

Data File : VU035101.D
Acq On : 11 Oct 2019 19:58
Operator : JC/SP
Sample : K5310-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
IW-2-001-01

Quant Time: Oct 12 02:46:56 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	163487	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	170070	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	73605	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	57143	5.91	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	118.20%
7) Chloroethane-d5	1.67	69	51274	5.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	113.60%
11) 1,1-Dichloroethene-d2	2.26	63	79422	3.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.00%
20) 2-Butanone-d5	4.19	46	129918	45.65	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.30%
24) Chloroform-d	4.62	84	102641	5.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.60%
26) 1,2-Dichloroethane-d4	5.29	65	58345	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.80%
32) Benzene-d6	5.31	84	196857	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
36) 1,2-Dichloropropane-d6	6.31	67	70087	5.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.20%
41) Toluene-d8	7.55	98	171261	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.80%
43) trans-1,3-Dichloropropene-	7.84	79	20479	4.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.40%
46) 2-Hexanone-d5	8.30	63	121627	53.30	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.60%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	58600	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.40%
64) 1,2-Dichlorobenzene-d4	11.84	152	66021	5.32	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.40%

Target Compounds

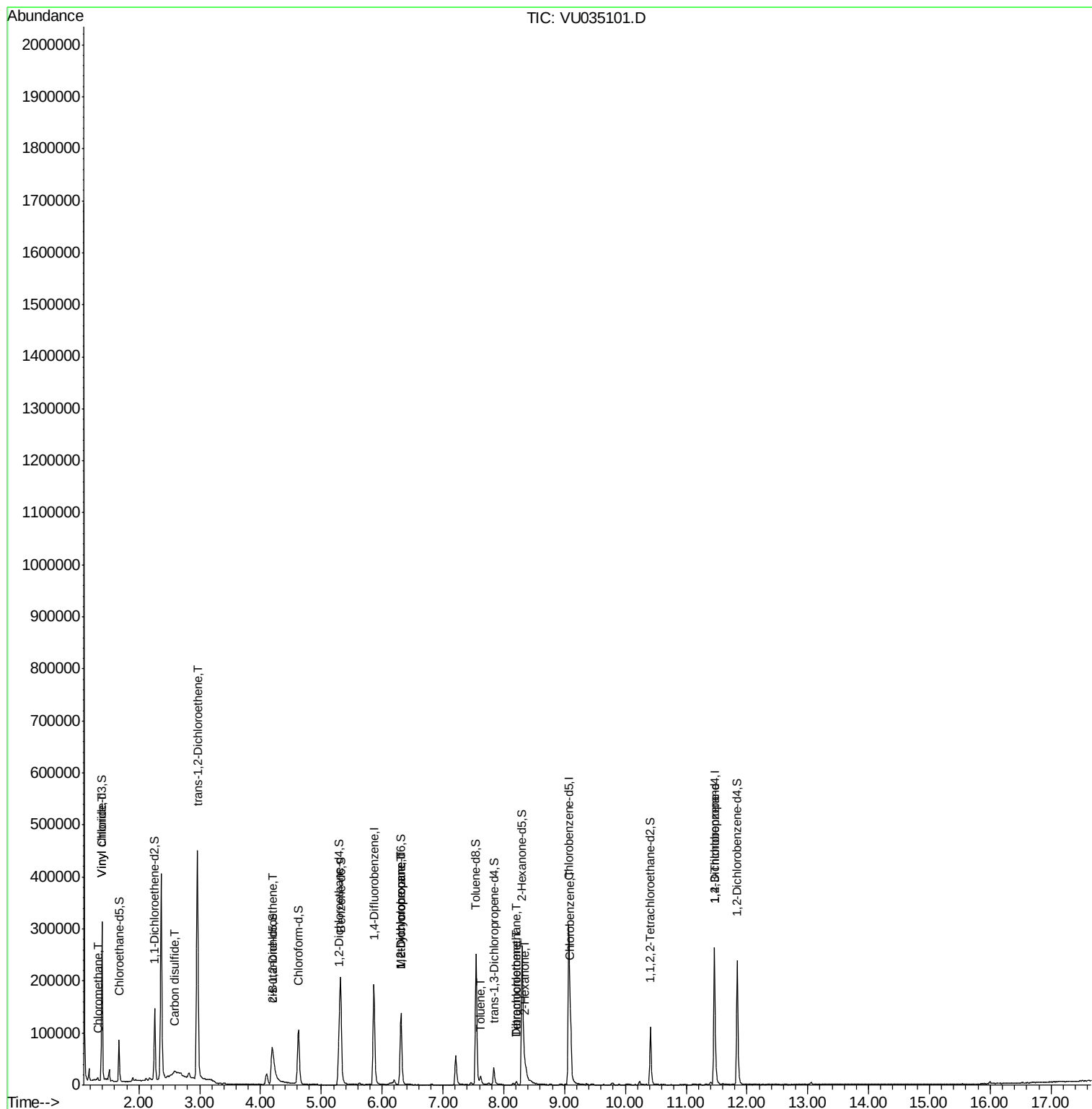
					Qvalue
3) Chloromethane	1.32	50	2567	0.157 ug/L	95
5) Vinyl chloride	1.40	62	143812	8.933 ug/L	99
14) Carbon disulfide	2.58	76	15922	0.456 ug/L	96
18) trans-1,2-Dichloroethene	2.96	96	156326	13.903 ug/L	92
22) cis-1,2-Dichloroethene	4.20	96	10281	0.820 ug/L	80
35) Methylcyclohexane	6.31	83	14429	0.674 ug/L #	19
37) 1,2-Dichloropropane	6.31	63	7965	0.576 ug/L #	96
42) Toluene	7.62	91	11098	0.208 ug/L	90
47) Tetrachloroethene	8.22	164	1260	0.118 ug/L	83
48) 2-Hexanone	8.36	43	5797	0.972 ug/L #	66
49) Dibromochloromethane	8.21	129	1506	0.142 ug/L #	12
51) Chlorobenzene	9.10	112	65976	1.904 ug/L	96
59) 1,2,3-Trichloropropane	11.47	75	9563	1.069 ug/L	95

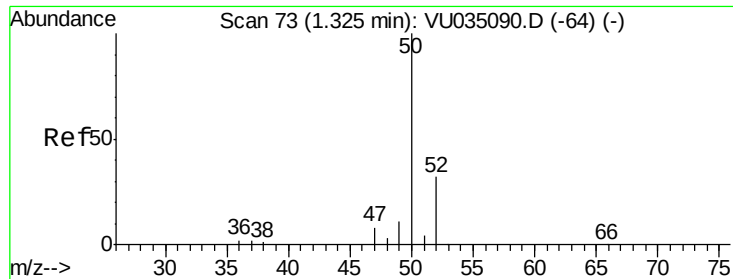
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.157 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU035101.D

Acq: 11 Oct 2019 19:58

Instrument :

MSVOA_U

ClientSampleId :

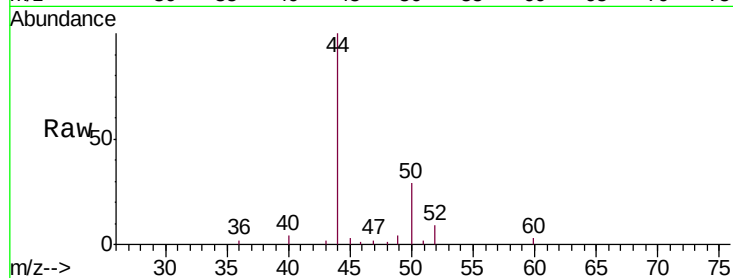
IW-2-001-01

Tgt Ion: 50 Resp: 2567

Ion Ratio Lower Upper

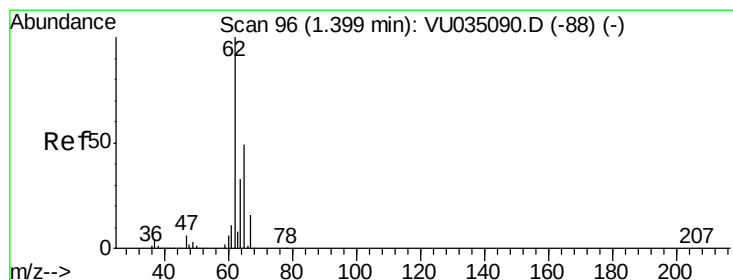
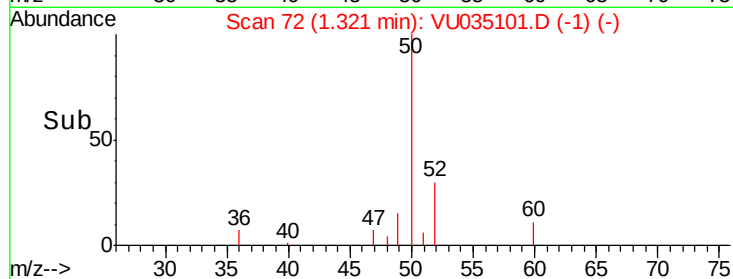
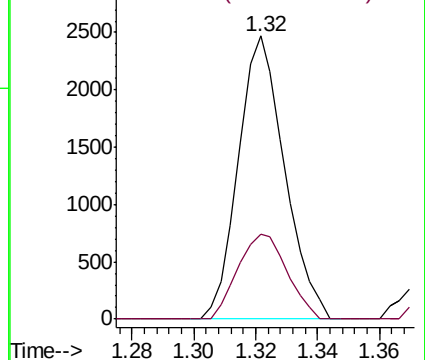
50 100

52 30.3 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#5

Vinyl chloride

Concen: 8.933 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU035101.D

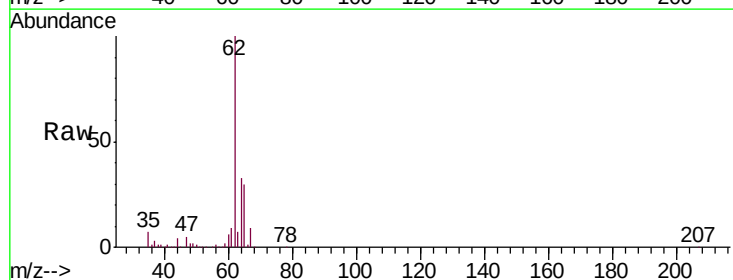
Acq: 11 Oct 2019 19:58

Tgt Ion: 62 Resp: 143812

Ion Ratio Lower Upper

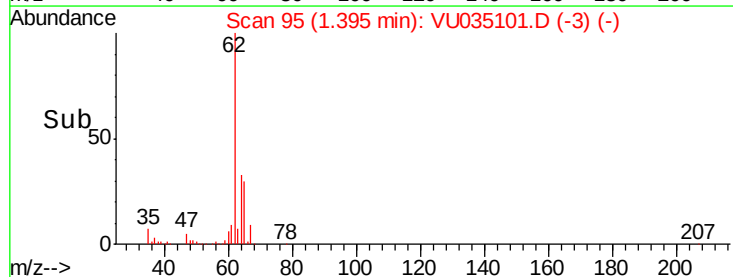
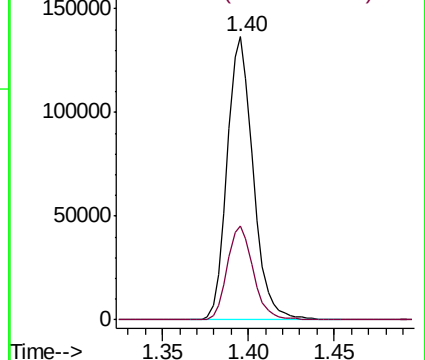
62 100

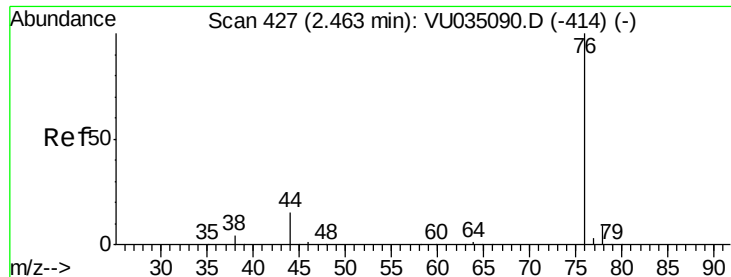
64 33.4 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0





#14

Carbon disulfide

Concen: 0.456 ug/L

RT: 2.58 min Scan# 464

Delta R.T. 0.12 min

Lab File: VU035101.D

Acq: 11 Oct 2019 19:58

Instrument :

MSVOA_U

ClientSampleId :

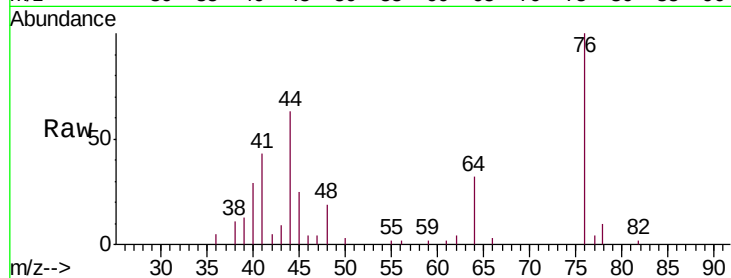
IW-2-001-01

Tgt Ion: 76 Resp: 15922

Ion Ratio Lower Upper

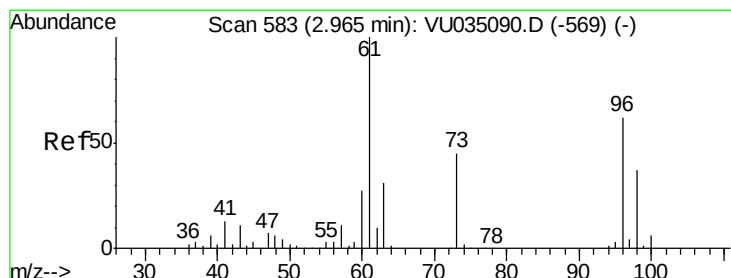
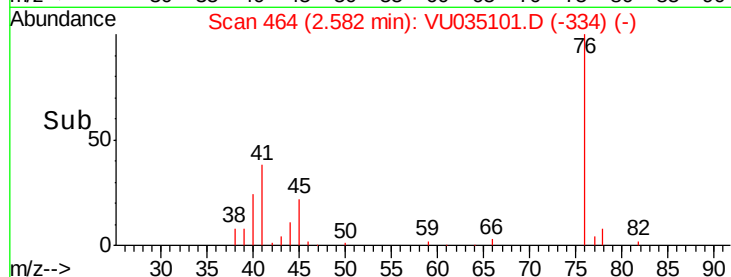
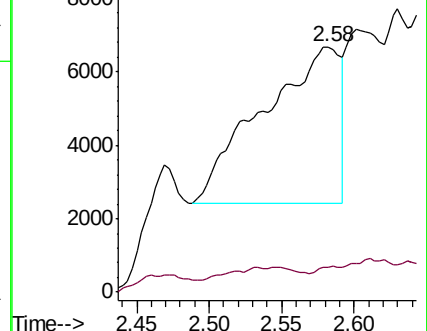
76 100

78 10.2 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU035090.D (-414) (-)

Ion 78.00 (77.70 to 78.70): VU035090.D (-414) (-)



#18

trans-1,2-Dichloroethene

Concen: 13.903 ug/L

RT: 2.96 min Scan# 582

Delta R.T. -0.00 min

Lab File: VU035101.D

Acq: 11 Oct 2019 19:58

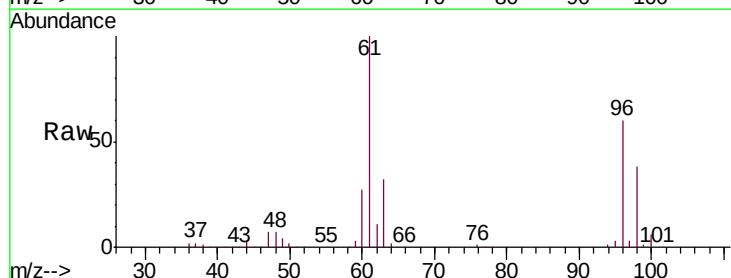
Tgt Ion: 96 Resp: 156326

Ion Ratio Lower Upper

96 100

61 166.2 107.1 198.9

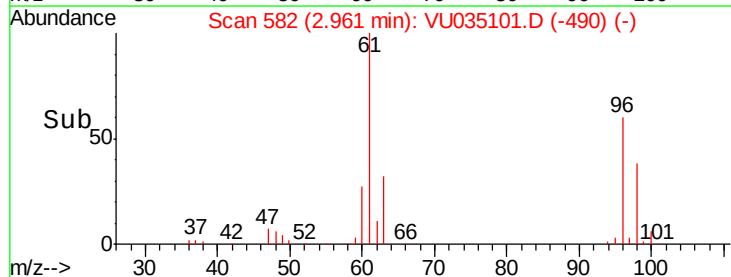
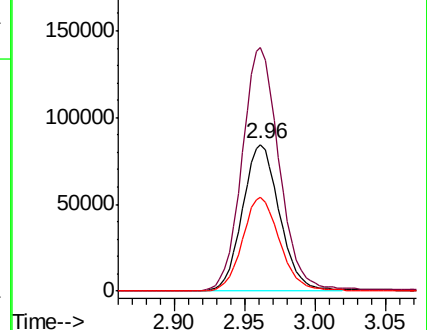
98 63.7 45.4 84.4

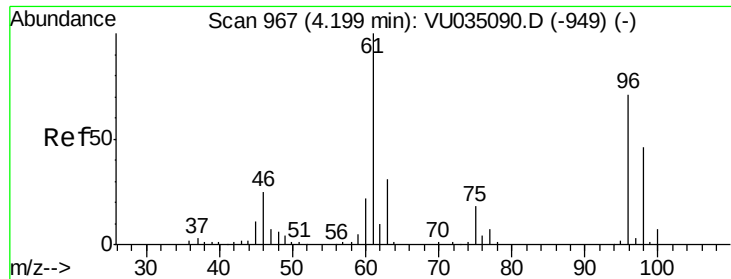


Abundance Ion 96.00 (95.70 to 96.70): VU035090.D (-569) (-)

Ion 61.05 (60.75 to 61.75): VU035090.D (-569) (-)

Ion 97.95 (97.65 to 98.65): VU035090.D (-569) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.820 ug/L

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU035101.D

Acq: 11 Oct 2019 19:58

Instrument :

MSVOA_U

ClientSampleId :

IW-2-001-01

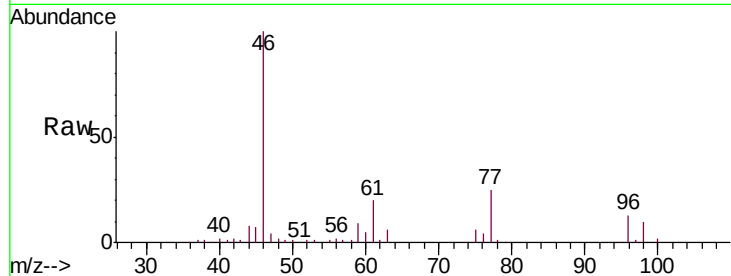
Tgt Ion: 96 Resp: 10281

Ion Ratio Lower Upper

96 100

61 150.7 89.2 165.6

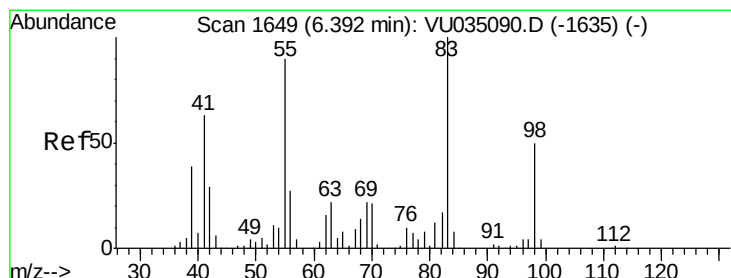
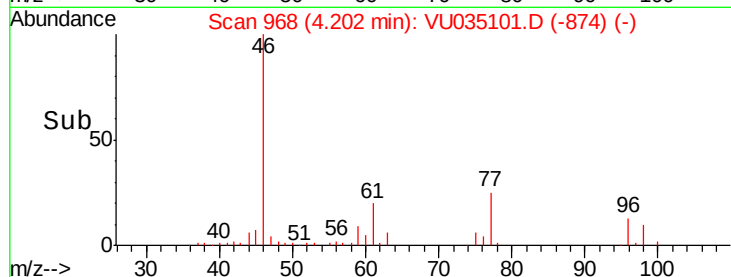
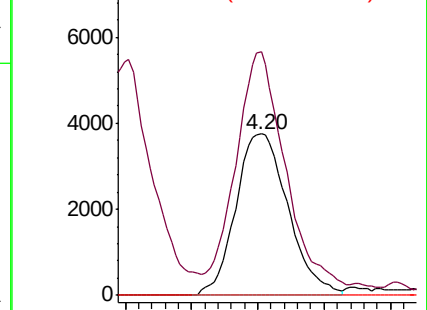
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035101.D (-874) (-)

Ion 61.05 (60.75 to 61.75): VU035101.D (-874) (-)

Ion 68.15 (67.85 to 68.85): VU035101.D (-874) (-)



#35

Methylcyclohexane

Concen: 0.674 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.08 min

Lab File: VU035101.D

Acq: 11 Oct 2019 19:58

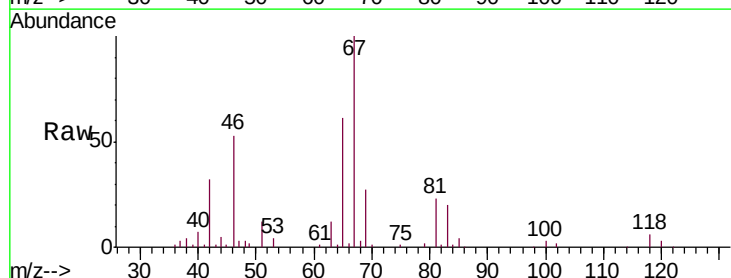
Tgt Ion: 83 Resp: 14429

Ion Ratio Lower Upper

83 100

55 1.8 62.6 94.0#

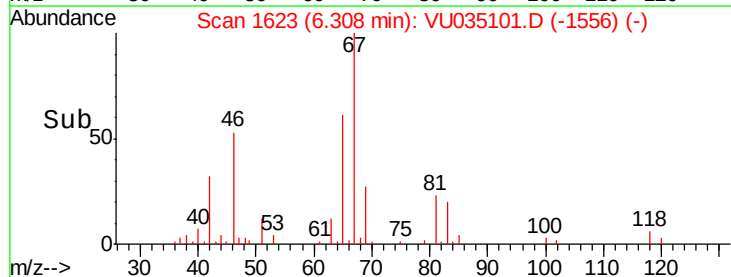
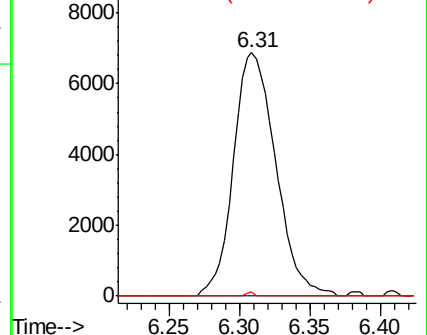
98 0.3 36.2 54.2#

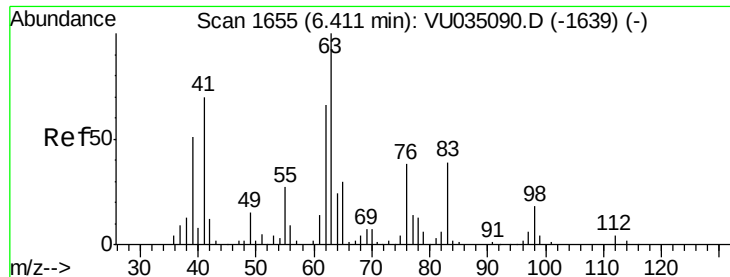


Abundance Ion 83.15 (82.85 to 83.85): VU035101.D (-1556) (-)

Ion 55.10 (54.80 to 55.80): VU035101.D (-1556) (-)

Ion 98.15 (97.85 to 98.85): VU035101.D (-1556) (-)

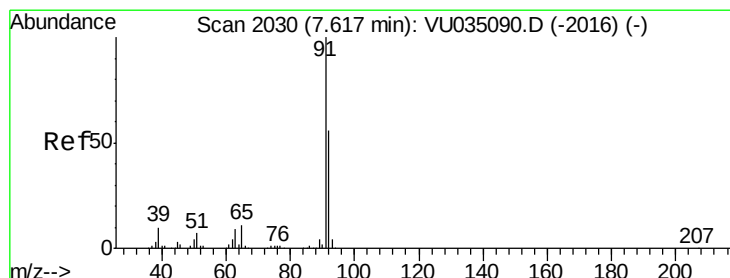
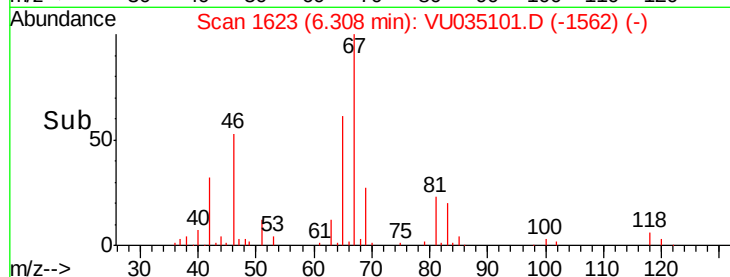
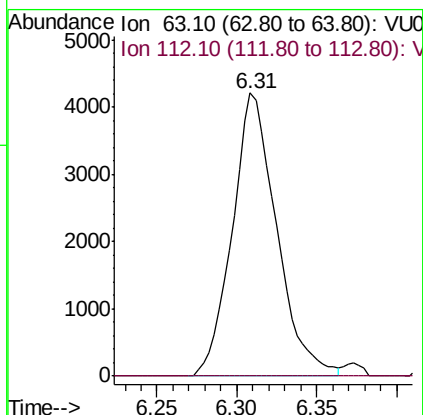
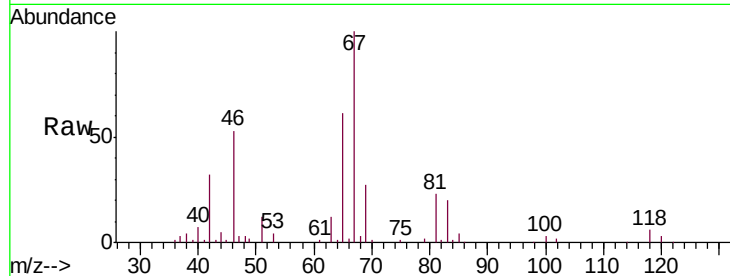




#37
 1,2-Dichloropropane
 Concen: 0.576 ug/L
 RT: 6.31 min Scan# 1623
 Delta R.T. -0.10 min
 Lab File: VU035101.D
 Acq: 11 Oct 2019 19:58

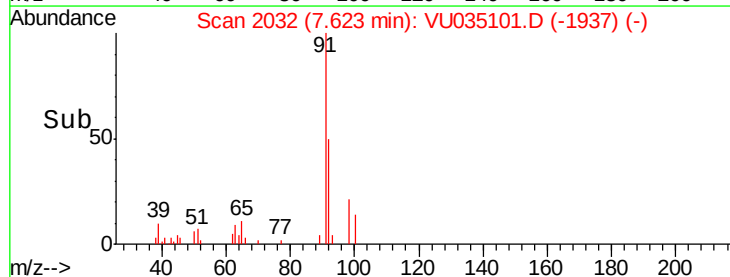
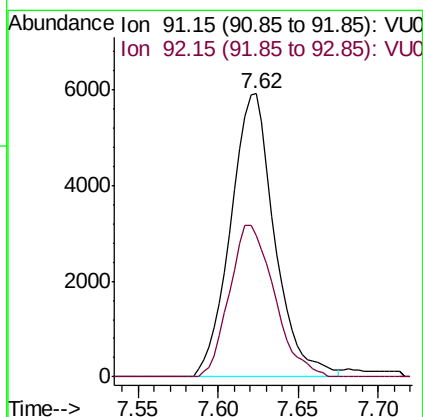
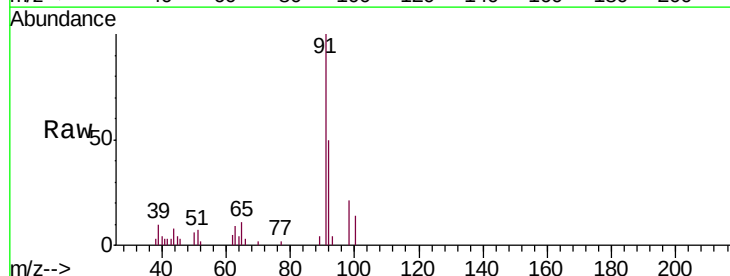
Instrument :
 MSVOA_U
 ClientSampleId :
 IW-2-001-01

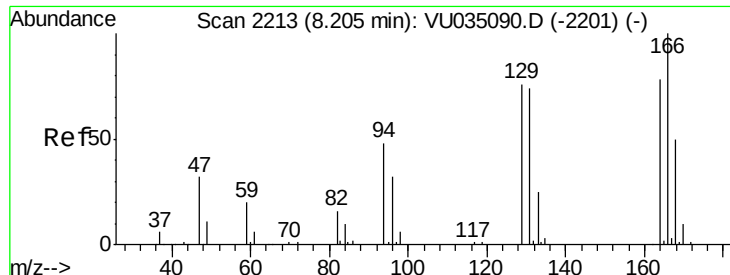
Tgt Ion: 63 Resp: 7965
 Ion Ratio Lower Upper
 63 100
 112 5.1 3.1 4.7#



#42
 Toluene
 Concen: 0.208 ug/L
 RT: 7.62 min Scan# 2032
 Delta R.T. 0.01 min
 Lab File: VU035101.D
 Acq: 11 Oct 2019 19:58

Tgt Ion: 91 Resp: 11098
 Ion Ratio Lower Upper
 91 100
 92 50.1 40.0 74.2





#47

Tetrachloroethene

Concen: 0.118 ug/L

RT: 8.22 min Scan# 2216

Delta R.T. 0.01 min

Lab File: VU035101.D

Acq: 11 Oct 2019 19:58

Instrument :

MSVOA_U

ClientSampleId :

IW-2-001-01

Tgt Ion:164 Resp: 1260

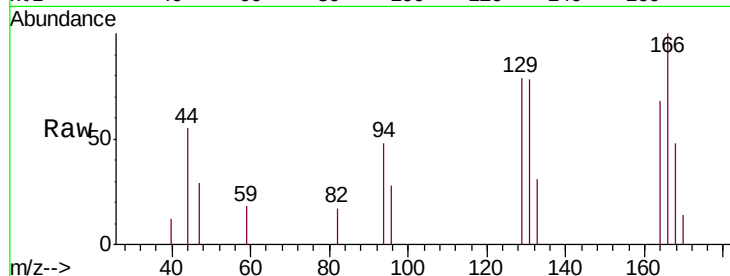
Ion Ratio Lower Upper

164 100

129 117.5 68.5 127.1

131 115.4 67.3 124.9

166 147.9 93.1 172.9

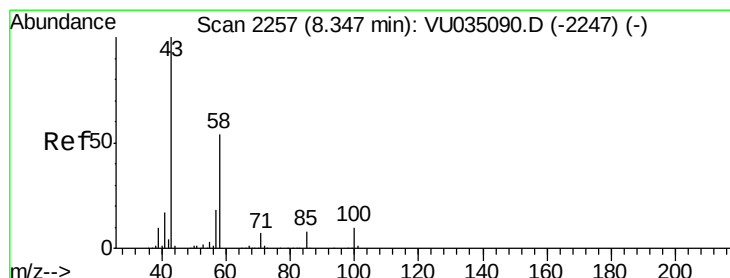
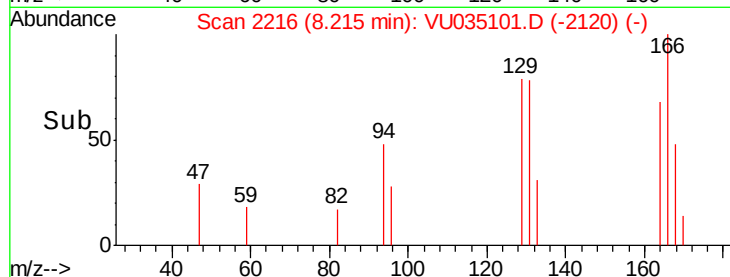
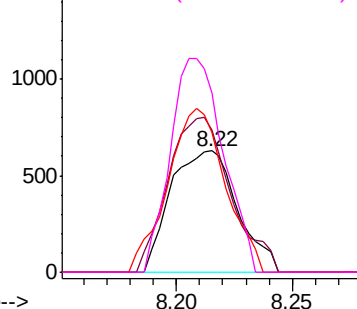


Abundance Ion 163.90 (163.60 to 164.60): V

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



#48

2-Hexanone

Concen: 0.972 ug/L

RT: 8.36 min Scan# 2260

Delta R.T. 0.01 min

Lab File: VU035101.D

Acq: 11 Oct 2019 19:58

Tgt Ion: 43 Resp: 5797

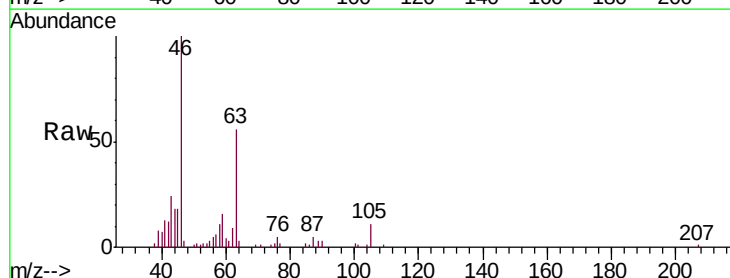
Ion Ratio Lower Upper

43 100

58 31.2 44.1 66.1#

57 0.0 15.8 23.8#

100 1.5 9.4 14.2#

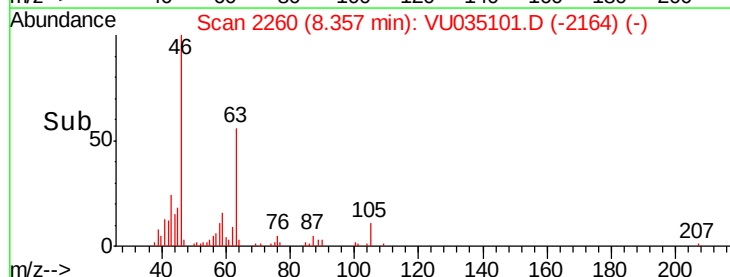
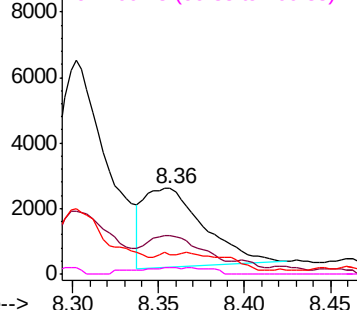


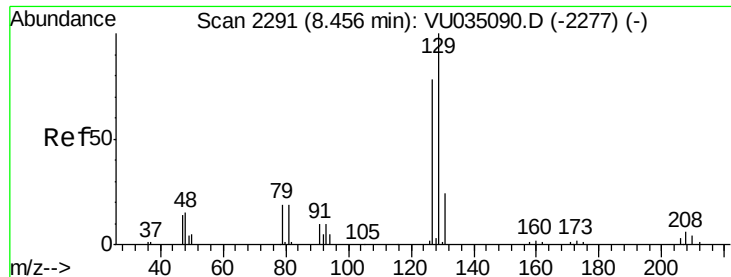
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 0.142 ug/L

RT: 8.21 min Scan# 2215

Delta R.T. -0.24 min

Lab File: VU035101.D

Acq: 11 Oct 2019 19:58

Instrument :

MSVOA_U

ClientSampled :

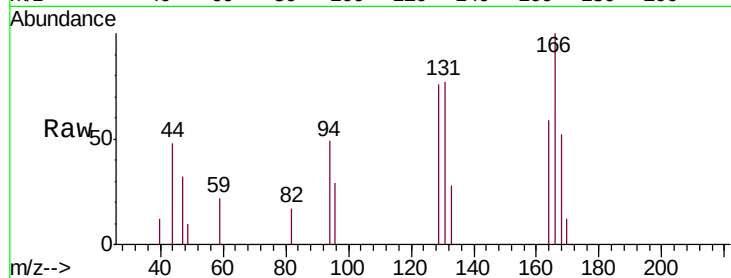
IW-2-001-01

Tgt Ion:129 Resp: 1506

Ion Ratio Lower Upper

129 100

127 0.0 51.9 96.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.21

800

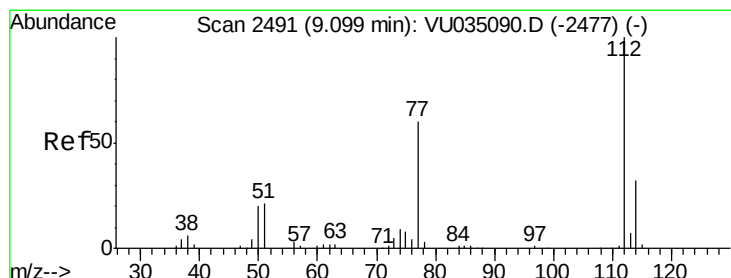
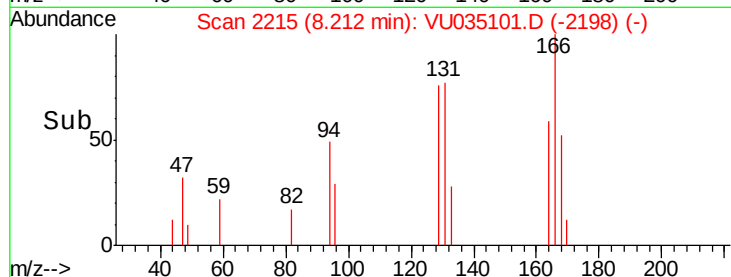
600

400

200

0

Time--> 8.15 8.20 8.25



#51

Chlorobenzene

Concen: 1.904 ug/L

RT: 9.10 min Scan# 2491

Delta R.T. -0.00 min

Lab File: VU035101.D

Acq: 11 Oct 2019 19:58

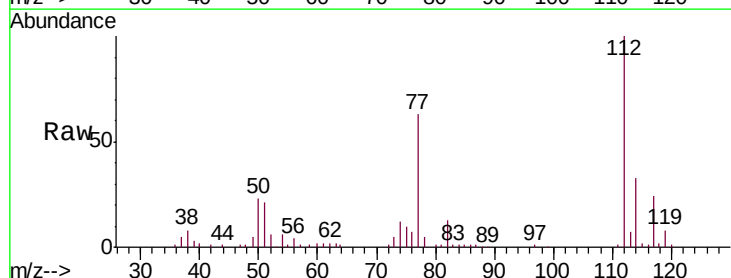
Tgt Ion:112 Resp: 65976

Ion Ratio Lower Upper

112 100

114 32.7 22.1 41.1

77 62.6 46.9 70.3



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0

40000

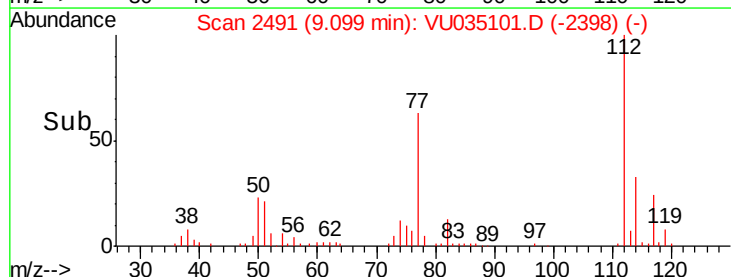
30000

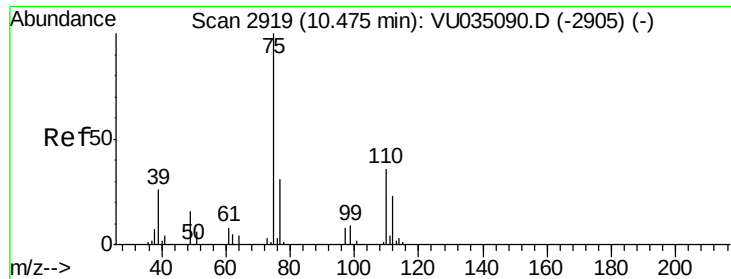
20000

10000

0

Time--> 9.00 9.05 9.10 9.15 9.20





#59
 1,2,3-Trichloropropane
 Concen: 1.069 ug/L
 RT: 11.47 min Scan# 3227
 Delta R.T. 0.99 min
 Lab File: VU035101.D
 Acq: 11 Oct 2019 19:58

Instrument :
 MSVOA_U
 ClientSampleId :
 IW-2-001-01

Tgt Ion: 75 Resp: 9563
 Ion Ratio Lower Upper
 75 100
 77 36.0 26.5 39.7

