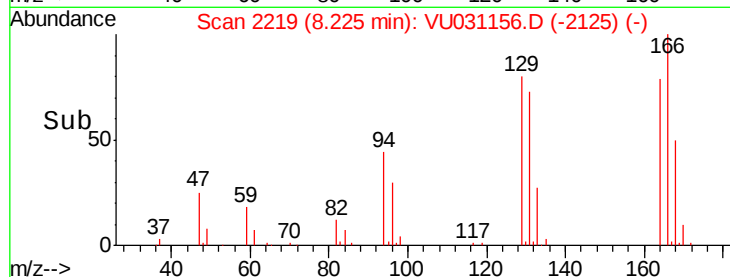


Abundance Ion 164.00 (163.70 to 164.70): V

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: 1.863 ug/L

RT: 8.37 min Scan# 2263

Delta R.T. 0.01 min

Lab File: VU031156.D

Acq: 13 Apr 2019 15:07

Tgt Ion: 43 Resp: 10088

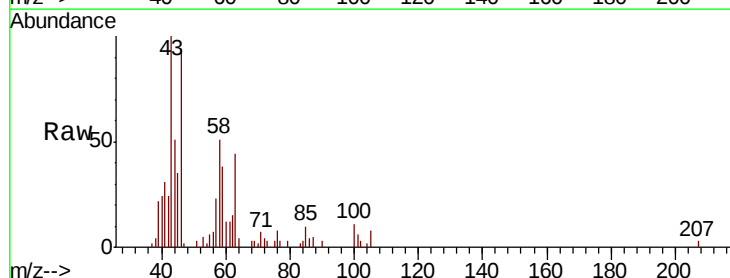
Ion Ratio Lower Upper

43 100

58 64.4 41.9 62.9#

57 11.5 14.3 21.5#

100 13.7 7.1 10.7#

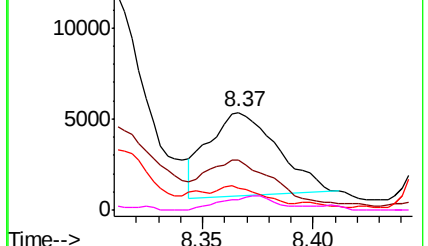
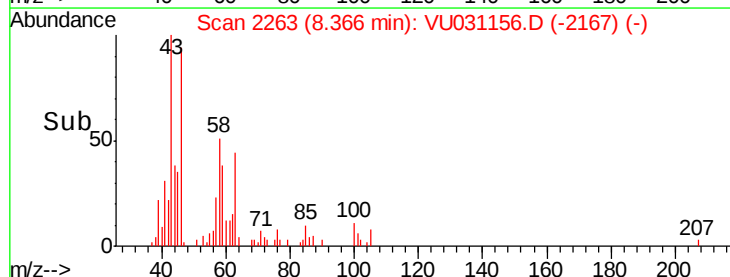


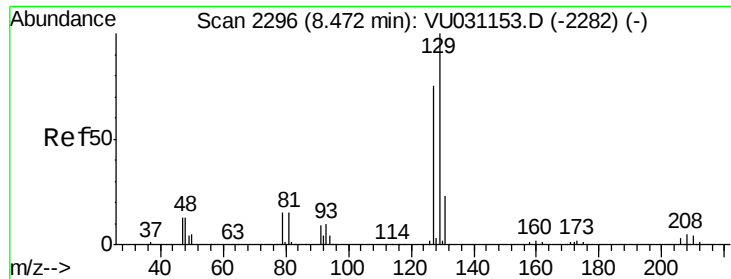
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 1.395 ug/L

RT: 8.48 min Scan# 2297

Delta R.T. 0.00 min

Lab File: VU031156.D

Acq: 13 Apr 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

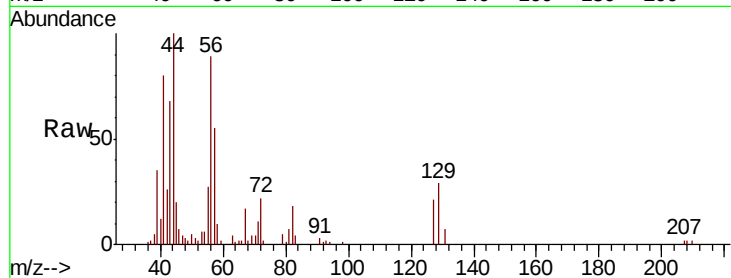
DB713

Tot Ion:129 Resp: 5417

Ion Ratio Lower Upper

129 100

127 73.7 54.5 101.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

