

Data File : VU035107.D
Acq On : 11 Oct 2019 22:23
Operator : JC/SP
Sample : K5310-20DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
OU2-MW-2-001-01DL

Quant Time: Oct 12 02:48:47 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	174260	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	186145	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	66037	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	54234	5.27	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.40%
7) Chloroethane-d5	1.68	69	50352	5.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.80%
11) 1,1-Dichloroethene-d2	2.26	63	79861	3.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.60%
20) 2-Butanone-d5	4.17	46	150038	49.46	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.92%
24) Chloroform-d	4.62	84	94541	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.29	65	57523	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	5.32	84	199449	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
36) 1,2-Dichloropropane-d6	6.31	67	69386	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.20%
41) Toluene-d8	7.55	98	169501	4.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.20%
43) trans-1,3-Dichloropropene-	7.84	79	20877	3.98	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.60%
46) 2-Hexanone-d5	8.30	63	109280	43.75	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.50%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	57444	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.40%
64) 1,2-Dichlorobenzene-d4	11.85	152	57791	5.19	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.80%

Target Compounds

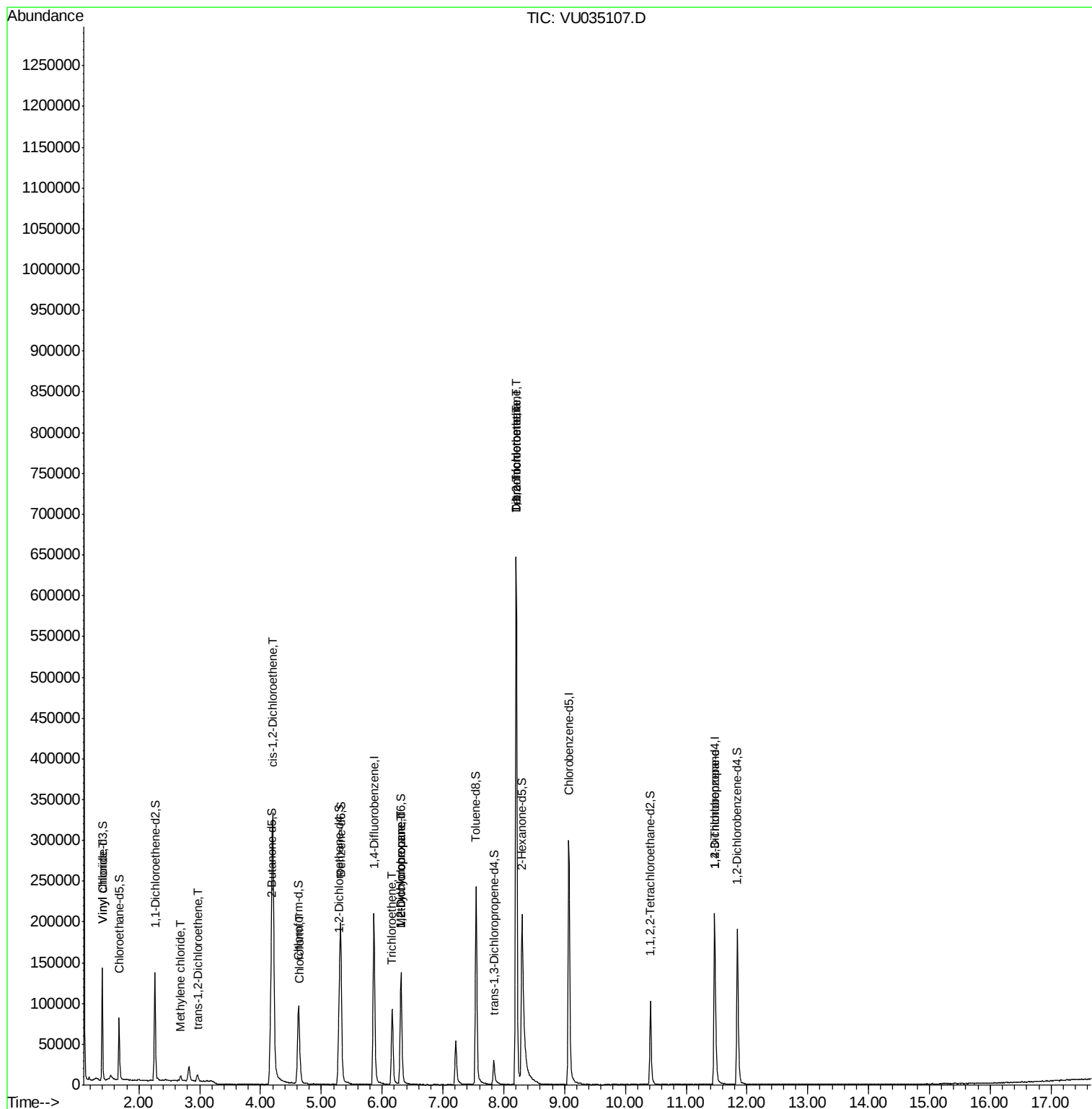
					Qvalue
5) Vinyl chloride	1.40	62	41194	2.401 ug/L	92
16) Methylene chloride	2.68	84	2316	0.167 ug/L #	73
18) trans-1,2-Dichloroethene	2.96	96	2970	0.248 ug/L	91
22) cis-1,2-Dichloroethene	4.20	96	171486	12.827 ug/L	90
25) Chloroform	4.65	83	11003	0.411 ug/L	99
34) Trichloroethene	6.16	95	33632	2.326 ug/L	95
35) Methylcyclohexane	6.31	83	15906	0.679 ug/L #	18
37) 1,2-Dichloropropane	6.31	63	7915	0.523 ug/L #	90
45) 1,1,2-Trichloroethane	8.21	97	1276	0.127 ug/L #	1
47) Tetrachloroethene	8.21	164	146800	12.541 ug/L	95
49) Dibromochloromethane	8.21	129	140616	12.114 ug/L #	13
59) 1,2,3-Trichloropropane	11.47	75	8707	0.889 ug/L	90

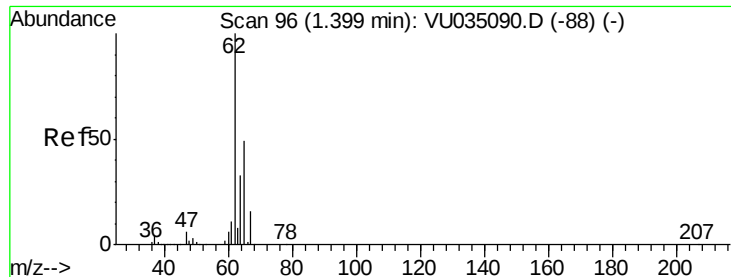
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 2.401 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU035107.D

Acq: 11 Oct 2019 22:23

Instrument :

MSVOA_U

ClientSampleId :

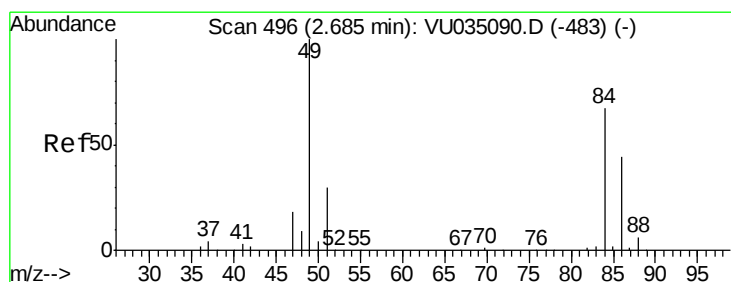
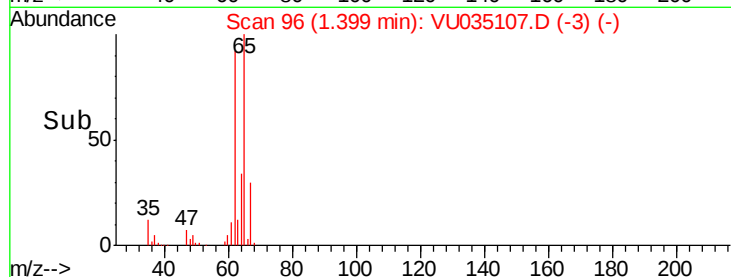
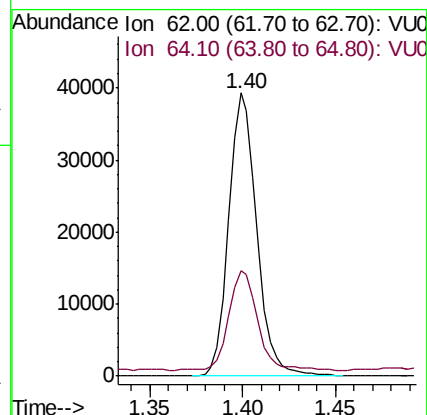
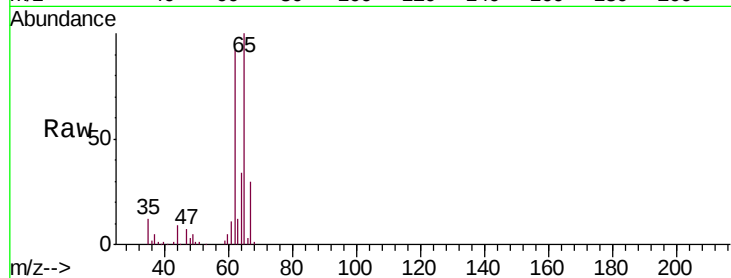
OU2-MW-2-001-01DL

Tgt Ion: 62 Resp: 41194

Ion Ratio Lower Upper

62 100

64 37.3 22.8 42.4



#16

Methylene chloride

Concen: 0.167 ug/L

RT: 2.68 min Scan# 496

Delta R.T. 0.00 min

Lab File: VU035107.D

Acq: 11 Oct 2019 22:23

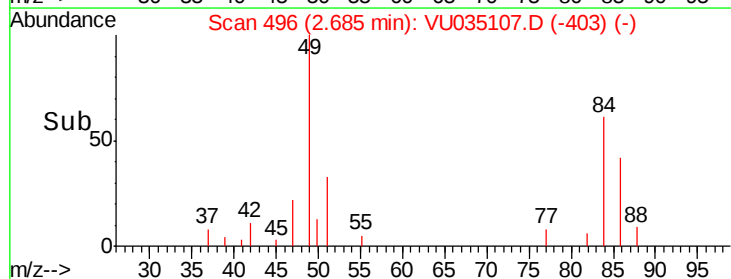
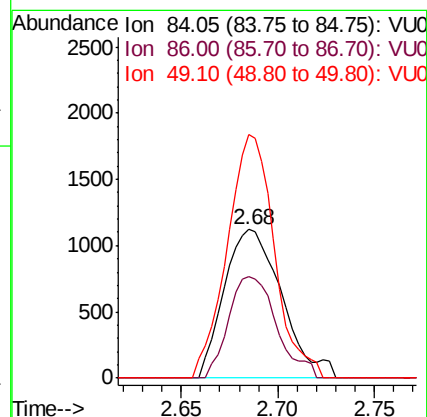
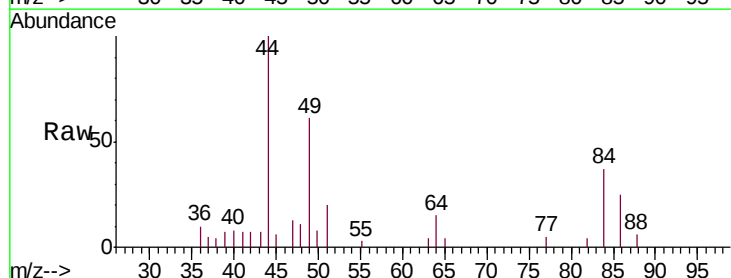
Tgt Ion: 84 Resp: 2316

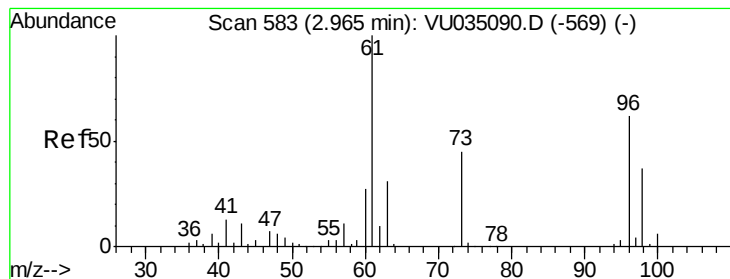
Ion Ratio Lower Upper

84 100

86 68.4 42.5 78.9

49 164.1 86.9 161.3#





#18

trans-1,2-Dichloroethene

Concen: 0.248 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU035107.D

Acq: 11 Oct 2019 22:23

Instrument :

MSVOA_U

ClientSampleId :

OU2-MW-2-001-01DL

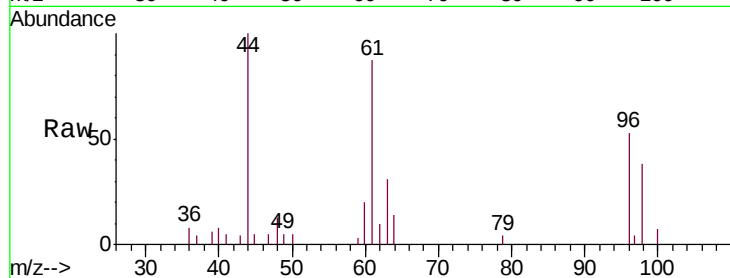
Tgt Ion: 96 Resp: 2970

Ion Ratio Lower Upper

96 100

61 164.7 107.1 198.9

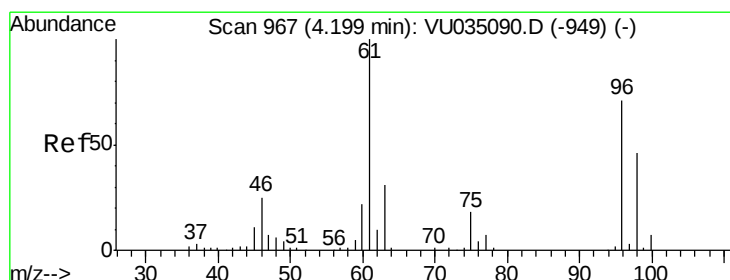
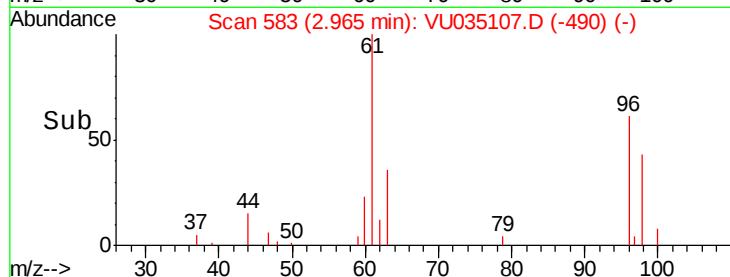
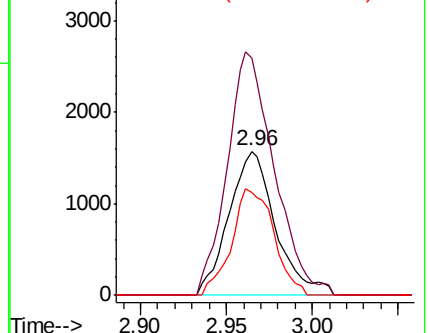
98 71.6 45.4 84.4



Abundance Ion 96.00 (95.70 to 96.70): VU035107.D (-490) (-)

Ion 61.05 (60.75 to 61.75): VU035107.D (-490) (-)

Ion 97.95 (97.65 to 98.65): VU035107.D (-490) (-)



#22

cis-1,2-Dichloroethene

Concen: 12.827 ug/L

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU035107.D

Acq: 11 Oct 2019 22:23

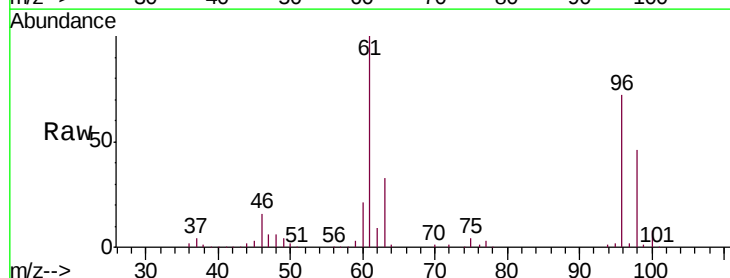
Tgt Ion: 96 Resp: 171486

Ion Ratio Lower Upper

96 100

61 138.6 89.2 165.6

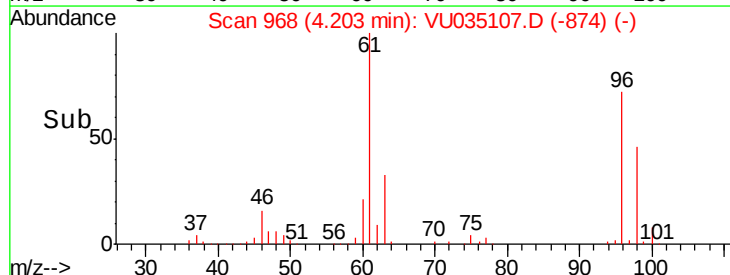
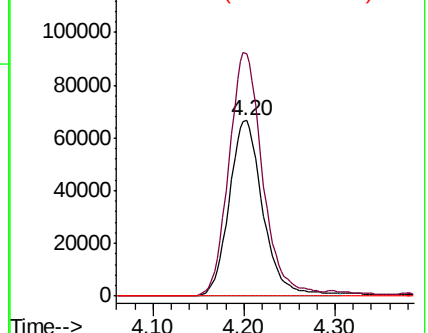
68 0.0 0.0 0.0

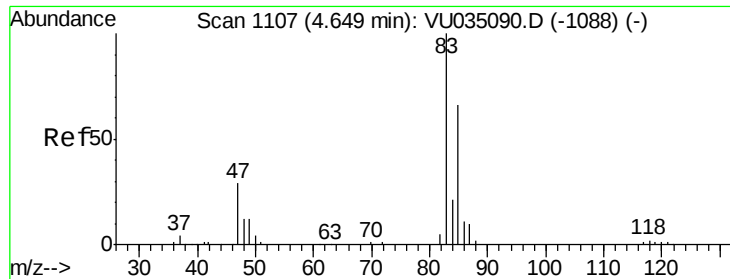


Abundance Ion 96.00 (95.70 to 96.70): VU035107.D (-874) (-)

Ion 61.05 (60.75 to 61.75): VU035107.D (-874) (-)

Ion 68.15 (67.85 to 68.85): VU035107.D (-874) (-)

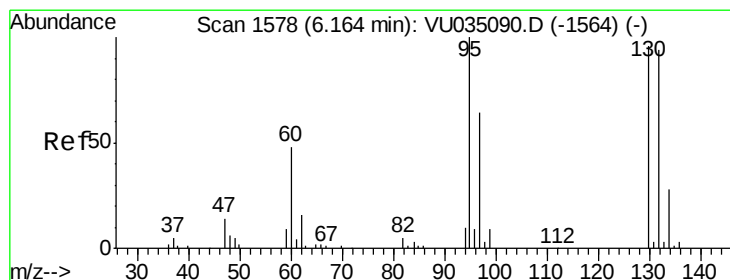
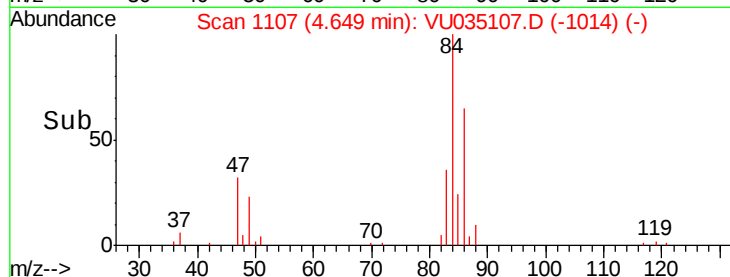
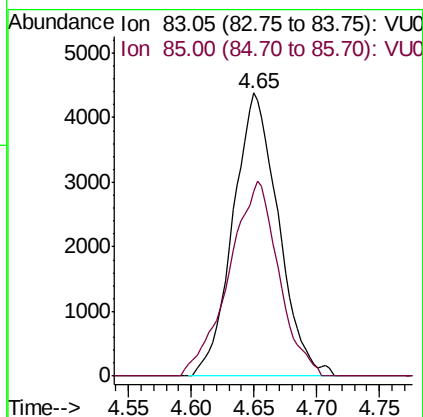
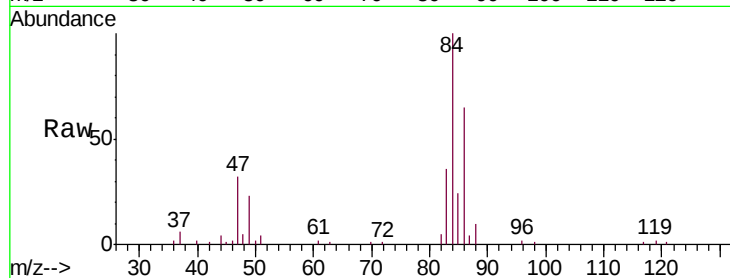




#25
Chloroform
Concen: 0.411 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU035107.D
Acq: 11 Oct 2019 22:23

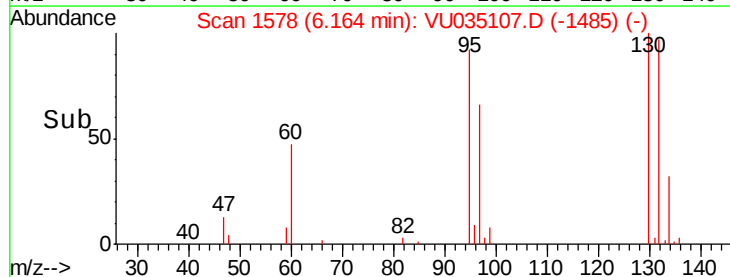
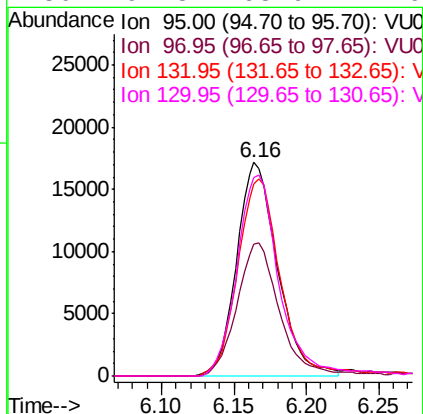
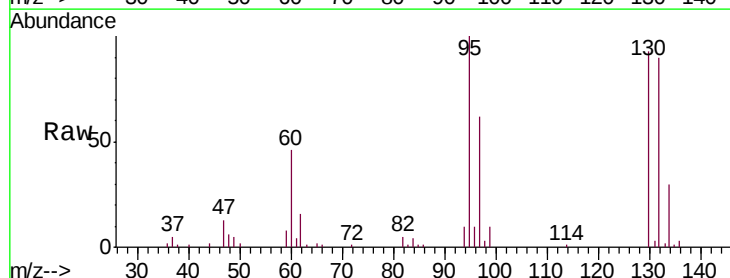
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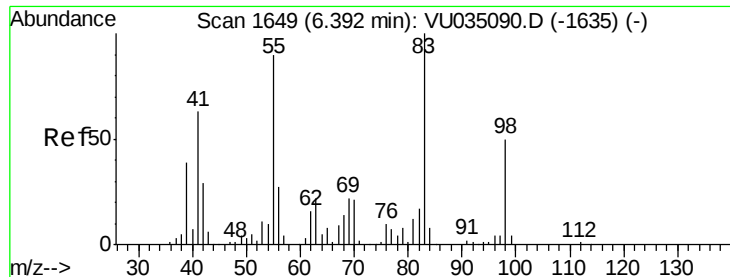
Tgt Ion: 83 Resp: 11003
Ion Ratio Lower Upper
83 100
85 65.4 45.4 84.4



#34
Trichloroethene
Concen: 2.326 ug/L
RT: 6.16 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VU035107.D
Acq: 11 Oct 2019 22:23

Tgt Ion: 95 Resp: 33632
Ion Ratio Lower Upper
95 100
97 61.7 44.5 82.7
132 90.1 66.6 123.8
130 92.8 68.9 127.9

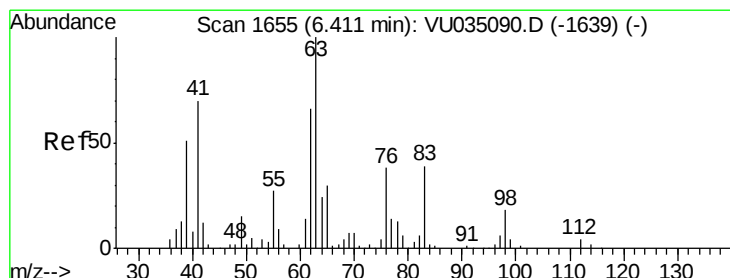
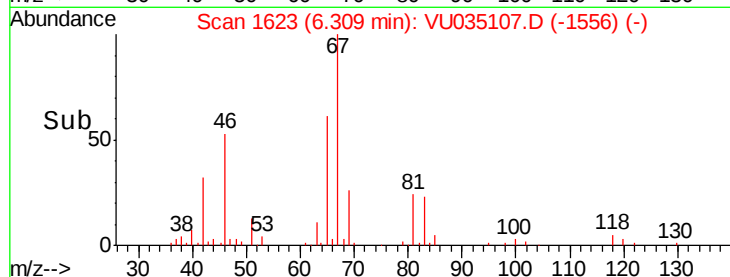
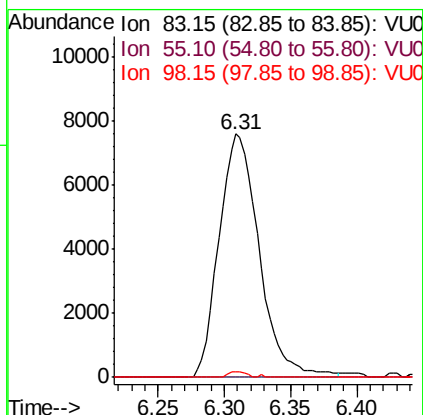
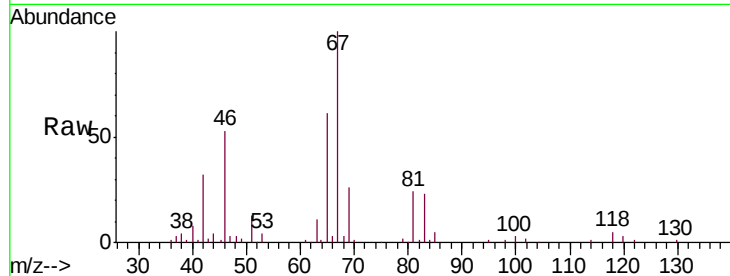




#35
Methylcyclohexane
Concen: 0.679 ug/L
RT: 6.31 min Scan# 1623
Delta R.T. -0.08 min
Lab File: VU035107.D
Acq: 11 Oct 2019 22:23

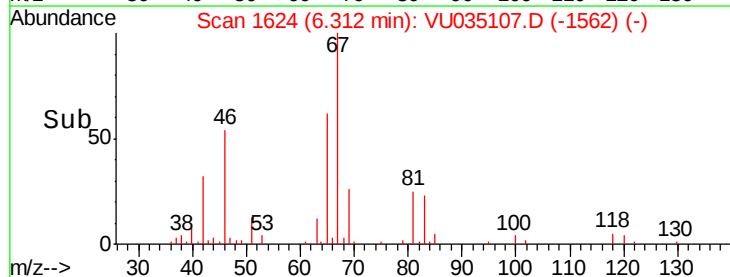
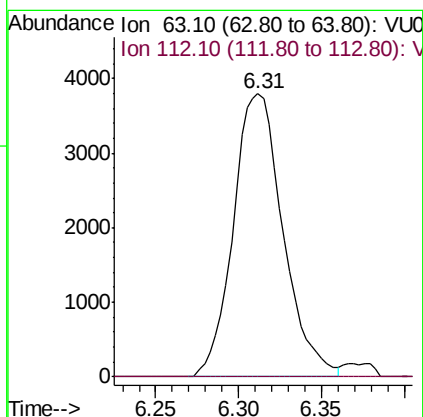
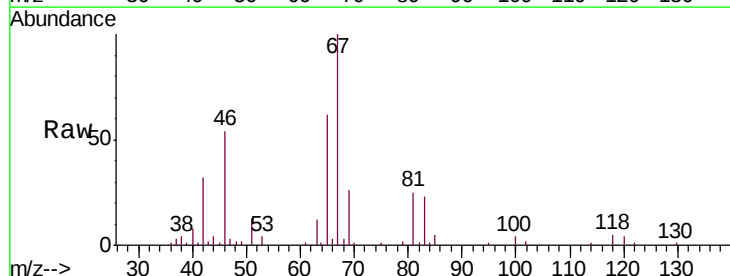
Instrument :
MSVOA_U
ClientSampleId :
OU2-MW-2-001-01DL

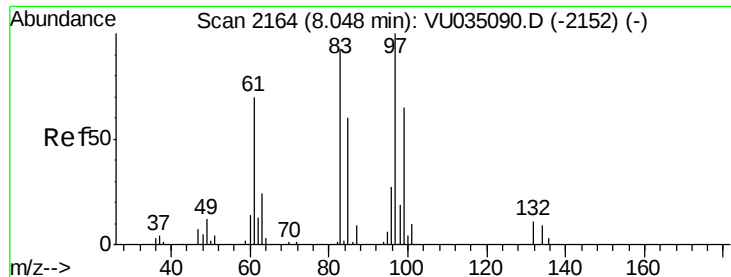
Tgt Ion: 83 Resp: 15906
Ion Ratio Lower Upper
83 100
55 0.0 62.6 94.0#
98 1.1 36.2 54.2#



#37
1,2-Dichloropropane
Concen: 0.523 ug/L
RT: 6.31 min Scan# 1624
Delta R.T. -0.10 min
Lab File: VU035107.D
Acq: 11 Oct 2019 22:23

Tgt Ion: 63 Resp: 7915
Ion Ratio Lower Upper
63 100
112 0.6 3.1 4.7#





#45

1,1,2-Trichloroethane

Concen: 0.127 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. 0.16 min

Lab File: VU035107.D

Acq: 11 Oct 2019 22:23

Instrument :

MSVOA_U

ClientSampleId :

OU2-MW-2-001-01DL

Tgt Ion: 97 Resp: 1276

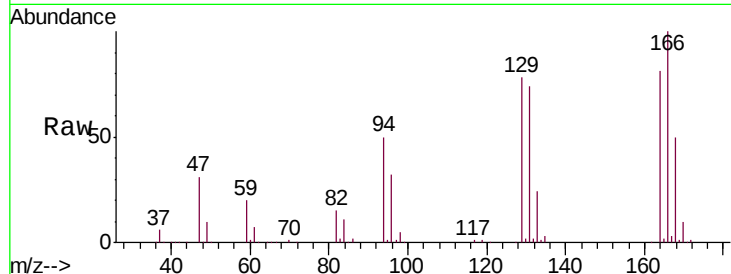
Ion Ratio Lower Upper

97 100

99 14.9 42.3 78.5#

83 285.5 58.0 107.6#

85 52.4 37.8 70.2

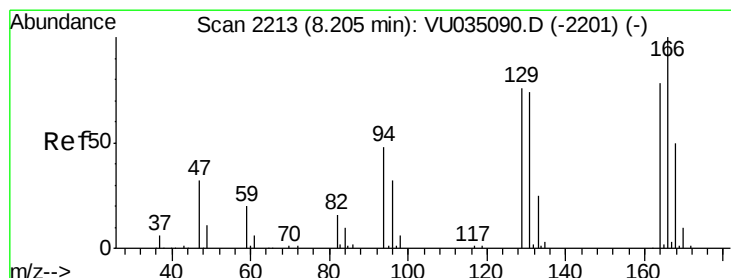
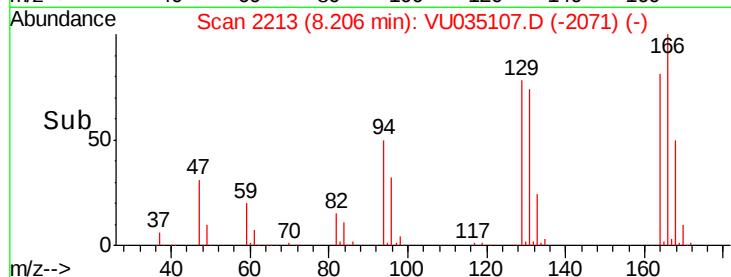
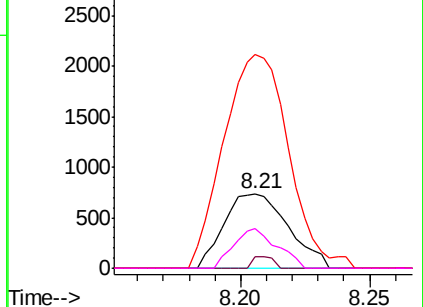


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 12.541 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. 0.00 min

Lab File: VU035107.D

Acq: 11 Oct 2019 22:23

Tgt Ion:164 Resp: 146800

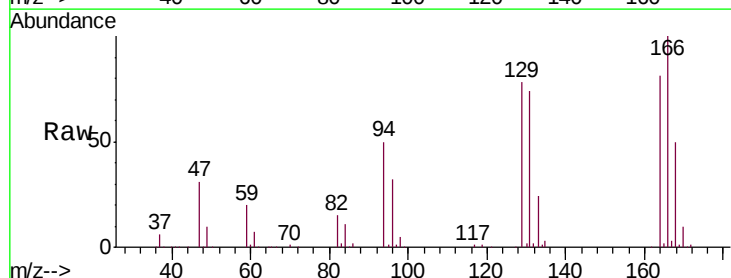
Ion Ratio Lower Upper

164 100

129 97.0 68.5 127.1

131 91.1 67.3 124.9

166 124.0 93.1 172.9

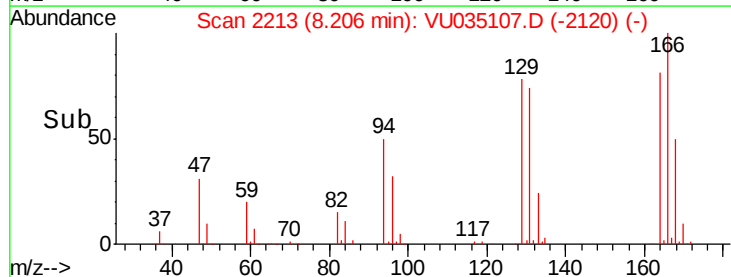
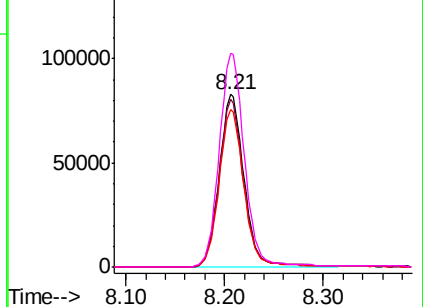


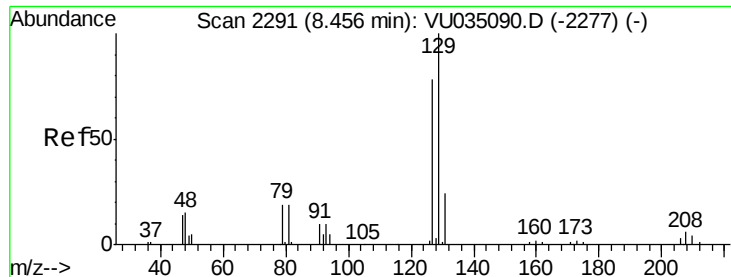
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

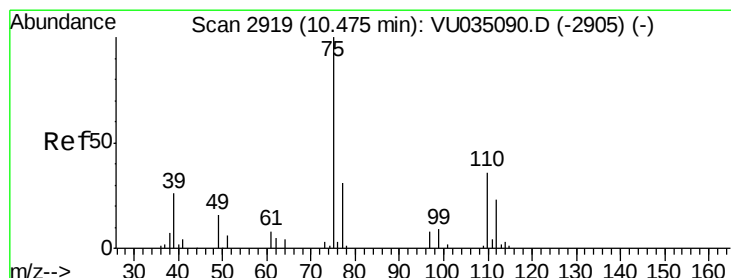
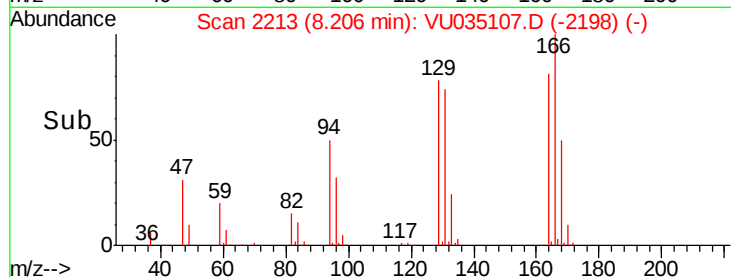
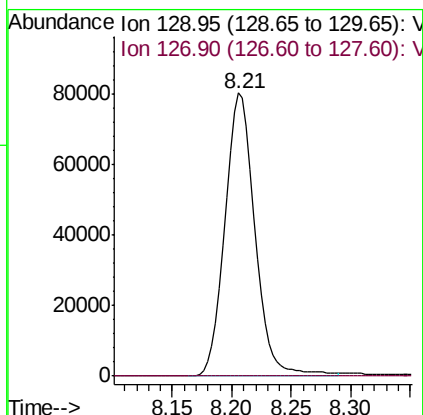
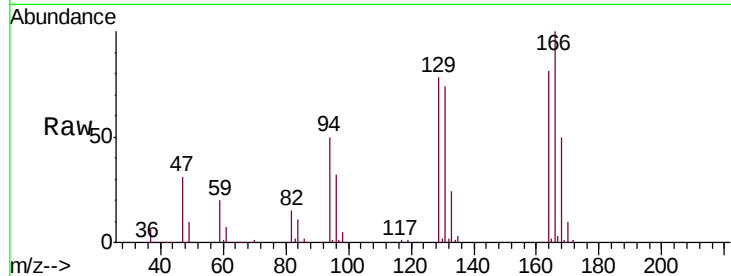




#49
 Dibromochloromethane
 Concen: 12.114 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. -0.25 min
 Lab File: VU035107.D
 Acq: 11 Oct 2019 22:23

Instrument :
 MSVOA_U
 ClientSampleId :
 OU2-MW-2-001-01DL

Tgt Ion: 129 Resp: 140616
 Ion Ratio Lower Upper
 129 100
 127 0.2 51.9 96.5#



#59
 1,2,3-Trichloropropane
 Concen: 0.889 ug/L
 RT: 11.47 min Scan# 3228
 Delta R.T. 0.99 min
 Lab File: VU035107.D
 Acq: 11 Oct 2019 22:23

Tgt Ion: 75 Resp: 8707
 Ion Ratio Lower Upper
 75 100
 77 38.5 26.5 39.7

