

Data File : VU035102.D
Acq On : 11 Oct 2019 20:21
Operator : JC/SP
Sample : K5310-04MS
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

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

Quant Time: Oct 12 02:47:14 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	170491	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	177404	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	76189	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	54588	5.42	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.40%
7) Chloroethane-d5	1.67	69	49260	5.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.80%
11) 1,1-Dichloroethene-d2	2.26	63	100284	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.40%
20) 2-Butanone-d5	4.19	46	119963	40.42	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.84%
24) Chloroform-d	4.62	84	98728	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.80%
26) 1,2-Dichloroethane-d4	5.29	65	55221	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
32) Benzene-d6	5.31	84	191226	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
36) 1,2-Dichloropropane-d6	6.31	67	65345	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	7.55	98	164244	4.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.60%
43) trans-1,3-Dichloropropene-	7.84	79	20936	4.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.80%
46) 2-Hexanone-d5	8.30	63	115190	48.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.78%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	55675	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.00%
64) 1,2-Dichlorobenzene-d4	11.84	152	63471	4.94	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.80%

Target Compounds

					Qvalue
5) Vinyl chloride	1.40	62	148441	8.842 ug/L	98
8) Chloroethane	1.79	64	2648	0.263 ug/L #	41
12) 1,1-Dichloroethene	2.27	96	38642	3.529 ug/L	90
13) Acetone	2.34	43	6979	2.871 ug/L #	1
14) Carbon disulfide	2.47	76	5757	0.158 ug/L	96
18) trans-1,2-Dichloroethene	2.96	96	163660	13.957 ug/L	92
22) cis-1,2-Dichloroethene	4.20	96	10920	0.835 ug/L	99
33) Benzene	5.36	78	201458	3.770 ug/L	100
34) Trichloroethene	6.16	95	50891	3.693 ug/L	97
35) Methylcyclohexane	6.31	83	14541	0.651 ug/L #	18
37) 1,2-Dichloropropane	6.31	63	7408	0.514 ug/L #	88
42) Toluene	7.62	91	222888	3.996 ug/L	96
47) Tetrachloroethene	8.21	164	1184	0.106 ug/L	90
48) 2-Hexanone	8.30	43	19489	3.133 ug/L #	66
49) Dibromochloromethane	8.21	129	1238	0.112 ug/L #	12
51) Chlorobenzene	9.10	112	223064	6.171 ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 12 02:39:23 2019
Response via : Initial Calibration

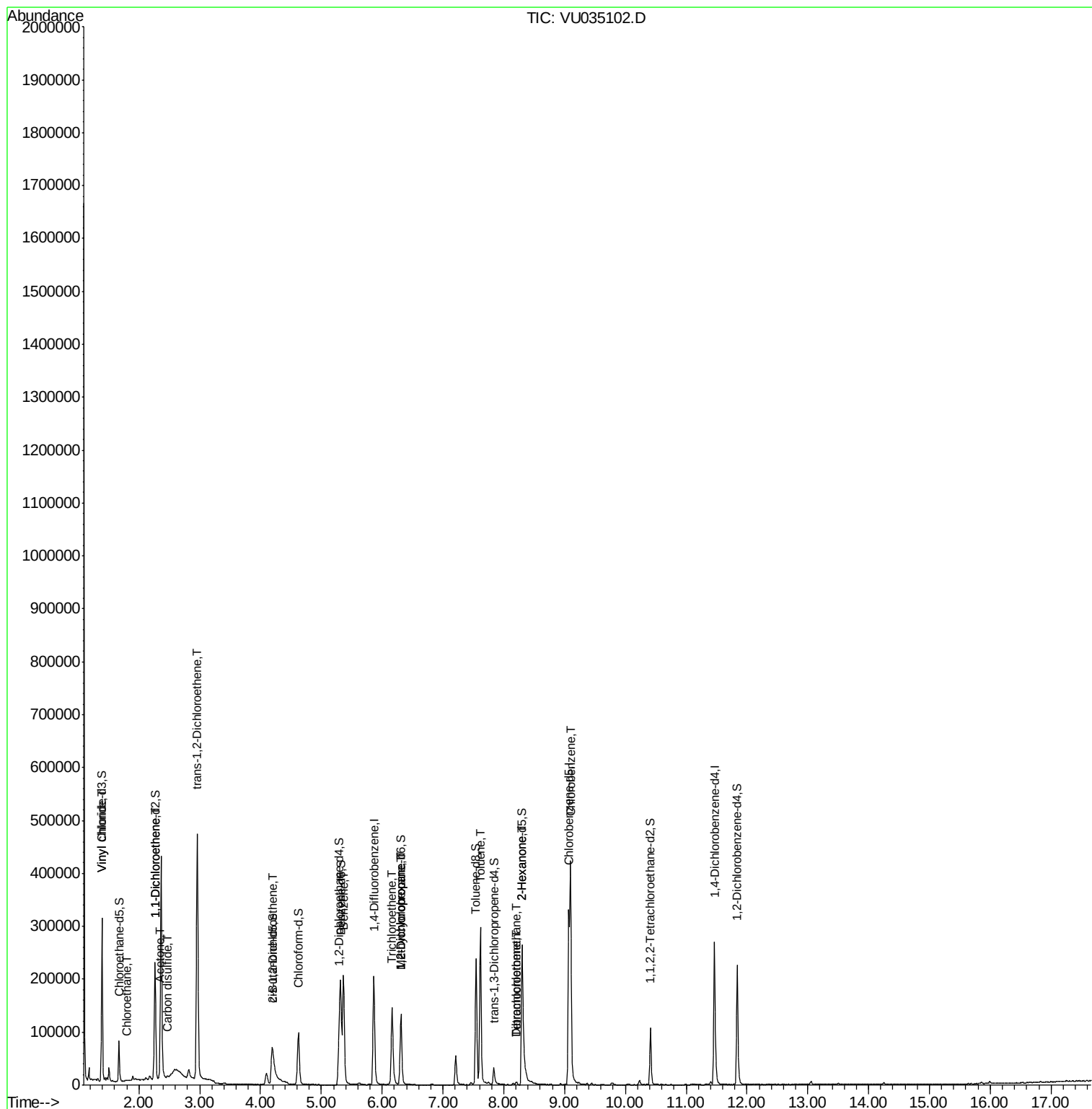
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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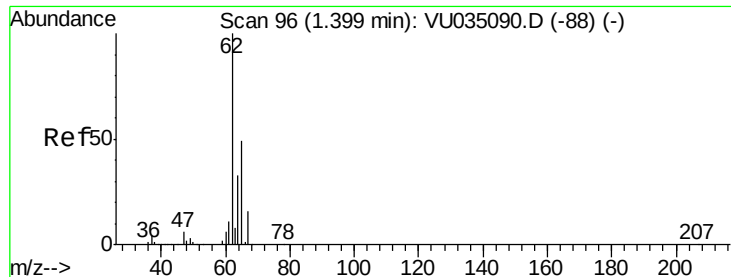
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 8.842 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU035102.D

Acq: 11 Oct 2019 20:21

Instrument :

MSVOA_U

ClientSampleId :

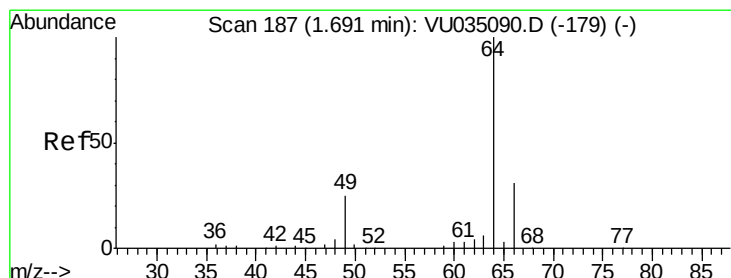
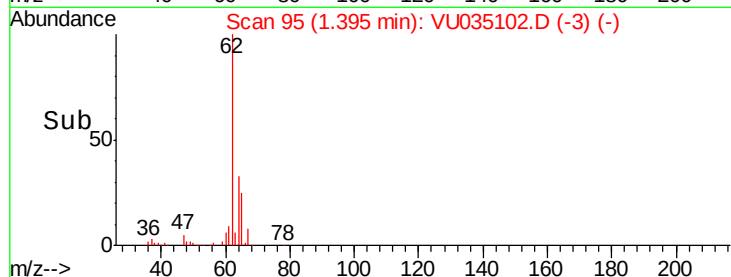
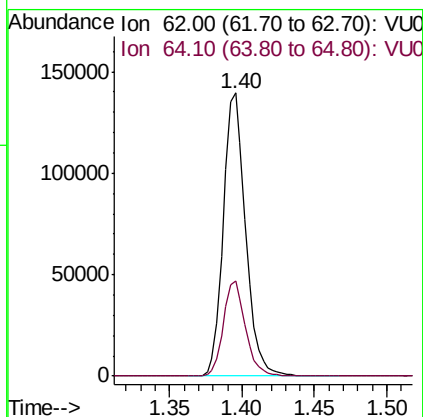
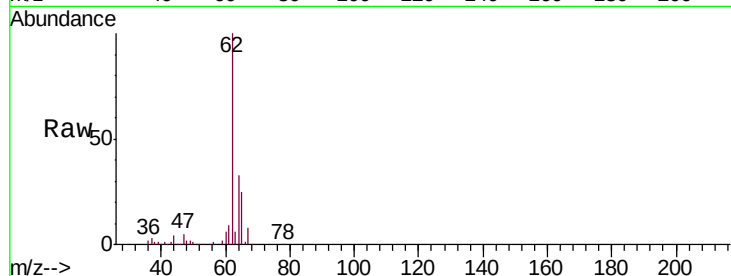
IW-2-001-01MS

Tgt Ion: 62 Resp: 148441

Ion Ratio Lower Upper

62 100

64 33.5 22.8 42.4



#8

Chloroethane

Concen: 0.263 ug/L

RT: 1.79 min Scan# 218

Delta R.T. 0.10 min

Lab File: VU035102.D

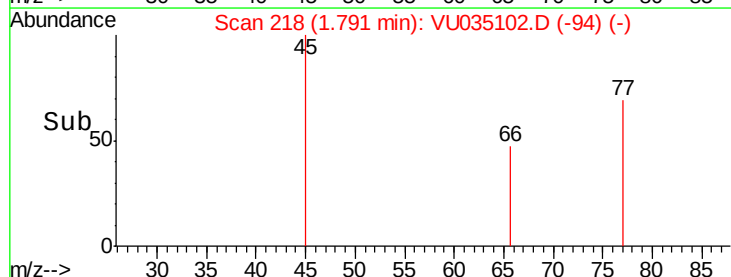
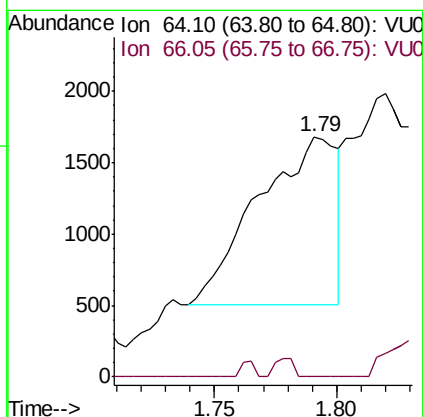
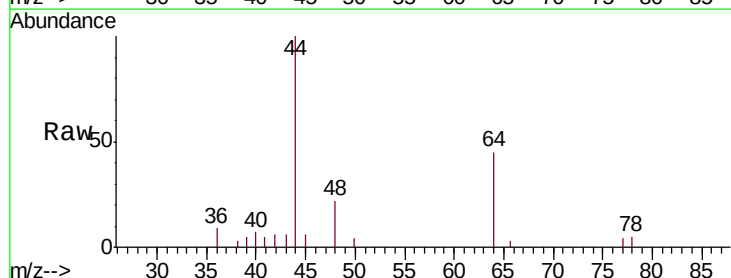
Acq: 11 Oct 2019 20:21

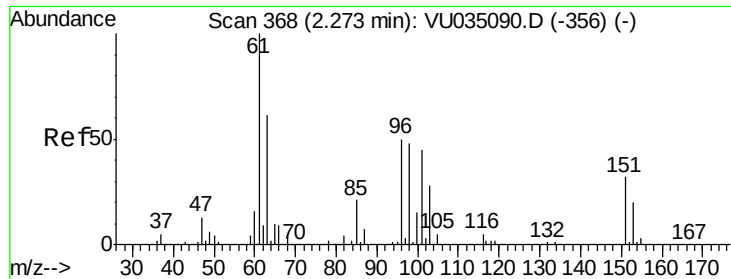
Tgt Ion: 64 Resp: 2648

Ion Ratio Lower Upper

64 100

66 0.0 23.2 43.2#





#12

1,1-Dichloroethene

Concen: 3.529 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU035102.D

Acq: 11 Oct 2019 20:21

Instrument :

MSVOA_U

ClientSampleId :

IW-2-001-01MS

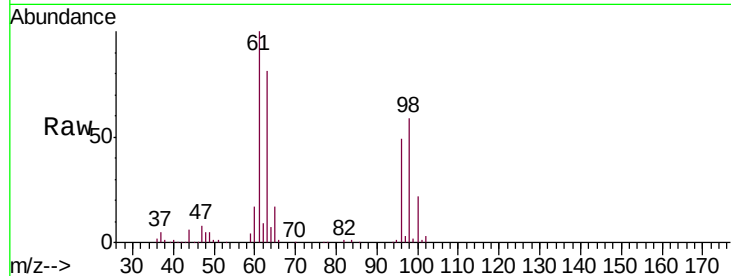
Tgt Ion: 96 Resp: 38642

Ion Ratio Lower Upper

96 100

61 204.0 129.3 240.1

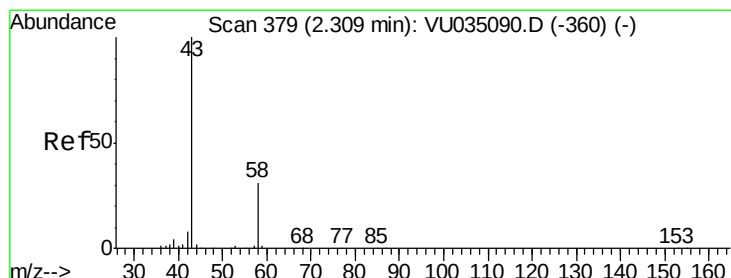
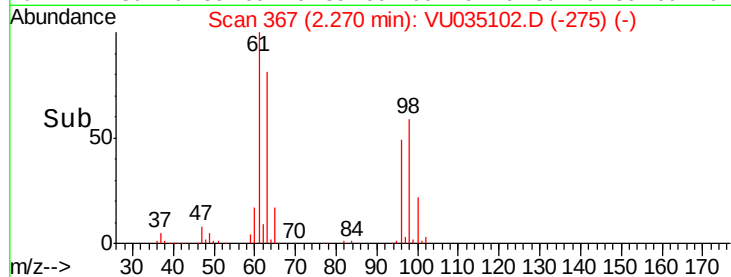
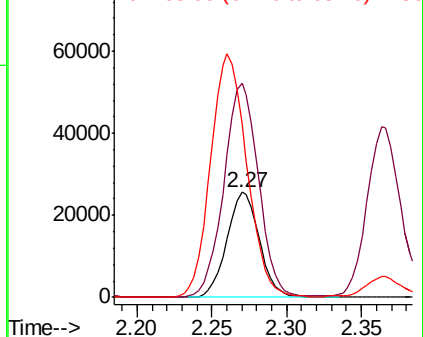
63 164.6 108.9 202.3



Abundance Ion 96.00 (95.70 to 96.70): VU035102.D (-275) (-)

Ion 61.05 (60.75 to 61.75): VU035102.D (-275) (-)

Ion 63.00 (62.70 to 63.70): VU035102.D (-275) (-)



#13

Acetone

Concen: 2.871 ug/L

RT: 2.34 min Scan# 388

Delta R.T. 0.03 min

Lab File: VU035102.D

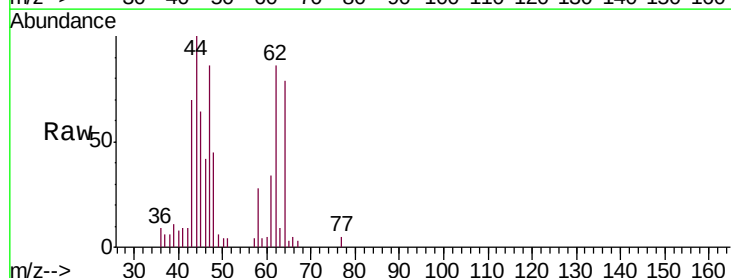
Acq: 11 Oct 2019 20:21

Tgt Ion: 43 Resp: 6979

Ion Ratio Lower Upper

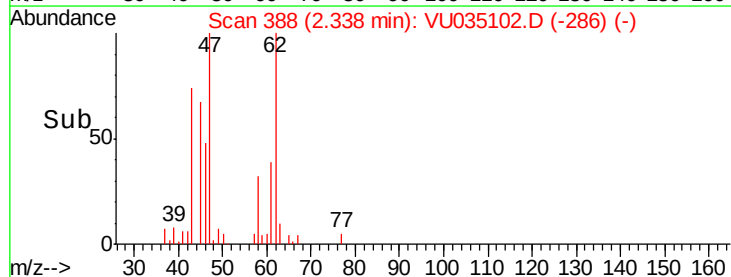
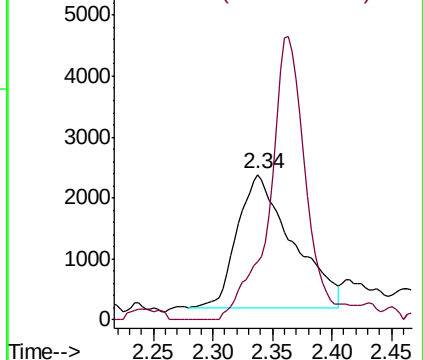
43 100

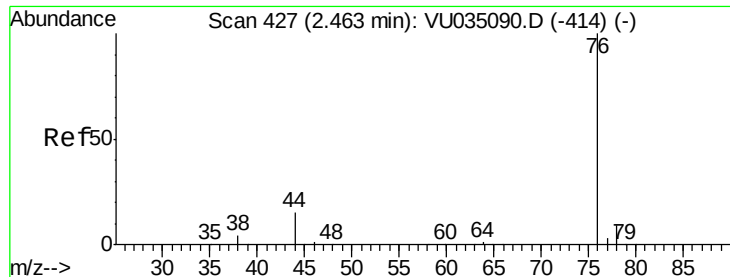
58 141.8 0.0 66.6#



Abundance Ion 43.05 (42.75 to 43.75): VU035102.D (-286) (-)

Ion 58.05 (57.75 to 58.75): VU035102.D (-286) (-)





#14

Carbon disulfide

Concen: 0.158 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VU035102.D

Acq: 11 Oct 2019 20:21

Instrument :

MSVOA_U

ClientSampleId :

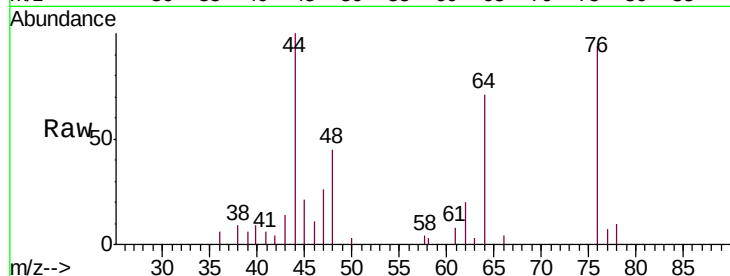
IW-2-001-01MS

Tgt Ion: 76 Resp: 5757

Ion Ratio Lower Upper

76 100

78 10.3 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU035102.D (-414) (-)

Ion 78.00 (77.70 to 78.70): VU035102.D (-414) (-)

5000

4000

3000

2000

1000

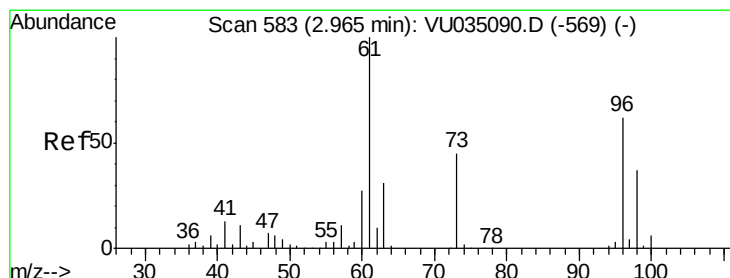
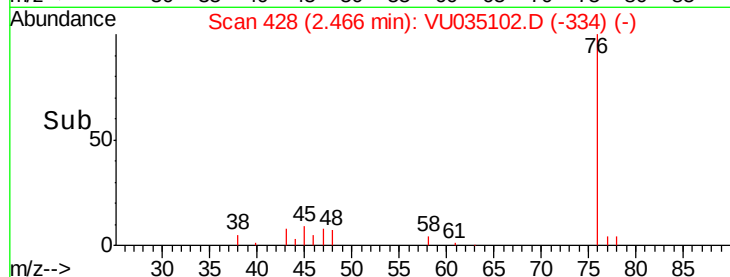
0

2.45

2.47

2.50

Time-->



#18

trans-1,2-Dichloroethene

Concen: 13.957 ug/L

RT: 2.96 min Scan# 581

Delta R.T. -0.01 min

Lab File: VU035102.D

Acq: 11 Oct 2019 20:21

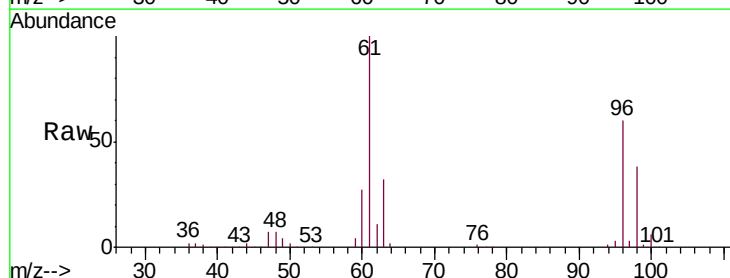
Tgt Ion: 96 Resp: 163660

Ion Ratio Lower Upper

96 100

61 167.0 107.1 198.9

98 63.4 45.4 84.4



Abundance Ion 96.00 (95.70 to 96.70): VU035102.D (-569) (-)

Ion 61.05 (60.75 to 61.75): VU035102.D (-569) (-)

Ion 97.95 (97.65 to 98.65): VU035102.D (-569) (-)

200000

150000

100000

50000

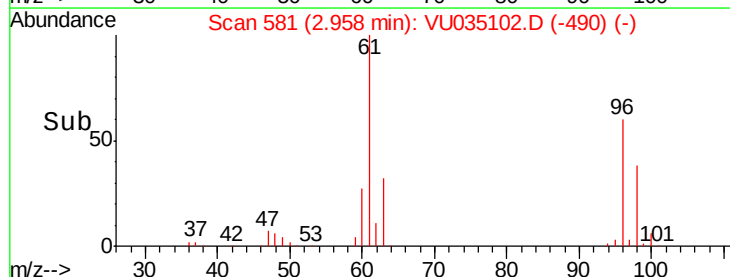
0

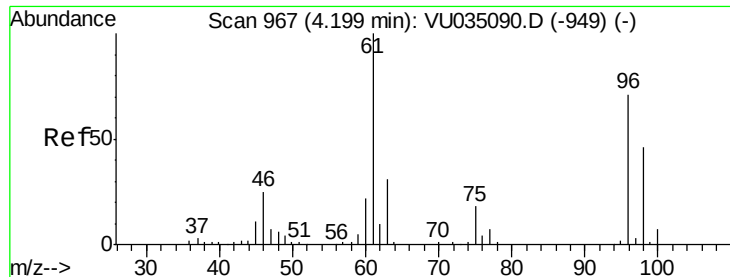
2.90

2.96

3.10

Time-->



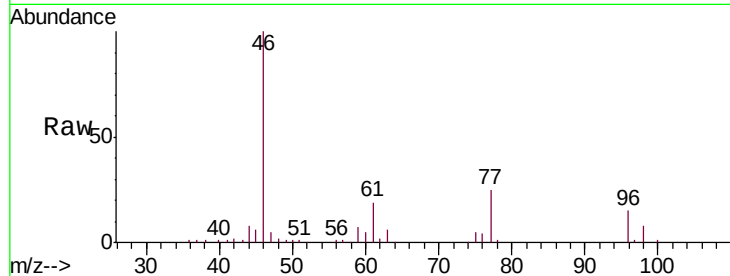


#22

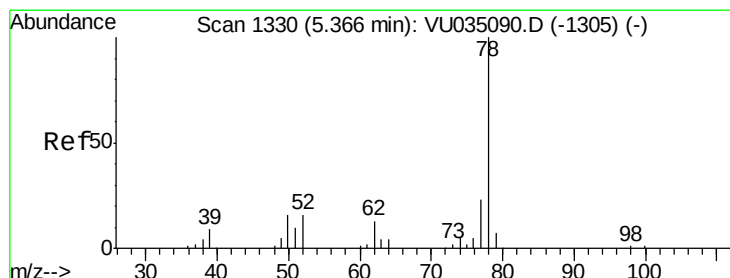
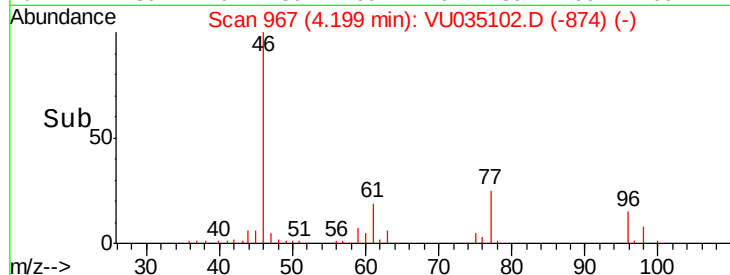
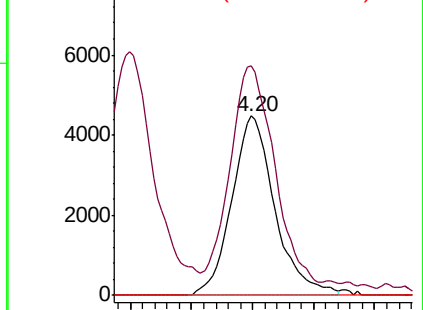
cis-1,2-Dichloroethene
Concen: 0.835 ug/L
RT: 4.20 min Scan# 967
Delta R.T. -0.00 min
Lab File: VU035102.D
Acq: 11 Oct 2019 20:21

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

Tgt Ion: 96 Resp: 10920
Ion Ratio Lower Upper
96 100
61 128.5 89.2 165.6
68 0.0 0.0 0.0



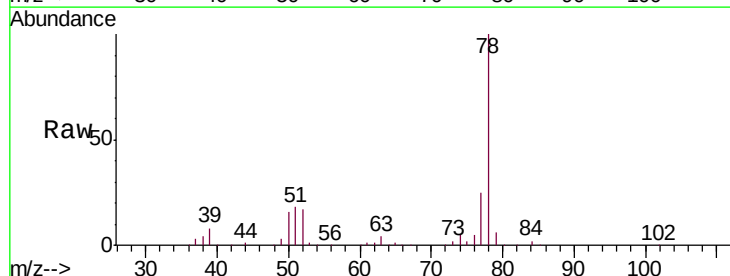
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



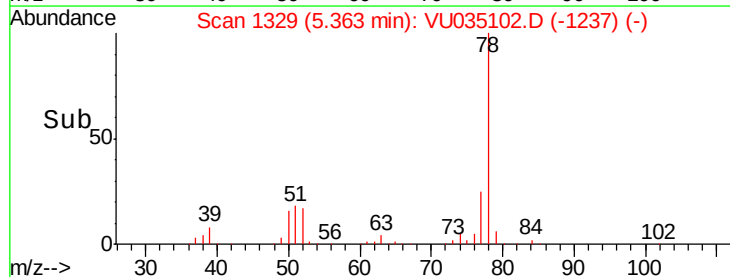
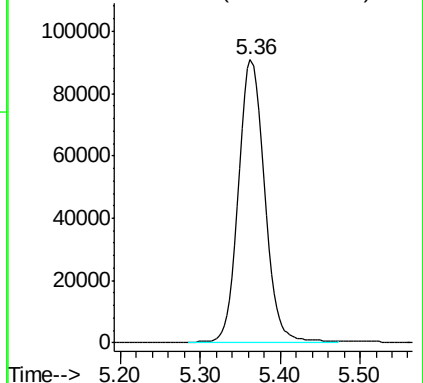
#33

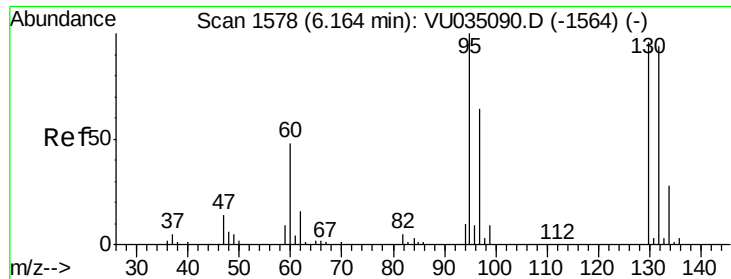
Benzene
Concen: 3.770 ug/L
RT: 5.36 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VU035102.D
Acq: 11 Oct 2019 20:21

Tgt Ion: 78 Resp: 201458



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 3.693 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU035102.D

Acq: 11 Oct 2019 20:21

Instrument :

MSVOA_U

ClientSampleId :

IW-2-001-01MS

Tgt Ion: 95 Resp: 50891

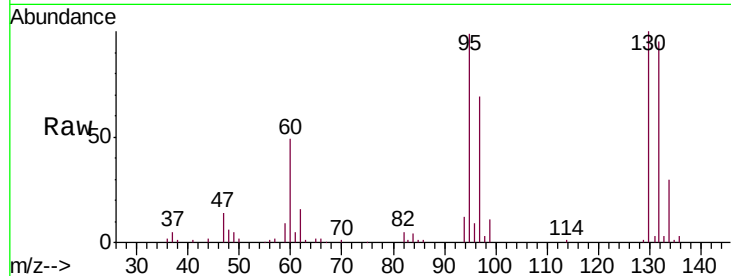
Ion Ratio Lower Upper

95 100

97 69.9 44.5 82.7

132 95.4 66.6 123.8

130 100.8 68.9 127.9

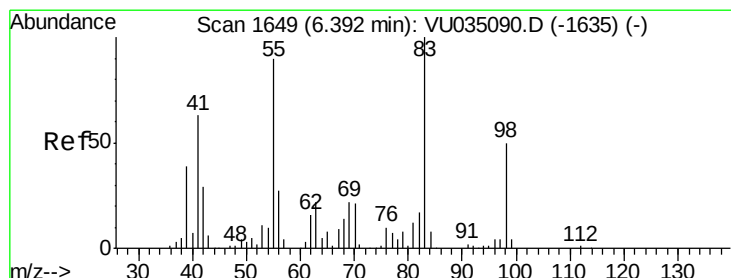
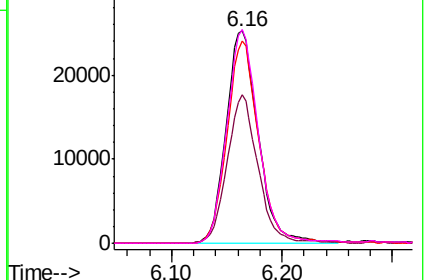
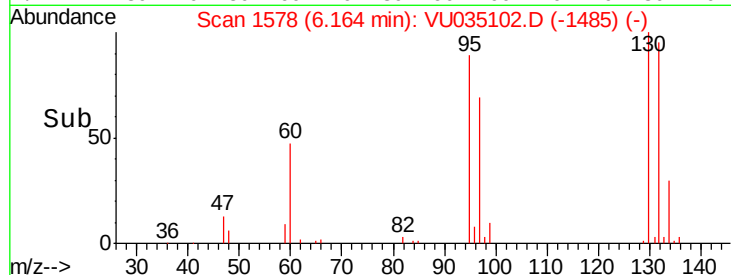


Abundance Ion 95.00 (94.70 to 95.70): VU035102.D (-1485) (-)

Ion 96.95 (96.65 to 97.65): VU035102.D (-1485) (-)

Ion 131.95 (131.65 to 132.65): VU035102.D (-1485) (-)

Ion 129.95 (129.65 to 130.65): VU035102.D (-1485) (-)



#35

Methylcyclohexane

Concen: 0.651 ug/L

RT: 6.31 min Scan# 1624

Delta R.T. -0.08 min

Lab File: VU035102.D

Acq: 11 Oct 2019 20:21

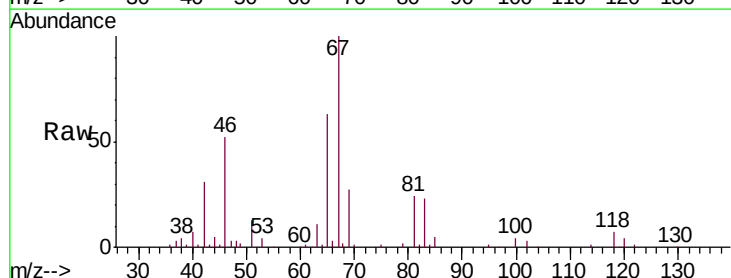
Tgt Ion: 83 Resp: 14541

Ion Ratio Lower Upper

83 100

55 0.3 62.6 94.0#

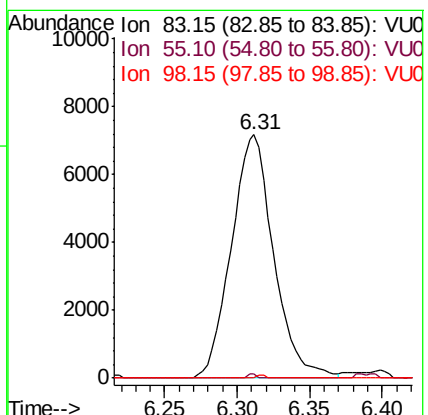
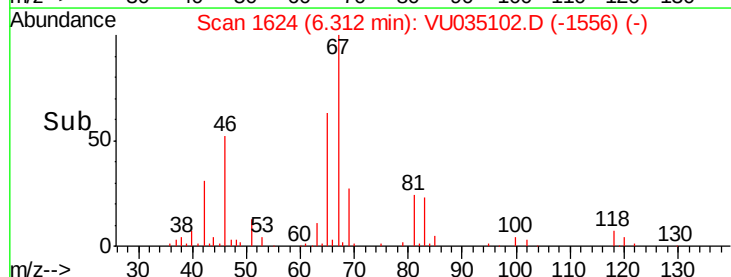
98 0.3 36.2 54.2#

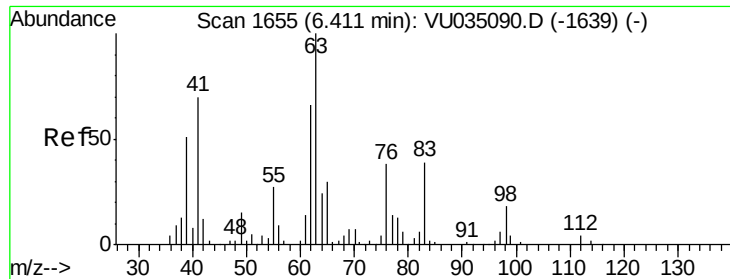


Abundance Ion 83.15 (82.85 to 83.85): VU035102.D (-1556) (-)

Ion 55.10 (54.80 to 55.80): VU035102.D (-1556) (-)

Ion 98.15 (97.85 to 98.85): VU035102.D (-1556) (-)

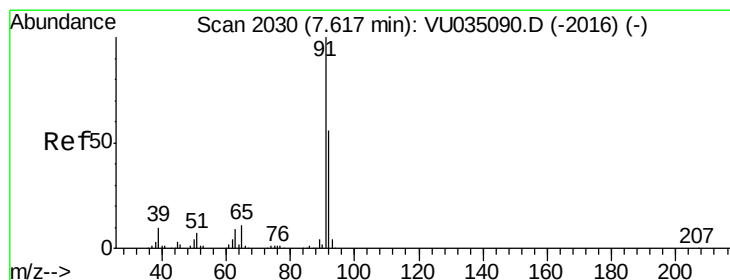
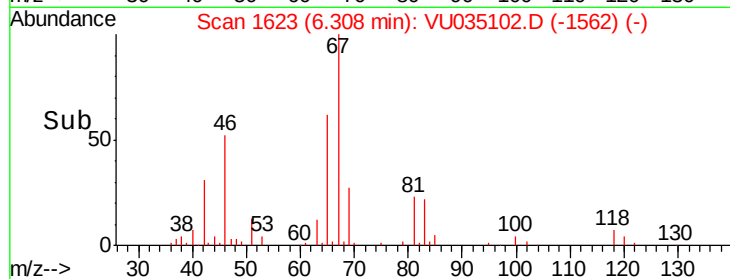
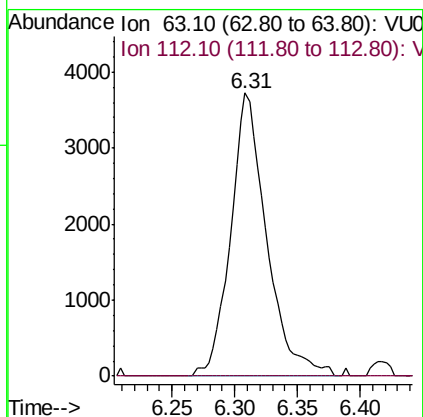
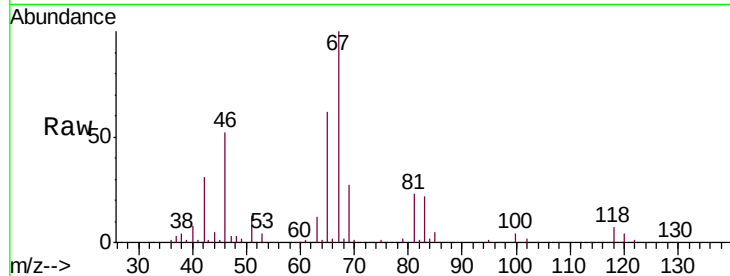




#37
 1,2-Dichloropropane
 Concen: 0.514 ug/L
 RT: 6.31 min Scan# 1623
 Delta R.T. -0.10 min
 Lab File: VU035102.D
 Acq: 11 Oct 2019 20:21

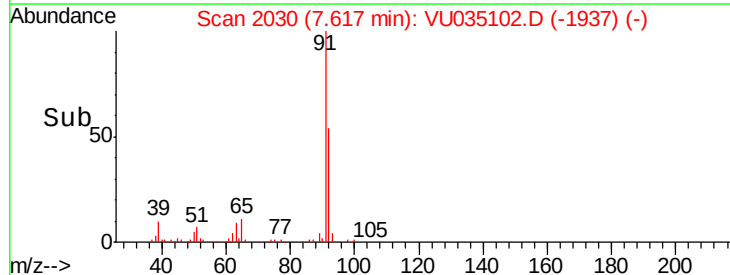
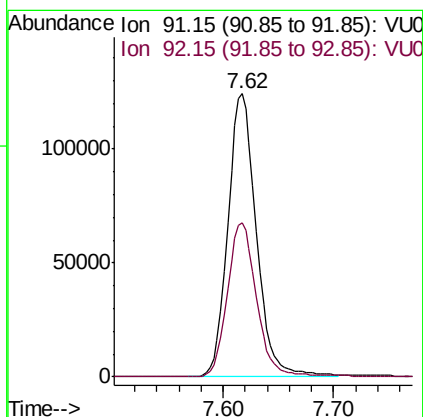
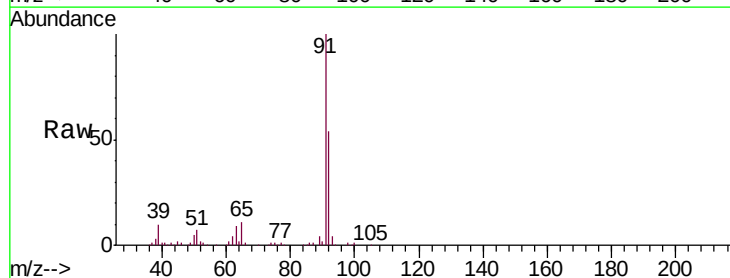
Instrument :
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 IW-2-001-01MS

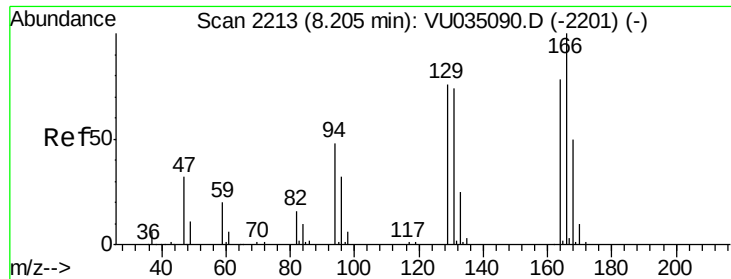
Tgt Ion: 63 Resp: 7408
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#42
 Toluene
 Concen: 3.996 ug/L
 RT: 7.62 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: VU035102.D
 Acq: 11 Oct 2019 20:21

Tgt Ion: 91 Resp: 222888
 Ion Ratio Lower Upper
 91 100
 92 54.3 40.0 74.2





#47

Tetrachloroethene

Concen: 0.106 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VU035102.D

Acq: 11 Oct 2019 20:21

Instrument :

MSVOA_U

ClientSampleId :

IW-2-001-01MS

Tgt Ion: 164 Resp: 1184

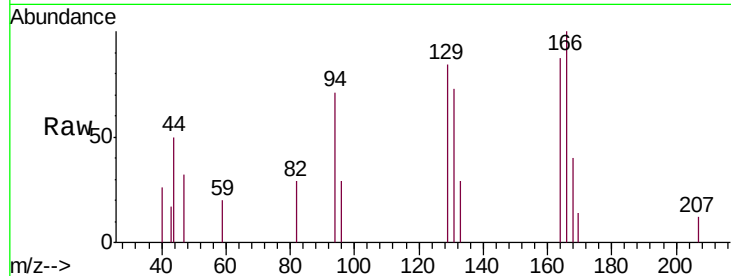
Ion Ratio Lower Upper

164 100

129 97.0 68.5 127.1

131 84.6 67.3 124.9

166 115.6 93.1 172.9



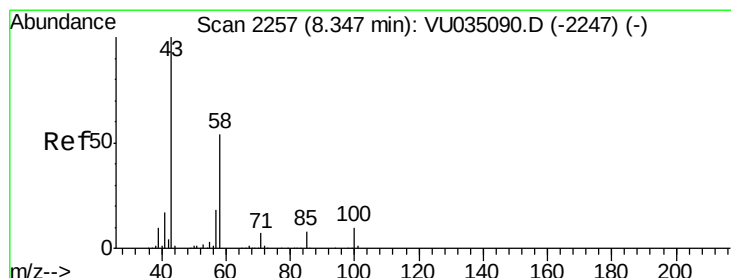
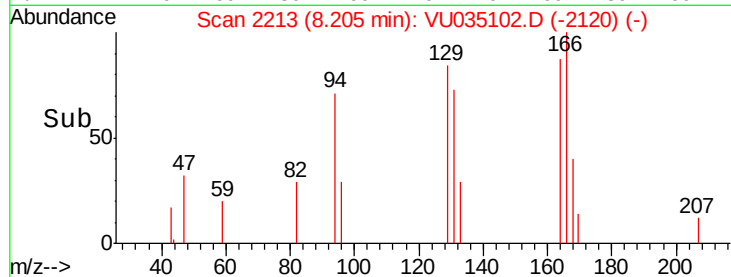
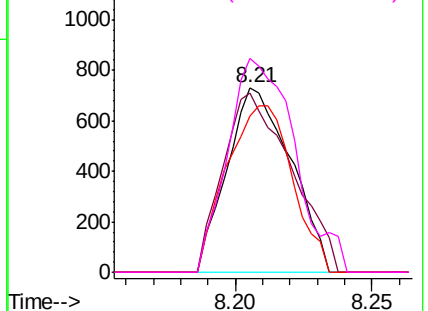
Abundance

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: 3.133 ug/L

RT: 8.30 min Scan# 2243

Delta R.T. -0.05 min

Lab File: VU035102.D

Acq: 11 Oct 2019 20:21

Tgt Ion: 43 Resp: 19489

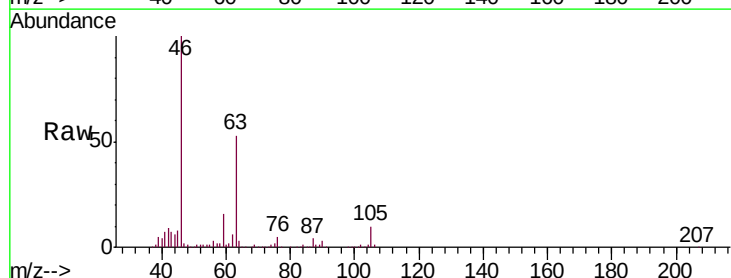
Ion Ratio Lower Upper

43 100

58 25.2 44.1 66.1#

57 26.9 15.8 23.8#

100 1.0 9.4 14.2#



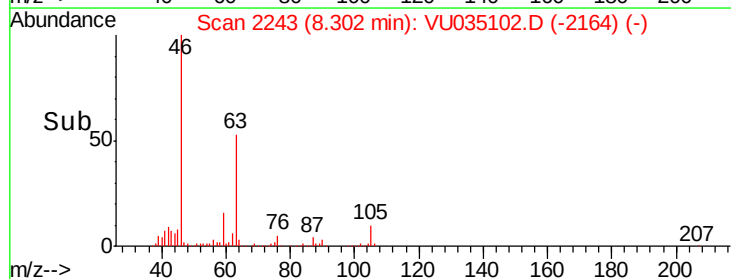
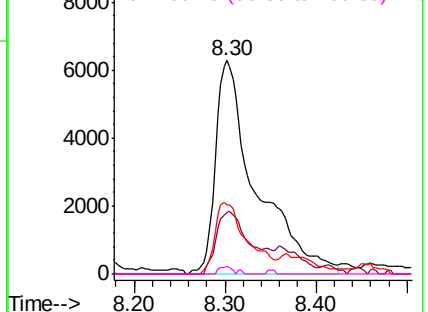
Abundance

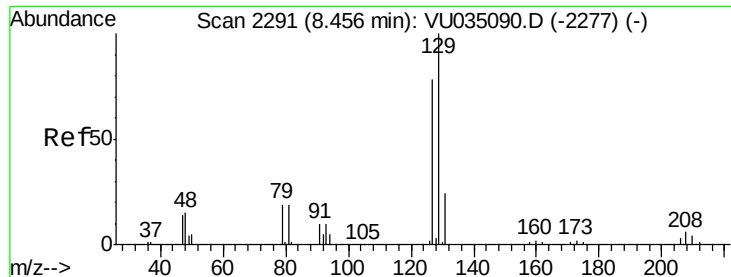
Ion 43.05 (42.75 to 43.75): VU0

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

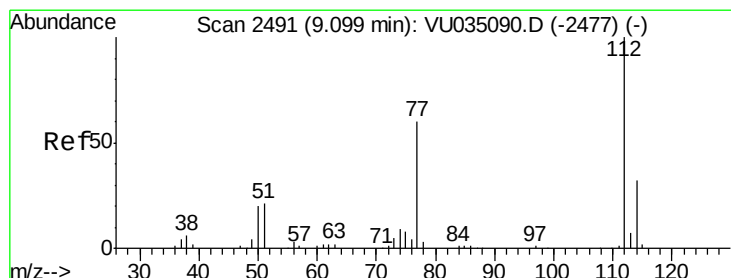
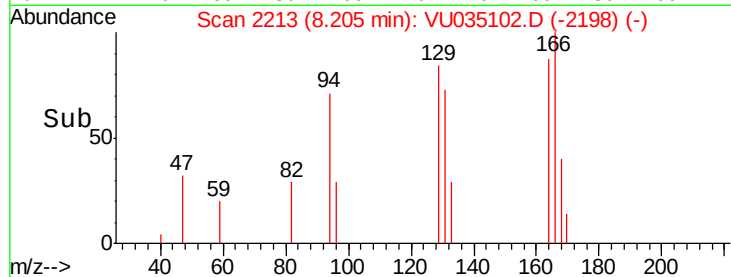
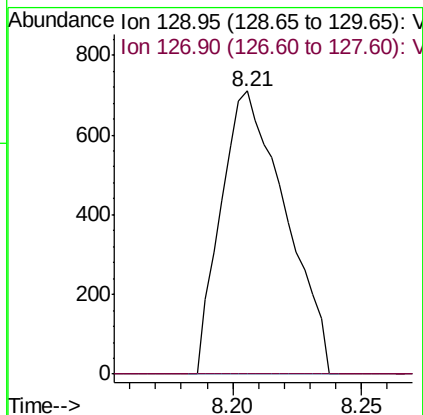
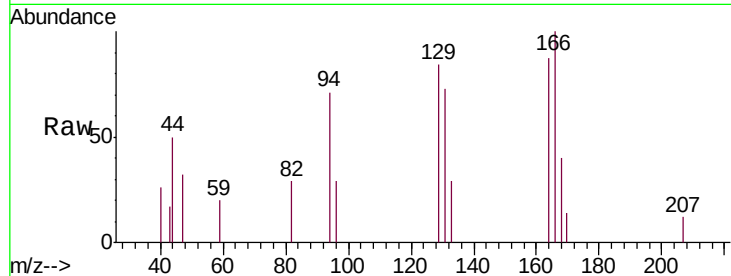




#49
Dibromochloromethane
Concen: 0.112 ug/L
RT: 8.21 min Scan# 2213
Delta R.T. -0.25 min
Lab File: VU035102.D
Acq: 11 Oct 2019 20:21

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

Tgt Ion:129 Resp: 1238
Ion Ratio Lower Upper
129 100
127 0.0 51.9 96.5#



#51
Chlorobenzene
Concen: 6.171 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU035102.D
Acq: 11 Oct 2019 20:21

Tgt Ion:112 Resp: 223064
Ion Ratio Lower Upper
112 100
114 31.6 22.1 41.1
77 59.7 46.9 70.3

