

Data File : VU032943.D
Acq On : 21 Jun 2019 14:29
Operator : JC/SP
Sample : K3463-07MS
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
T11-MW-3-8.0-061919MS

Quant Time: Jun 22 00:37:26 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	194706	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	188858	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	89681	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	50426	37.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.80%
7) Chloroethane-d5	1.67	69	45858	43.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.42%
11) 1,1-Dichloroethene-d2	2.27	63	111548	41.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.22%
21) 2-Butanone-d5	4.17	46	117146	105.77	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.77%
24) Chloroform-d	4.64	84	118295	45.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.46%
26) 1,2-Dichloroethane-d4	5.30	65	83989	48.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.48%
32) Benzene-d6	5.33	84	220287	44.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.48%
36) 1,2-Dichloropropane-d6	6.32	67	73867	47.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.20%
41) Toluene-d8	7.56	98	194129	42.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.22%
43) trans-1,3-Dichloropropene-	7.84	79	35779	43.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.72%
47) 2-Hexanone-d5	8.31	63	71552	97.71	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.71%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	114745	47.33	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.66%
64) 1,2-Dichlorobenzene-d4	11.86	152	82830	47.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.46%

Target Compounds

					Qvalue
5) Vinyl chloride	1.40	62	1501	0.849 ug/L #	26
8) Chloroethane	1.40	64	1189	1.168 ug/L #	1
12) 1,1-Dichloroethene	2.28	96	55518	45.279 ug/L	89
13) Acetone	2.32	43	809	0.529 ug/L	67
17) trans-1,2-Dichloroethene	2.97	96	1062	0.799 ug/L	93
20) cis-1,2-Dichloroethene	4.22	96	89861	62.038 ug/L	96
27) 1,2-Dichloroethane	5.38	62	2525	1.176 ug/L #	77
33) Benzene	5.38	78	261982	48.154 ug/L	100
34) Trichloroethene	6.18	95	79124	54.432 ug/L	97
35) Methylcyclohexane	6.33	83	17045	7.586 ug/L #	18
37) 1,2-Dichloropropane	6.33	63	8878	5.949 ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2632	1.132 ug/L #	67
42) Toluene	7.63	91	280823	47.707 ug/L	100
44) trans-1,3-Dichloropropene	7.84	75	1867	0.855 ug/L	90
46) Tetrachloroethene	8.22	164	13289	11.157 ug/L	97
49) Dibromochloromethane	8.22	129	12706	7.588 ug/L #	12
51) Chlorobenzene	9.11	112	183093	47.268 ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062219\
Quantitation Report (Not Reviewed)

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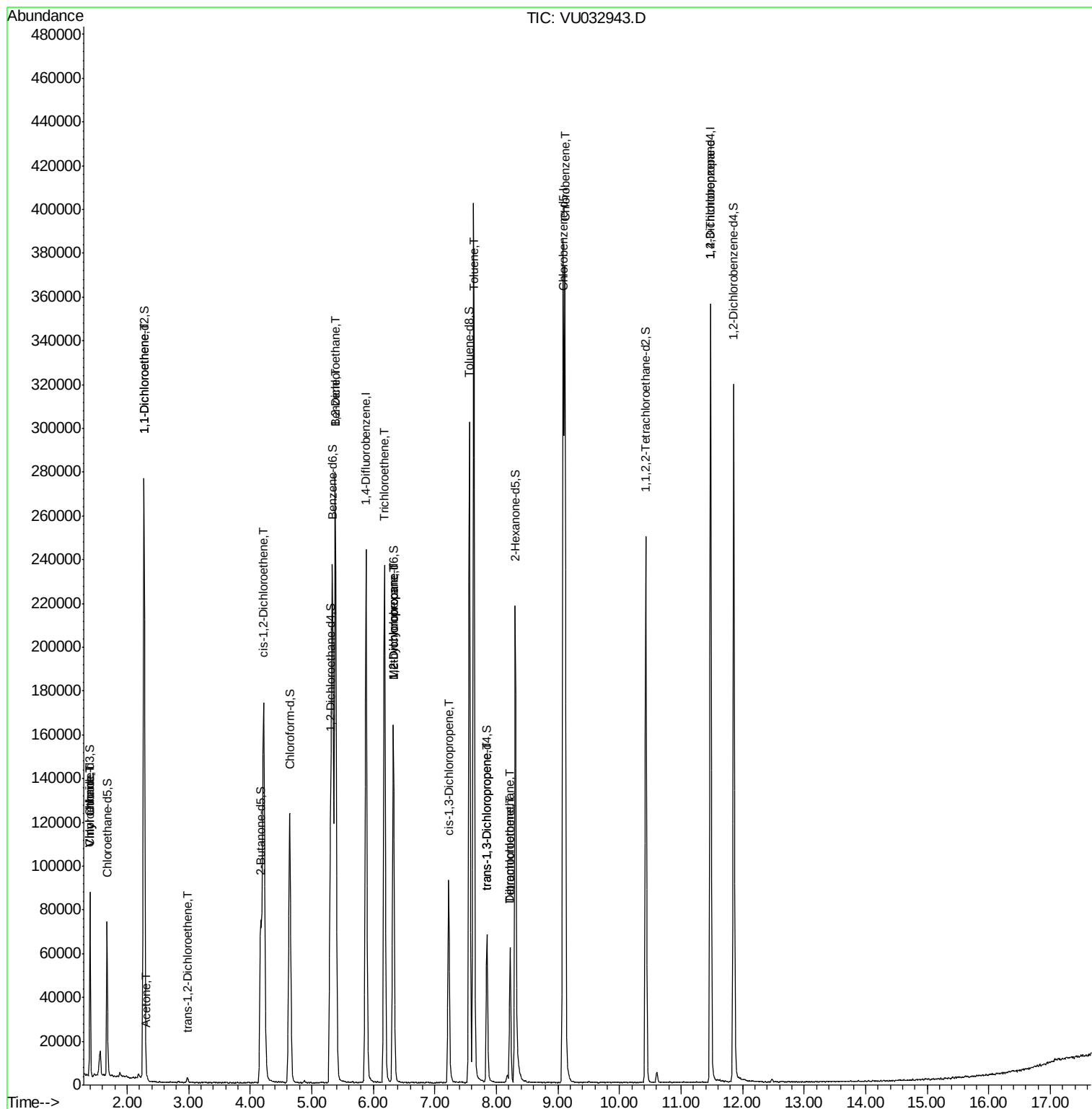
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.48	75	11748	5.899	ug/L #	87

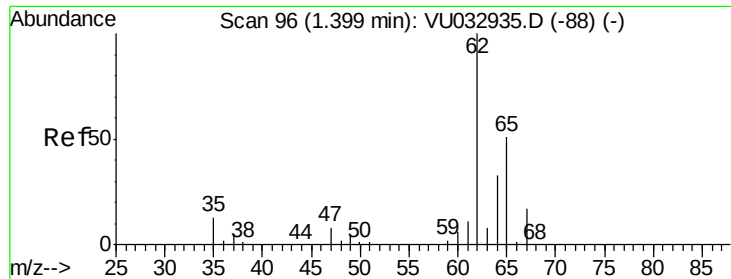
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.849 ug/L

RT: 1.40 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU032943.D

Acq: 21 Jun 2019 14:29

Instrument :

MSVOA_U

ClientSampleId :

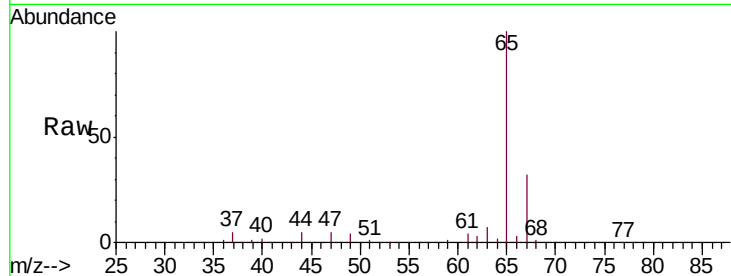
T11-MW-3-8.0-061919MS

Tgt Ion: 62 Resp: 1501

Ion Ratio Lower Upper

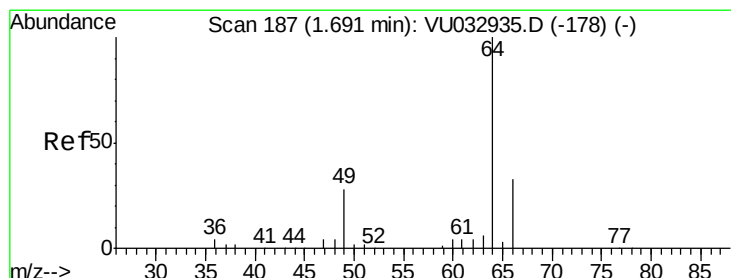
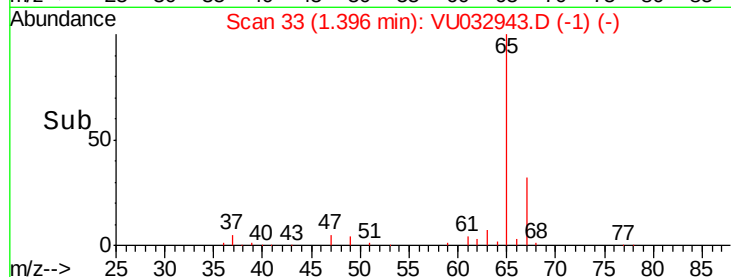
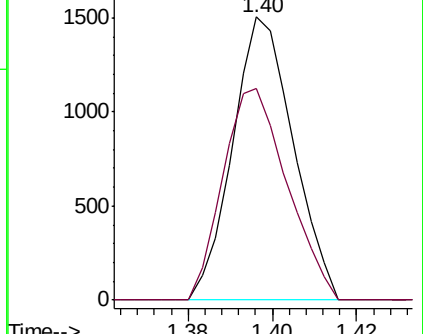
62 100

64 74.6 23.0 42.6#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#8

Chloroethane

Concen: 1.168 ug/L

RT: 1.40 min Scan# 33

Delta R.T. -0.30 min

Lab File: VU032943.D

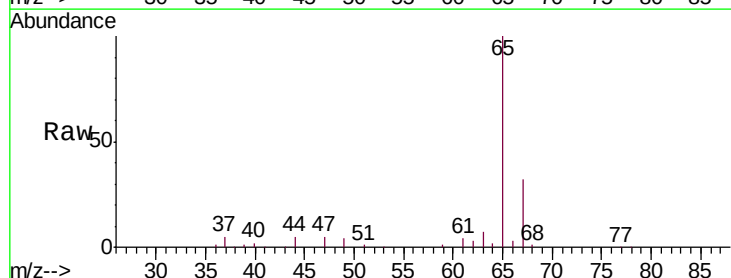
Acq: 21 Jun 2019 14:29

Tgt Ion: 64 Resp: 1189

Ion Ratio Lower Upper

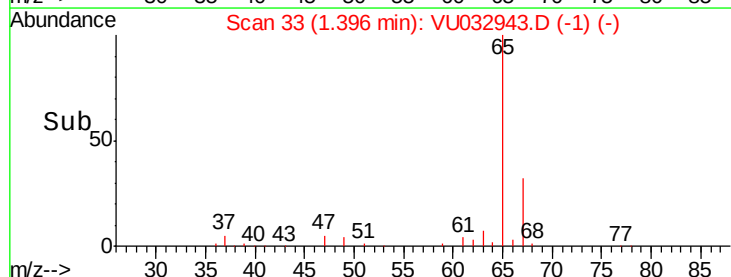
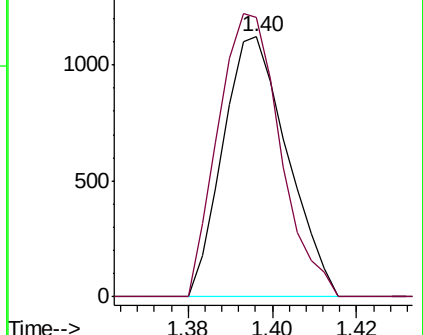
64 100

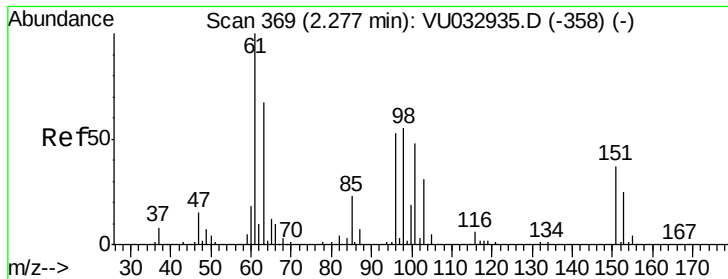
66 107.6 22.5 41.7#



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0

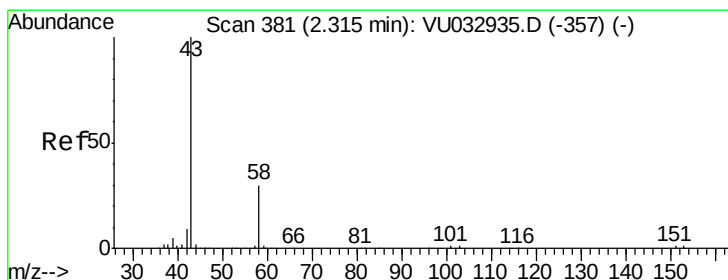
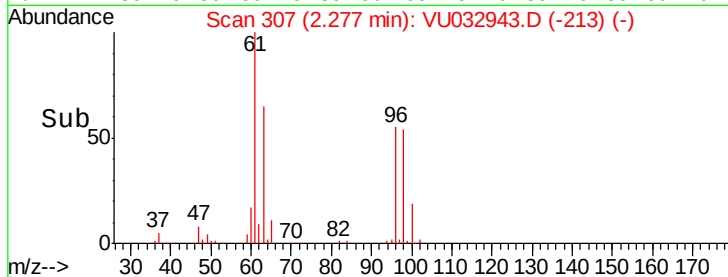
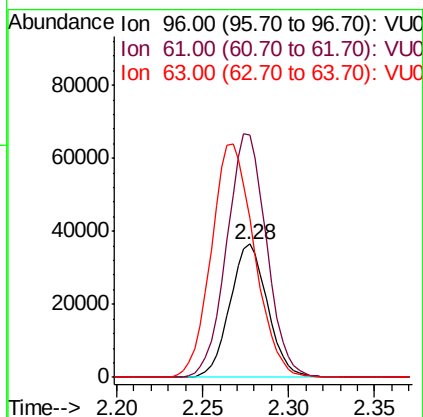
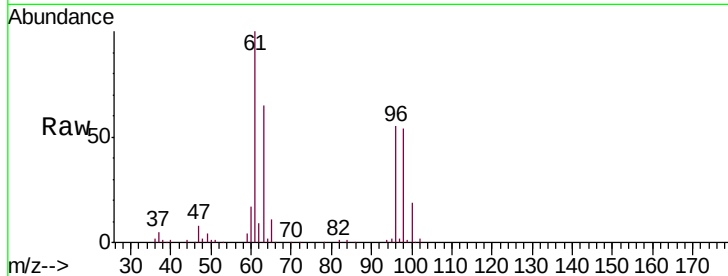




#12
 1,1-Dichloroethene
 Concen: 45.279 ug/L
 RT: 2.28 min Scan# 307
 Delta R.T. 0.00 min
 Lab File: VU032943.D
 Acq: 21 Jun 2019 14:29

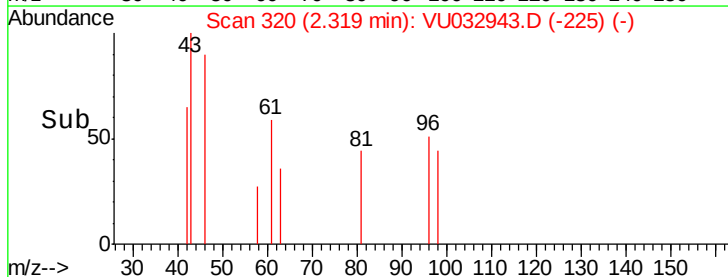
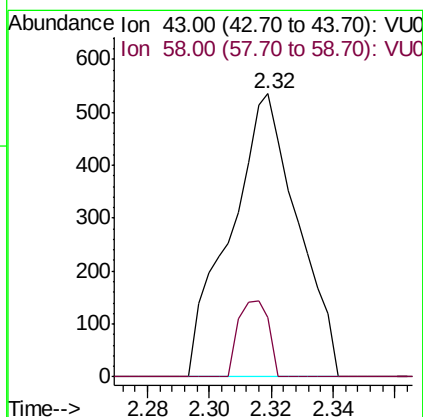
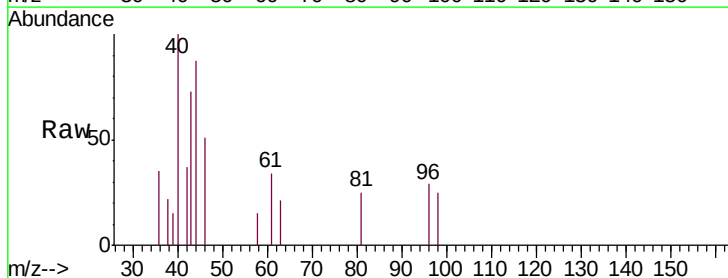
Instrument :
 MSVOA_U
 ClientSampleId :
 T11-MW-3-8.0-061919MS

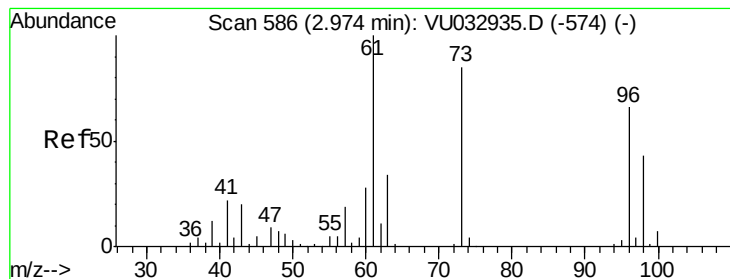
Tgt Ion	Resp	Lower	Upper
96	100		
61	182.3	131.0	243.4
63	119.1	101.0	187.6



#13
 Acetone
 Concen: 0.529 ug/L
 RT: 2.32 min Scan# 320
 Delta R.T. 0.00 min
 Lab File: VU032943.D
 Acq: 21 Jun 2019 14:29

Tgt Ion	Resp	Lower	Upper
43	100		
58	12.1	0.0	60.6





#17

trans-1,2-Dichloroethene

Concen: 0.799 ug/L

RT: 2.97 min Scan# 524

Delta R.T. 0.00 min

Lab File: VU032943.D

Acq: 21 Jun 2019 14:29

Instrument :

MSVOA_U

ClientSampleId :

T11-MW-3-8.0-061919MS

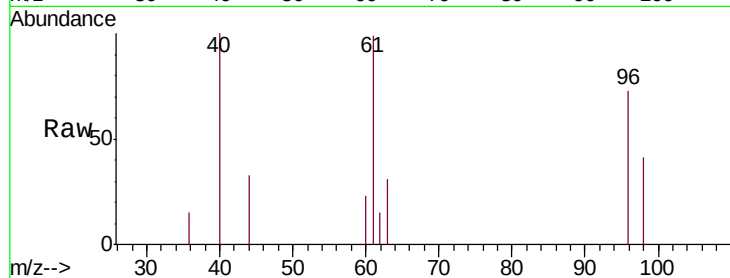
Tgt Ion: 96 Resp: 1062

Ion Ratio Lower Upper

96 100

61 135.8 100.9 187.5

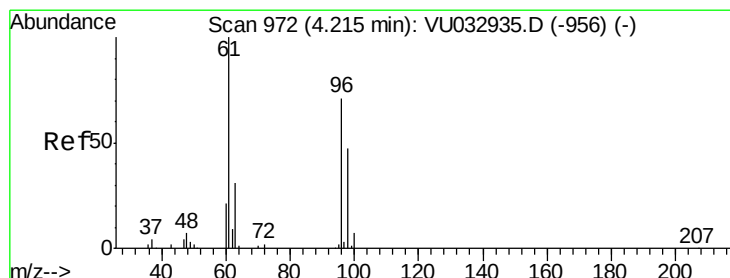
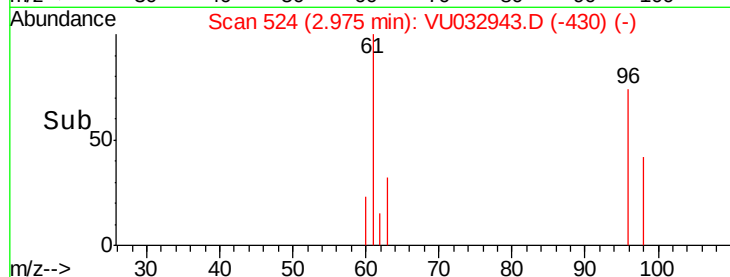
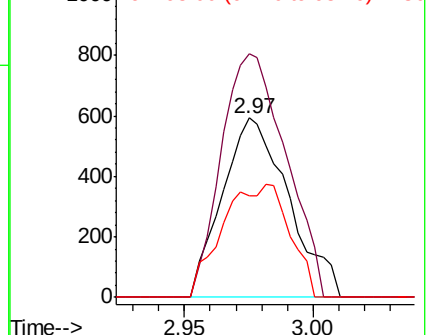
98 56.7 44.0 81.8



Abundance Ion 96.00 (95.70 to 96.70): VU032935.D (-574) (-)

Ion 61.00 (60.70 to 61.70): VU032935.D (-574) (-)

Ion 98.00 (97.70 to 98.70): VU032935.D (-574) (-)



#20

cis-1,2-Dichloroethene

Concen: 62.038 ug/L

RT: 4.22 min Scan# 910

Delta R.T. 0.00 min

Lab File: VU032943.D

Acq: 21 Jun 2019 14:29

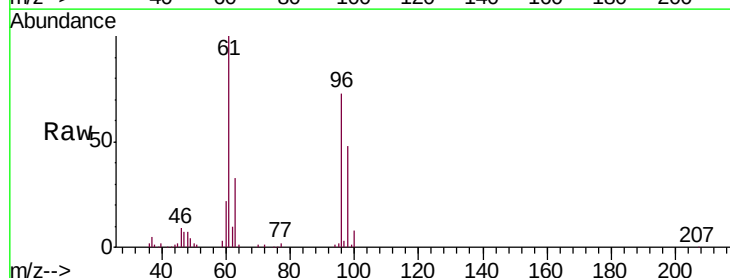
Tgt Ion: 96 Resp: 89861

Ion Ratio Lower Upper

96 100

61 137.1 92.4 171.6

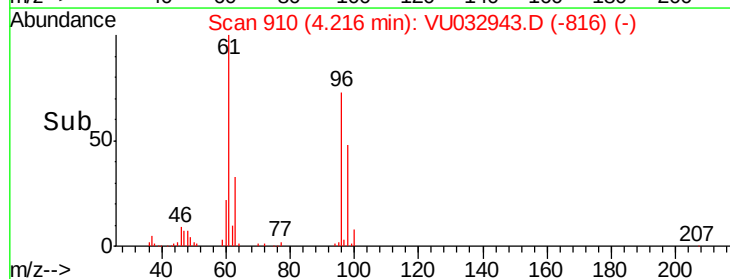
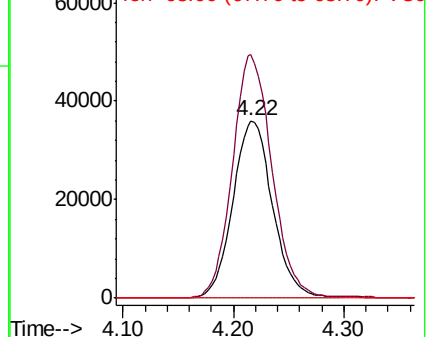
68 0.0 0.0 0.0

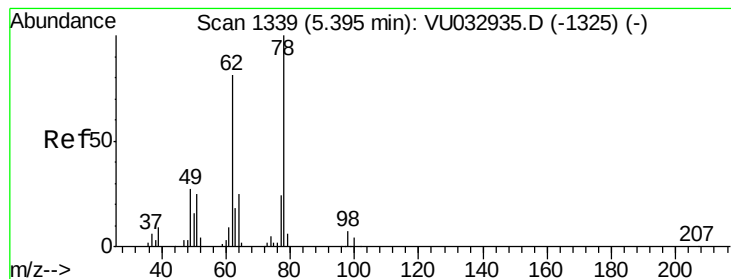


Abundance Ion 96.00 (95.70 to 96.70): VU032935.D (-956) (-)

Ion 61.00 (60.70 to 61.70): VU032935.D (-956) (-)

Ion 68.00 (67.70 to 68.70): VU032935.D (-956) (-)





#27

1,2-Dichloroethane

Concen: 1.176 ug/L

RT: 5.38 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VU032943.D

Acq: 21 Jun 2019 14:29

Instrument :

MSVOA_U

ClientSampleId :

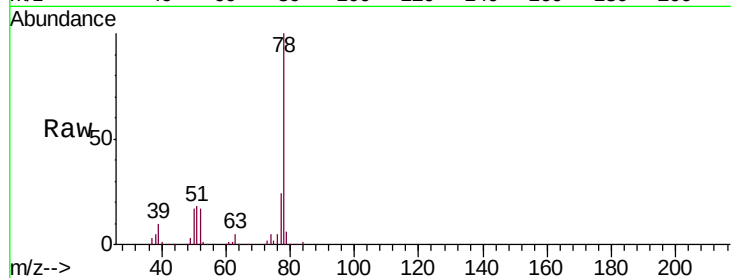
T11-MW-3-8.0-061919MS

Tgt Ion: 62 Resp: 2525

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

1500

1000

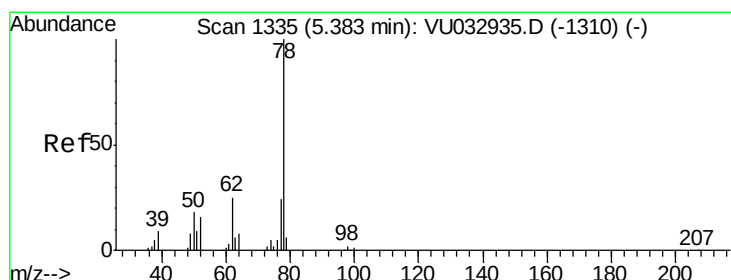
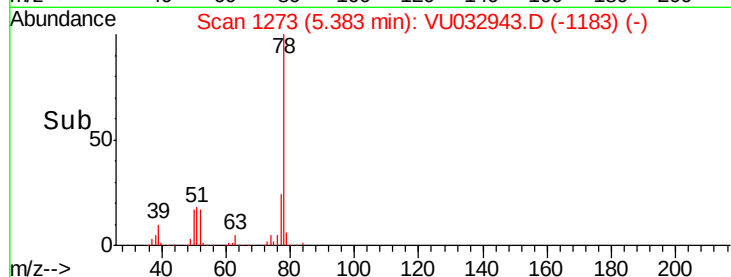
500

0

5.35 5.40

5.38

Time-->



#33

Benzene

Concen: 48.154 ug/L

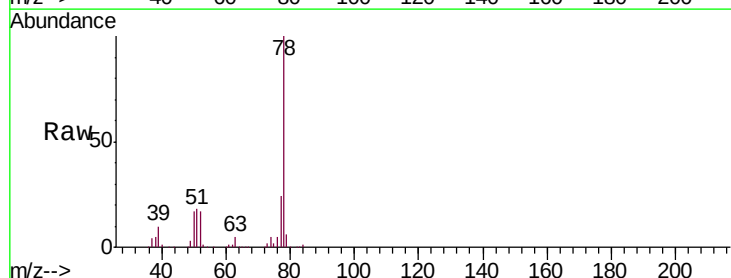
RT: 5.38 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VU032943.D

Acq: 21 Jun 2019 14:29

Tgt Ion: 78 Resp: 261982



Abundance Ion 78.00 (77.70 to 78.70): VU0

100000

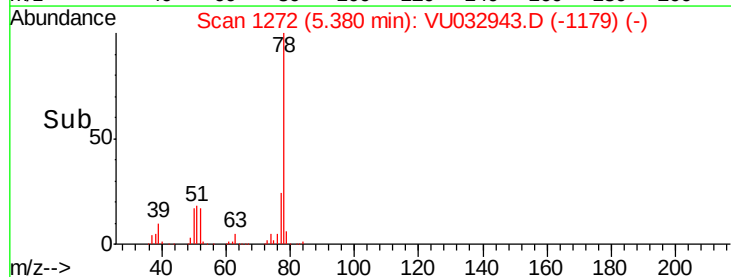
50000

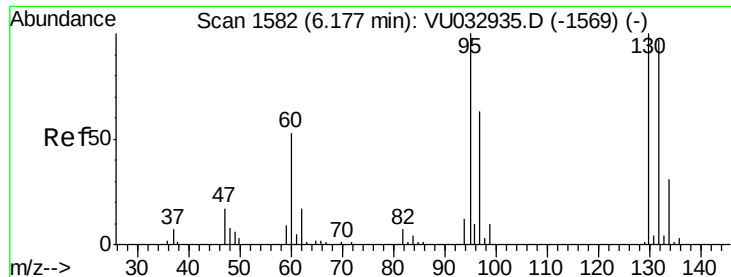
0

5.30 5.40 5.50

5.38

Time-->

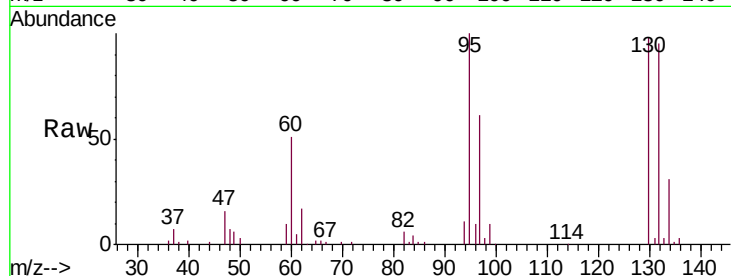




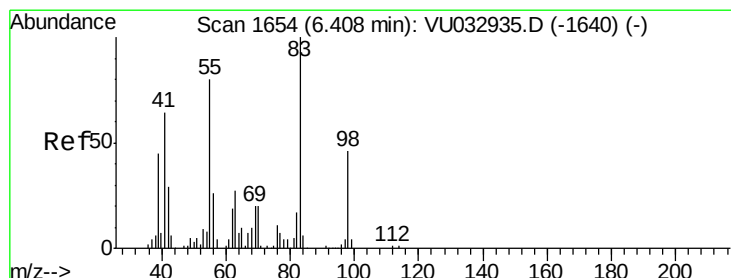
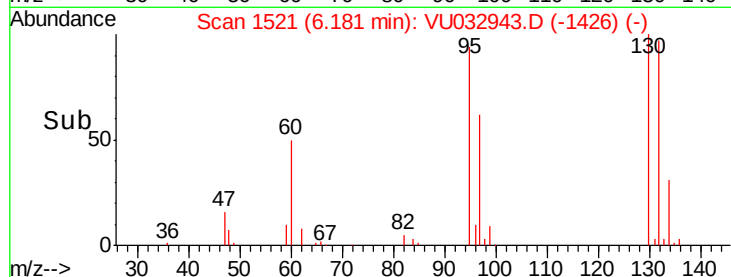
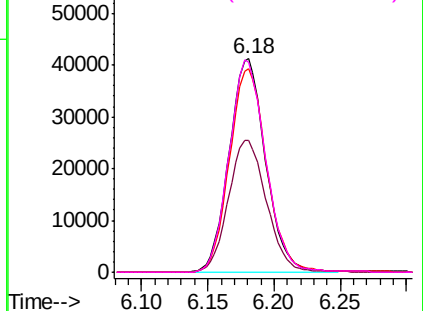
#34
 Trichloroethene
 Concen: 54.432 ug/L
 RT: 6.18 min Scan# 1521
 Delta R.T. 0.00 min
 Lab File: VU032943.D
 Acq: 21 Jun 2019 14:29

Instrument :
 MSVOA_U
 ClientSampleId :
 T11-MW-3-8.0-061919MS

Tgt Ion: 95 Resp: 79124
 Ion Ratio Lower Upper
 95 100
 97 61.5 45.9 85.3
 132 95.2 68.5 127.3
 130 98.5 70.8 131.4

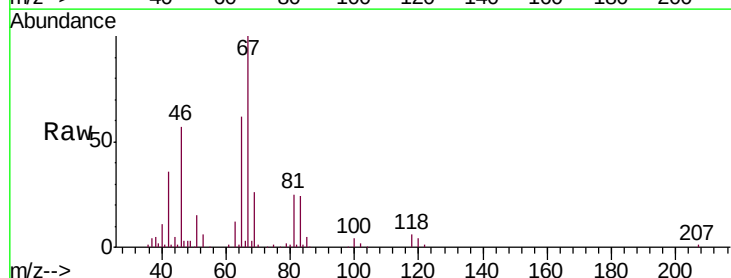


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

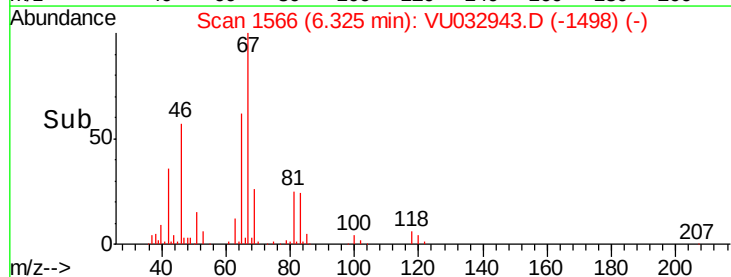
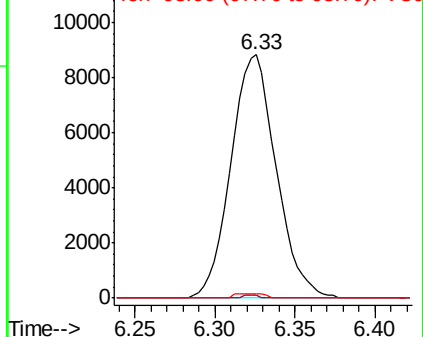


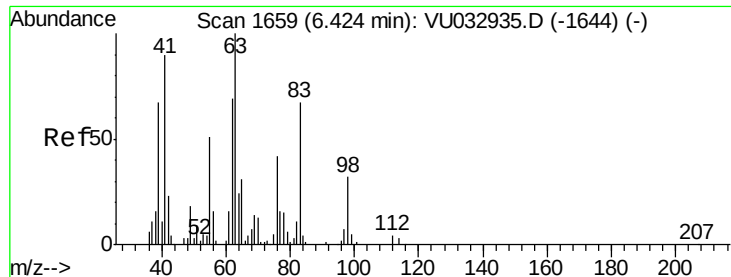
#35
 Methylcyclohexane
 Concen: 7.586 ug/L
 RT: 6.33 min Scan# 1566
 Delta R.T. -0.08 min
 Lab File: VU032943.D
 Acq: 21 Jun 2019 14:29

Tgt Ion: 83 Resp: 17045
 Ion Ratio Lower Upper
 83 100
 55 0.4 62.6 94.0#
 98 1.2 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

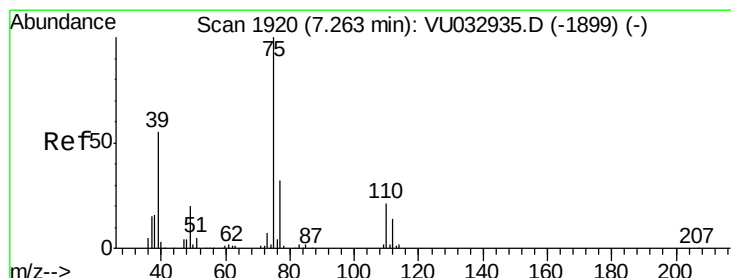
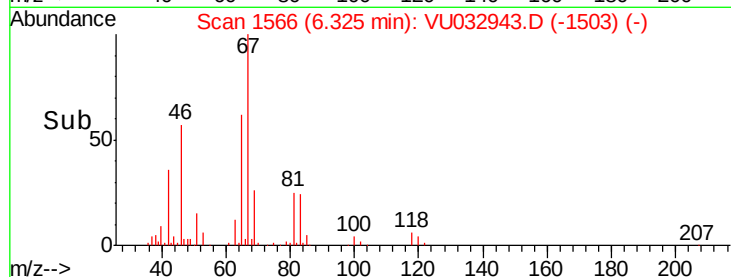
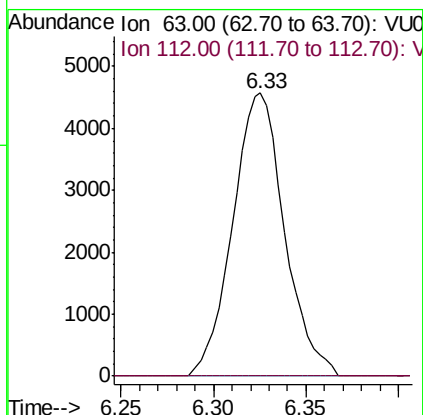
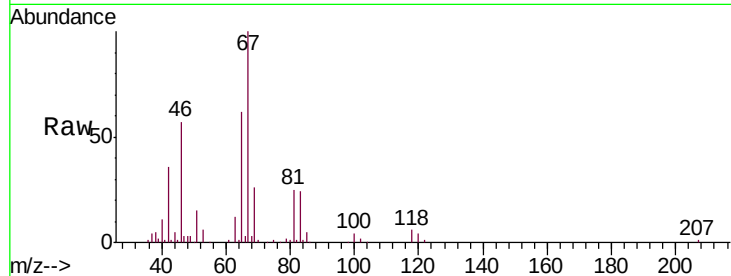




#37
 1,2-Dichloropropane
 Concen: 5.949 ug/L
 RT: 6.33 min Scan# 1566
 Delta R.T. -0.10 min
 Lab File: VU032943.D
 Acq: 21 Jun 2019 14:29

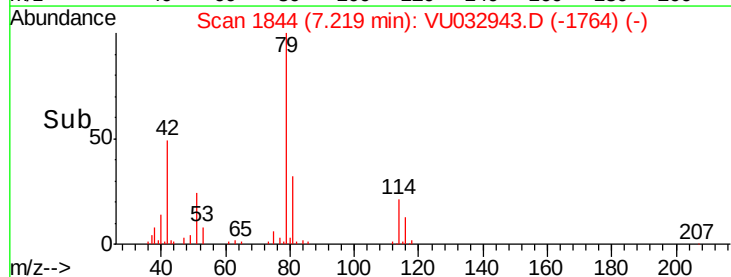
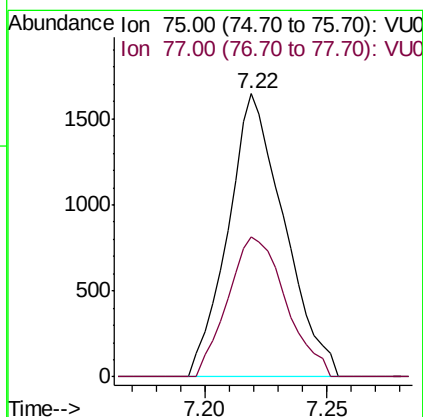
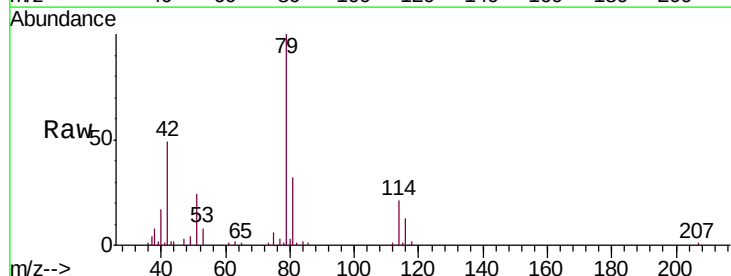
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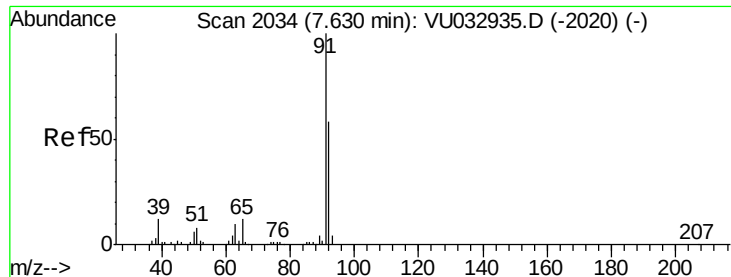
Tgt Ion: 63 Resp: 8878
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 1.132 ug/L
 RT: 7.22 min Scan# 1844
 Delta R.T. -0.04 min
 Lab File: VU032943.D
 Acq: 21 Jun 2019 14:29

Tgt Ion: 75 Resp: 2632
 Ion Ratio Lower Upper
 75 100
 77 49.5 21.9 40.7#





#42

Toluene

Concen: 47.707 ug/L

RT: 7.63 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VU032943.D

Acq: 21 Jun 2019 14:29

Instrument :

MSVOA_U

ClientSampleId :

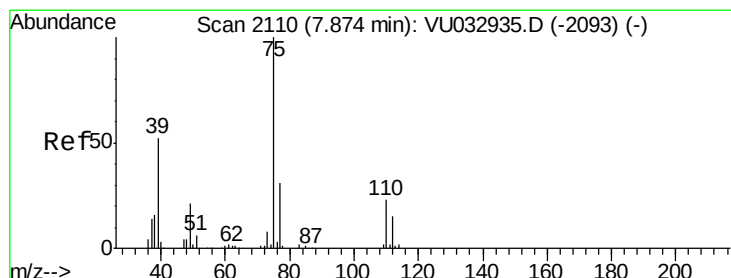
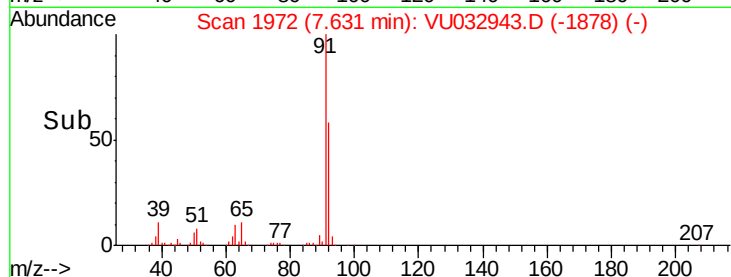
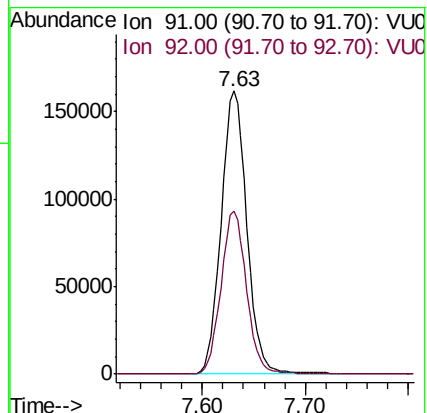
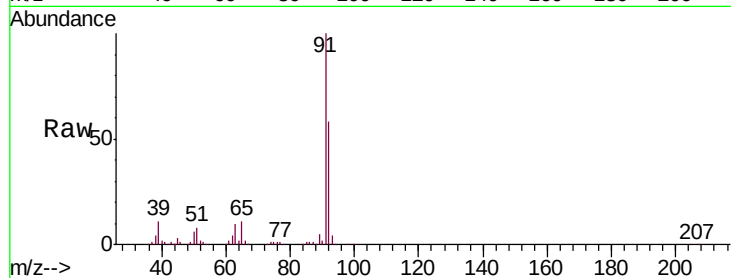
T11-MW-3-8.0-061919MS

Tgt Ion: 91 Resp: 280823

Ion Ratio Lower Upper

91 100

92 57.6 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 0.855 ug/L

RT: 7.84 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VU032943.D

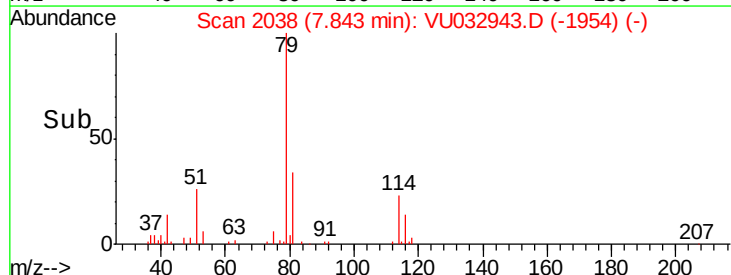
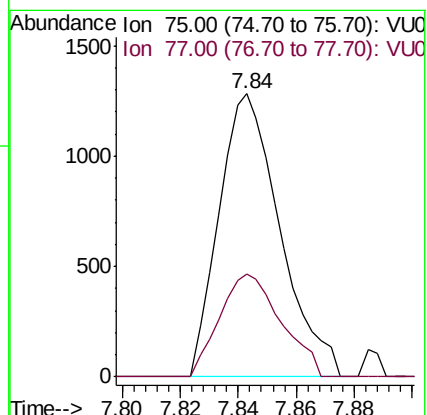
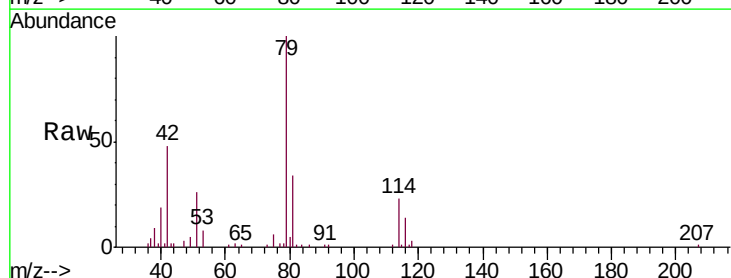
Acq: 21 Jun 2019 14:29

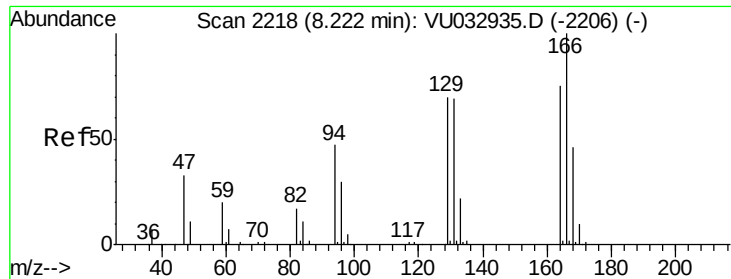
Tgt Ion: 75 Resp: 1867

Ion Ratio Lower Upper

75 100

77 36.5 21.8 40.4





#46

Tetrachloroethene

Concen: 11.157 ug/L

RT: 8.22 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VU032943.D

Acq: 21 Jun 2019 14:29

Instrument :

MSVOA_U

ClientSampleId :

T11-MW-3-8.0-061919MS

Tgt Ion:164 Resp: 13289

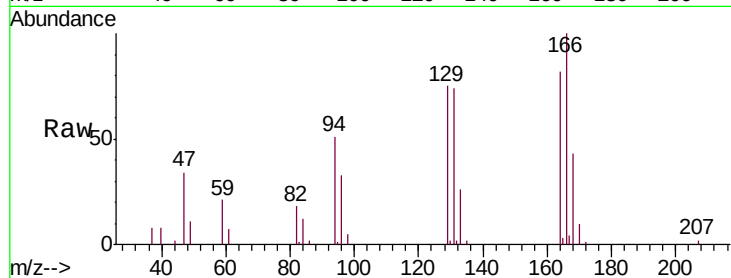
Ion Ratio Lower Upper

164 100

129 92.2 64.8 120.3

131 90.8 64.5 119.7

166 122.7 91.3 169.6



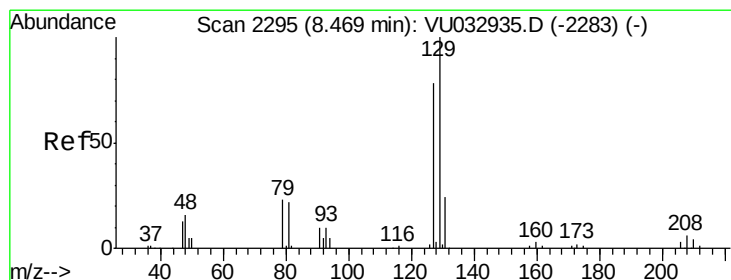
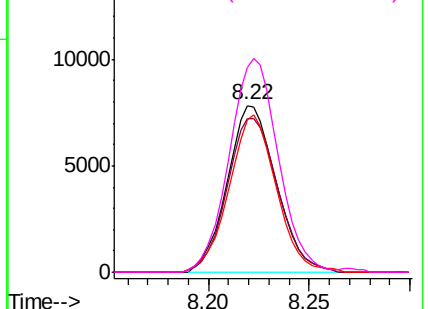
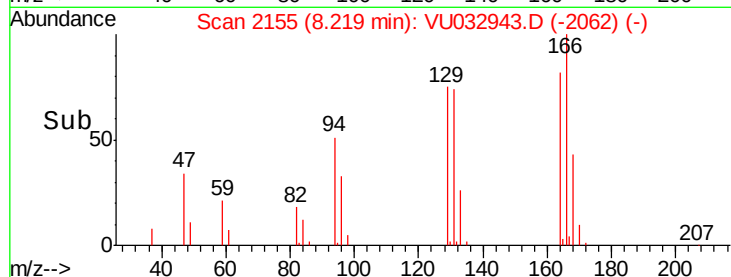
Abundance

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



#49

Dibromochloromethane

Concen: 7.588 ug/L

RT: 8.22 min Scan# 2155

Delta R.T. -0.25 min

Lab File: VU032943.D

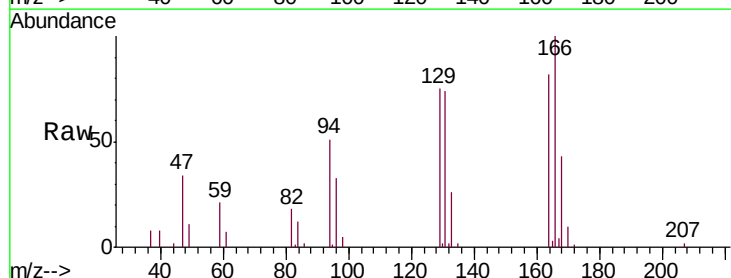
Acq: 21 Jun 2019 14:29

Tgt Ion:129 Resp: 12706

Ion Ratio Lower Upper

129 100

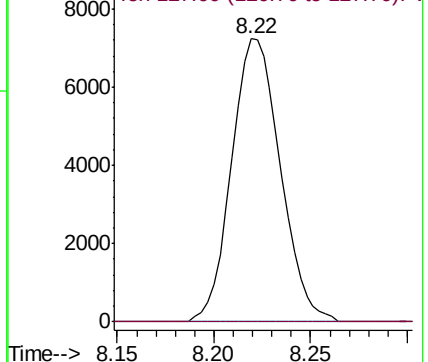
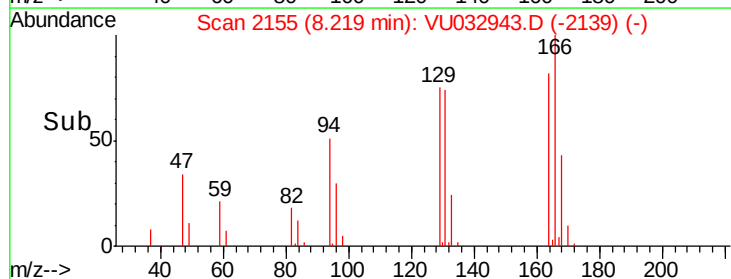
127 0.0 52.3 97.1#

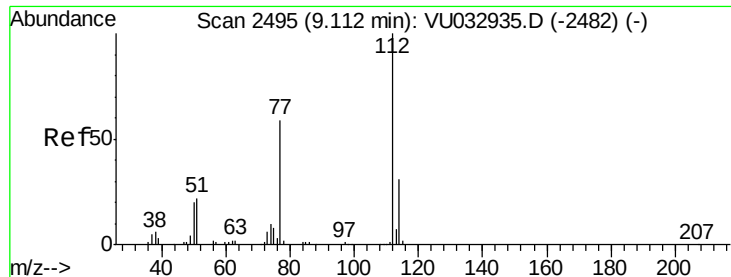


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

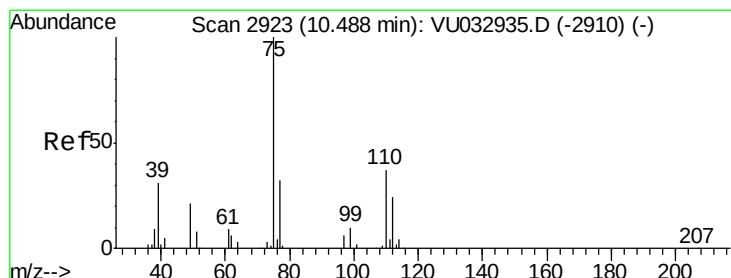
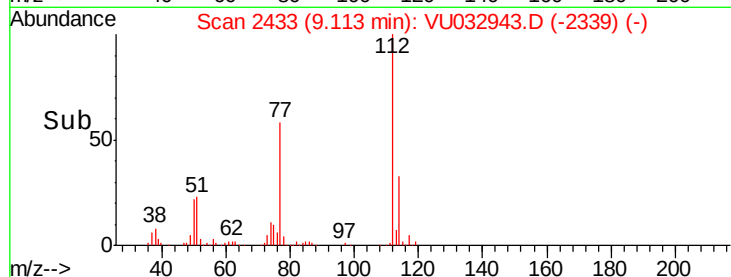
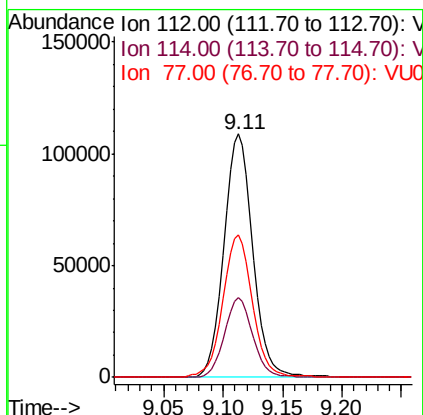
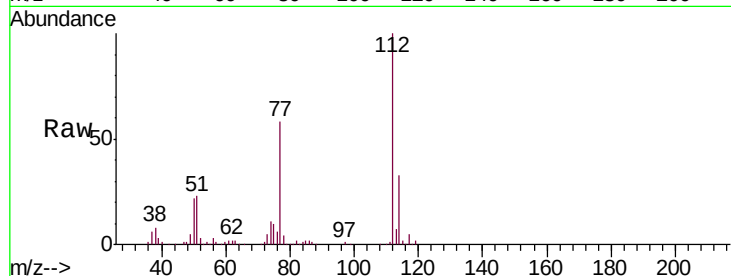




#51
Chlorobenzene
Concen: 47.268 ug/L
RT: 9.11 min Scan# 2433
Delta R.T. 0.00 min
Lab File: VU032943.D
Acq: 21 Jun 2019 14:29

Instrument :
MSVOA_U
ClientSampleId :
T11-MW-3-8.0-061919MS

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.8	22.8	42.4
77	58.4	46.3	69.5



#59
1,2,3-Trichloropropane
Concen: 5.899 ug/L
RT: 11.48 min Scan# 3169
Delta R.T. 0.99 min
Lab File: VU032943.D
Acq: 21 Jun 2019 14:29

Tgt Ion	Ratio	Lower	Upper
75	100		
77	38.9	25.5	38.3#

