

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052820\
 Data File : VU038344.D
 Acq On : 28 May 2020 14:23
 Operator : JC/MD
 Sample : L2756-04 200X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETKW8

Quant Time: May 29 04:32:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 29 04:31:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	627097	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	610241	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	292280	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	227295	57.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	115.48%
7) Chloroethane-d5	1.93	69	173829	57.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	114.30%
11) 1,1-Dichloroethene-d2	2.59	63	338559	42.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.16%
21) 2-Butanone-d5	4.66	46	401660	107.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.39%
24) Chloroform-d	5.10	84	406539	52.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.18%
26) 1,2-Dichloroethane-d4	5.74	65	275573	52.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.04%
32) Benzene-d6	5.76	84	864661	54.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.06%
36) 1,2-Dichloropropane-d6	6.72	67	264444	53.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.60%
41) Toluene-d8	7.93	98	760058	54.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.46%
43) trans-1,3-Dichloropropene-	8.20	79	127352	52.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.08%
47) 2-Hexanone-d5	8.66	63	293611	113.46	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.46%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	356600	49.02	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.04%
64) 1,2-Dichlorobenzene-d4	12.21	152	296634	54.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.50%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	4069	1.057	ug/L #	25
12) 1,1-Dichloroethene	2.60	96	14504	3.815	ug/L #	1
16) Methylene chloride	3.08	84	33243	7.609	ug/L	96
19) 1,1-Dichloroethane	3.91	63	46345	5.992	ug/L	96
20) cis-1,2-Dichloroethene	4.71	96	753379	168.396	ug/L	98
30) 1,1,1-Trichloroethane	5.35	97	279799	42.165	ug/L	99
34) Trichloroethene	6.57	95	4451	1.015	ug/L	92
40) 4-Methyl-2-pentanone	7.82	43	14886	2.106	ug/L	96
42) Toluene	8.00	91	478627	26.600	ug/L	99
48) 2-Hexanone	8.71	43	17925	3.003	ug/L #	92
52) Ethylbenzene	9.59	91	87561	4.343	ug/L	99
53) m,p-Xylene	9.71	106	68409	8.873	ug/L	95
54) o-xylene	10.12	106	23988	3.200	ug/L	91
55) Styrene	10.13	104	11179	0.868	ug/L #	78
59) 1,2,3-Trichloropropane	11.83	75	37050	5.961	ug/L	91
69) Naphthalene	14.12	128	845720	40.499	ug/L	99

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QLast Update : Fri May 29 04:31:03 2020
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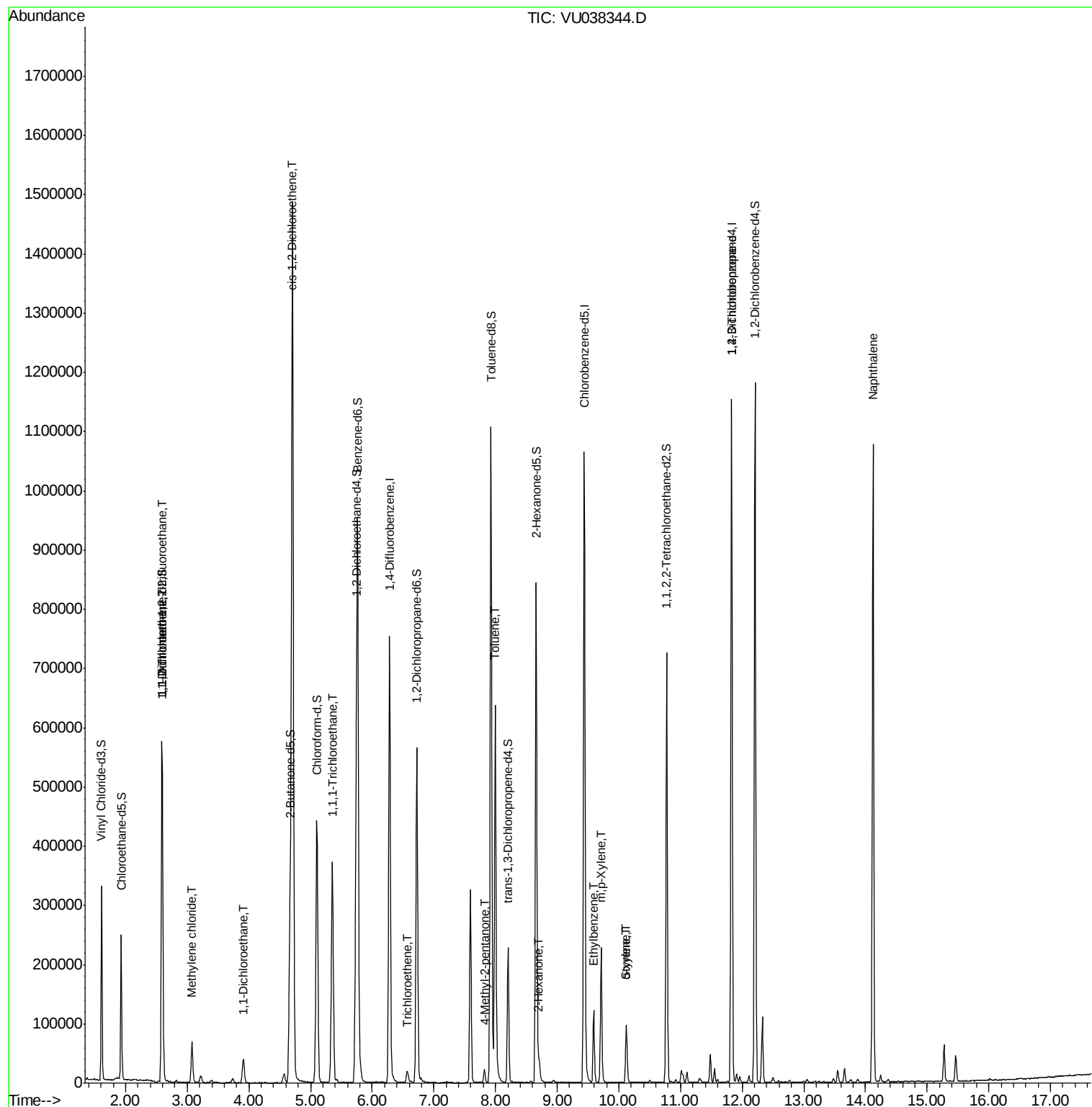
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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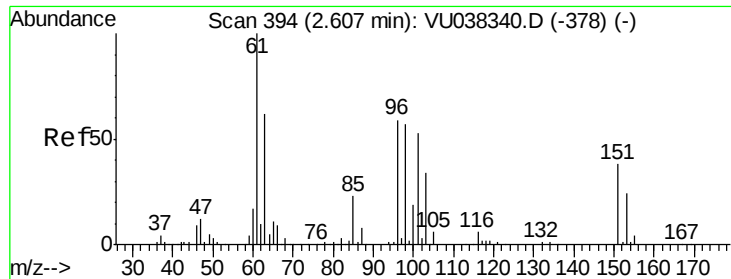
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.057 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.02 min

Lab File: VU038344.D

Acq: 28 May 2020 14:23

Instrument :

MSVOA_U

ClientSampleId :

ETKW8

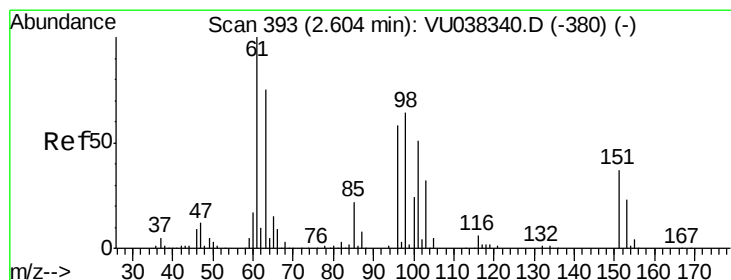
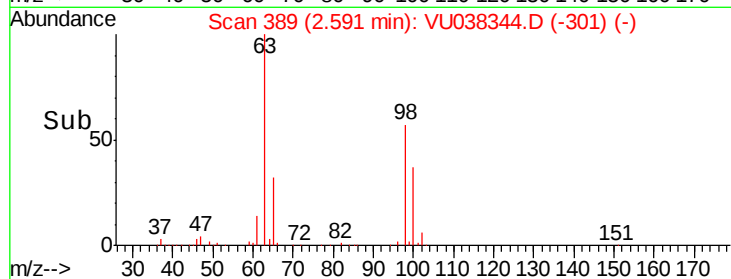
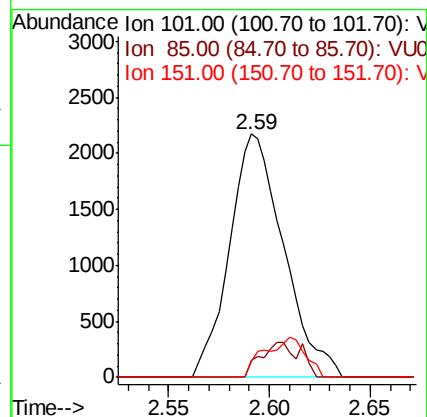
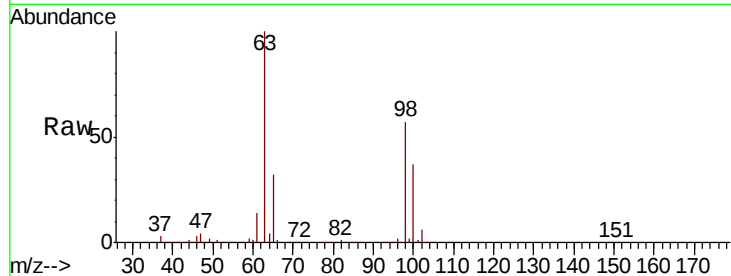
Tot Ion:101 Resp: 4069

Ion Ratio Lower Upper

101 100

85 2.5 35.5 53.3#

151 4.0 58.4 87.6#



#12

1,1-Dichloroethene

Concen: 3.815 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038344.D

Acq: 28 May 2020 14:23

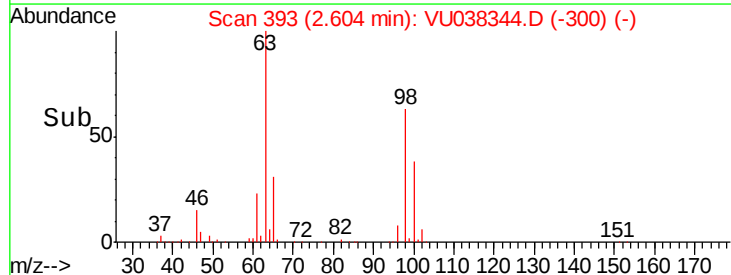
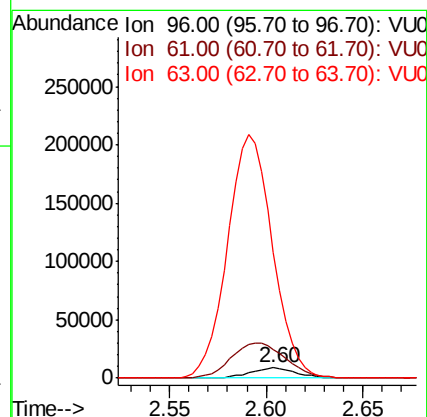
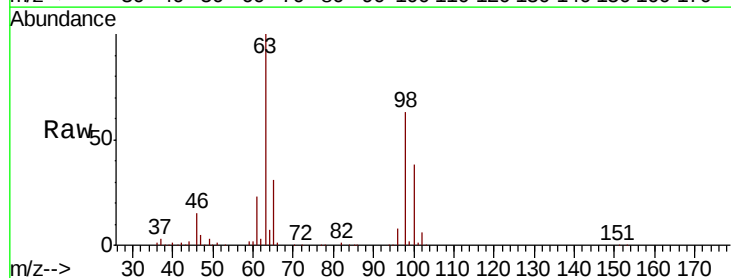
Tgt Ion: 96 Resp: 14504

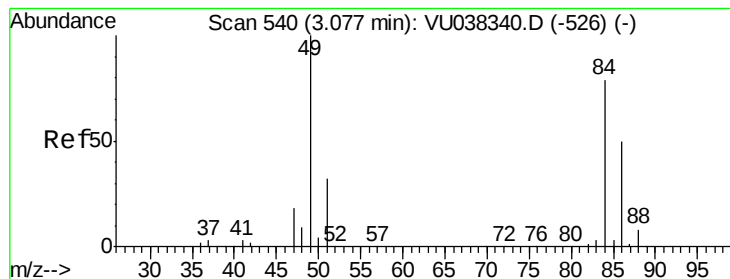
Ion Ratio Lower Upper

96 100

61 288.2 123.5 229.3#

63 1248.9 76.6 142.2#





#16

Methylene chloride

Concen: 7.609 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU038344.D

Acq: 28 May 2020 14:23

Instrument :

MSVOA_U

ClientSampled :

ETKW8

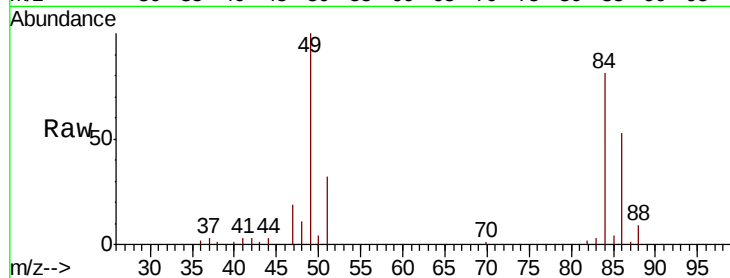
Tot Ion: 84 Resp: 33243

Ion Ratio Lower Upper

84 100

86 64.9 46.1 85.7

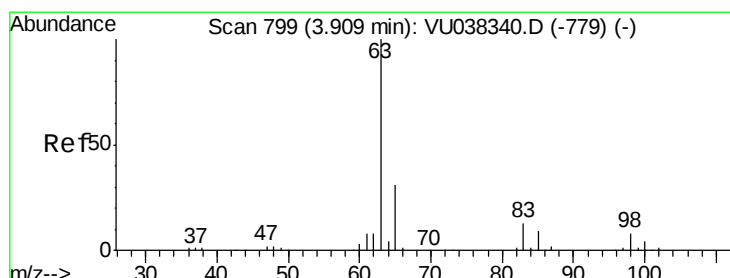
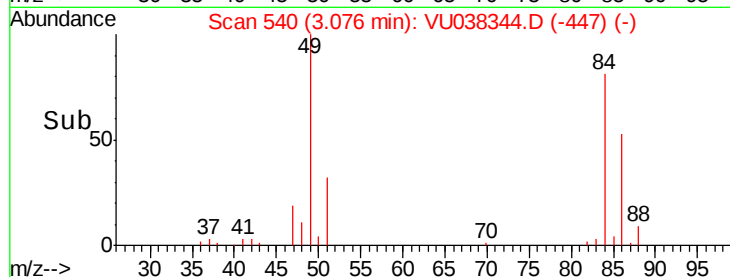
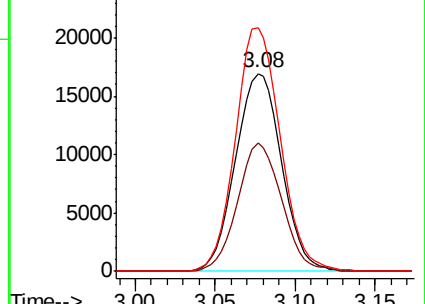
49 123.1 90.0 167.2



Abundance Ion 84.00 (83.70 to 84.70): VU038344.D (-526) (-)

Ion 86.00 (85.70 to 86.70): VU038344.D (-526) (-)

Ion 49.00 (48.70 to 49.70): VU038344.D (-526) (-)



#19

1,1-Dichloroethane

Concen: 5.992 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU038344.D

Acq: 28 May 2020 14:23

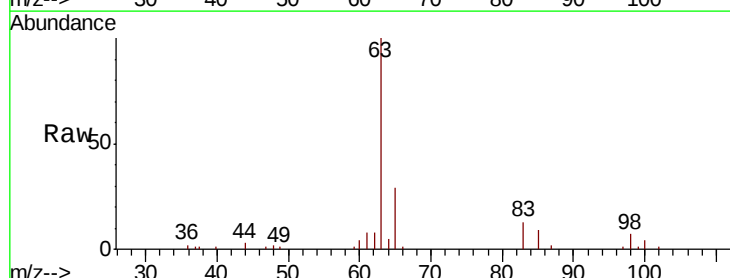
Tgt Ion: 63 Resp: 46345

Ion Ratio Lower Upper

63 100

65 29.2 22.2 41.2

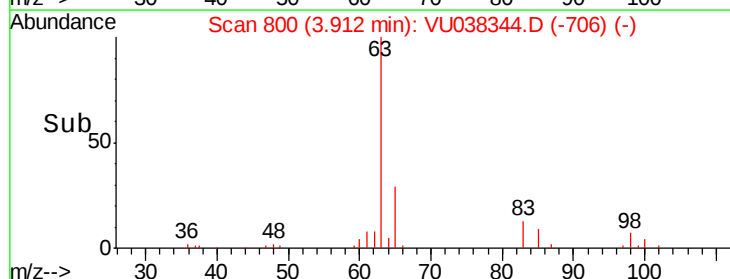
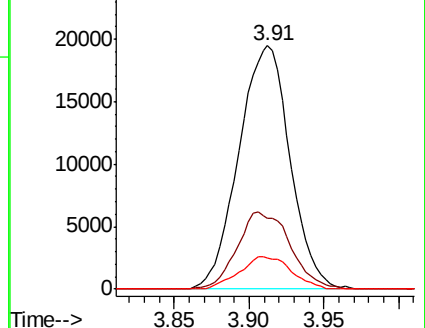
83 12.6 9.4 17.4

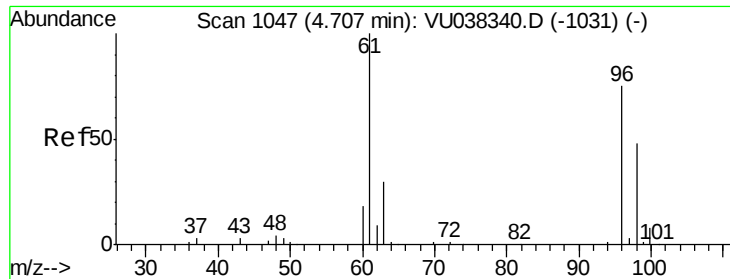


Abundance Ion 63.00 (62.70 to 63.70): VU038344.D (-779) (-)

Ion 65.00 (64.70 to 65.70): VU038344.D (-779) (-)

Ion 83.00 (82.70 to 83.70): VU038344.D (-779) (-)

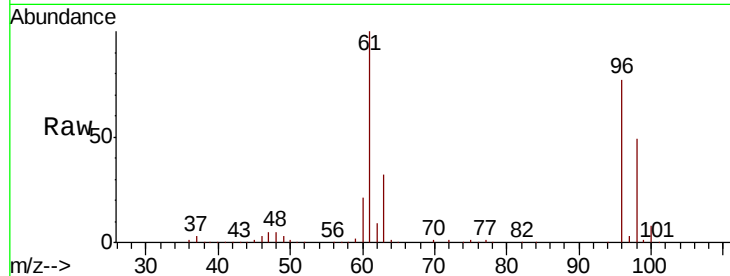




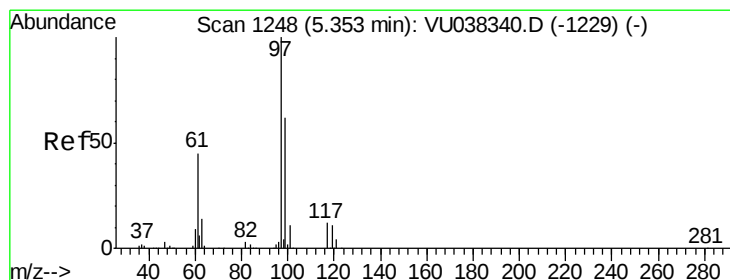
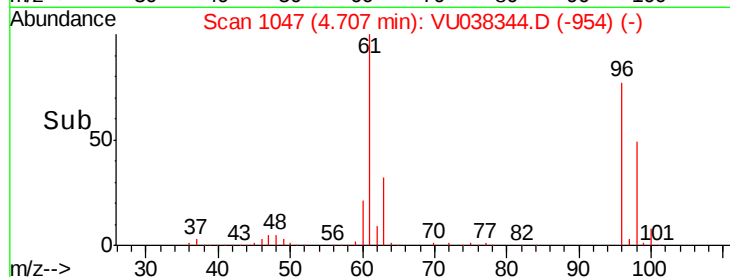
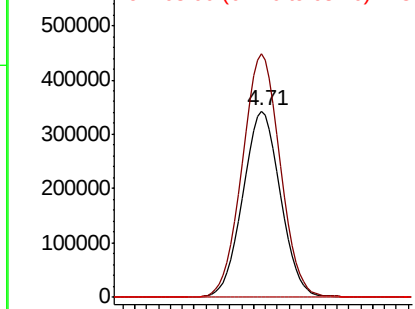
#20
 cis-1,2-Dichloroethene
 Concen: 168.396 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU038344.D
 Acq: 28 May 2020 14:23

Instrument :
 MSVOA_U
 ClientSampleId :
 ETKW8

Tot Ion: 96 Resp: 753379
 Ion Ratio Lower Upper
 96 100
 61 130.7 93.4 173.4
 68 0.0 0.0 0.0

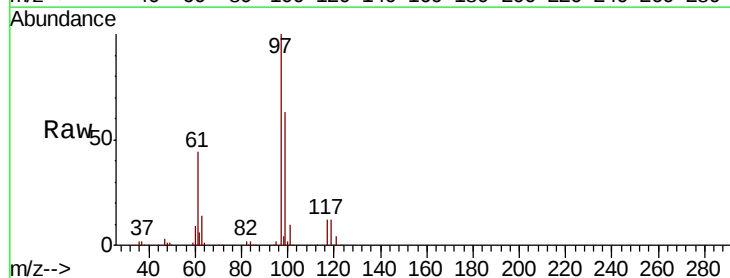


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

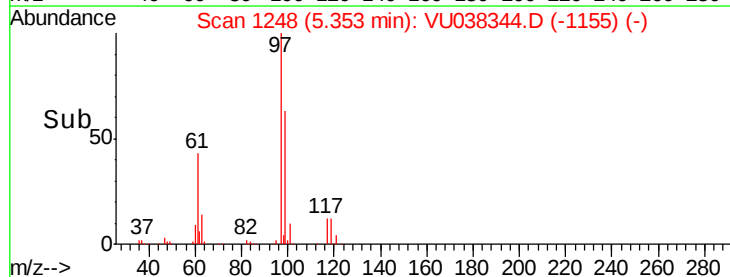
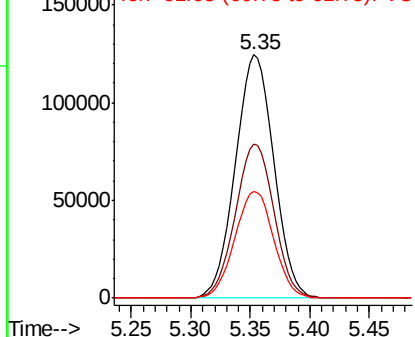


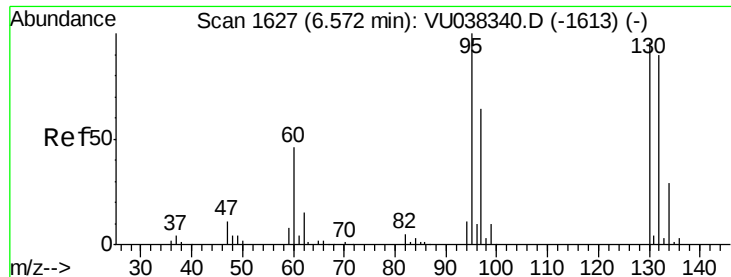
#30
 1,1,1-Trichloroethane
 Concen: 42.165 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU038344.D
 Acq: 28 May 2020 14:23

Tgt Ion: 97 Resp: 279799
 Ion Ratio Lower Upper
 97 100
 99 63.5 51.2 76.8
 61 44.3 35.9 53.9



Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0





#34

Trichloroethene

Concen: 1.015 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU038344.D

Acq: 28 May 2020 14:23

Instrument :

MSVOA_U

ClientSampleId :

ETKW8

Tot Ion: 95 Resp: 4451

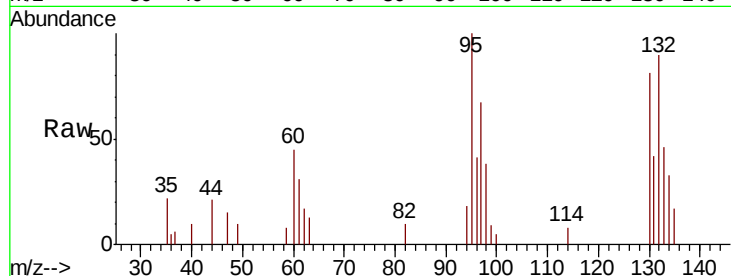
Ion Ratio Lower Upper

95 100

97 66.7 44.3 82.3

132 90.1 64.7 120.1

130 81.2 68.5 127.1

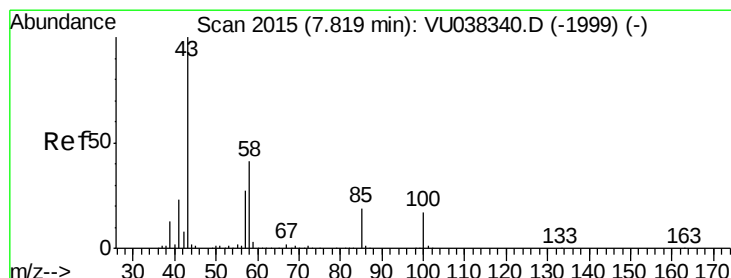
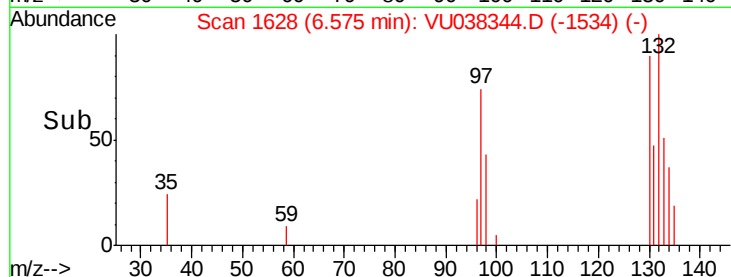
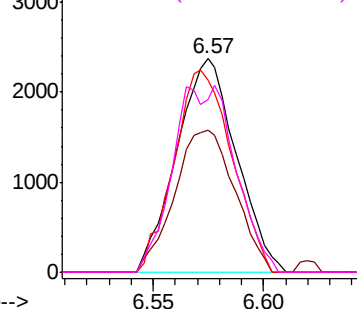


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#40

4-Methyl-2-pentanone

Concen: 2.106 ug/L

RT: 7.82 min Scan# 2015

Delta R.T. -0.00 min

Lab File: VU038344.D

Acq: 28 May 2020 14:23

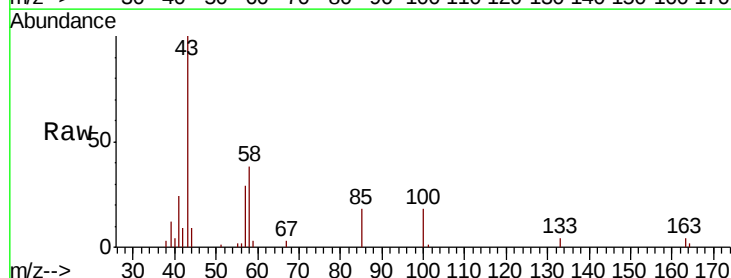
Tgt Ion: 43 Resp: 14886

Ion Ratio Lower Upper

43 100

58 37.3 32.6 48.8

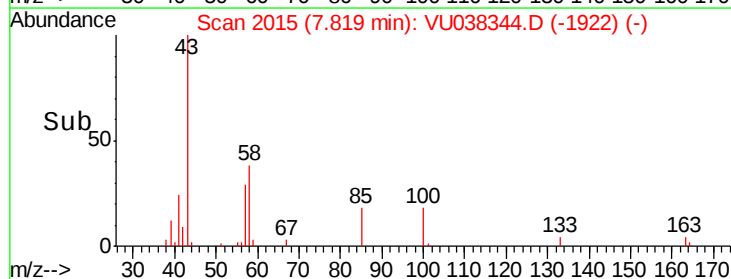
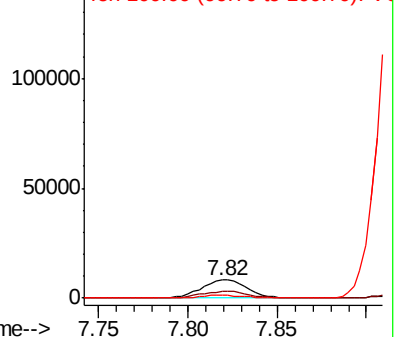
100 15.4 12.9 19.3

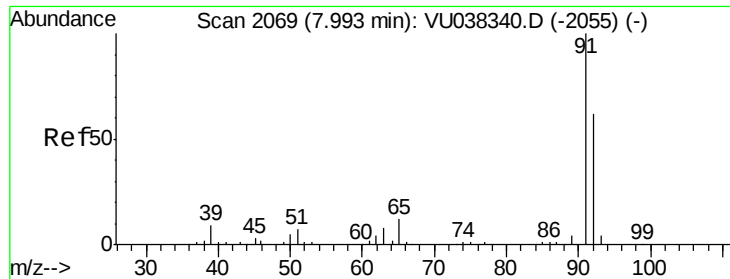


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#42

Toluene

Concen: 26.600 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU038344.D

Acq: 28 May 2020 14:23

Instrument :

MSVOA_U

ClientSampleId :

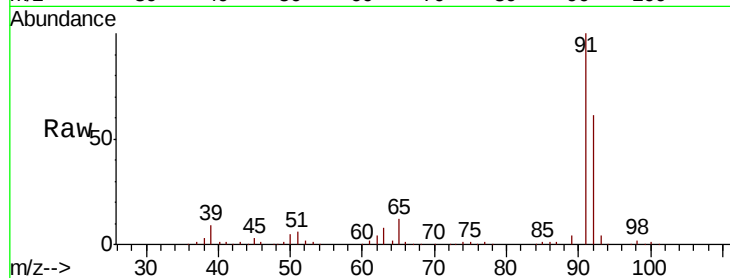
ETKW8

Tot Ion: 91 Resp: 478627

Ion Ratio Lower Upper

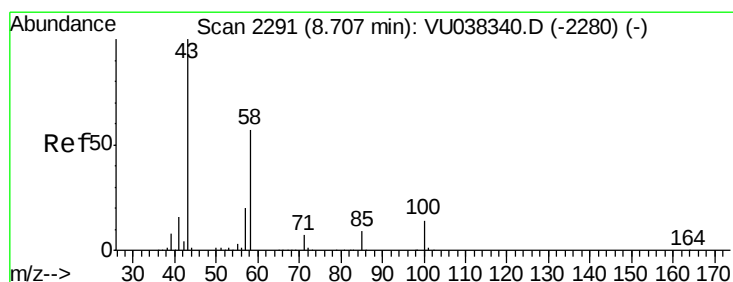
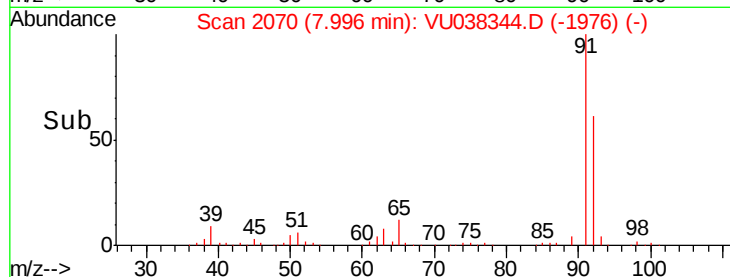
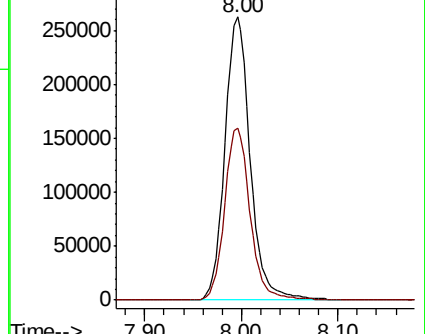
91 100

92 60.9 42.0 78.0



Abundance Ion 91.00 (90.70 to 91.70): VU038344.D (-1976) (-)

Ion 92.00 (91.70 to 92.70): VU038344.D (-1976) (-)



#48

2-Hexanone

Concen: 3.003 ug/L

RT: 8.71 min Scan# 2291

Delta R.T. -0.00 min

Lab File: VU038344.D

Acq: 28 May 2020 14:23

Tgt Ion: 43 Resp: 17925

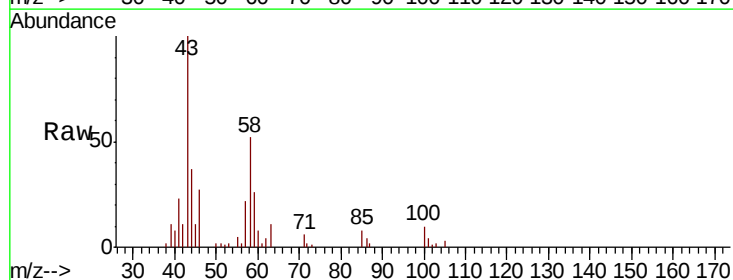
Ion Ratio Lower Upper

43 100

58 50.1 45.5 68.3

57 24.7 16.3 24.5#

100 11.9 10.5 15.7

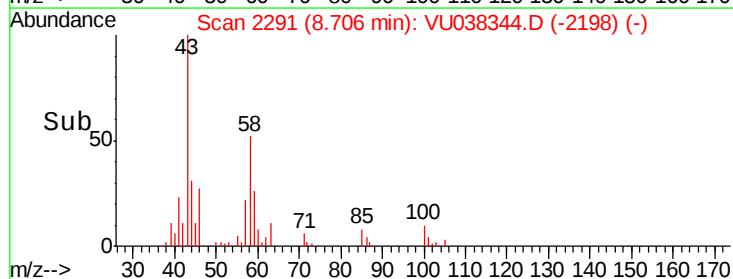
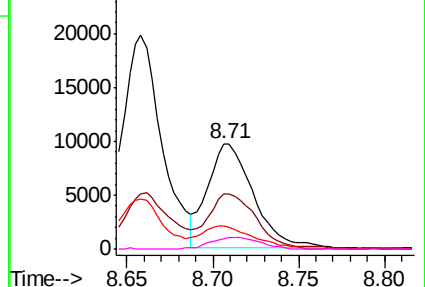


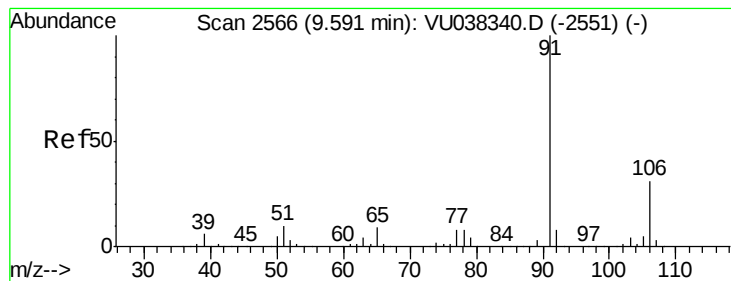
Abundance Ion 43.00 (42.70 to 43.70): VU038344.D (-2198) (-)

Ion 58.00 (57.70 to 58.70): VU038344.D (-2198) (-)

Ion 57.00 (56.70 to 57.70): VU038344.D (-2198) (-)

Ion 100.00 (99.70 to 100.70): VU038344.D (-2198) (-)





#52

Ethylbenzene

Concen: 4.343 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VU038344.D

Acq: 28 May 2020 14:23

Instrument :

MSVOA_U

ClientSampleId :

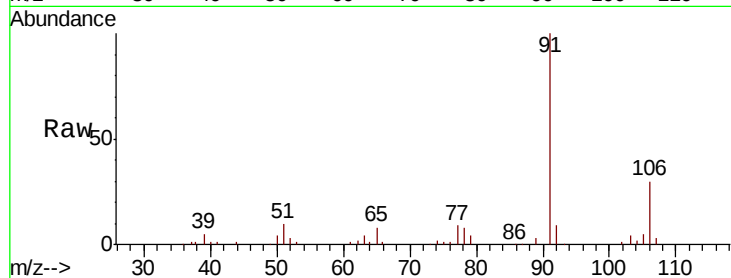
ETKW8

Tot Ion: 91 Resp: 87561

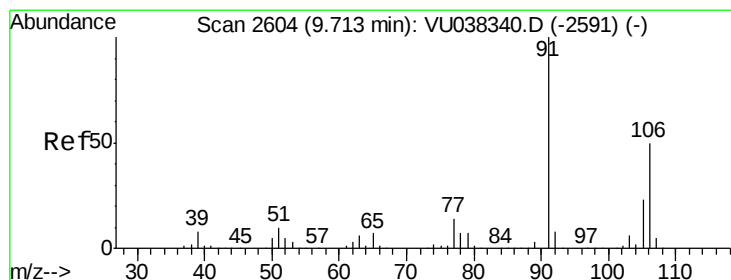
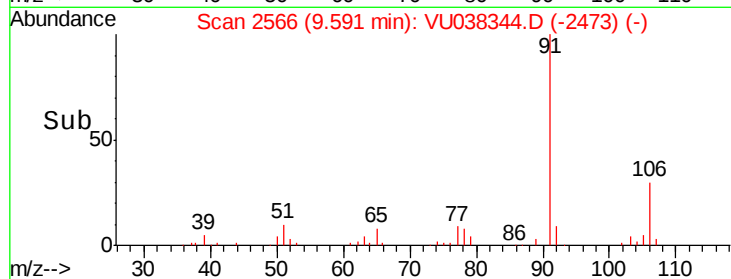
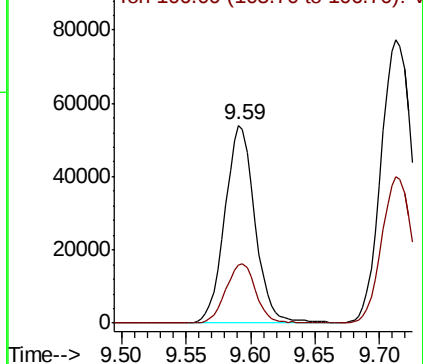
Ion Ratio Lower Upper

91 100

106 29.5 21.2 39.4



Abundance Ion 91.00 (90.70 to 91.70): VU038344.D (-2551) (-)



#53

m,p-Xylene

Concen: 8.873 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU038344.D

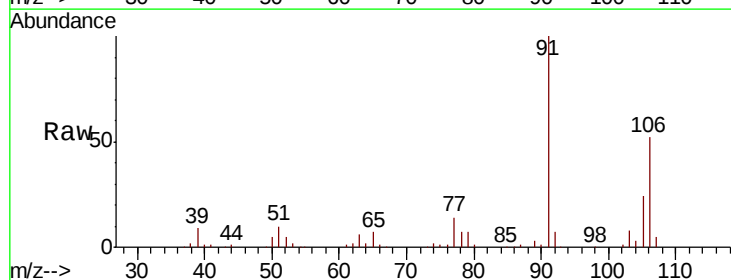
Acq: 28 May 2020 14:23

Tgt Ion: 106 Resp: 68409

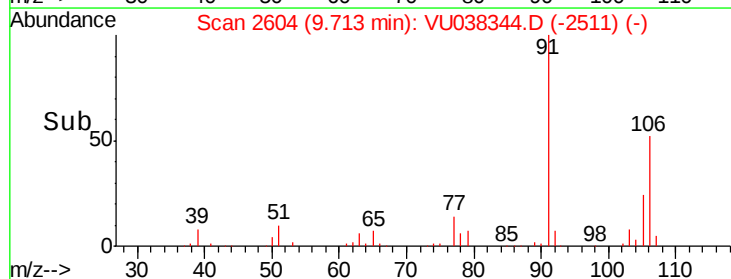
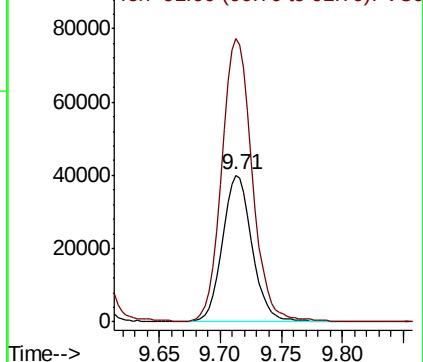
Ion Ratio Lower Upper

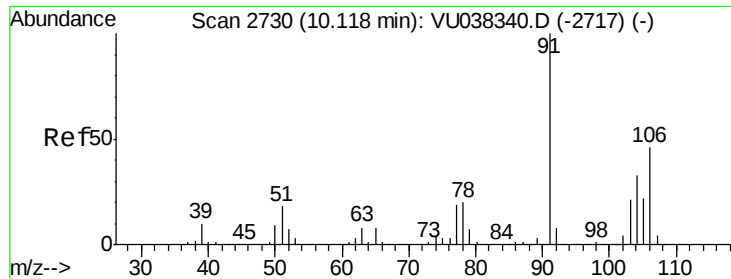
106 100

91 192.9 140.8 261.4



Abundance Ion 106.00 (105.70 to 106.70): VU038344.D (-2591) (-)

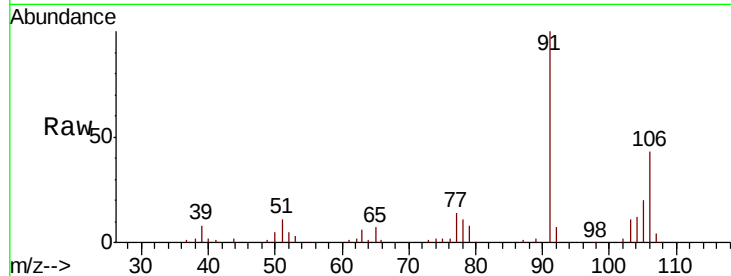




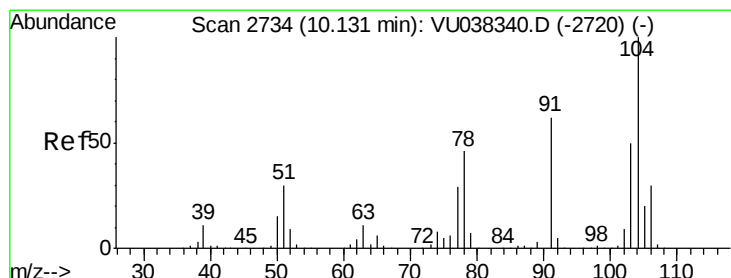
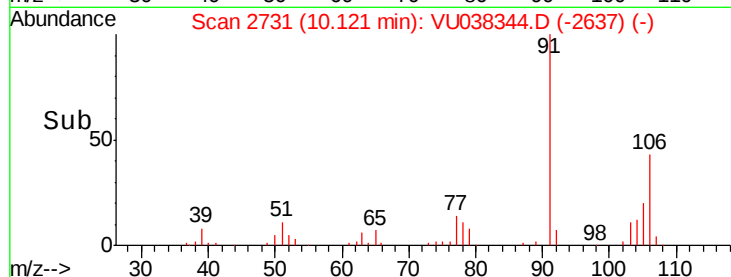
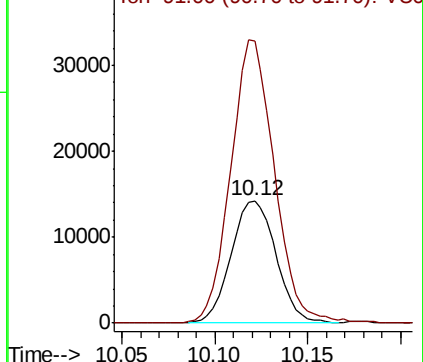
#54
o-xylene
Concen: 3.200 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. 0.00 min
Lab File: VU038344.D
Acq: 28 May 2020 14:23

Instrument :
MSVOA_U
ClientSampleId :
ETKW8

Tot Ion:106 Resp: 23988
Ion Ratio Lower Upper
106 100
91 230.3 151.3 280.9

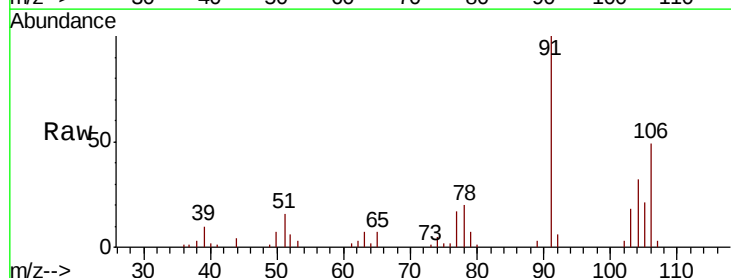


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

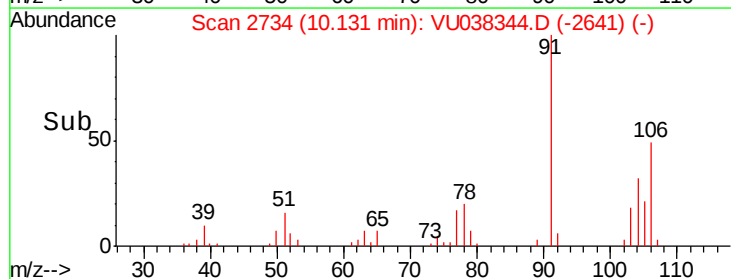
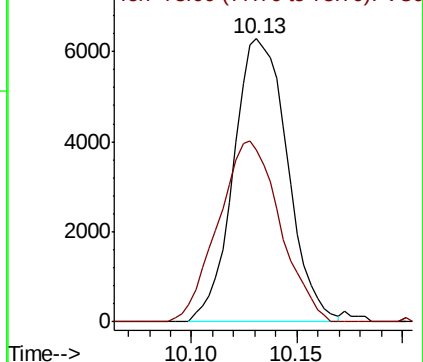


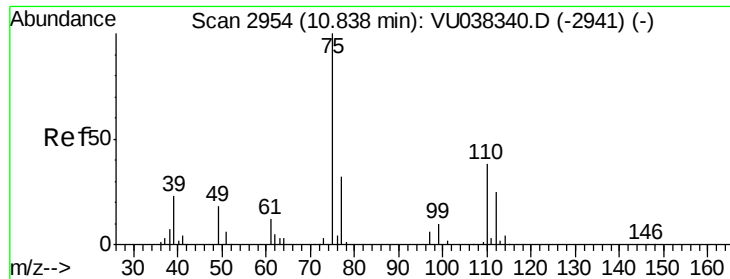
#55
Styrene
Concen: 0.868 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU038344.D
Acq: 28 May 2020 14:23

Tgt Ion:104 Resp: 11179
Ion Ratio Lower Upper
104 100
78 60.7 32.1 59.7#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





#59

1,2,3-Trichloropropane

Concen: 5.961 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. 0.99 min

Lab File: VU038344.D

Acq: 28 May 2020 14:23

Instrument :

MSVOA_U

ClientSampleId :

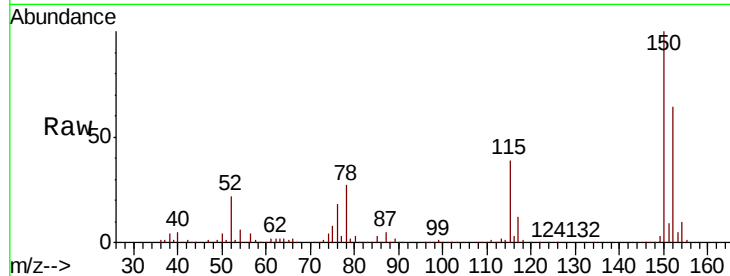
ETKW8

Tot Ion: 75 Resp: 37050

Ion Ratio Lower Upper

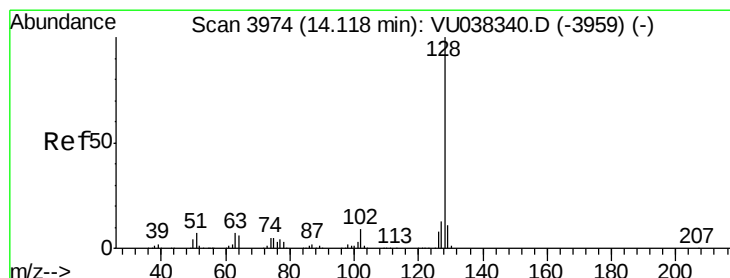
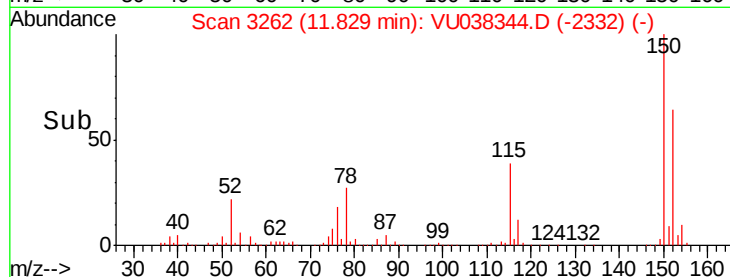
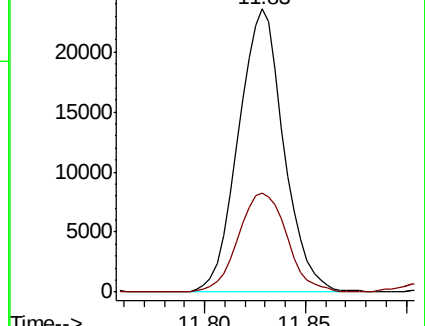
75 100

77 37.6 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VU038340.D (-2941) (-)

Ion 77.00 (76.70 to 77.70): VU038340.D (-2941) (-)



#69

Naphthalene

Concen: 40.499 ug/L

RT: 14.12 min Scan# 3976

Delta R.T. 0.01 min

Lab File: VU038344.D

Acq: 28 May 2020 14:23

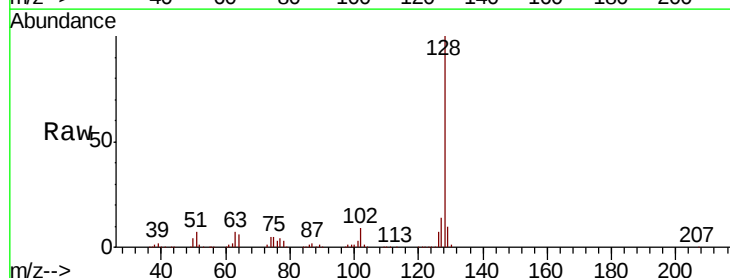
Tgt Ion: 128 Resp: 845720

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

129 10.6 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): VU038340.D (-3959) (-)

Ion 127.00 (126.70 to 127.70): VU038340.D (-3959) (-)

Ion 129.00 (128.70 to 129.70): VU038340.D (-3959) (-)

