

Data File : VU032923.D
Acq On : 21 Jun 2019 00:28
Operator : JC/SP
Sample : K3413-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GALG1

Quant Time: Jun 21 07:42:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 21 07:36:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	85942	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	86187	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	42458	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	21972	3.93	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.60%
7) Chloroethane-d5	1.68	69	20787	4.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.00%
11) 1,1-Dichloroethene-d2	2.27	63	37313	3.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.80%
20) 2-Butanone-d5	4.19	46	96626	61.96	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.92%
24) Chloroform-d	4.64	84	53713	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
26) 1,2-Dichloroethane-d4	5.30	65	32472	6.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	124.20%
32) Benzene-d6	5.33	84	96726	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
36) 1,2-Dichloropropane-d6	6.32	67	33641	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.00%
41) Toluene-d8	7.56	98	86310	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.20%
43) trans-1,3-Dichloropropene-	7.85	79	12740	4.51	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.20%
46) 2-Hexanone-d5	8.31	63	69326	49.02	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.04%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	31031	5.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.40%
64) 1,2-Dichlorobenzene-d4	11.85	152	37880	4.96	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.20%

Target Compounds

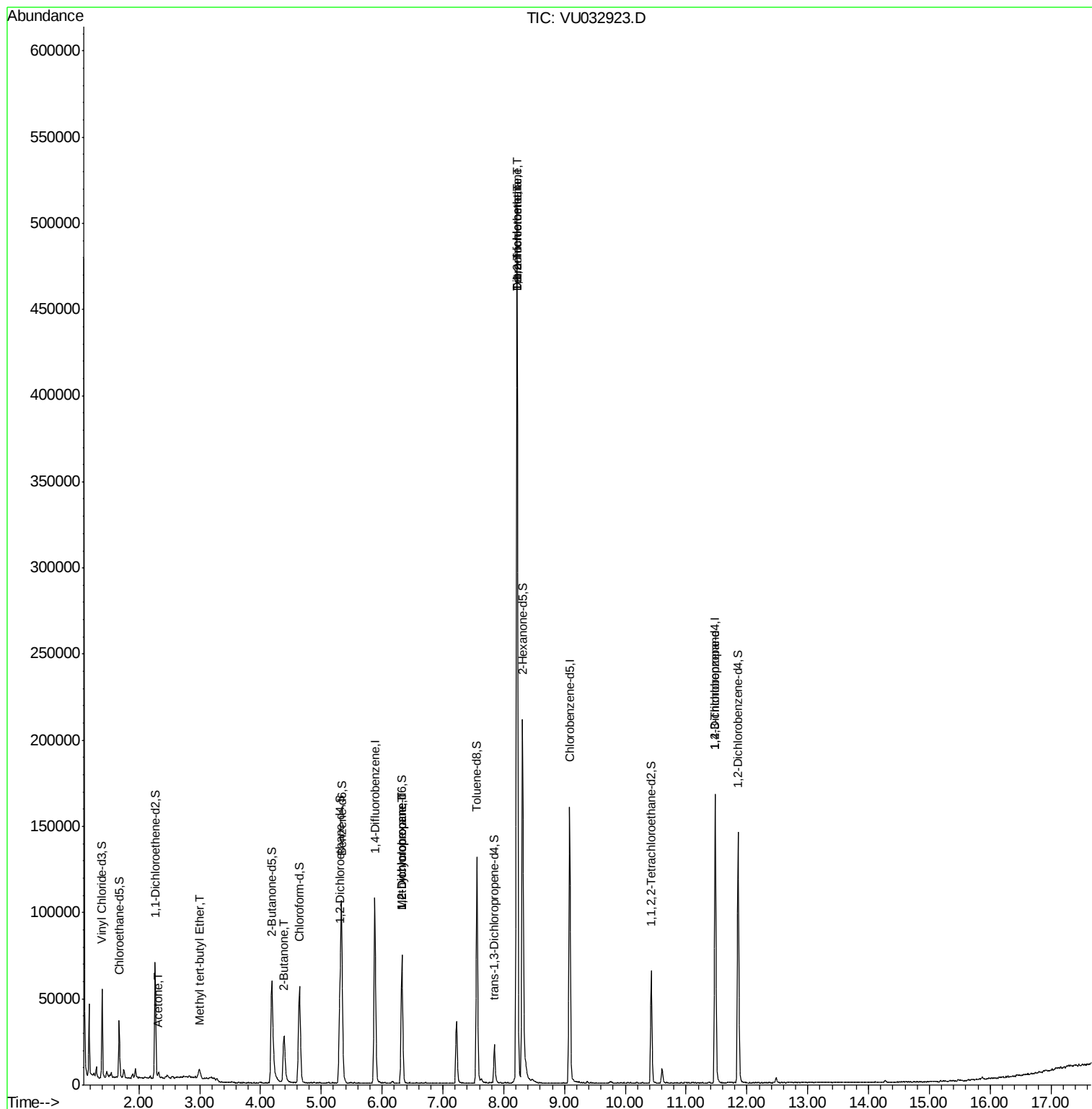
					Qvalue
13) Acetone	2.32	43	2952	2.439 ug/L	90
17) Methyl tert-butyl Ether	3.00	73	4305	0.270 ug/L #	73
21) 2-Butanone	4.39	43	40745	23.146 ug/L #	49
35) Methylcyclohexane	6.32	83	7643	0.650 ug/L #	19
37) 1,2-Dichloropropane	6.32	63	4152	0.632 ug/L #	89
45) 1,1,2-Trichloroethane	8.22	97	1113	0.233 ug/L #	16
47) Tetrachloroethene	8.22	164	108356	18.838 ug/L	97
49) Dibromochloromethane	8.22	129	100363	16.404 ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	5559	1.288 ug/L #	85

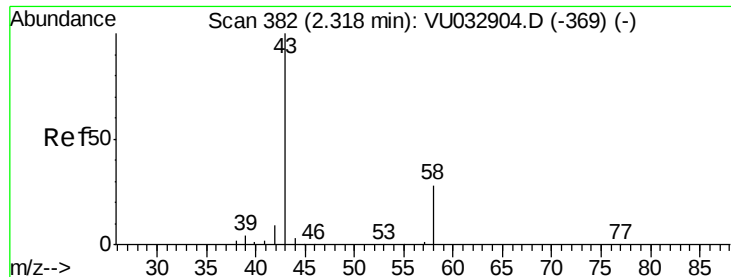
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.439 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032923.D

Acq: 21 Jun 2019 00:28

Instrument :

MSVOA_U

ClientSampleId :

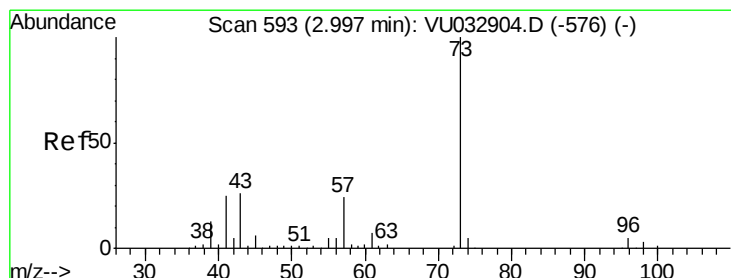
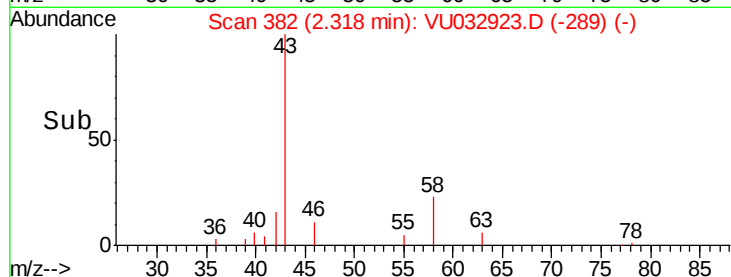
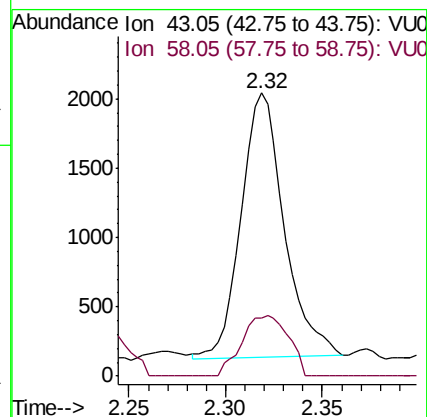
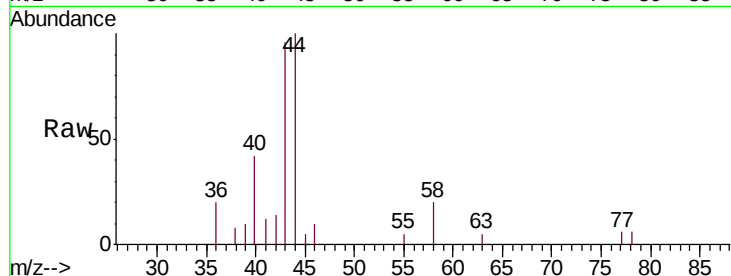
GALG1

Tgt Ion: 43 Resp: 2952

Ion Ratio Lower Upper

43 100

58 24.7 0.0 60.8



#17

Methyl tert-butyl Ether

Concen: 0.270 ug/L

RT: 3.00 min Scan# 593

Delta R.T. 0.00 min

Lab File: VU032923.D

Acq: 21 Jun 2019 00:28

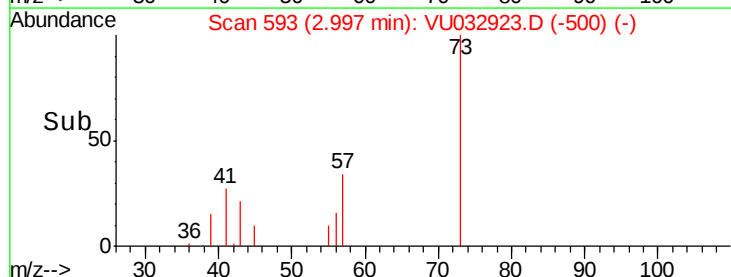
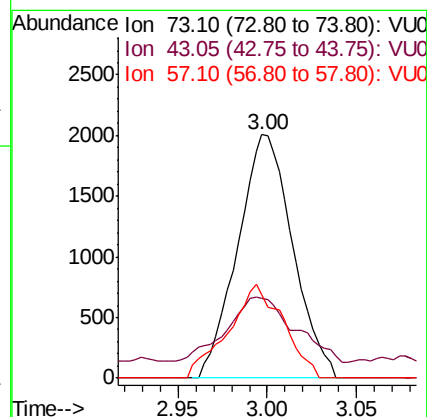
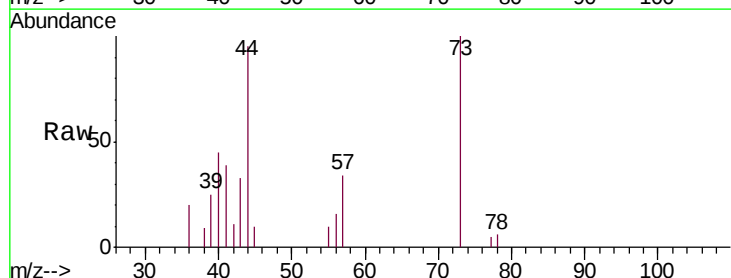
Tgt Ion: 73 Resp: 4305

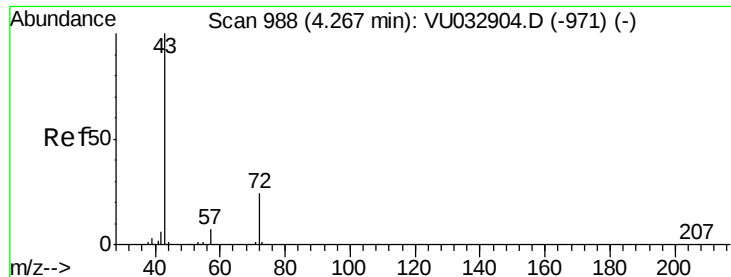
Ion Ratio Lower Upper

73 100

43 33.8 18.6 27.8#

57 38.5 18.3 27.5#





#21

2-Butanone

Concen: 23.146 ug/L

RT: 4.39 min Scan# 1025

Delta R.T. 0.12 min

Lab File: VU032923.D

Acq: 21 Jun 2019 00:28

Instrument :

MSVOA_U

ClientSampleId :

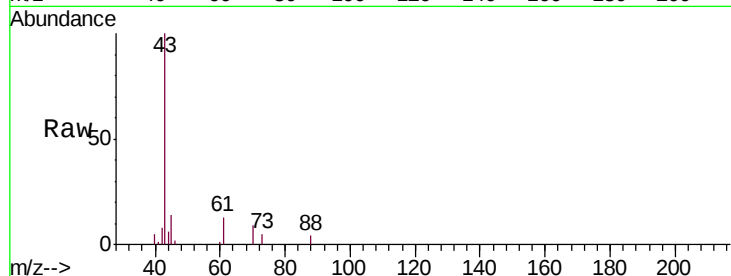
GALG1

Tgt Ion: 43 Resp: 40745

Ion Ratio Lower Upper

43 100

72 0.0 13.1 39.3#



Abundance Ion 43.05 (42.75 to 43.75): VU032923.D (-1025) (-)

Ion 72.10 (71.80 to 72.80): VU032923.D (-1025) (-)

4.39

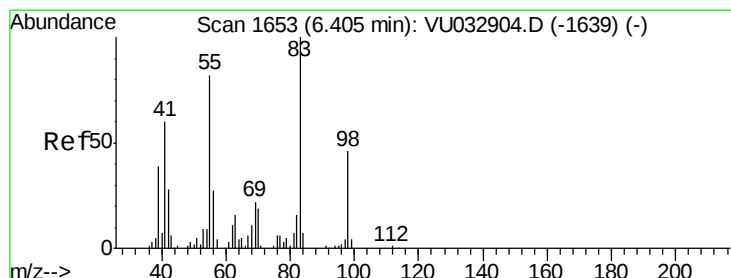
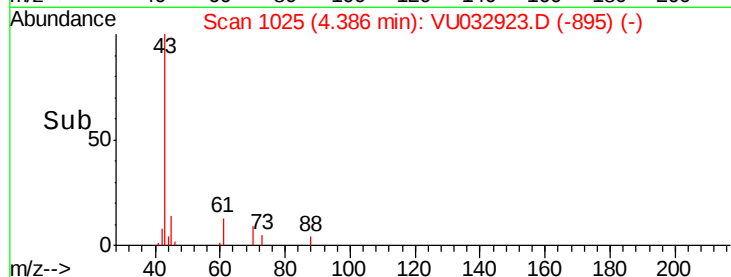
15000

10000

5000

0

Time-->



#35

Methylcyclohexane

Concen: 0.650 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU032923.D

Acq: 21 Jun 2019 00:28

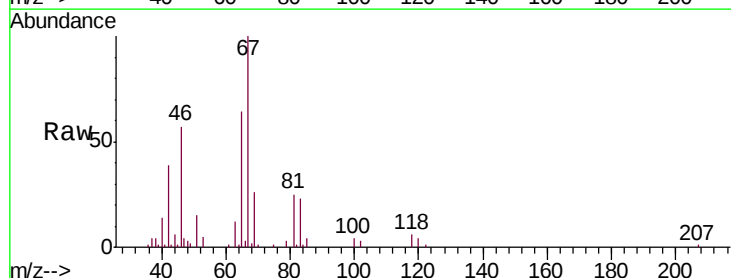
Tgt Ion: 83 Resp: 7643

Ion Ratio Lower Upper

83 100

55 0.0 60.0 90.0#

98 0.9 37.8 56.8#



Abundance Ion 83.15 (82.85 to 83.85): VU032923.D (-1628) (-)

Ion 55.10 (54.80 to 55.80): VU032923.D (-1628) (-)

Ion 98.15 (97.85 to 98.85): VU032923.D (-1628) (-)

6.32

5000

4000

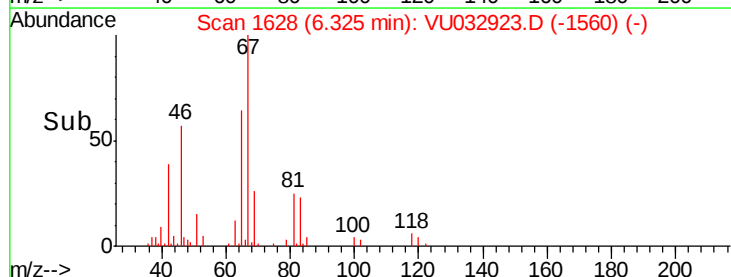
3000

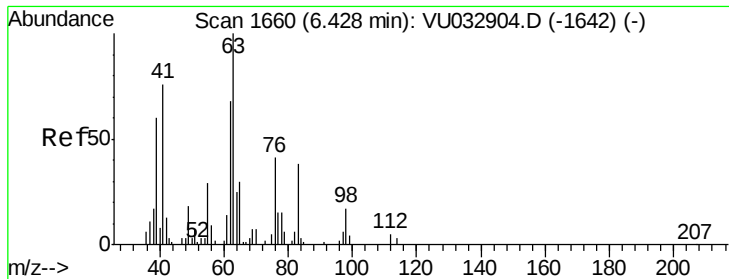
2000

1000

0

Time-->





#37

1,2-Dichloropropane

Concen: 0.632 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VU032923.D

Acq: 21 Jun 2019 00:28

Instrument :

MSVOA_U

ClientSampleId :

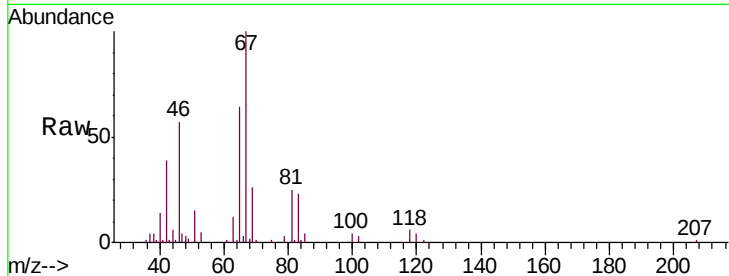
GALG1

Tgt Ion: 63 Resp: 4152

Ion Ratio Lower Upper

63 100

112 0.0 2.9 4.3#



Abundance Ion 63.10 (62.80 to 63.80): VU032923.D (-1628) (-)

Ion 112.10 (111.80 to 112.80): VU032923.D (-1628) (-)

6.32

2000

1500

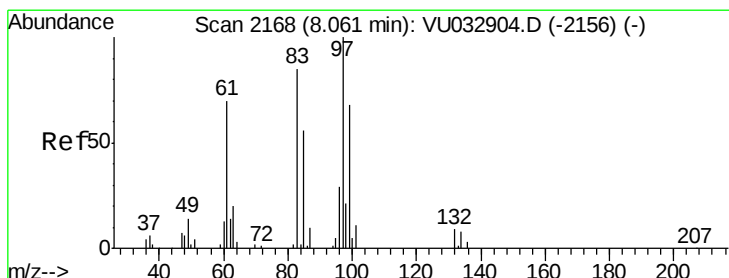
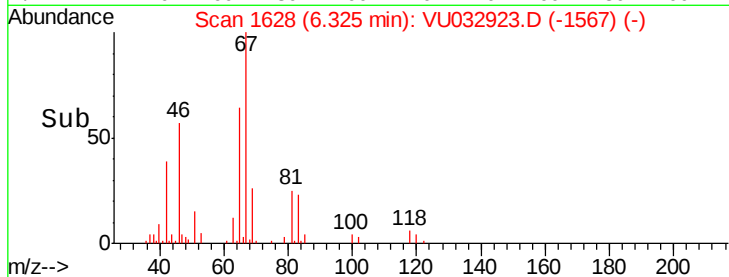
1000

500

0

6.25 6.30 6.35 6.40

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.233 ug/L

RT: 8.22 min Scan# 2217

Delta R.T. 0.16 min

Lab File: VU032923.D

Acq: 21 Jun 2019 00:28

Tgt Ion: 97 Resp: 1113

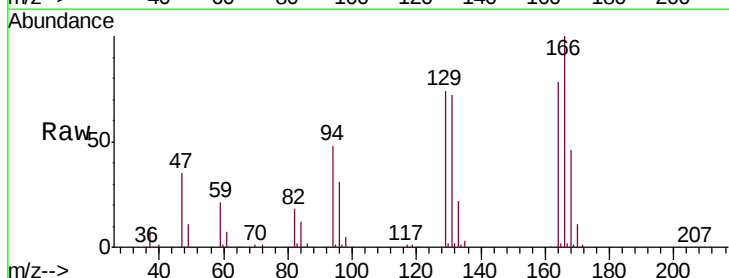
Ion Ratio Lower Upper

97 100

99 0.0 44.9 83.3#

83 192.8 58.7 108.9#

85 31.3 37.9 70.5#



Abundance Ion 96.95 (96.65 to 97.65): VU032923.D (-2075) (-)

Ion 99.05 (98.75 to 99.75): VU032923.D (-2075) (-)

Ion 82.95 (82.65 to 83.65): VU032923.D (-2075) (-)

Ion 85.00 (84.70 to 85.70): VU032923.D (-2075) (-)

2000

1500

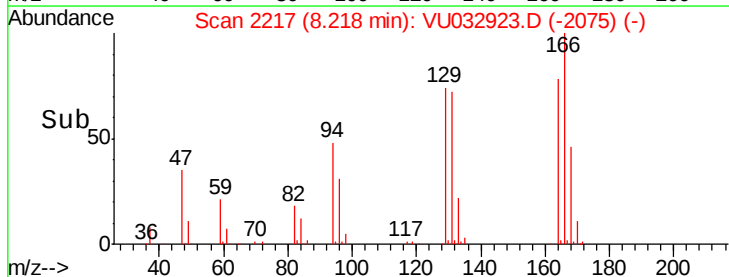
1000

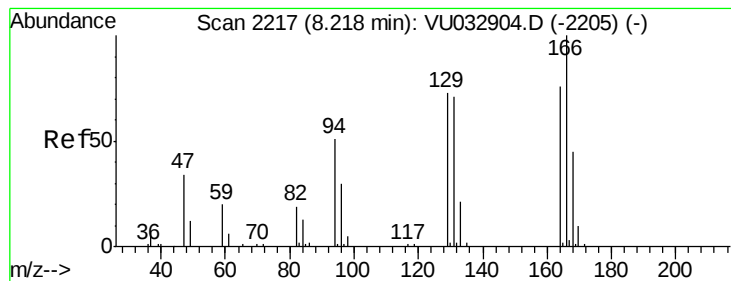
500

0

8.20 8.25

Time-->





#47

Tetrachloroethene

Concen: 18.838 ug/L

RT: 8.22 min Scan# 2217

Delta R.T. 0.00 min

Lab File: VU032923.D

Acq: 21 Jun 2019 00:28

Instrument :

MSVOA_U

ClientSampleId :

GALG1

Tgt Ion:164 Resp: 108356

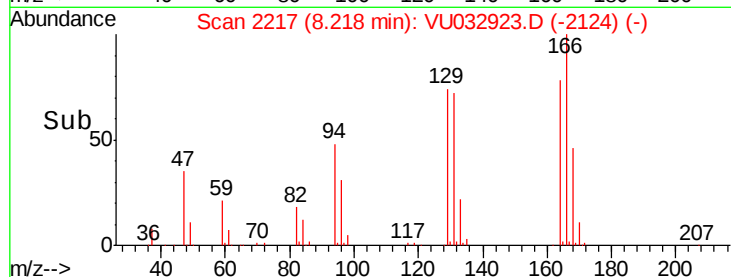
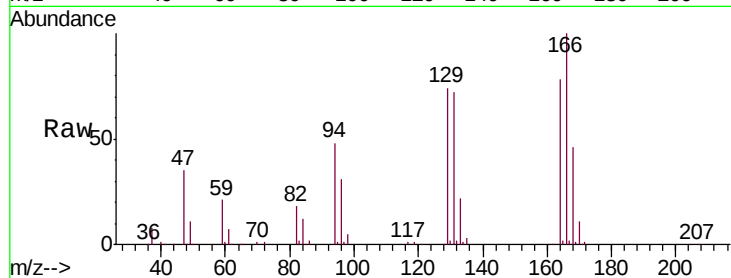
Ion Ratio Lower Upper

164 100

129 94.2 66.1 122.7

131 91.9 65.6 121.8

166 127.5 93.2 173.2

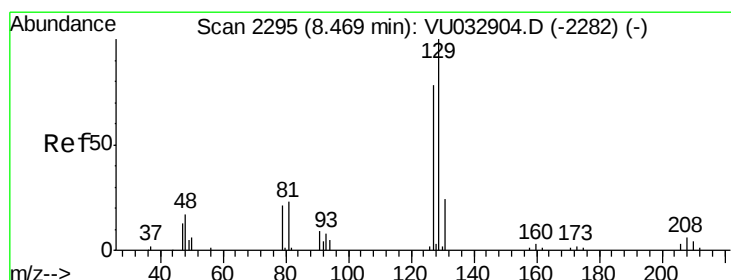
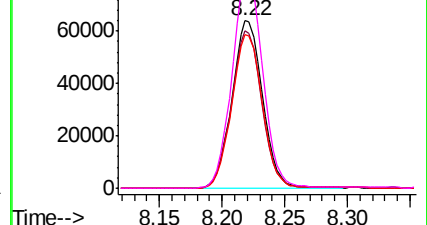


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#49

Dibromochloromethane

Concen: 16.404 ug/L

RT: 8.22 min Scan# 2217

Delta R.T. -0.25 min

Lab File: VU032923.D

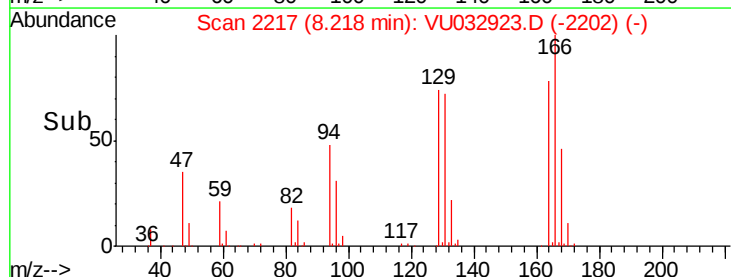
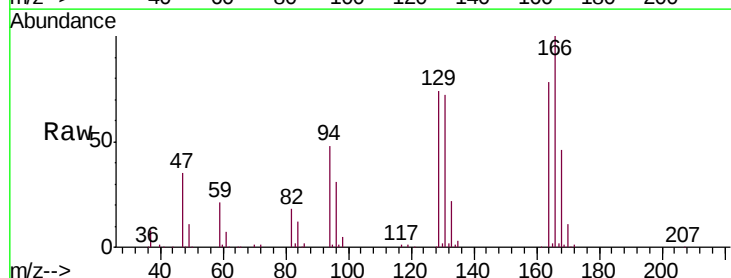
Acq: 21 Jun 2019 00:28

Tgt Ion:129 Resp: 100363

Ion Ratio Lower Upper

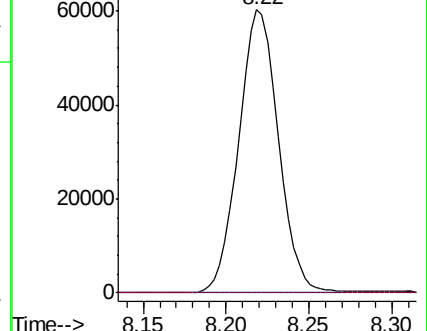
129 100

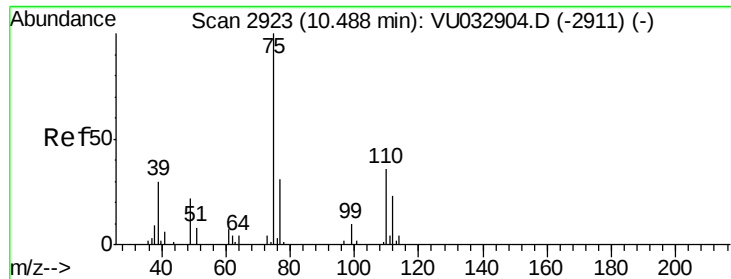
127 0.0 53.3 98.9#



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: 1.288 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032923.D

Acq: 21 Jun 2019 00:28

Instrument :

MSVOA_U

ClientSampleId :

GALG1

Tgt Ion: 75 Resp: 5559

Ion Ratio Lower Upper

75 100

77 39.9 25.3 37.9#

