

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071020\
 Data File : VU039430.D
 Acq On : 10 Jul 2020 15:20
 Operator : SY/MD
 Sample : L3261-07DL 50X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BE506DL

Quant Time: Jul 11 03:23:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jul 11 02:49:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	95757	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	88655	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	42276	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	21822	3.93	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.60%
7) Chloroethane-d5	1.93	69	27681	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.60%
11) 1,1-Dichloroethene-d2	2.58	63	36899	3.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.60%
20) 2-Butanone-d5	4.66	46	148443	58.46	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.92%
24) Chloroform-d	5.09	84	59271	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
26) 1,2-Dichloroethane-d4	5.72	65	39552	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.60%
32) Benzene-d6	5.75	84	115200	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.00%
36) 1,2-Dichloropropane-d6	6.71	67	40855	5.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.00%
41) Toluene-d8	7.91	98	97164	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.00%
43) trans-1,3-Dichloropropene-	8.19	79	16644	5.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.60%
46) 2-Hexanone-d5	8.64	63	110485	56.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.50%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	38349	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	40264	5.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.80%

Target Compounds

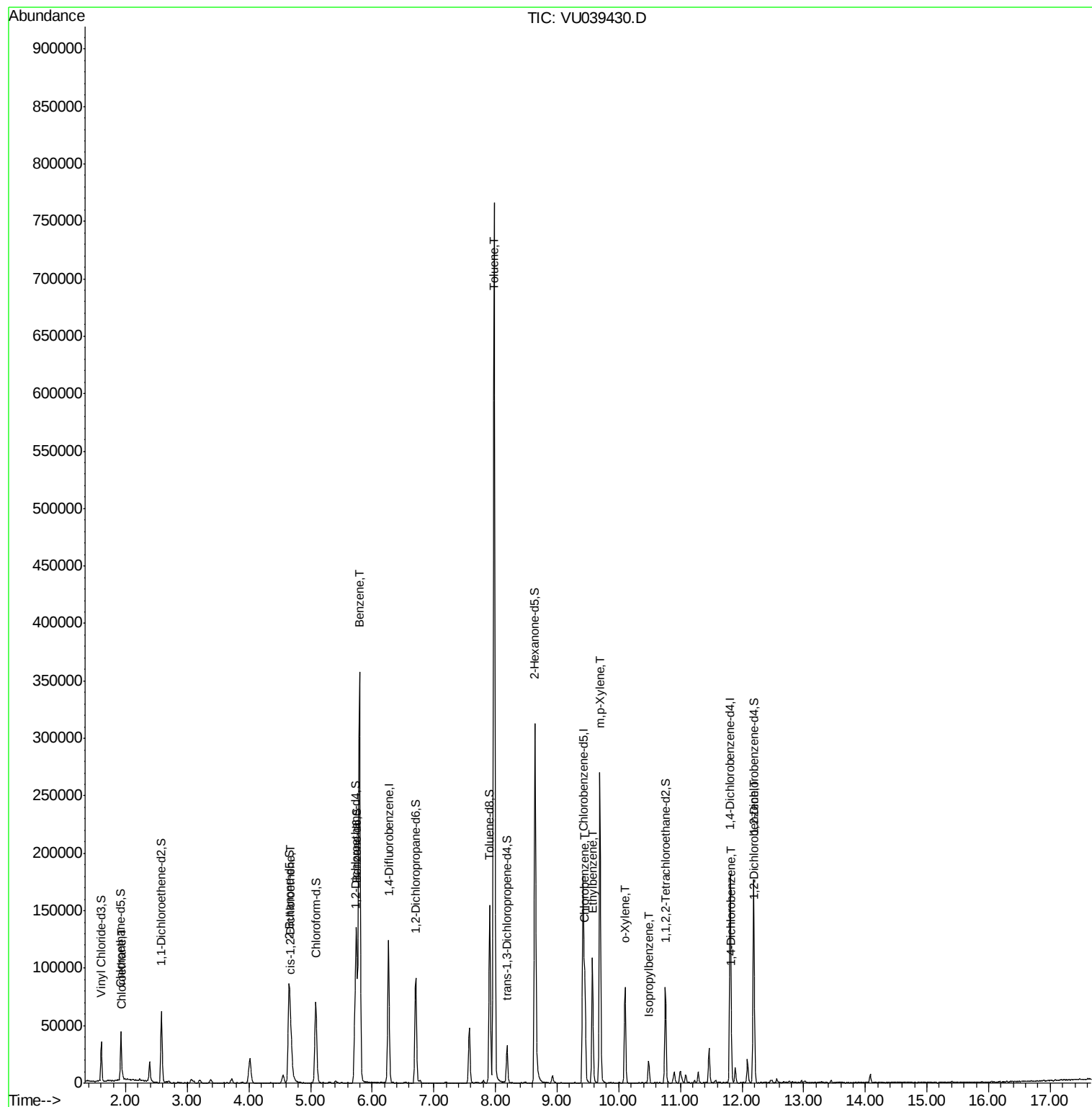
					Ovalue
8) Chloroethane	1.94	64	4100	0.727 ug/L	95
22) cis-1,2-Dichloroethene	4.69	96	4763	0.674 ug/L	94
33) Benzene	5.79	78	322863	12.181 ug/L	100
42) Toluene	7.98	91	532982	18.778 ug/L	100
51) Chlorobenzene	9.45	112	42496	2.450 ug/L	98
52) Ethylbenzene	9.57	91	75118	2.395 ug/L	99
53) m,p-Xylene	9.69	106	70856	5.995 ug/L	99
54) o-Xylene	10.10	106	20111	1.748 ug/L	96
56) Isopropylbenzene	10.49	105	12024	0.386 ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	2048	0.154 ug/L	82
65) 1,2-Dichlorobenzene	12.21	146	2634	0.198 ug/L #	84

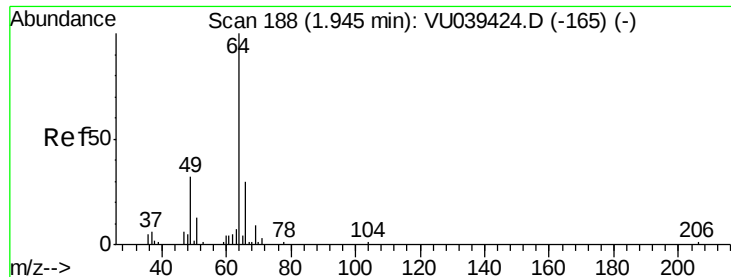
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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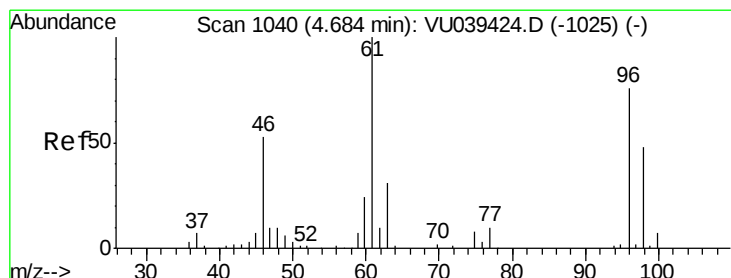
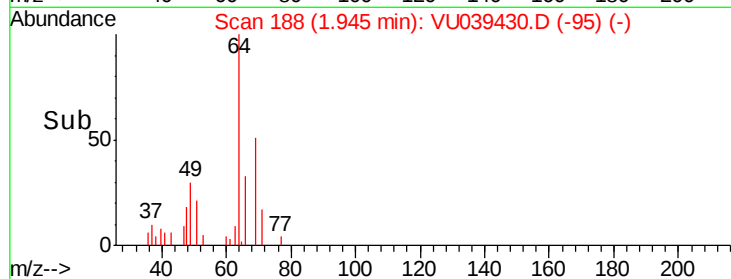
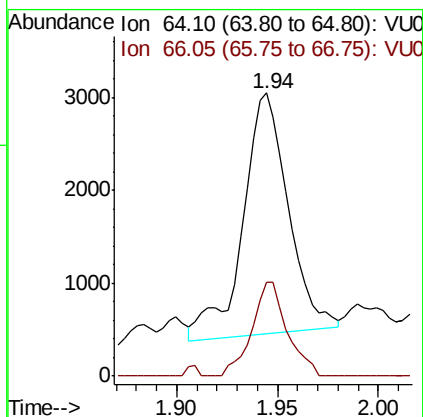
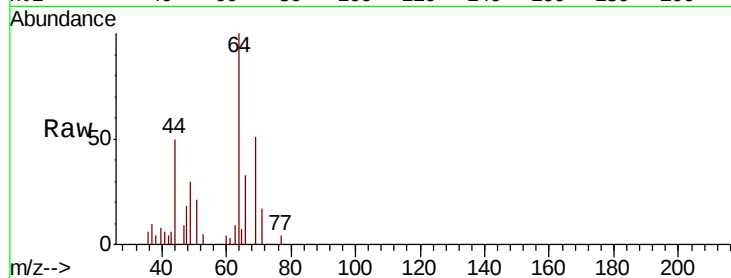




#8
Chloroethane
Concen: 0.727 ug/L
RT: 1.94 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU039430.D
Acq: 10 Jul 2020 15:20

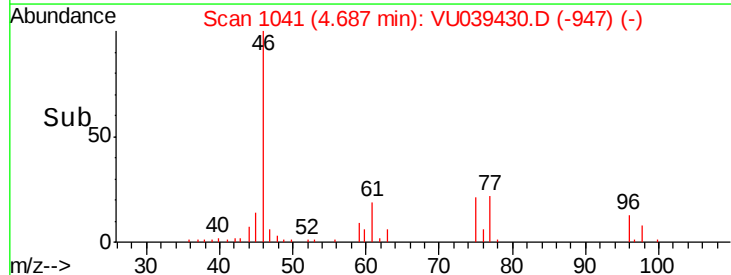
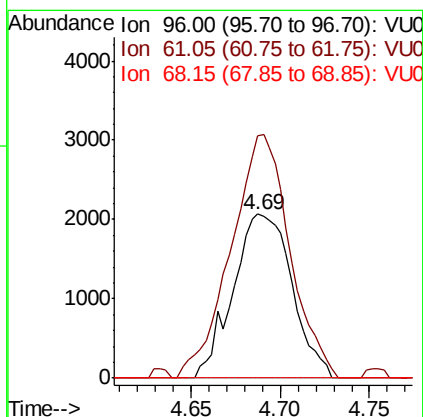
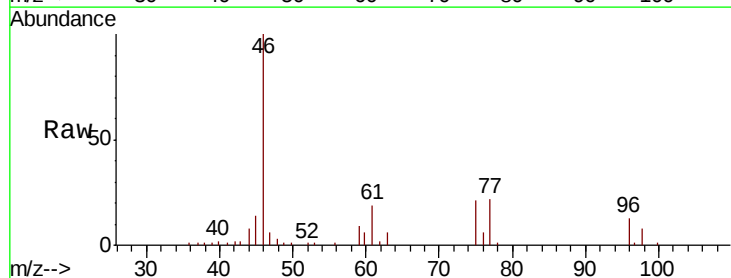
Instrument :
MSVOA_U
ClientSampleId :
BE506DL

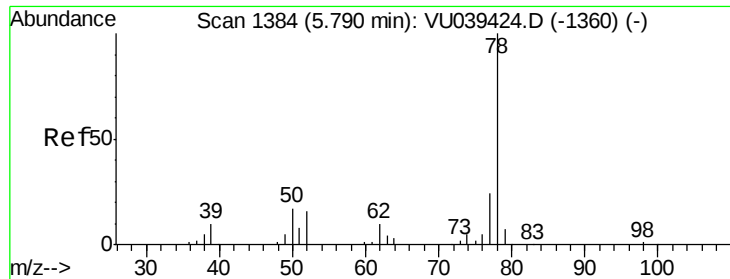
Tot Ion: 64 Resp: 4100
Ion Ratio Lower Upper
64 100
66 30.9 23.5 43.7



#22
cis-1,2-Dichloroethene
Concen: 0.674 ug/L
RT: 4.69 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VU039430.D
Acq: 10 Jul 2020 15:20

Tgt Ion: 96 Resp: 4763
Ion Ratio Lower Upper
96 100
61 139.6 92.8 172.4
68 0.0 0.0 0.0





#33

Benzene

Concen: 12.181 ug/L

RT: 5.79 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VU039430.D

Acq: 10 Jul 2020 15:20

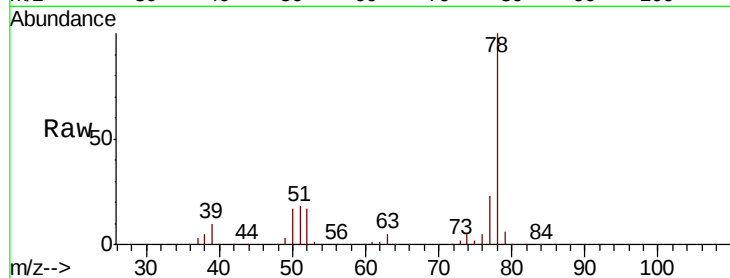
Instrument :

MSVOA_U

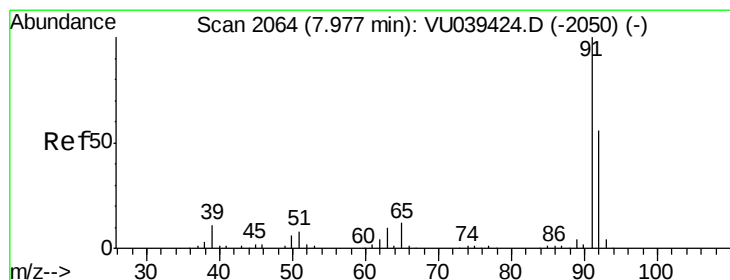
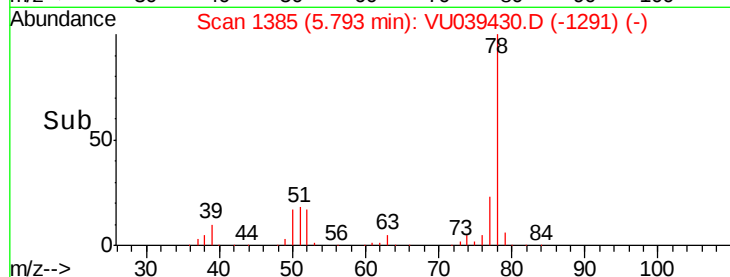
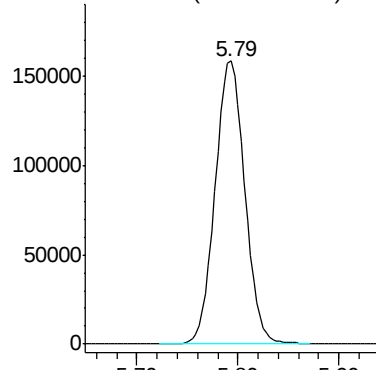
ClientSampleID :

BE506DL

Tgt Ion: 78 Resp: 322863



Abundance Ion 78.10 (77.80 to 78.80): VU0



#42

Toluene

Concen: 18.778 ug/L

RT: 7.98 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VU039430.D

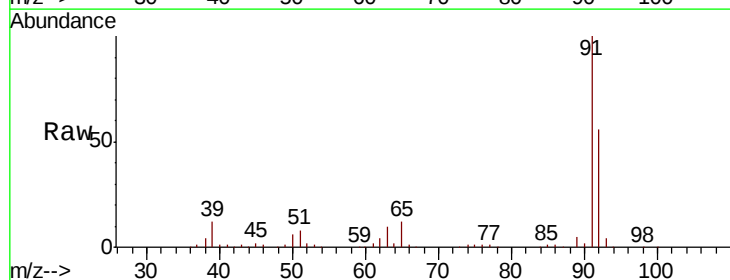
Acq: 10 Jul 2020 15:20

Tgt Ion: 91 Resp: 532982

Ion Ratio Lower Upper

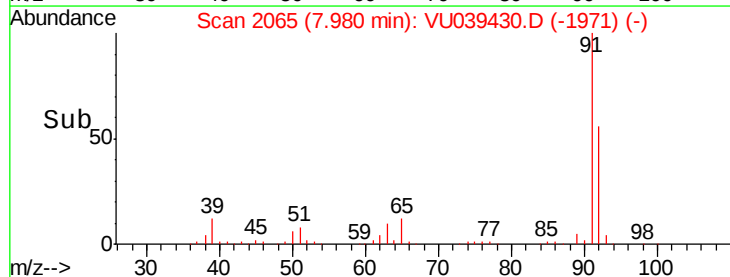
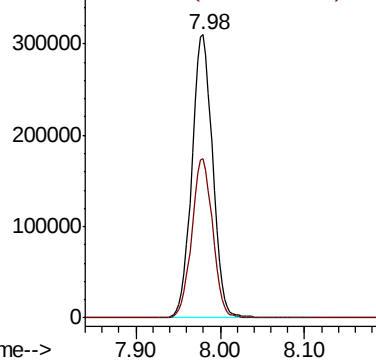
91 100

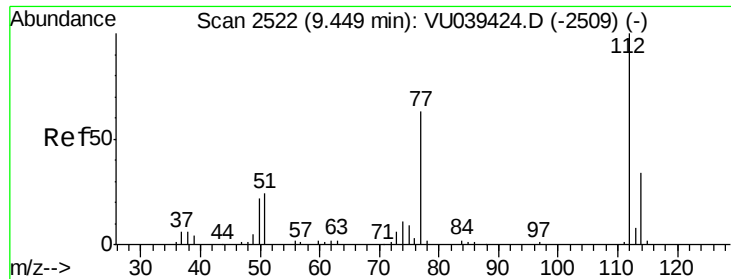
92 56.1 39.3 73.1



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

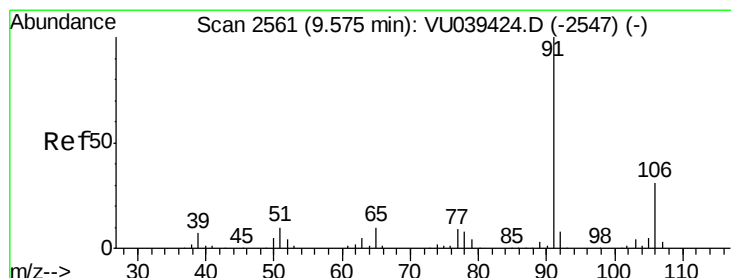
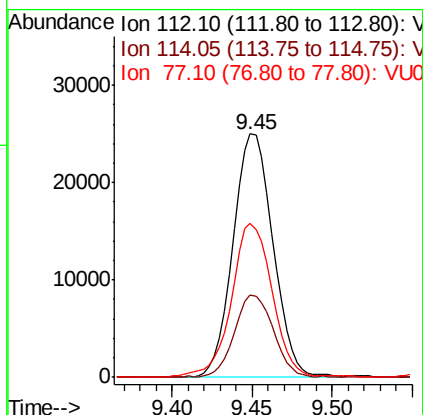
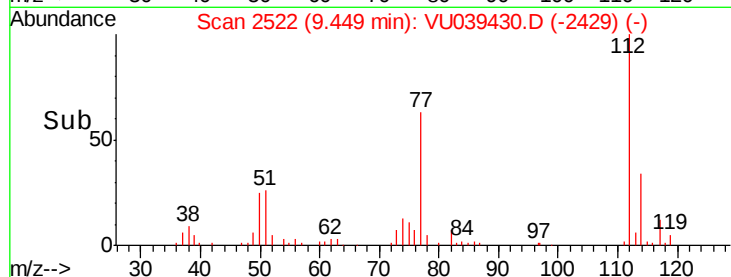
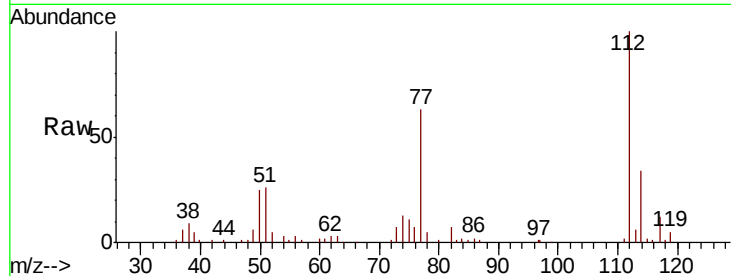




#51
Chlorobenzene
Concen: 2.450 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU039430.D
Acq: 10 Jul 2020 15:20

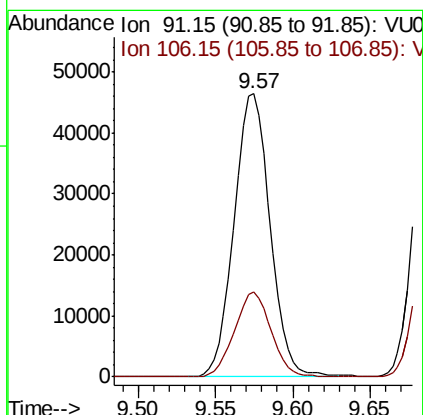
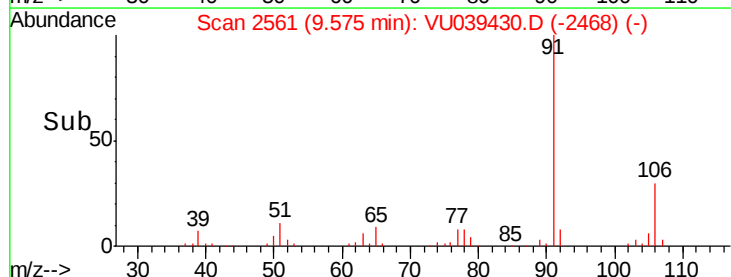
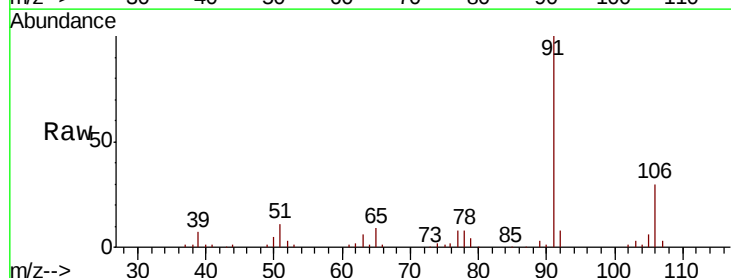
Instrument :
MSVOA_U
ClientSampleId :
BE506DL

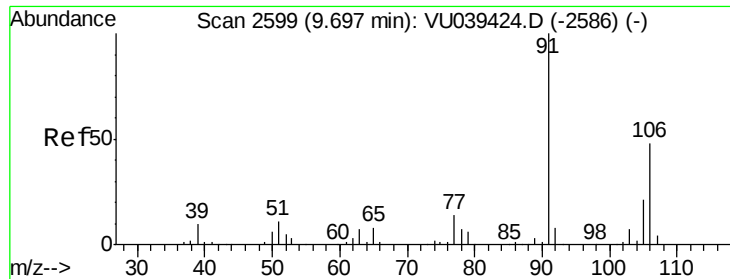
Tot Ion: 112 Resp: 42496
Ion Ratio Lower Upper
112 100
114 33.9 22.1 41.1
77 63.4 49.9 74.9



#52
Ethylbenzene
Concen: 2.395 ug/L
RT: 9.57 min Scan# 2561
Delta R.T. -0.00 min
Lab File: VU039430.D
Acq: 10 Jul 2020 15:20

Tgt Ion: 91 Resp: 75118
Ion Ratio Lower Upper
91 100
106 30.1 21.3 39.6





#53

m,p-Xylene

Concen: 5.995 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU039430.D

Acq: 10 Jul 2020 15:20

Instrument :

MSVOA_U

ClientSampleId :

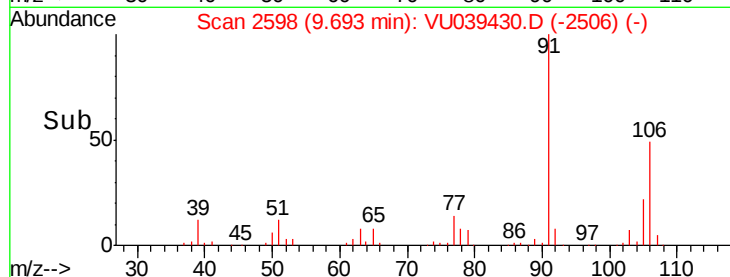
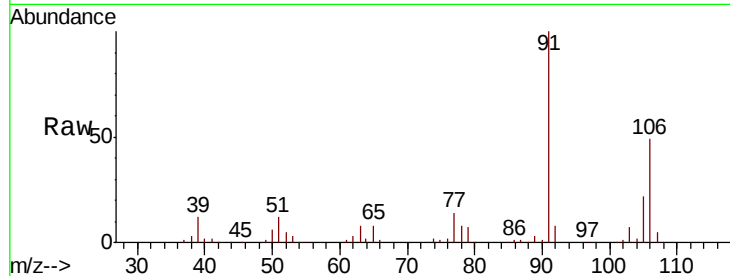
BE506DL

Tot Ion:106 Resp: 70856

Ion Ratio Lower Upper

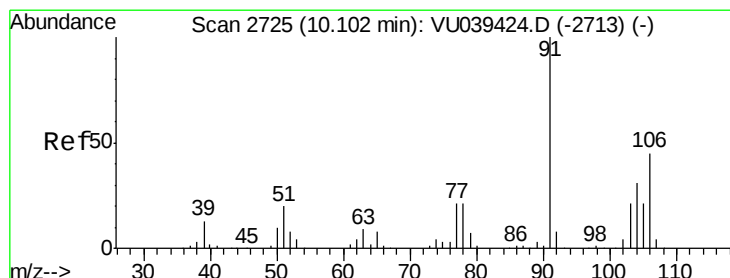
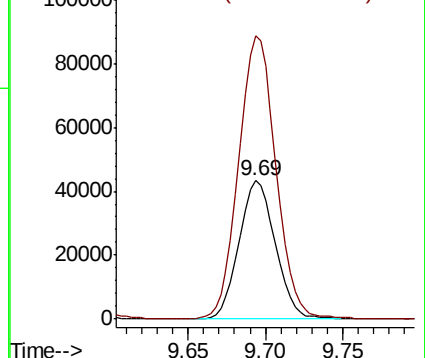
106 100

91 204.2 144.0 267.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 1.748 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VU039430.D

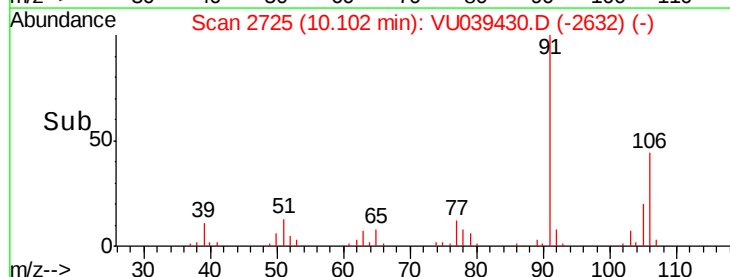
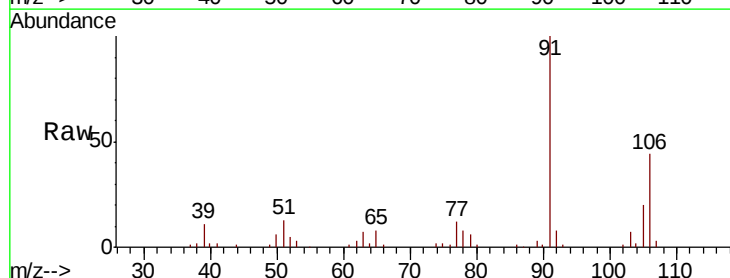
Acq: 10 Jul 2020 15:20

Tgt Ion:106 Resp: 20111

Ion Ratio Lower Upper

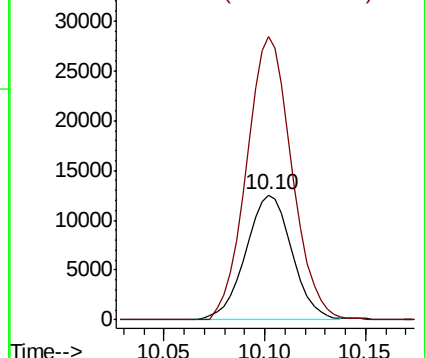
106 100

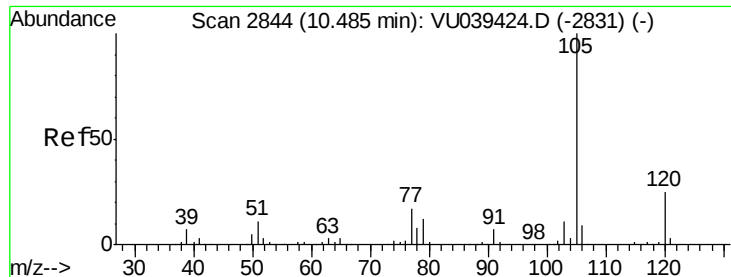
91 226.7 154.6 287.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#56

Isopropylbenzene

Concen: 0.386 ug/L

RT: 10.49 min Scan# 2845

Delta R.T. 0.00 min

Lab File: VU039430.D

Acq: 10 Jul 2020 15:20

Instrument :

MSVOA_U

ClientSampleId :

BE506DL

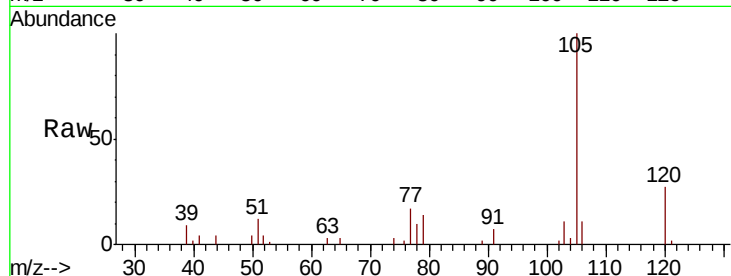
Tot Ion:105 Resp: 12024

Ion Ratio Lower Upper

105 100

120 27.2 20.7 31.1

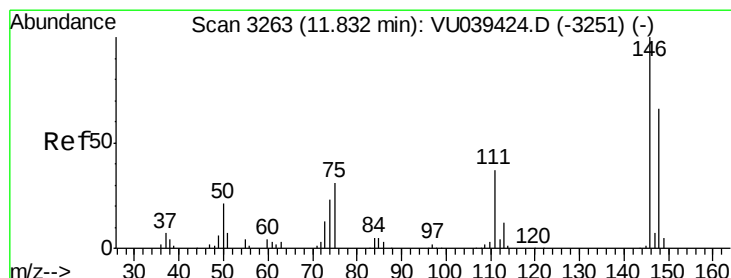
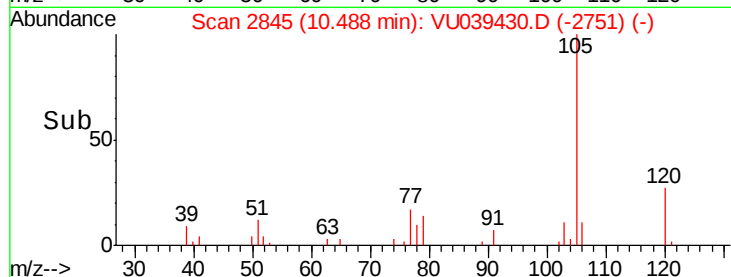
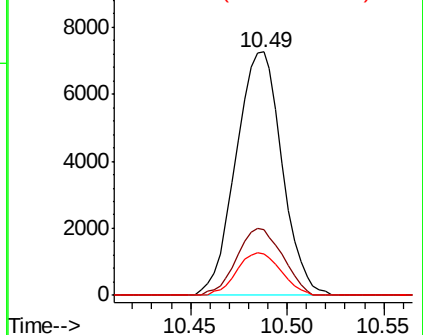
77 16.8 13.9 20.9



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): V



#63

1,4-Dichlorobenzene

Concen: 0.154 ug/L

RT: 11.83 min Scan# 3264

Delta R.T. 0.00 min

Lab File: VU039430.D

Acq: 10 Jul 2020 15:20

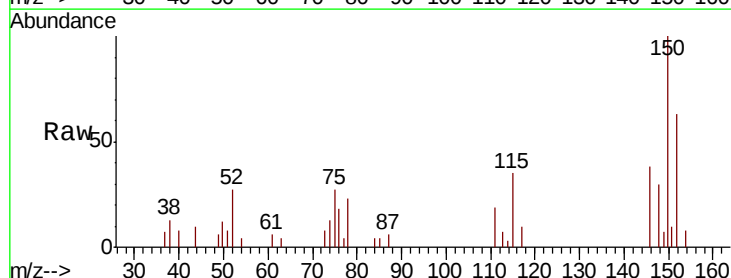
Tgt Ion:146 Resp: 2048

Ion Ratio Lower Upper

146 100

111 50.8 28.6 53.0

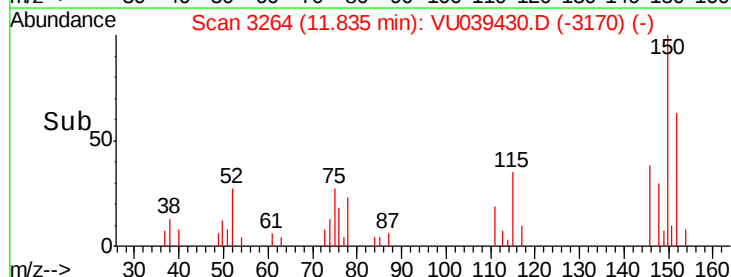
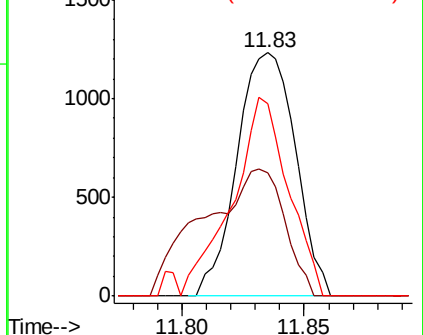
148 79.0 45.0 83.6

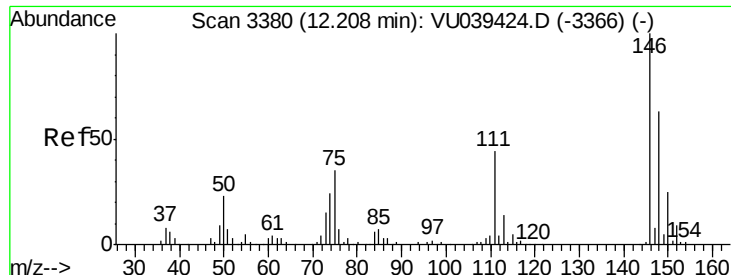


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

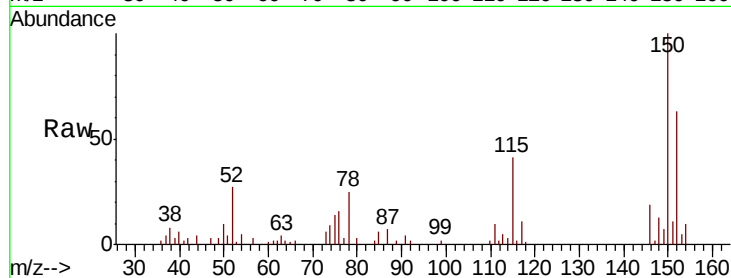




#65
 1,2-Dichlorobenzene
 Concen: 0.198 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU039430.D
 Acq: 10 Jul 2020 15:20

Instrument :
 MSVOA_U
 ClientSampleId :
 BE506DL

Tot Ion:146 Resp: 2634
 Ion Ratio Lower Upper
 146 100
 111 61.8 35.0 52.4#
 148 68.7 50.6 75.8



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

