

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051419\
 Data File : VU032008.D
 Acq On : 14 May 2019 20:35
 Operator : JC/SP
 Sample : K2738-10
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB895

Quant Time: May 15 05:43:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM051419WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 15 04:26:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	1119601	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	1080184	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	415061	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	428598	43.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.24%
7) Chloroethane-d5	1.68	69	341744	42.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.92%
11) 1,1-Dichloroethene-d2	2.27	63	669301	38.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.02%
21) 2-Butanone-d5	4.17	46	612067	88.97	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.97%
24) Chloroform-d	4.64	84	699349	42.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.06%
26) 1,2-Dichloroethane-d4	5.30	65	457817	44.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.40%
32) Benzene-d6	5.34	84	1518783	48.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.14%
36) 1,2-Dichloropropane-d6	6.32	67	498634	48.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.66%
41) Toluene-d8	7.56	98	1315939	46.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.94%
43) trans-1,3-Dichloropropene-	7.85	79	205413	45.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.26%
47) 2-Hexanone-d5	8.31	63	391733	93.62	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.62%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	682490	44.69	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.38%
64) 1,2-Dichlorobenzene-d4	11.85	152	437705	50.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.24%

Target Compounds

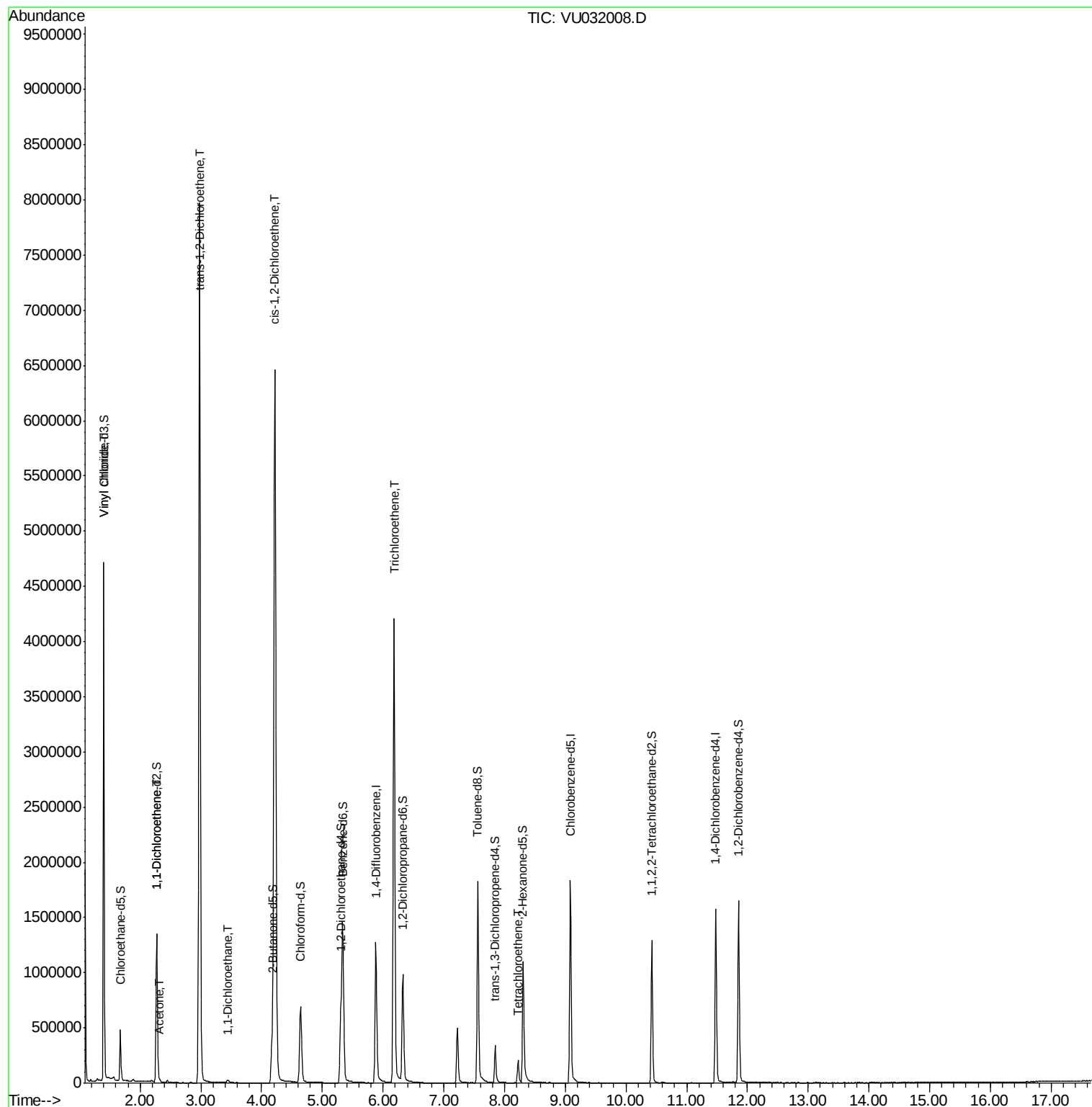
					Ovalue
5) Vinyl chloride	1.40	62	2601511	215.731	ug/L 98
12) 1,1-Dichloroethene	2.28	96	194915	23.573	ug/L # 64
13) Acetone	2.32	43	17113	2.420	ug/L 95
17) trans-1,2-Dichloroethene	2.98	96	3127507	363.585	ug/L 99
19) 1,1-Dichloroethane	3.44	63	27411	1.623	ug/L 97
20) cis-1,2-Dichloroethene	4.22	96	3661009	384.778	ug/L 100
34) Trichloroethene	6.18	95	1561091	178.156	ug/L 99
46) Tetrachloroethene	8.22	164	46706	7.550	ug/L 96

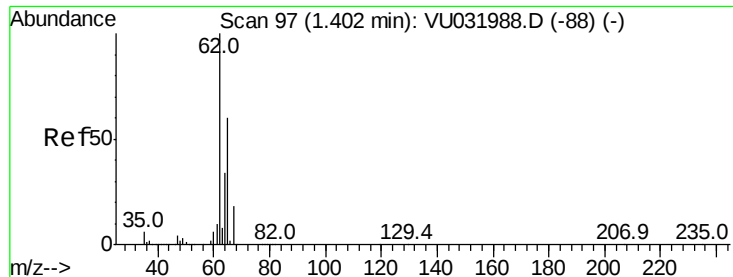
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 215.731 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU032008.D

Acq: 14 May 2019 20:35

Instrument :

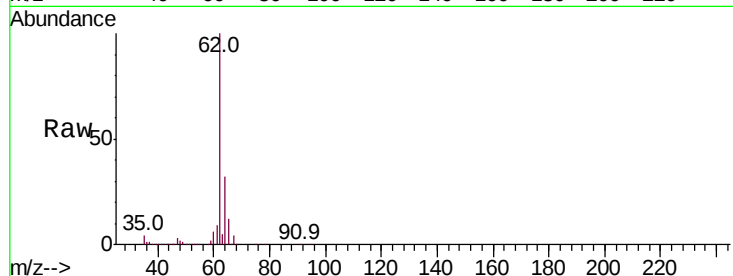
MSVOA_U

ClientSampleId :

DB895

Tot Ion: 62 Resp: 2601511

Ion	Ratio	Lower	Upper
62	100		
64	32.3	23.6	43.8



Abundance Ion 62.00 (61.70 to 62.70): VU031988.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU031988.D (-88) (-)

1.40

2500000

2000000

1500000

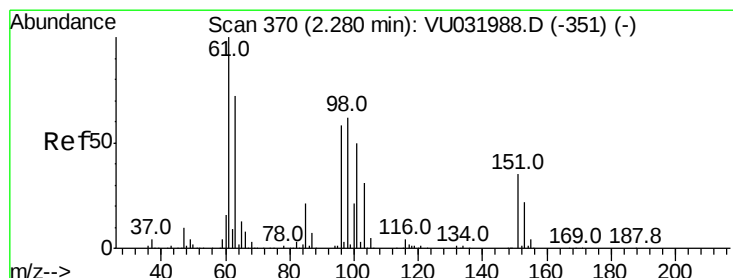
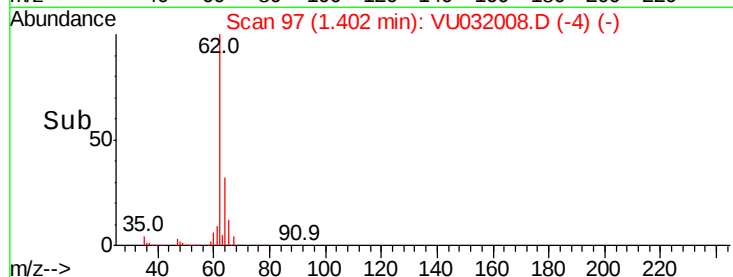
1000000

500000

0

Time-->

1.35 1.40 1.45 1.50



#12

1,1-Dichloroethene

Concen: 23.573 ug/L

RT: 2.28 min Scan# 370

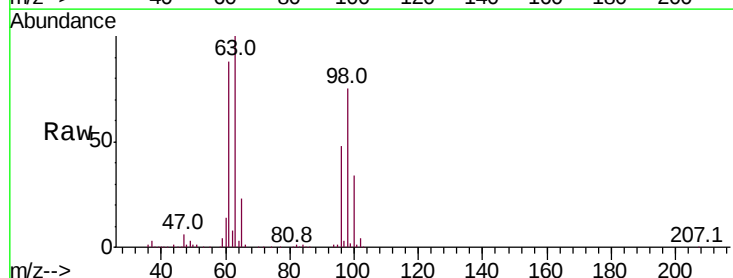
Delta R.T. -0.00 min

Lab File: VU032008.D

Acq: 14 May 2019 20:35

Tgt Ion: 96 Resp: 194915

Ion	Ratio	Lower	Upper
96	100		
61	182.2	120.9	224.5
63	206.9	84.4	156.8



Abundance Ion 96.00 (95.70 to 96.70): VU031988.D (-351) (-)

Ion 61.00 (60.70 to 61.70): VU031988.D (-351) (-)

Ion 63.00 (62.70 to 63.70): VU031988.D (-351) (-)

2.28

500000

400000

300000

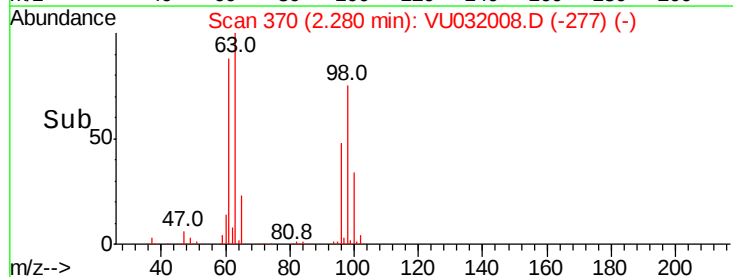
200000

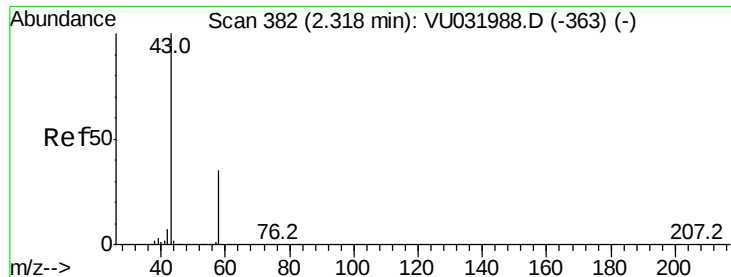
100000

0

Time-->

2.20 2.25 2.30 2.35





#13

Acetone

Concen: 2.420 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU032008.D

Acq: 14 May 2019 20:35

Instrument :

MSVOA_U

ClientSampleId :

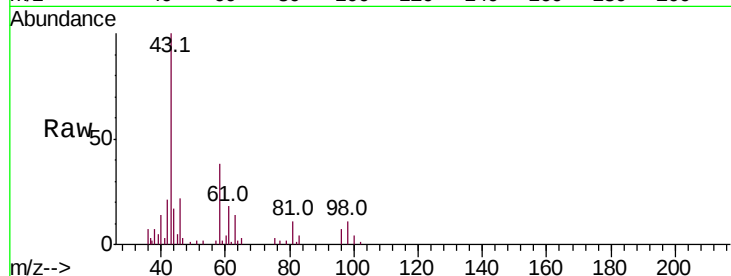
DB895

Tot Ion: 43 Resp: 17113

Ion Ratio Lower Upper

43 100

58 37.0 0.0 68.2



Abundance Ion 43.00 (42.70 to 43.70): VU031988.D (-363) (-)

Ion 58.00 (57.70 to 58.70): VU031988.D (-363) (-)

12000

10000

8000

6000

4000

2000

0

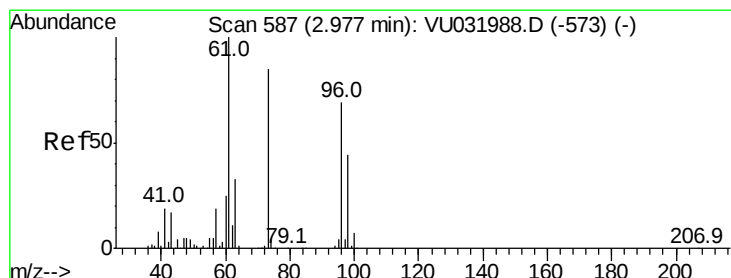
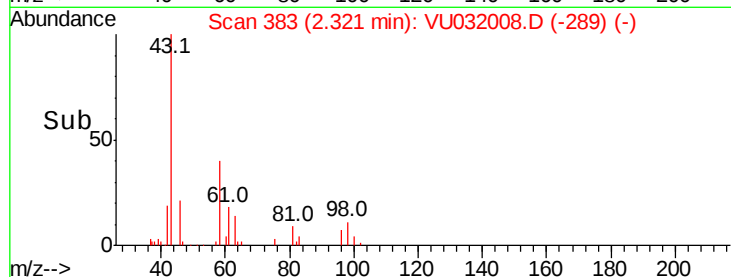
2.25

2.30

2.35

2.40

Time-->



#17

trans-1,2-Dichloroethene

Concen: 363.585 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU032008.D

Acq: 14 May 2019 20:35

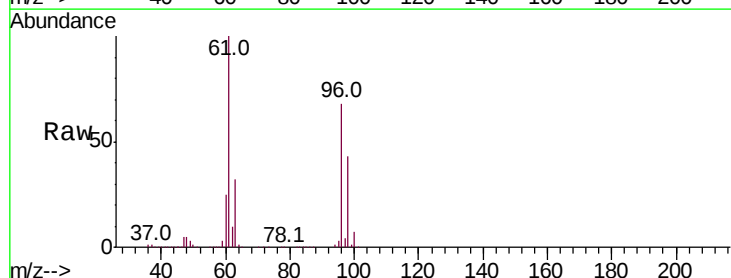
Tgt Ion: 96 Resp: 3127507

Ion Ratio Lower Upper

96 100

61 147.2 103.2 191.6

98 63.6 45.7 84.9



Abundance Ion 96.00 (95.70 to 96.70): VU031988.D (-573) (-)

Ion 61.00 (60.70 to 61.70): VU031988.D (-573) (-)

Ion 98.00 (97.70 to 98.70): VU031988.D (-573) (-)

3000000

2000000

1000000

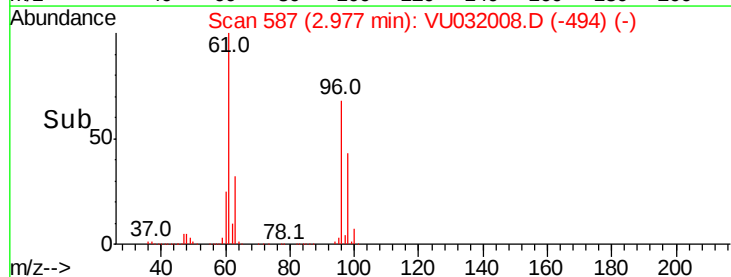
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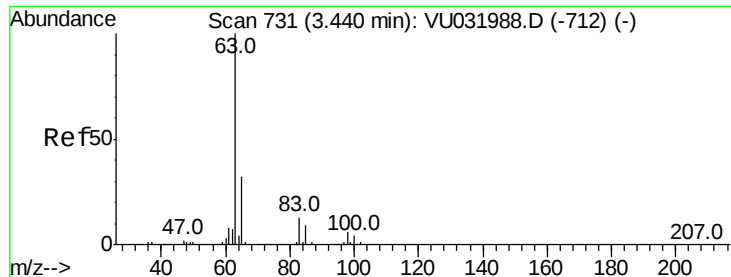
2.90

3.00

3.10

Time-->





#19

1,1-Dichloroethane

Concen: 1.623 ug/L

RT: 3.44 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU032008.D

Acq: 14 May 2019 20:35

Instrument :

MSVOA_U

ClientSampleId :

DB895

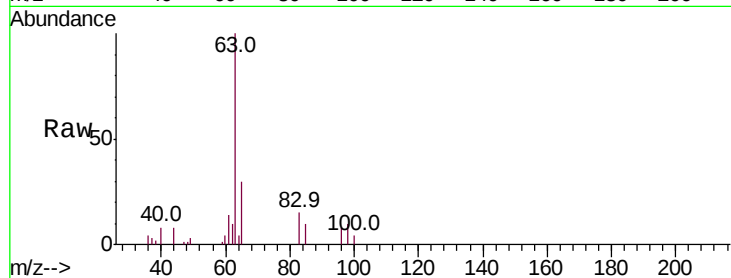
Tot Ion: 63 Resp: 27411

Ion Ratio Lower Upper

63 100

65 29.9 22.2 41.2

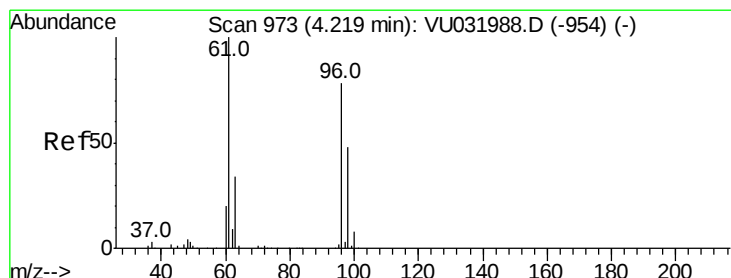
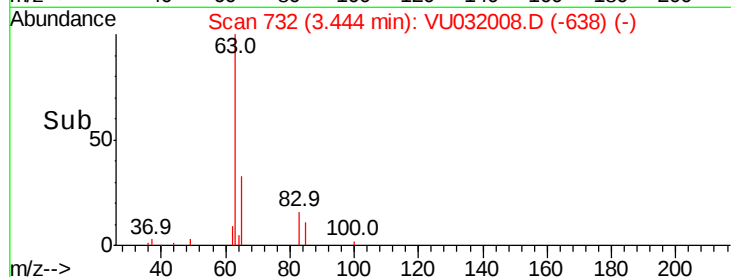
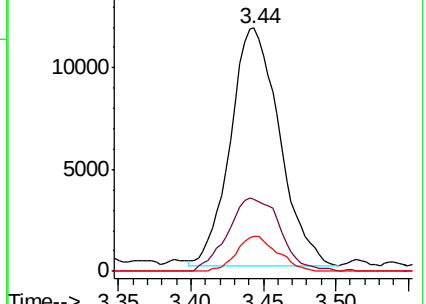
83 14.6 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VU031988.D (-712) (-)

Ion 65.00 (64.70 to 65.70): VU031988.D (-712) (-)

Ion 83.00 (82.70 to 83.70): VU031988.D (-712) (-)



#20

cis-1,2-Dichloroethene

Concen: 384.778 ug/L

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU032008.D

Acq: 14 May 2019 20:35

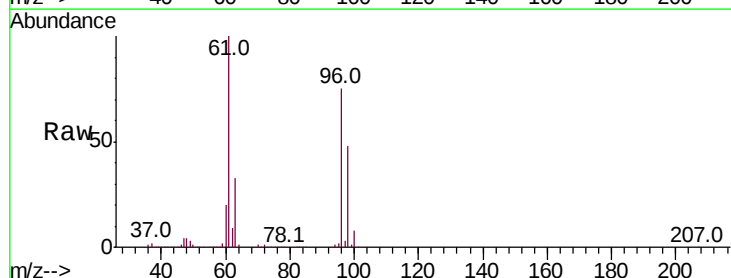
Tgt Ion: 96 Resp: 3661009

Ion Ratio Lower Upper

96 100

61 132.8 93.0 172.8

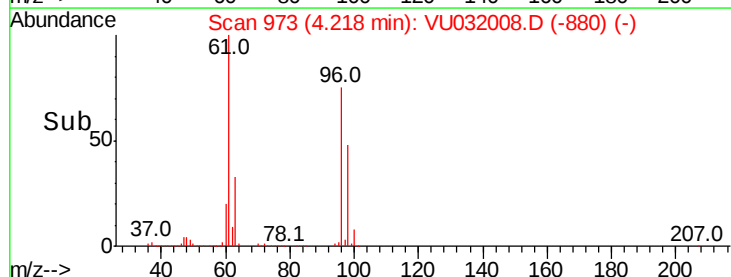
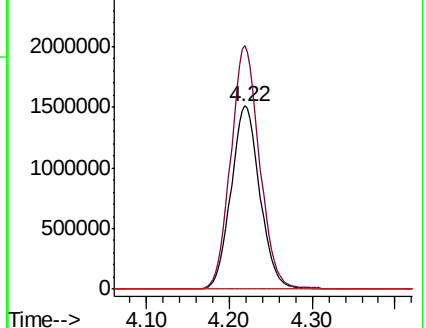
68 0.0 0.0 0.0

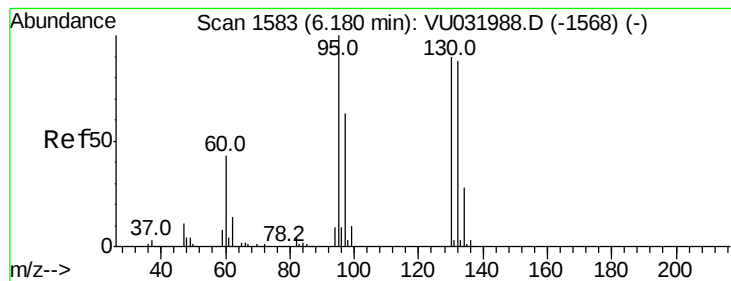


Abundance Ion 96.00 (95.70 to 96.70): VU031988.D (-954) (-)

Ion 61.00 (60.70 to 61.70): VU031988.D (-954) (-)

Ion 68.00 (67.70 to 68.70): VU031988.D (-954) (-)





#34

Trichloroethene

Concen: 178.156 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU032008.D

Acq: 14 May 2019 20:35

Instrument :

MSVOA_U

ClientSampleId :

DB895

Tot Ion: 95 Resp: 1561091

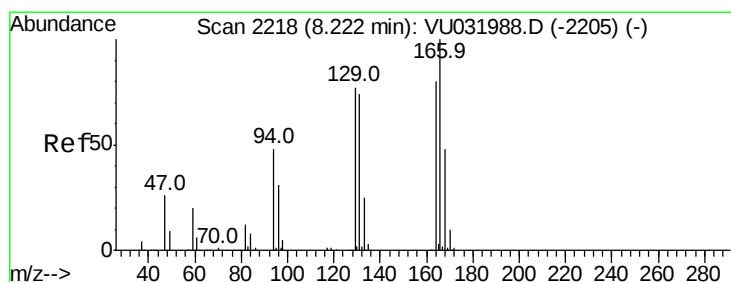
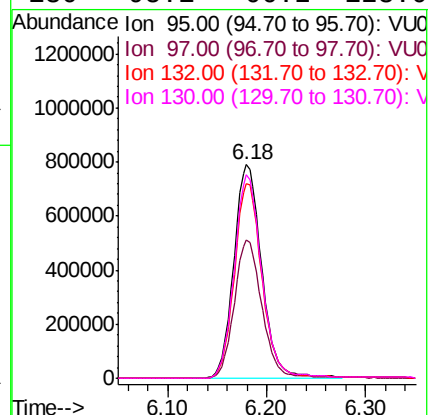
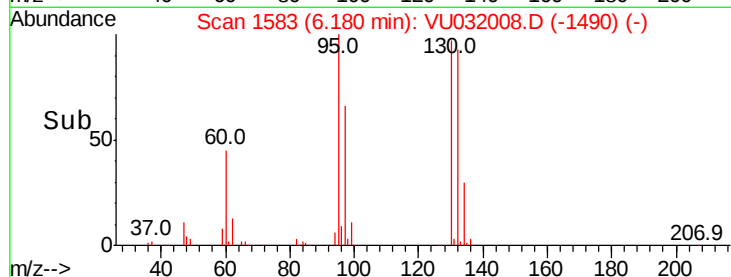
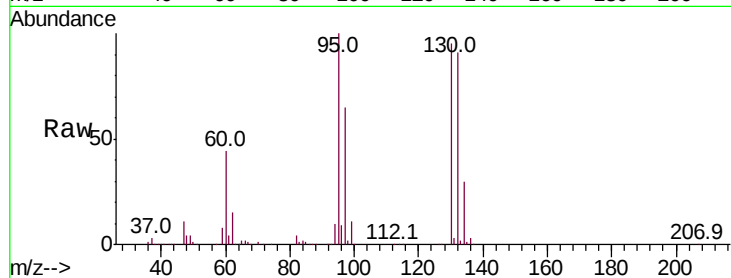
Ion Ratio Lower Upper

95 100

97 64.6 44.9 83.3

132 91.3 63.5 117.9

130 95.1 66.2 123.0



#46

Tetrachloroethene

Concen: 7.550 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU032008.D

Acq: 14 May 2019 20:35

Tgt Ion:164 Resp: 46706

Ion Ratio Lower Upper

164 100

129 104.6 70.9 131.7

131 90.8 67.4 125.2

166 132.1 90.2 167.4

