

Data File : VU033169.D
Acq On : 03 Jul 2019 13:39
Operator : JC/SP
Sample : K3598-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAM81

Quant Time: Jul 04 01:23:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 04 01:20:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	85677	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	87363	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	39519	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	38899	7.84	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	156.80%#
7) Chloroethane-d5	1.68	69	30109	6.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	132.80%#
11) 1,1-Dichloroethene-d2	2.27	63	55190	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.40%
20) 2-Butanone-d5	4.19	46	99129	54.90	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.80%
24) Chloroform-d	4.64	84	66127	5.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.60%
26) 1,2-Dichloroethane-d4	5.30	65	38754	5.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.40%
32) Benzene-d6	5.33	84	125919	6.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	120.20%
36) 1,2-Dichloropropane-d6	6.32	67	39783	5.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	114.00%
41) Toluene-d8	7.56	98	106955	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.00%
43) trans-1,3-Dichloropropene-	7.85	79	14017	4.67	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.40%
46) 2-Hexanone-d5	8.31	63	63813	51.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.22%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	32514	5.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.20%
64) 1,2-Dichlorobenzene-d4	11.85	152	41984	5.90	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	118.00%

Target Compounds

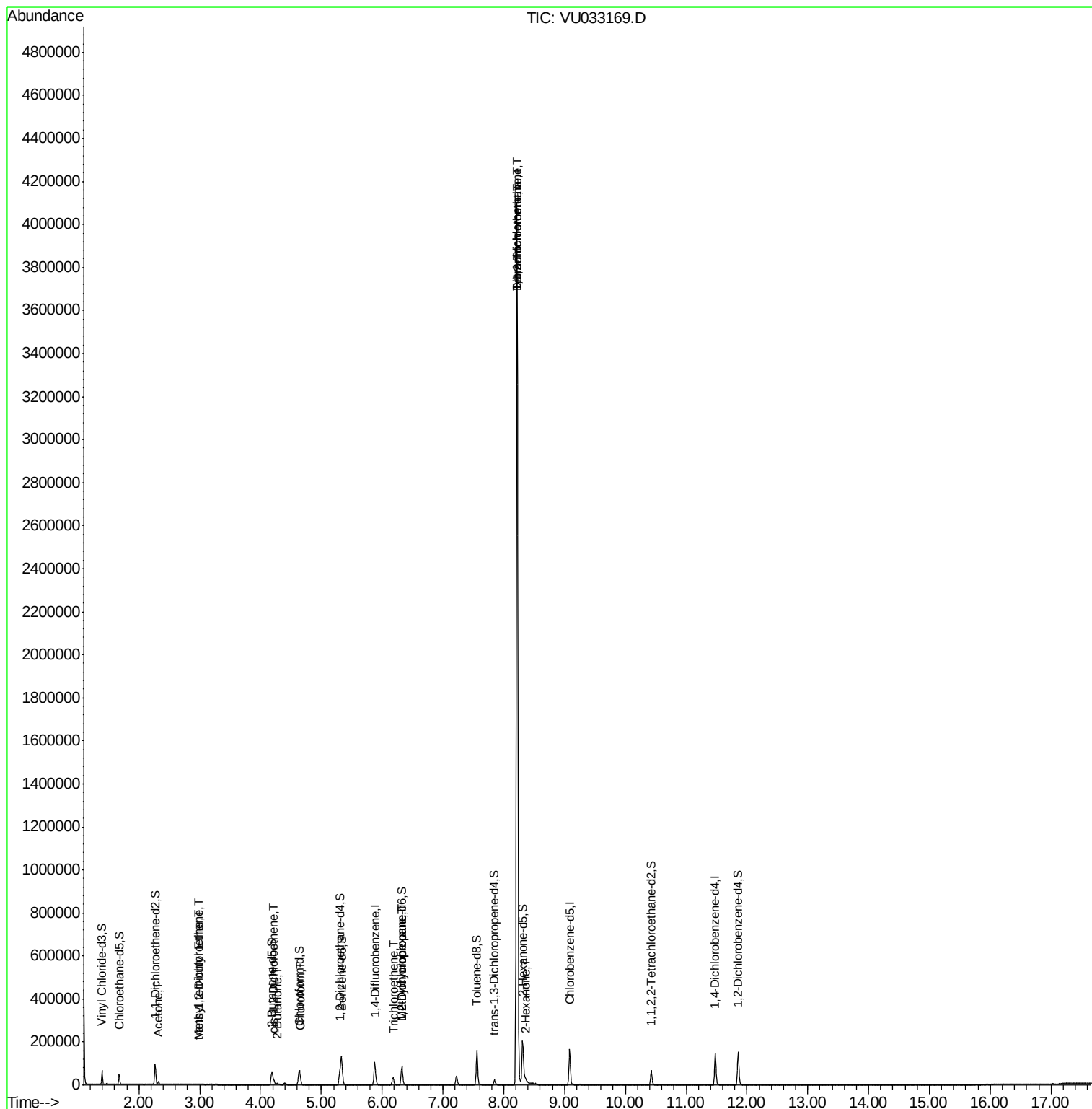
					Qvalue
13) Acetone	2.32	43	14146	9.746 ug/L	96
17) Methyl tert-butyl Ether	3.00	73	1839	0.114 ug/L	98
18) trans-1,2-Dichloroethene	2.98	96	335	0.054 ug/L	86
21) 2-Butanone	4.28	43	8217	3.914 ug/L	99
22) cis-1,2-Dichloroethene	4.22	96	2445	0.359 ug/L	88
25) Chloroform	4.66	83	2133	0.156 ug/L	89
34) Trichloroethene	6.18	95	11687	1.664 ug/L	94
35) Methylcyclohexane	6.32	83	9246	0.885 ug/L #	18
37) 1,2-Dichloropropane	6.32	63	4956	0.700 ug/L #	88
45) 1,1,2-Trichloroethane	8.22	97	7895	1.590 ug/L #	16
47) Tetrachloroethene	8.22	164	845460	144.916 ug/L	96
48) 2-Hexanone	8.36	43	9091	2.549 ug/L #	89
49) Dibromochloromethane	8.22	129	807773	130.018 ug/L #	13

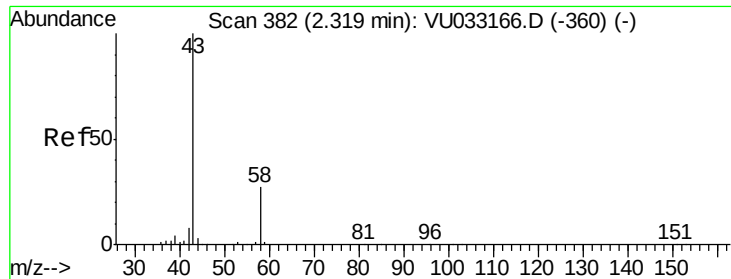
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 9.746 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU033169.D

Acq: 03 Jul 2019 13:39

Instrument :

MSVOA_U

ClientSampleId :

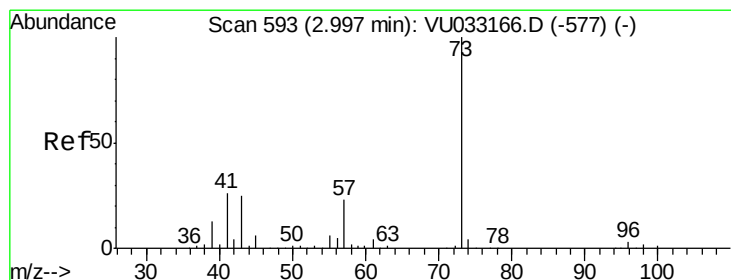
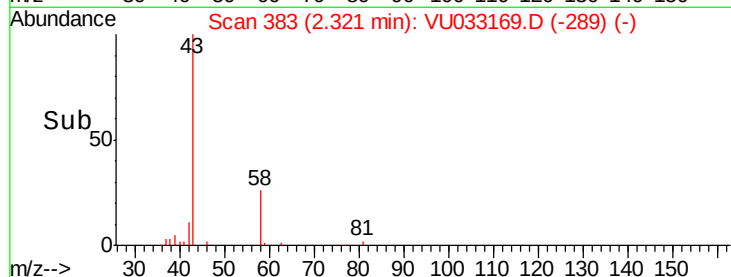
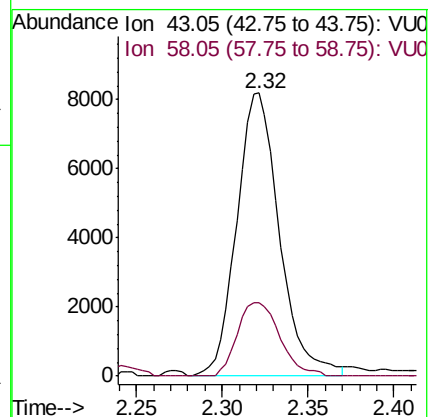
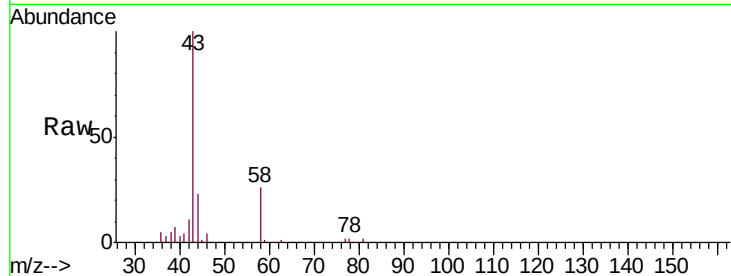
GAM81

Tgt Ion: 43 Resp: 14146

Ion Ratio Lower Upper

43 100

58 25.8 0.0 55.4



#17

Methyl tert-butyl Ether

Concen: 0.114 ug/L

RT: 3.00 min Scan# 593

Delta R.T. -0.00 min

Lab File: VU033169.D

Acq: 03 Jul 2019 13:39

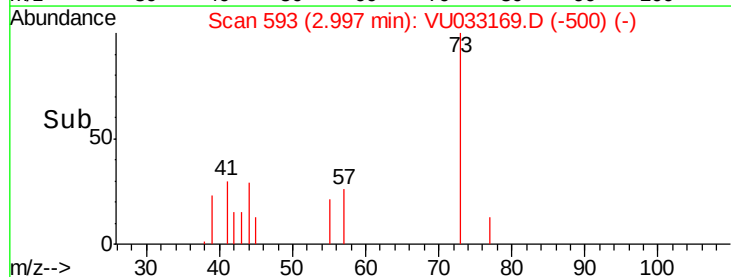
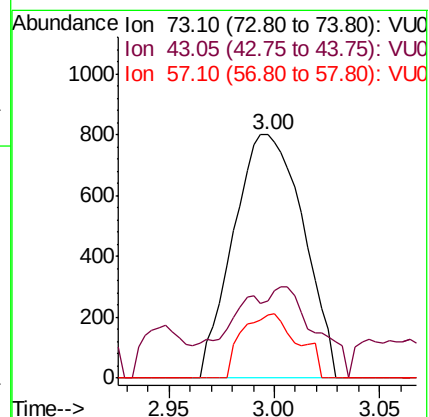
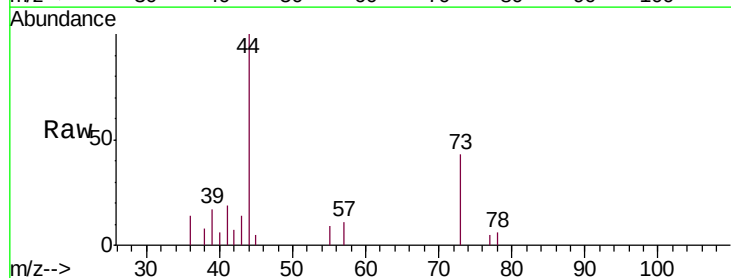
Tgt Ion: 73 Resp: 1839

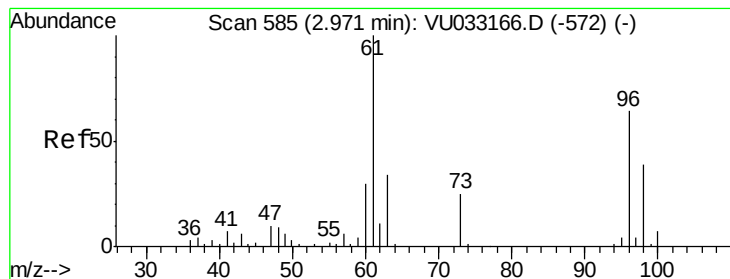
Ion Ratio Lower Upper

73 100

43 25.7 20.6 30.8

57 21.1 18.3 27.5





#18

trans-1,2-Dichloroethene

Concen: 0.054 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.01 min

Lab File: VU033169.D

Acq: 03 Jul 2019 13:39

Instrument :

MSVOA_U

ClientSampleId :

GAM81

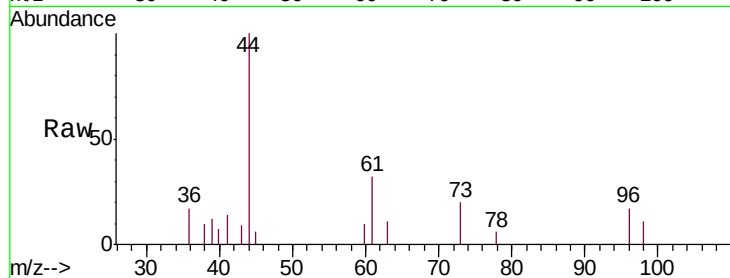
Tgt Ion: 96 Resp: 335

Ion Ratio Lower Upper

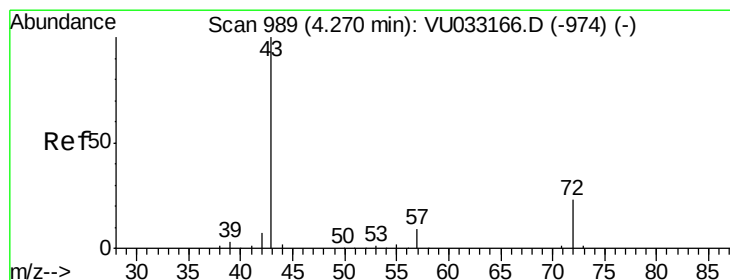
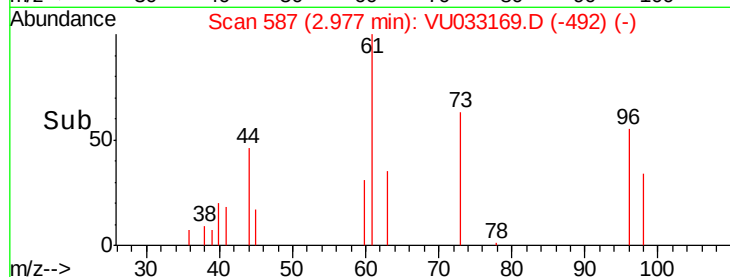
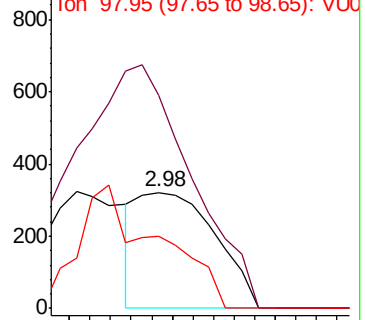
96 100

61 183.2 111.3 206.7

98 62.0 44.0 81.8



Abundance Ion 96.00 (95.70 to 96.70): VU033169.D (-492) (-)



#21

2-Butanone

Concen: 3.914 ug/L

RT: 4.28 min Scan# 992

Delta R.T. 0.01 min

Lab File: VU033169.D

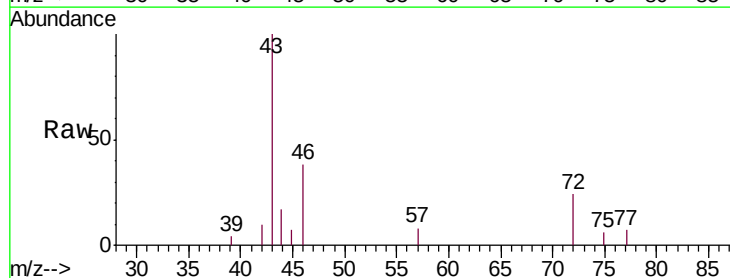
Acq: 03 Jul 2019 13:39

Tgt Ion: 43 Resp: 8217

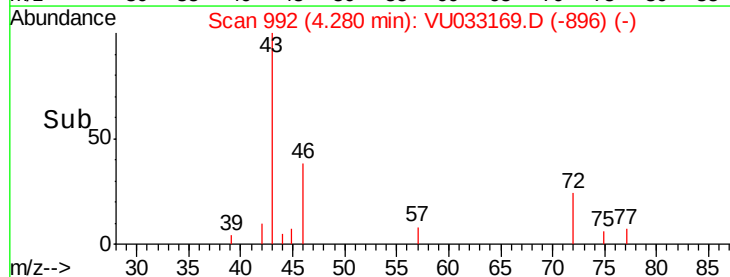
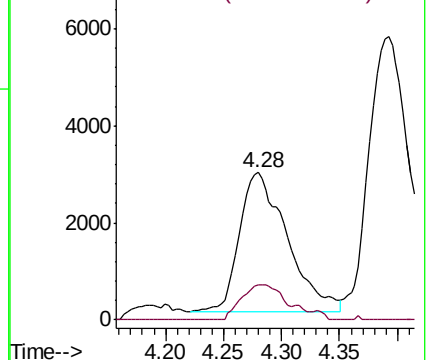
Ion Ratio Lower Upper

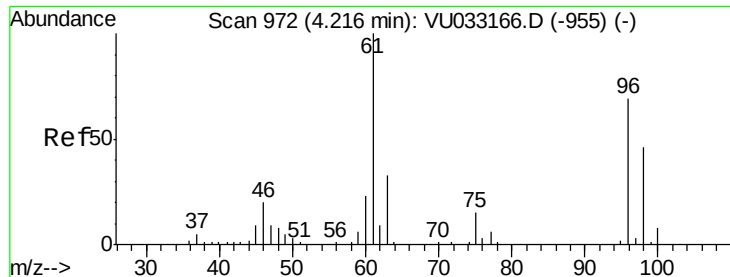
43 100

72 24.0 12.1 36.3



Abundance Ion 43.05 (42.75 to 43.75): VU033169.D (-896) (-)



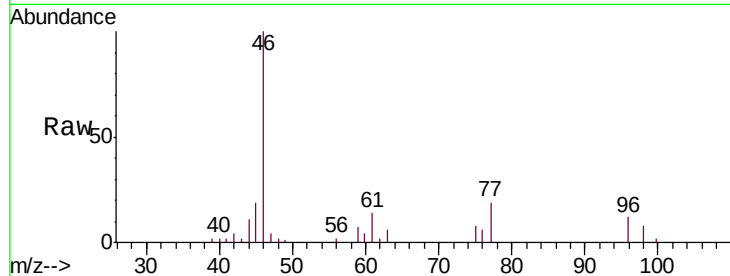


#22

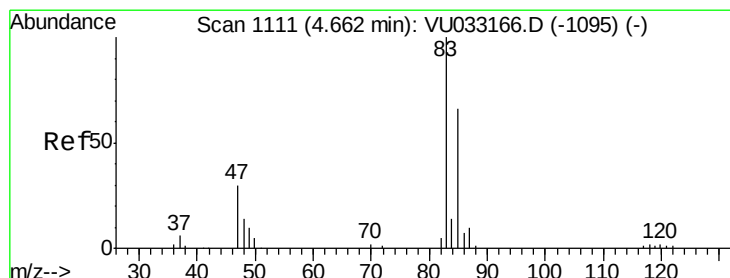
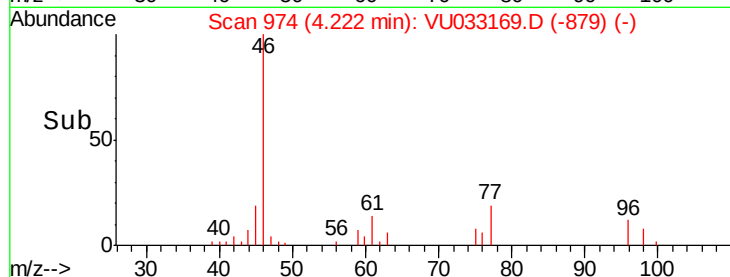
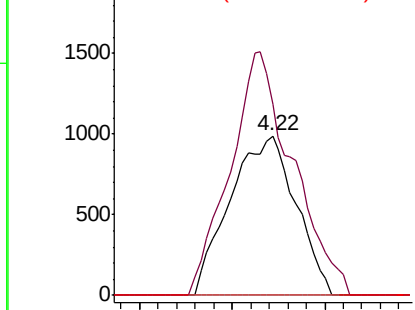
cis-1,2-Dichloroethene
 Concen: 0.359 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.01 min
 Lab File: VU033169.D
 Acq: 03 Jul 2019 13:39

Instrument :
 MSVOA_U
 ClientSampleId :
 GAM81

Tgt Ion: 96 Resp: 2445
 Ion Ratio Lower Upper
 96 100
 61 119.9 93.9 174.5
 68 0.0 0.0 0.0



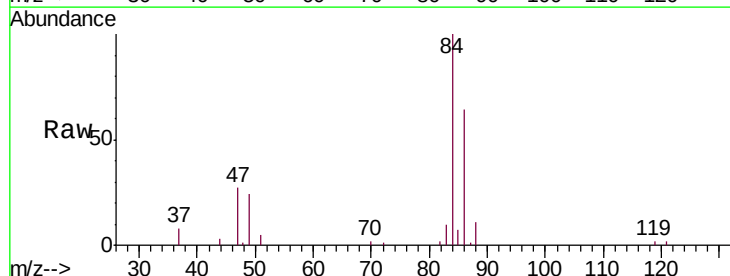
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



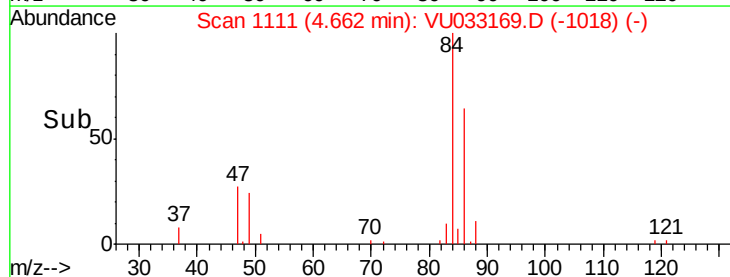
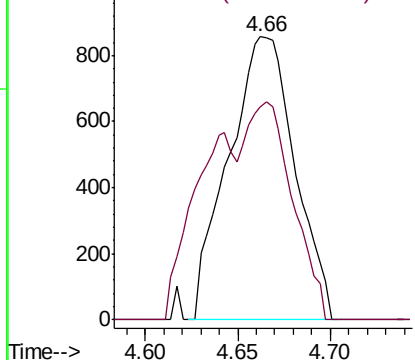
#25

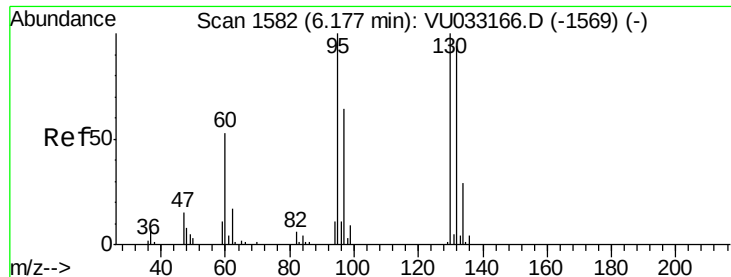
Chloroform
 Concen: 0.156 ug/L
 RT: 4.66 min Scan# 1111
 Delta R.T. -0.00 min
 Lab File: VU033169.D
 Acq: 03 Jul 2019 13:39

Tgt Ion: 83 Resp: 2133
 Ion Ratio Lower Upper
 83 100
 85 75.4 46.6 86.6



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#34

Trichloroethene

Concen: 1.664 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU033169.D

Acq: 03 Jul 2019 13:39

Instrument :

MSVOA_U

ClientSampleId :

GAM81

Tgt Ion: 95 Resp: 11687

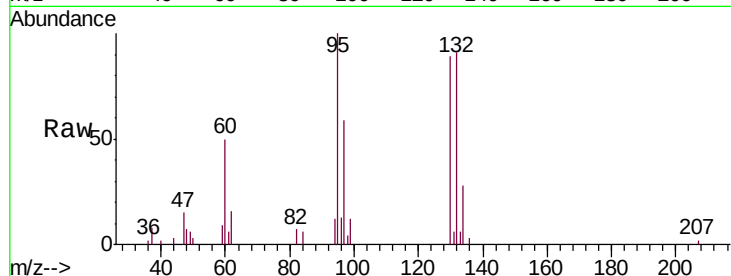
Ion Ratio Lower Upper

95 100

97 58.5 42.8 79.4

132 90.6 64.6 120.0

130 88.6 70.0 130.0

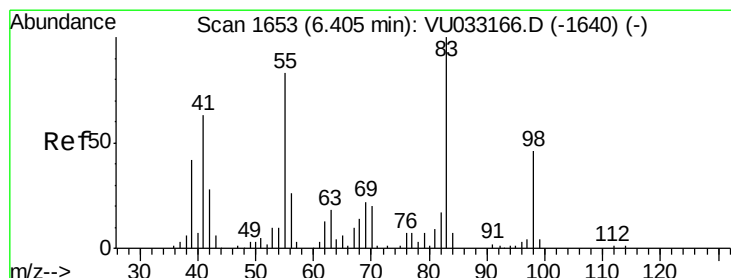
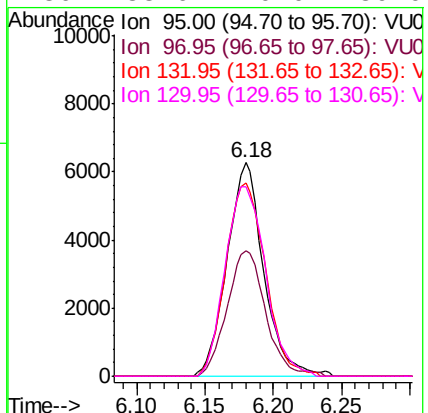
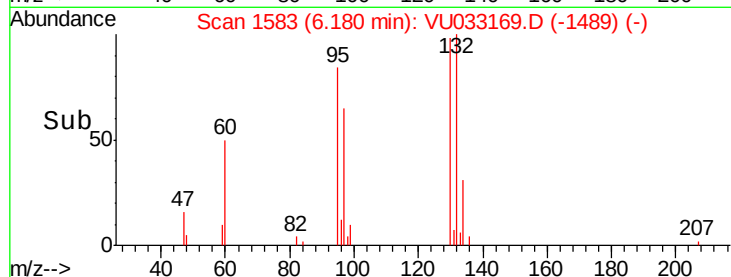


Abundance Ion 95.00 (94.70 to 95.70): VU033166.D (-1569) (-)

Ion 96.95 (96.65 to 97.65): VU033166.D (-1569) (-)

Ion 131.95 (131.65 to 132.65): VU033166.D (-1569) (-)

Ion 129.95 (129.65 to 130.65): VU033166.D (-1569) (-)



#35

Methylcyclohexane

Concen: 0.885 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU033169.D

Acq: 03 Jul 2019 13:39

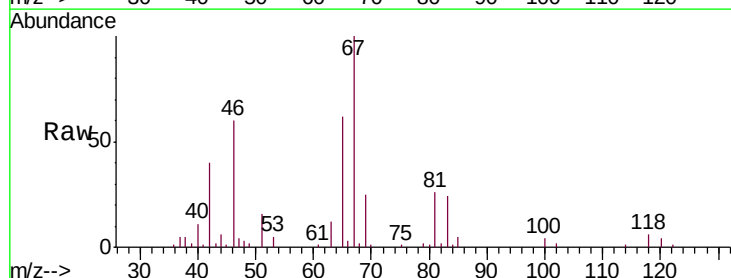
Tgt Ion: 83 Resp: 9246

Ion Ratio Lower Upper

83 100

55 0.0 66.5 99.7#

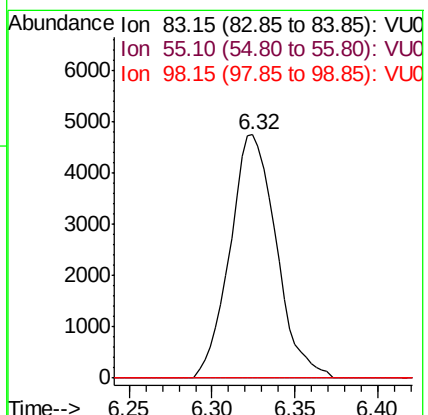
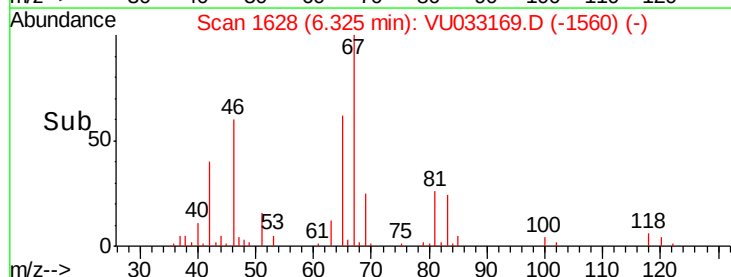
98 4.9 37.1 55.7#

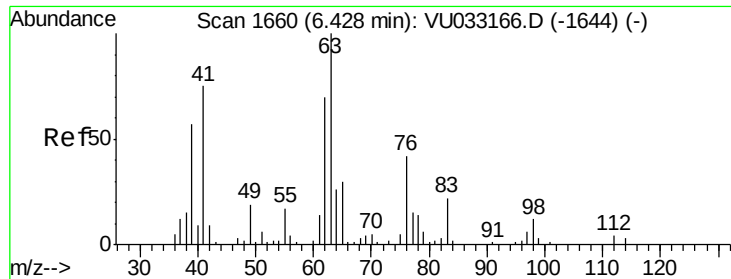


Abundance Ion 83.15 (82.85 to 83.85): VU033166.D (-1640) (-)

Ion 55.10 (54.80 to 55.80): VU033166.D (-1640) (-)

Ion 98.15 (97.85 to 98.85): VU033166.D (-1640) (-)

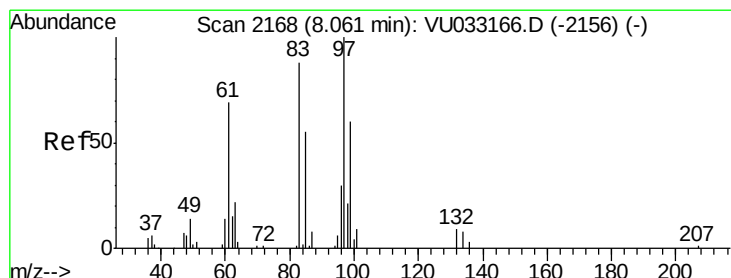
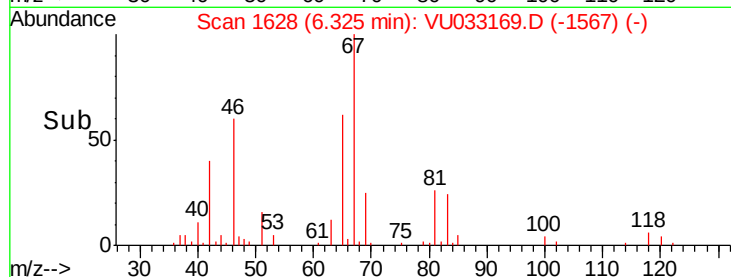
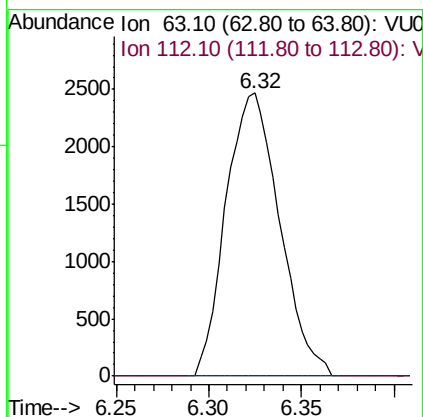
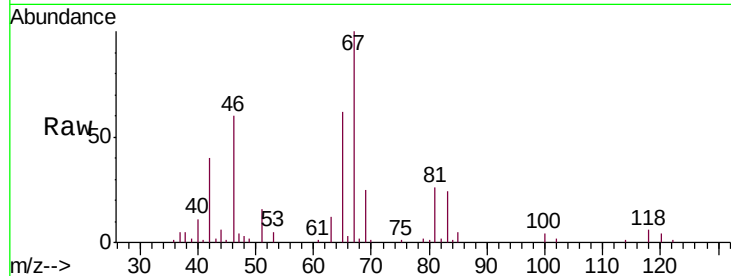




#37
 1,2-Dichloropropane
 Concen: 0.700 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.10 min
 Lab File: VU033169.D
 Acq: 03 Jul 2019 13:39

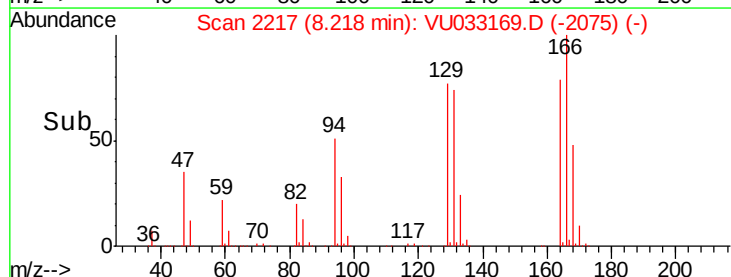
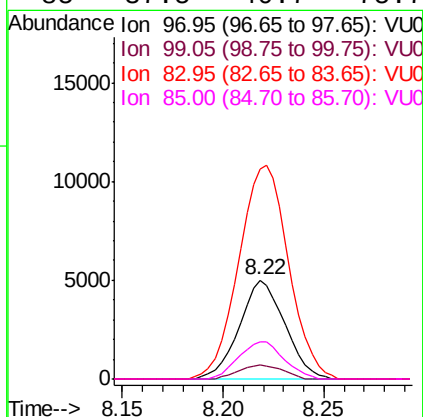
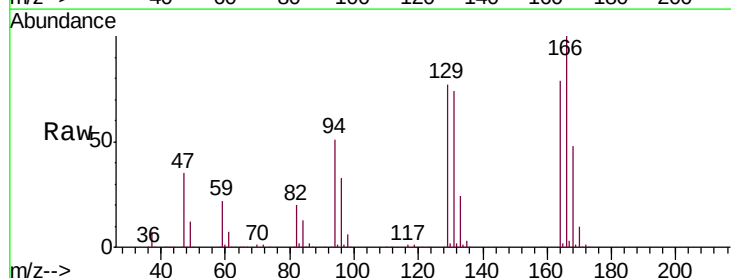
Instrument :
 MSVOA_U
 ClientSampleId :
 GAM81

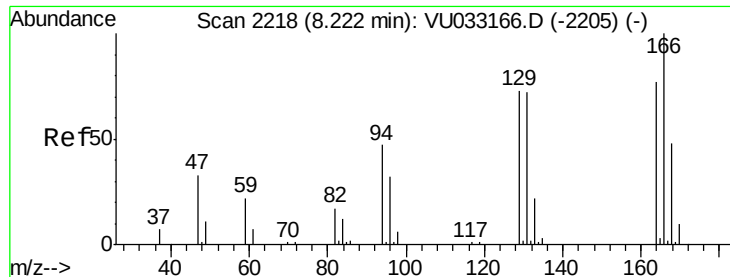
Tgt Ion: 63 Resp: 4956
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#45
 1,1,2-Trichloroethane
 Concen: 1.590 ug/L
 RT: 8.22 min Scan# 2217
 Delta R.T. 0.16 min
 Lab File: VU033169.D
 Acq: 03 Jul 2019 13:39

Tgt Ion: 97 Resp: 7895
 Ion Ratio Lower Upper
 97 100
 99 13.7 43.5 80.7#
 83 212.9 60.8 112.8#
 85 37.5 40.7 75.7#





#47

Tetrachloroethene

Concen: 144.916 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU033169.D

Acq: 03 Jul 2019 13:39

Instrument :

MSVOA_U

ClientSampleId :

GAM81

Tgt Ion:164 Resp: 845460

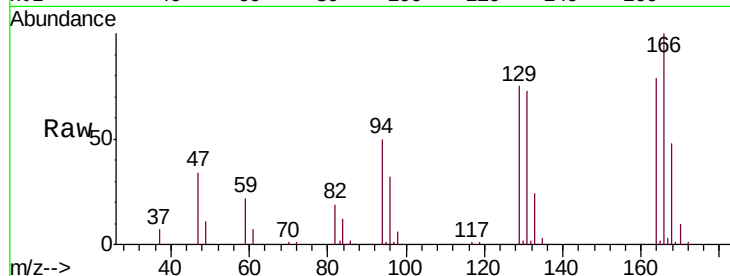
Ion Ratio Lower Upper

164 100

129 95.9 65.3 121.3

131 93.0 60.3 112.1

166 127.3 86.9 161.3

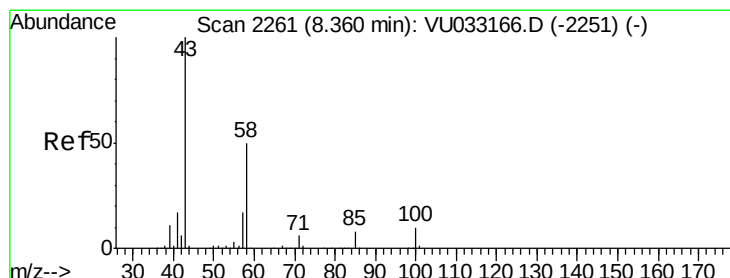
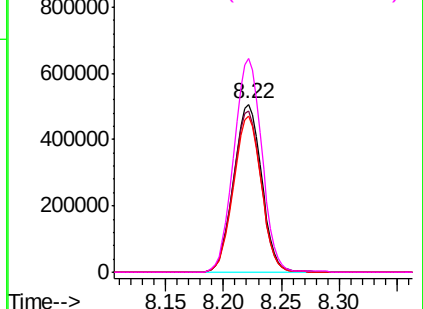
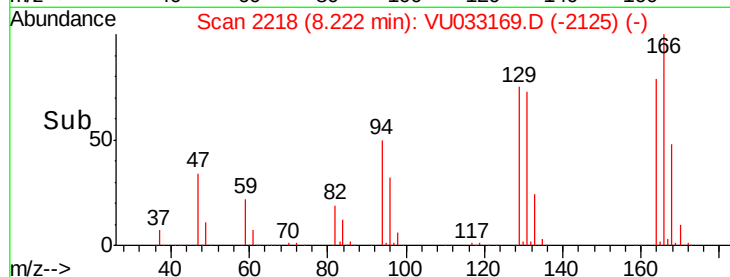


Abundance Ion 163.90 (163.60 to 164.60): V

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



#48

2-Hexanone

Concen: 2.549 ug/L

RT: 8.36 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VU033169.D

Acq: 03 Jul 2019 13:39

Tgt Ion: 43 Resp: 9091

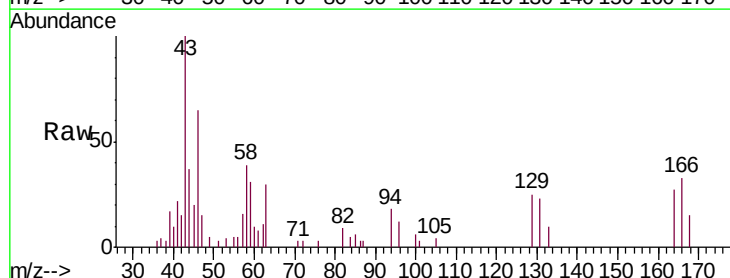
Ion Ratio Lower Upper

43 100

58 40.6 39.0 58.6

57 15.2 13.9 20.9

100 6.0 8.6 12.8#

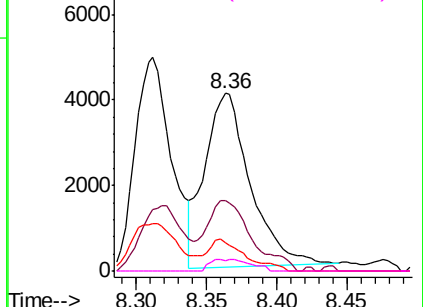
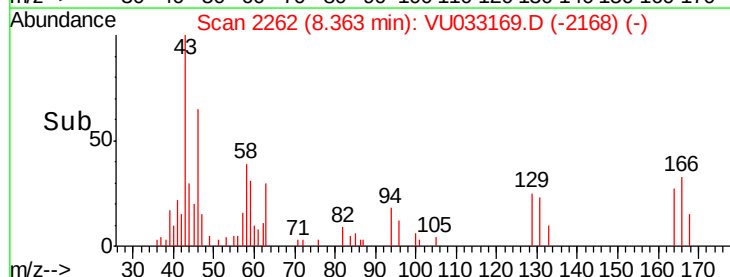


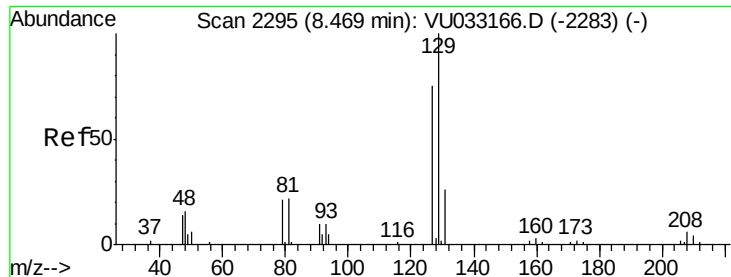
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 130.018 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.25 min

Lab File: VU033169.D

Acq: 03 Jul 2019 13:39

Instrument :

MSVOA_U

ClientSampleId :

GAM81

Tgt Ion:129 Resp: 807773

Ion Ratio Lower Upper

129 100

127 0.0 51.6 95.8#

