

Data File : VU033070.D
Acq On : 28 Jun 2019 13:53
Operator : JC/SP
Sample : K3597-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAM62

Quant Time: Jun 29 00:35:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jun 29 00:32:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	90375	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	93103	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	45933	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	18643	3.10	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.00%
7) Chloroethane-d5	1.68	69	18265	3.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.40%
11) 1,1-Dichloroethene-d2	2.27	63	32374	2.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	49.60%#
20) 2-Butanone-d5	4.19	46	88135	48.26	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.52%
24) Chloroform-d	4.64	84	49583	3.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.40%
26) 1,2-Dichloroethane-d4	5.31	65	29257	4.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.00%
32) Benzene-d6	5.33	84	86493	3.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.00%
36) 1,2-Dichloropropane-d6	6.32	67	30485	4.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.40%
41) Toluene-d8	7.56	98	75716	3.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.20%#
43) trans-1,3-Dichloropropene-	7.85	79	11572	3.69	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.80%
46) 2-Hexanone-d5	8.31	63	56533	43.38	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.76%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	26854	4.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.00%
64) 1,2-Dichlorobenzene-d4	11.85	152	34938	4.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	80.40%

Target Compounds

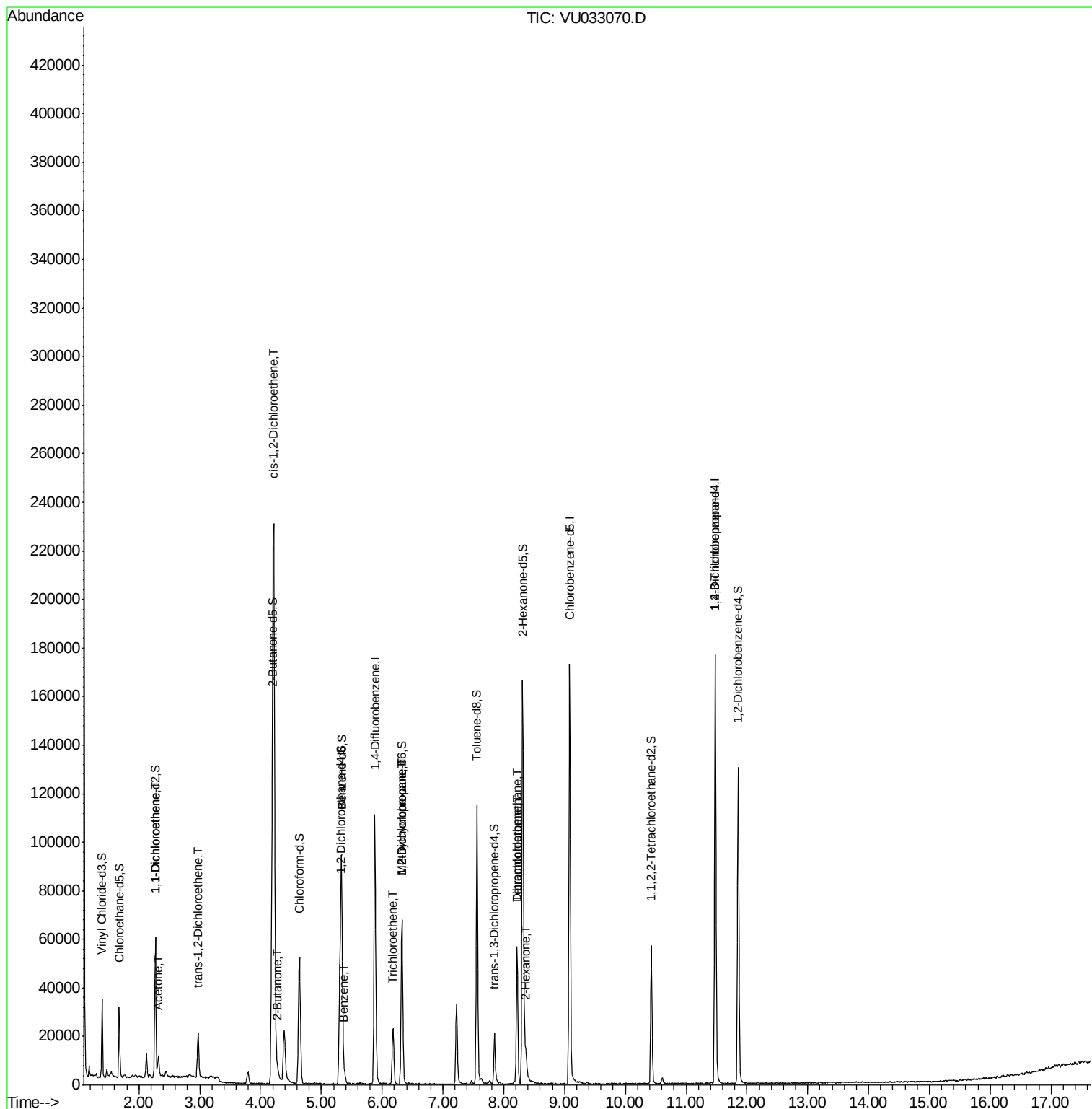
					Qvalue	
12) 1,1-Dichloroethene	2.28	96	1685	0.280	ug/L #	1
13) Acetone	2.32	43	9585	6.228	ug/L	99
18) trans-1,2-Dichloroethene	2.97	96	6223	0.945	ug/L	97
21) 2-Butanone	4.29	43	4454	2.056	ug/L #	76
22) cis-1,2-Dichloroethene	4.22	96	112968	15.793	ug/L	97
33) Benzene	5.38	78	3764	0.137	ug/L	100
34) Trichloroethene	6.18	95	7457	0.992	ug/L	98
35) Methylcyclohexane	6.32	83	7281	0.651	ug/L #	16
37) 1,2-Dichloropropane	6.32	63	3636	0.494	ug/L #	87
47) Tetrachloroethene	8.22	164	11669	1.930	ug/L	91
48) 2-Hexanone	8.36	43	5672	1.562	ug/L #	90
49) Dibromochloromethane	8.22	129	11483	1.753	ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	5760	1.169	ug/L	94

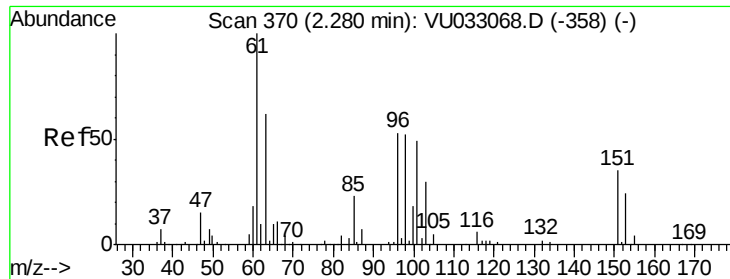
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.280 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU033070.D

Acq: 28 Jun 2019 13:53

Instrument :

MSVOA_U

ClientSampleId :

GAM62

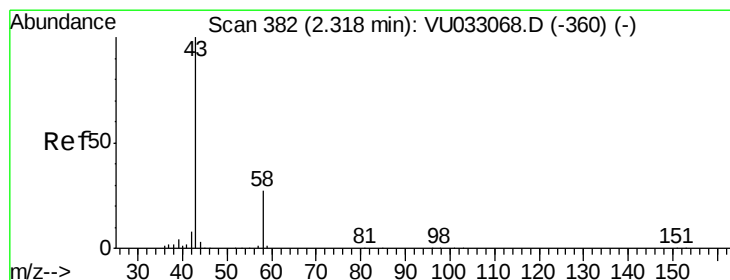
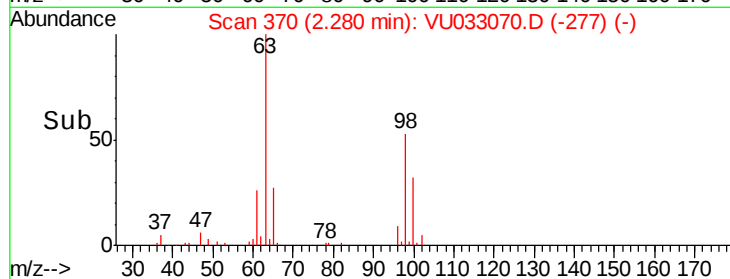
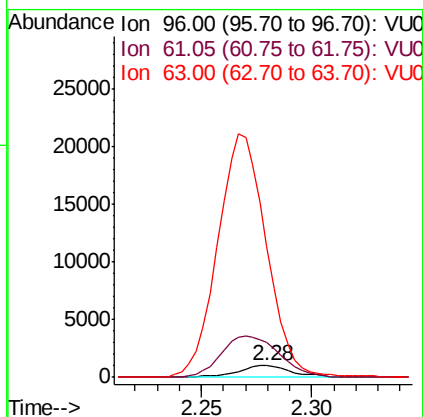
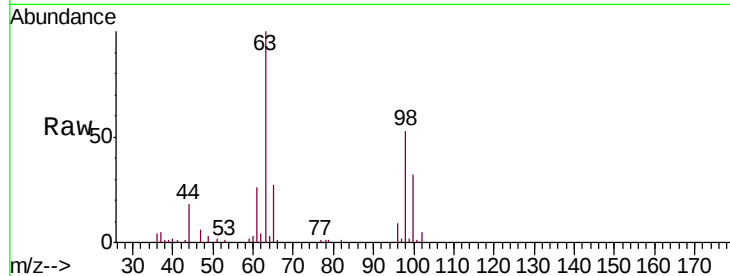
Tgt Ion: 96 Resp: 1685

Ion Ratio Lower Upper

96 100

61 296.0 137.6 255.6#

63 1124.5 94.4 175.2#



#13

Acetone

Concen: 6.228 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU033070.D

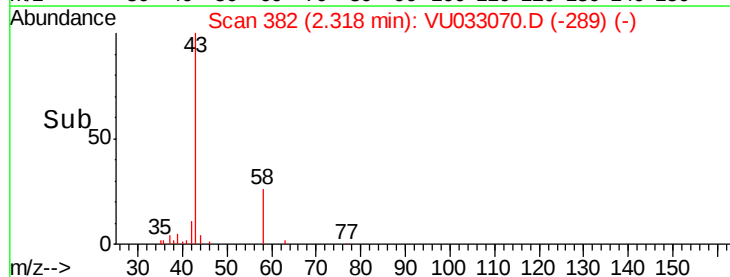
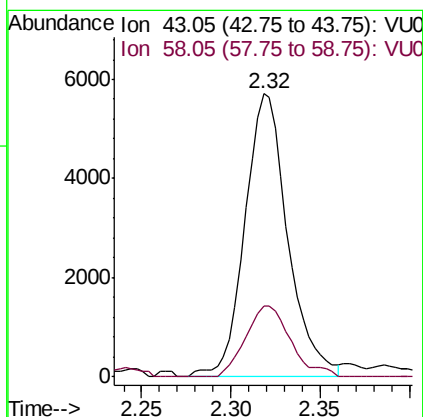
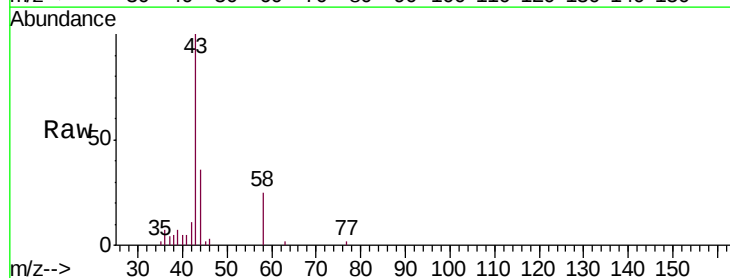
Acq: 28 Jun 2019 13:53

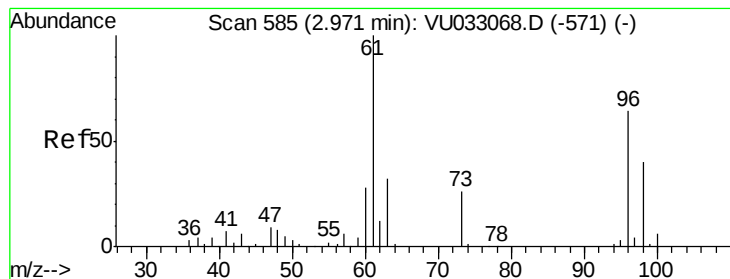
Tgt Ion: 43 Resp: 9585

Ion Ratio Lower Upper

43 100

58 26.5 0.0 51.8





#18

trans-1,2-Dichloroethene

Concen: 0.945 ug/L

RT: 2.97 min Scan# 585

Delta R.T. 0.00 min

Lab File: VU033070.D

Acq: 28 Jun 2019 13:53

Instrument :

MSVOA_U

ClientSampleId :

GAM62

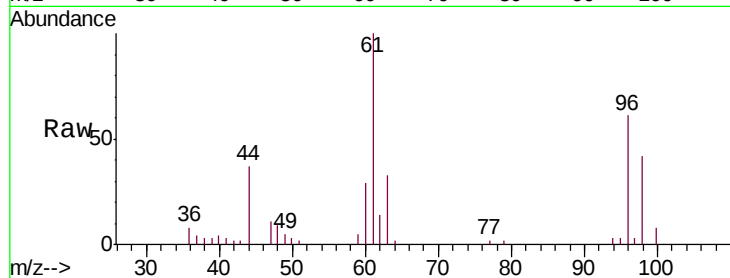
Tgt Ion: 96 Resp: 6223

Ion Ratio Lower Upper

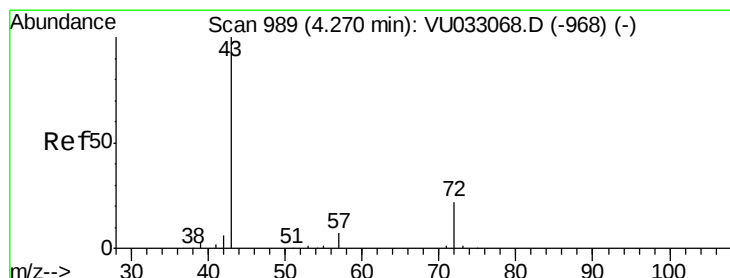
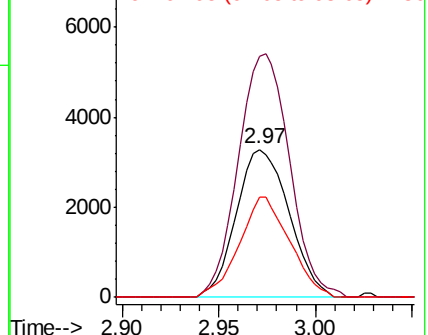
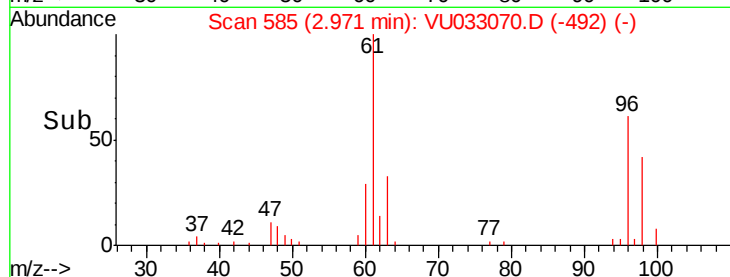
96 100

61 163.4 112.2 208.4

98 68.2 45.4 84.4



Abundance Ion 96.00 (95.70 to 96.70): VU033070.D (-492) (-)



#21

2-Butanone

Concen: 2.056 ug/L

RT: 4.29 min Scan# 994

Delta R.T. 0.02 min

Lab File: VU033070.D

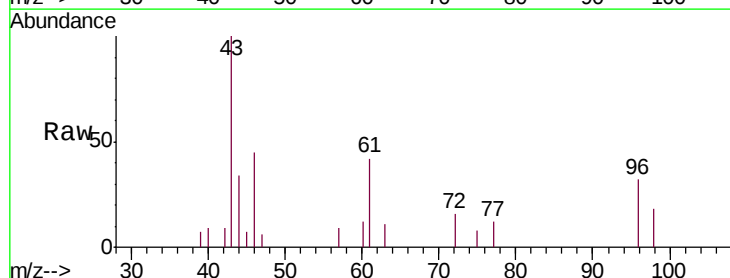
Acq: 28 Jun 2019 13:53

Tgt Ion: 43 Resp: 4454

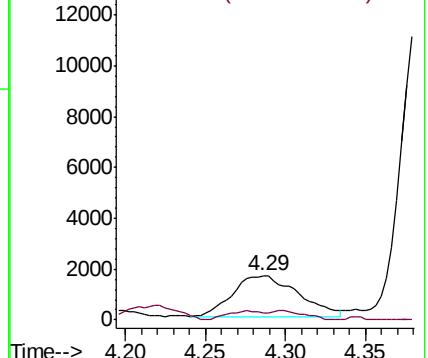
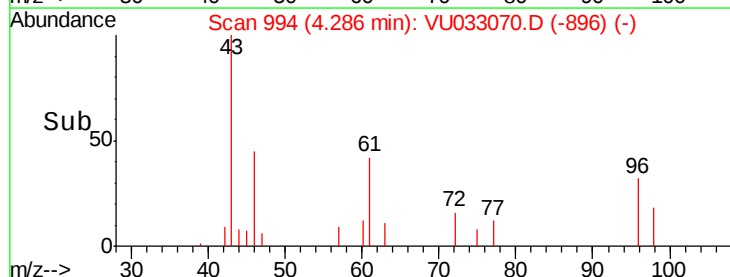
Ion Ratio Lower Upper

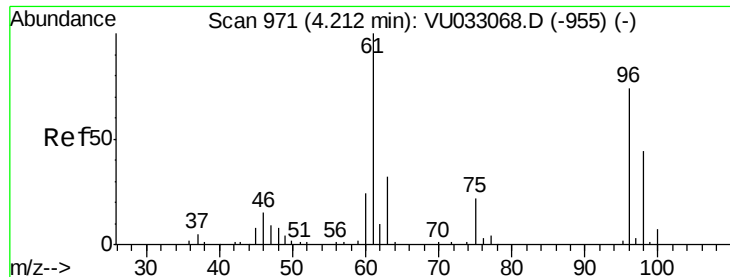
43 100

72 11.5 11.5 34.5#



Abundance Ion 43.05 (42.75 to 43.75): VU033070.D (-896) (-)



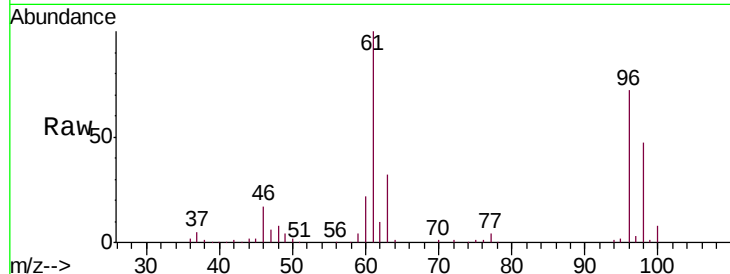


#22

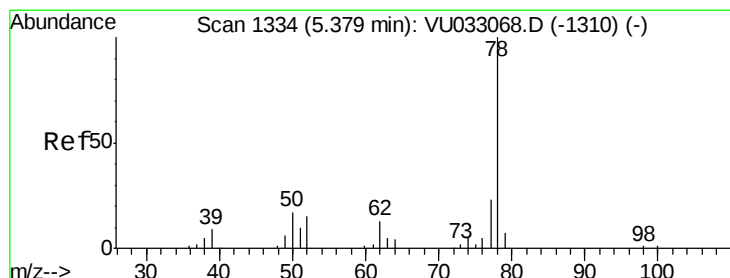
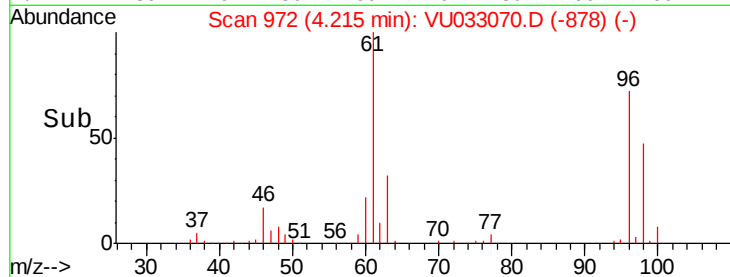
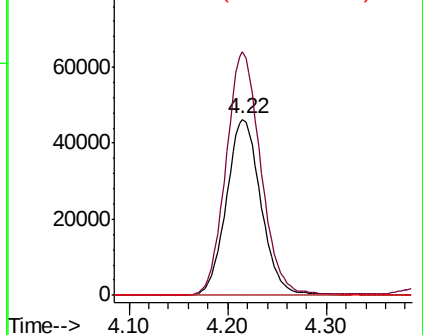
cis-1,2-Dichloroethene
 Concen: 15.793 ug/L
 RT: 4.22 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VU033070.D
 Acq: 28 Jun 2019 13:53

Instrument :
 MSVOA_U
 ClientSampleId :
 GAM62

Tgt Ion: 96 Resp: 112968
 Ion Ratio Lower Upper
 96 100
 61 138.3 94.6 175.8
 68 0.0 0.0 0.0



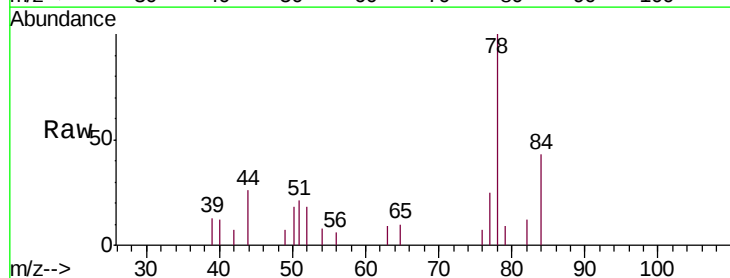
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



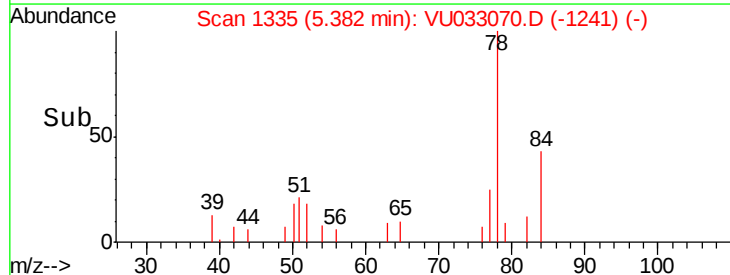
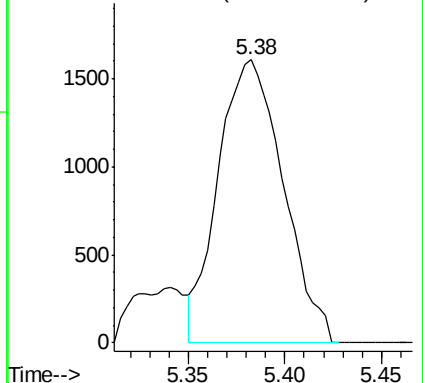
#33

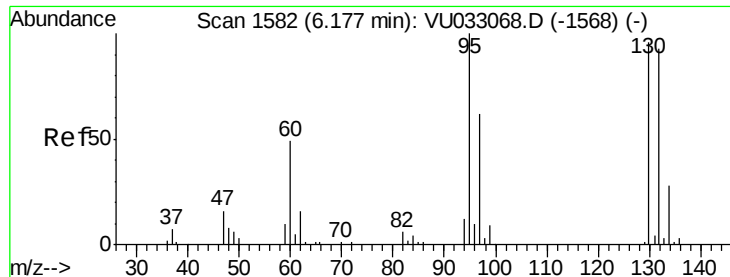
Benzene
 Concen: 0.137 ug/L
 RT: 5.38 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VU033070.D
 Acq: 28 Jun 2019 13:53

Tgt Ion: 78 Resp: 3764



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 0.992 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VU033070.D

Acq: 28 Jun 2019 13:53

Instrument :

MSVOA_U

ClientSampleId :

GAM62

Tgt Ion: 95 Resp: 7457

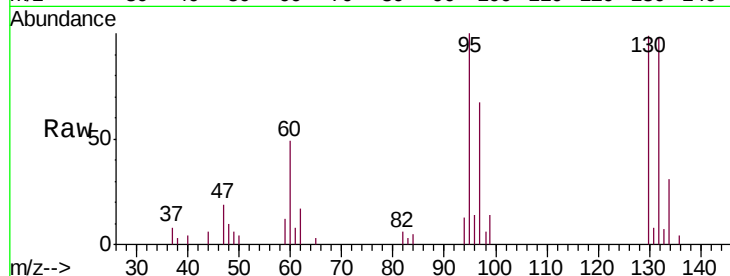
Ion Ratio Lower Upper

95 100

97 67.0 46.0 85.4

132 98.3 68.6 127.4

130 99.0 71.1 132.1

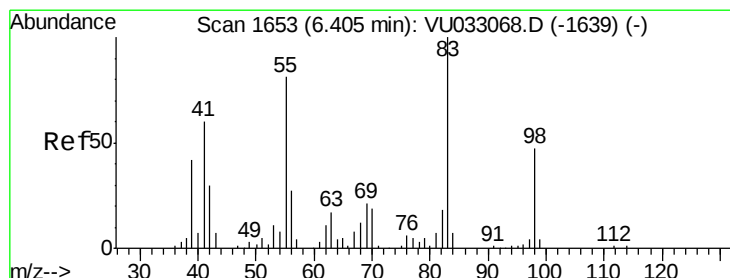
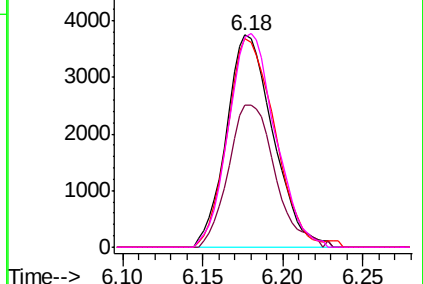
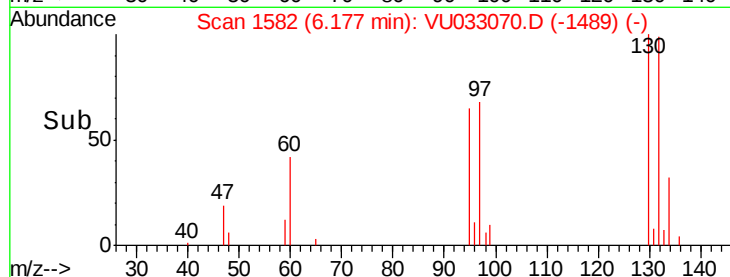


Abundance Ion 95.00 (94.70 to 95.70): VU033070.D (-1489) (-)

Ion 96.95 (96.65 to 97.65): VU033070.D (-1489) (-)

Ion 131.95 (131.65 to 132.65): VU033070.D (-1489) (-)

Ion 129.95 (129.65 to 130.65): VU033070.D (-1489) (-)



#35

Methylcyclohexane

Concen: 0.651 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU033070.D

Acq: 28 Jun 2019 13:53

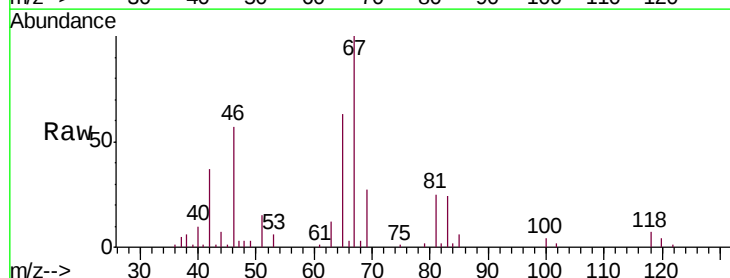
Tgt Ion: 83 Resp: 7281

Ion Ratio Lower Upper

83 100

55 0.0 67.0 100.4#

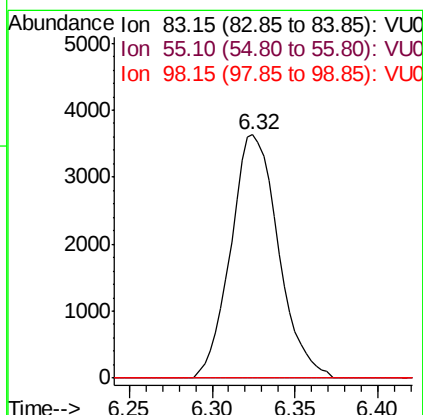
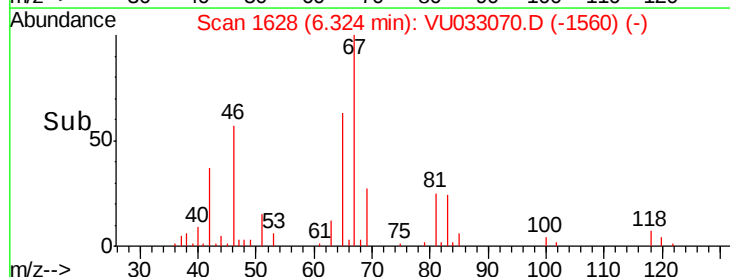
98 0.3 37.7 56.5#

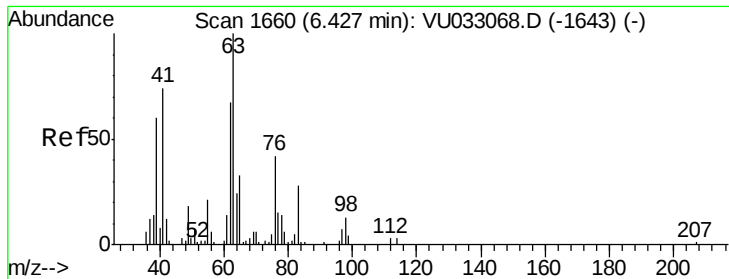


Abundance Ion 83.15 (82.85 to 83.85): VU033070.D (-1560) (-)

Ion 55.10 (54.80 to 55.80): VU033070.D (-1560) (-)

Ion 98.15 (97.85 to 98.85): VU033070.D (-1560) (-)





#37

1,2-Dichloropropane

Concen: 0.494 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VU033070.D

Acq: 28 Jun 2019 13:53

Instrument :

MSVOA_U

ClientSampleId :

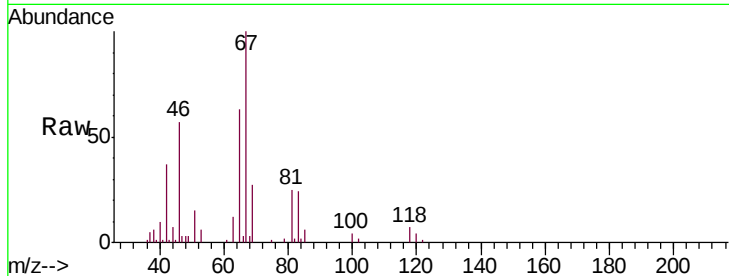
GAM62

Tgt Ion: 63 Resp: 3636

Ion Ratio Lower Upper

63 100

112 0.0 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VU033070.D (-1567) (-)

Ion 112.10 (111.80 to 112.80): VU033070.D (-1567) (-)

6.32

1500

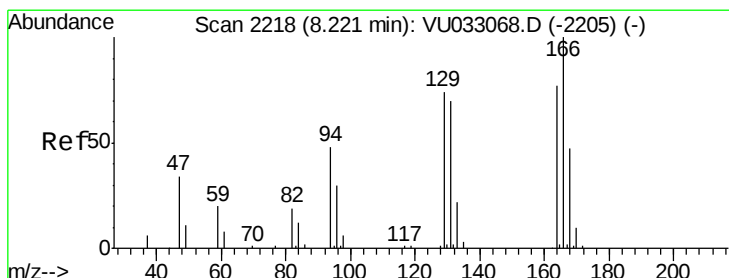
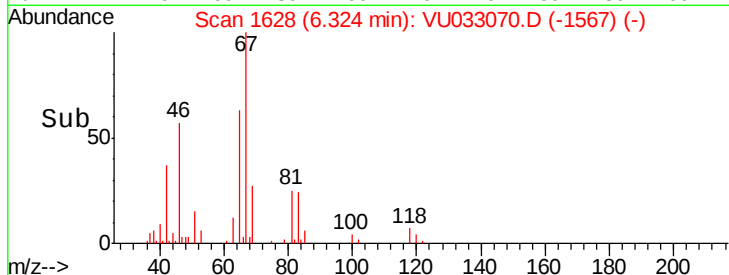
1000

500

0

6.30 6.35

Time-->



#47

Tetrachloroethene

Concen: 1.930 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU033070.D

Acq: 28 Jun 2019 13:53

Tgt Ion:164 Resp: 11669

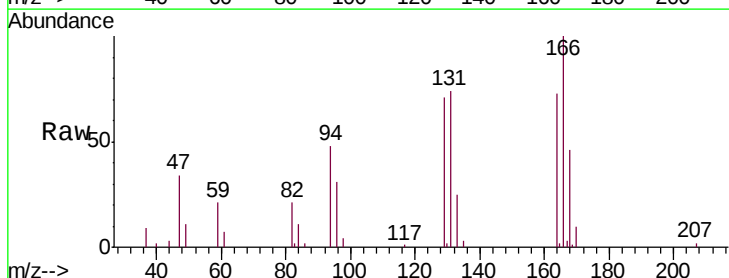
Ion Ratio Lower Upper

164 100

129 97.7 64.9 120.5

131 102.0 63.5 117.9

166 137.5 89.1 165.5



Abundance Ion 163.90 (163.60 to 164.60): VU033070.D (-2125) (-)

Ion 128.95 (128.65 to 129.65): VU033070.D (-2125) (-)

Ion 130.95 (130.65 to 131.65): VU033070.D (-2125) (-)

Ion 165.90 (165.60 to 166.60): VU033070.D (-2125) (-)

8.22

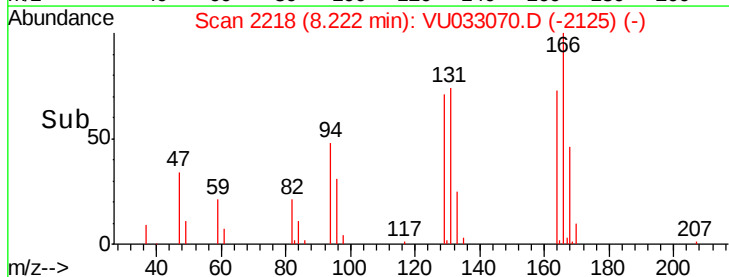
10000

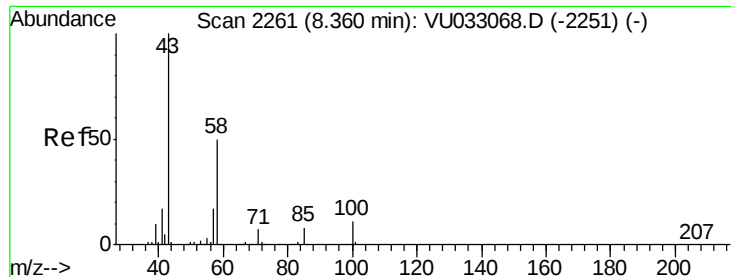
5000

0

8.15 8.20 8.25 8.30

Time-->

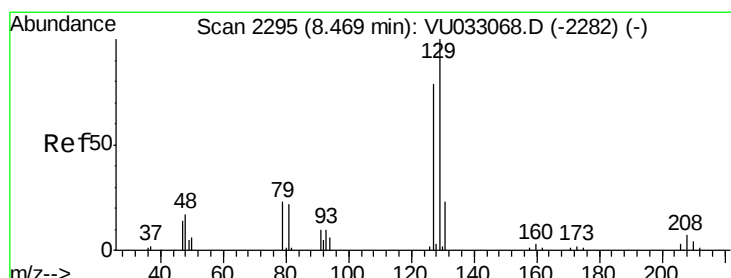
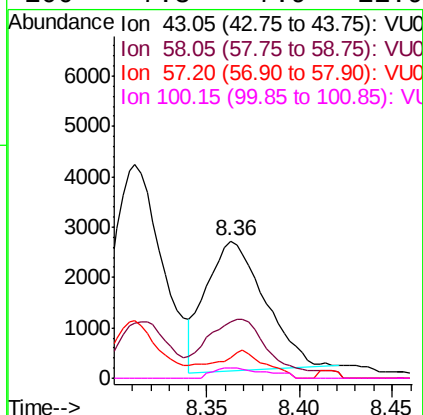
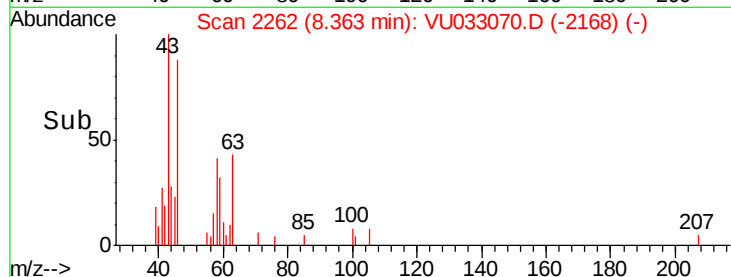
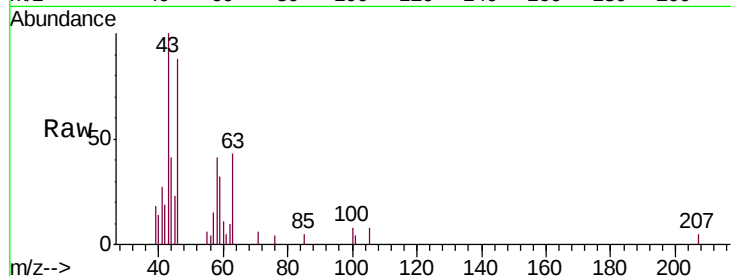




#48
2-Hexanone
Concen: 1.562 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU033070.D
Acq: 28 Jun 2019 13:53

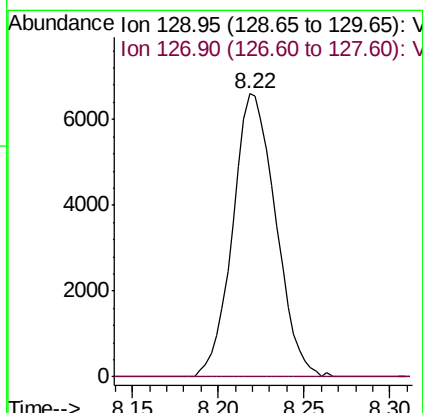
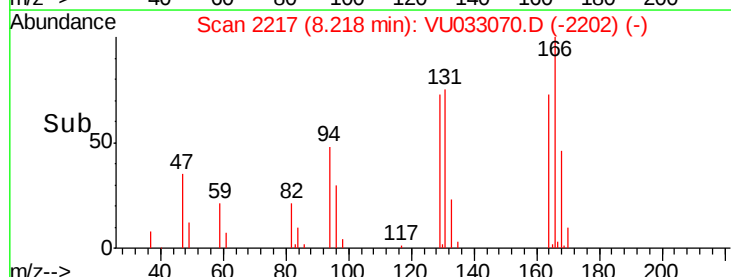
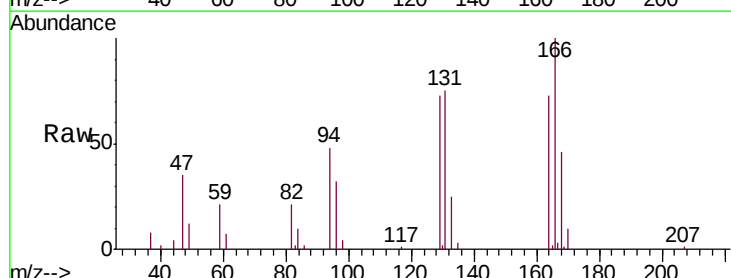
Instrument :
MSVOA_U
ClientSampleId :
GAM62

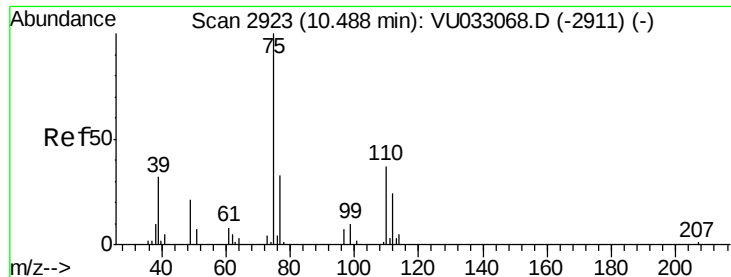
Tgt Ion: 43 Resp: 5672
Ion Ratio Lower Upper
43 100
58 40.3 40.0 60.0
57 18.4 14.0 21.0
100 7.3 7.9 11.9#



#49
Dibromochloromethane
Concen: 1.753 ug/L
RT: 8.22 min Scan# 2217
Delta R.T. -0.25 min
Lab File: VU033070.D
Acq: 28 Jun 2019 13:53

Tgt Ion: 129 Resp: 11483
Ion Ratio Lower Upper
129 100
127 0.0 54.0 100.4#





#59

1,2,3-Trichloropropane

Concen: 1.169 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU033070.D

Acq: 28 Jun 2019 13:53

Instrument :

MSVOA_U

ClientSampleId :

GAM62

Tgt Ion: 75 Resp: 5760

Ion Ratio Lower Upper

75 100

77 35.3 25.4 38.2

