

Data File : VU032946.D
Acq On : 21 Jun 2019 15:38
Operator : JC/SP
Sample : K3463-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
T11-MW-9-9.0-061919

Quant Time: Jun 22 00:37:56 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	196554	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	193557	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	91863	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	50981	37.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.90%
7) Chloroethane-d5	1.67	69	44418	41.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.92%
11) 1,1-Dichloroethene-d2	2.26	63	79440	29.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.72%#
21) 2-Butanone-d5	4.17	46	119680	107.04	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.04%
24) Chloroform-d	4.64	84	117799	45.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.22%
26) 1,2-Dichloroethane-d4	5.30	65	83125	47.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.58%
32) Benzene-d6	5.33	84	218768	43.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.72%
36) 1,2-Dichloropropane-d6	6.33	67	73875	45.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.92%
41) Toluene-d8	7.56	98	191313	40.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.98%
43) trans-1,3-Dichloropropene-	7.84	79	35160	42.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.10%
47) 2-Hexanone-d5	8.31	63	69308	92.35	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.35%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	112621	45.32	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.64%
64) 1,2-Dichlorobenzene-d4	11.86	152	79345	44.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.26%

Target Compounds

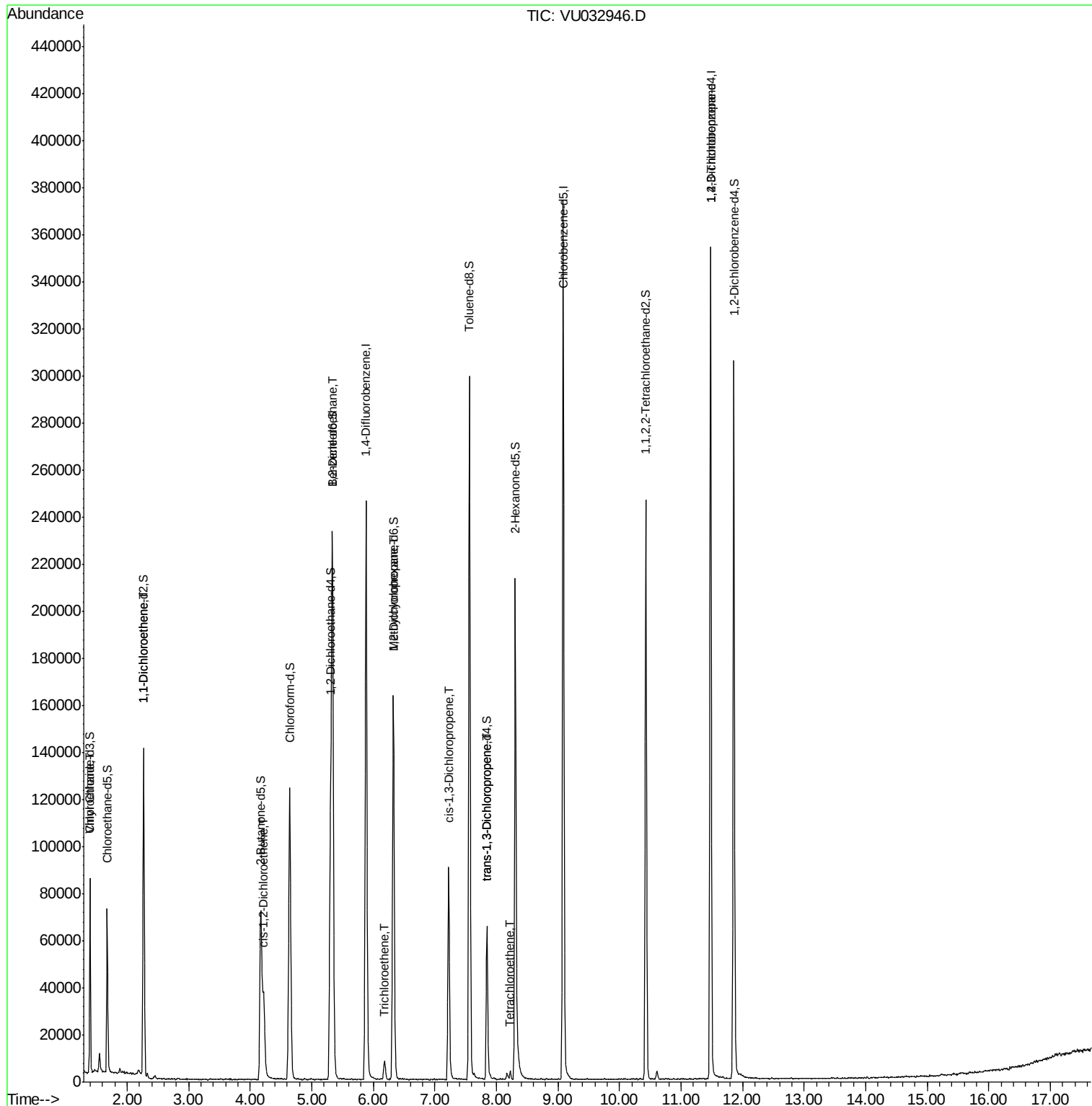
					Qvalue	
8) Chloroethane	1.39	64	945	0.920	ug/L #	1
12) 1,1-Dichloroethene	2.27	96	723	0.584	ug/L #	1
20) cis-1,2-Dichloroethene	4.22	96	15279	10.449	ug/L	98
27) 1,2-Dichloroethane	5.33	62	1435	0.662	ug/L #	77
34) Trichloroethene	6.18	95	2127	1.428	ug/L	87
35) Methylcyclohexane	6.33	83	17251	7.491	ug/L #	18
39) cis-1,3-Dichloropropene	7.22	75	2587	1.086	ug/L	89
44) trans-1,3-Dichloropropene	7.85	75	1638	0.732	ug/L	84
46) Tetrachloroethene	8.23	164	684	0.560	ug/L	92
59) 1,2,3-Trichloropropane	11.48	75	11706	5.735	ug/L	90

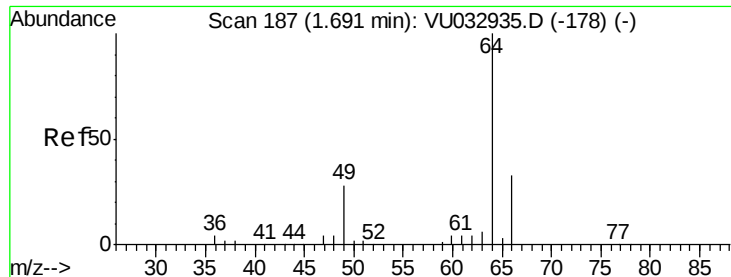
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Jun 22 00:32:21 2019
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.920 ug/L

RT: 1.39 min Scan# 32

Delta R.T. -0.30 min

Lab File: VU032946.D

Acq: 21 Jun 2019 15:38

Instrument :

MSVOA_U

ClientSampleId :

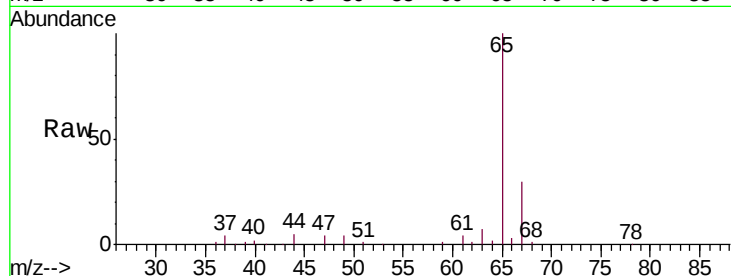
T11-MW-9-9.0-061919

Tgt Ion: 64 Resp: 945

Ion Ratio Lower Upper

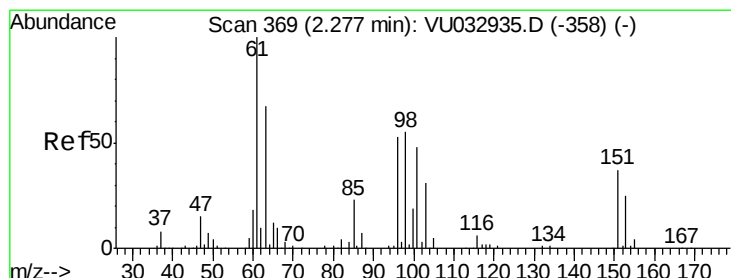
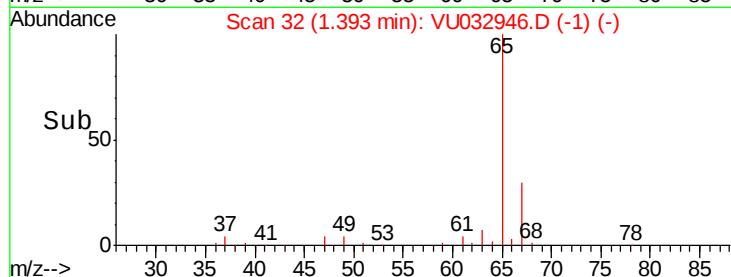
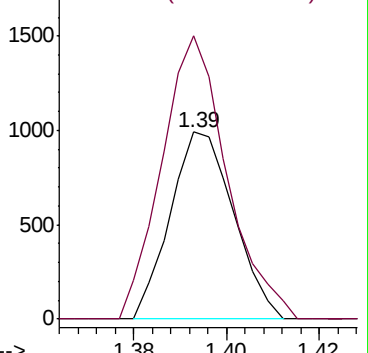
64 100

66 151.5 22.5 41.7#



Abundance Ion 64.00 (63.70 to 64.70): VU032946.D (-1) (-)

Ion 66.00 (65.70 to 66.70): VU032946.D (-1) (-)



#12

1,1-Dichloroethene

Concen: 0.584 ug/L

RT: 2.27 min Scan# 304

Delta R.T. -0.01 min

Lab File: VU032946.D

Acq: 21 Jun 2019 15:38

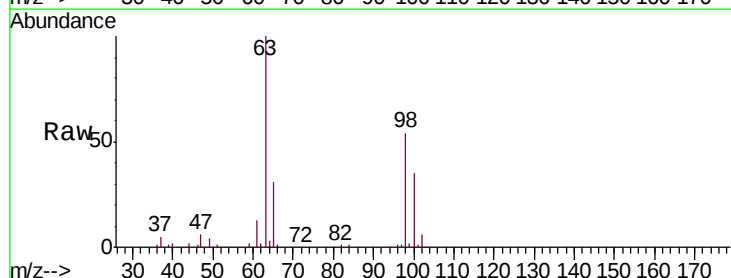
Tgt Ion: 96 Resp: 723

Ion Ratio Lower Upper

96 100

61 1487.9 131.0 243.4#

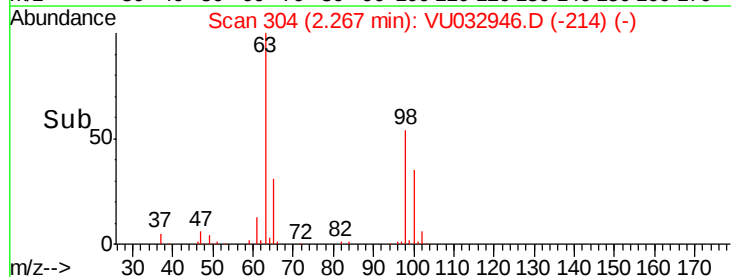
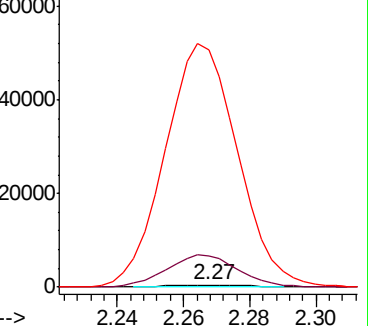
63 11147.3 101.0 187.6#

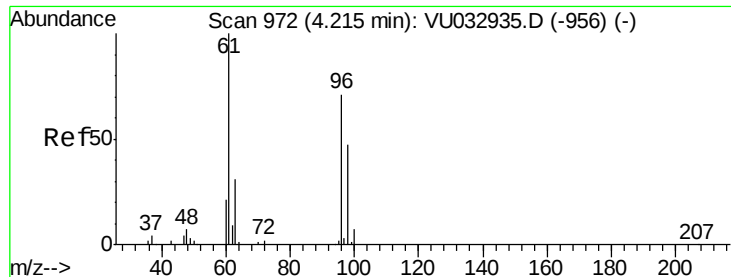


Abundance Ion 96.00 (95.70 to 96.70): VU032946.D (-214) (-)

Ion 61.00 (60.70 to 61.70): VU032946.D (-214) (-)

Ion 63.00 (62.70 to 63.70): VU032946.D (-214) (-)



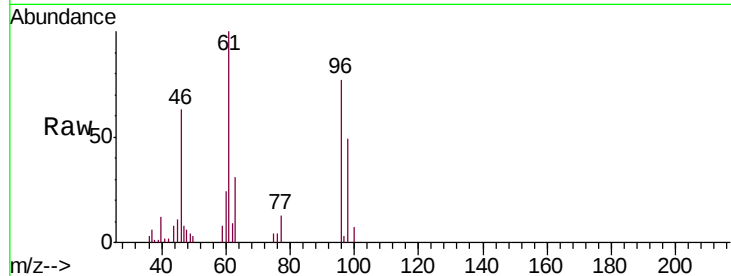


#20

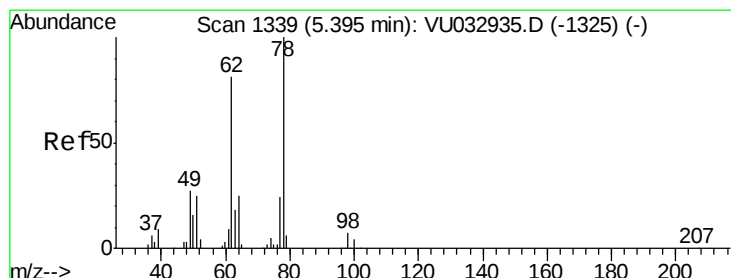
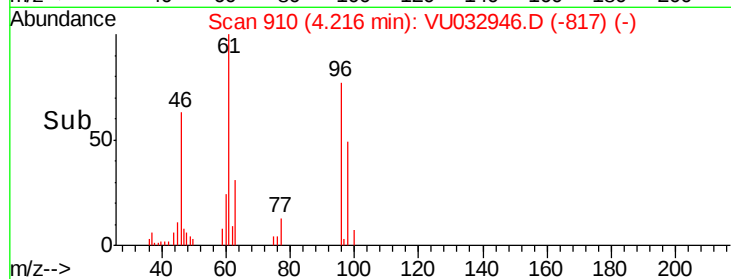
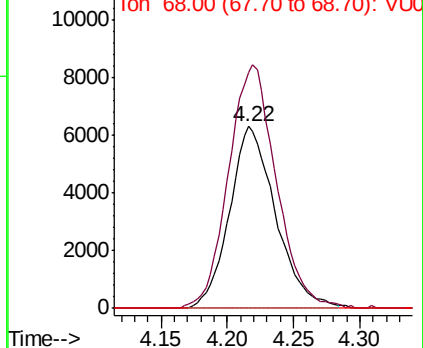
cis-1,2-Dichloroethene
 Concen: 10.449 ug/L
 RT: 4.22 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VU032946.D
 Acq: 21 Jun 2019 15:38

Instrument :
 MSVOA_U
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 T11-MW-9-9.0-061919

Tgt Ion: 96 Resp: 15279
 Ion Ratio Lower Upper
 96 100
 61 129.8 92.4 171.6
 68 0.0 0.0 0.0



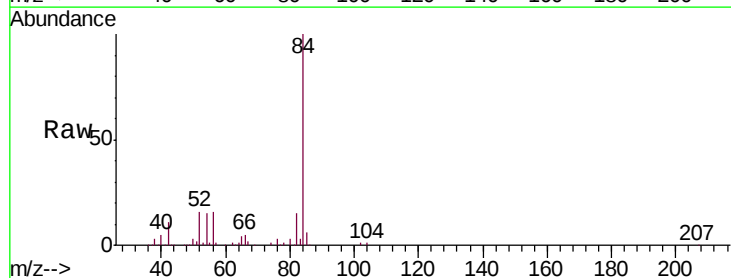
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0



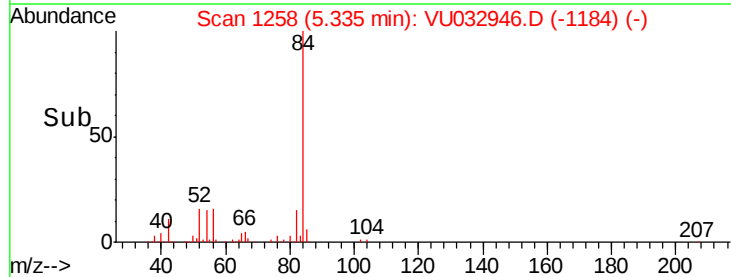
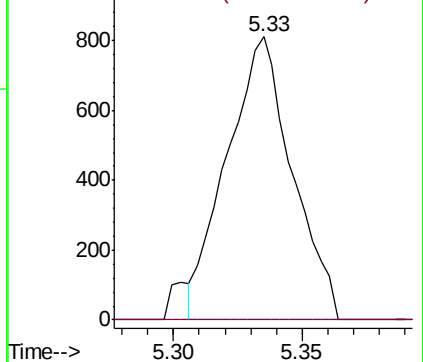
#27

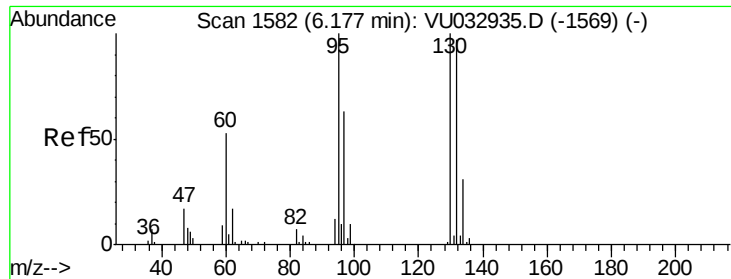
1,2-Dichloroethane
 Concen: 0.662 ug/L
 RT: 5.33 min Scan# 1258
 Delta R.T. -0.06 min
 Lab File: VU032946.D
 Acq: 21 Jun 2019 15:38

Tgt Ion: 62 Resp: 1435
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

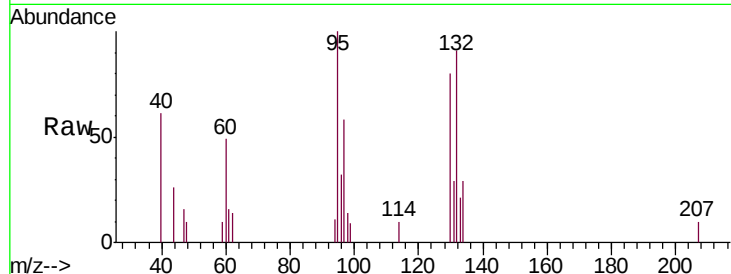




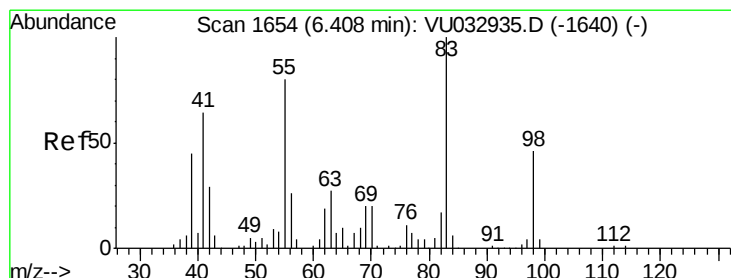
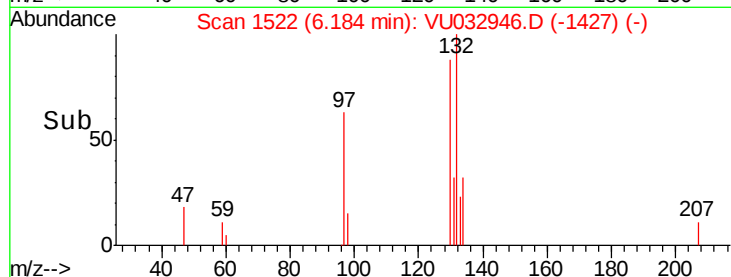
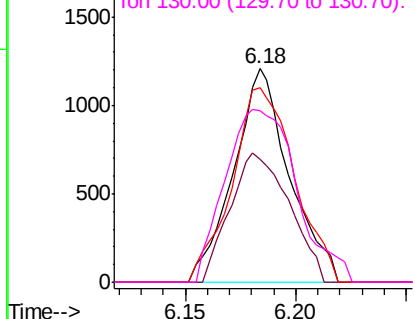
#34
 Trichloroethene
 Concen: 1.428 ug/L
 RT: 6.18 min Scan# 1522
 Delta R.T. 0.01 min
 Lab File: VU032946.D
 Acq: 21 Jun 2019 15:38

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 T11-MW-9-9.0-061919

Tgt Ion:	95	Resp:	2127
Ion	Ratio	Lower	Upper
95	100		
97	57.6	45.9	85.3
132	91.2	68.5	127.3
130	80.3	70.8	131.4

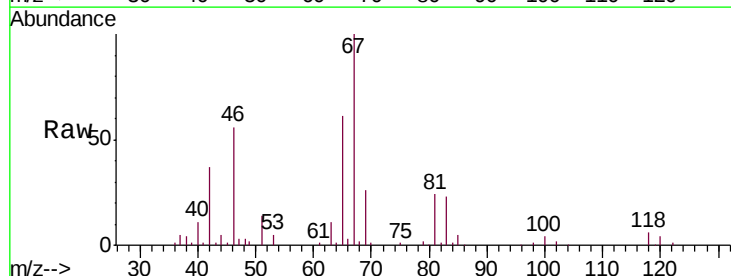


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

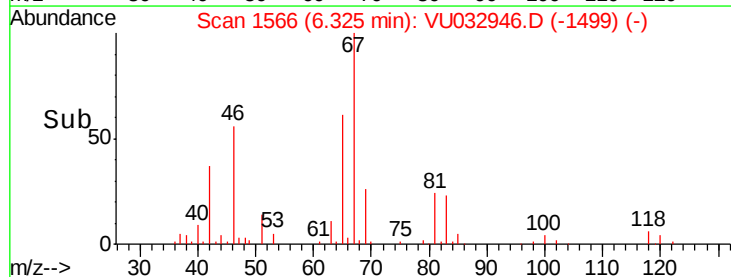
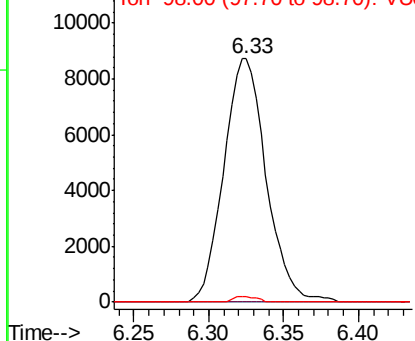


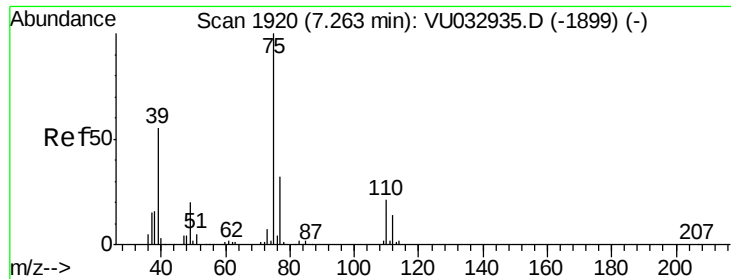
#35
 Methylcyclohexane
 Concen: 7.491 ug/L
 RT: 6.33 min Scan# 1566
 Delta R.T. -0.08 min
 Lab File: VU032946.D
 Acq: 21 Jun 2019 15:38

Tgt Ion:	83	Resp:	17251
Ion	Ratio	Lower	Upper
83	100		
55	0.0	62.6	94.0#
98	1.3	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

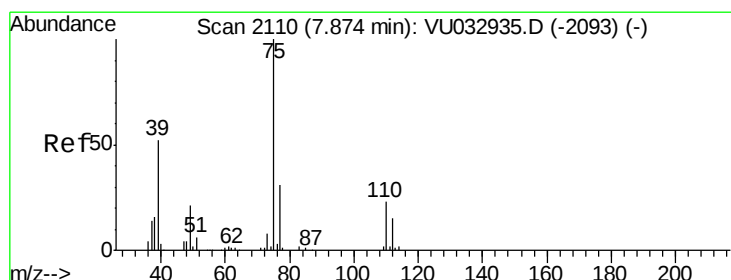
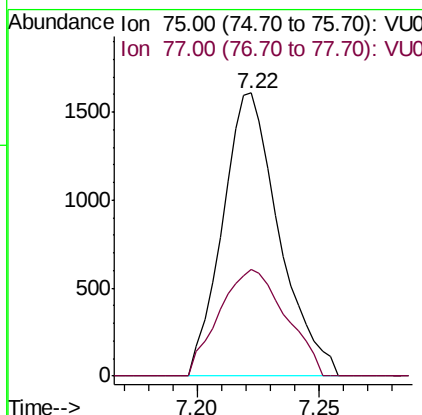
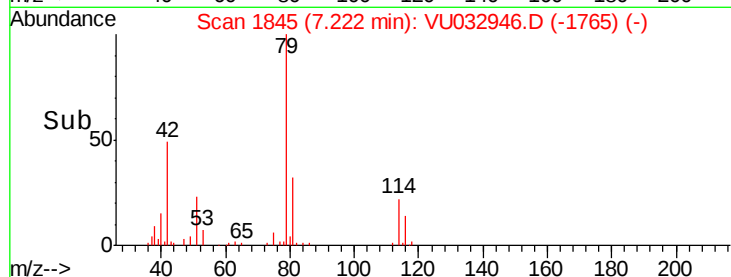
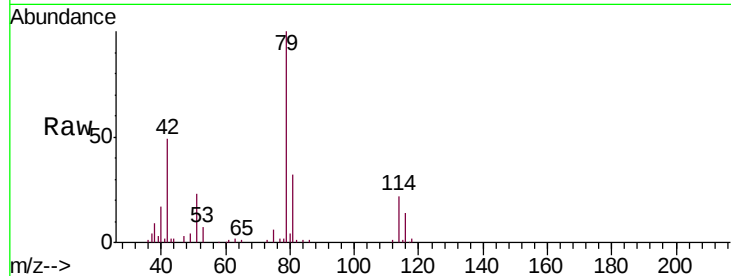




#39
 cis-1,3-Dichloropropene
 Concen: 1.086 ug/L
 RT: 7.22 min Scan# 1845
 Delta R.T. -0.04 min
 Lab File: VU032946.D
 Acq: 21 Jun 2019 15:38

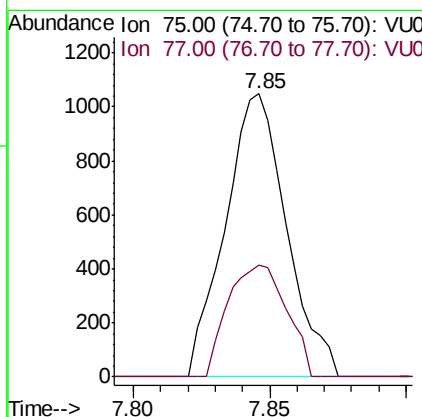
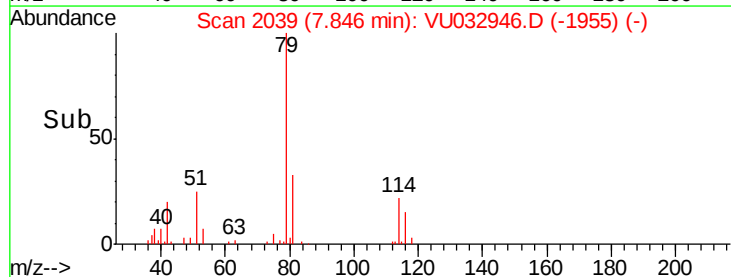
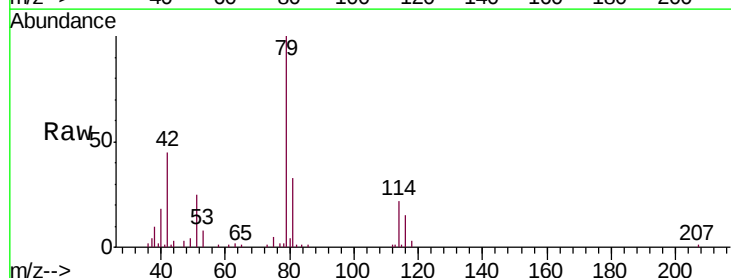
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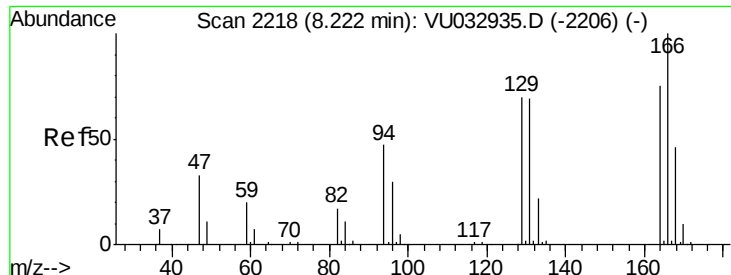
Tgt Ion: 75 Resp: 2587
 Ion Ratio Lower Upper
 75 100
 77 37.6 21.9 40.7



#44
 trans-1,3-Dichloropropene
 Concen: 0.732 ug/L
 RT: 7.85 min Scan# 2039
 Delta R.T. -0.03 min
 Lab File: VU032946.D
 Acq: 21 Jun 2019 15:38

Tgt Ion: 75 Resp: 1638
 Ion Ratio Lower Upper
 75 100
 77 39.7 21.8 40.4





#46

Tetrachloroethene

Concen: 0.560 ug/L

RT: 8.23 min Scan# 2157

Delta R.T. 0.00 min

Lab File: VU032946.D

Acq: 21 Jun 2019 15:38

Instrument :

MSVOA_U

ClientSampleId :

T11-MW-9-9.0-061919

Tgt Ion:164 Resp: 684

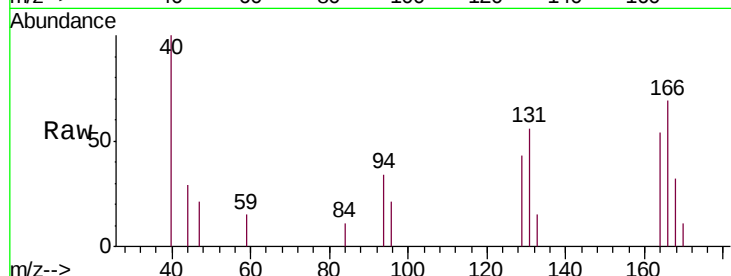
Ion Ratio Lower Upper

164 100

129 80.2 64.8 120.3

131 105.1 64.5 119.7

166 129.3 91.3 169.6

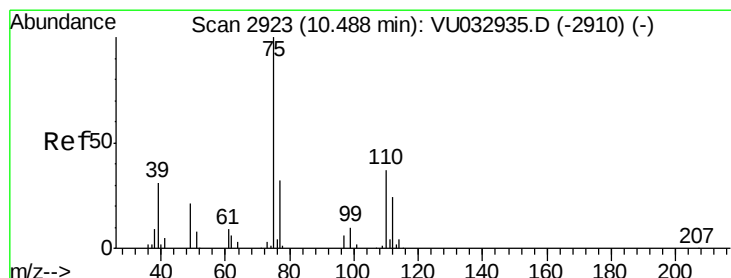
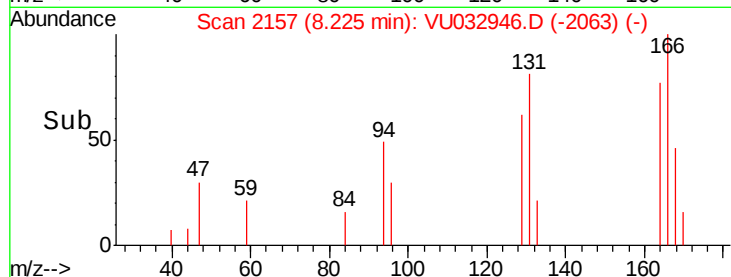
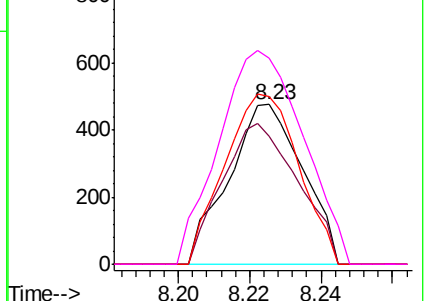


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#59

1,2,3-Trichloropropane

Concen: 5.735 ug/L

RT: 11.48 min Scan# 3169

Delta R.T. 0.99 min

Lab File: VU032946.D

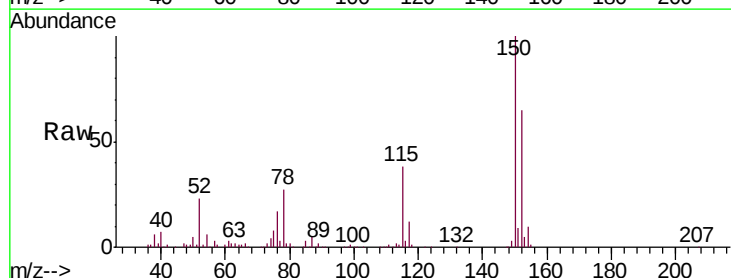
Acq: 21 Jun 2019 15:38

Tgt Ion: 75 Resp: 11706

Ion Ratio Lower Upper

75 100

77 37.3 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

