

Data File : VU035105.D
Acq On : 11 Oct 2019 21:34
Operator : JC/SP
Sample : K5310-11DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MW-1D-001-01DL

Quant Time: Oct 12 02:48:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 12 02:39:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	176196	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	182417	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	64986	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	52620	5.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.00%
7) Chloroethane-d5	1.67	69	52508	5.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.00%
11) 1,1-Dichloroethene-d2	2.26	63	80967	3.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.80%
20) 2-Butanone-d5	4.17	46	156530	51.03	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.06%
24) Chloroform-d	4.62	84	101525	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.20%
26) 1,2-Dichloroethane-d4	5.29	65	58338	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
32) Benzene-d6	5.32	84	197616	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
36) 1,2-Dichloropropane-d6	6.31	67	68736	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.20%
41) Toluene-d8	7.55	98	172377	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.40%
43) trans-1,3-Dichloropropene-	7.84	79	20750	4.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.60%
46) 2-Hexanone-d5	8.30	63	108593	44.37	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.74%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	56783	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.20%
64) 1,2-Dichlorobenzene-d4	11.84	152	57692	5.26	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.20%

Target Compounds

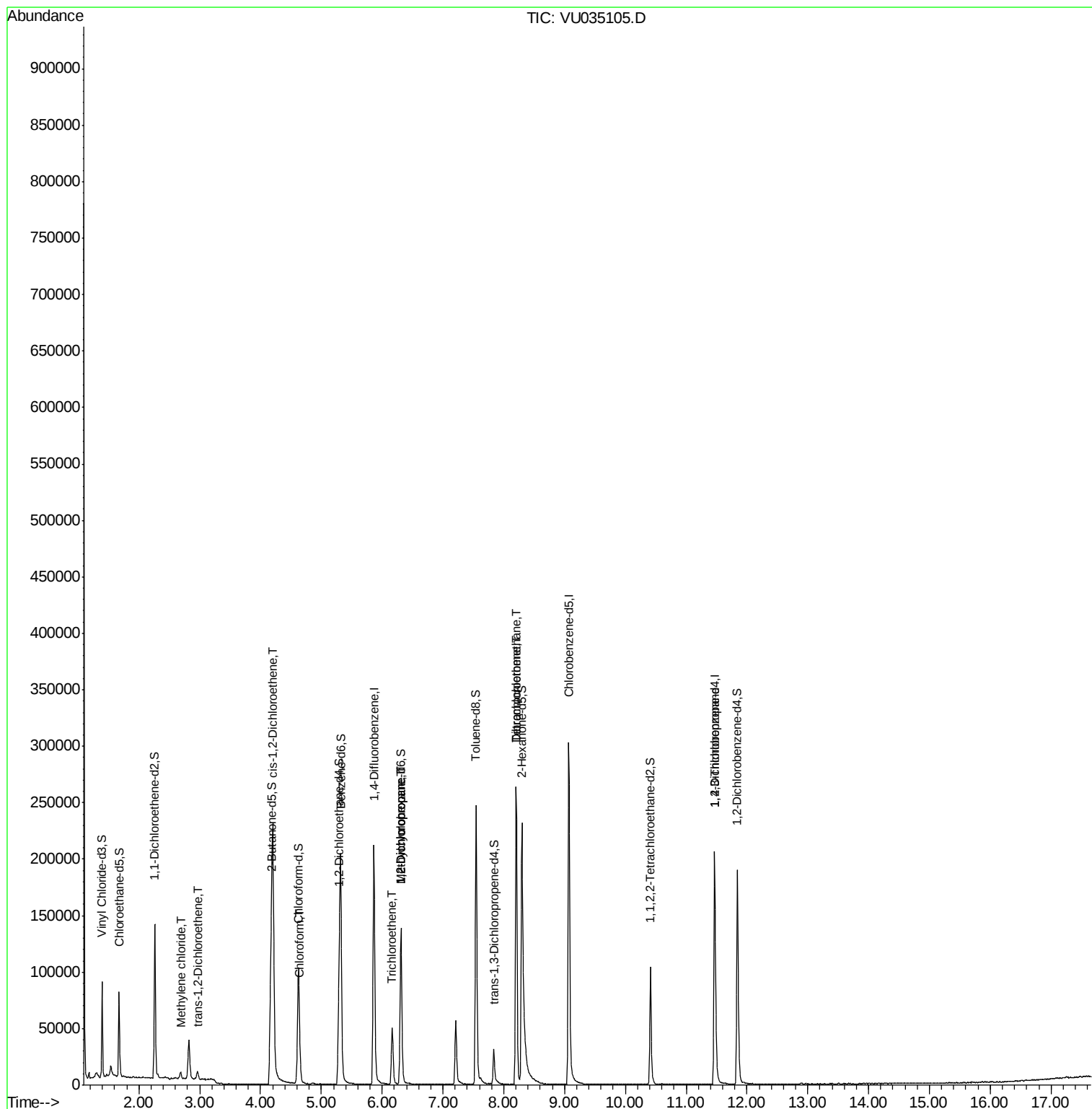
					Qvalue
16) Methylene chloride	2.68	84	2022	0.144 ug/L #	68
18) trans-1,2-Dichloroethene	2.96	96	2155	0.178 ug/L	90
22) cis-1,2-Dichloroethene	4.20	96	111486	8.247 ug/L	87
25) Chloroform	4.65	83	6382	0.236 ug/L	96
34) Trichloroethene	6.17	95	18514	1.306 ug/L	97
35) Methylcyclohexane	6.31	83	15400	0.671 ug/L #	19
37) 1,2-Dichloropropane	6.31	63	7568	0.511 ug/L #	89
47) Tetrachloroethene	8.21	164	58455	5.096 ug/L	94
49) Dibromochloromethane	8.21	129	56480	4.965 ug/L #	12
59) 1,2,3-Trichloropropane	11.47	75	8312	0.866 ug/L	91

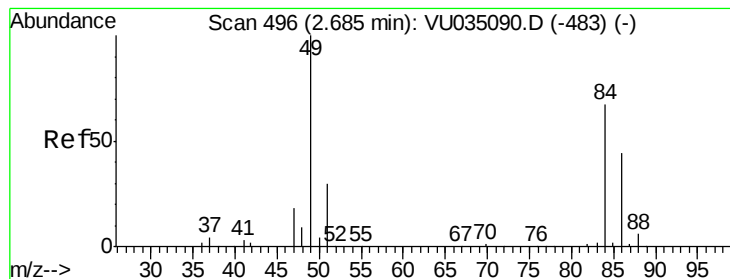
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#16

Methylene chloride

Concen: 0.144 ug/L

RT: 2.68 min Scan# 496

Delta R.T. 0.00 min

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Acq: 11 Oct 2019 21:34

Instrument :

MSVOA_U

ClientSampleId :

MW-1D-001-01DL

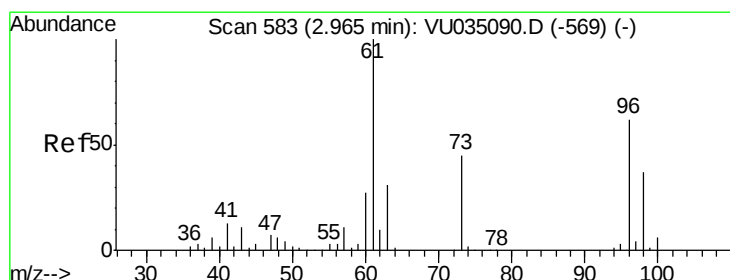
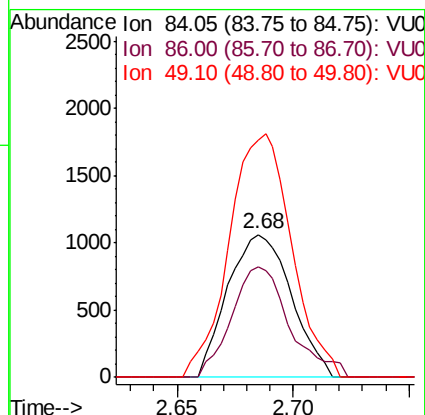
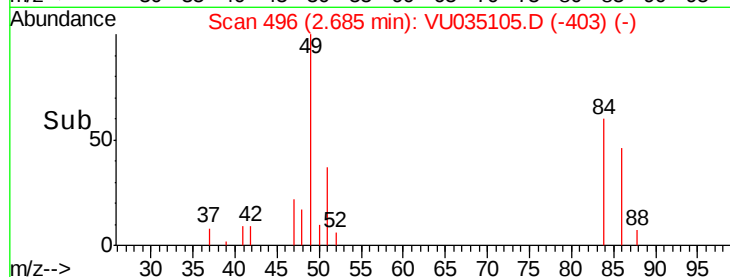
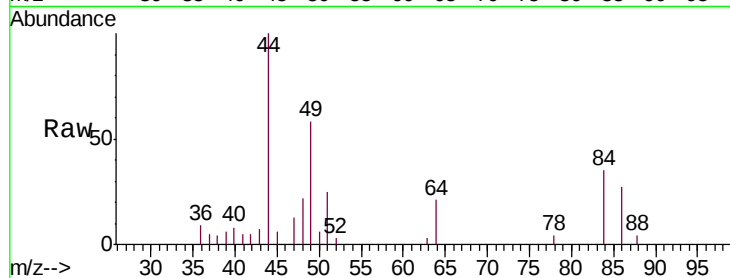
Tgt Ion: 84 Resp: 2022

Ion Ratio Lower Upper

84 100

86 77.0 42.5 78.9

49 165.9 86.9 161.3#



#18

trans-1,2-Dichloroethene

Concen: 0.178 ug/L

RT: 2.96 min Scan# 582

Delta R.T. -0.00 min

Lab File: VU035105.D

Acq: 11 Oct 2019 21:34

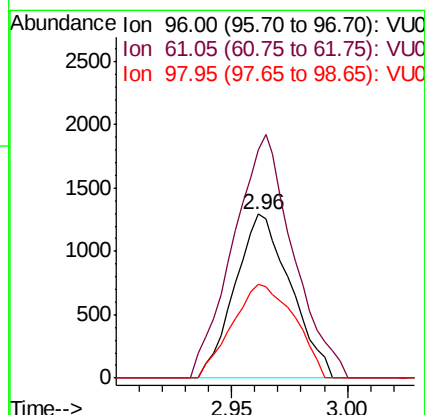
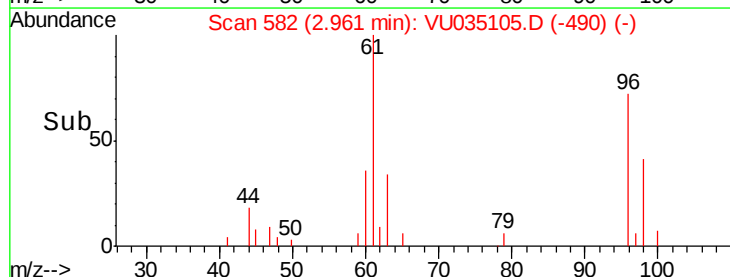
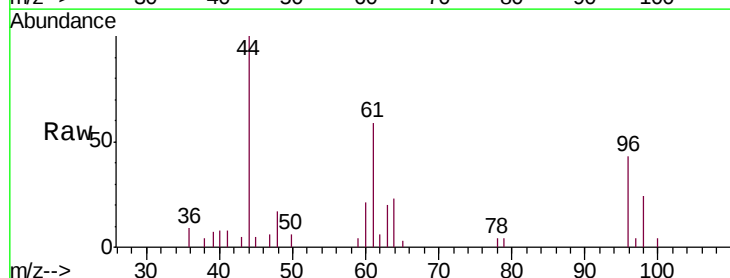
Tgt Ion: 96 Resp: 2155

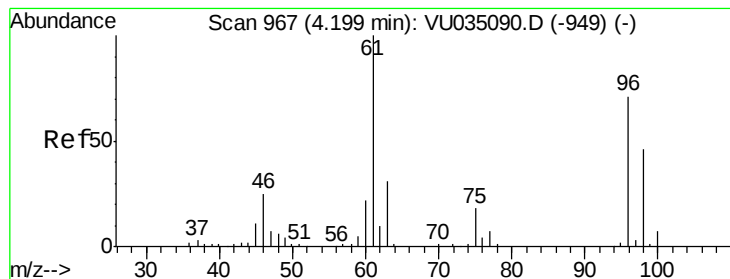
Ion Ratio Lower Upper

96 100

61 139.3 107.1 198.9

98 57.4 45.4 84.4





#22

cis-1,2-Dichloroethene

Concen: 8.247 ug/L

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU035105.D

Acq: 11 Oct 2019 21:34

Instrument :

MSVOA_U

ClientSampleId :

MW-1D-001-01DL

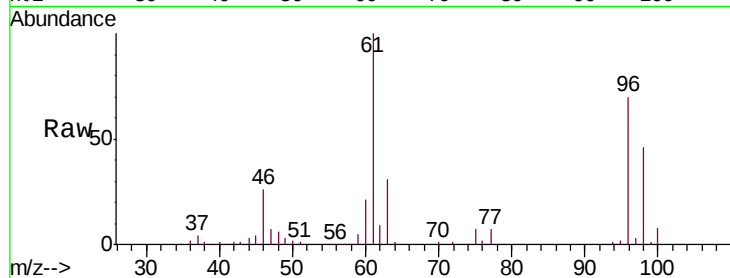
Tgt Ion: 96 Resp: 111486

Ion Ratio Lower Upper

96 100

61 142.9 89.2 165.6

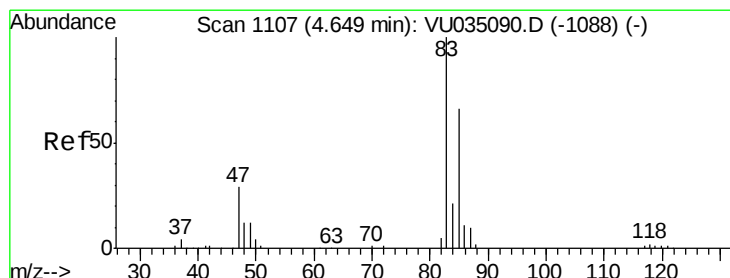
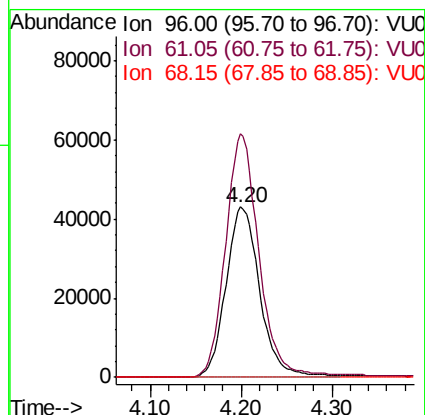
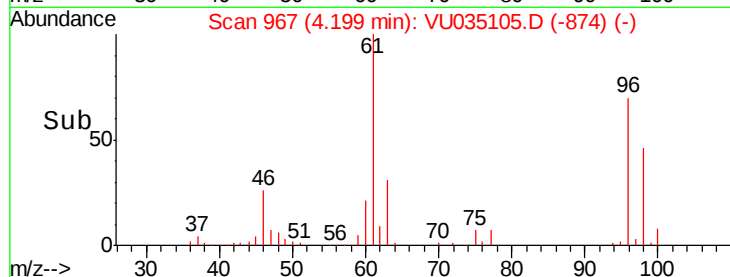
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035105.D (-967) (-)

Ion 61.05 (60.75 to 61.75): VU035105.D (-967) (-)

Ion 68.15 (67.85 to 68.85): VU035105.D (-967) (-)



#25

Chloroform

Concen: 0.236 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VU035105.D

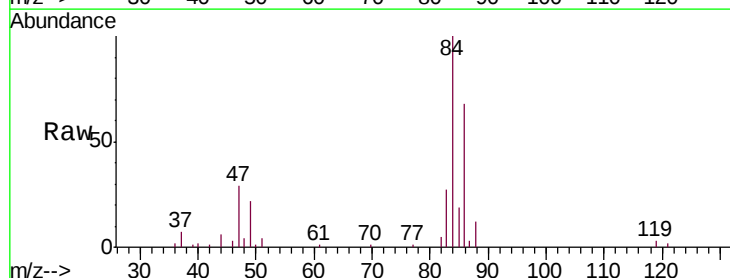
Acq: 11 Oct 2019 21:34

Tgt Ion: 83 Resp: 6382

Ion Ratio Lower Upper

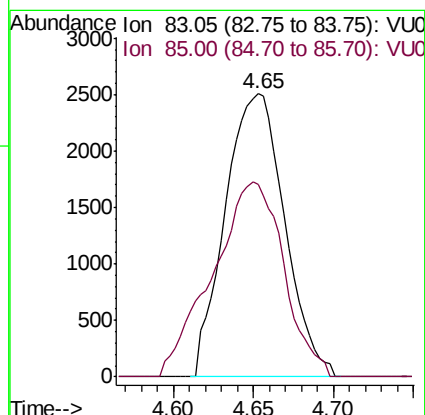
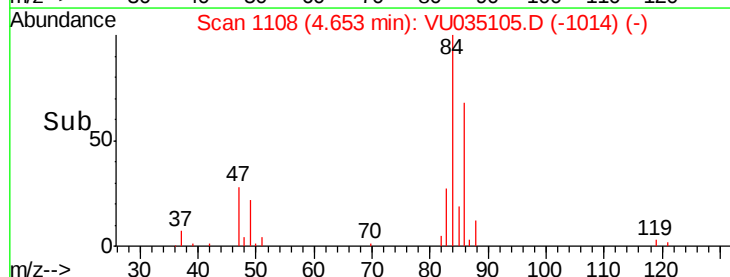
83 100

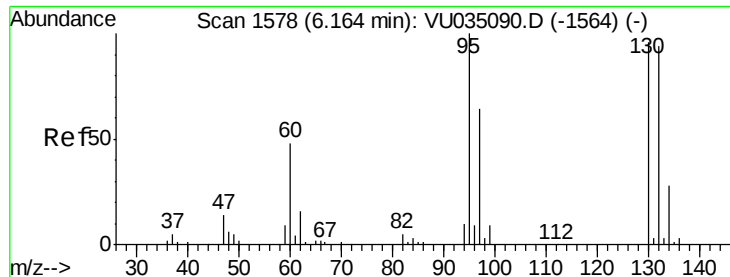
85 68.1 45.4 84.4



Abundance Ion 83.05 (82.75 to 83.75): VU035105.D (-1107) (-)

Ion 85.00 (84.70 to 85.70): VU035105.D (-1107) (-)





#34

Trichloroethene

Concen: 1.306 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU035105.D

Acq: 11 Oct 2019 21:34

Instrument :

MSVOA_U

ClientSampleId :

MW-1D-001-01DL

Tgt Ion: 95 Resp: 18514

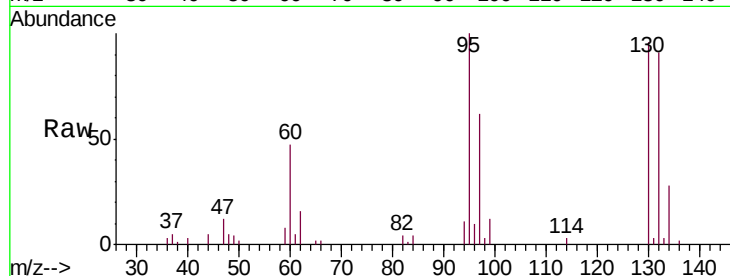
Ion Ratio Lower Upper

95 100

97 61.5 44.5 82.7

132 91.4 66.6 123.8

130 96.2 68.9 127.9

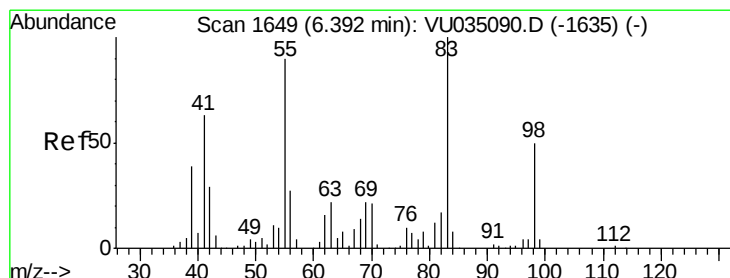
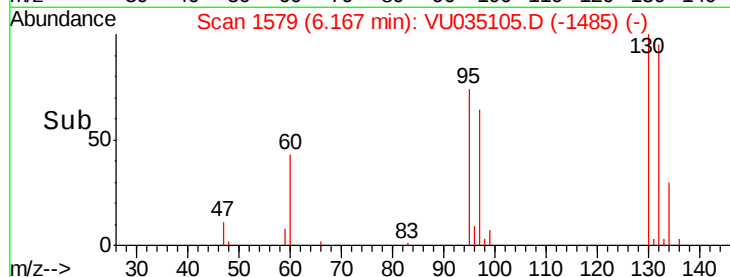
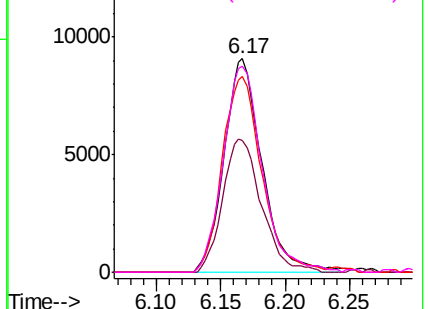


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.671 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.08 min

Lab File: VU035105.D

Acq: 11 Oct 2019 21:34

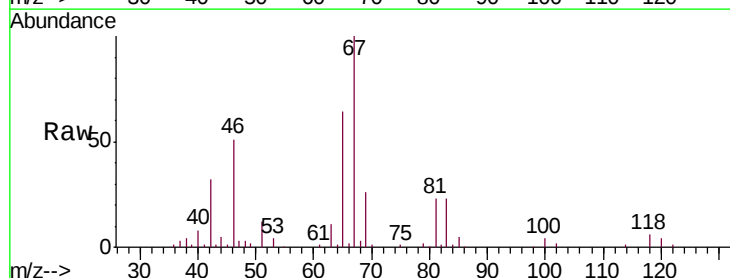
Tgt Ion: 83 Resp: 15400

Ion Ratio Lower Upper

83 100

55 0.3 62.6 94.0#

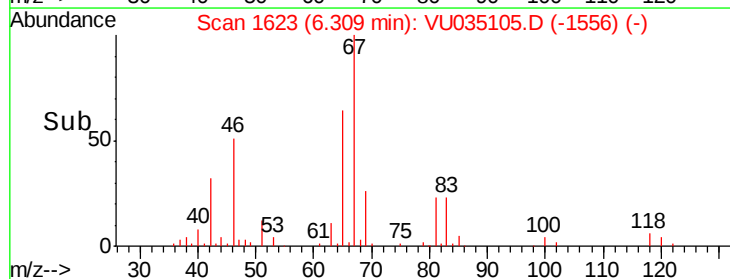
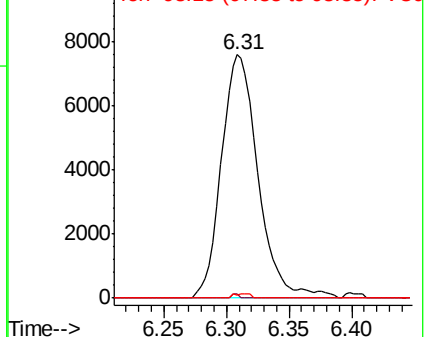
98 0.8 36.2 54.2#

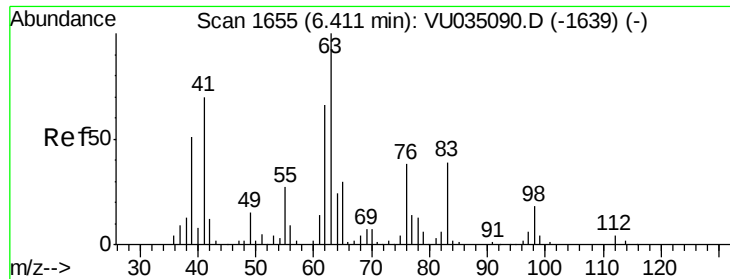


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

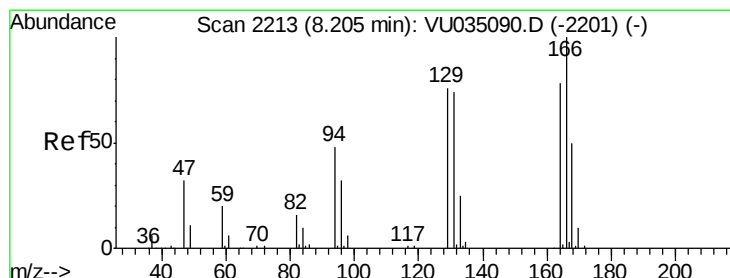
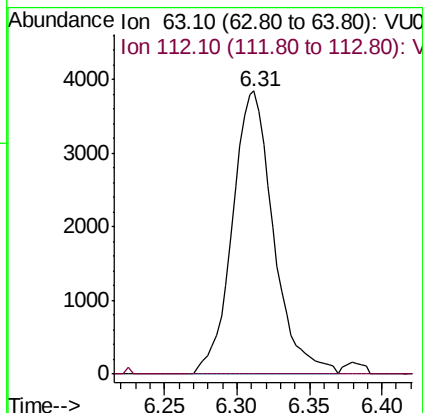
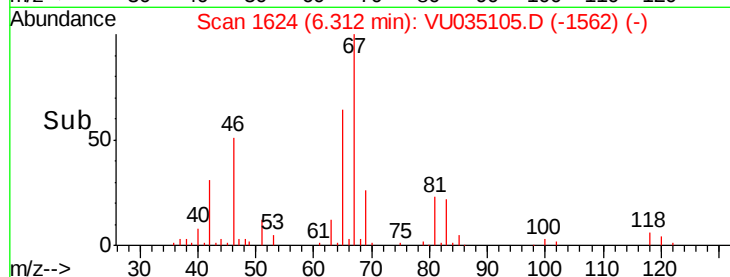
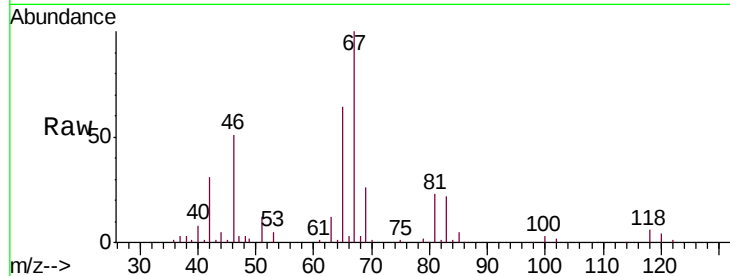




#37
 1,2-Dichloropropane
 Concen: 0.511 ug/L
 RT: 6.31 min Scan# 1624
 Delta R.T. -0.10 min
 Lab File: VU035105.D
 Acq: 11 Oct 2019 21:34

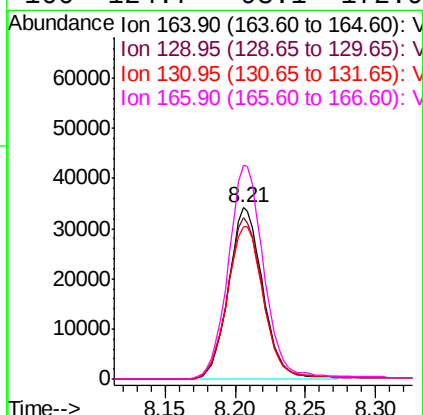
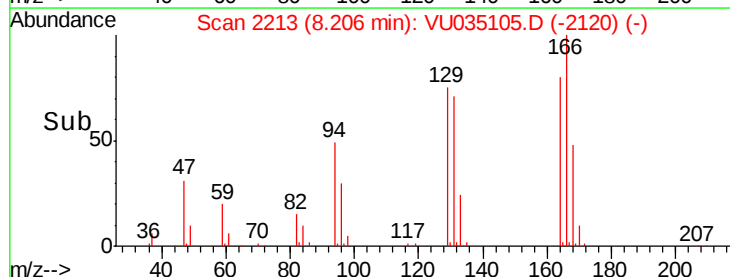
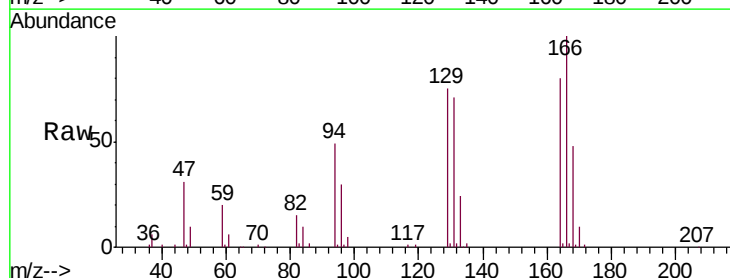
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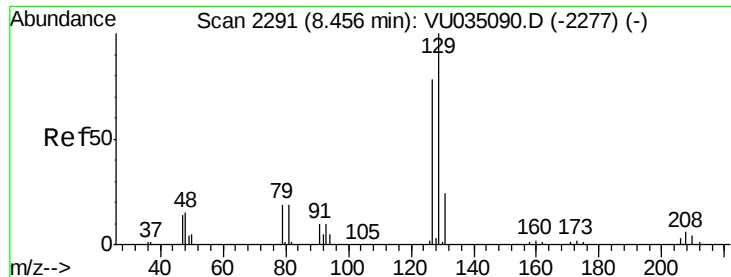
Tgt Ion: 63 Resp: 7568
 Ion Ratio Lower Upper
 63 100
 112 0.3 3.1 4.7#



#47
 Tetrachloroethene
 Concen: 5.096 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. 0.00 min
 Lab File: VU035105.D
 Acq: 11 Oct 2019 21:34

Tgt Ion: 164 Resp: 58455
 Ion Ratio Lower Upper
 164 100
 129 93.9 68.5 127.1
 131 89.0 67.3 124.9
 166 124.7 93.1 172.9

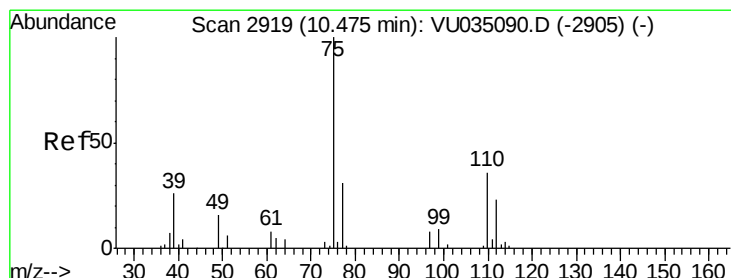
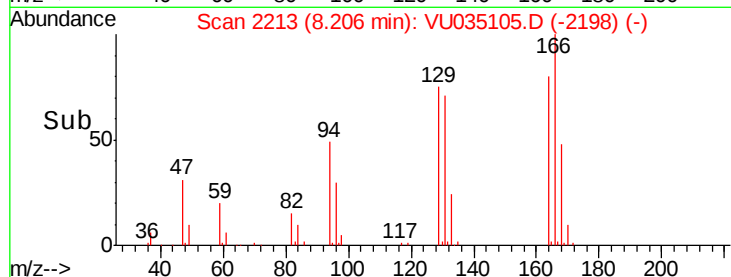
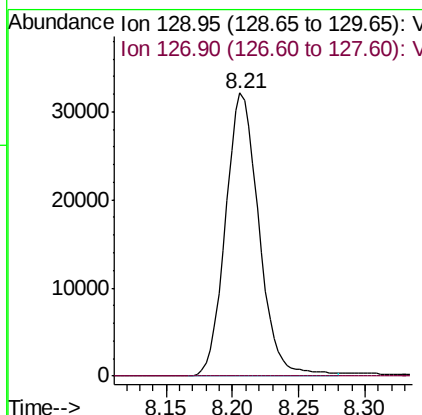
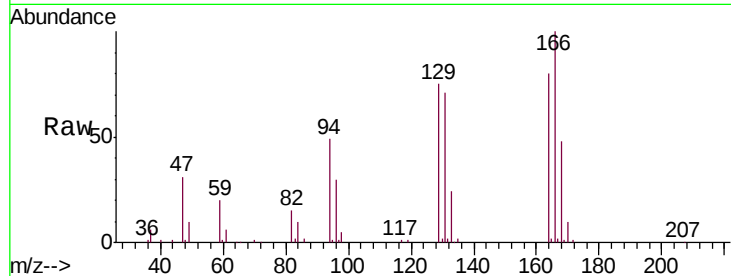




#49
 Dibromochloromethane
 Concen: 4.965 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. -0.25 min
 Lab File: VU035105.D
 Acq: 11 Oct 2019 21:34

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 ClientSampleId :
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Tgt Ion: 129 Resp: 56480
 Ion Ratio Lower Upper
 129 100
 127 0.0 51.9 96.5#



#59
 1,2,3-Trichloropropane
 Concen: 0.866 ug/L
 RT: 11.47 min Scan# 3228
 Delta R.T. 0.99 min
 Lab File: VU035105.D
 Acq: 11 Oct 2019 21:34

Tgt Ion: 75 Resp: 8312
 Ion Ratio Lower Upper
 75 100
 77 38.1 26.5 39.7

