

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053120\
 Data File : VU038418.D
 Acq On : 30 May 2020 17:10
 Operator : JC/MD
 Sample : L2766-09DL 200X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BE4Z2DL

Quant Time: Jun 01 03:48:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 01 02:37:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	319687	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	312593	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	149457	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	107562	5.20	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.00%
7) Chloroethane-d5	1.93	69	89328	5.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	112.40%
11) 1,1-Dichloroethene-d2	2.59	63	157871	3.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.60%
20) 2-Butanone-d5	4.68	46	384921	61.24	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.48%
24) Chloroform-d	5.10	84	211792	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.00%
26) 1,2-Dichloroethane-d4	5.74	65	127705	5.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.80%
32) Benzene-d6	5.76	84	428816	5.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.80%
36) 1,2-Dichloropropane-d6	6.72	67	133723	5.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.40%
41) Toluene-d8	7.92	98	366601	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.80%
43) trans-1,3-Dichloropropene-	8.20	79	54858	5.31	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.20%
46) 2-Hexanone-d5	8.65	63	335755	65.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	131.76%#
57) 1,1,2,2-Tetrachloroethane-	10.77	84	114867	5.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	149505	5.80	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.00%

Target Compounds

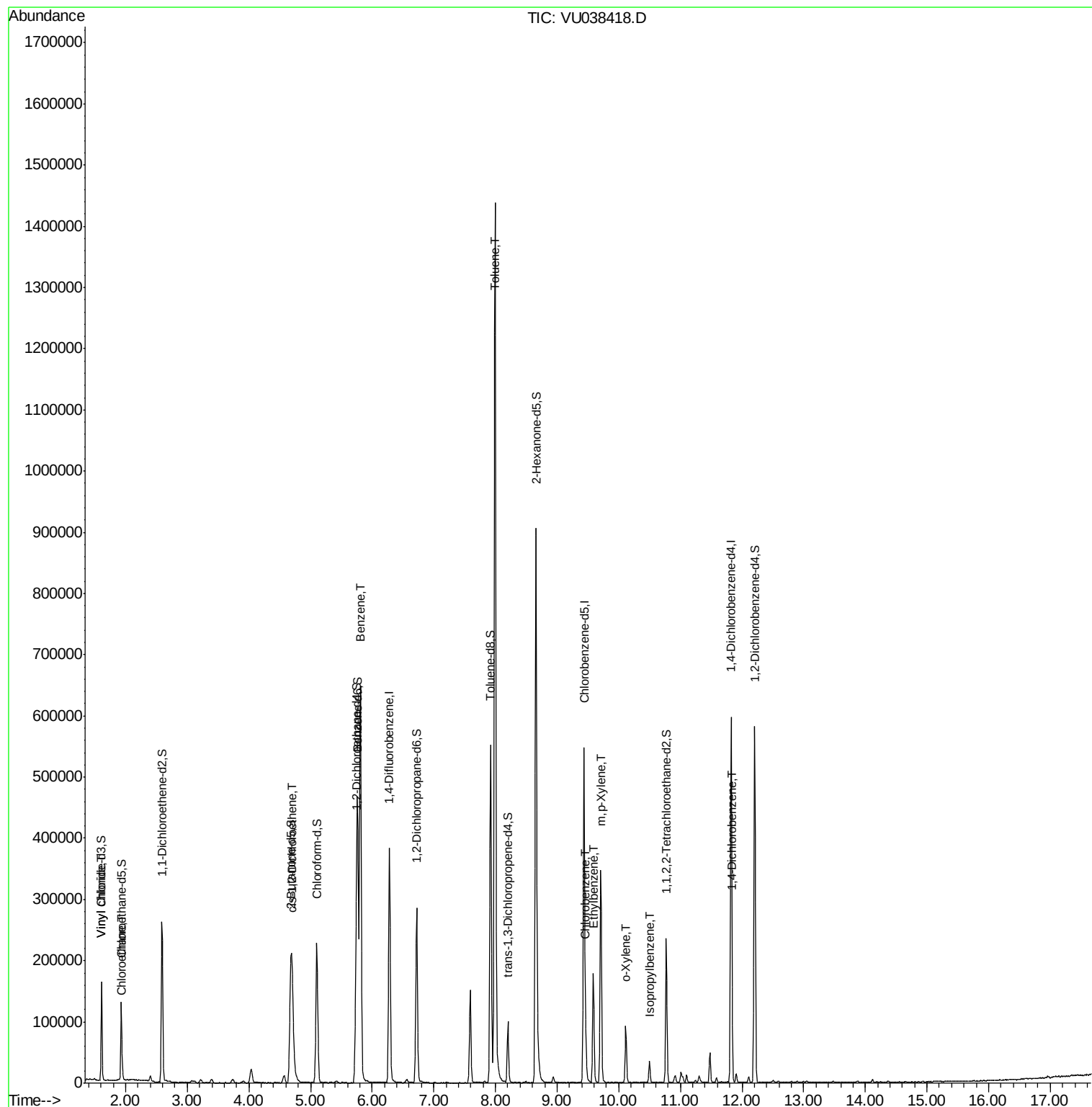
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	3943	0.159	ug/L	# 49
8) Chloroethane	1.95	64	3891	0.262	ug/L	100
22) cis-1,2-Dichloroethene	4.71	96	30236	1.323	ug/L	94
33) Benzene	5.81	78	612488	7.026	ug/L	100
42) Toluene	7.99	91	1067874	11.680	ug/L	99
51) Chlorobenzene	9.47	112	29923	0.507	ug/L	99
52) Ethylbenzene	9.59	91	127326	1.252	ug/L	99
53) m,p-Xylene	9.71	106	101477	2.594	ug/L	99
54) o-Xylene	10.12	106	25514	0.679	ug/L	91
56) Isopropylbenzene	10.50	105	22401	0.227	ug/L	95
63) 1,4-Dichlorobenzene	11.85	146	3166	0.071	ug/L	99

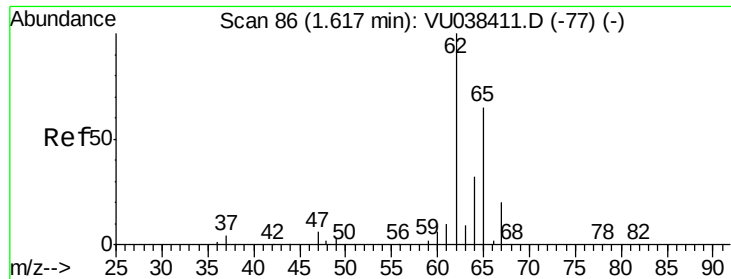
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jun 01 02:37:32 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.159 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038418.D

Acq: 30 May 2020 17:10

Instrument :

MSVOA_U

ClientSampleId :

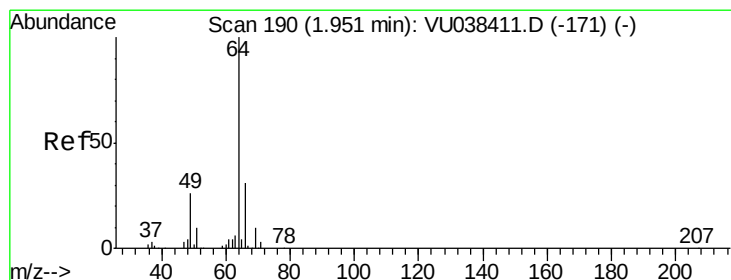
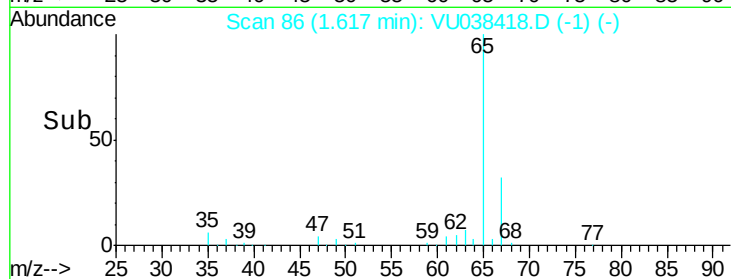
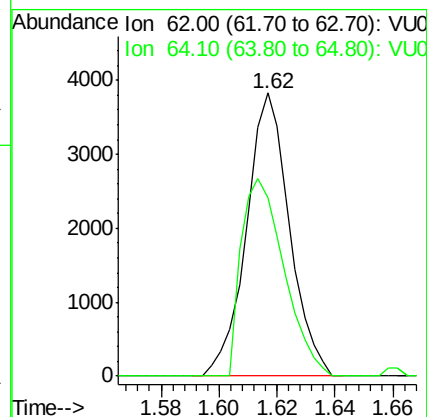
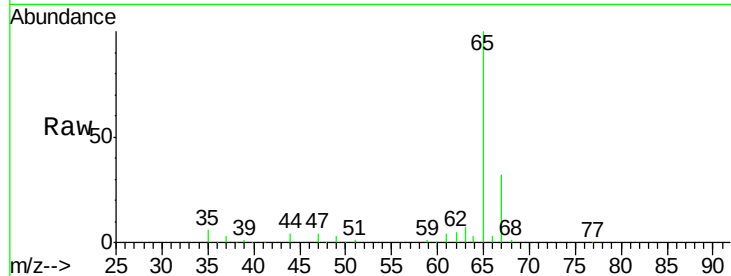
BE4Z2DL

Tot Ion: 62 Resp: 3943

Ion Ratio Lower Upper

62 100

64 63.0 23.7 43.9#



#8

Chloroethane

Concen: 0.262 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU038418.D

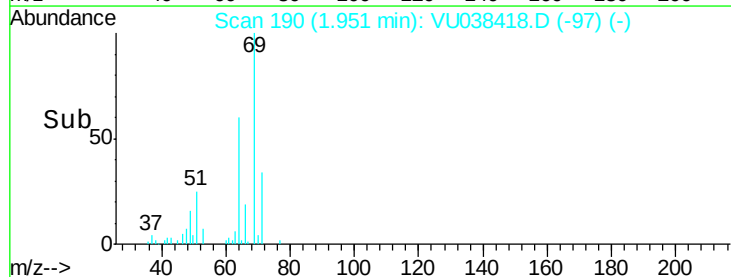
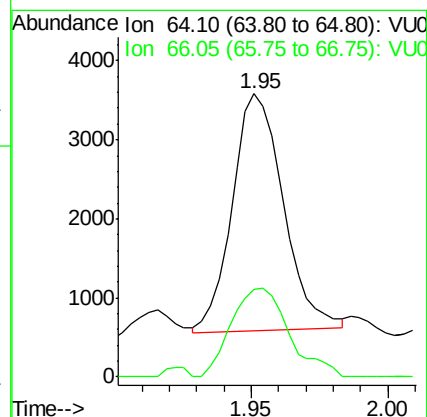
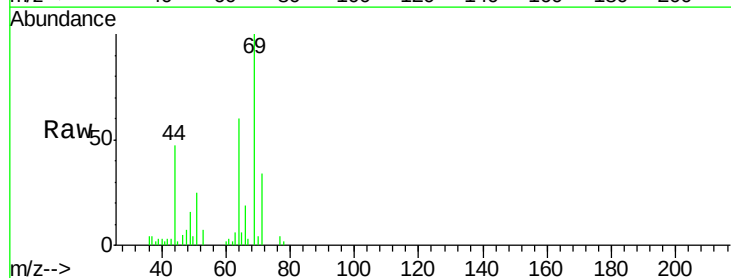
Acq: 30 May 2020 17:10

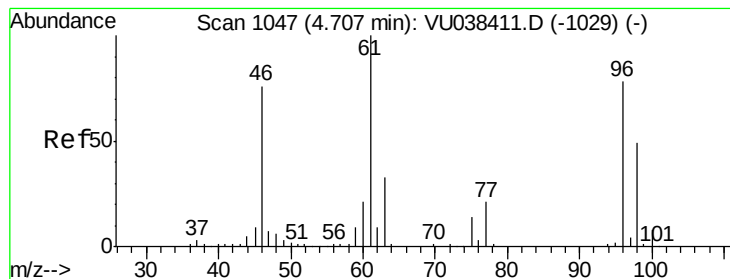
Tgt Ion: 64 Resp: 3891

Ion Ratio Lower Upper

64 100

66 30.9 21.5 39.9





#22

cis-1,2-Dichloroethene

Concen: 1.323 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038418.D

Acq: 30 May 2020 17:10

Instrument :

MSVOA_U

ClientSampleId :

BE4Z2DL

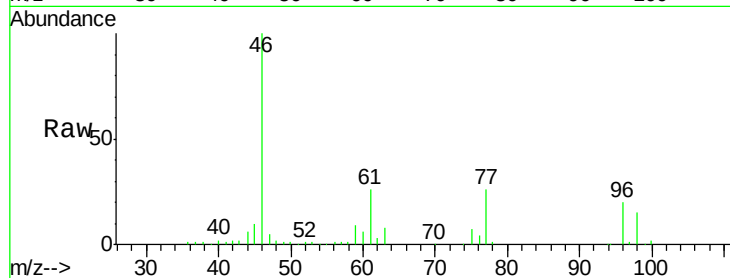
Tot Ion: 96 Resp: 30236

Ion Ratio Lower Upper

96 100

61 127.1 94.0 174.6

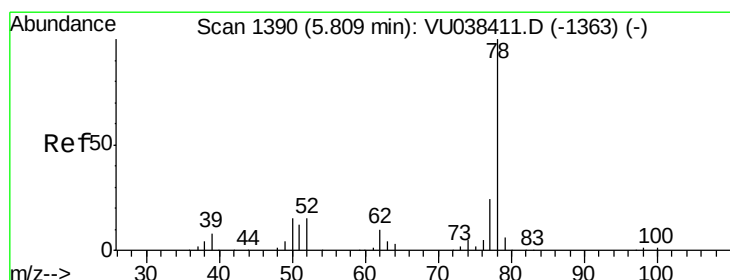
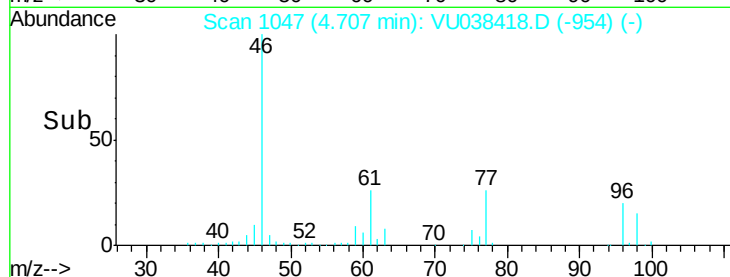
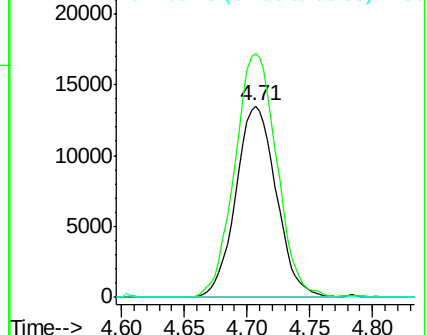
68 0.0 0.0 0.0



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: 7.026 ug/L

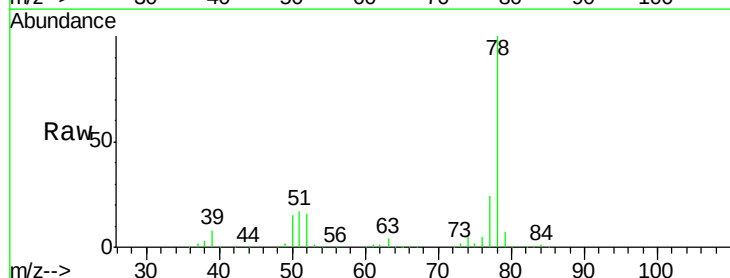
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

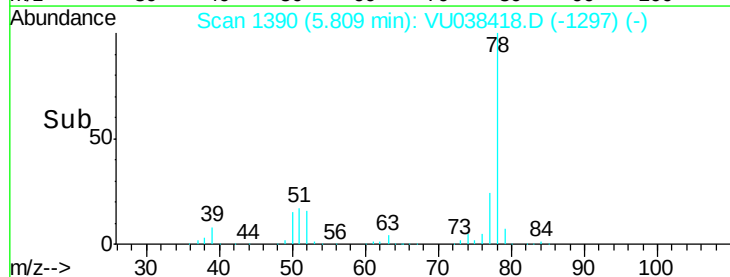
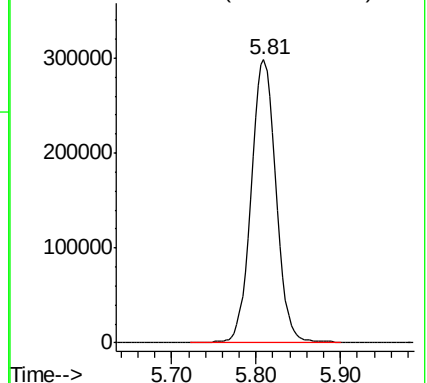
Lab File: VU038418.D

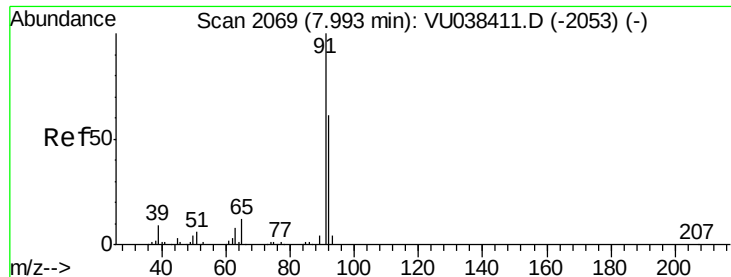
Acq: 30 May 2020 17:10

Tgt Ion: 78 Resp: 612488



Abundance Ion 78.10 (77.80 to 78.80): VU0





#42

Toluene

Concen: 11.680 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038418.D

Acq: 30 May 2020 17:10

Instrument :

MSVOA_U

ClientSampleId :

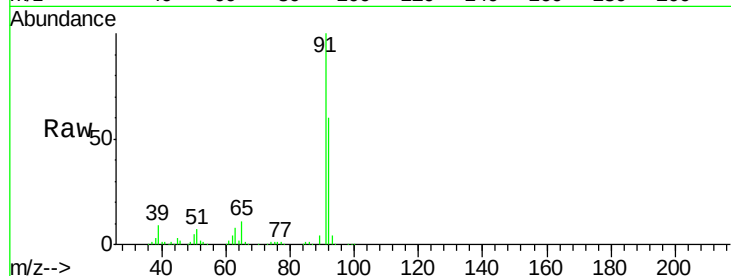
BE4Z2DL

Tot Ion: 91 Resp: 1067874

Ion Ratio Lower Upper

91 100

92 60.4 43.0 79.8



Abundance Ion 91.15 (90.85 to 91.85): VU038418.D (-1976) (-)

Ion 92.15 (91.85 to 92.85): VU038418.D (-1976) (-)

7.99

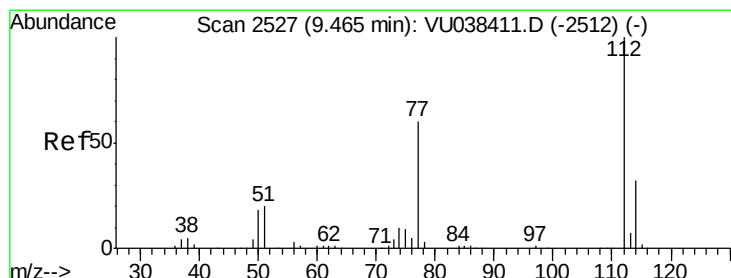
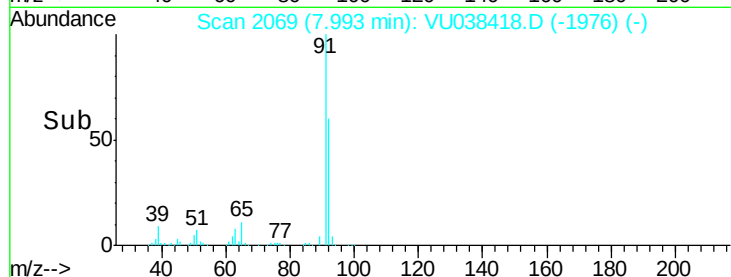
600000

400000

200000

0

Time-->



#51

Chlorobenzene

Concen: 0.507 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. 0.00 min

Lab File: VU038418.D

Acq: 30 May 2020 17:10

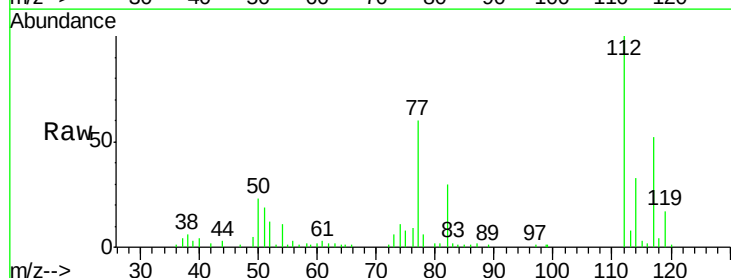
Tgt Ion: 112 Resp: 29923

Ion Ratio Lower Upper

112 100

114 33.3 22.4 41.6

77 59.6 47.1 70.7



Abundance Ion 112.10 (111.80 to 112.80): VU038418.D (-2434) (-)

Ion 114.05 (113.75 to 114.75): VU038418.D (-2434) (-)

Ion 77.10 (76.80 to 77.80): VU038418.D (-2434) (-)

9.47

25000

20000

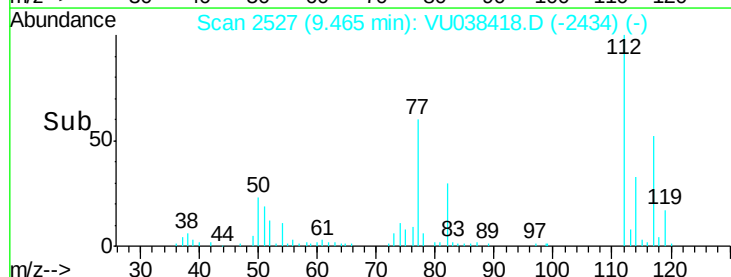
15000

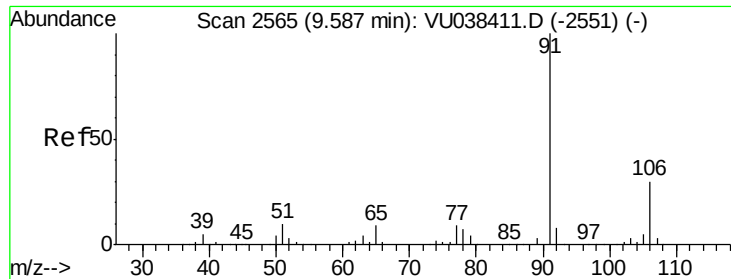
10000

5000

0

Time-->





#52

Ethylbenzene

Concen: 1.252 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. 0.00 min

Lab File: VU038418.D

Acq: 30 May 2020 17:10

Instrument :

MSVOA_U

ClientSampleId :

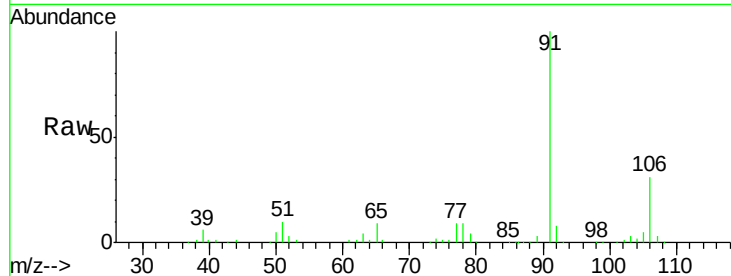
BE4Z2DL

Tot Ion: 91 Resp: 127326

Ion Ratio Lower Upper

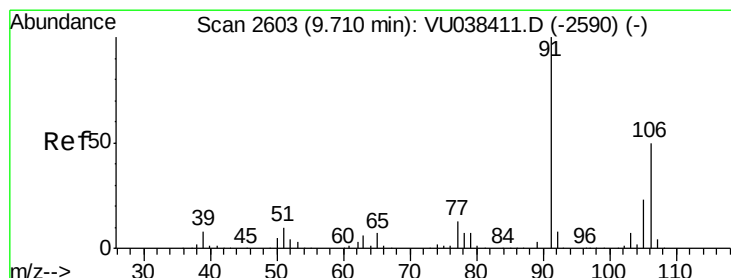
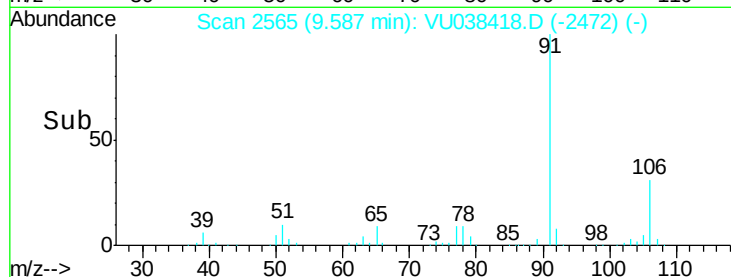
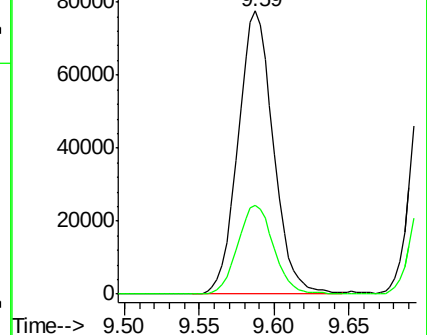
91 100

106 31.5 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VU038418.D (-2551) (-)

Ion 106.15 (105.85 to 106.85): VU038418.D (-2551) (-)



#53

m,p-Xylene

Concen: 2.594 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VU038418.D

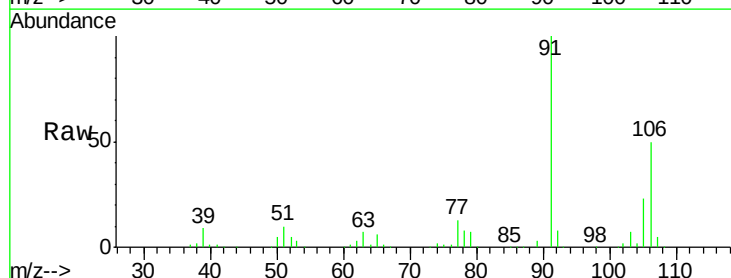
Acq: 30 May 2020 17:10

Tgt Ion: 106 Resp: 101477

Ion Ratio Lower Upper

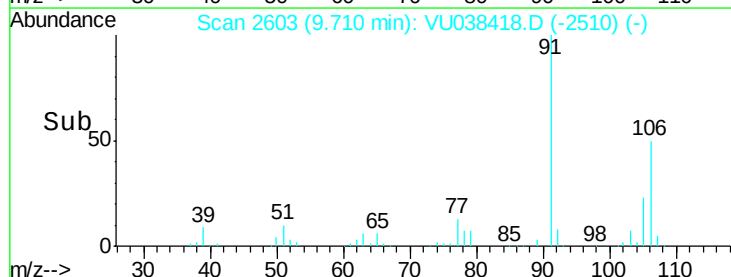
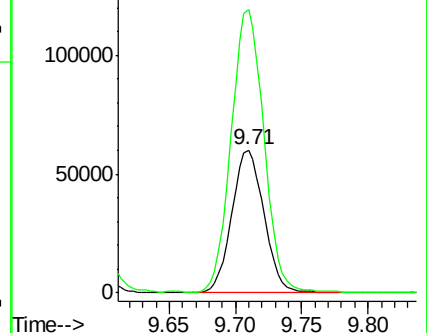
106 100

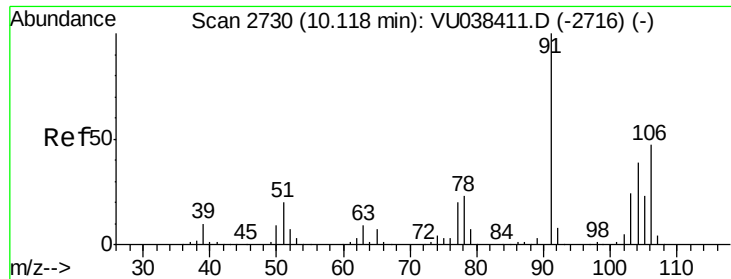
91 198.1 138.1 256.5



Abundance Ion 106.15 (105.85 to 106.85): VU038418.D (-2590) (-)

Ion 91.15 (90.85 to 91.85): VU038418.D (-2590) (-)

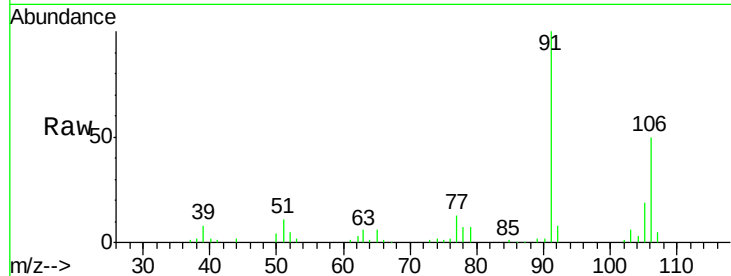




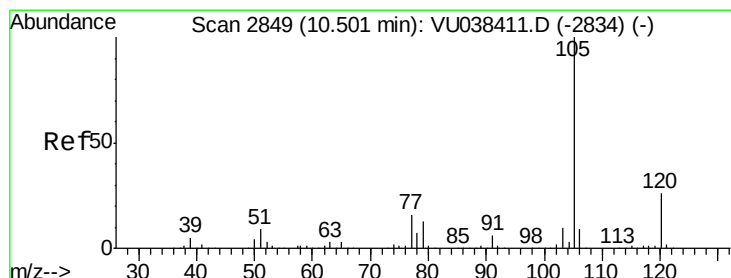
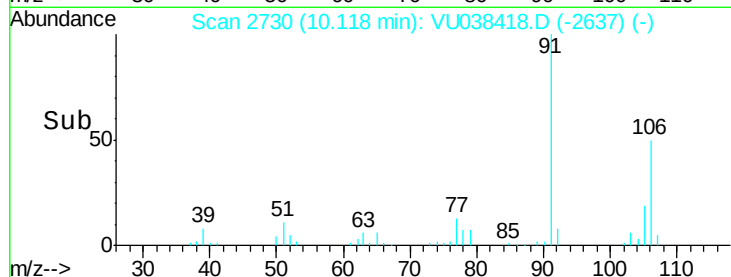
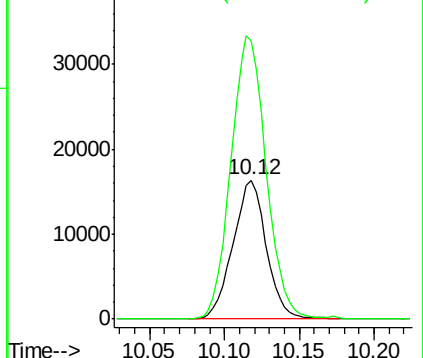
#54
o-Xylene
Concen: 0.679 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU038418.D
Acq: 30 May 2020 17:10

Instrument :
MSVOA_U
ClientSampleId :
BE4Z2DL

Tot Ion:106 Resp: 25514
Ion Ratio Lower Upper
106 100
91 200.2 150.6 279.8

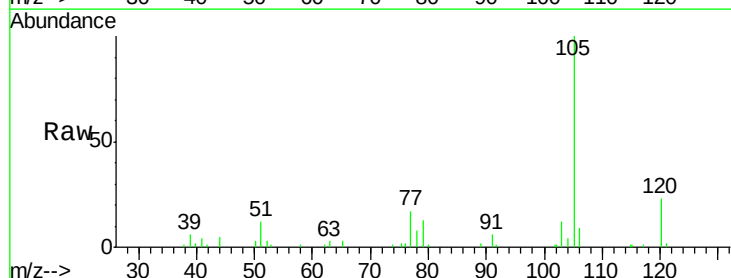


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

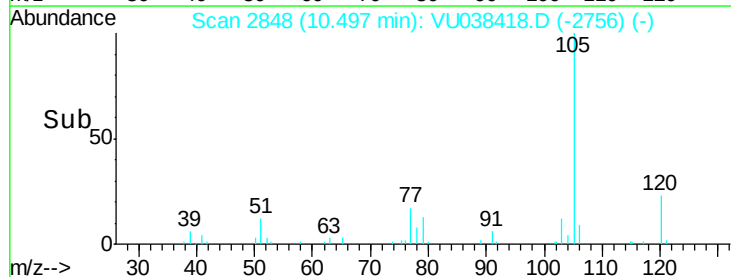
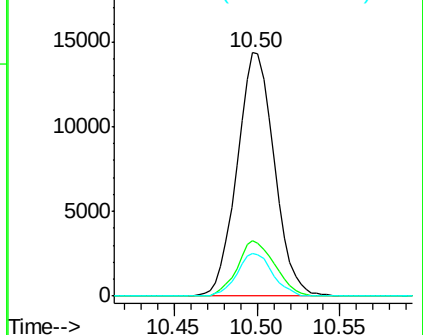


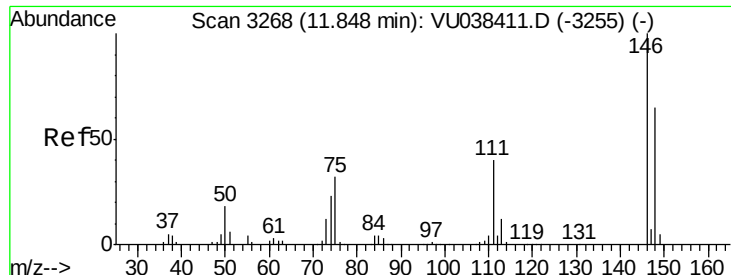
#56
Isopropylbenzene
Concen: 0.227 ug/L
RT: 10.50 min Scan# 2848
Delta R.T. -0.00 min
Lab File: VU038418.D
Acq: 30 May 2020 17:10

Tgt Ion:105 Resp: 22401
Ion Ratio Lower Upper
105 100
120 22.7 20.7 31.1
77 16.5 12.5 18.7



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





#63

1,4-Dichlorobenzene

Concen: 0.071 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. 0.00 min

Lab File: VU038418.D

Acq: 30 May 2020 17:10

Instrument :

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BE4Z2DL

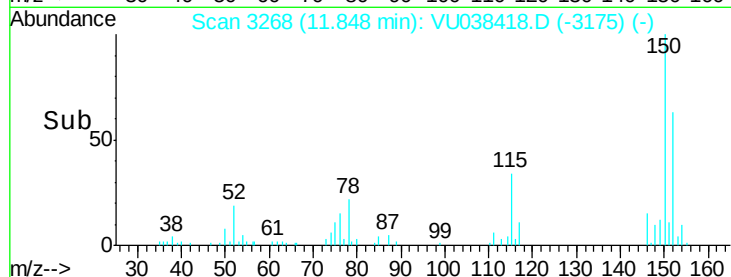
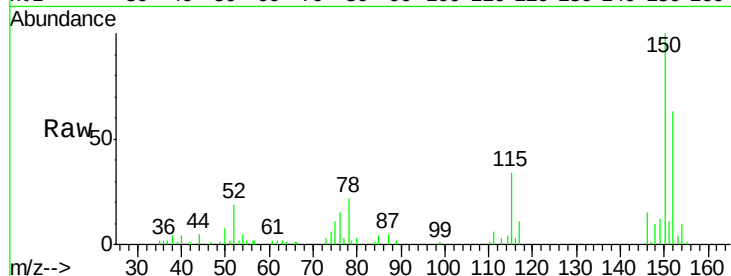
Tot Ion:146 Resp: 3166

Ion Ratio Lower Upper

146 100

111 40.2 27.6 51.2

148 62.7 44.8 83.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

