

Data File : VU033354.D
Acq On : 20 Jul 2019 01:56
Operator : JC/SP
Sample : K3890-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
A52J2MS

Quant Time: Jul 20 05:25:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR071619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jul 20 05:21:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	108377	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	111559	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	48578	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	40715	3.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.60%
7) Chloroethane-d5	1.67	69	40371	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.80%
11) 1,1-Dichloroethene-d2	2.26	63	95595	4.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.60%
20) 2-Butanone-d5	4.17	46	112934	54.91	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.82%
24) Chloroform-d	4.62	84	70432	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
26) 1,2-Dichloroethane-d4	5.29	65	42470	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.60%
32) Benzene-d6	5.32	84	134419	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.60%
36) 1,2-Dichloropropane-d6	6.31	67	46955	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.00%
41) Toluene-d8	7.55	98	114392	3.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.80%
43) trans-1,3-Dichloropropene-	7.84	79	17216	4.35	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.00%
46) 2-Hexanone-d5	8.30	63	84641	52.01	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.02%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	40942	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.60%
64) 1,2-Dichlorobenzene-d4	11.85	152	44096	4.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.20%

Target Compounds

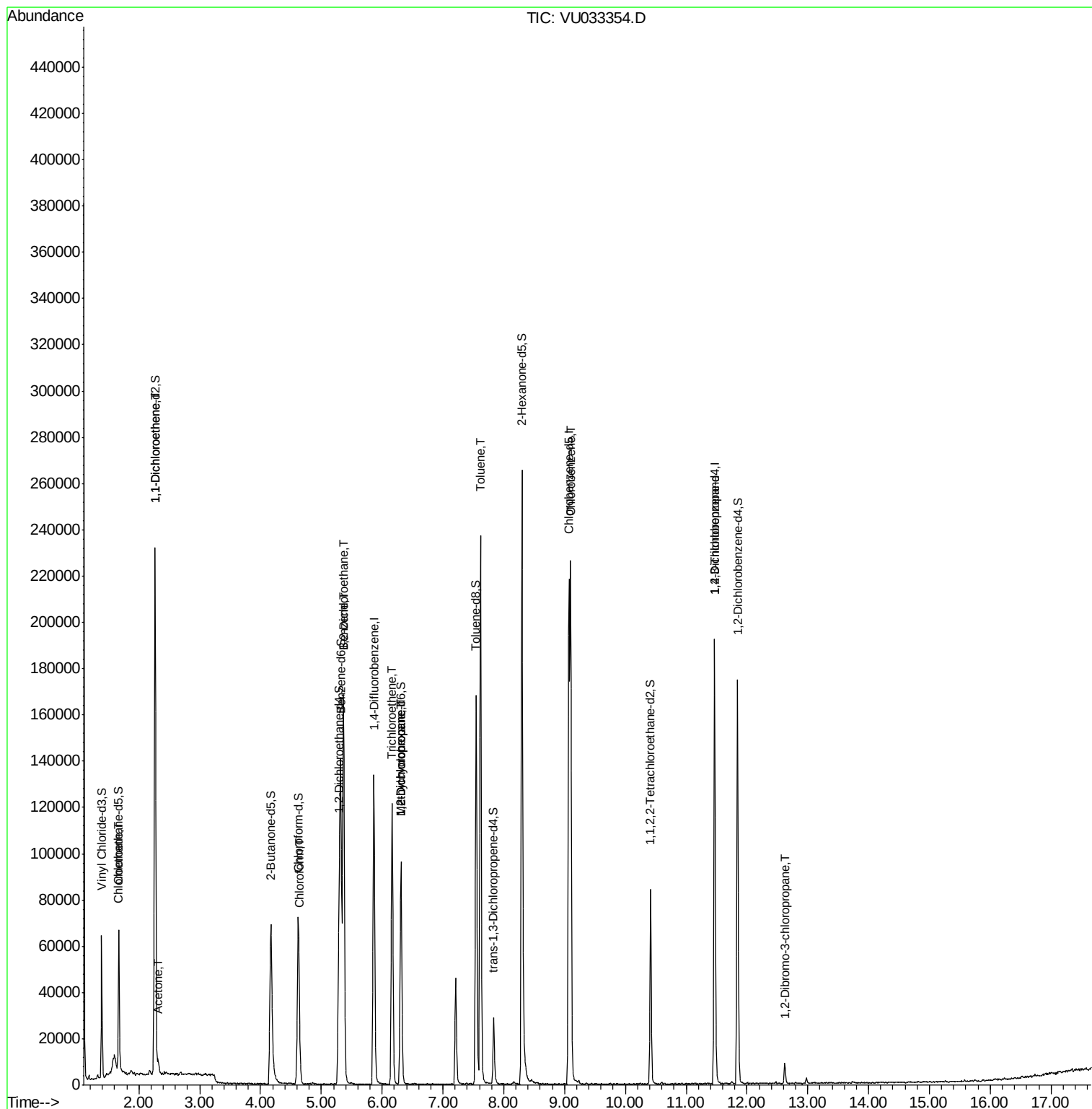
					Qvalue
8) Chloroethane	1.66	64	624	0.084 ug/L #	61
12) 1,1-Dichloroethene	2.27	96	45916	5.157 ug/L	92
13) Acetone	2.32	43	6515	3.618 ug/L	94
25) Chloroform	4.64	83	3132	0.191 ug/L	100
27) 1,2-Dichloroethane	5.36	62	1566	0.161 ug/L #	77
33) Benzene	5.36	78	162929	5.157 ug/L	100
34) Trichloroethene	6.16	95	42425	5.075 ug/L	97
35) Methylcyclohexane	6.31	83	10527	0.836 ug/L #	18
37) 1,2-Dichloropropane	6.31	63	5143	0.602 ug/L #	88
42) Toluene	7.62	91	171748	5.064 ug/L	99
51) Chlorobenzene	9.10	112	114465	5.142 ug/L	99
59) 1,2,3-Trichloropropane	11.47	75	6868	1.233 ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.62	75	1794	1.645 ug/L #	2

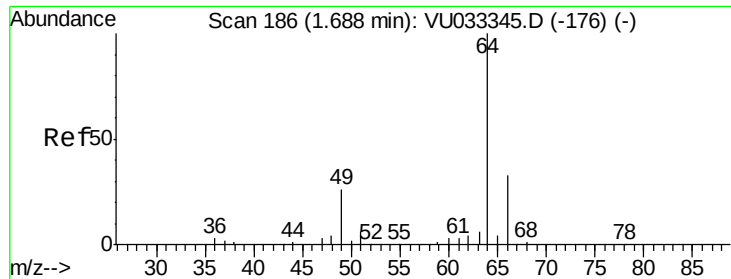
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.084 ug/L

RT: 1.66 min Scan# 176

Delta R.T. -0.03 min

Lab File: VU033354.D

Acq: 20 Jul 2019 01:56

Instrument :

MSVOA_U

ClientSampleId :

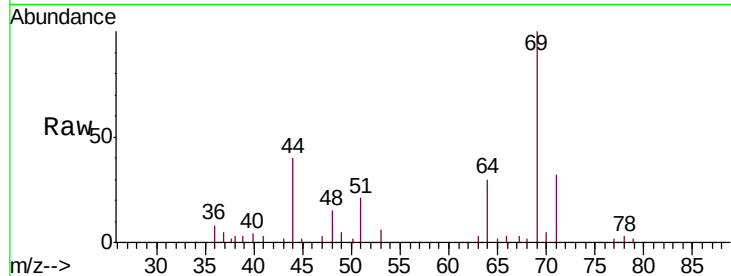
A52J2MS

Tgt Ion: 64 Resp: 624

Ion Ratio Lower Upper

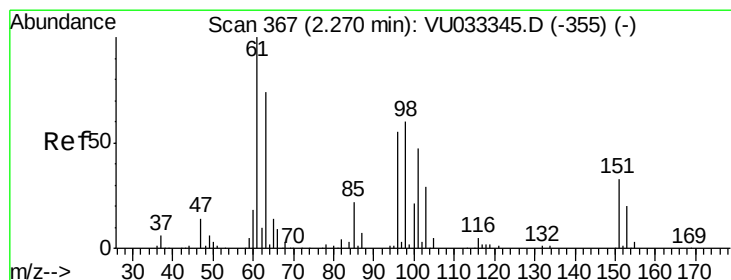
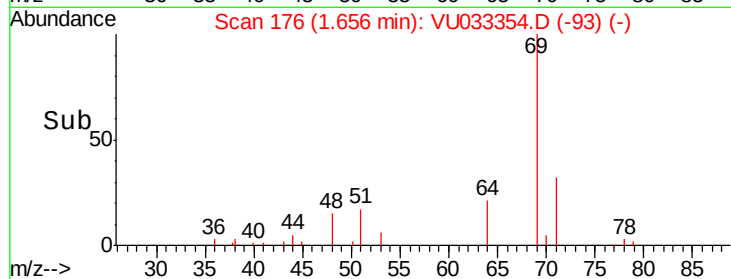
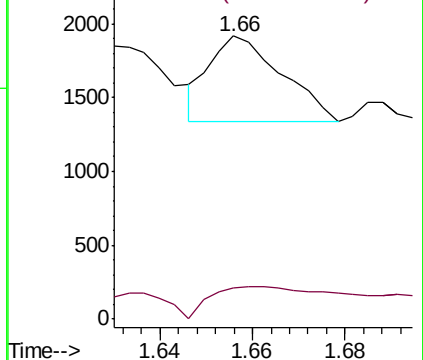
64 100

66 11.0 23.2 43.2#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#12

1,1-Dichloroethene

Concen: 5.157 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033354.D

Acq: 20 Jul 2019 01:56

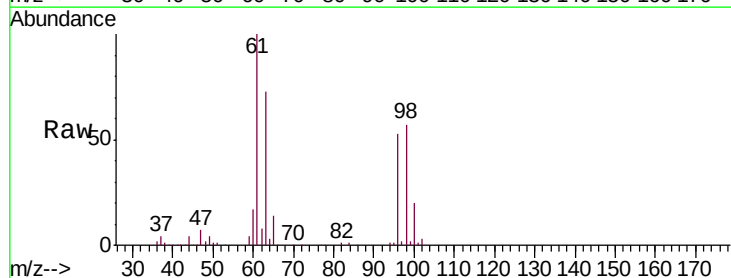
Tgt Ion: 96 Resp: 45916

Ion Ratio Lower Upper

96 100

61 189.4 129.3 240.1

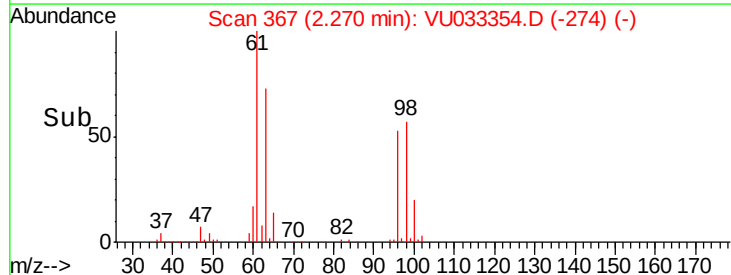
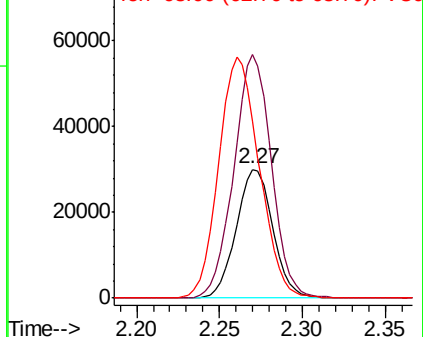
63 137.6 108.9 202.3

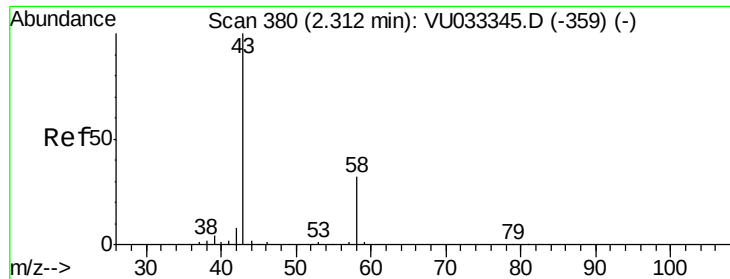


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 3.618 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VU033354.D

Acq: 20 Jul 2019 01:56

Instrument :

MSVOA_U

ClientSampleId :

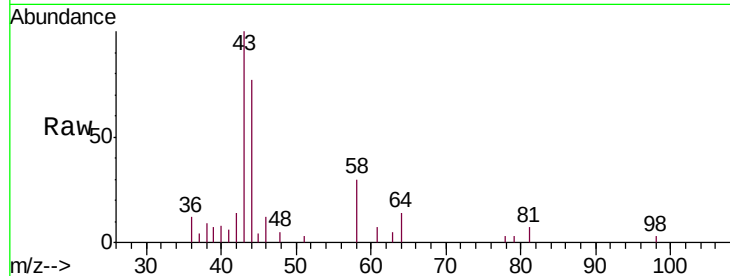
A52J2MS

Tgt Ion: 43 Resp: 6515

Ion Ratio Lower Upper

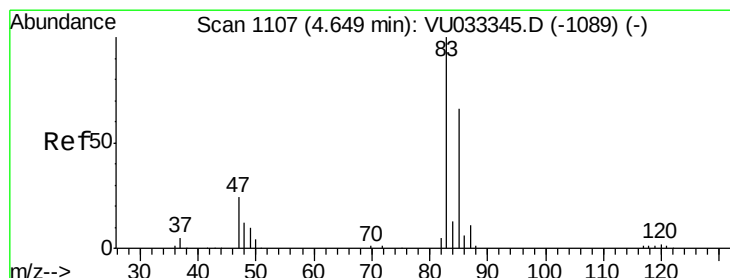
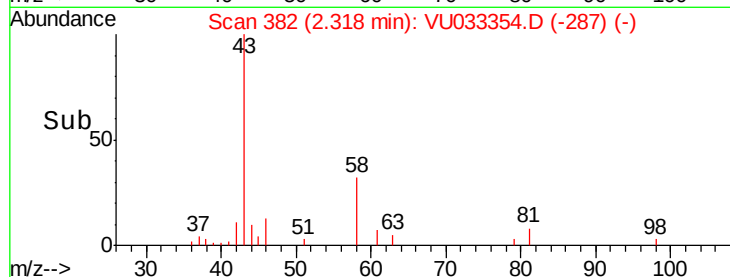
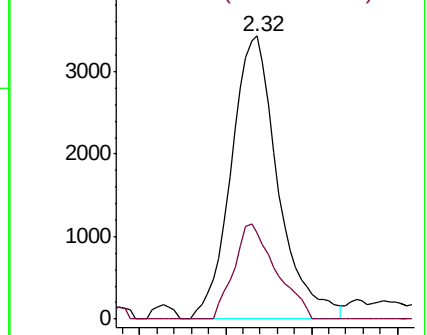
43 100

58 30.1 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#25

Chloroform

Concen: 0.191 ug/L

RT: 4.64 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VU033354.D

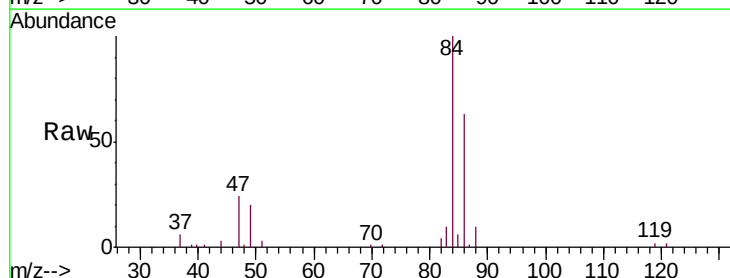
Acq: 20 Jul 2019 01:56

Tgt Ion: 83 Resp: 3132

Ion Ratio Lower Upper

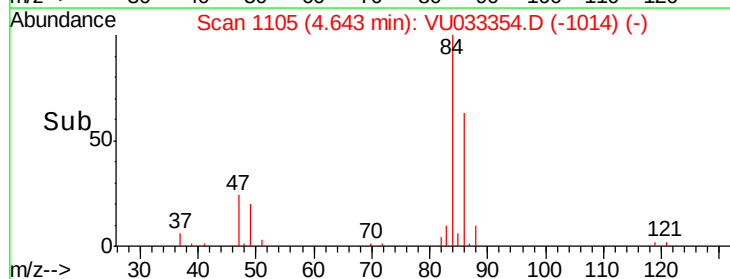
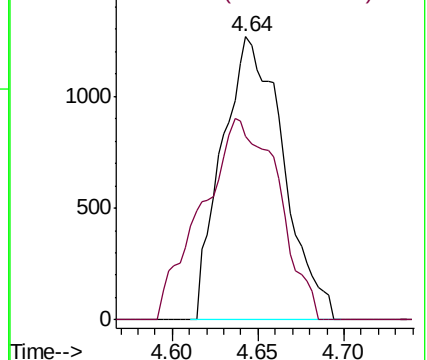
83 100

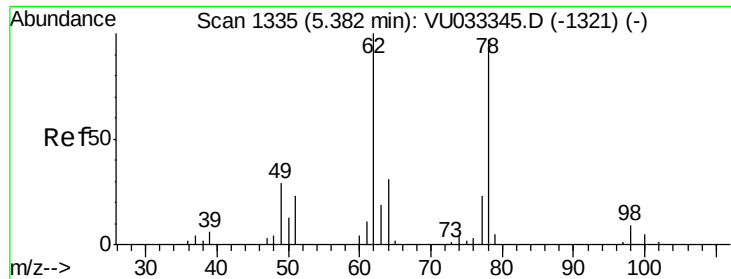
85 65.0 45.4 84.4



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

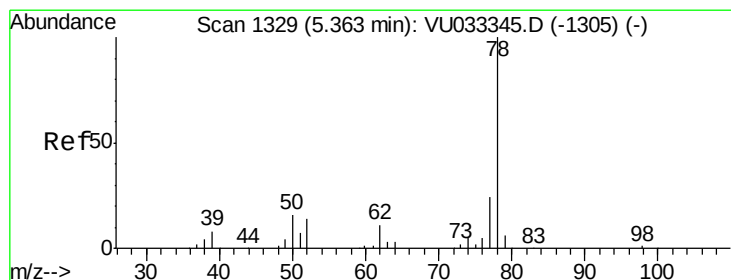
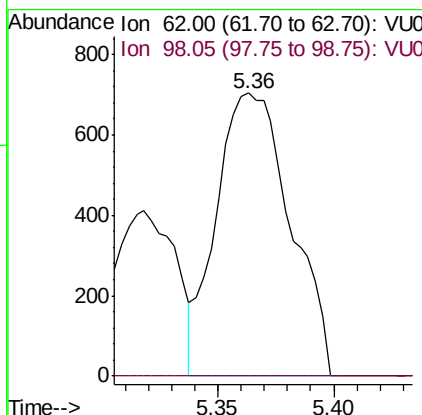
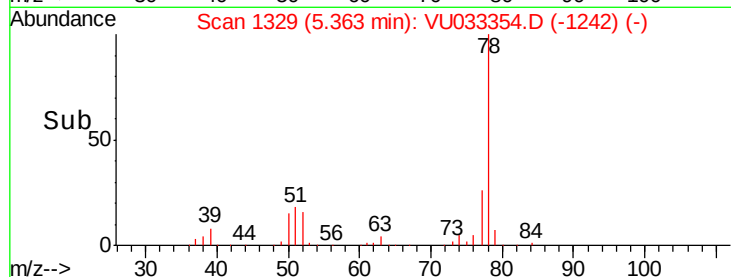
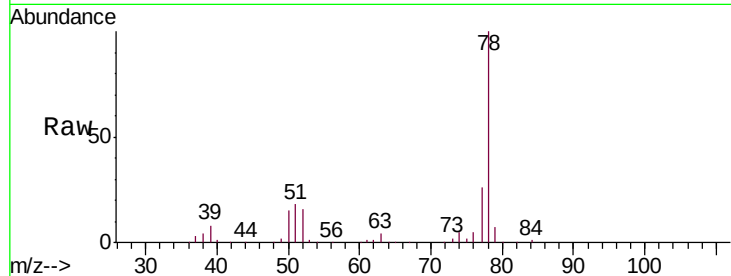




#27
 1,2-Dichloroethane
 Concen: 0.161 ug/L
 RT: 5.36 min Scan# 1329
 Delta R.T. -0.02 min
 Lab File: VU033354.D
 Acq: 20 Jul 2019 01:56

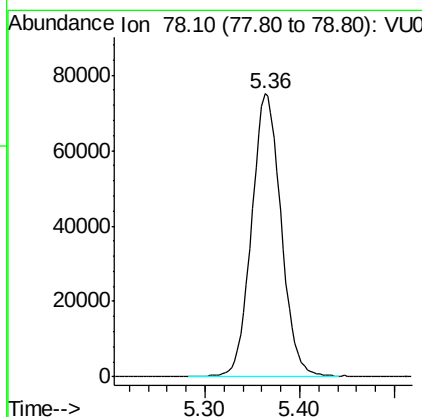
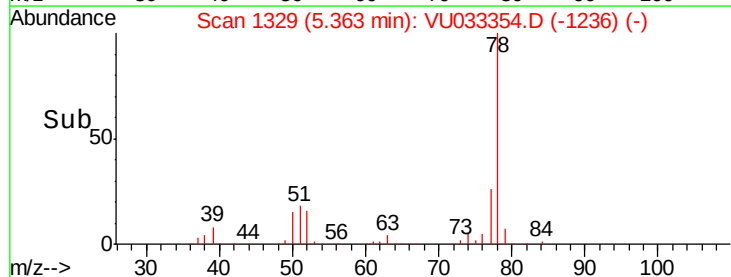
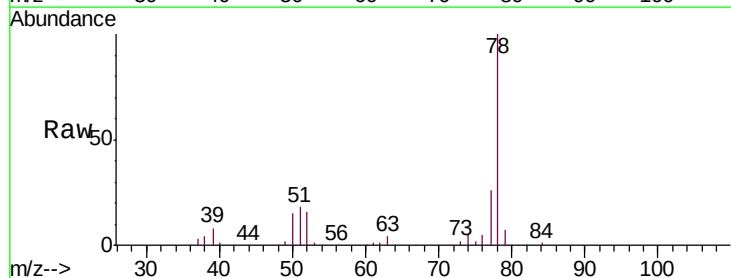
Instrument :
 MSVOA_U
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 A52J2MS

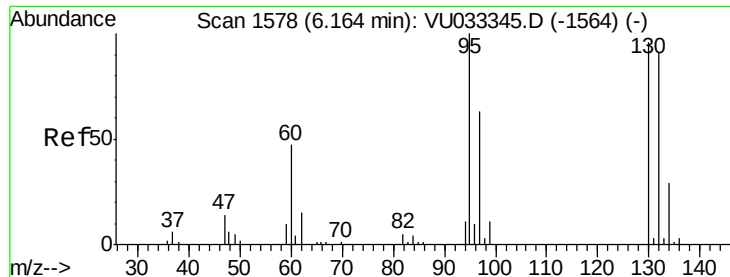
Tgt Ion: 62 Resp: 1566
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



#33
 Benzene
 Concen: 5.157 ug/L
 RT: 5.36 min Scan# 1329
 Delta R.T. 0.00 min
 Lab File: VU033354.D
 Acq: 20 Jul 2019 01:56

Tgt Ion: 78 Resp: 162929





#34

Trichloroethene

Concen: 5.075 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033354.D

Acq: 20 Jul 2019 01:56

Instrument :

MSVOA_U

ClientSampleId :

A52J2MS

Tgt Ion: 95 Resp: 42425

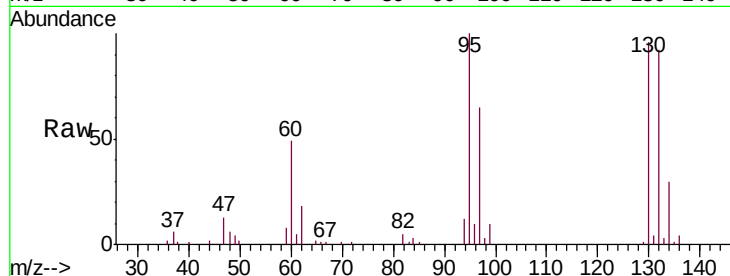
Ion Ratio Lower Upper

95 100

97 65.2 44.5 82.7

132 91.6 66.6 123.8

130 95.9 68.9 127.9

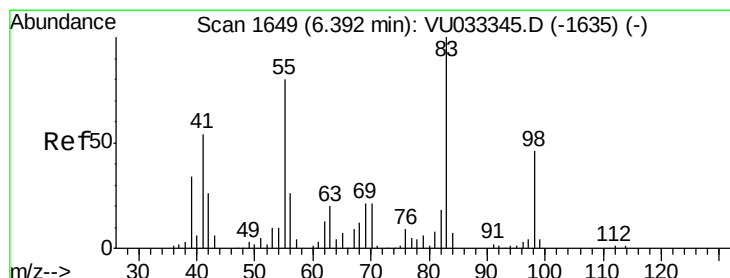
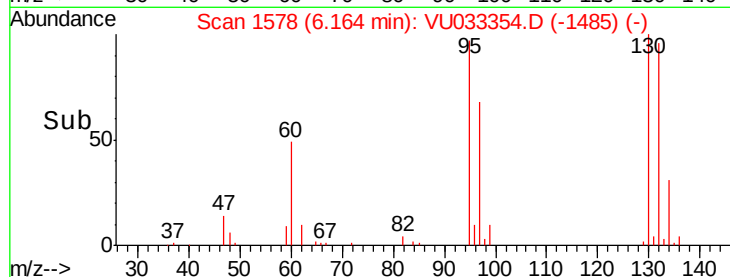
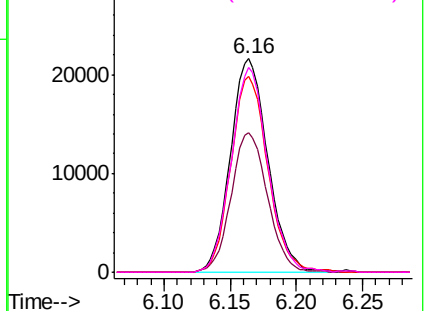


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.836 ug/L

RT: 6.31 min Scan# 1624

Delta R.T. -0.08 min

Lab File: VU033354.D

Acq: 20 Jul 2019 01:56

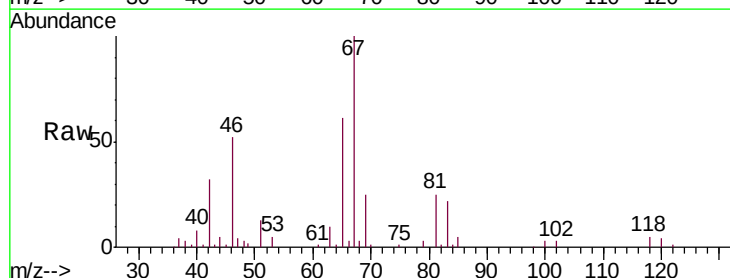
Tgt Ion: 83 Resp: 10527

Ion Ratio Lower Upper

83 100

55 0.0 62.6 94.0#

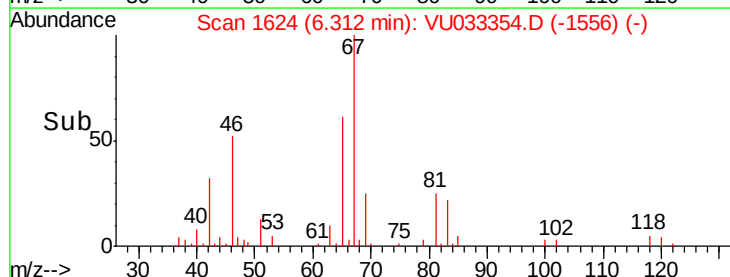
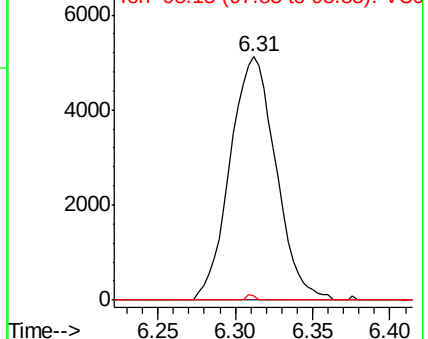
98 0.4 36.2 54.2#

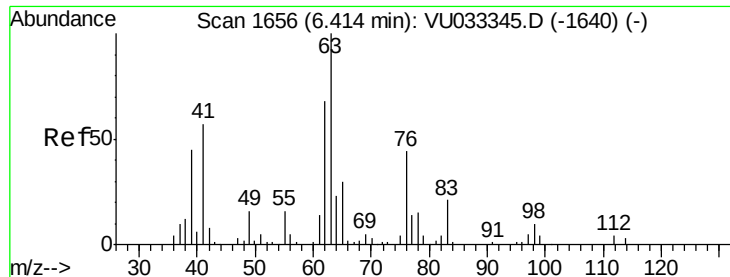


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

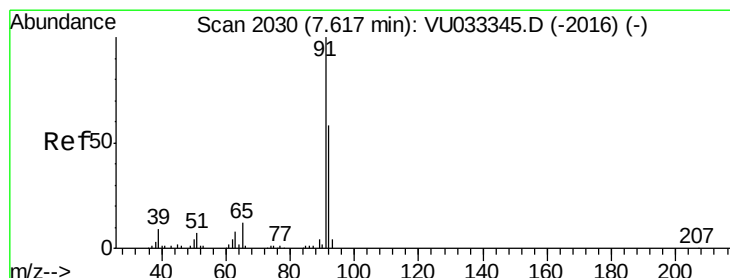
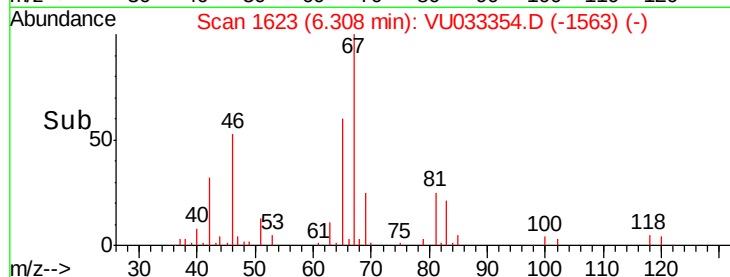
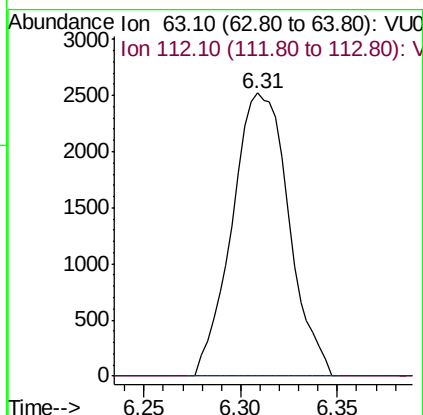
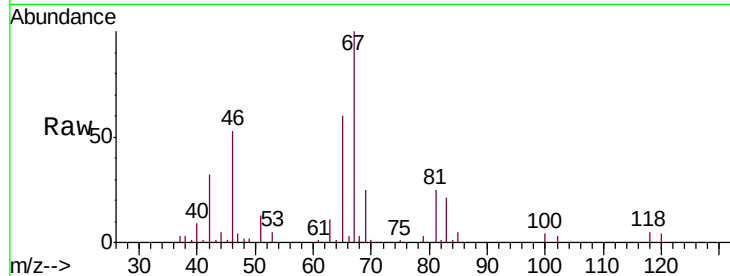




#37
 1,2-Dichloropropane
 Concen: 0.602 ug/L
 RT: 6.31 min Scan# 1623
 Delta R.T. -0.11 min
 Lab File: VU033354.D
 Acq: 20 Jul 2019 01:56

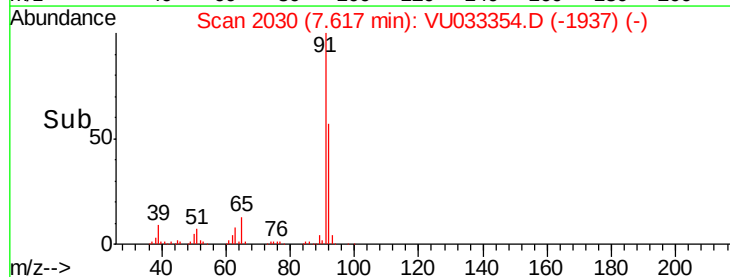
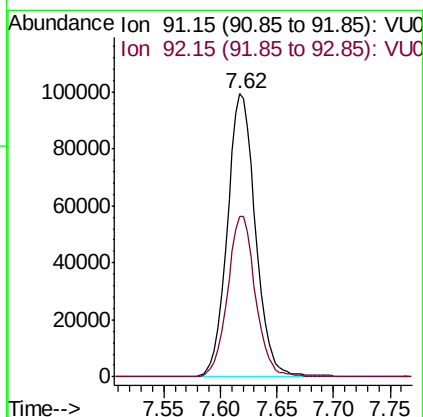
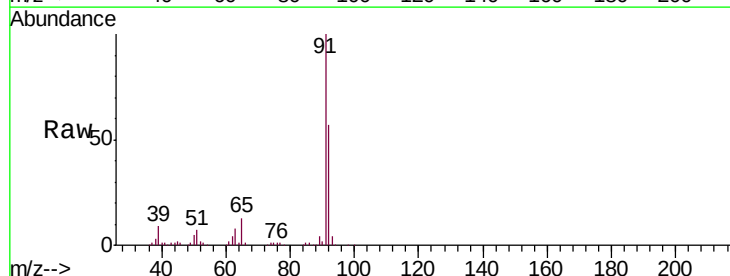
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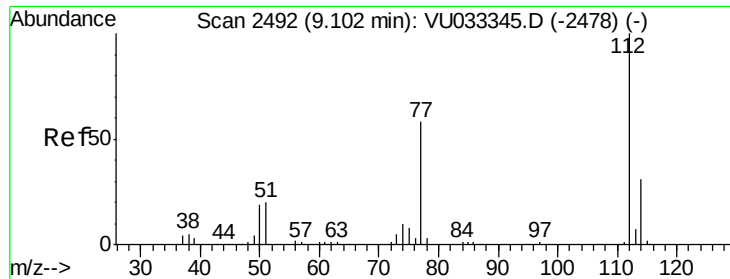
Tgt Ion: 63 Resp: 5143
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#42
 Toluene
 Concen: 5.064 ug/L
 RT: 7.62 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: VU033354.D
 Acq: 20 Jul 2019 01:56

Tgt Ion: 91 Resp: 171748
 Ion Ratio Lower Upper
 91 100
 92 56.5 40.0 74.2





#51

Chlorobenzene

Concen: 5.142 ug/L

RT: 9.10 min Scan# 2492

Delta R.T. 0.00 min

Lab File: VU033354.D

Acq: 20 Jul 2019 01:56

Instrument :

MSVOA_U

ClientSampleId :

A52J2MS

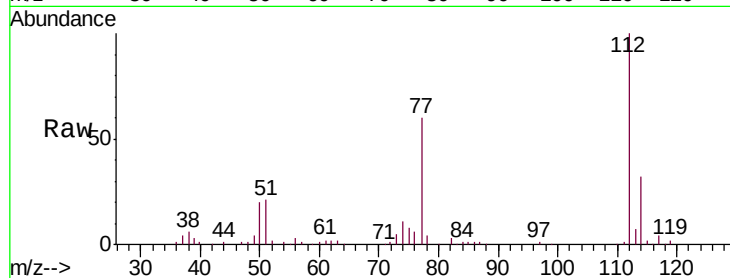
Tgt Ion: 112 Resp: 114465

Ion Ratio Lower Upper

112 100

114 31.8 22.1 41.1

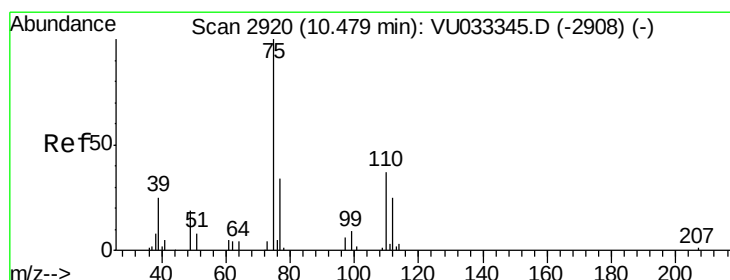
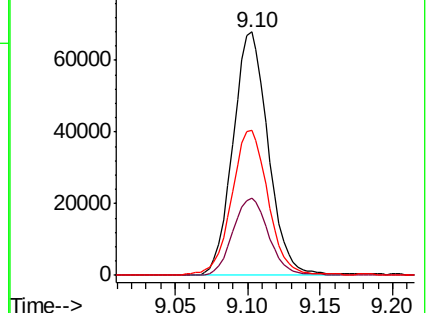
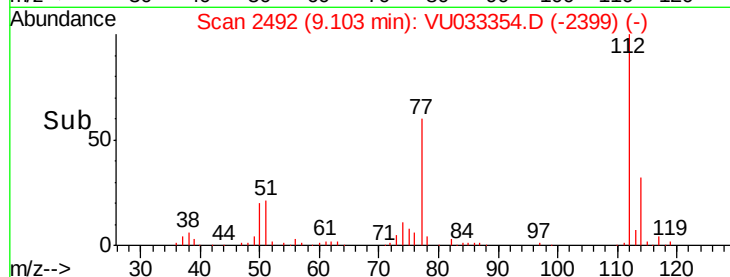
77 59.7 46.9 70.3



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU



#59

1,2,3-Trichloropropane

Concen: 1.233 ug/L

RT: 11.47 min Scan# 3228

Delta R.T. 0.99 min

Lab File: VU033354.D

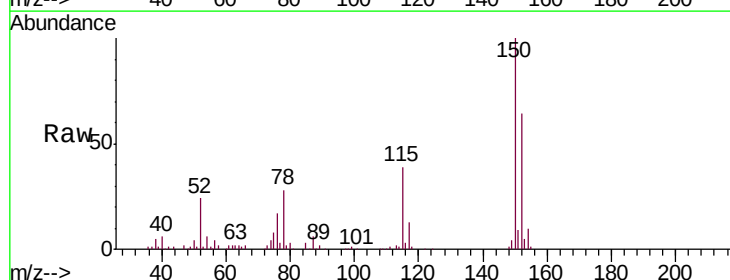
Acq: 20 Jul 2019 01:56

Tgt Ion: 75 Resp: 6868

Ion Ratio Lower Upper

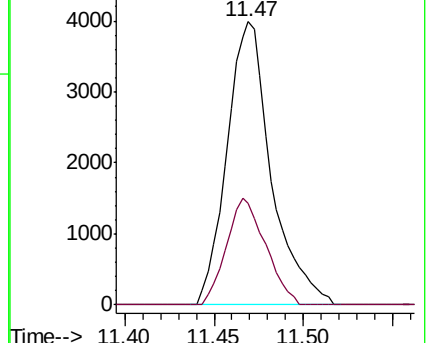
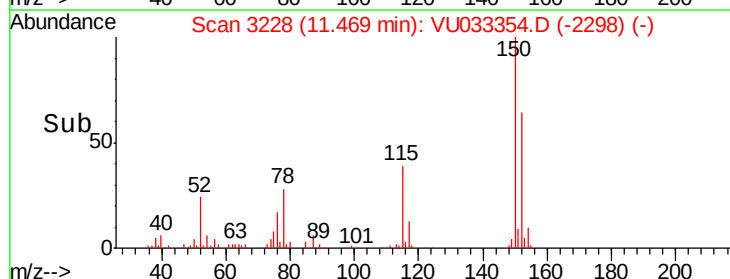
75 100

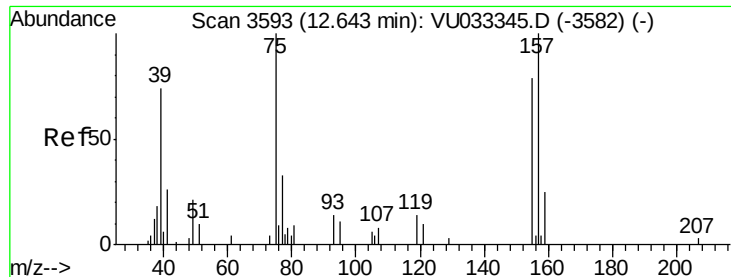
77 33.5 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU

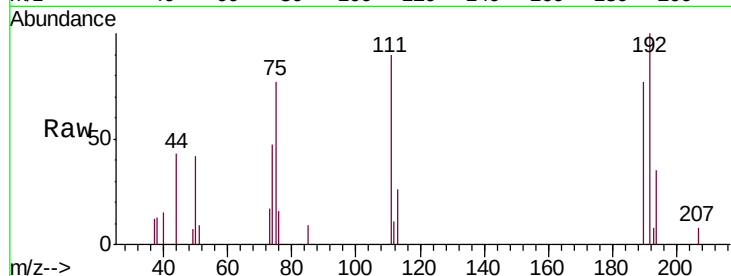




#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.645 ug/L
 RT: 12.62 min Scan# 3587
 Delta R.T. -0.02 min
 Lab File: VU033354.D
 Acq: 20 Jul 2019 01:56

Instrument :
 MSVOA_U
 ClientSampleId :
 A52J2MS

Tgt Ion: 75 Resp: 1794
 Ion Ratio Lower Upper
 75 100
 155 0.0 67.1 100.7#
 157 0.0 83.7 125.5#



Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

