

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 22:54:15 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

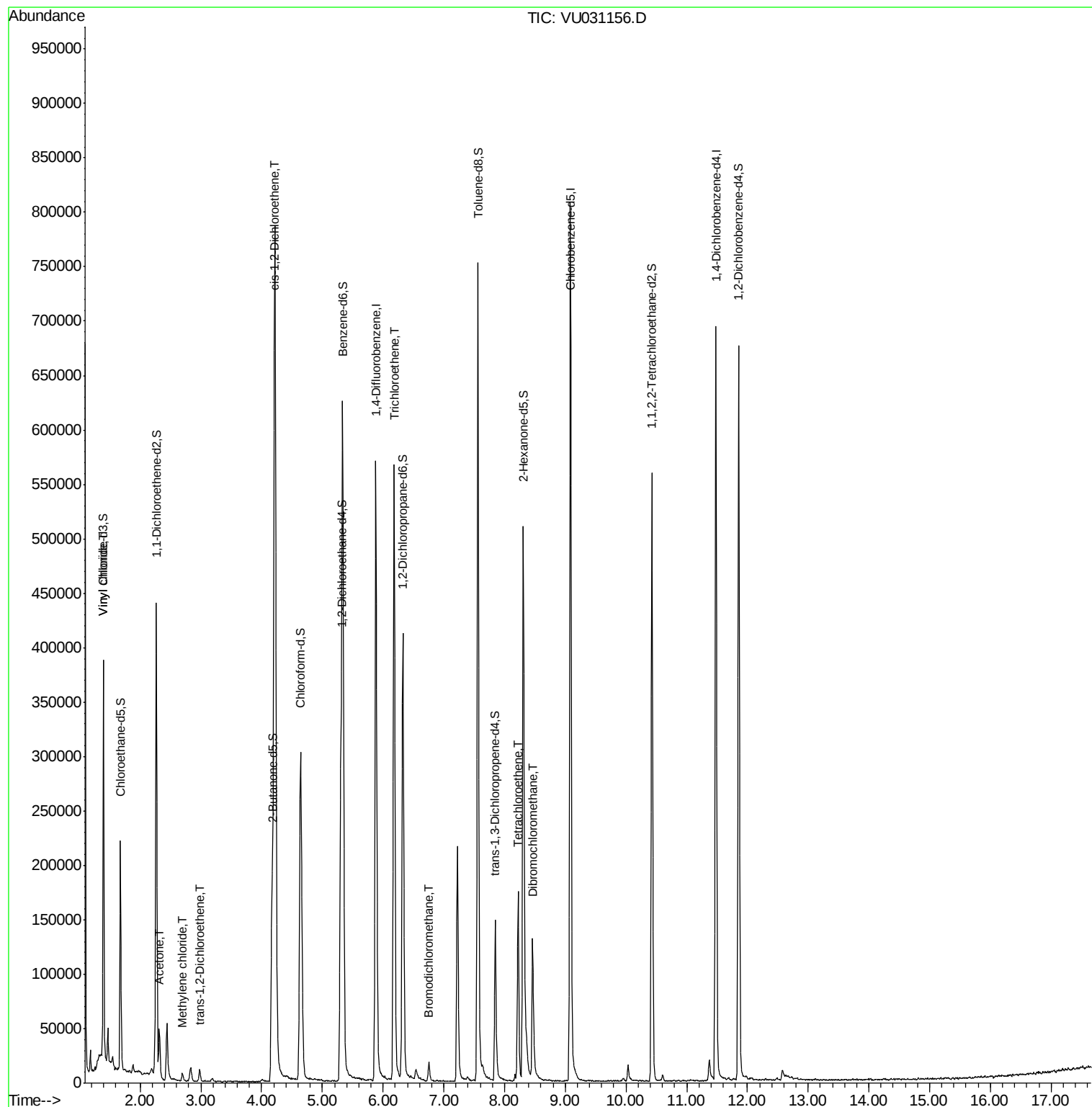
					Ovalue
5) Vinyl chloride	1.40	62	60440	11.721 ug/L #	60
13) Acetone	2.32	43	44950	13.243 ug/L	100
16) Methylene chloride	2.69	84	2708	0.688 ug/L #	61
17) trans-1,2-Dichloroethene	2.98	96	3794	1.103 ug/L	97
20) cis-1,2-Dichloroethene	4.22	96	428600	112.806 ug/L	93
34) Trichloroethene	6.18	95	203622	54.479 ug/L	95
38) Bromodichloromethane	6.76	83	12648	2.430 ug/L	87
46) Tetrachloroethene	8.22	164	40168	14.782 ug/L	98
49) Dibromochloromethane	8.48	129	5417	1.395 ug/L	95

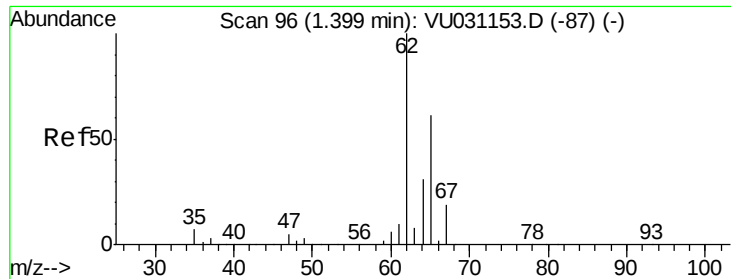
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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 :

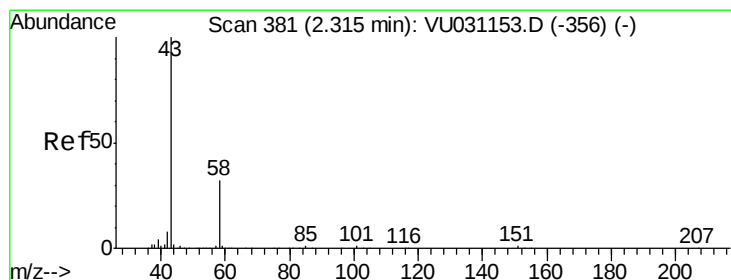
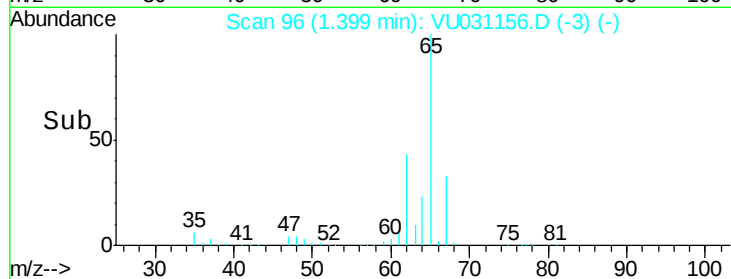
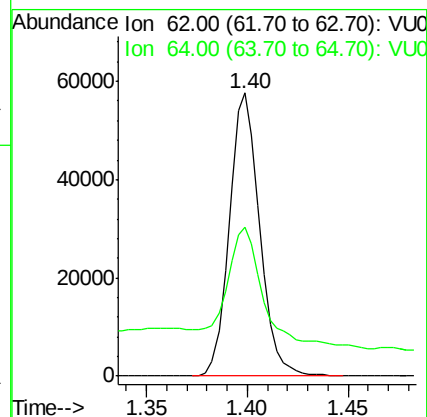
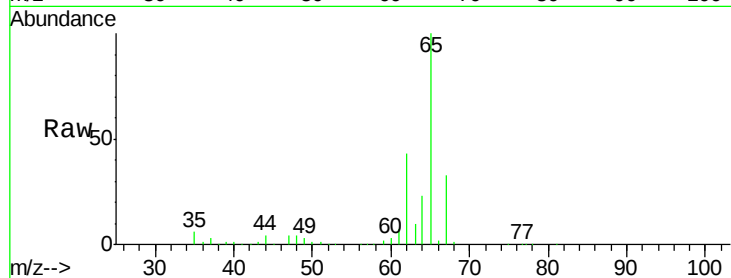
DB713

Tot Ion: 62 Resp: 60440

Ion Ratio Lower Upper

62 100

64 52.9 21.5 39.9#



#13

Acetone

Concen: 13.243 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU031156.D

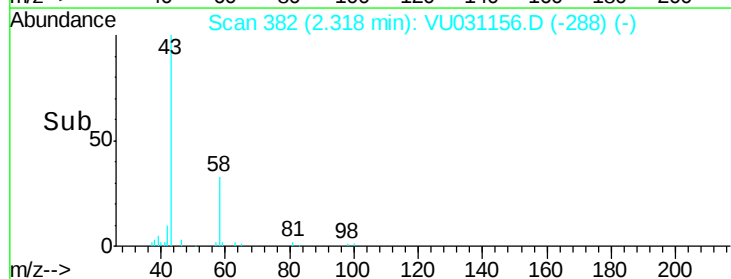
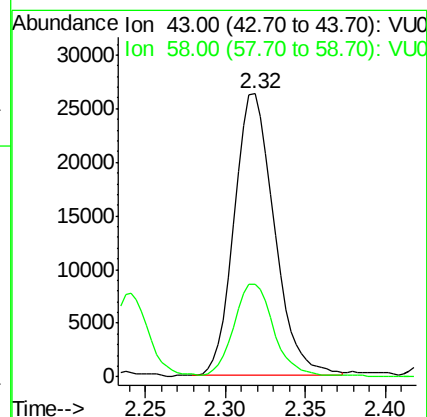
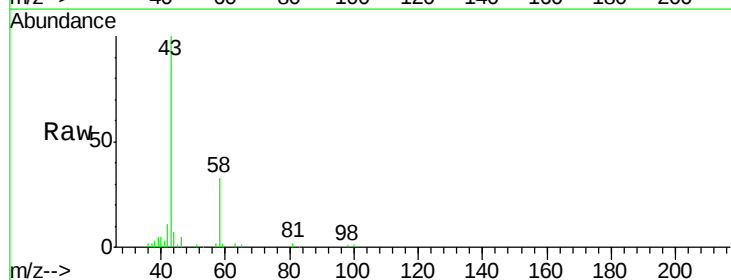
Acq: 13 Apr 2019 15:07

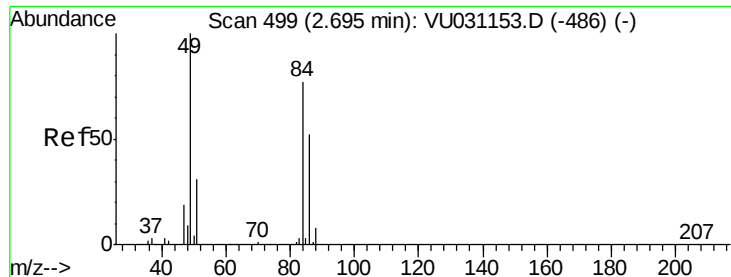
Tgt Ion: 43 Resp: 44950

Ion Ratio Lower Upper

43 100

58 31.7 0.0 64.0

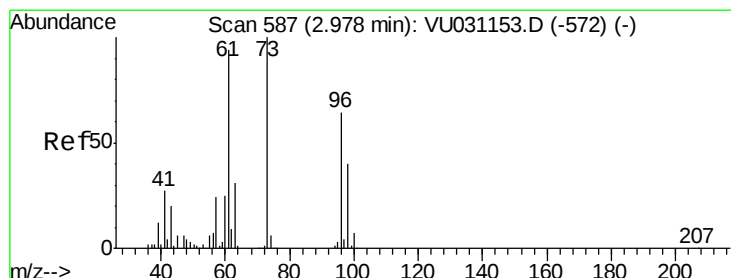
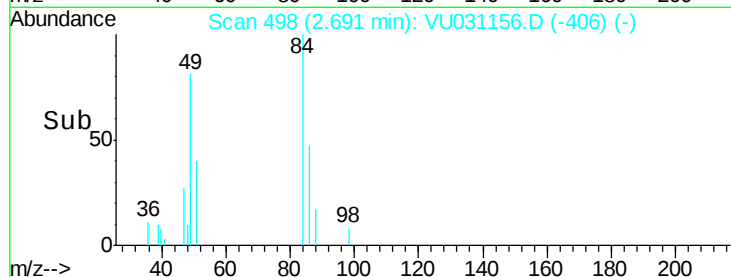
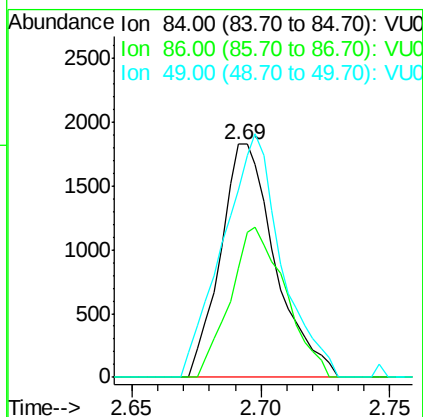
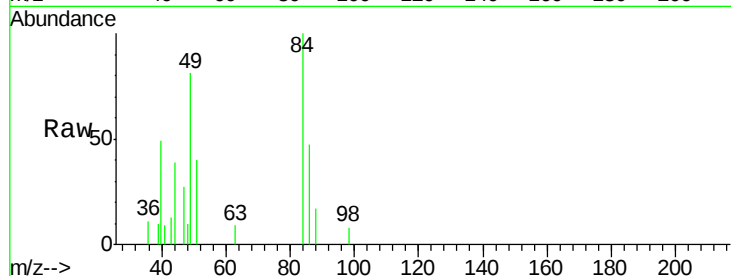




#16
Methylene chloride
Concen: 0.688 ug/L
RT: 2.69 min Scan# 498
Delta R.T. -0.00 min
Lab File: VU031156.D
Acq: 13 Apr 2019 15:07

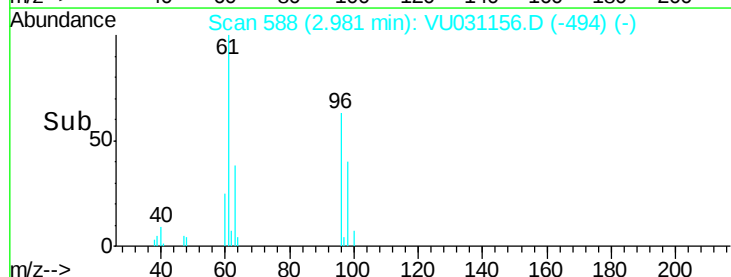
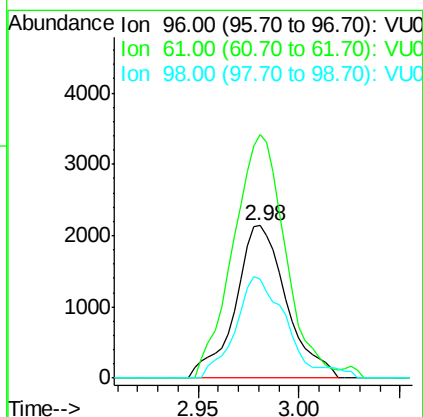
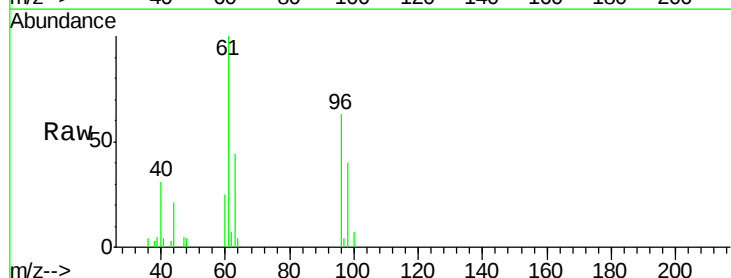
Instrument :
MSVOA_U
ClientSampled :
DB713

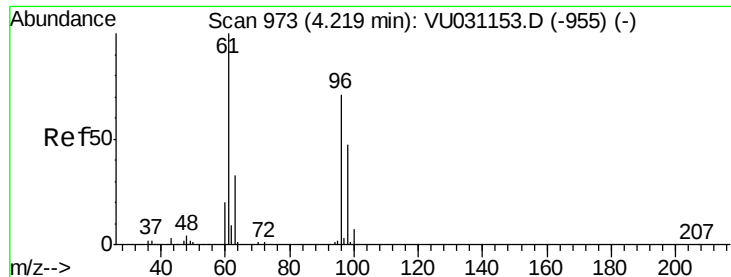
Tot Ion: 84 Resp: 2708
Ion Ratio Lower Upper
84 100
86 47.0 45.1 83.7
49 80.5 96.5 179.1#



#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

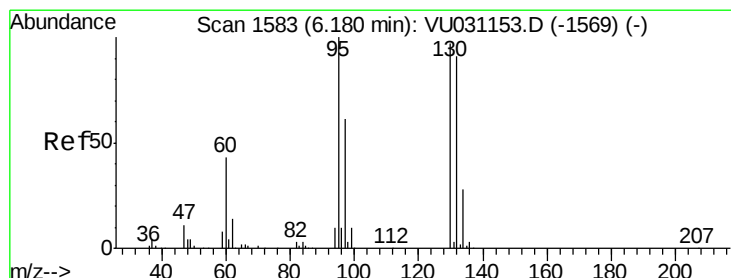
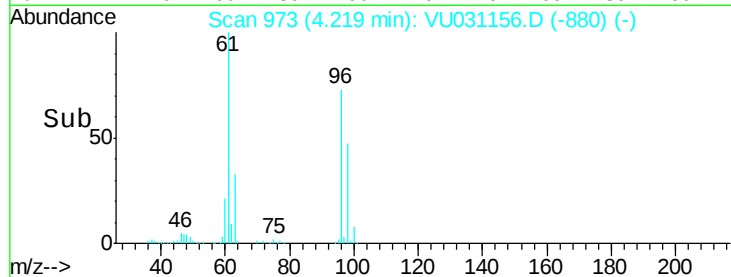
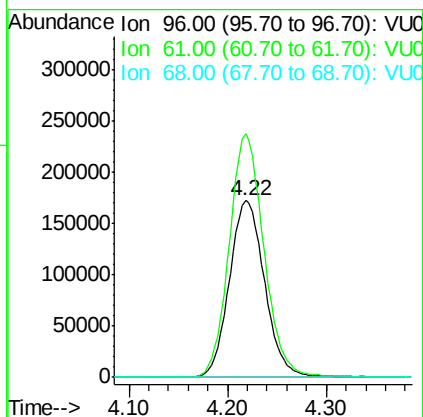
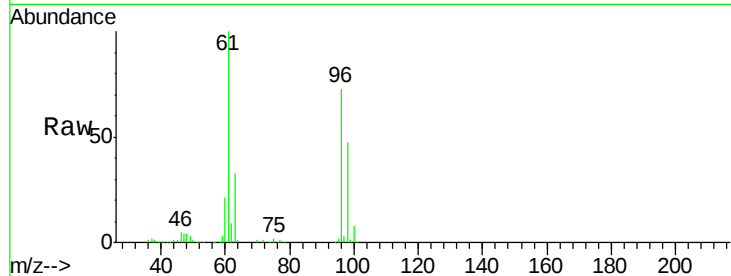




#20
 cis-1,2-Dichloroethene
 Concen: 112.806 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU031156.D
 Acq: 13 Apr 2019 15:07

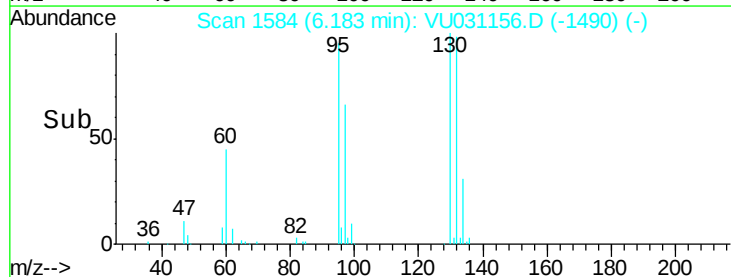
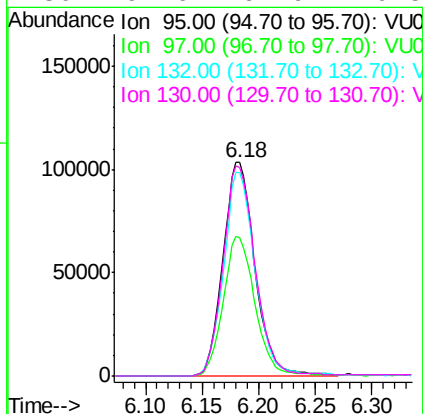
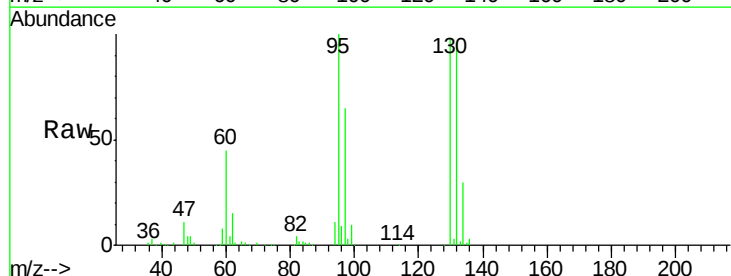
Instrument :
 MSVOA_U
 ClientSampled :
 DB713

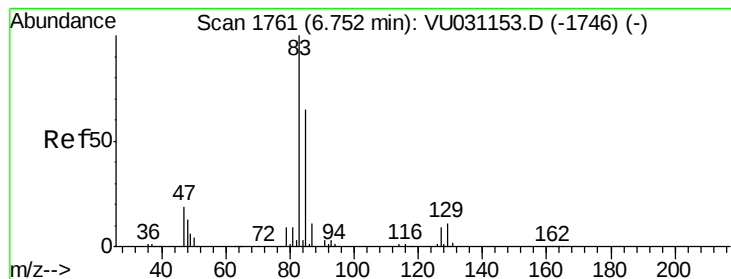
Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	137.7	102.9	191.1	
68	0.0	0.0	0.0	



#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

Tgt Ion	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	





#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

Instrument :

MSVOA_U

ClientSampleId :

DB713

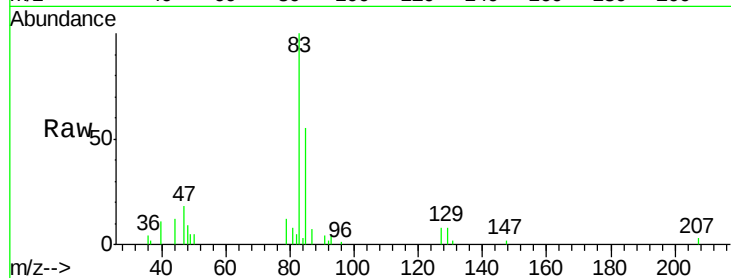
Tot Ion: 83 Resp: 12648

Ion Ratio Lower Upper

83 100

85 55.0 46.5 86.3

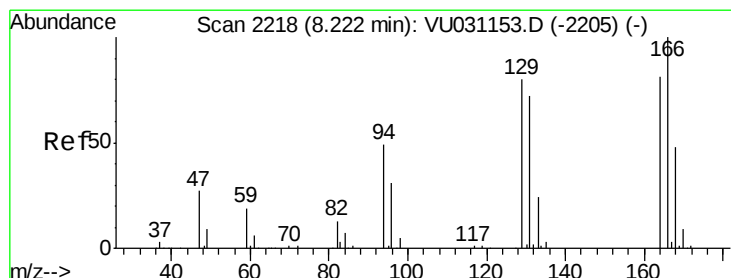
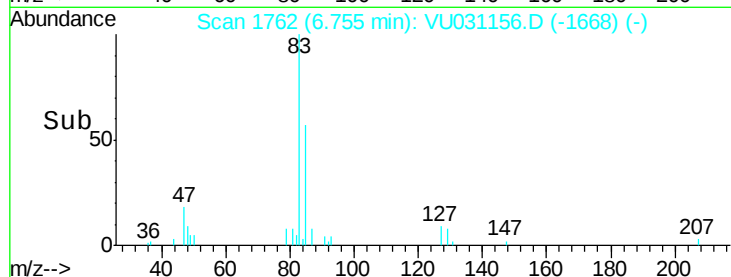
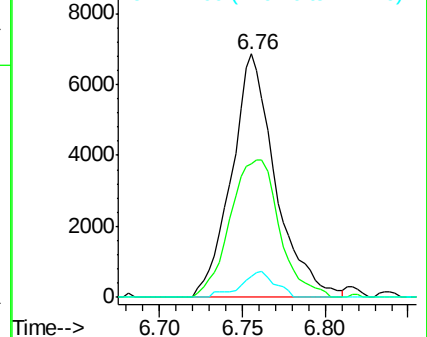
127 8.5 6.6 10.0



Abundance Ion 83.00 (82.70 to 83.70): VU031153.D (-1746) (-)

Ion 85.00 (84.70 to 85.70): VU031153.D (-1746) (-)

Ion 127.00 (126.70 to 127.70): VU031153.D (-1746) (-)



#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

Tgt Ion: 164 Resp: 40168

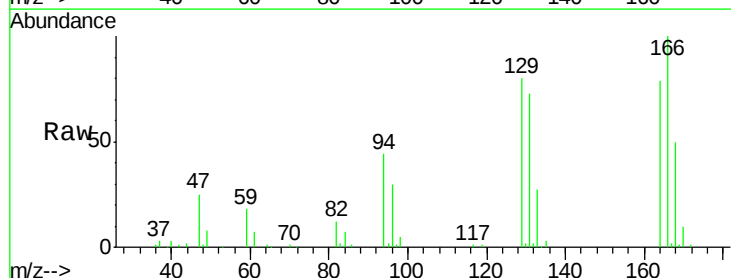
Ion Ratio Lower Upper

164 100

129 101.7 67.4 125.2

131 92.7 65.9 122.5

166 126.9 88.6 164.6

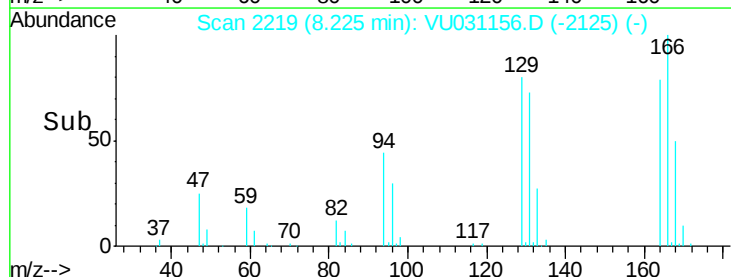
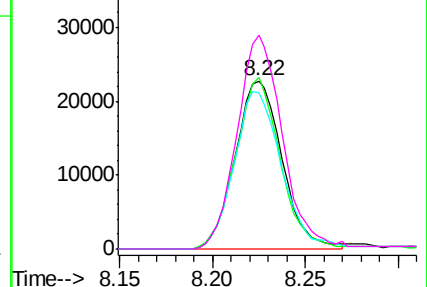


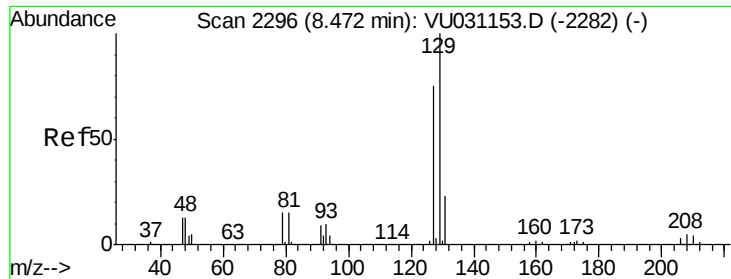
Abundance Ion 164.00 (163.70 to 164.70): VU031153.D (-2205) (-)

Ion 129.00 (128.70 to 129.70): VU031153.D (-2205) (-)

Ion 131.00 (130.70 to 131.70): VU031153.D (-2205) (-)

Ion 166.00 (165.70 to 166.70): VU031153.D (-2205) (-)





#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 :

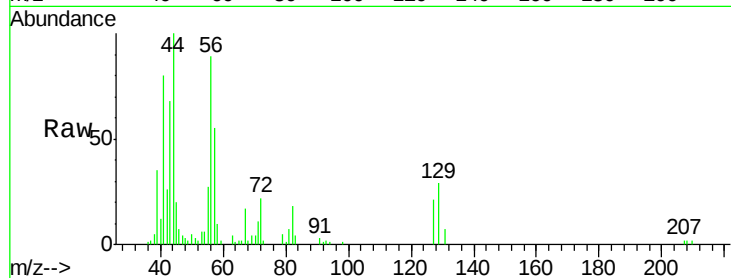
DB713

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

