

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
 Data File : VU031102.D
 Acq On : 12 Apr 2019 04:26
 Operator : JC/SP
 Sample : K2299-31
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 94 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB713

Quant Time: Apr 12 07:30:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 12 07:24:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	524572	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	524282	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	227449	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	166364	35.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.06%
7) Chloroethane-d5	1.68	69	140197	39.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.90%
11) 1,1-Dichloroethene-d2	2.27	63	240064	28.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.68%#
21) 2-Butanone-d5	4.17	46	338414	91.18	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.18%
24) Chloroform-d	4.64	84	314490	43.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.92%
26) 1,2-Dichloroethane-d4	5.30	65	217842	44.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.26%
32) Benzene-d6	5.33	84	614999	40.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.36%
36) 1,2-Dichloropropane-d6	6.32	67	220576	42.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.10%
41) Toluene-d8	7.56	98	534275	39.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.76%#
43) trans-1,3-Dichloropropene-	7.85	79	90595	37.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.76%
47) 2-Hexanone-d5	8.31	63	199109	83.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.06%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	315968	44.66	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.32%
64) 1,2-Dichlorobenzene-d4	11.85	152	207536	46.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.80%

Target Compounds

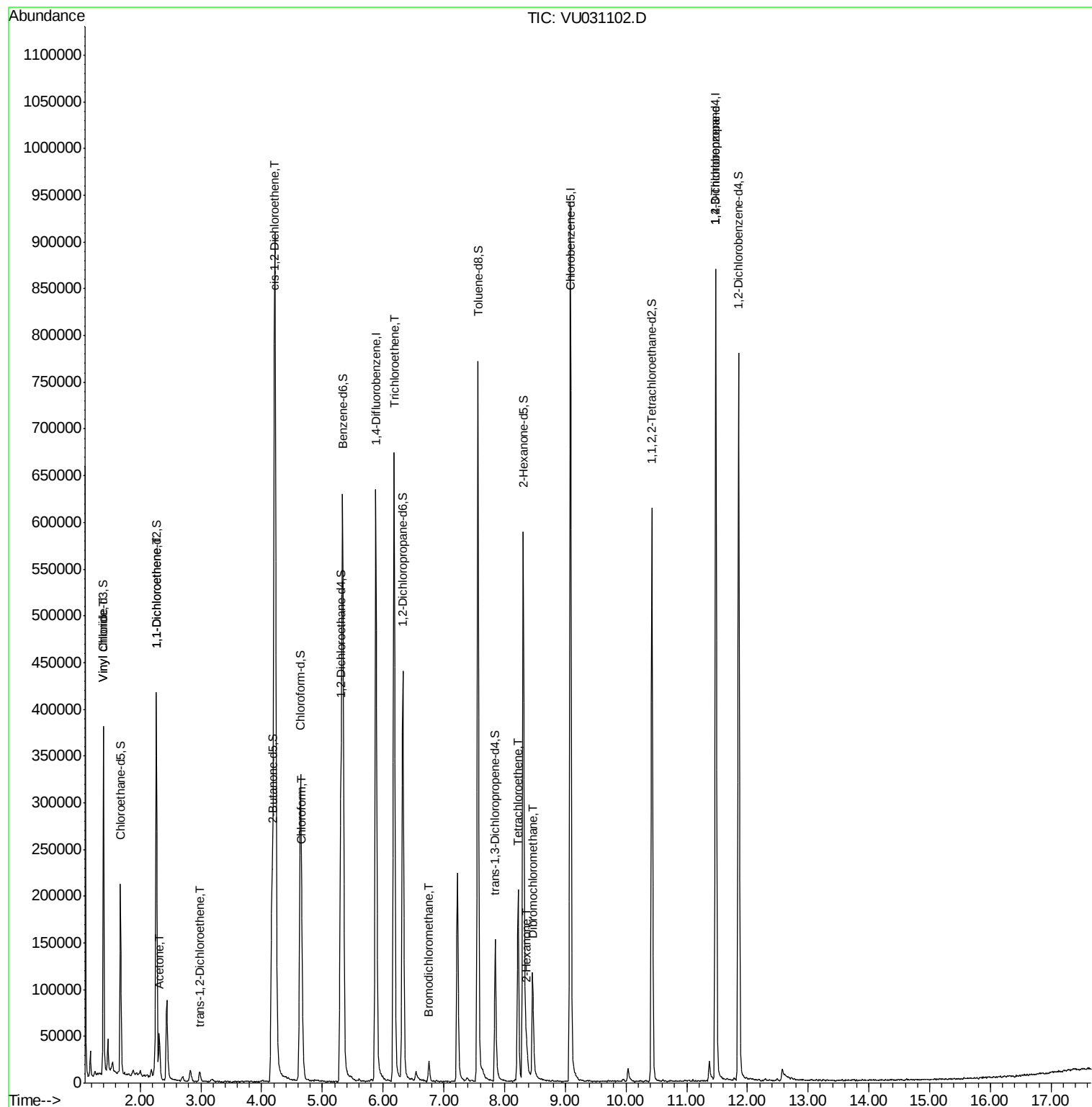
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	85226	14.772	ug/L	90
12) 1,1-Dichloroethene	2.27	96	2433	0.671	ug/L #	1
13) Acetone	2.32	43	49350	12.995	ug/L	97
17) trans-1,2-Dichloroethene	2.97	96	1886	0.490	ug/L	92
20) cis-1,2-Dichloroethene	4.22	96	497444	117.013	ug/L	92
25) Chloroform	4.67	83	50158	6.281	ug/L	96
34) Trichloroethene	6.18	95	241193	57.318	ug/L	96
38) Bromodichloromethane	6.76	83	14600	2.491	ug/L	89
46) Tetrachloroethene	8.22	164	46629	15.242	ug/L	94
48) 2-Hexanone	8.36	43	15643	2.567	ug/L #	87
49) Dibromochloromethane	8.48	129	5435	1.243	ug/L	99
59) 1,2,3-Trichloropropane	11.48	75	26824	4.610	ug/L	92

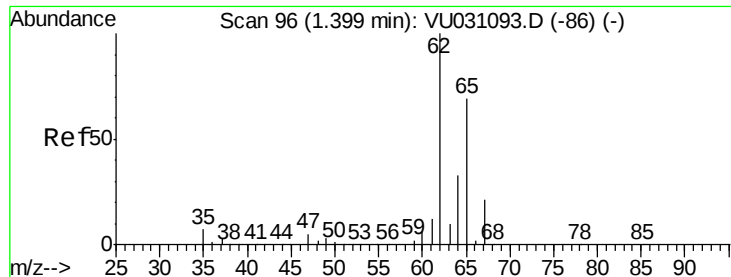
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 14.772 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031102.D

Acq: 12 Apr 2019 04:26

Instrument :

MSVOA_U

ClientSampleId :

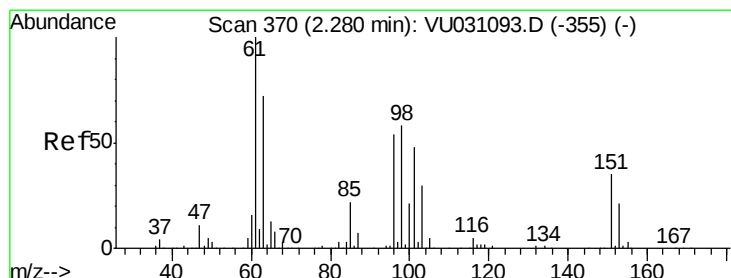
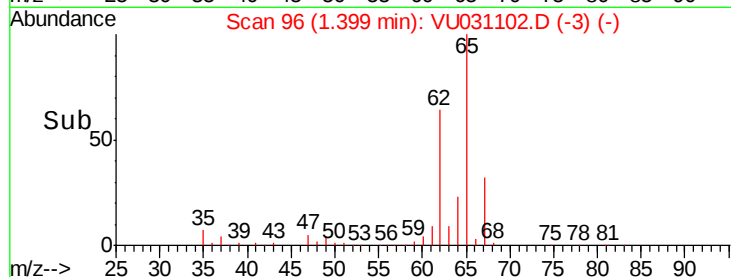
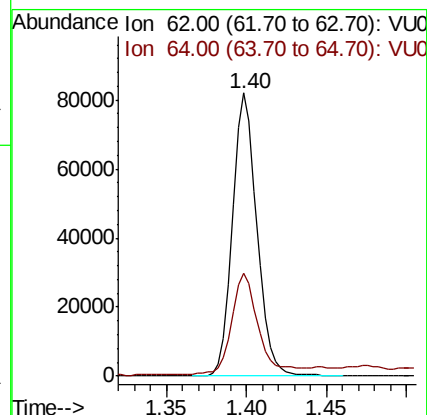
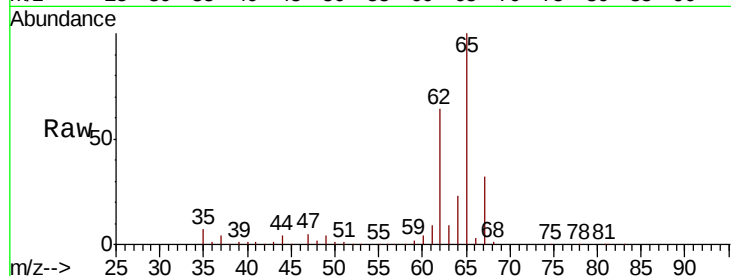
DB713

Tot Ion: 62 Resp: 85226

Ion Ratio Lower Upper

62 100

64 36.4 21.5 39.9



#12

1,1-Dichloroethene

Concen: 0.671 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU031102.D

Acq: 12 Apr 2019 04:26

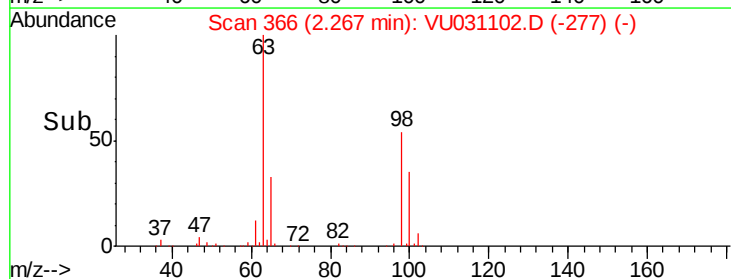
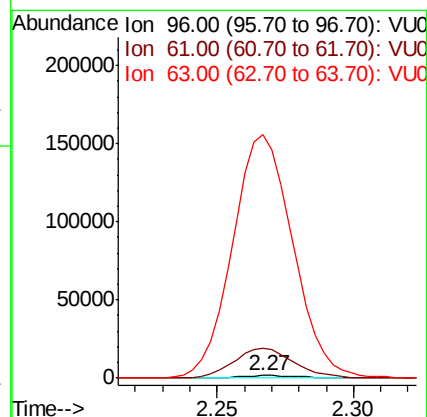
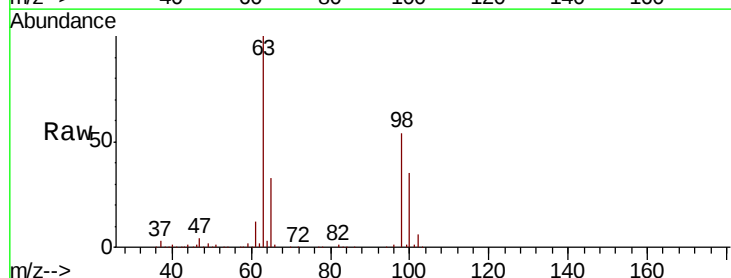
Tgt Ion: 96 Resp: 2433

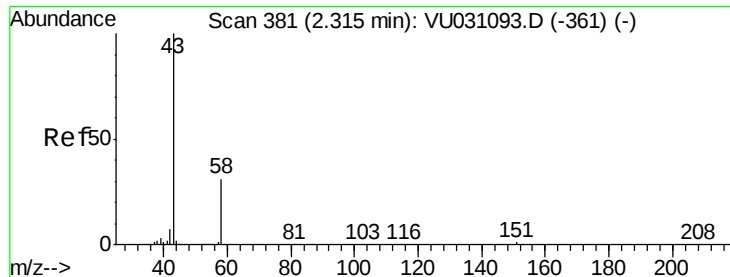
Ion Ratio Lower Upper

96 100

61 1258.7 132.0 245.2#

63 10208.1 90.9 168.9#





#13

Acetone

Concen: 12.995 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU031102.D

Acq: 12 Apr 2019 04:26

Instrument :

MSVOA_U

ClientSampleId :

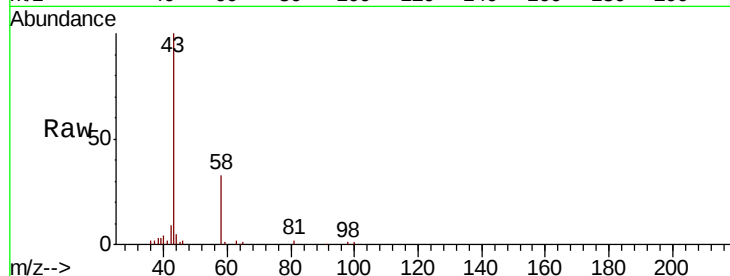
DB713

Tot Ion: 43 Resp: 49350

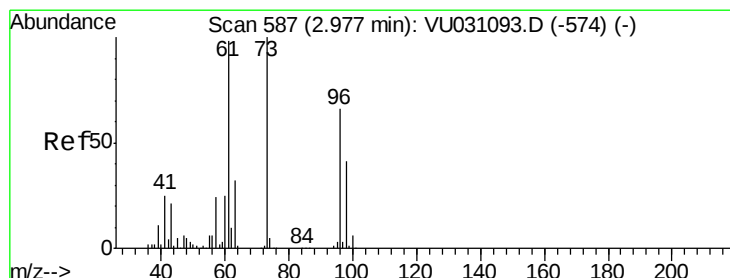
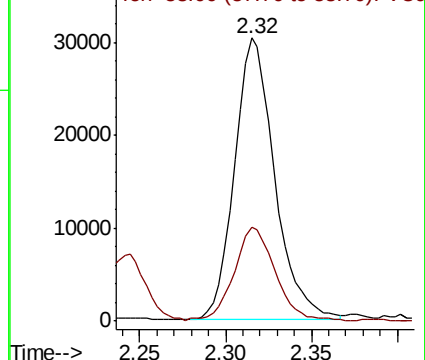
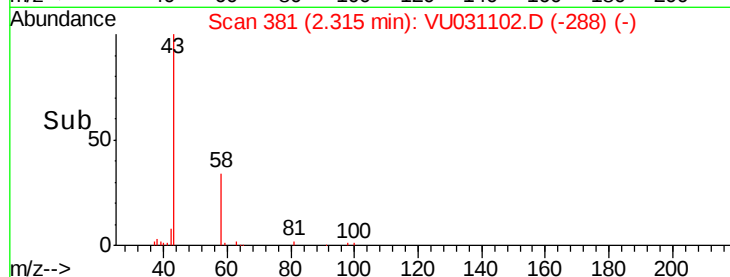
Ion Ratio Lower Upper

43 100

58 33.9 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU031102.D (-288) (-)



#17

trans-1,2-Dichloroethene

Concen: 0.490 ug/L

RT: 2.97 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU031102.D

Acq: 12 Apr 2019 04:26

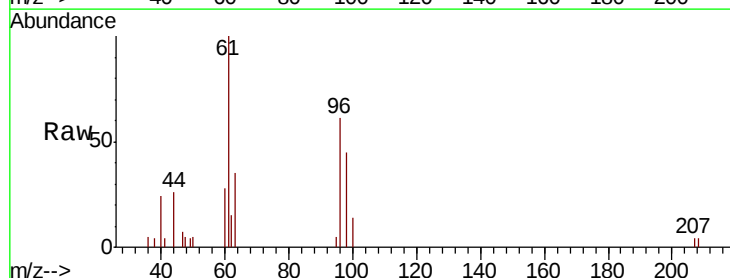
Tgt Ion: 96 Resp: 1886

Ion Ratio Lower Upper

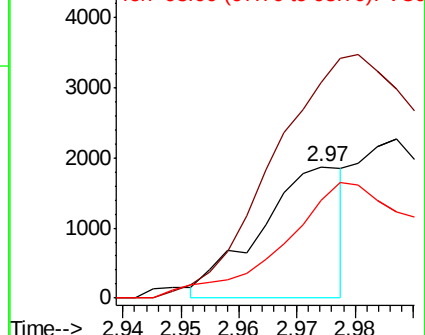
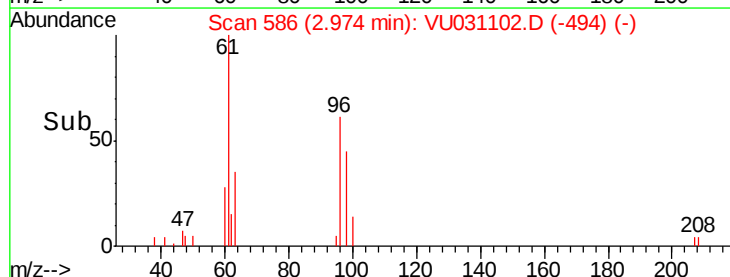
96 100

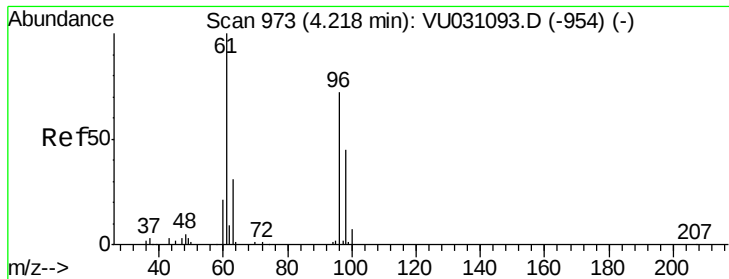
61 163.4 109.5 203.3

98 74.2 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU031102.D (-494) (-)

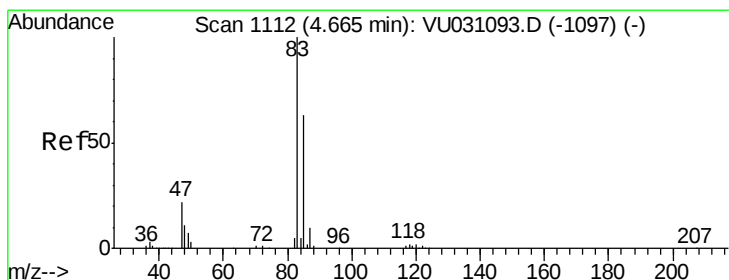
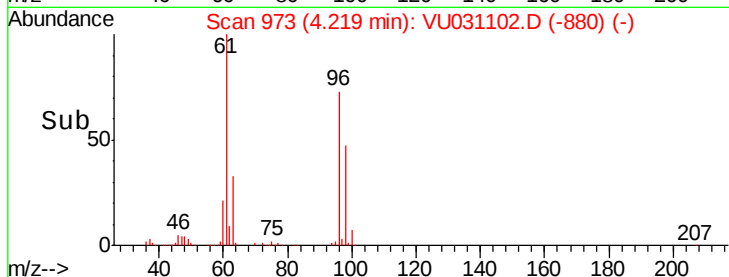
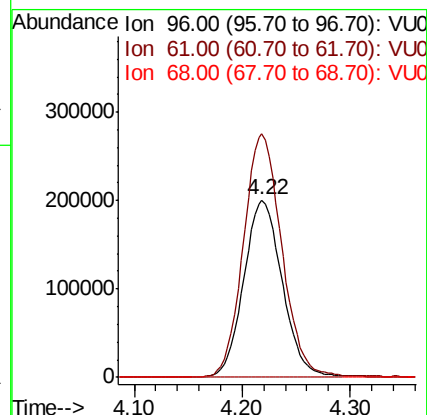
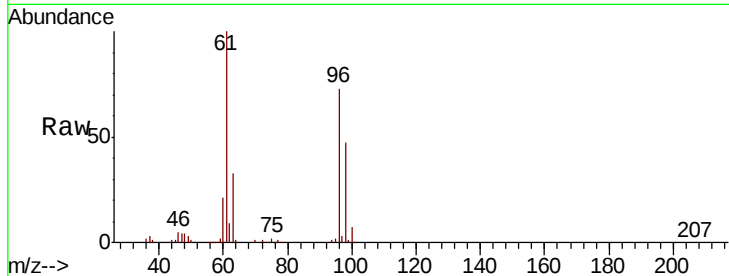




#20
 cis-1,2-Dichloroethene
 Concen: 117.013 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU031102.D
 Acq: 12 Apr 2019 04:26

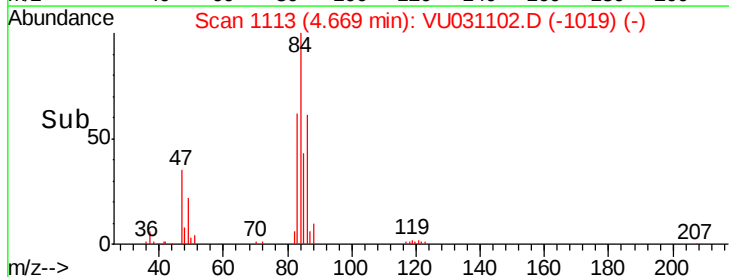
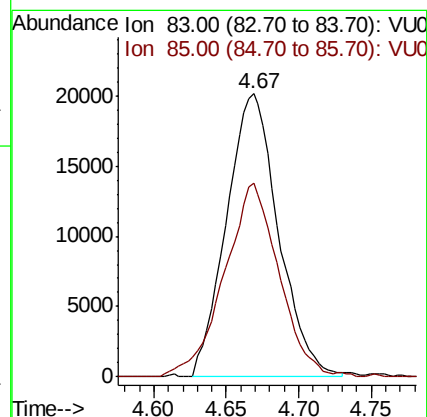
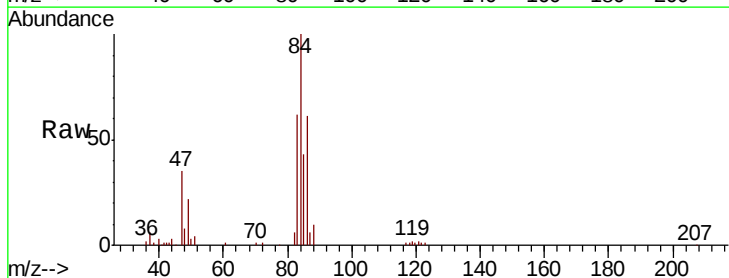
Instrument :
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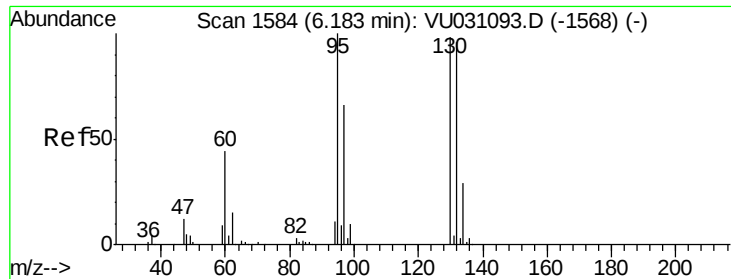
Tot Ion: 96 Resp: 497444
 Ion Ratio Lower Upper
 96 100
 61 137.2 102.9 191.1
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 6.281 ug/L
 RT: 4.67 min Scan# 1113
 Delta R.T. 0.00 min
 Lab File: VU031102.D
 Acq: 12 Apr 2019 04:26

Tgt Ion: 83 Resp: 50158
 Ion Ratio Lower Upper
 83 100
 85 68.4 45.8 85.0





#34

Trichloroethene

Concen: 57.318 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU031102.D

Acq: 12 Apr 2019 04:26

Instrument :

MSVOA_U

ClientSampleId :

DB713

Tot Ion: 95 Resp: 241193

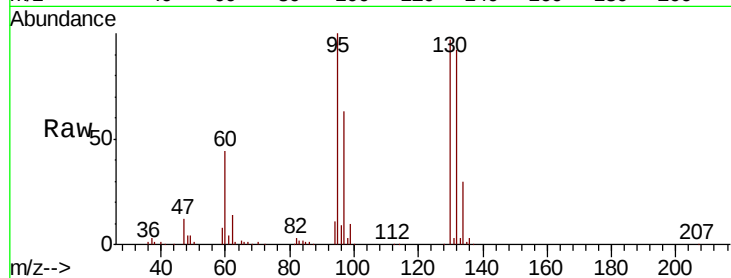
Ion Ratio Lower Upper

95 100

97 62.7 44.5 82.7

132 92.5 61.5 114.1

130 97.0 64.9 120.5



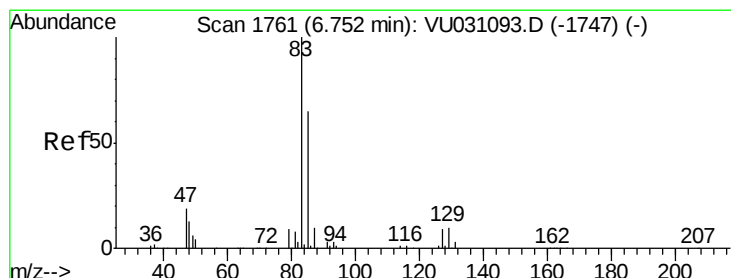
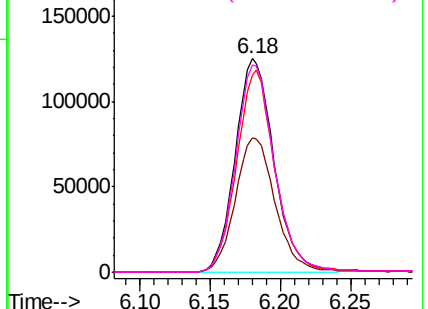
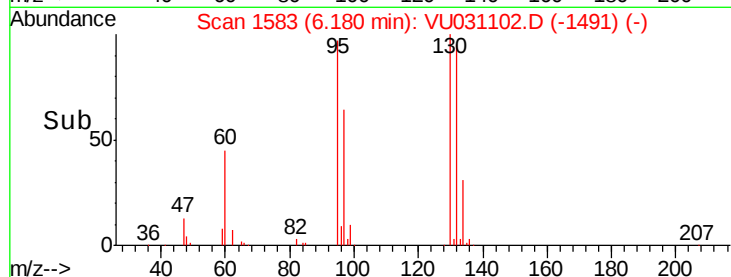
Abundance

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: 2.491 ug/L

RT: 6.76 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VU031102.D

Acq: 12 Apr 2019 04:26

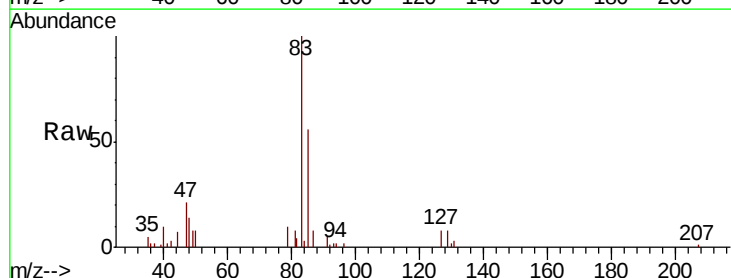
Tgt Ion: 83 Resp: 14600

Ion Ratio Lower Upper

83 100

85 56.4 46.5 86.3

127 8.2 6.6 10.0

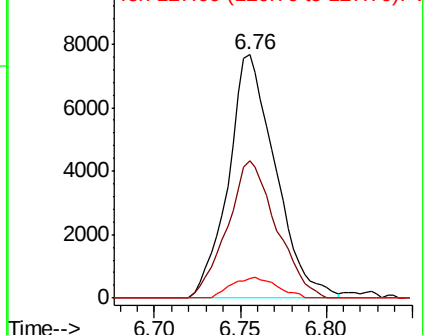
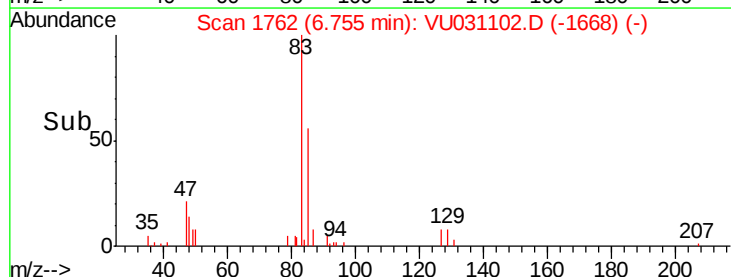


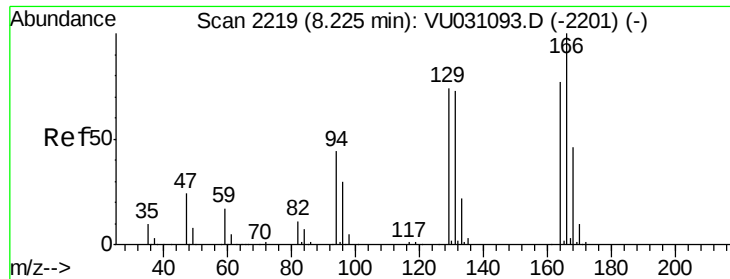
Abundance

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

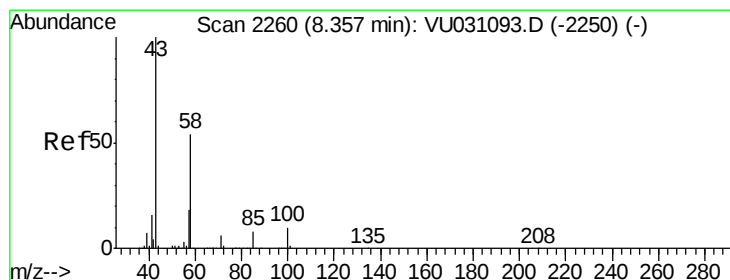
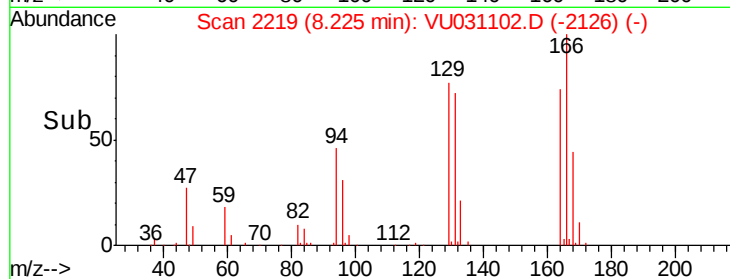
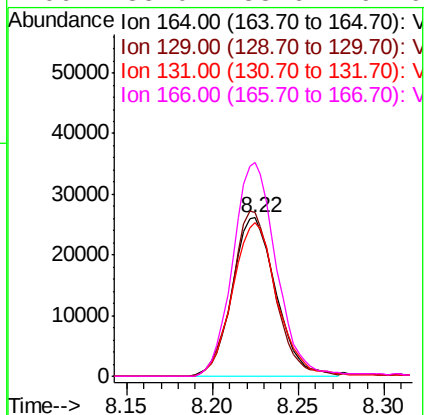
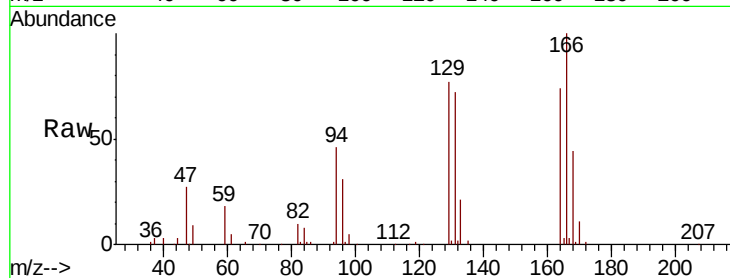




#46
Tetrachloroethene
Concen: 15.242 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU031102.D
Acq: 12 Apr 2019 04:26

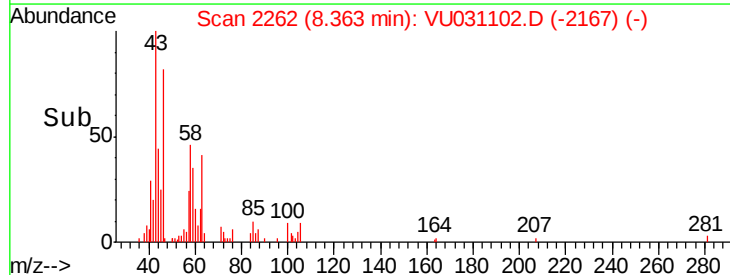
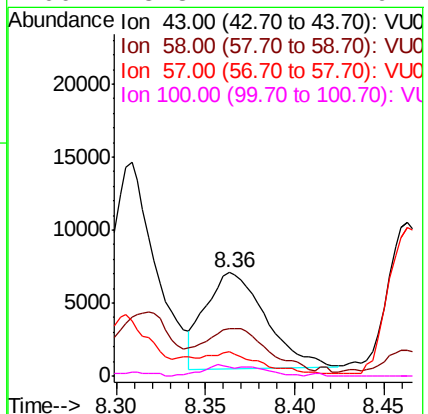
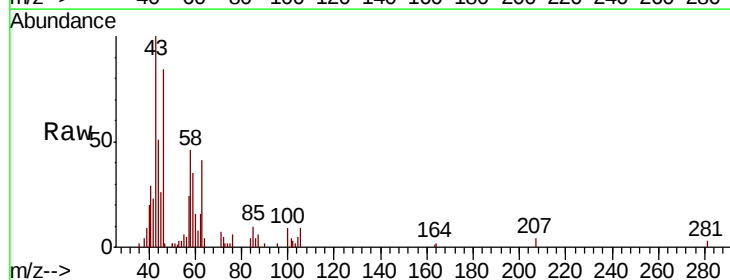
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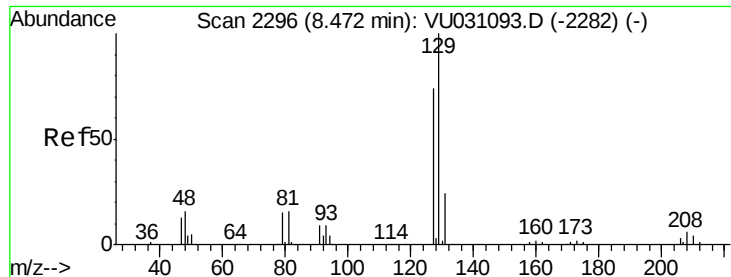
Tot Ion:164 Resp: 46629
Ion Ratio Lower Upper
164 100
129 103.7 67.4 125.2
131 96.9 65.9 122.5
166 135.0 88.6 164.6



#48
2-Hexanone
Concen: 2.567 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.01 min
Lab File: VU031102.D
Acq: 12 Apr 2019 04:26

Tgt Ion: 43 Resp: 15643
Ion Ratio Lower Upper
43 100
58 42.2 41.9 62.9
57 13.1 14.3 21.5#
100 5.8 7.1 10.7#





#49

Dibromochloromethane

Concen: 1.243 ug/L

RT: 8.48 min Scan# 2298

Delta R.T. 0.01 min

Lab File: VU031102.D

Acq: 12 Apr 2019 04:26

Instrument :

MSVOA_U

ClientSampleId :

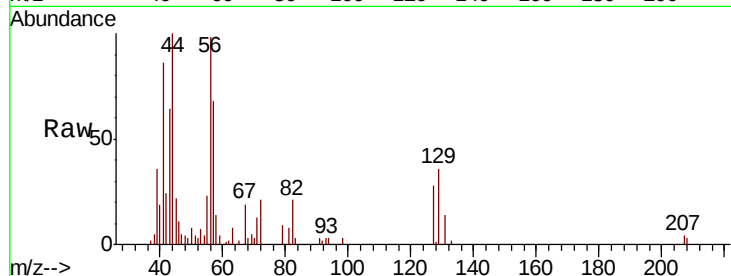
DB713

Tot Ion:129 Resp: 5435

Ion Ratio Lower Upper

129 100

127 76.7 54.5 101.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.48

2500

2000

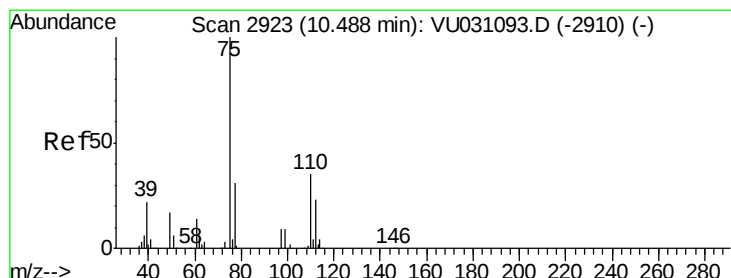
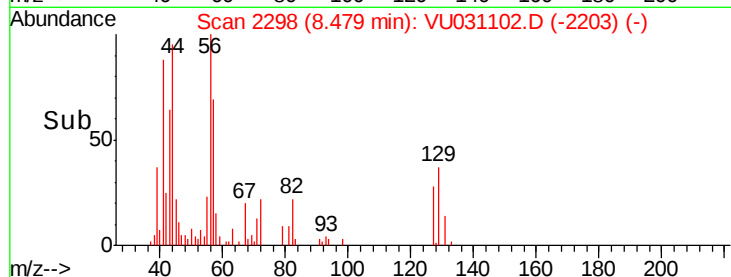
1500

1000

500

0

Time--> 8.40 8.45 8.50



#59

1,2,3-Trichloropropane

Concen: 4.610 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU031102.D

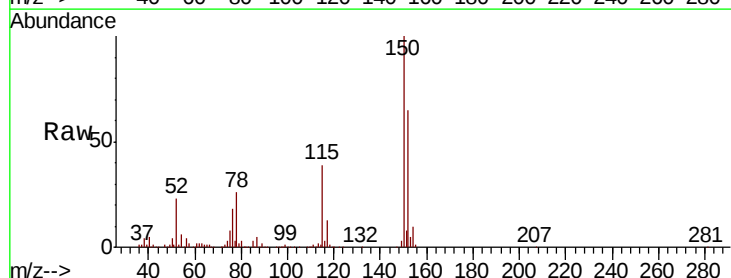
Acq: 12 Apr 2019 04:26

Tgt Ion: 75 Resp: 26824

Ion Ratio Lower Upper

75 100

77 37.2 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.48

15000

10000

5000

0

Time--> 11.45 11.50 11.55

