

Data File : VU035103.D
Acq On : 11 Oct 2019 20:46
Operator : JC/SP
Sample : K5310-05MSD
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

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

Quant Time: Oct 12 02:47:34 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	160099	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	166371	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	71768	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	56785	6.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	120.00%
7) Chloroethane-d5	1.67	69	51204	5.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	116.00%
11) 1,1-Dichloroethene-d2	2.26	63	104719	5.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	105.00%
20) 2-Butanone-d5	4.19	46	136404	48.94	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.88%
24) Chloroform-d	4.62	84	102348	5.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	115.60%
26) 1,2-Dichloroethane-d4	5.29	65	58127	5.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.60%
32) Benzene-d6	5.31	84	196437	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
36) 1,2-Dichloropropane-d6	6.31	67	69430	5.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.40%
41) Toluene-d8	7.55	98	172749	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
43) trans-1,3-Dichloropropene-	7.84	79	22222	4.74	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.80%
46) 2-Hexanone-d5	8.30	63	121711	54.52	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.04%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	58248	5.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.00%
64) 1,2-Dichlorobenzene-d4	11.84	152	64584	5.33	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.60%

Target Compounds

					Qvalue
5) Vinyl chloride	1.40	62	147701	9.369 ug/L	100
8) Chloroethane	1.78	64	8876	0.939 ug/L #	54
12) 1,1-Dichloroethene	2.27	96	39364	3.828 ug/L	87
13) Acetone	2.33	43	4366	1.913 ug/L #	1
14) Carbon disulfide	2.46	76	7018	0.205 ug/L	96
15) Methyl Acetate	2.61	43	801	0.132 ug/L #	53
18) trans-1,2-Dichloroethene	2.96	96	161075	14.628 ug/L	93
22) cis-1,2-Dichloroethene	4.20	96	10308	0.839 ug/L	84
27) 1,2-Dichloroethane	5.36	62	1861	0.130 ug/L #	77
33) Benzene	5.36	78	201566	4.022 ug/L	100
34) Trichloroethene	6.16	95	52516	4.063 ug/L	97
35) Methylcyclohexane	6.31	83	15485	0.740 ug/L #	19
37) 1,2-Dichloropropane	6.31	63	7579	0.561 ug/L #	88
42) Toluene	7.62	91	226363	4.327 ug/L	99
44) trans-1,3-Dichloropropene	7.84	75	1140	0.080 ug/L	84
47) Tetrachloroethene	8.21	164	1110	0.106 ug/L	92
48) 2-Hexanone	8.30	43	15096	2.588 ug/L #	71

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

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QLast Update : Sat Oct 12 02:39:23 2019
Response via : Initial Calibration

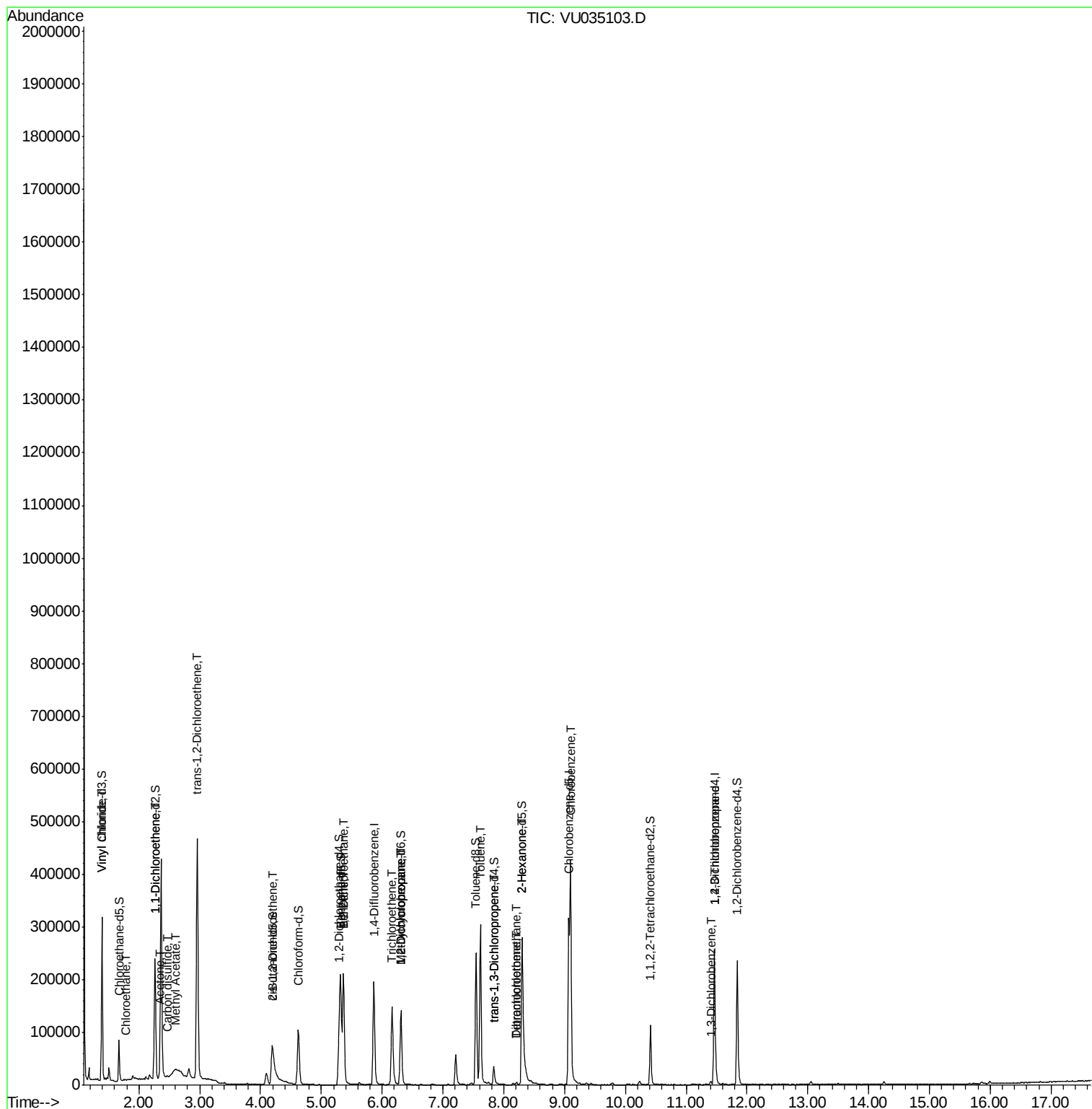
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.21	129	910	0.088	ug/L #	12
51) Chlorobenzene	9.10	112	222928	6.576	ug/L	98
59) 1,2,3-Trichloropropane	11.46	75	10577	1.209	ug/L #	42
62) 1,3-Dichlorobenzene	11.40	146	2563	0.116	ug/L	90

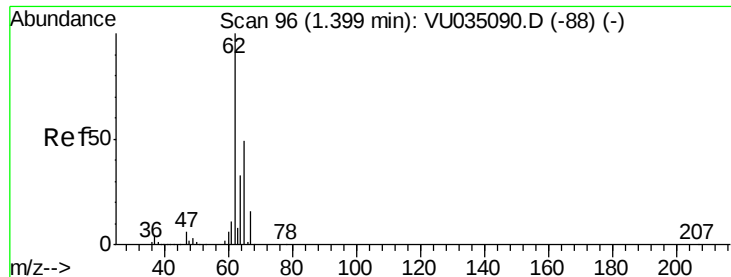
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 9.369 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU035103.D

Acq: 11 Oct 2019 20:46

Instrument :

MSVOA_U

ClientSampleId :

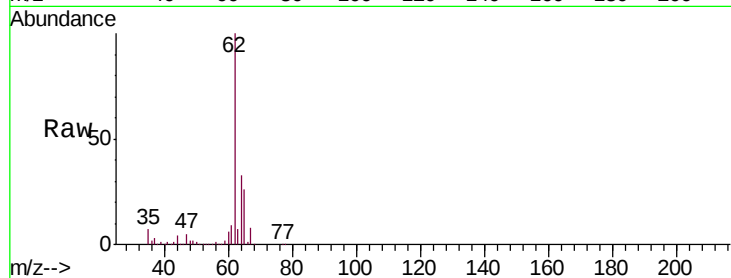
IW-2-001-01MSD

Tgt Ion: 62 Resp: 147701

Ion Ratio Lower Upper

62 100

64 32.6 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU035090.D (-88) (-)

Ion 64.10 (63.80 to 64.80): VU035103.D (-94) (-)

1.40

150000

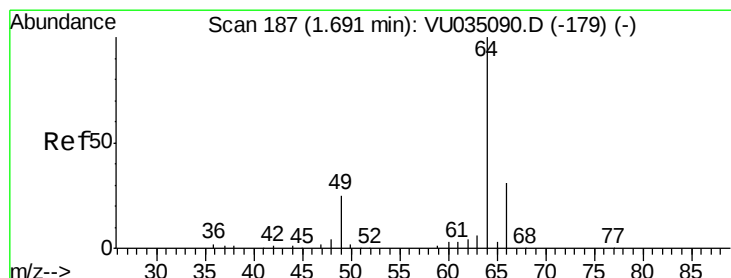
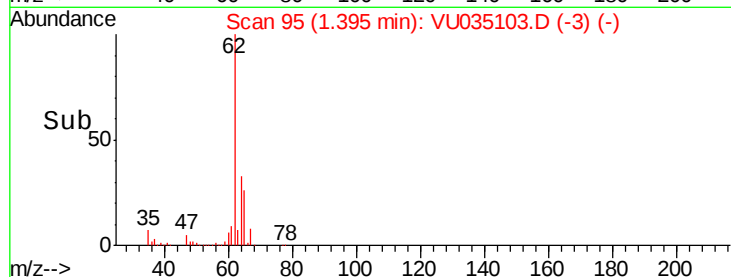
100000

50000

0

1.35 1.40 1.45 1.50

Time-->



#8

Chloroethane

Concen: 0.939 ug/L

RT: 1.78 min Scan# 215

Delta R.T. 0.09 min

Lab File: VU035103.D

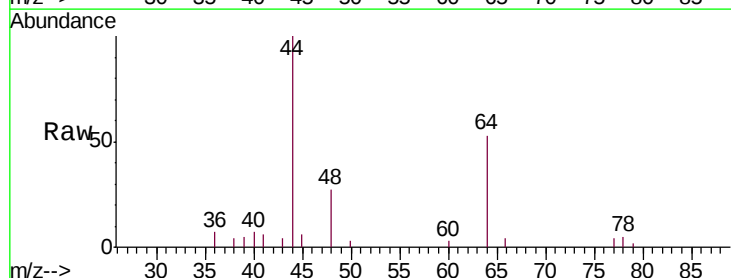
Acq: 11 Oct 2019 20:46

Tgt Ion: 64 Resp: 8876

Ion Ratio Lower Upper

64 100

66 7.1 23.2 43.2#



Abundance Ion 64.10 (63.80 to 64.80): VU035090.D (-179) (-)

Ion 66.05 (65.75 to 66.75): VU035103.D (-94) (-)

1.78

3000

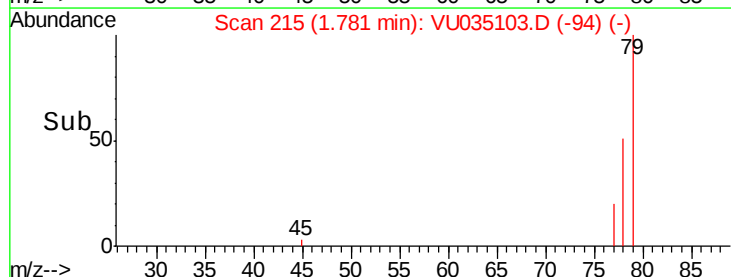
2000

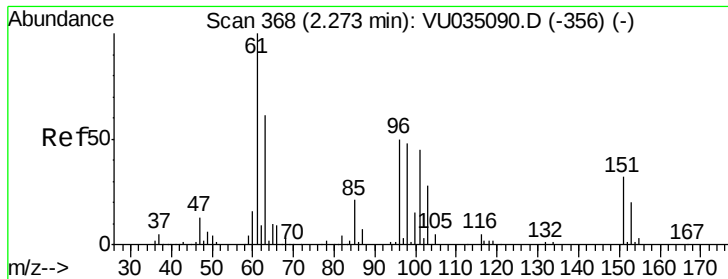
1000

0

1.60 1.70 1.80

Time-->





#12

1,1-Dichloroethene

Concen: 3.828 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU035103.D

Acq: 11 Oct 2019 20:46

Instrument :

MSVOA_U

ClientSampleId :

IW-2-001-01MSD

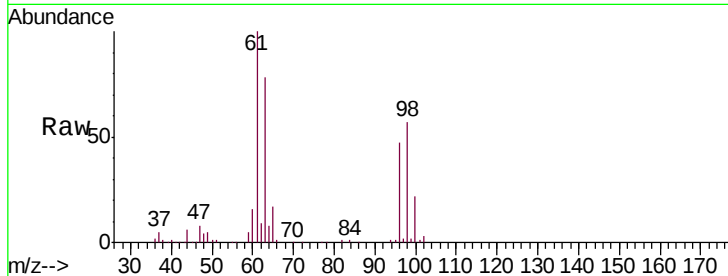
Tgt Ion: 96 Resp: 39364

Ion Ratio Lower Upper

96 100

61 210.5 129.3 240.1

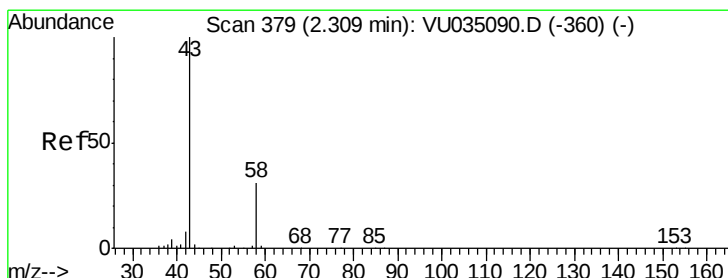
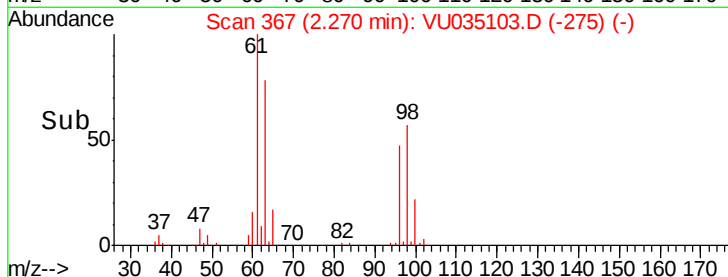
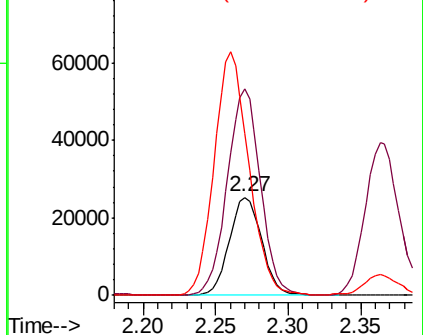
63 164.7 108.9 202.3



Abundance Ion 96.00 (95.70 to 96.70): VU035103.D (-275) (-)

Ion 61.05 (60.75 to 61.75): VU035103.D (-275) (-)

Ion 63.00 (62.70 to 63.70): VU035103.D (-275) (-)



#13

Acetone

Concen: 1.913 ug/L

RT: 2.33 min Scan# 387

Delta R.T. 0.03 min

Lab File: VU035103.D

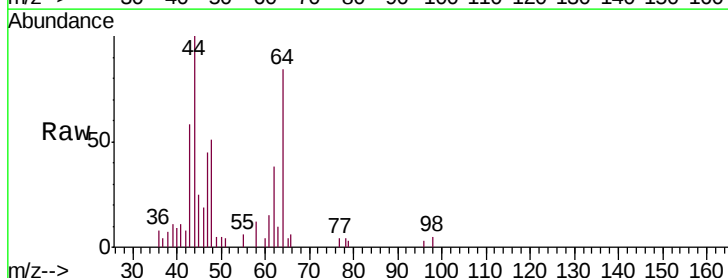
Acq: 11 Oct 2019 20:46

Tgt Ion: 43 Resp: 4366

Ion Ratio Lower Upper

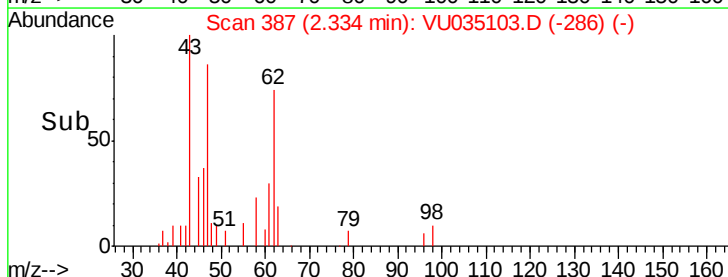
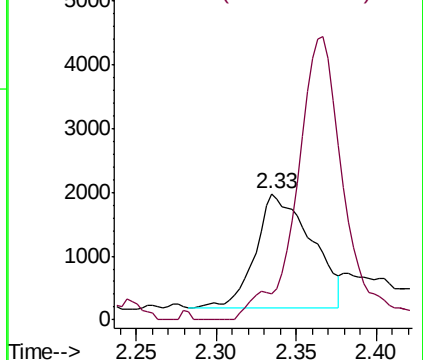
43 100

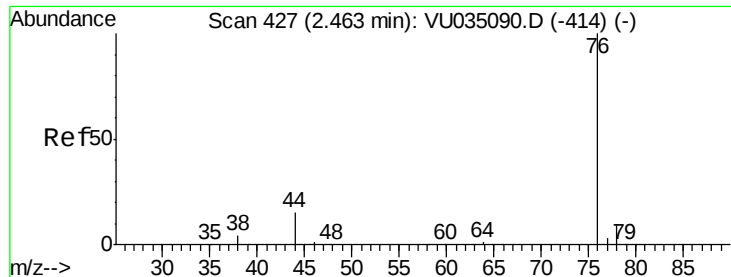
58 206.1 0.0 66.6#



Abundance Ion 43.05 (42.75 to 43.75): VU035103.D (-286) (-)

Ion 58.05 (57.75 to 58.75): VU035103.D (-286) (-)





#14

Carbon disulfide

Concen: 0.205 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU035103.D

Acq: 11 Oct 2019 20:46

Instrument :

MSVOA_U

ClientSampleId :

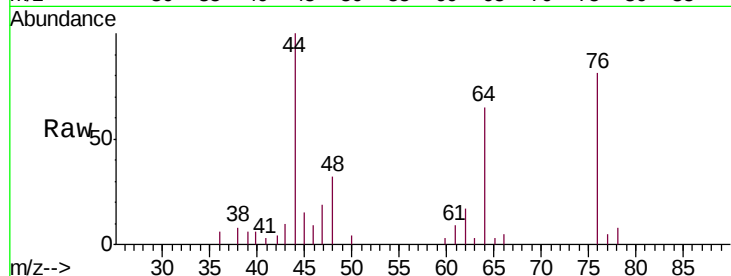
IW-2-001-01MSD

Tgt Ion: 76 Resp: 7018

Ion Ratio Lower Upper

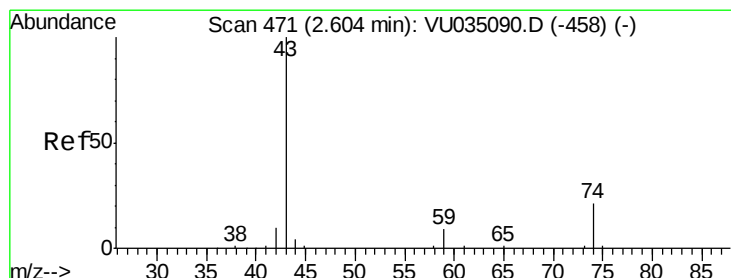
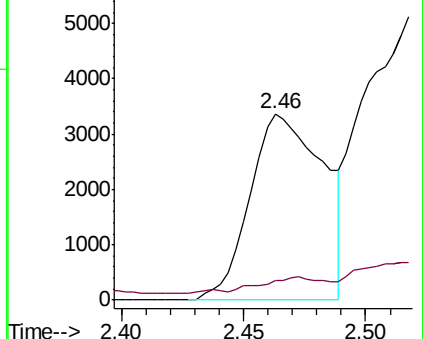
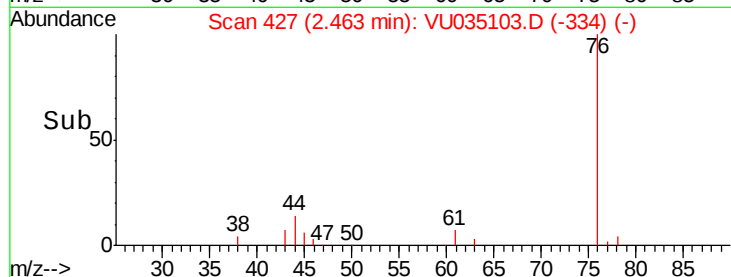
76 100

78 10.2 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU035103.D (-334) (-)

Ion 78.00 (77.70 to 78.70): VU035103.D (-334) (-)



#15

Methyl Acetate

Concen: 0.132 ug/L

RT: 2.61 min Scan# 472

Delta R.T. 0.00 min

Lab File: VU035103.D

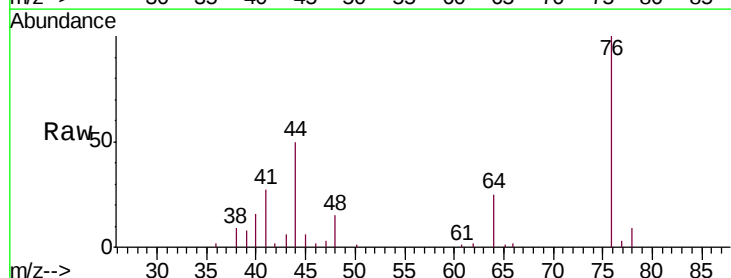
Acq: 11 Oct 2019 20:46

Tgt Ion: 43 Resp: 801

Ion Ratio Lower Upper

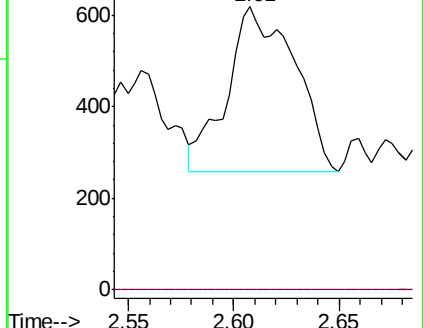
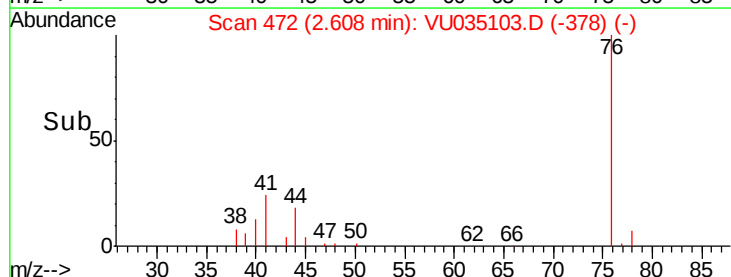
43 100

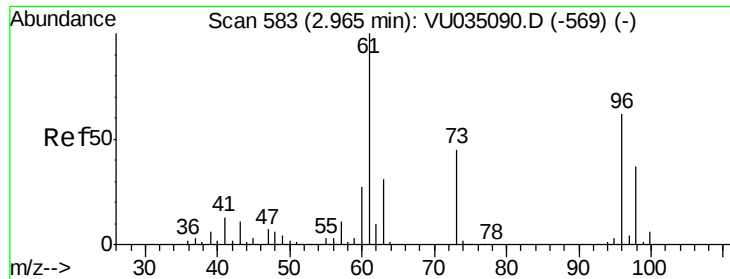
74 0.0 17.8 26.8#



Abundance Ion 43.05 (42.75 to 43.75): VU035103.D (-378) (-)

Ion 74.05 (73.75 to 74.75): VU035103.D (-378) (-)

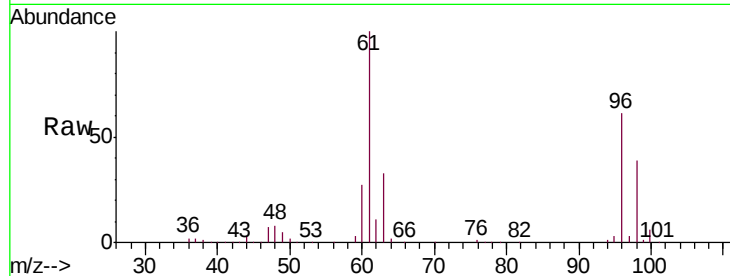




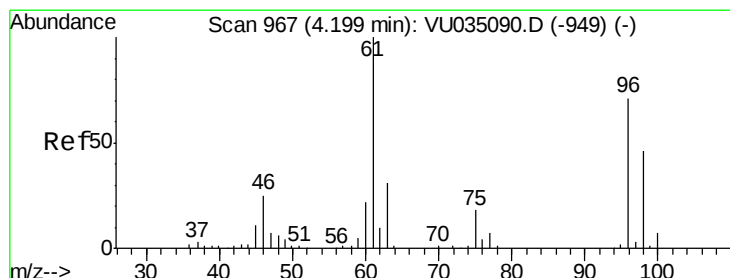
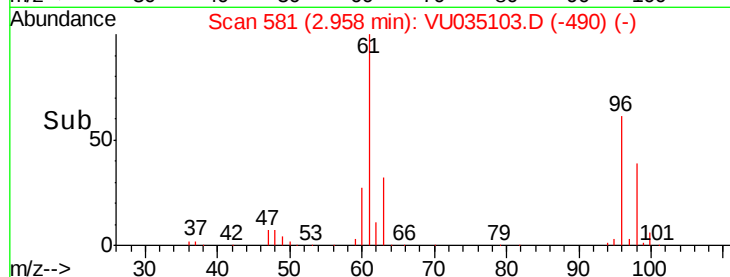
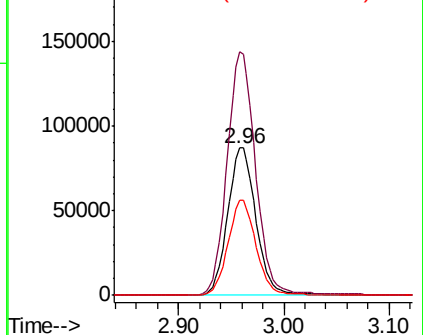
#18
trans-1,2-Dichloroethene
Concen: 14.628 ug/L
RT: 2.96 min Scan# 581
Delta R.T. -0.01 min
Lab File: VU035103.D
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MSVOA_U
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IW-2-001-01MSD

Tgt Ion: 96 Resp: 161075
Ion Ratio Lower Upper
96 100
61 165.0 107.1 198.9
98 64.1 45.4 84.4

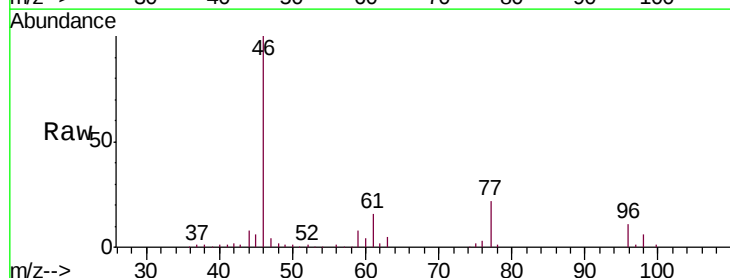


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

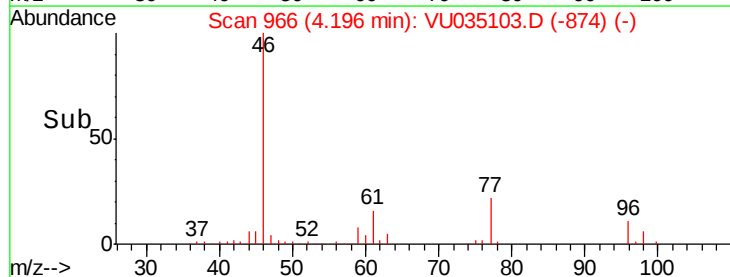
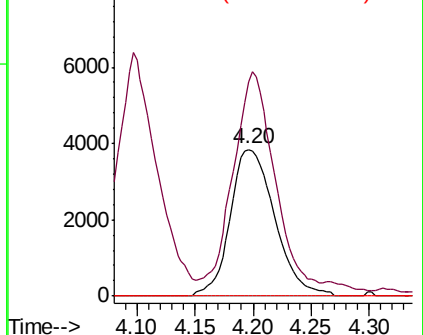


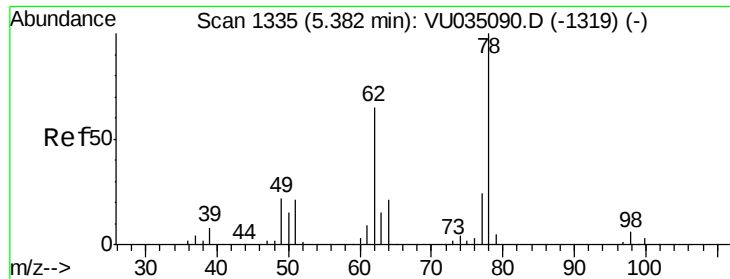
#22
cis-1,2-Dichloroethene
Concen: 0.839 ug/L
RT: 4.20 min Scan# 966
Delta R.T. -0.00 min
Lab File: VU035103.D
Acq: 11 Oct 2019 20:46

Tgt Ion: 96 Resp: 10308
Ion Ratio Lower Upper
96 100
61 146.3 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

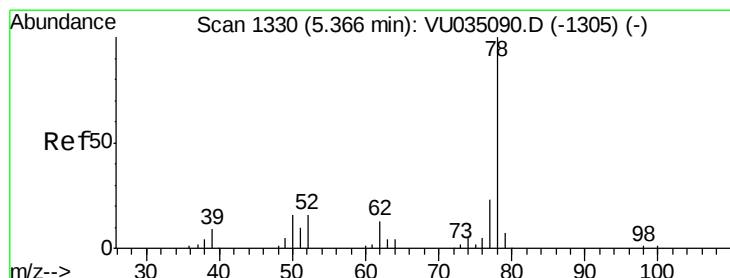
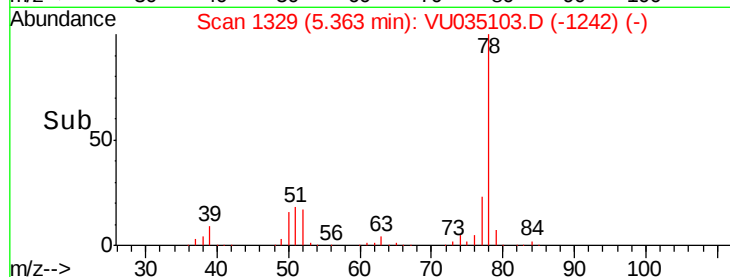
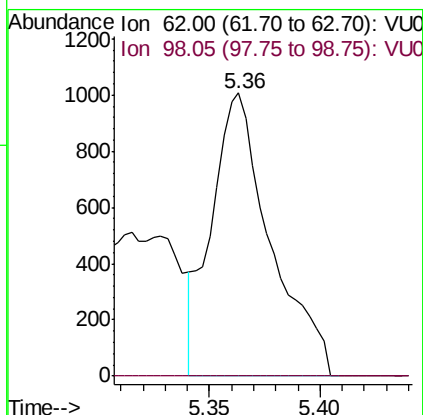
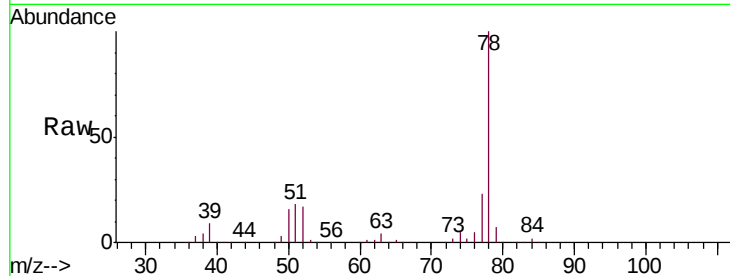




#27
 1,2-Dichloroethane
 Concen: 0.130 ug/L
 RT: 5.36 min Scan# 1329
 Delta R.T. -0.02 min
 Lab File: VU035103.D
 Acq: 11 Oct 2019 20:46

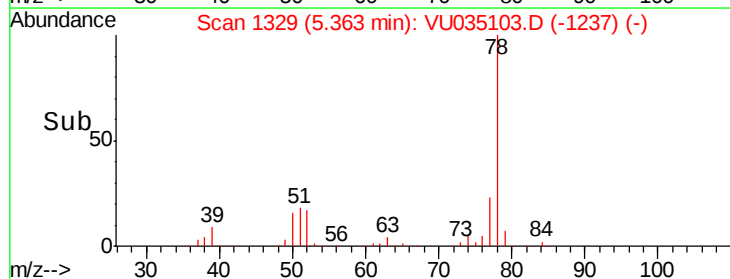
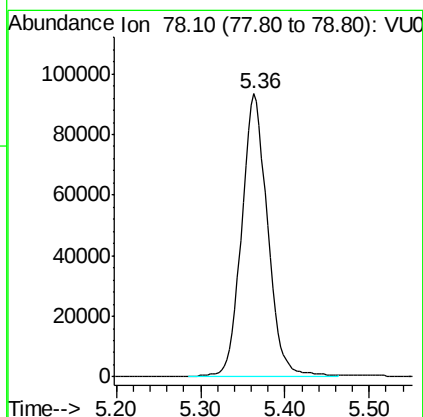
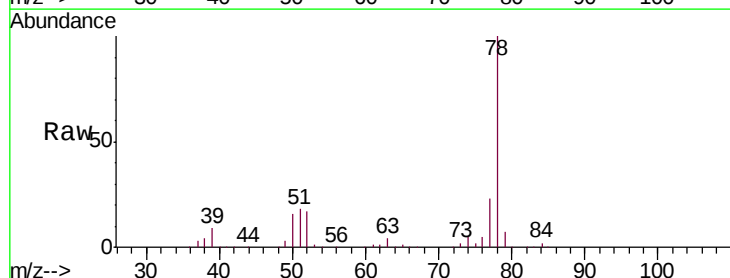
Instrument :
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 IW-2-001-01MSD

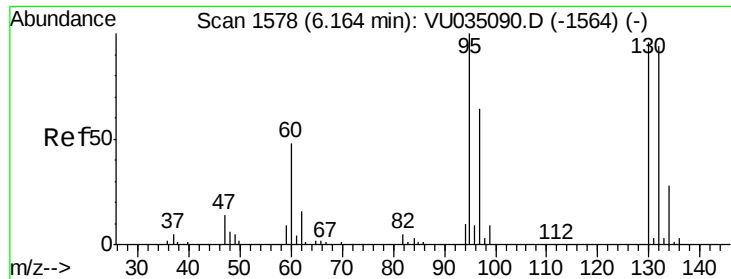
Tgt Ion: 62 Resp: 1861
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



#33
 Benzene
 Concen: 4.022 ug/L
 RT: 5.36 min Scan# 1329
 Delta R.T. -0.00 min
 Lab File: VU035103.D
 Acq: 11 Oct 2019 20:46

Tgt Ion: 78 Resp: 201566





#34

Trichloroethene

Concen: 4.063 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU035103.D

Acq: 11 Oct 2019 20:46

Instrument :

MSVOA_U

ClientSampleId :

IW-2-001-01MSD

Tgt Ion: 95 Resp: 52516

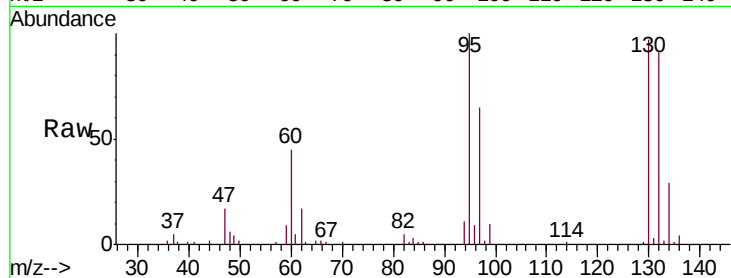
Ion Ratio Lower Upper

95 100

97 65.4 44.5 82.7

132 91.3 66.6 123.8

130 96.7 68.9 127.9



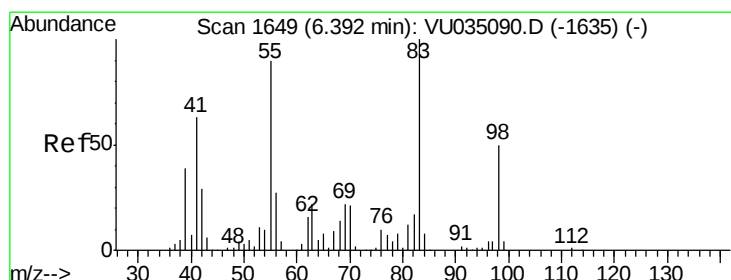
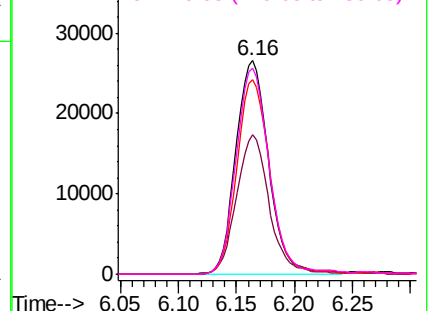
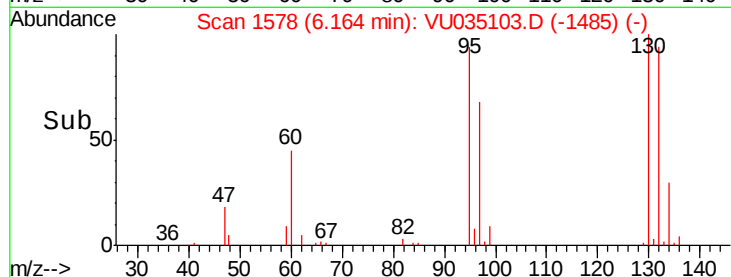
Abundance

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: 0.740 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.08 min

Lab File: VU035103.D

Acq: 11 Oct 2019 20:46

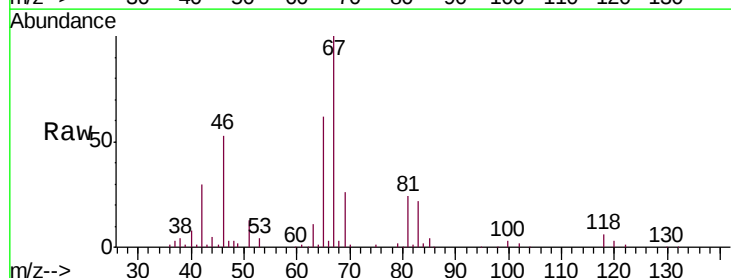
Tgt Ion: 83 Resp: 15485

Ion Ratio Lower Upper

83 100

55 1.4 62.6 94.0#

98 0.0 36.2 54.2#

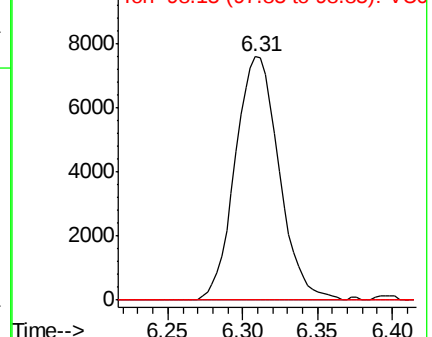
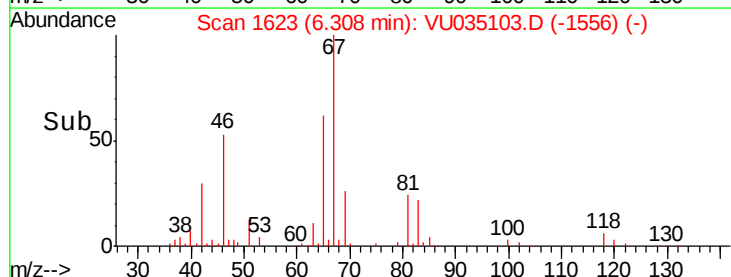


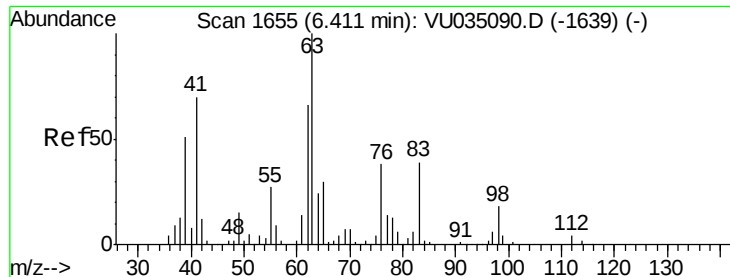
Abundance

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

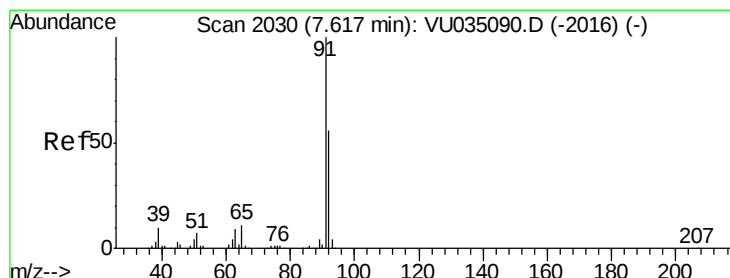
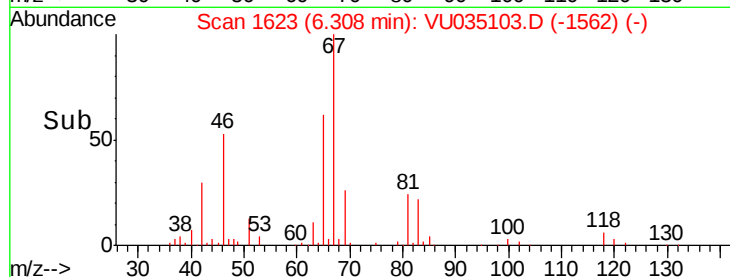
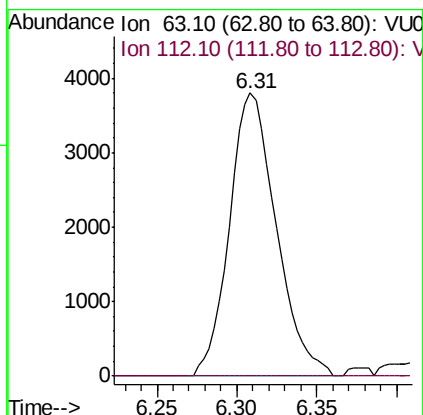
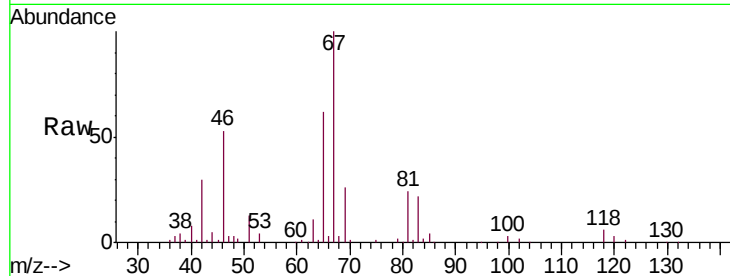




#37
 1,2-Dichloropropane
 Concen: 0.561 ug/L
 RT: 6.31 min Scan# 1623
 Delta R.T. -0.10 min
 Lab File: VU035103.D
 Acq: 11 Oct 2019 20:46

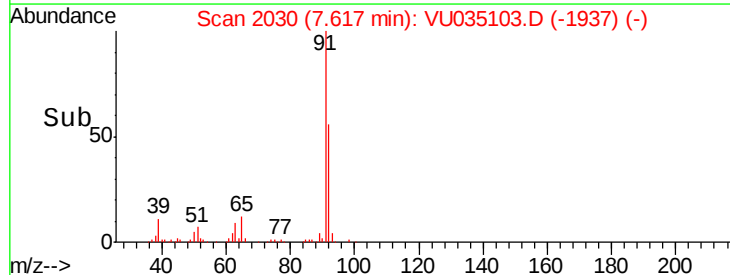
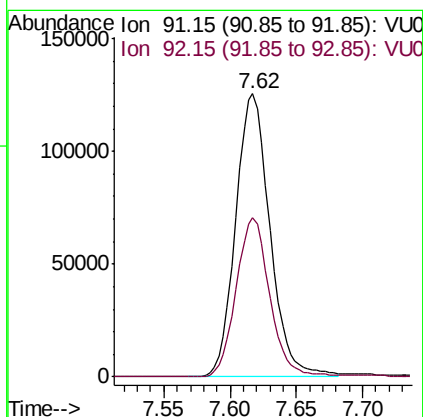
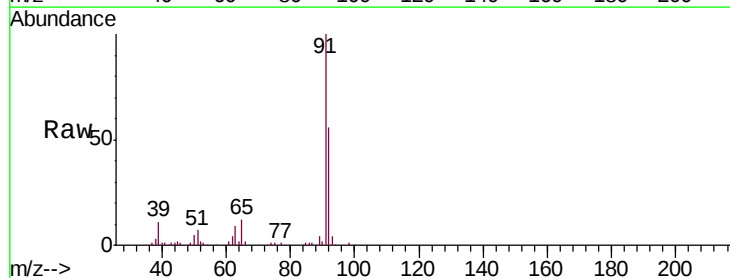
Instrument :
 MSVOA_U
 ClientSampleId :
 IW-2-001-01MSD

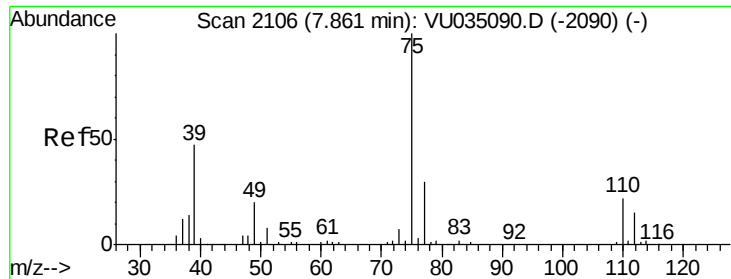
Tgt Ion: 63 Resp: 7579
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#42
 Toluene
 Concen: 4.327 ug/L
 RT: 7.62 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: VU035103.D
 Acq: 11 Oct 2019 20:46

Tgt Ion: 91 Resp: 226363
 Ion Ratio Lower Upper
 91 100
 92 56.4 40.0 74.2





#44

trans-1,3-Dichloropropene

Concen: 0.080 ug/L

RT: 7.84 min Scan# 2098

Delta R.T. -0.03 min

Lab File: VU035103.D

Acq: 11 Oct 2019 20:46

Instrument :

MSVOA_U

ClientSampleId :

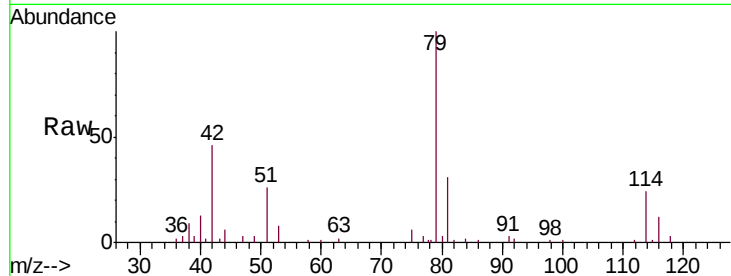
IW-2-001-01MSD

Tgt Ion: 75 Resp: 1140

Ion Ratio Lower Upper

75 100

77 39.7 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VU035103.D (-2133) (-)

Ion 77.05 (76.75 to 77.75): VU035103.D (-2133) (-)

7.84

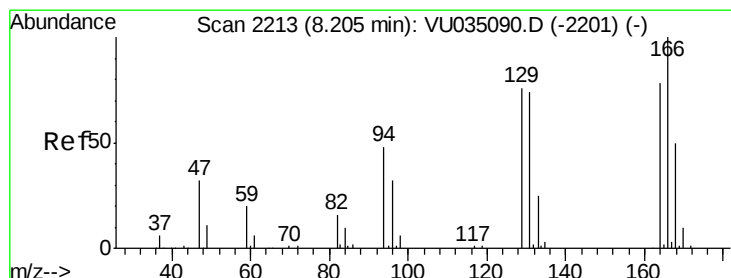
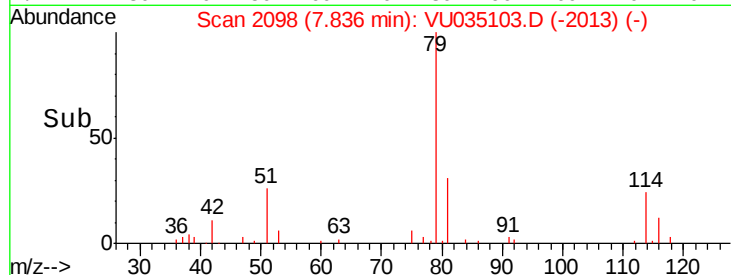
600

400

200

0

Time-->



#47

Tetrachloroethene

Concen: 0.106 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VU035103.D

Acq: 11 Oct 2019 20:46

Tgt Ion: 164 Resp: 1110

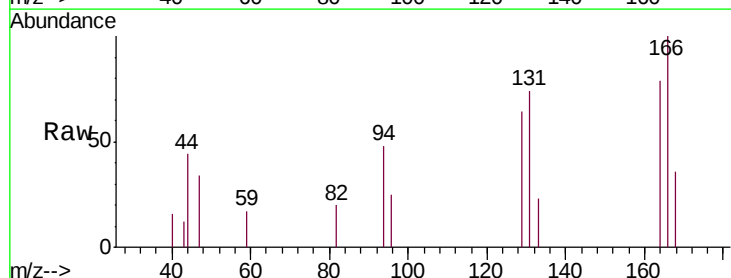
Ion Ratio Lower Upper

164 100

129 81.1 68.5 127.1

131 94.1 67.3 124.9

166 127.3 93.1 172.9



Abundance Ion 163.90 (163.60 to 164.60): VU035103.D (-2120) (-)

Ion 128.95 (128.65 to 129.65): VU035103.D (-2120) (-)

Ion 130.95 (130.65 to 131.65): VU035103.D (-2120) (-)

Ion 165.90 (165.60 to 166.60): VU035103.D (-2120) (-)

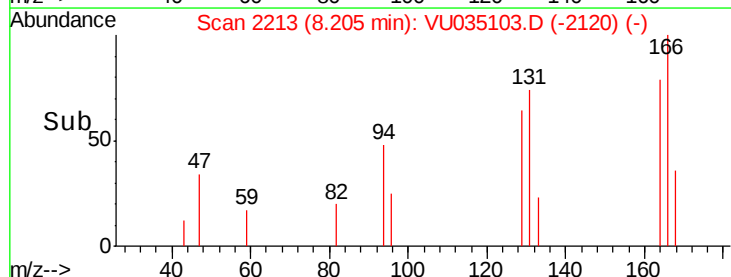
8.21

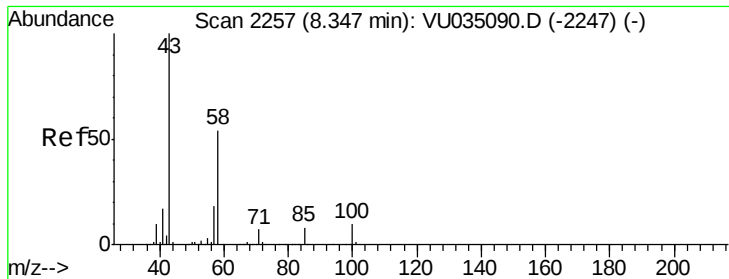
1000

500

0

Time-->

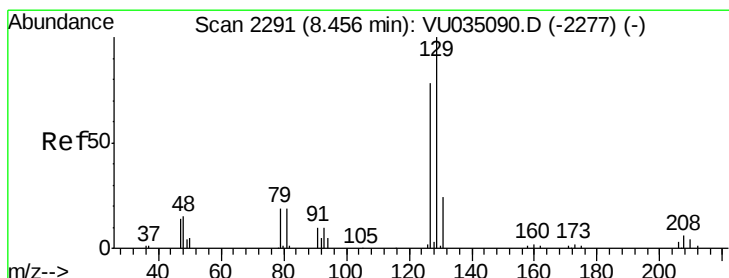
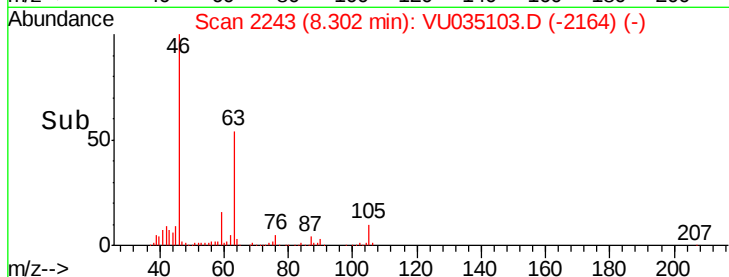
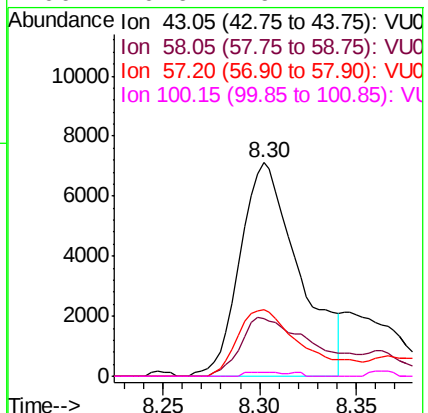
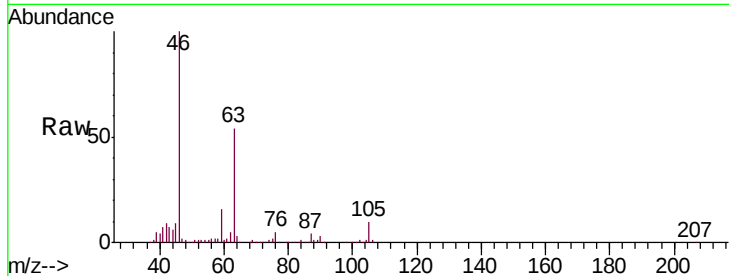




#48
2-Hexanone
Concen: 2.588 ug/L
RT: 8.30 min Scan# 2243
Delta R.T. -0.05 min
Lab File: VU035103.D
Acq: 11 Oct 2019 20:46

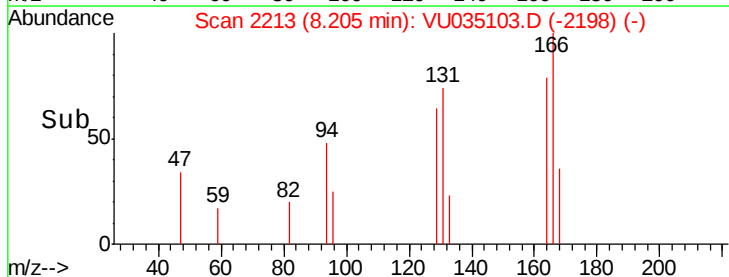
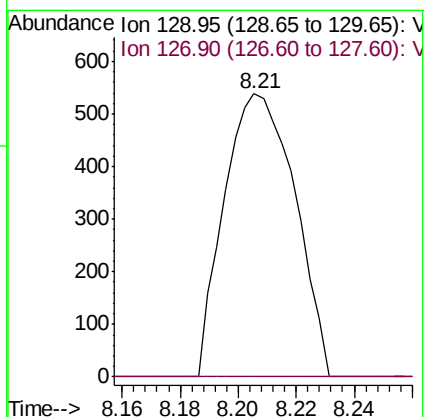
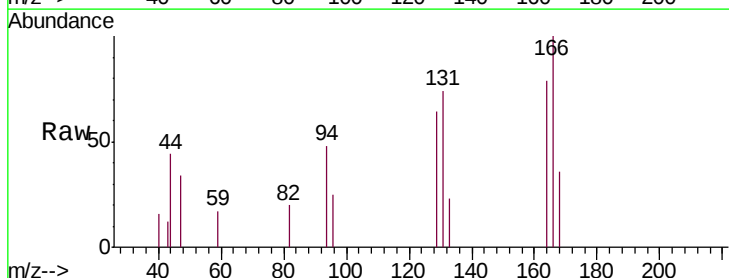
Instrument :
MSVOA_U
ClientSampleId :
IW-2-001-01MSD

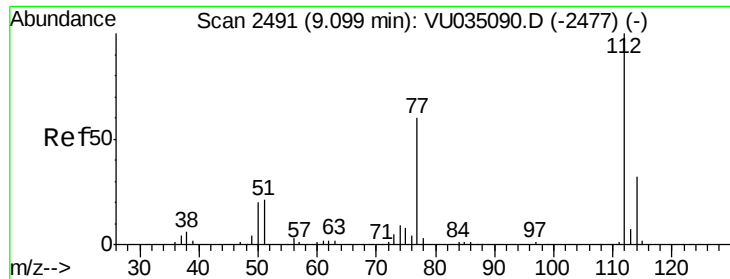
Tgt Ion: 43 Resp: 15096
Ion Ratio Lower Upper
43 100
58 35.1 44.1 66.1#
57 34.8 15.8 23.8#
100 0.6 9.4 14.2#



#49
Dibromochloromethane
Concen: 0.088 ug/L
RT: 8.21 min Scan# 2213
Delta R.T. -0.25 min
Lab File: VU035103.D
Acq: 11 Oct 2019 20:46

Tgt Ion: 129 Resp: 910
Ion Ratio Lower Upper
129 100
127 0.0 51.9 96.5#

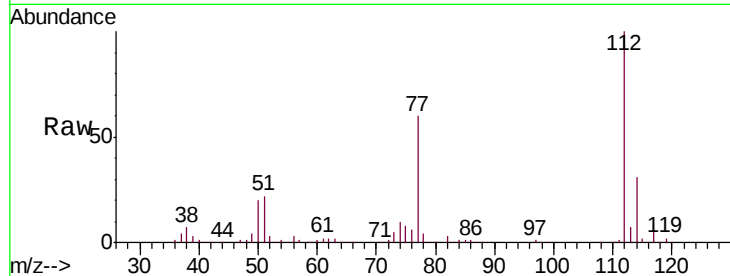




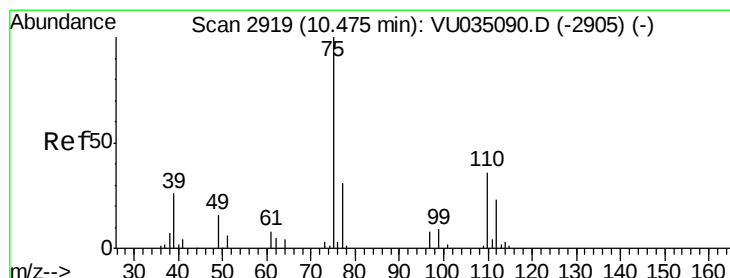
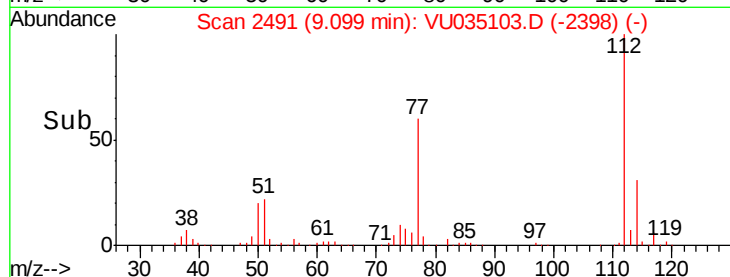
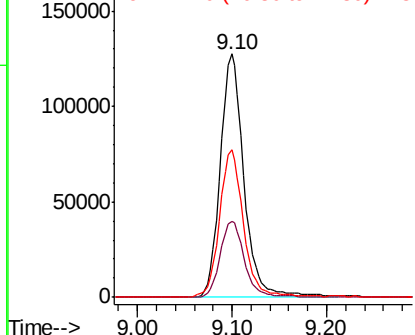
#51
Chlorobenzene
Concen: 6.576 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU035103.D
Acq: 11 Oct 2019 20:46

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

Tgt Ion: 112 Resp: 222928
Ion Ratio Lower Upper
112 100
114 31.4 22.1 41.1
77 60.4 46.9 70.3

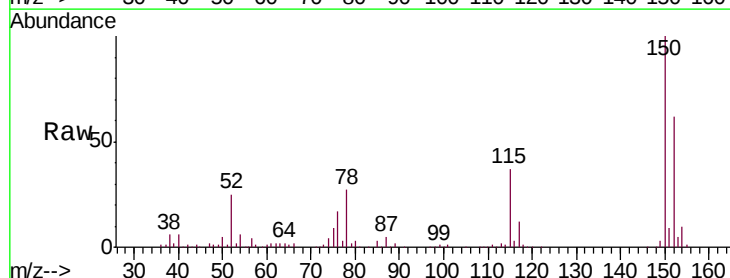


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VU0

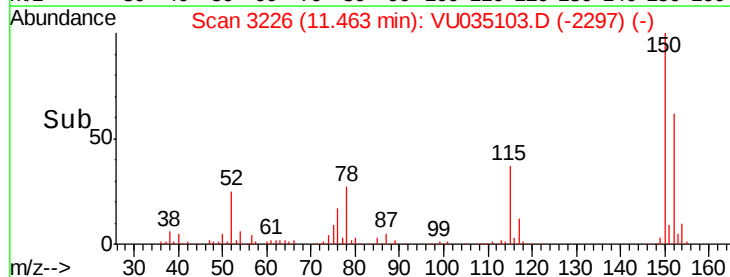
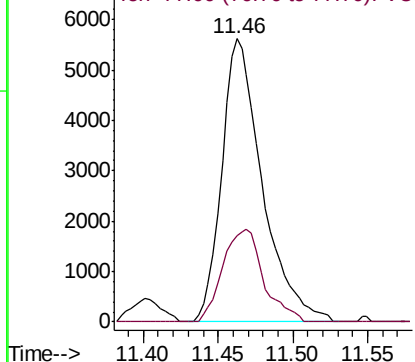


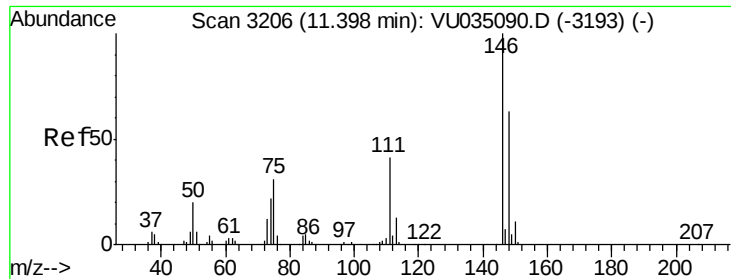
#59
1,2,3-Trichloropropane
Concen: 1.209 ug/L
RT: 11.46 min Scan# 3226
Delta R.T. 0.99 min
Lab File: VU035103.D
Acq: 11 Oct 2019 20:46

Tgt Ion: 75 Resp: 10577
Ion Ratio Lower Upper
75 100
77 0.0 26.5 39.7#



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0





#62
 1,3-Dichlorobenzene
 Concen: 0.116 ug/L
 RT: 11.40 min Scan# 3208
 Delta R.T. 0.01 min
 Lab File: VU035103.D
 Acq: 11 Oct 2019 20:46

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

Tgt Ion: 146 Resp: 2563
 Ion Ratio Lower Upper
 146 100
 111 42.9 28.6 53.2
 148 53.7 45.0 83.6

