

Data File : VU032939.D
Acq On : 21 Jun 2019 12:57
Operator : JC/SP
Sample : K3463-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
T11-MW-4-9.0-061919

Quant Time: Jun 22 00:35:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 22 00:32:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	185169	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	181490	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	84690	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	49198	38.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.76%
7) Chloroethane-d5	1.68	69	43926	43.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.04%
11) 1,1-Dichloroethene-d2	2.26	63	76602	30.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.10%
21) 2-Butanone-d5	4.17	46	111949	106.29	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.29%
24) Chloroform-d	4.64	84	113494	46.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.26%
26) 1,2-Dichloroethane-d4	5.30	65	79661	48.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.22%
32) Benzene-d6	5.33	84	208804	44.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.26%
36) 1,2-Dichloropropane-d6	6.33	67	70889	47.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.08%
41) Toluene-d8	7.56	98	187284	42.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.54%
43) trans-1,3-Dichloropropene-	7.85	79	34670	44.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.44%
47) 2-Hexanone-d5	8.31	63	67261	95.58	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.58%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	108743	46.67	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.34%
64) 1,2-Dichlorobenzene-d4	11.86	152	77571	47.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.66%

Target Compounds

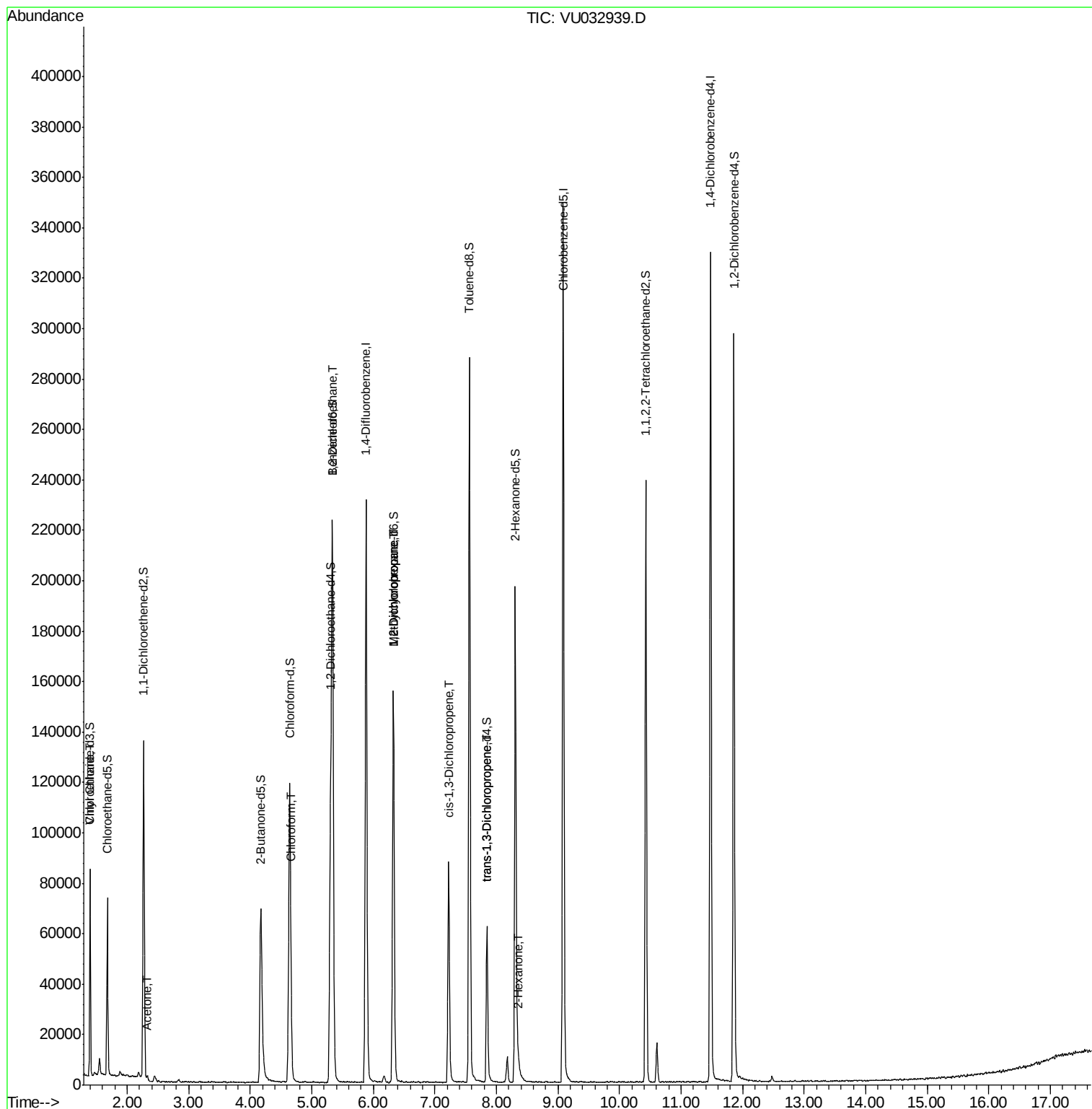
					Qvalue
8) Chloroethane	1.40	64	735	0.759 ug/L #	1
13) Acetone	2.32	43	1208	0.830 ug/L	79
25) Chloroform	4.67	83	4512	1.815 ug/L	87
27) 1,2-Dichloroethane	5.33	62	1430	0.700 ug/L #	77
35) Methylcyclohexane	6.33	83	16360	7.577 ug/L #	18
37) 1,2-Dichloropropane	6.32	63	8486	5.917 ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2452	1.097 ug/L #	79
44) trans-1,3-Dichloropropene	7.84	75	1706	0.813 ug/L	90
48) 2-Hexanone	8.36	43	3829	1.895 ug/L #	61

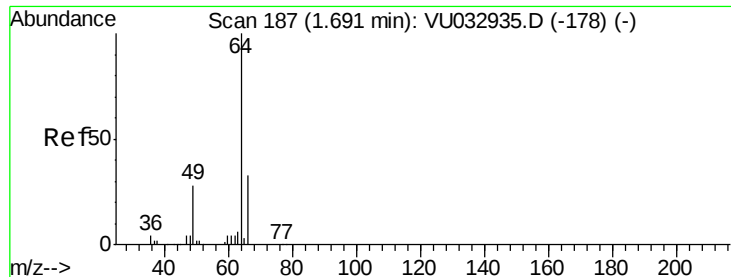
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.759 ug/L

RT: 1.40 min Scan# 33

Delta R.T. -0.30 min

Lab File: VU032939.D

Acq: 21 Jun 2019 12:57

Instrument :

MSVOA_U

ClientSampleId :

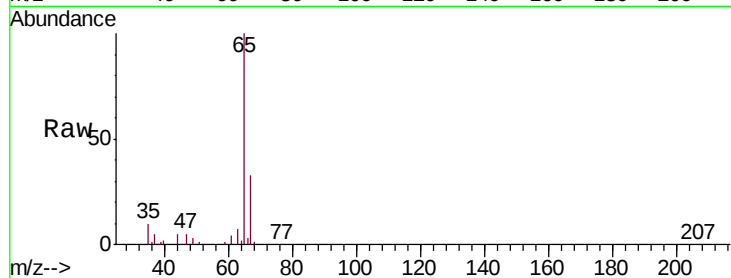
T11-MW-4-9.0-061919

Tgt Ion: 64 Resp: 735

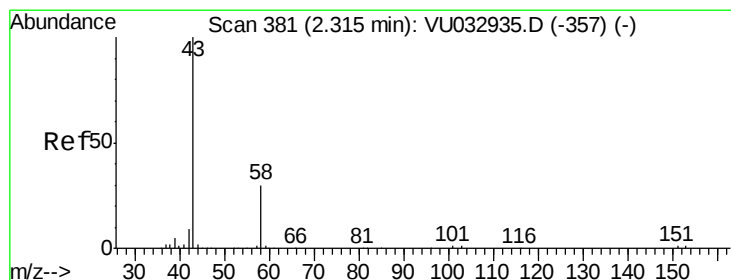
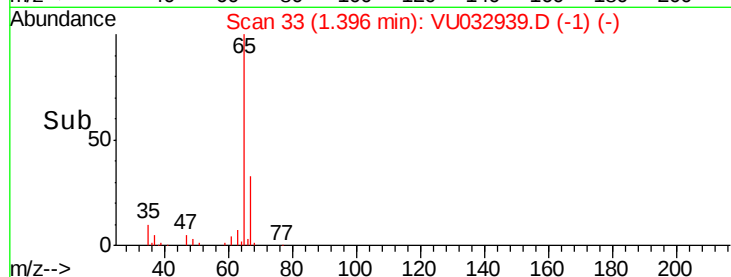
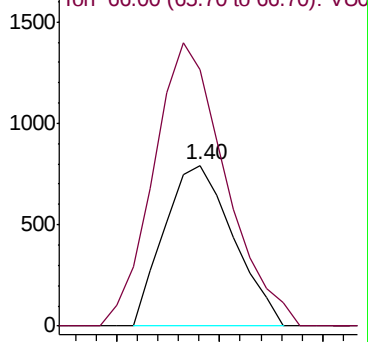
Ion Ratio Lower Upper

64 100

66 160.1 22.5 41.7#



Abundance Ion 64.00 (63.70 to 64.70): VU032939.D (-178) (-)



#13

Acetone

Concen: 0.830 ug/L

RT: 2.32 min Scan# 320

Delta R.T. 0.00 min

Lab File: VU032939.D

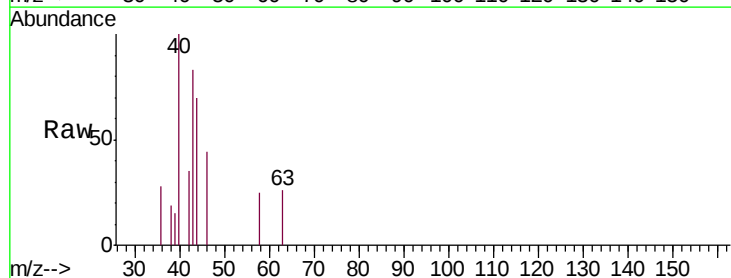
Acq: 21 Jun 2019 12:57

Tgt Ion: 43 Resp: 1208

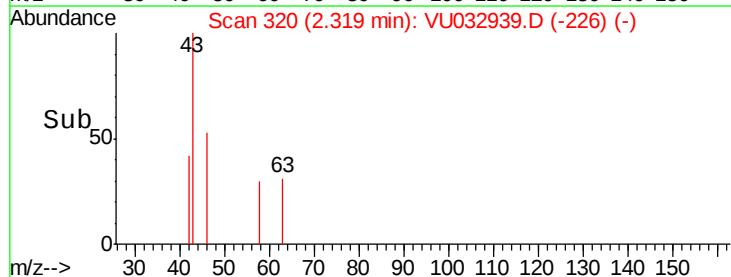
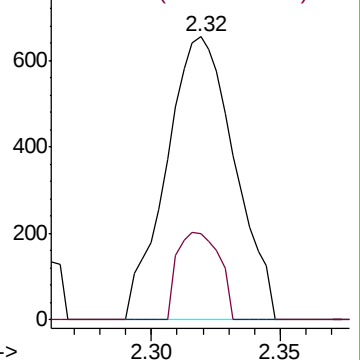
Ion Ratio Lower Upper

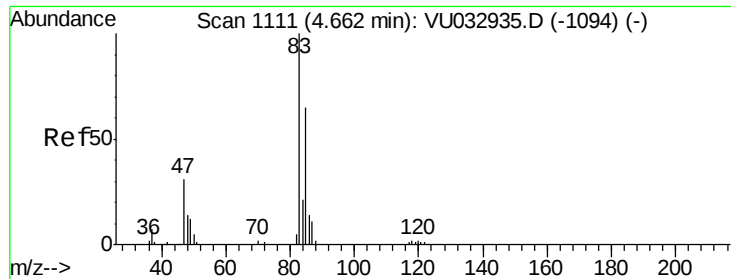
43 100

58 19.0 0.0 60.6



Abundance Ion 43.00 (42.70 to 43.70): VU032939.D (-226) (-)





#25

Chloroform

Concen: 1.815 ug/L

RT: 4.67 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU032939.D

Acq: 21 Jun 2019 12:57

Instrument :

MSVOA_U

ClientSampleId :

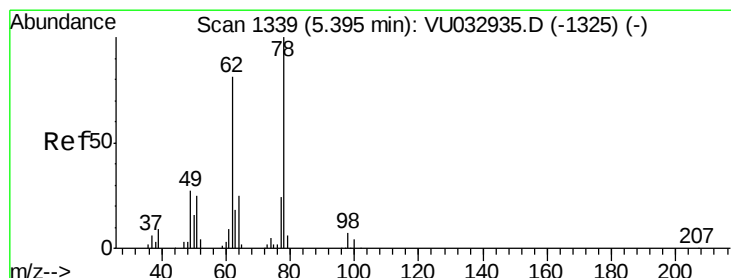
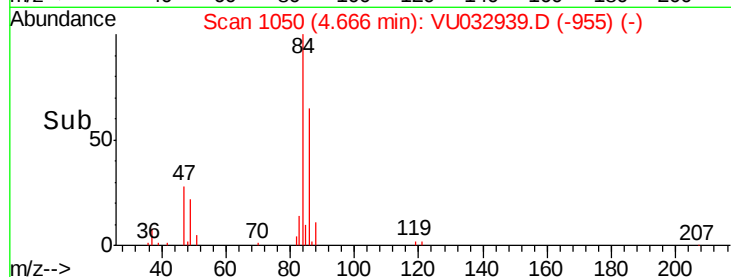
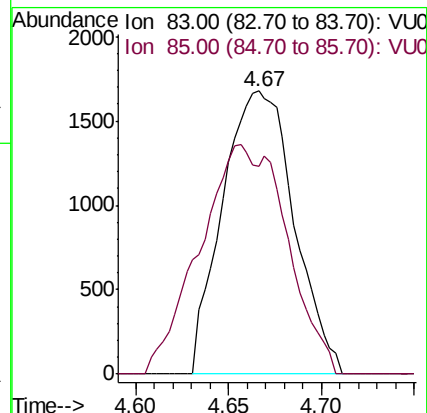
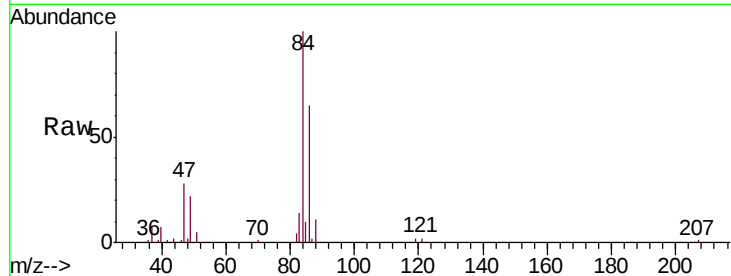
T11-MW-4-9.0-061919

Tgt Ion: 83 Resp: 4512

Ion Ratio Lower Upper

83 100

85 73.4 44.2 82.2



#27

1,2-Dichloroethane

Concen: 0.700 ug/L

RT: 5.33 min Scan# 1258

Delta R.T. -0.06 min

Lab File: VU032939.D

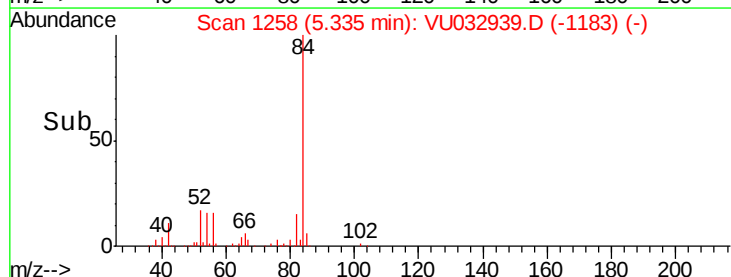
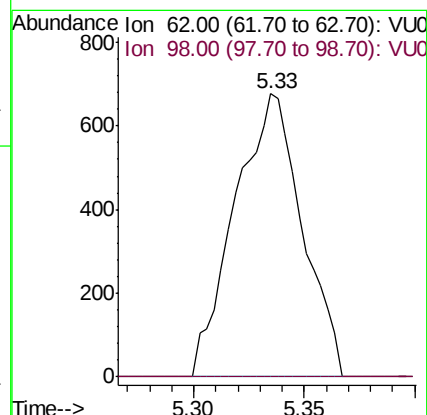
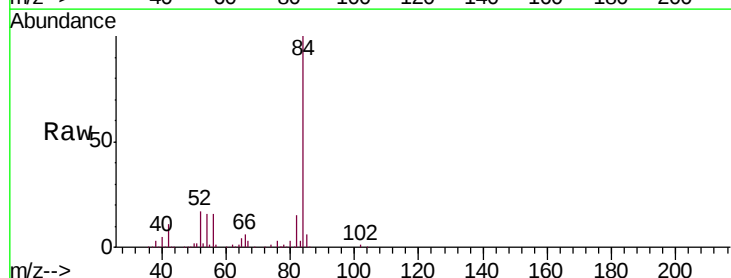
Acq: 21 Jun 2019 12:57

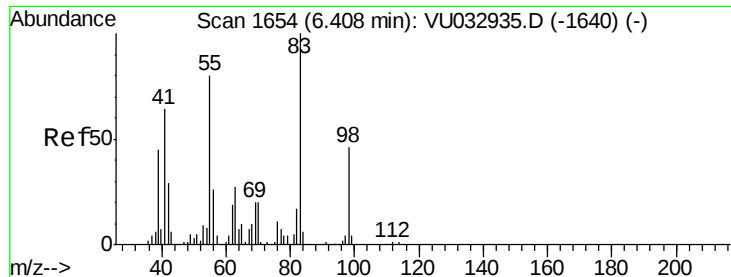
Tgt Ion: 62 Resp: 1430

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#





#35

Methylcyclohexane

Concen: 7.577 ug/L

RT: 6.33 min Scan# 1566

Delta R.T. -0.08 min

Lab File: VU032939.D

Acq: 21 Jun 2019 12:57

Instrument :

MSVOA_U

ClientSampleId :

T11-MW-4-9.0-061919

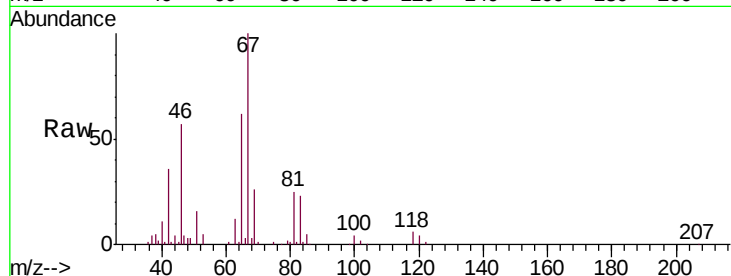
Tgt Ion: 83 Resp: 16360

Ion Ratio Lower Upper

83 100

55 0.0 62.6 94.0#

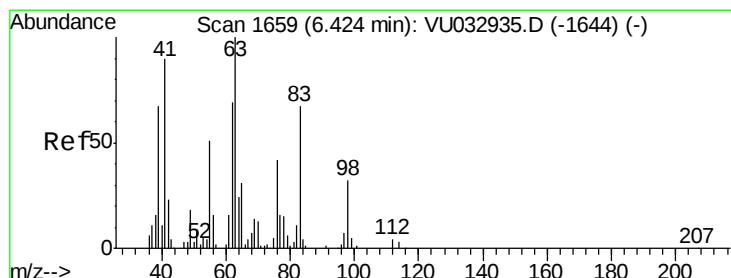
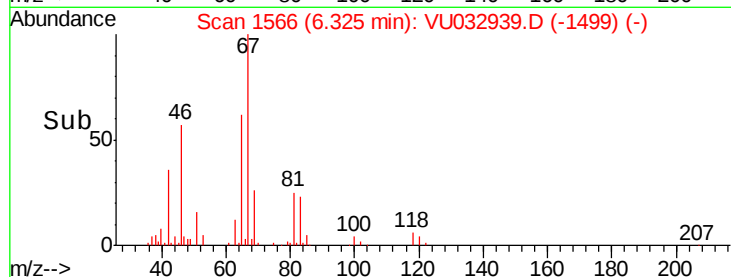
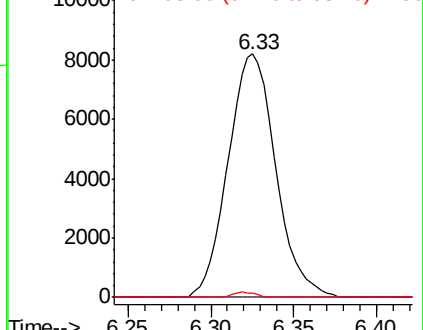
98 1.0 37.4 56.0#



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#37

1,2-Dichloropropane

Concen: 5.917 ug/L

RT: 6.32 min Scan# 1565

Delta R.T. -0.10 min

Lab File: VU032939.D

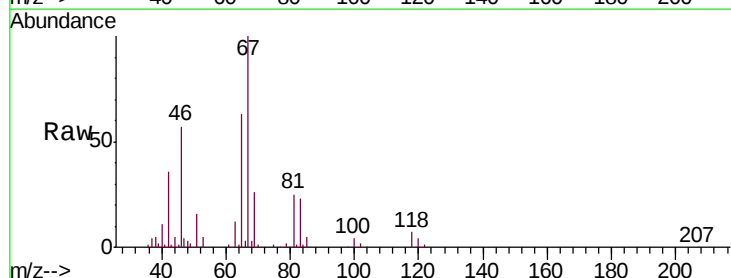
Acq: 21 Jun 2019 12:57

Tgt Ion: 63 Resp: 8486

Ion Ratio Lower Upper

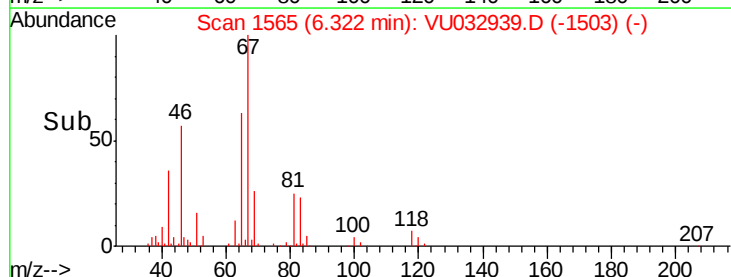
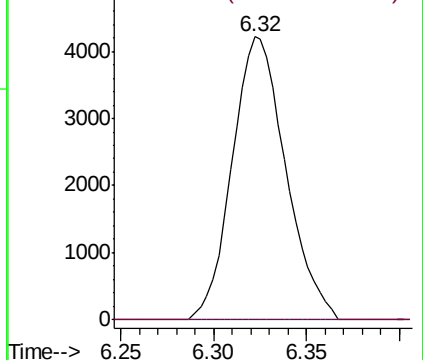
63 100

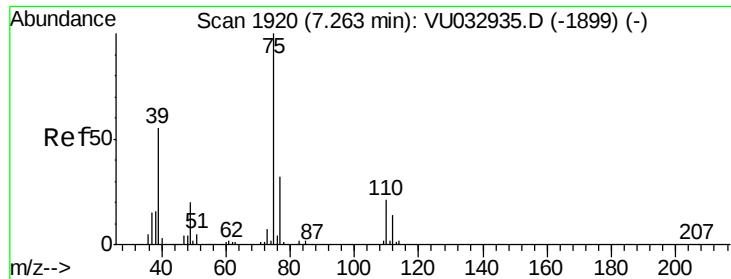
112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V

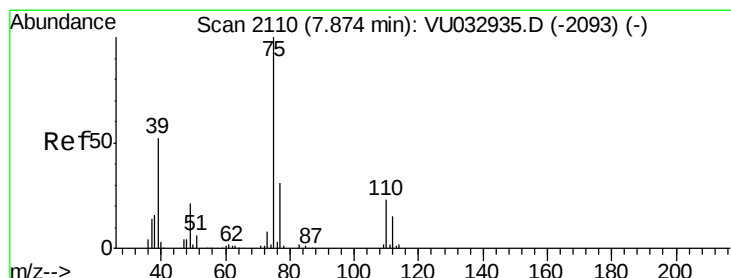
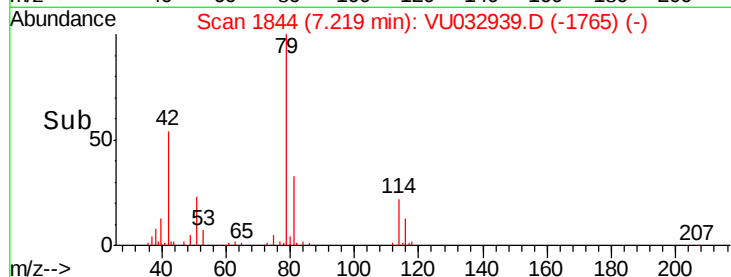
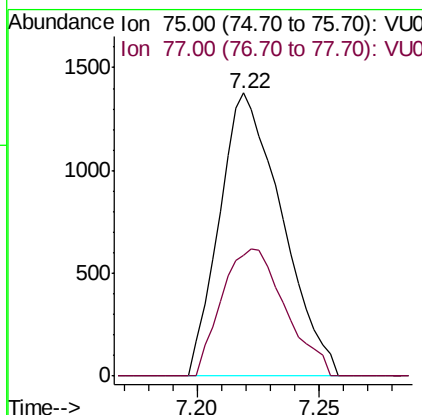
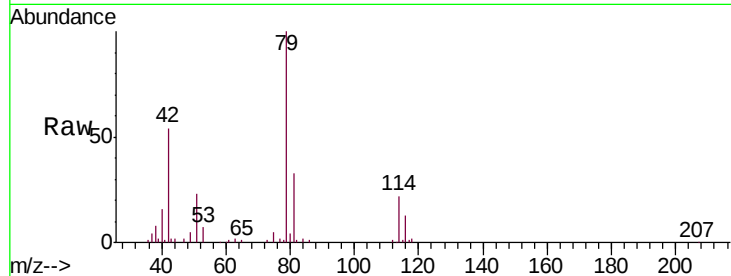




#39
 cis-1,3-Dichloropropene
 Concen: 1.097 ug/L
 RT: 7.22 min Scan# 1844
 Delta R.T. -0.04 min
 Lab File: VU032939.D
 Acq: 21 Jun 2019 12:57

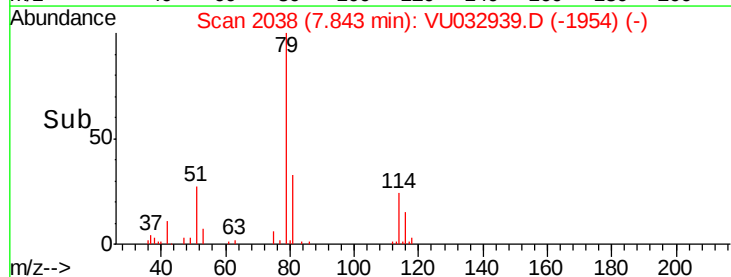
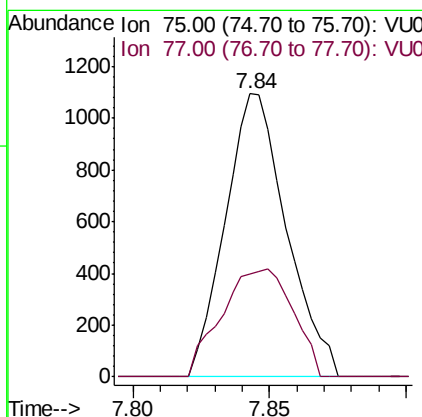
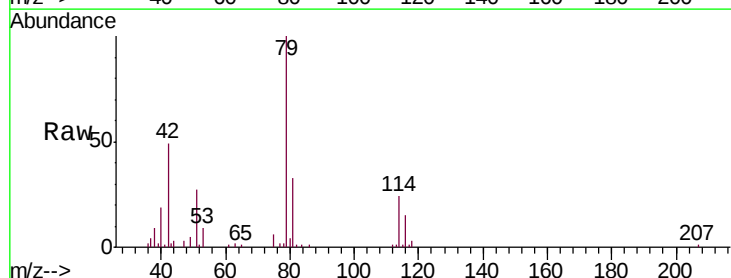
Instrument :
 MSVOA_U
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 T11-MW-4-9.0-061919

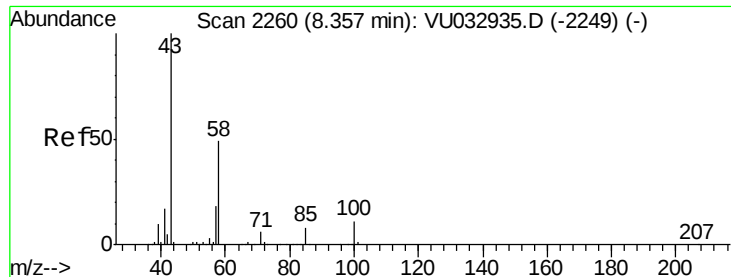
Tgt Ion: 75 Resp: 2452
 Ion Ratio Lower Upper
 75 100
 77 42.7 21.9 40.7#



#44
 trans-1,3-Dichloropropene
 Concen: 0.813 ug/L
 RT: 7.84 min Scan# 2038
 Delta R.T. -0.03 min
 Lab File: VU032939.D
 Acq: 21 Jun 2019 12:57

Tgt Ion: 75 Resp: 1706
 Ion Ratio Lower Upper
 75 100
 77 36.5 21.8 40.4





#48

2-Hexanone

Concen: 1.895 ug/L

RT: 8.36 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU032939.D

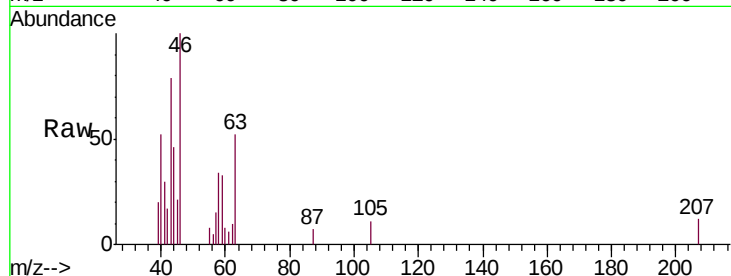
Acq: 21 Jun 2019 12:57

Instrument :

MSVOA_U

ClientSampleId :

T11-MW-4-9.0-061919



Tgt Ion: 43 Resp: 3829

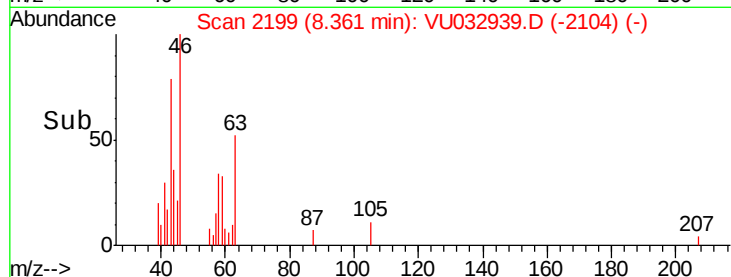
Ion Ratio Lower Upper

43 100

58 21.3 40.2 60.2#

57 0.0 14.2 21.4#

100 1.2 8.4 12.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

