

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053020\
 Data File : VU038401.D
 Acq On : 30 May 2020 01:01
 Operator : JC/MD
 Sample : L2766-09DL 200X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 30 02:22:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat May 30 00:03:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	289706	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	279947	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	134343	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	88090	3.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.40%
7) Chloroethane-d5	1.93	69	83525	3.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.80%
11) 1,1-Dichloroethene-d2	2.59	63	135690	3.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.20%
20) 2-Butanone-d5	4.67	46	357126	54.62	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.24%
24) Chloroform-d	5.10	84	200469	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	5.74	65	120487	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.60%
32) Benzene-d6	5.76	84	409922	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
36) 1,2-Dichloropropane-d6	6.72	67	128299	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.80%
41) Toluene-d8	7.92	98	340226	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
43) trans-1,3-Dichloropropene-	8.20	79	49315	4.55	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.00%
46) 2-Hexanone-d5	8.65	63	296115	57.82	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.64%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	109348	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	134566	5.15	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.00%

Target Compounds

					Ovalue
5) Vinyl chloride	1.62	62	3759	0.120 ug/L #	1
8) Chloroethane	1.95	64	4130	0.215 ug/L	88
16) Methylene chloride	3.08	84	3005	0.128 ug/L	90
22) cis-1,2-Dichloroethene	4.71	96	30790	1.302 ug/L	95
27) 1,2-Dichloroethane	5.81	62	5291	0.187 ug/L #	73
33) Benzene	5.81	78	607066	6.772 ug/L	100
35) Methylcyclohexane	6.72	83	30903	0.851 ug/L #	16
37) 1,2-Dichloropropane	6.72	63	14310	0.588 ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	3492	0.100 ug/L #	81
42) Toluene	7.99	91	1020428	10.783 ug/L	97
48) 2-Hexanone	8.71	43	11587	0.937 ug/L	93
51) Chlorobenzene	9.47	112	29305	0.499 ug/L	95
52) Ethylbenzene	9.59	91	118996	1.161 ug/L	99
53) m,p-Xylene	9.71	106	94335	2.400 ug/L	99
54) o-Xylene	10.12	106	23171	0.610 ug/L	89
56) Isopropylbenzene	10.50	105	19371	0.198 ug/L	96
59) 1,2,3-Trichloropropane	11.82	75	18174	1.112 ug/L	97

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QLast Update : Sat May 30 00:03:10 2020
Response via : Initial Calibration

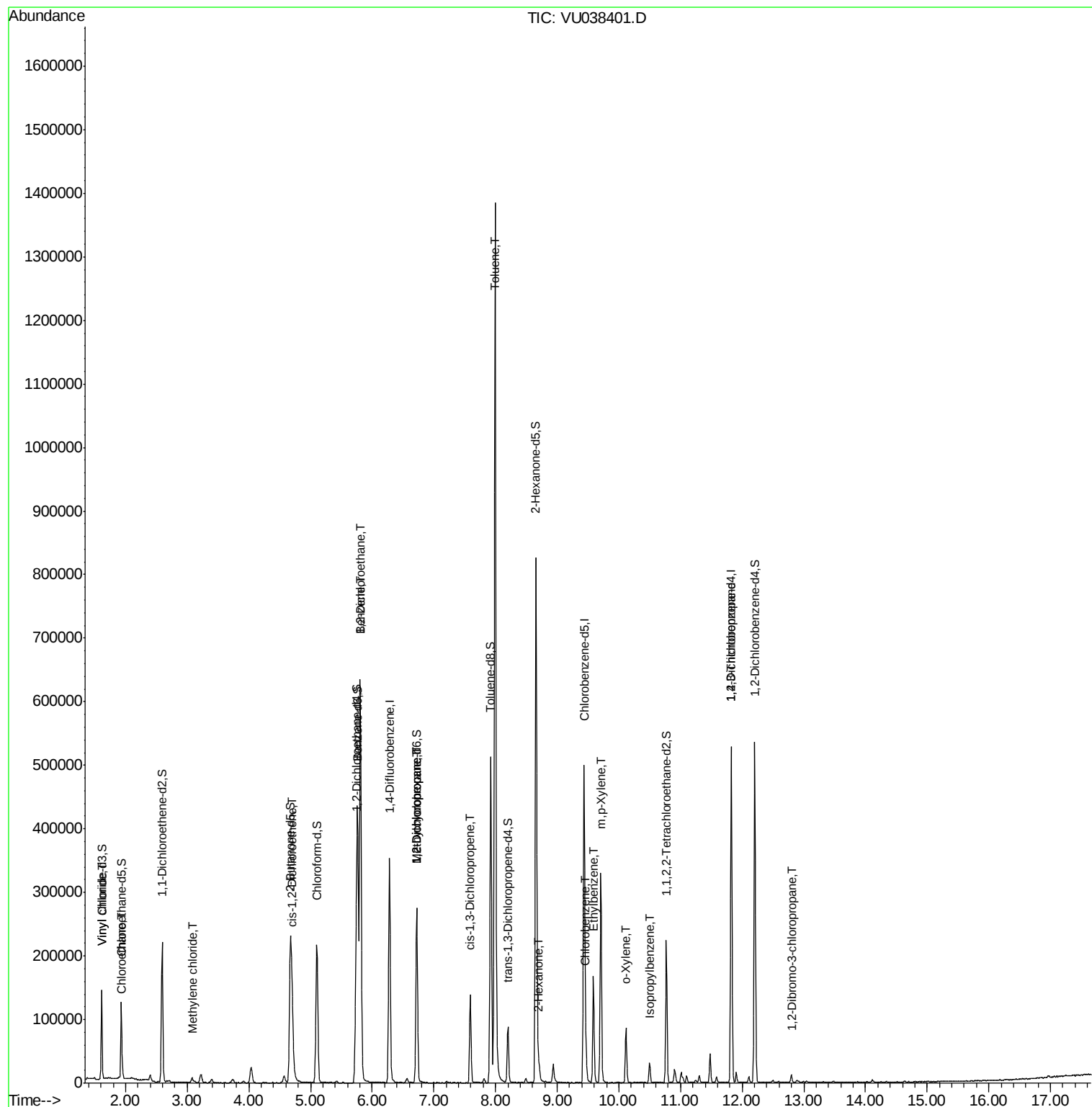
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 1,2-Dibromo-3-chloropropan	12.80	75	427	0.124	ug/L #	8

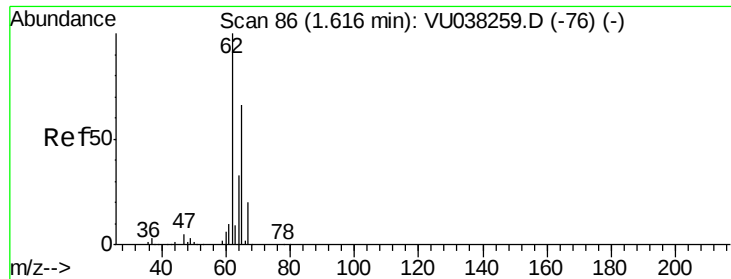
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.120 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038401.D

Acq: 30 May 2020 01:01

Instrument :

MSVOA_U

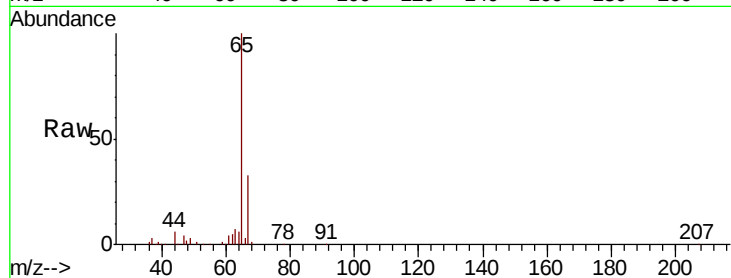
ClientSampled :

Tot Ion: 62 Resp: 3759

Ion Ratio Lower Upper

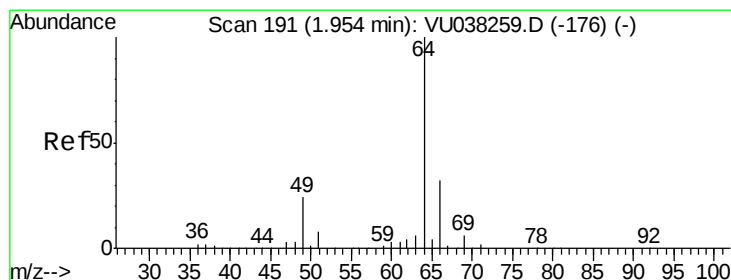
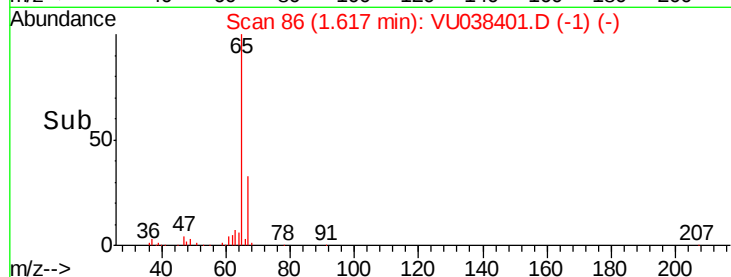
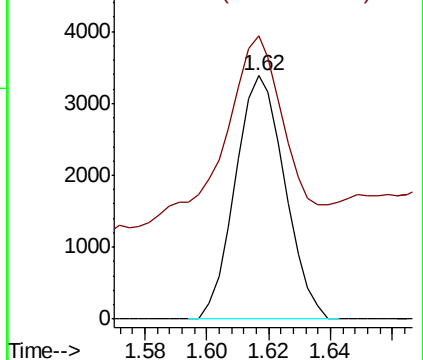
62 100

64 116.3 22.8 42.4#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#8

Chloroethane

Concen: 0.215 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU038401.D

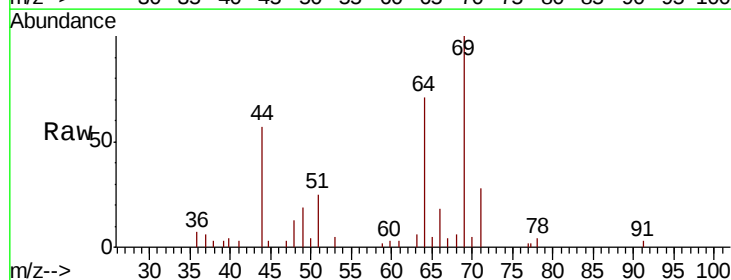
Acq: 30 May 2020 01:01

Tgt Ion: 64 Resp: 4130

Ion Ratio Lower Upper

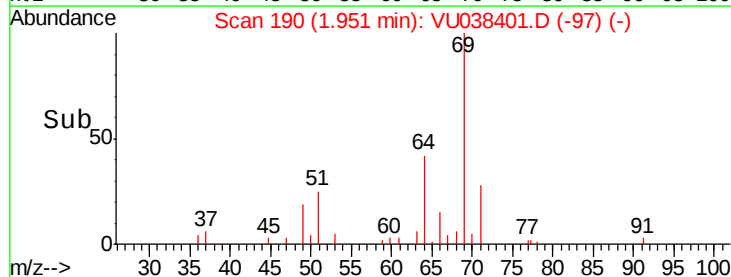
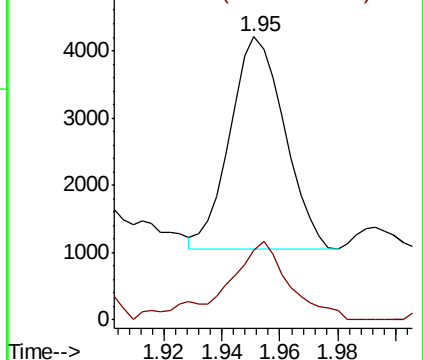
64 100

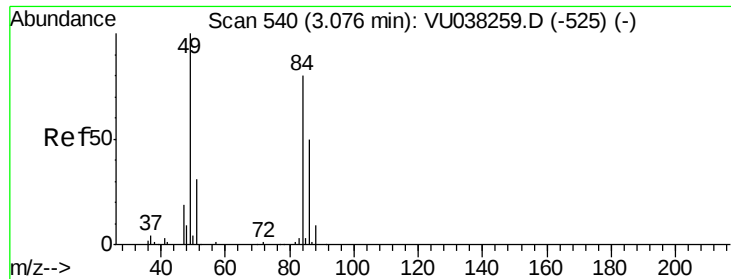
66 24.6 21.8 40.4



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

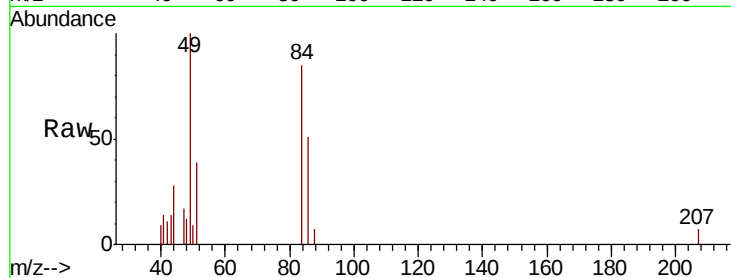




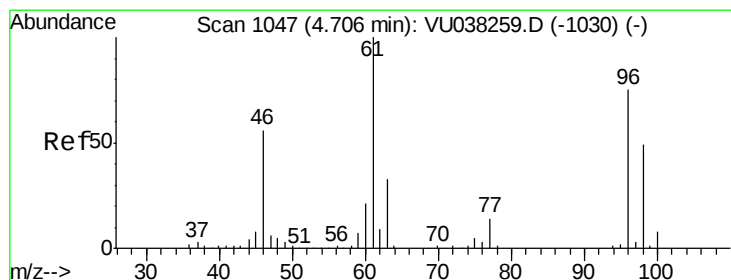
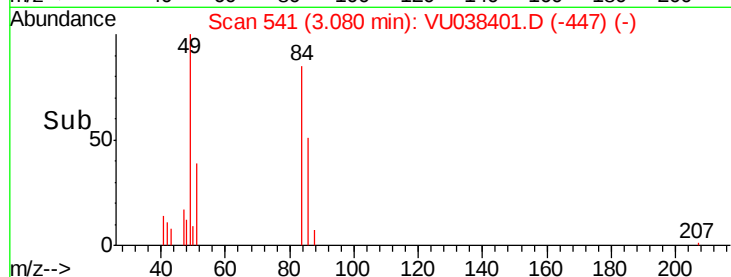
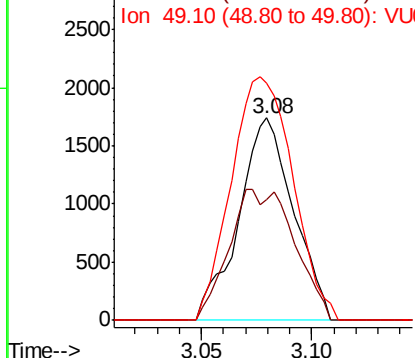
#16
Methylene chloride
Concen: 0.128 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU038401.D
Acq: 30 May 2020 01:01

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 84 Resp: 3005
Ion Ratio Lower Upper
84 100
86 59.6 44.9 83.3
49 117.5 92.0 170.9

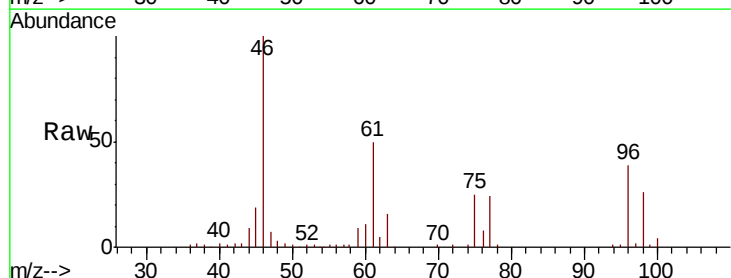


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

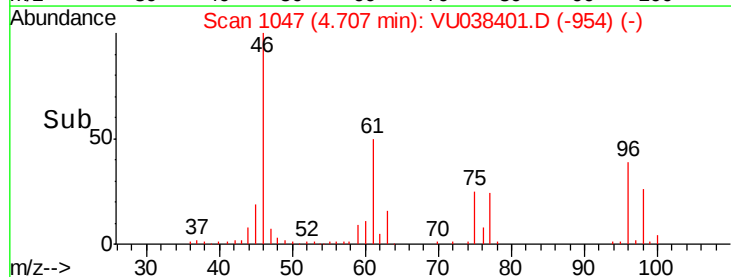
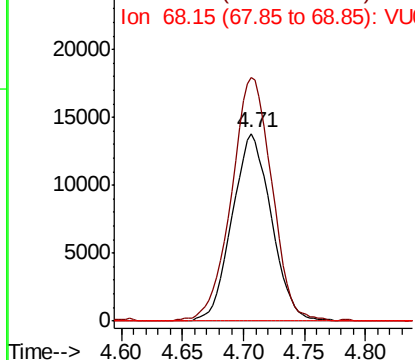


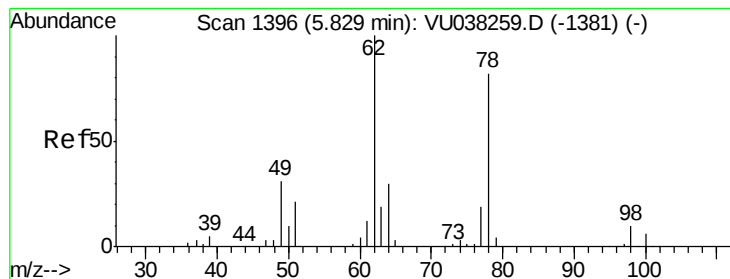
#22
cis-1,2-Dichloroethene
Concen: 1.302 ug/L
RT: 4.71 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU038401.D
Acq: 30 May 2020 01:01

Tgt Ion: 96 Resp: 30790
Ion Ratio Lower Upper
96 100
61 129.6 95.3 176.9
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: 0.187 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. -0.02 min

Lab File: VU038401.D

Acq: 30 May 2020 01:01

Instrument :

MSVOA_U

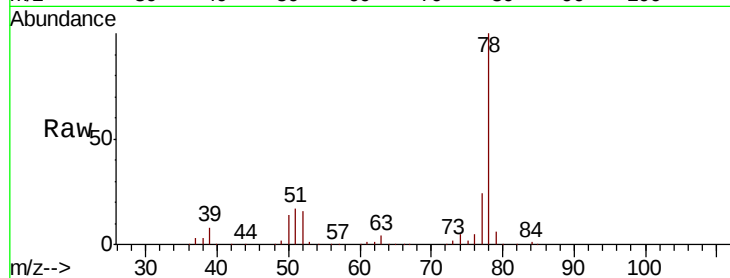
ClientSampleId :

Tot Ion: 62 Resp: 5291

Ion Ratio Lower Upper

62 100

98 0.0 7.8 11.8#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0

3000

2500

2000

1500

1000

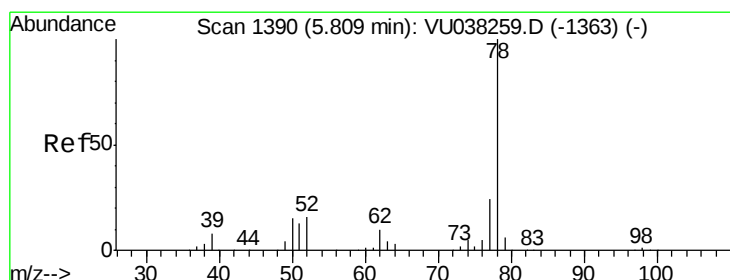
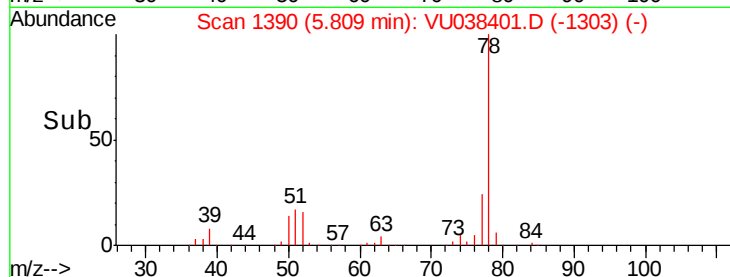
500

0

5.81

5.85

Time-->



#33

Benzene

Concen: 6.772 ug/L

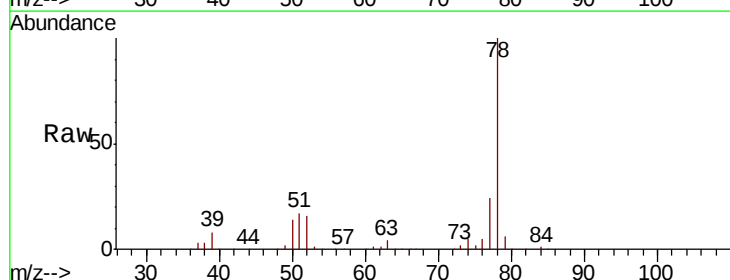
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU038401.D

Acq: 30 May 2020 01:01

Tgt Ion: 78 Resp: 607066



Abundance Ion 78.10 (77.80 to 78.80): VU0

300000

200000

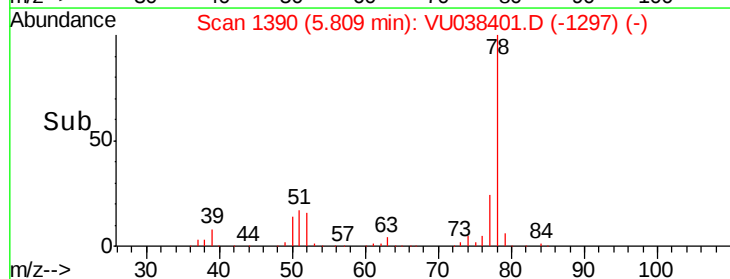
100000

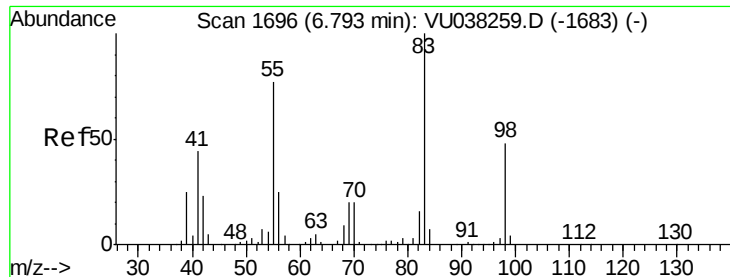
0

5.81

5.90

Time-->

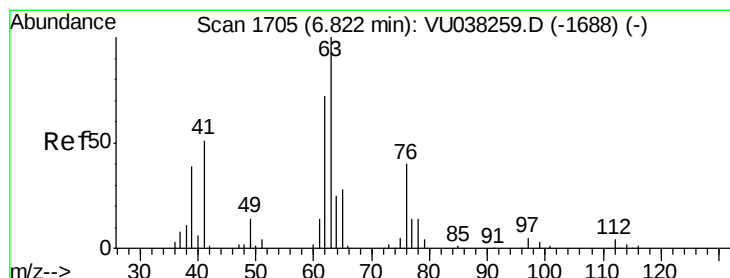
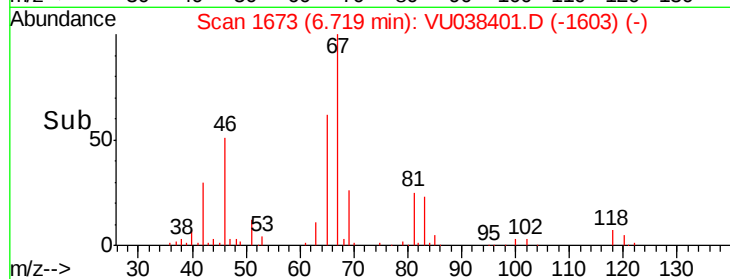
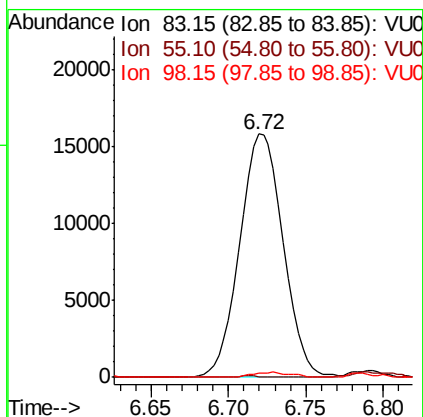
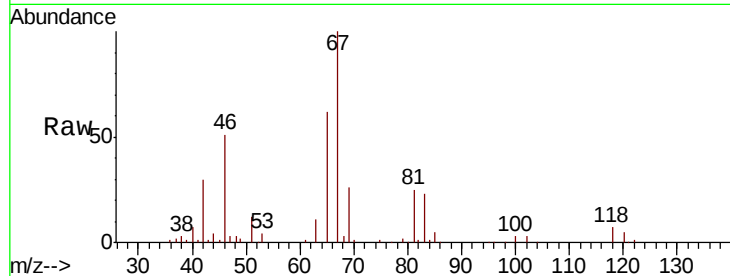




#35
Methvlcvclohexane
Concen: 0.851 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.07 min
Lab File: VU038401.D
Acq: 30 May 2020 01:01

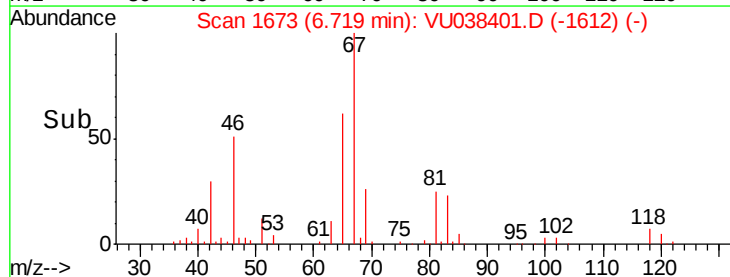
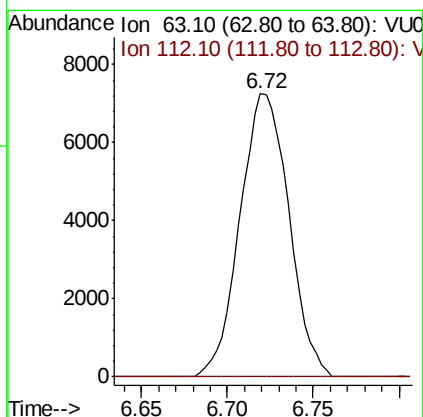
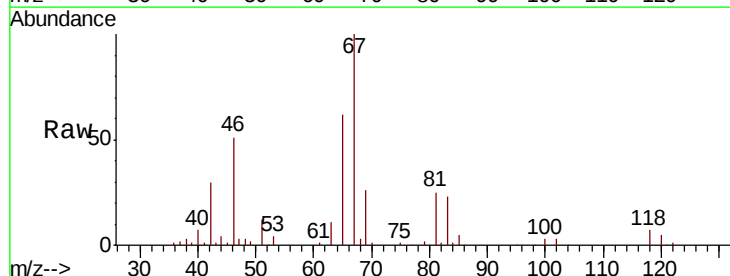
Instrument :
MSVOA_U
ClientSampled :

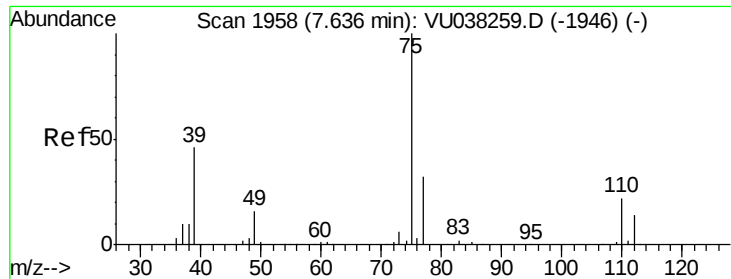
Tot Ion: 83 Resp: 30903
Ion Ratio Lower Upper
83 100
55 0.2 66.7 100.1#
98 1.7 39.4 59.2#



#37
1,2-Dichloropropane
Concen: 0.588 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.10 min
Lab File: VU038401.D
Acq: 30 May 2020 01:01

Tgt Ion: 63 Resp: 14310
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#

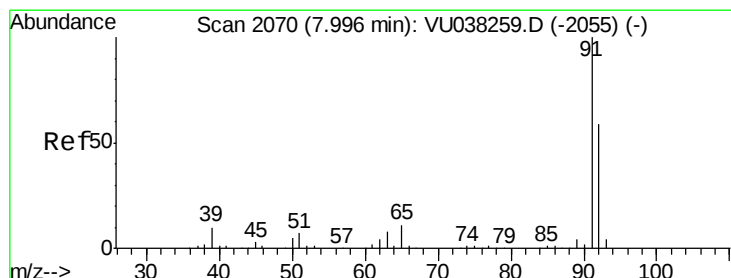
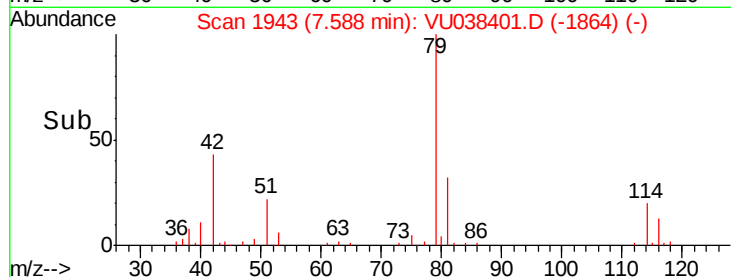
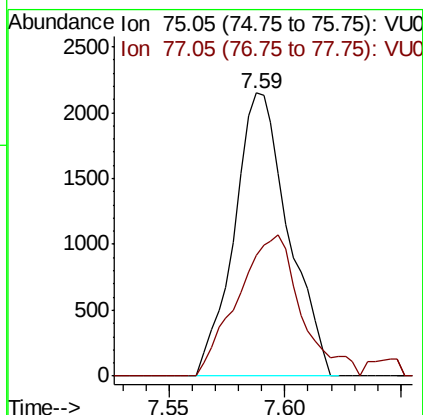
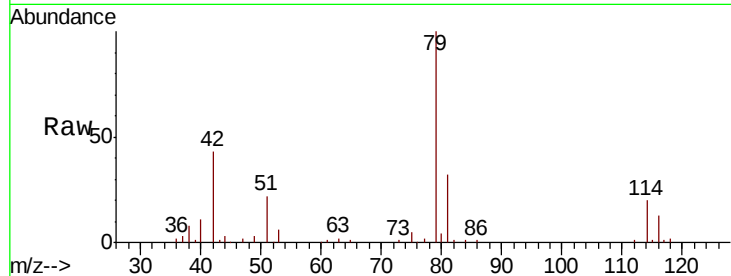




#39
 cis-1,3-Dichloropropene
 Concen: 0.100 ug/L
 RT: 7.59 min Scan# 1943
 Delta R.T. -0.05 min
 Lab File: VU038401.D
 Acq: 30 May 2020 01:01

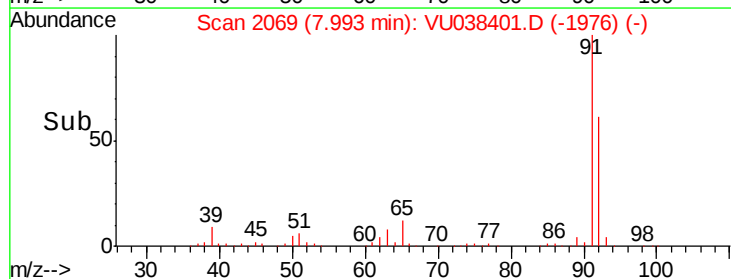
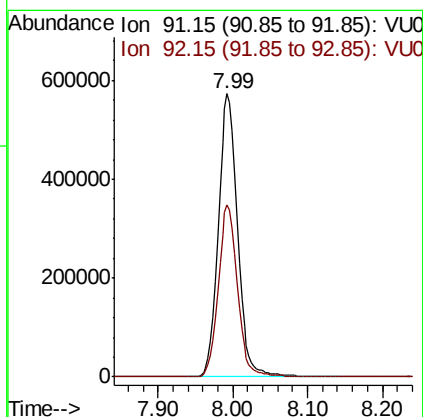
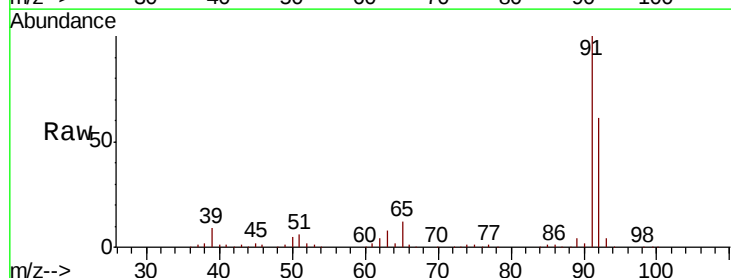
Instrument :
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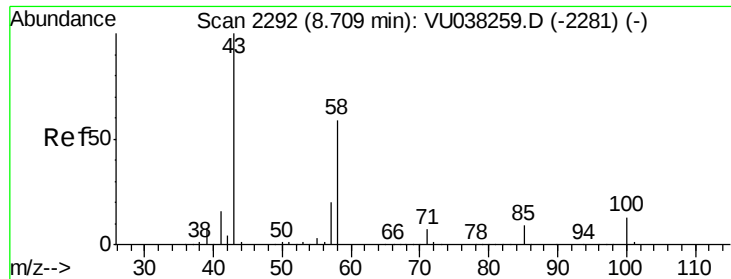
Tot Ion: 75 Resp: 3492
 Ion Ratio Lower Upper
 75 100
 77 42.6 22.4 41.6#



#42
 Toluene
 Concen: 10.783 ug/L
 RT: 7.99 min Scan# 2069
 Delta R.T. -0.00 min
 Lab File: VU038401.D
 Acq: 30 May 2020 01:01

Tgt Ion: 91 Resp: 1020428
 Ion Ratio Lower Upper
 91 100
 92 60.9 40.9 75.9

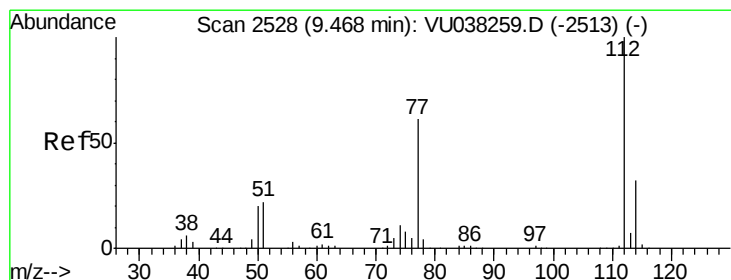
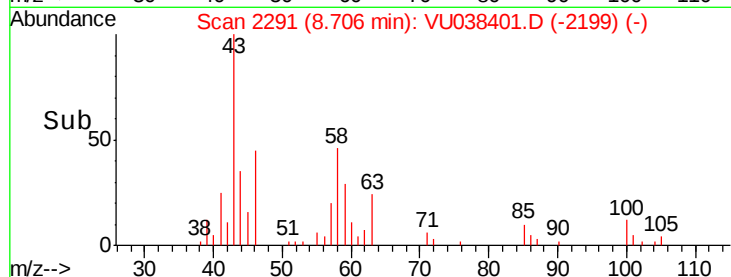
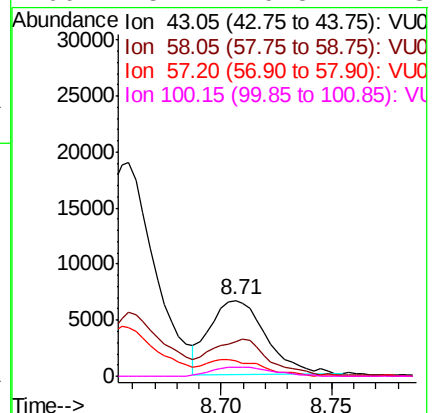
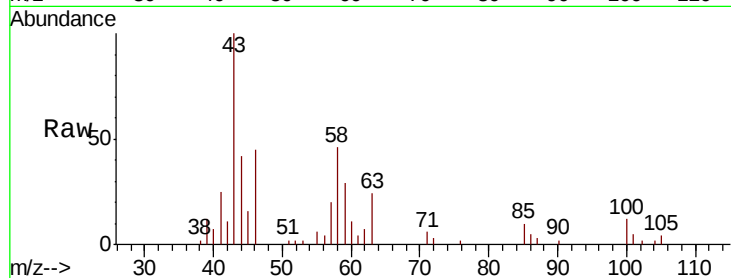




#48
2-Hexanone
Concen: 0.937 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038401.D
Acq: 30 May 2020 01:01

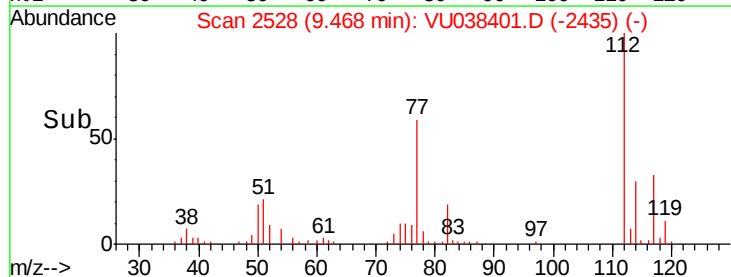
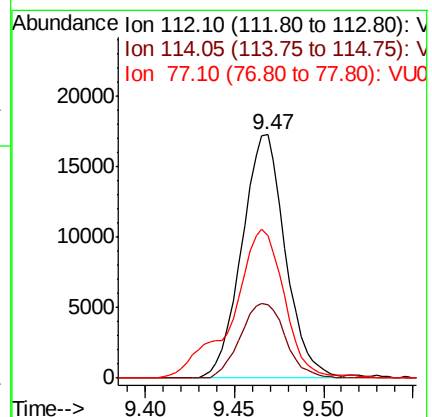
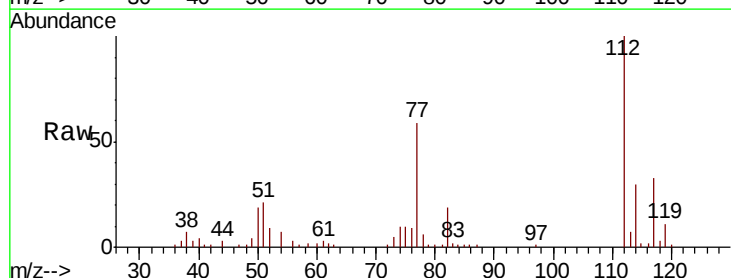
Instrument :
MSVOA_U
ClientSampled :

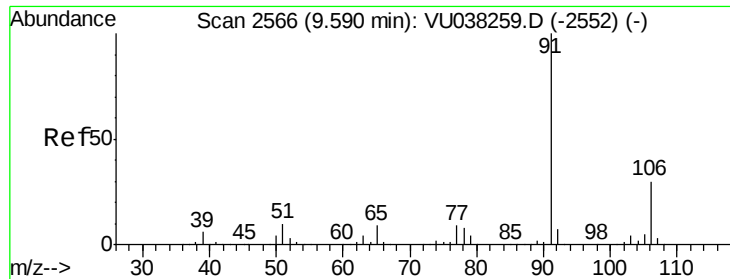
Tot Ion:	43	Resp:	11587
Ion	Ratio	Lower	Upper
43	100		
58	50.7	45.2	67.8
57	23.2	15.5	23.3
100	13.4	9.5	14.3



#51
Chlorobenzene
Concen: 0.499 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. -0.00 min
Lab File: VU038401.D
Acq: 30 May 2020 01:01

Tgt Ion:	112	Resp:	29305
Ion	Ratio	Lower	Upper
112	100		
114	30.0	22.5	41.7
77	58.5	49.9	74.9





#52

Ethylbenzene

Concen: 1.161 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038401.D

Acq: 30 May 2020 01:01

Instrument :

MSVOA_U

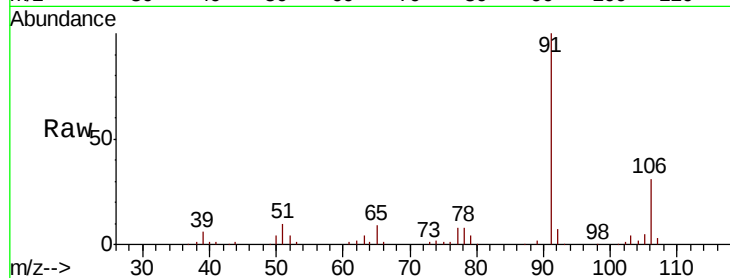
ClientSampleId :

Tot Ion: 91 Resp: 118996

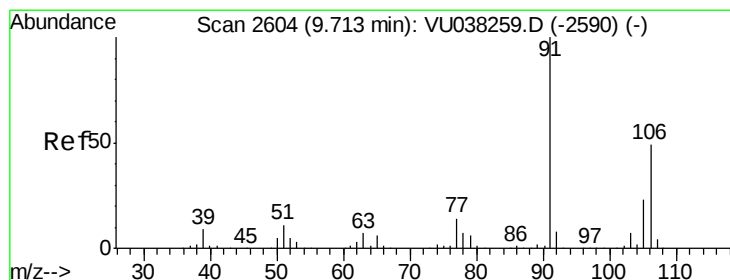
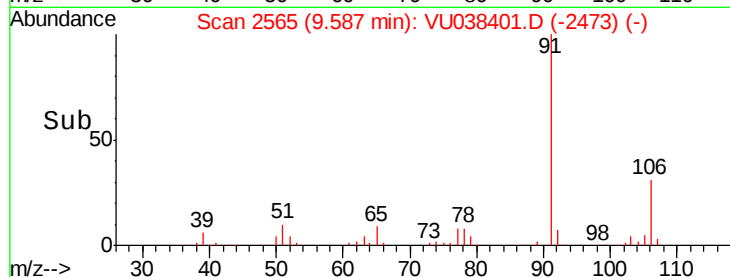
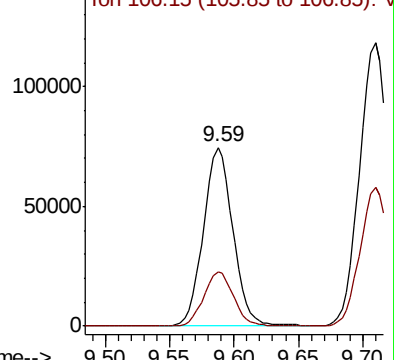
Ion Ratio Lower Upper

91 100

106 30.7 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU038401.D (-2552) (-)



#53

m,p-Xylene

Concen: 2.400 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038401.D

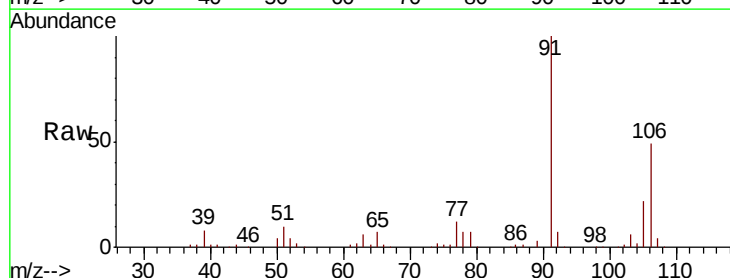
Acq: 30 May 2020 01:01

Tgt Ion:106 Resp: 94335

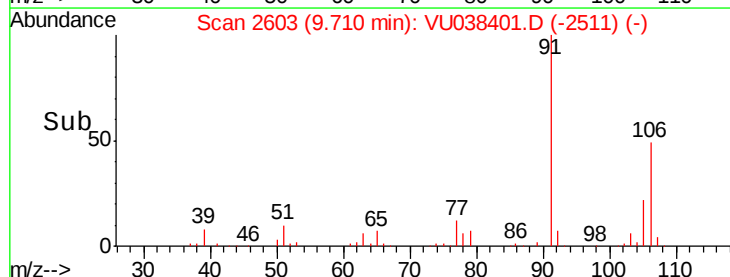
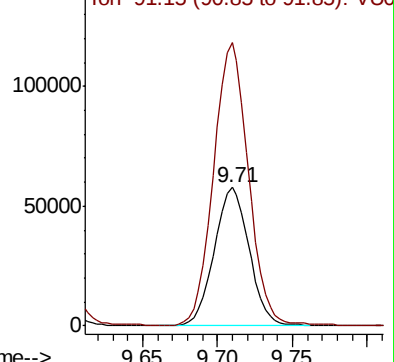
Ion Ratio Lower Upper

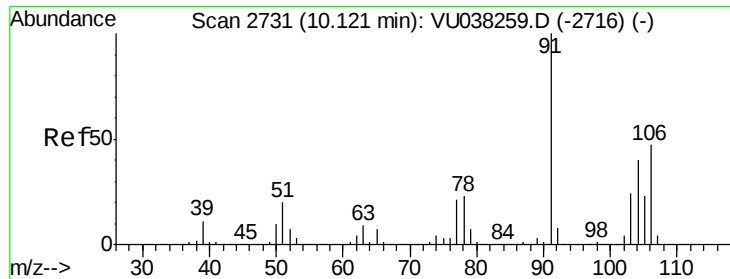
106 100

91 204.8 142.1 263.9



Abundance Ion 106.15 (105.85 to 106.85): VU038401.D (-2590) (-)

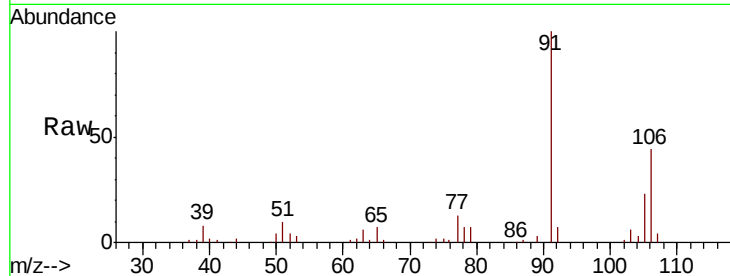




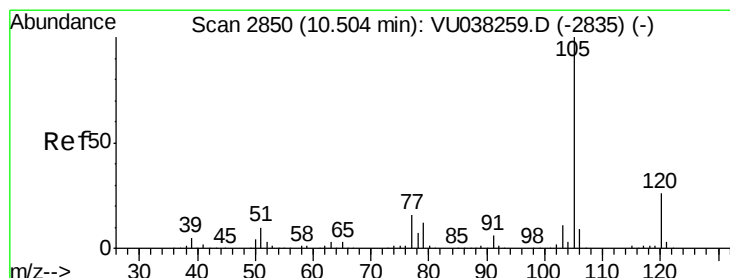
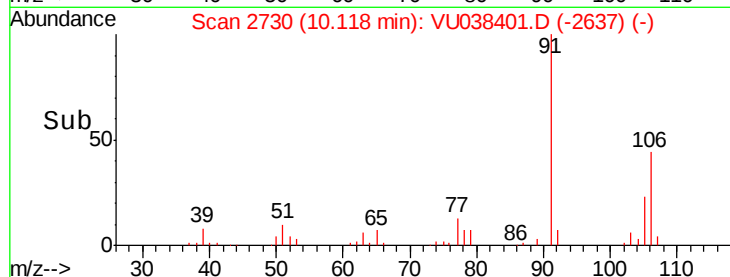
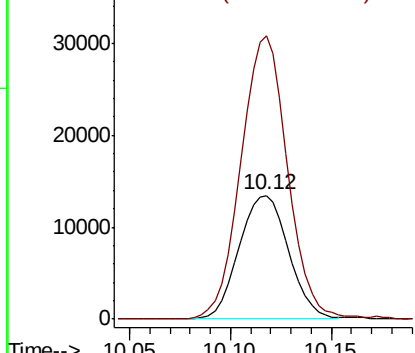
#54
o-Xylene
Concen: 0.610 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU038401.D
Acq: 30 May 2020 01:01

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 23171
Ion Ratio Lower Upper
106 100
91 228.8 148.5 275.9

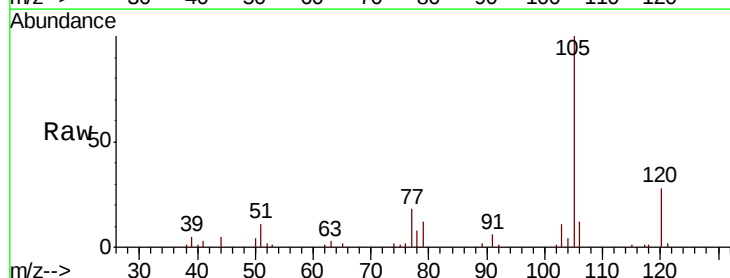


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

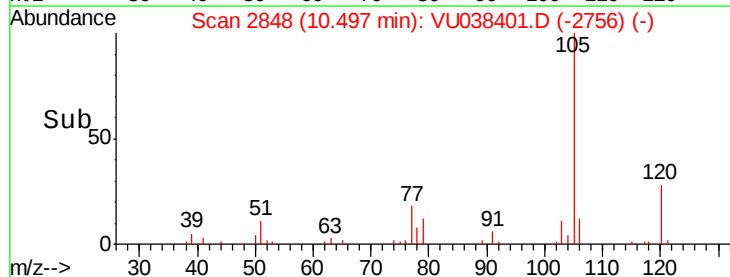
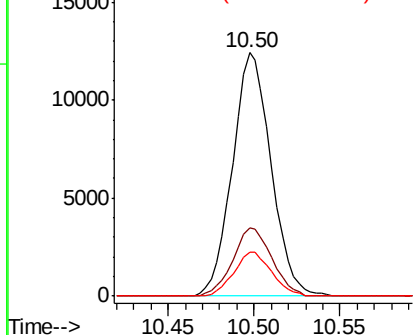


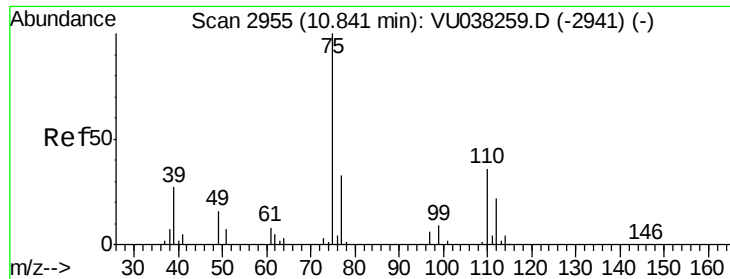
#56
Isopropylbenzene
Concen: 0.198 ug/L
RT: 10.50 min Scan# 2848
Delta R.T. -0.00 min
Lab File: VU038401.D
Acq: 30 May 2020 01:01

Tgt Ion:105 Resp: 19371
Ion Ratio Lower Upper
105 100
120 28.3 21.0 31.6
77 17.6 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): VU0

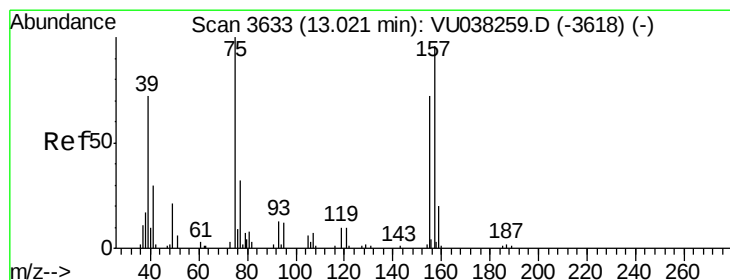
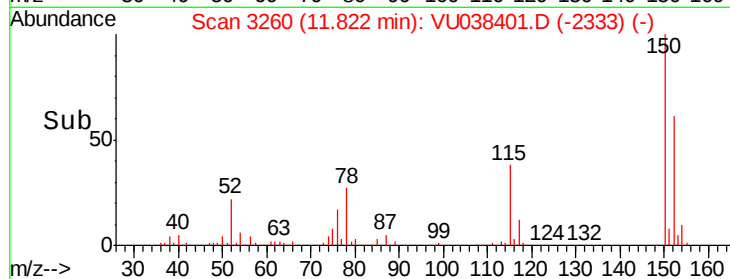
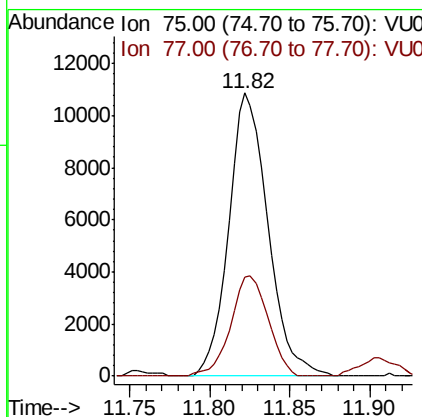
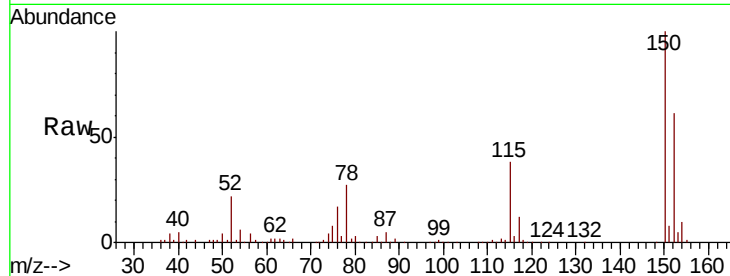




#59
 1,2,3-Trichloropropane
 Concen: 1.112 ug/L
 RT: 11.82 min Scan# 3260
 Delta R.T. 0.98 min
 Lab File: VU038401.D
 Acq: 30 May 2020 01:01

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 18174
 Ion Ratio Lower Upper
 75 100
 77 33.6 25.4 38.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.124 ug/L
 RT: 12.80 min Scan# 3564
 Delta R.T. -0.22 min
 Lab File: VU038401.D
 Acq: 30 May 2020 01:01

Tgt Ion: 75 Resp: 427
 Ion Ratio Lower Upper
 75 100
 155 0.0 58.2 87.2#
 157 0.0 72.9 109.3#

