

Data File : VU033089.D
Acq On : 28 Jun 2019 22:44
Operator : JC/SP
Sample : K3597-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAM70

Quant Time: Jun 29 01:04:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jun 29 00:59:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	87113	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	86261	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	42336	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	37612	6.49	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	129.80%
7) Chloroethane-d5	1.68	69	28642	6.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	120.80%
11) 1,1-Dichloroethene-d2	2.27	63	57082	4.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.80%
20) 2-Butanone-d5	4.19	46	94762	53.83	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.66%
24) Chloroform-d	4.64	84	64435	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.20%
26) 1,2-Dichloroethane-d4	5.31	65	36992	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.60%
32) Benzene-d6	5.33	84	123428	5.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	115.60%
36) 1,2-Dichloropropane-d6	6.32	67	39315	5.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.20%
41) Toluene-d8	7.56	98	107481	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.60%
43) trans-1,3-Dichloropropene-	7.85	79	15216	5.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.60%
46) 2-Hexanone-d5	8.31	63	67185	55.64	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.28%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	31486	5.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.00%
64) 1,2-Dichlorobenzene-d4	11.85	152	44890	5.60	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.00%

Target Compounds

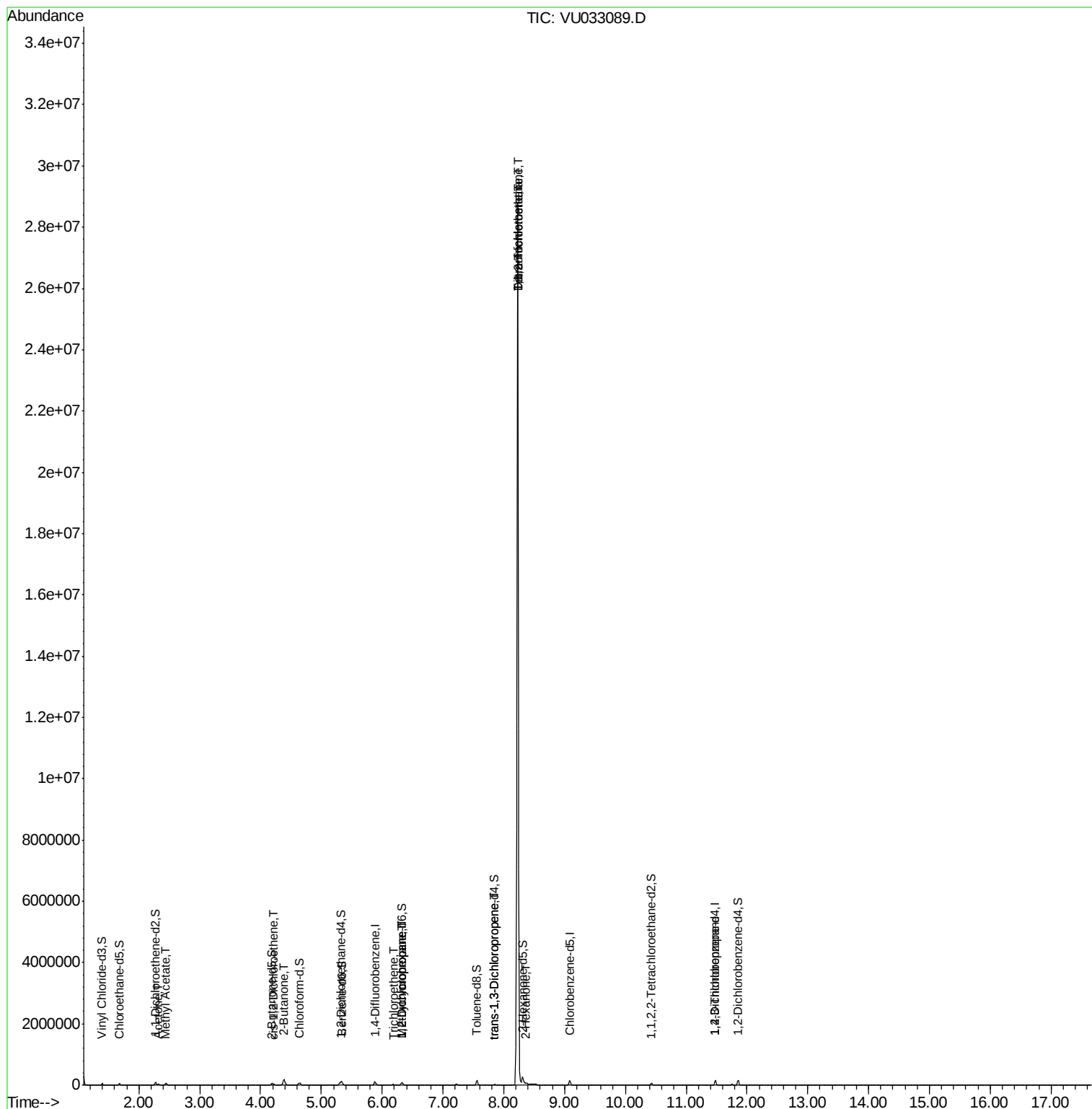
					Qvalue
13) Acetone	2.32	43	41928	28.264	ug/L 98
15) Methyl Acetate	2.44	43	14568	4.245	ug/L # 56
21) 2-Butanone	4.39	43	264537	126.683	ug/L # 54
22) cis-1,2-Dichloroethene	4.22	96	2004	0.291	ug/L 88
34) Trichloroethene	6.18	95	5639	0.810	ug/L 97
35) Methylcyclohexane	6.32	83	9111	0.879	ug/L # 16
37) 1,2-Dichloropropane	6.32	63	4738	0.695	ug/L # 87
44) trans-1,3-Dichloropropene	7.84	75	729	0.090	ug/L 84
45) 1,1,2-Trichloroethane	8.23	97	55732	11.653	ug/L # 5
47) Tetrachloroethene	8.23	164	5649337	1008.366	ug/L 94
48) 2-Hexanone	8.36	43	5442	1.618	ug/L # 88
49) Dibromochloromethane	8.23	129	5694186	938.445	ug/L # 11
59) 1,2,3-Trichloropropane	11.48	75	5597	1.226	ug/L 97

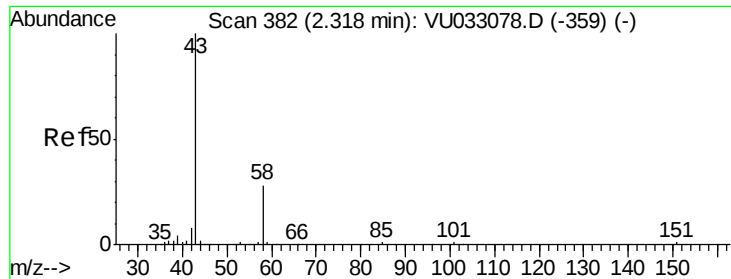
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 28.264 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU033089.D

Acq: 28 Jun 2019 22:44

Instrument :

MSVOA_U

ClientSampleId :

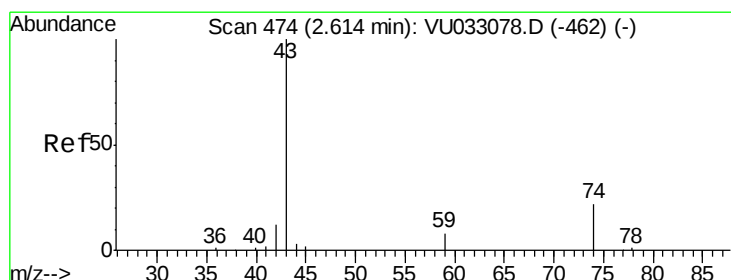
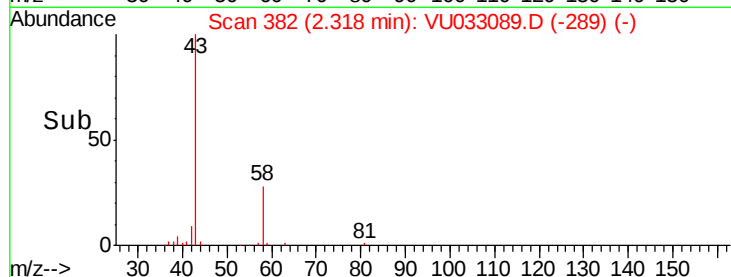
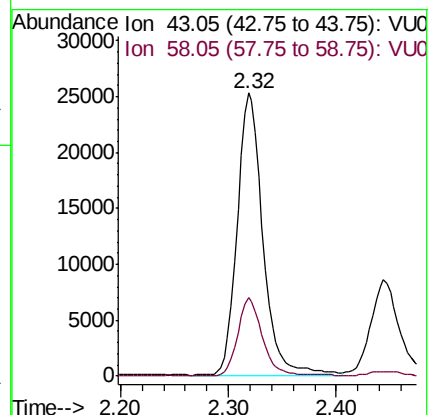
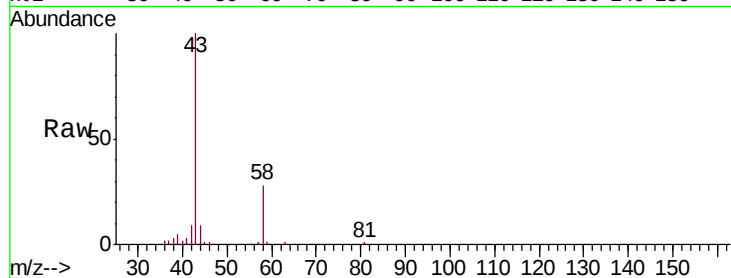
GAM70

Tgt Ion: 43 Resp: 41928

Ion Ratio Lower Upper

43 100

58 26.9 0.0 51.8



#15

Methyl Acetate

Concen: 4.245 ug/L

RT: 2.44 min Scan# 421

Delta R.T. -0.17 min

Lab File: VU033089.D

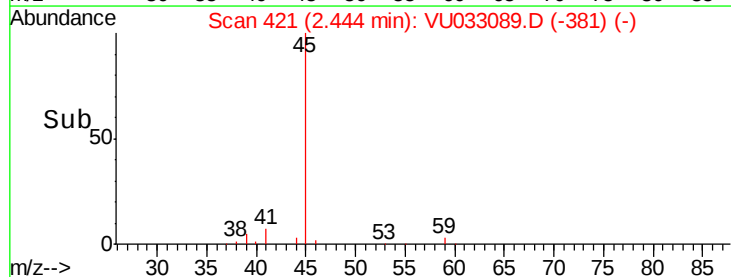
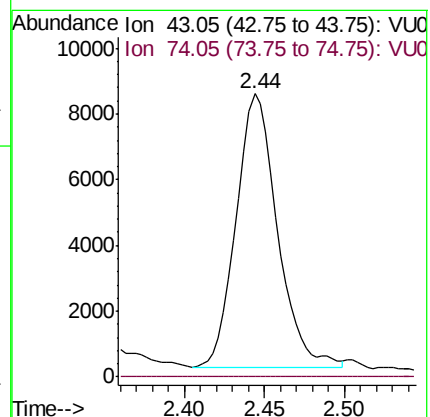
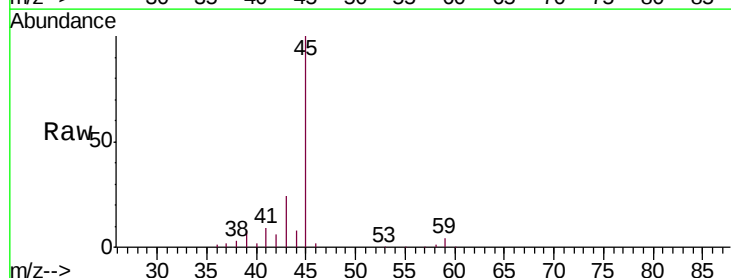
Acq: 28 Jun 2019 22:44

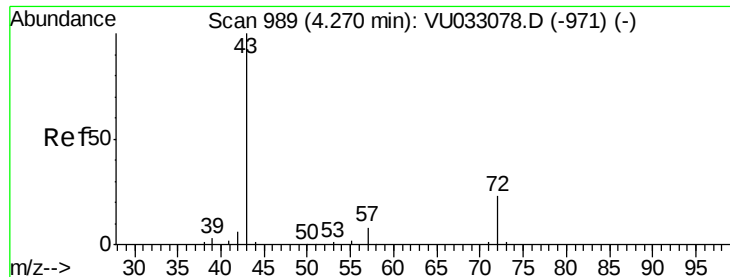
Tgt Ion: 43 Resp: 14568

Ion Ratio Lower Upper

43 100

74 0.0 16.1 24.1#





#21

2-Butanone

Concen: 126.683 ug/L

RT: 4.39 min Scan# 1025

Delta R.T. 0.12 min

Lab File: VU033089.D

Acq: 28 Jun 2019 22:44

Instrument :

MSVOA_U

ClientSampleId :

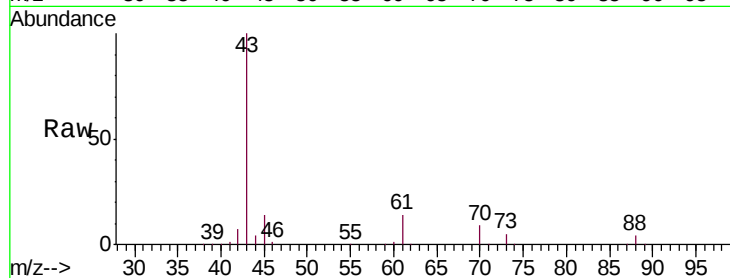
GAM70

Tgt Ion: 43 Resp: 264537

Ion Ratio Lower Upper

43 100

72 0.6 11.5 34.5#



Abundance Ion 43.05 (42.75 to 43.75): VU033078.D (-971) (-)

Ion 72.10 (71.80 to 72.80): VU033078.D (-971) (-)

4.39

120000

100000

80000

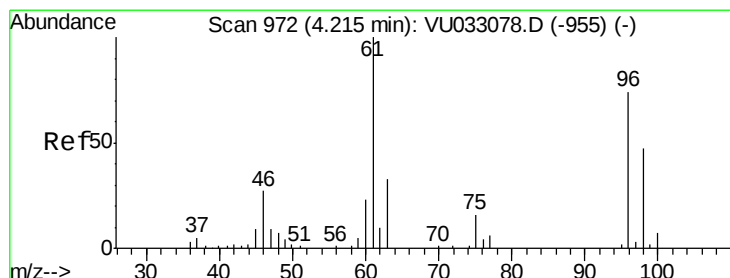
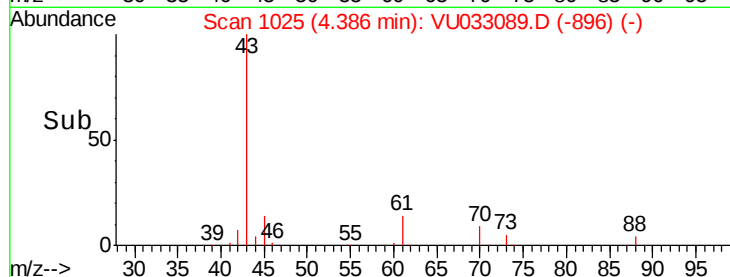
60000

40000

20000

0

Time-->



#22

cis-1,2-Dichloroethene

Concen: 0.291 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU033089.D

Acq: 28 Jun 2019 22:44

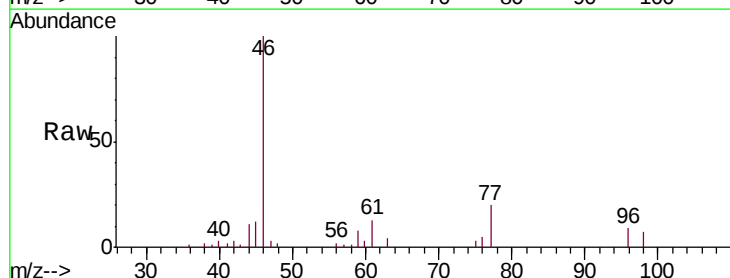
Tgt Ion: 96 Resp: 2004

Ion Ratio Lower Upper

96 100

61 148.9 94.6 175.8

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU033078.D (-955) (-)

Ion 61.05 (60.75 to 61.75): VU033078.D (-955) (-)

Ion 68.15 (67.85 to 68.85): VU033078.D (-955) (-)

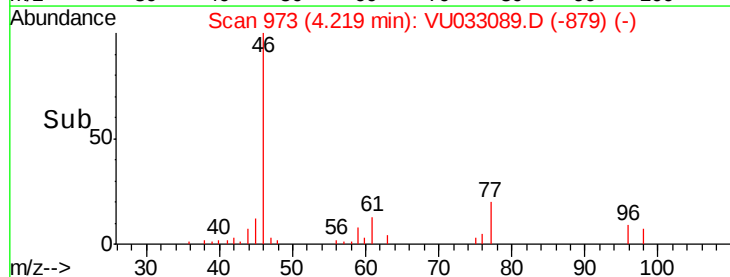
1500

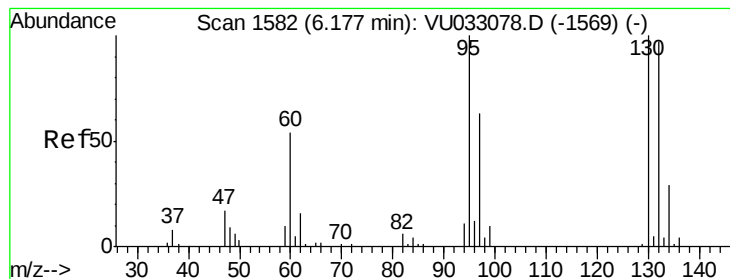
1000

500

0

Time-->





#34

Trichloroethene

Concen: 0.810 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU033089.D

Acq: 28 Jun 2019 22:44

Instrument :

MSVOA_U

ClientSampleID :

GAM70

Tgt Ion: 95 Resp: 5639

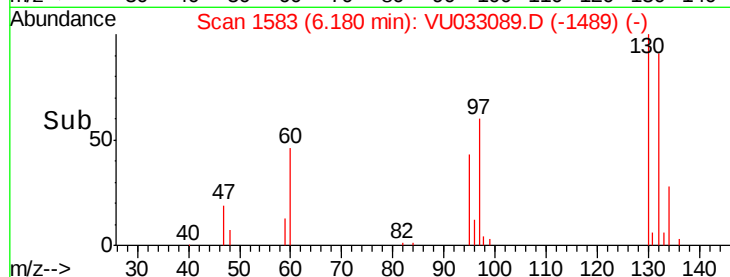
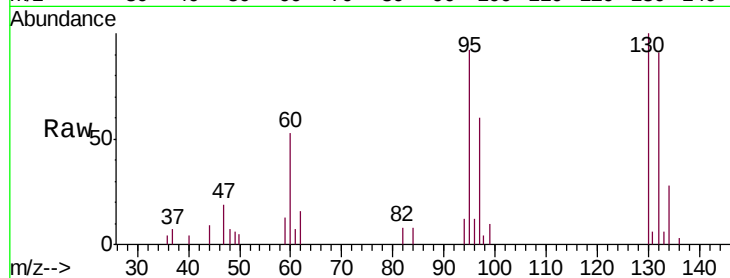
Ion Ratio Lower Upper

95 100

97 65.1 46.0 85.4

132 98.4 68.6 127.4

130 108.7 71.1 132.1

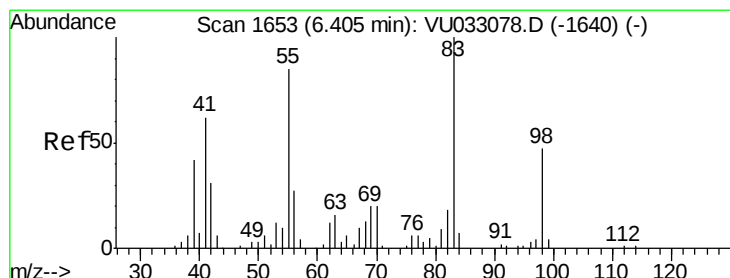
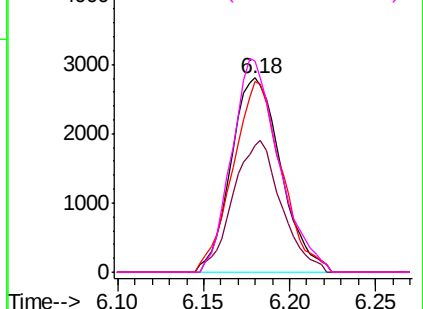


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.879 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU033089.D

Acq: 28 Jun 2019 22:44

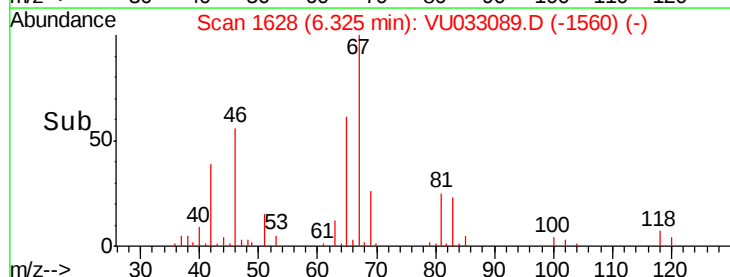
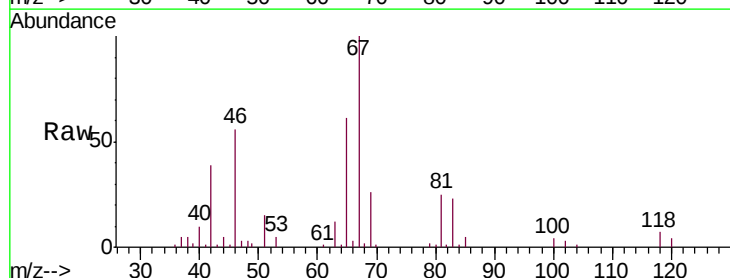
Tgt Ion: 83 Resp: 9111

Ion Ratio Lower Upper

83 100

55 0.0 67.0 100.4#

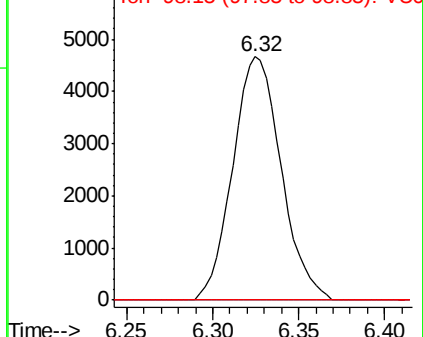
98 0.9 37.7 56.5#

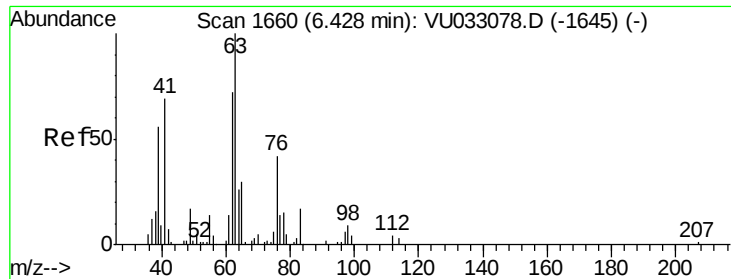


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.695 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VU033089.D

Acq: 28 Jun 2019 22:44

Instrument :

MSVOA_U

ClientSampled :

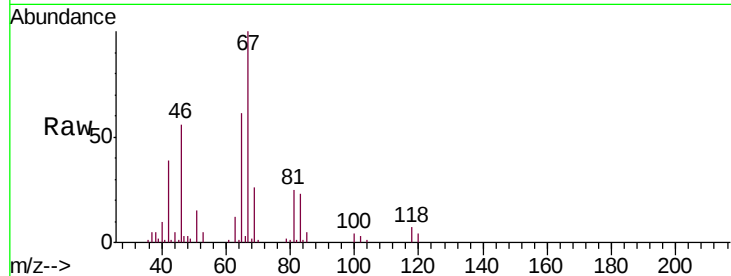
GAM70

Tgt Ion: 63 Resp: 4738

Ion Ratio Lower Upper

63 100

112 0.0 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VU033078.D (-1645) (-)

Ion 112.10 (111.80 to 112.80): VU033078.D (-1645) (-)

6.32

2500

2000

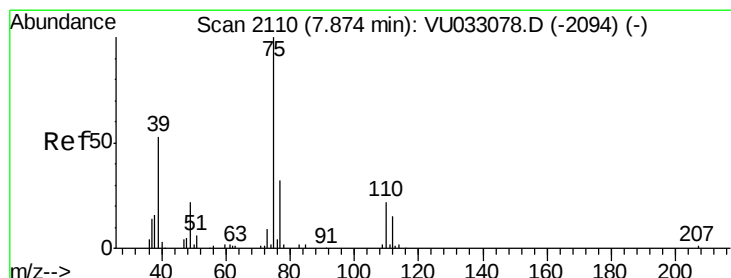
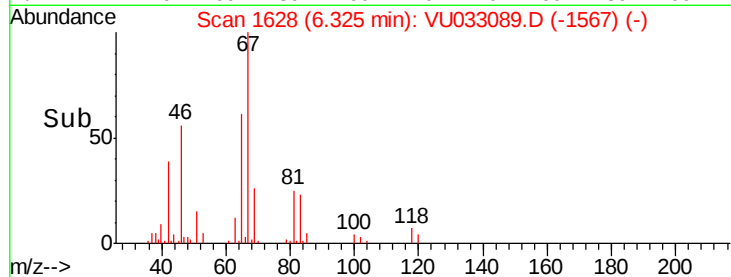
1500

1000

500

0

Time--> 6.25 6.30 6.35 6.40



#44

trans-1,3-Dichloropropene

Concen: 0.090 ug/L

RT: 7.84 min Scan# 2100

Delta R.T. -0.03 min

Lab File: VU033089.D

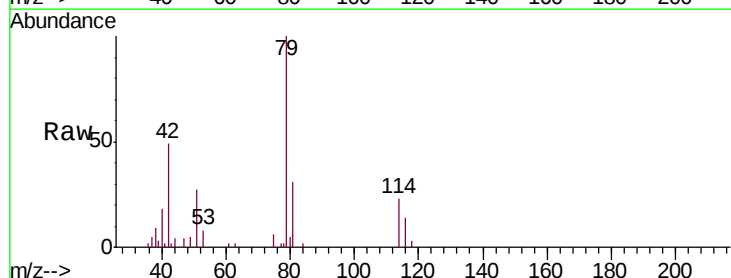
Acq: 28 Jun 2019 22:44

Tgt Ion: 75 Resp: 729

Ion Ratio Lower Upper

75 100

77 39.8 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VU033078.D (-2094) (-)

Ion 77.05 (76.75 to 77.75): VU033078.D (-2094) (-)

7.84

500

400

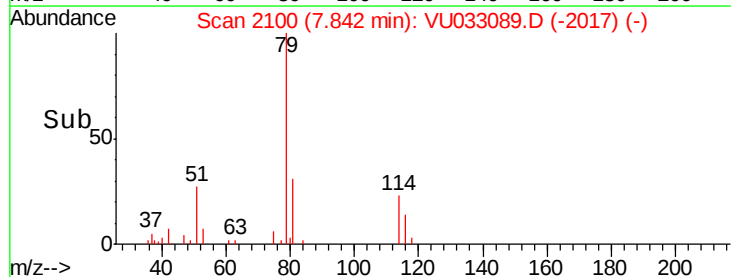
300

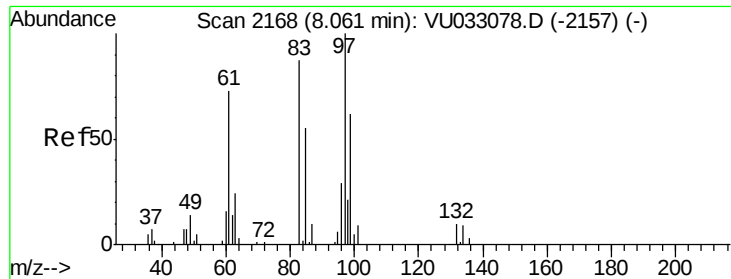
200

100

0

Time--> 7.80 7.82 7.84 7.86 7.88

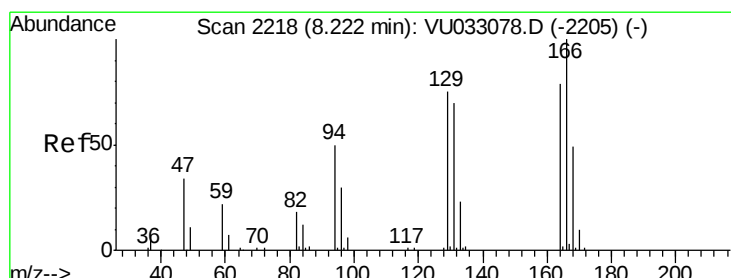
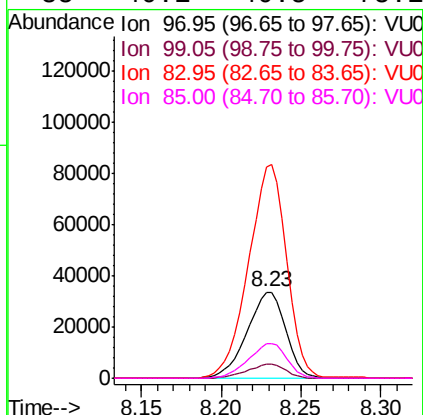
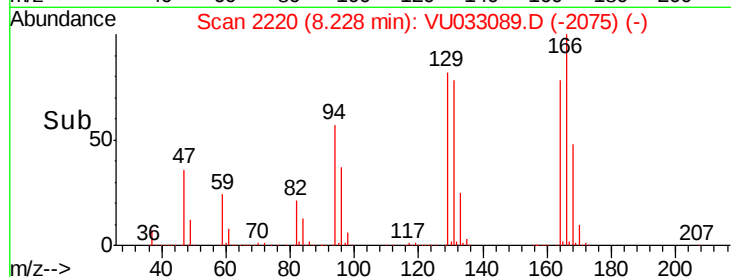
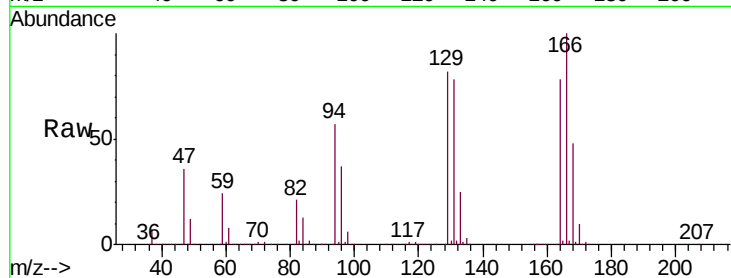




#45
1,1,2-Trichloroethane
Concen: 11.653 ug/L
RT: 8.23 min Scan# 2220
Delta R.T. 0.17 min
Lab File: VU033089.D
Acq: 28 Jun 2019 22:44

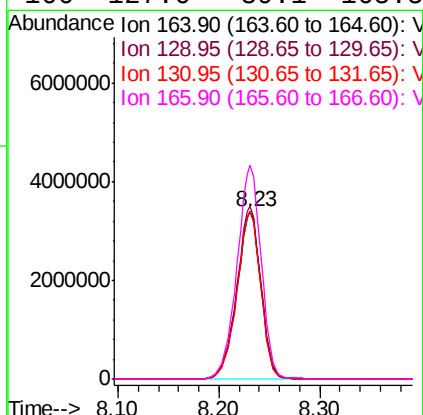
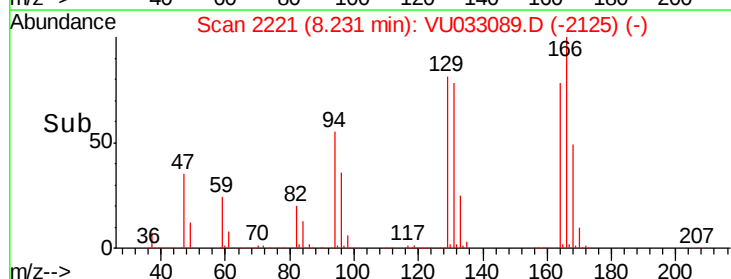
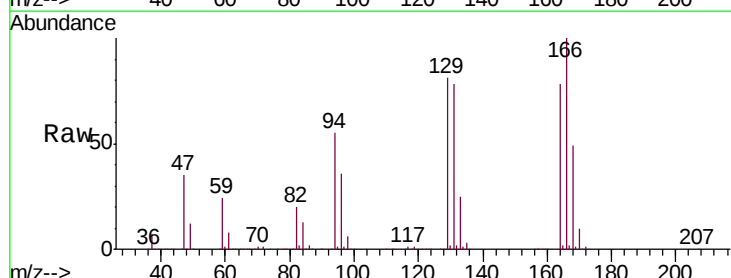
Instrument :
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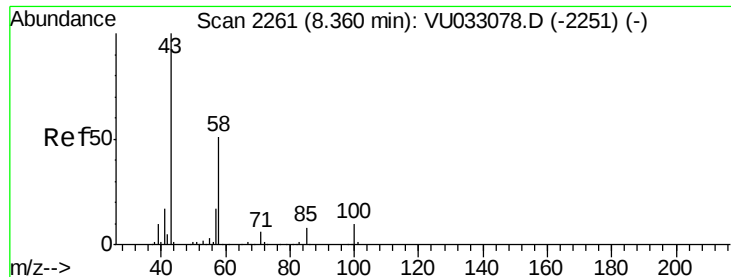
Tgt Ion: 97 Resp: 55732
Ion Ratio Lower Upper
97 100
99 15.8 44.7 83.1#
83 244.6 62.6 116.2#
85 40.1 40.5 75.1#



#47
Tetrachloroethene
Concen: 1008.366 ug/L
RT: 8.23 min Scan# 2221
Delta R.T. 0.01 min
Lab File: VU033089.D
Acq: 28 Jun 2019 22:44

Tgt Ion: 164 Resp: 5649337
Ion Ratio Lower Upper
164 100
129 103.5 64.9 120.5
131 99.9 63.5 117.9
166 127.6 89.1 165.5

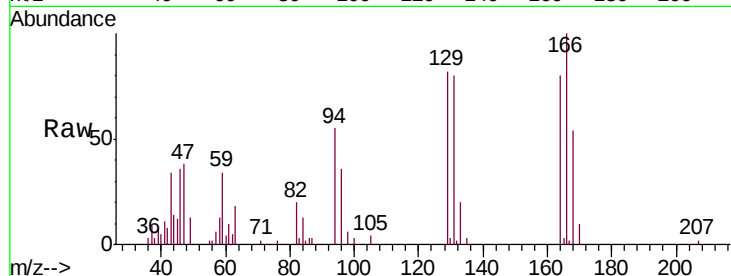




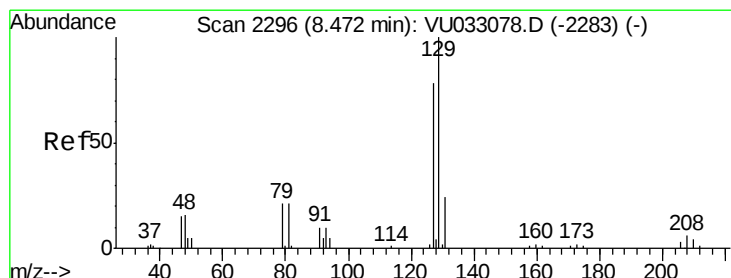
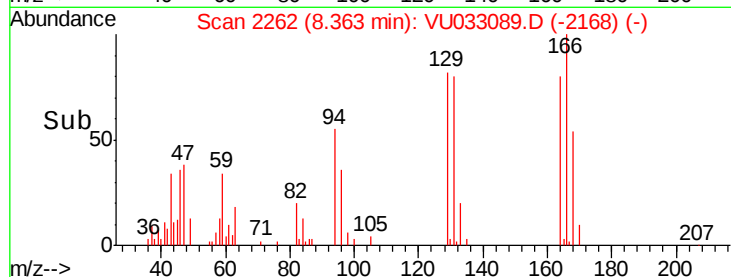
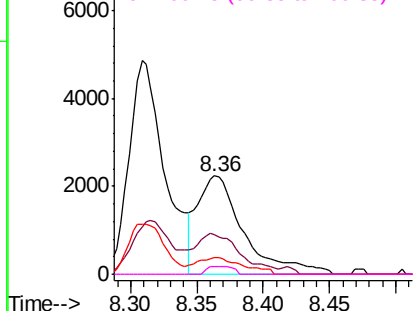
#48
2-Hexanone
Concen: 1.618 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU033089.D
Acq: 28 Jun 2019 22:44

Instrument :
MSVOA_U
ClientSampleId :
GAM70

Tgt Ion: 43 Resp: 5442
Ion Ratio Lower Upper
43 100
58 39.0 40.0 60.0#
57 17.3 14.0 21.0
100 4.5 7.9 11.9#

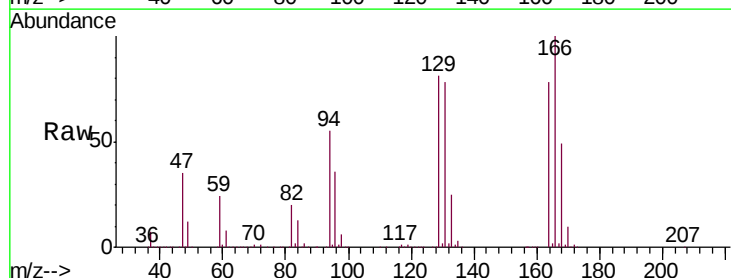


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

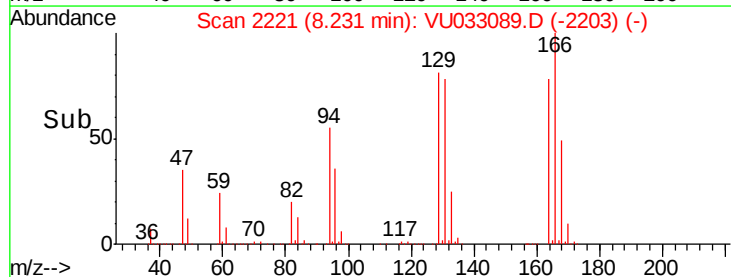
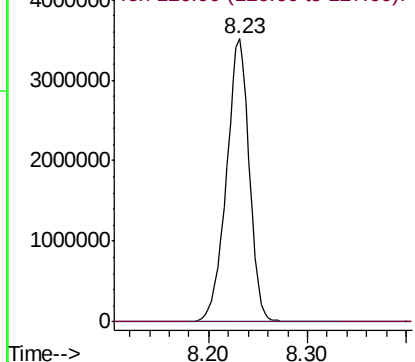


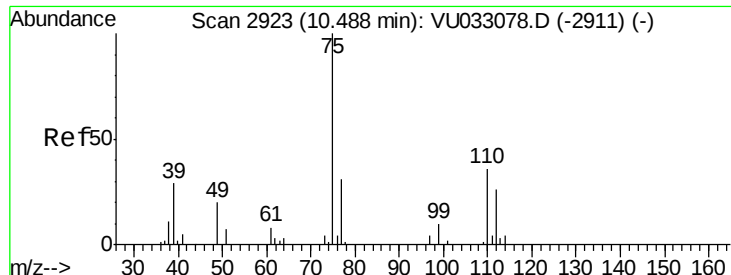
#49
Dibromochloromethane
Concen: 938.445 ug/L
RT: 8.23 min Scan# 2221
Delta R.T. -0.24 min
Lab File: VU033089.D
Acq: 28 Jun 2019 22:44

Tgt Ion: 129 Resp: 5694186
Ion Ratio Lower Upper
129 100
127 0.0 54.0 100.4#



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#59

1,2,3-Trichloropropane

Concen: 1.226 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU033089.D

Acq: 28 Jun 2019 22:44

Instrument :

MSVOA_U

ClientSampleId :

GAM70

Tgt Ion: 75 Resp: 5597

Ion Ratio Lower Upper

75 100

77 33.7 25.4 38.2

