

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092120\
 Data File : VU040239.D
 Acq On : 21 Sep 2020 17:22
 Operator : SY/MD
 Sample : L4046-12DL 40X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0Q0DL

Quant Time: Sep 22 15:54:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 22 07:07:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	116725	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	113025	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	56412	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	27998	4.39	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.80%
7) Chloroethane-d5	1.92	69	27414	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.20%
11) 1,1-Dichloroethene-d2	2.58	63	48399	2.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.20%#
20) 2-Butanone-d5	4.66	46	162848	63.88	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	127.76%
24) Chloroform-d	5.08	84	76717	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
26) 1,2-Dichloroethane-d4	5.72	65	50122	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.00%
32) Benzene-d6	5.75	84	136988	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
36) 1,2-Dichloropropane-d6	6.70	67	48770	5.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.20%
41) Toluene-d8	7.91	98	107141	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
43) trans-1,3-Dichloropropene-	8.19	79	20082	5.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.60%
46) 2-Hexanone-d5	8.64	63	120180	63.50	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	127.00%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	46515	6.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	123.60%#
64) 1,2-Dichlorobenzene-d4	12.19	152	53101	5.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.40%

Target Compounds

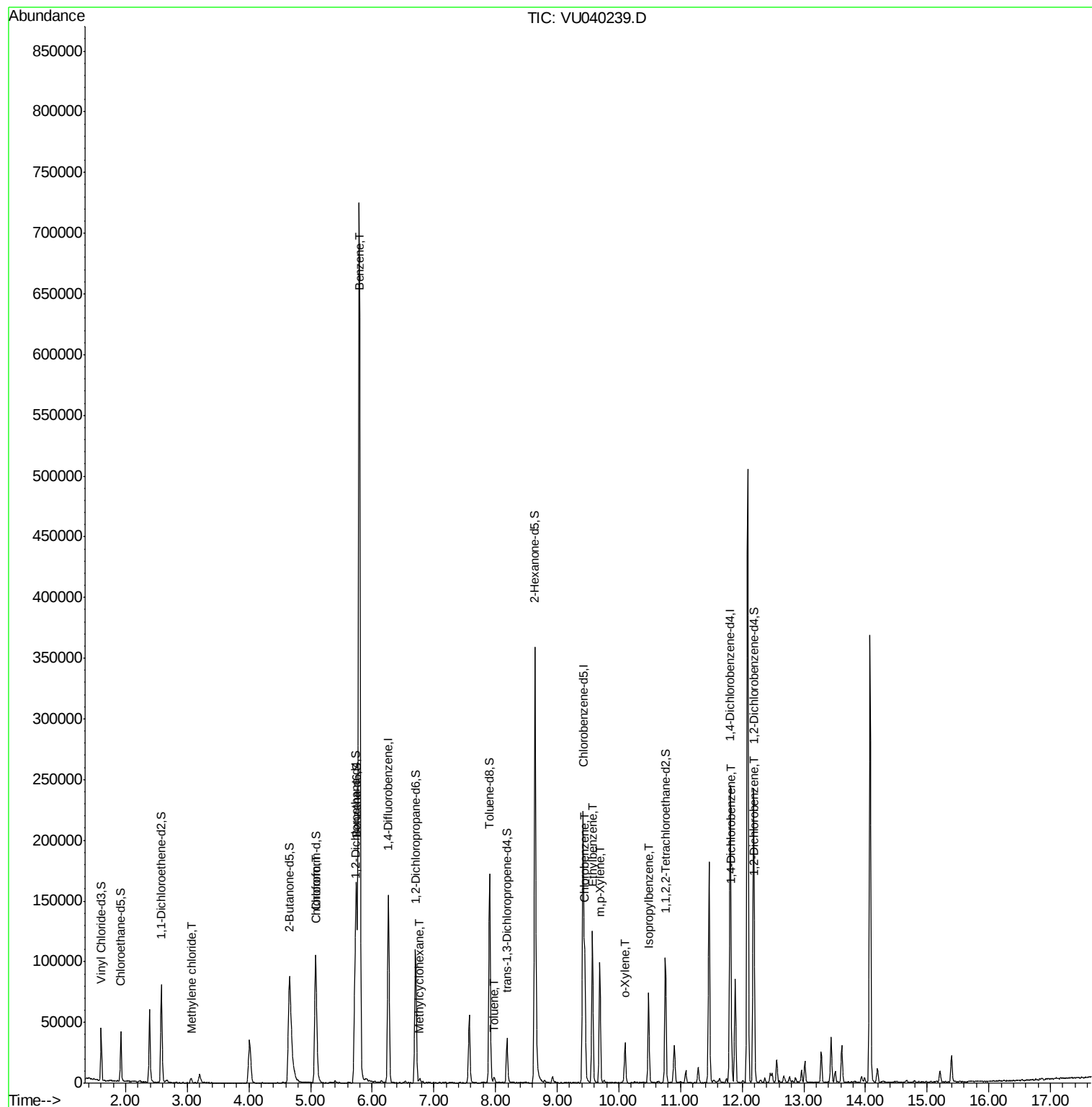
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
16) Methylene chloride	3.06	84	1975	0.167	ug/L	76
25) Chloroform	5.10	83	4168	0.203	ug/L	92
33) Benzene	5.79	78	644029	15.928	ug/L	100
35) Methylcyclohexane	6.77	83	1393	0.084	ug/L #	72
42) Toluene	7.97	91	3382	0.081	ug/L	99
51) Chlorobenzene	9.45	112	49890	1.930	ug/L	94
52) Ethylbenzene	9.57	91	80654	1.705	ug/L	100
53) m,p-Xylene	9.69	106	25662	1.523	ug/L	88
54) o-Xylene	10.10	106	7805	0.486	ug/L	84
56) Isopropylbenzene	10.48	105	43628	0.997	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	5843	0.280	ug/L	88
65) 1,2-Dichlorobenzene	12.21	146	3553	0.178	ug/L	93

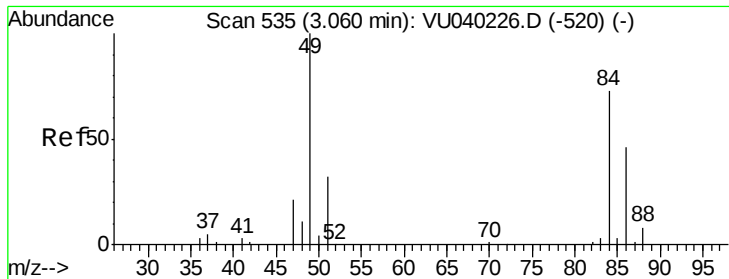
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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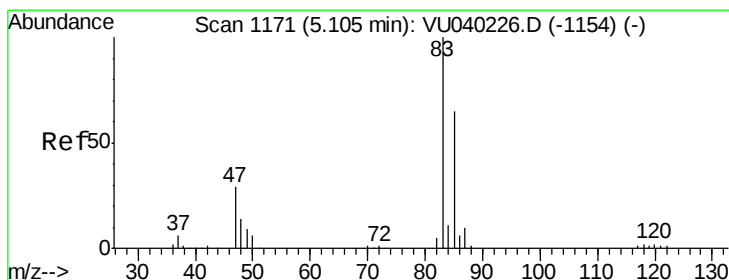
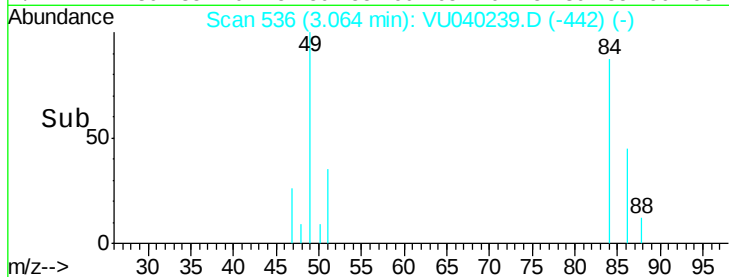
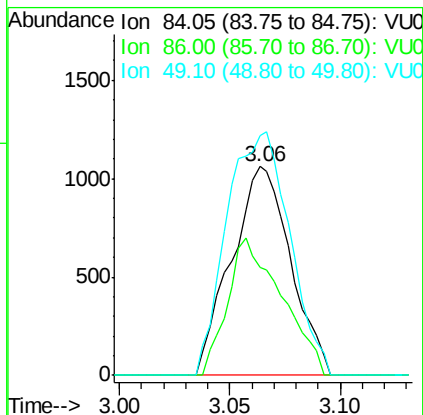
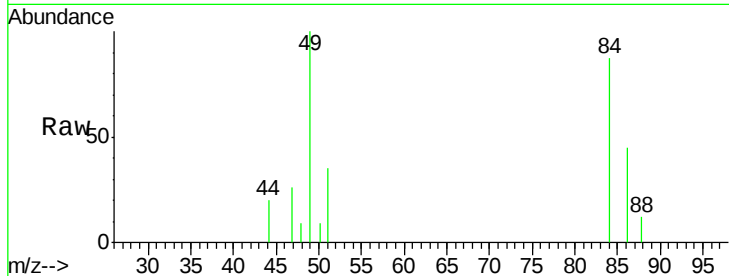




#16
Methvlene chloride
Concen: 0.167 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU040239.D
Acq: 21 Sep 2020 17:22

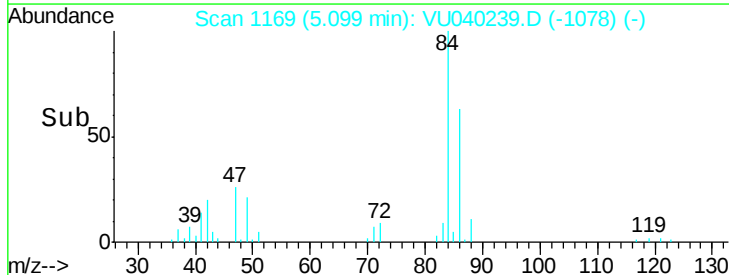
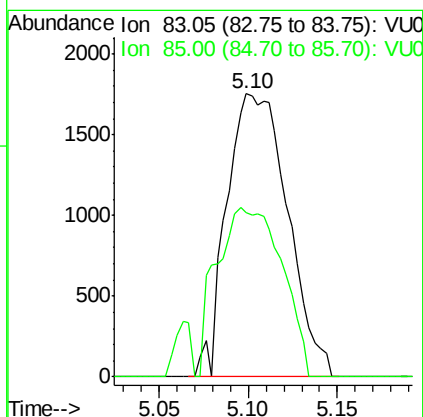
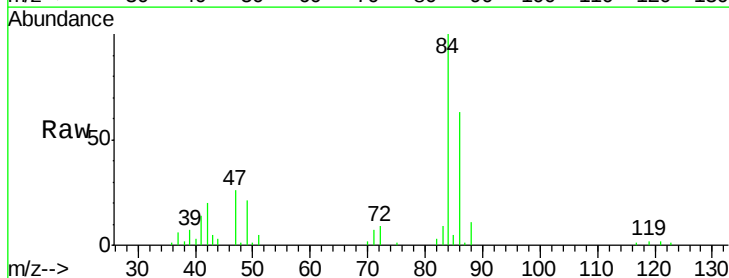
Instrument :
MSVOA_U
ClientSampleId :
BG0Q0DL

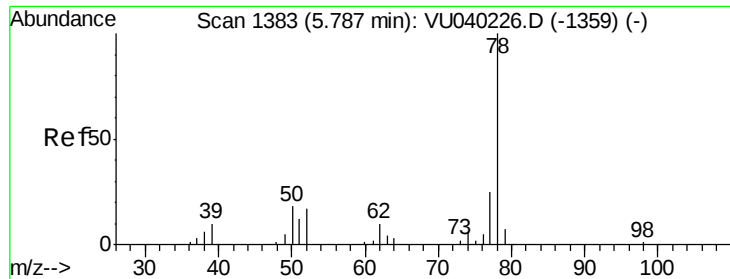
Tot Ion: 84 Resp: 1975
Ion Ratio Lower Upper
84 100
86 51.6 45.2 84.0
49 114.9 104.0 193.2



#25
Chloroform
Concen: 0.203 ug/L
RT: 5.10 min Scan# 1169
Delta R.T. -0.01 min
Lab File: VU040239.D
Acq: 21 Sep 2020 17:22

Tgt Ion: 83 Resp: 4168
Ion Ratio Lower Upper
83 100
85 58.1 45.3 84.1

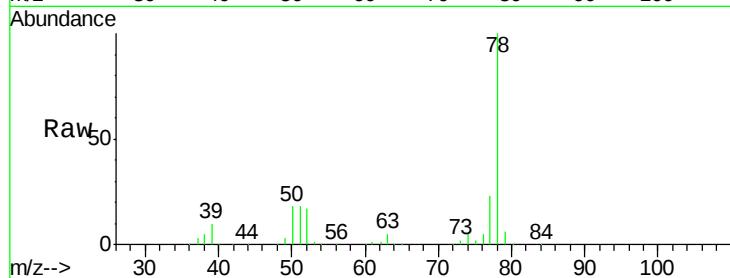




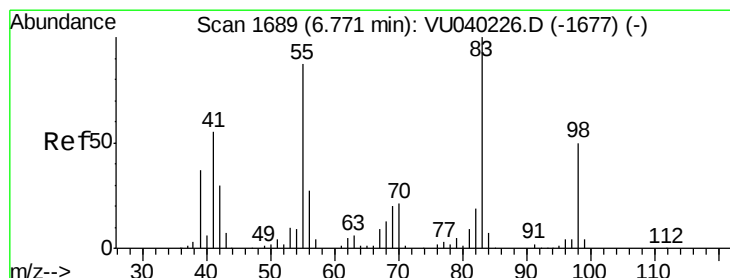
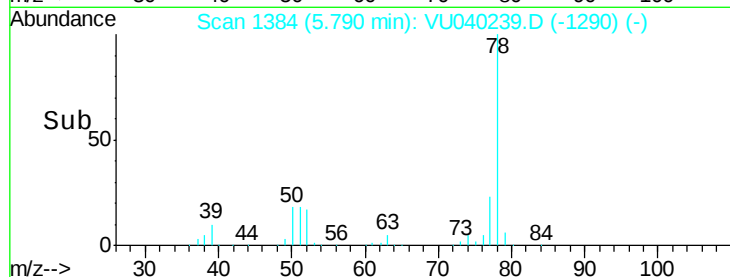
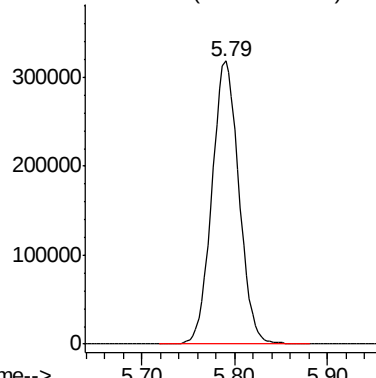
#33
Benzene
Concen: 15.928 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU040239.D
Acq: 21 Sep 2020 17:22

Instrument :
MSVOA_U
ClientSampleId :
BG0Q0DL

Tgt Ion: 78 Resp: 644029

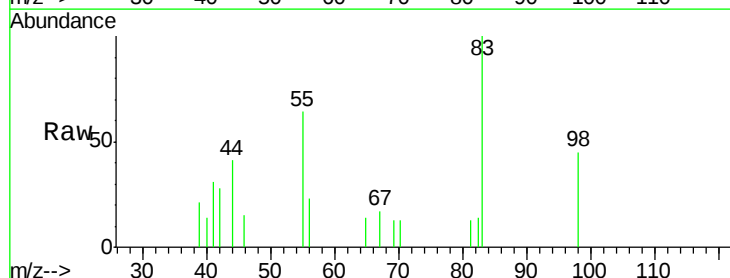


Abundance Ion 78.10 (77.80 to 78.80): VU0



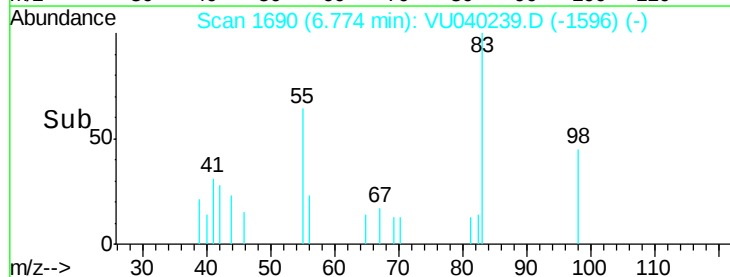
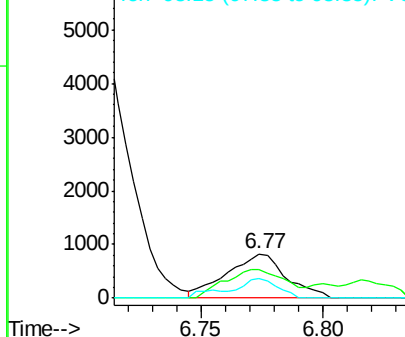
#35
Methylcyclohexane
Concen: 0.084 ug/L
RT: 6.77 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VU040239.D
Acq: 21 Sep 2020 17:22

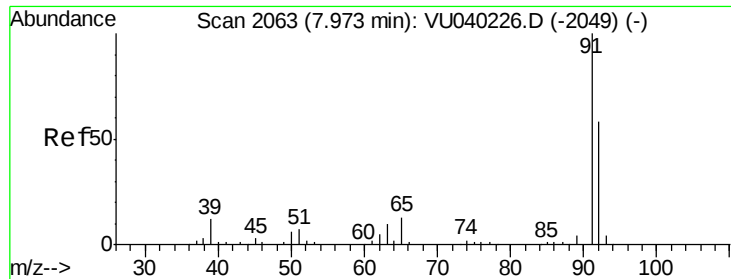
Tgt Ion: 83 Resp: 1393
Ion Ratio Lower Upper
83 100
55 64.3 70.5 105.7#
98 26.2 37.8 56.6#



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





#42

Toluene

Concen: 0.081 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040239.D

Acq: 21 Sep 2020 17:22

Instrument :

MSVOA_U

ClientSampleId :

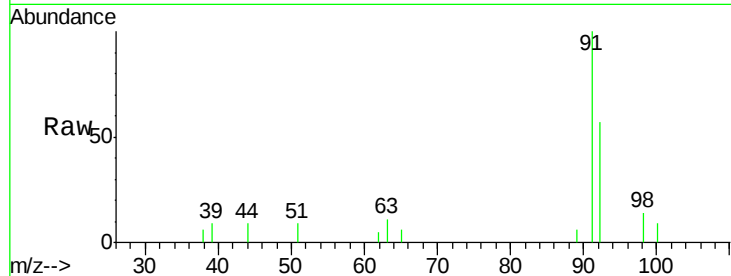
BG0Q0DL

Tot Ion: 91 Resp: 3382

Ion Ratio Lower Upper

91 100

92 57.5 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU040226.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU040226.D (-2049) (-)

7.97

2000

1500

1000

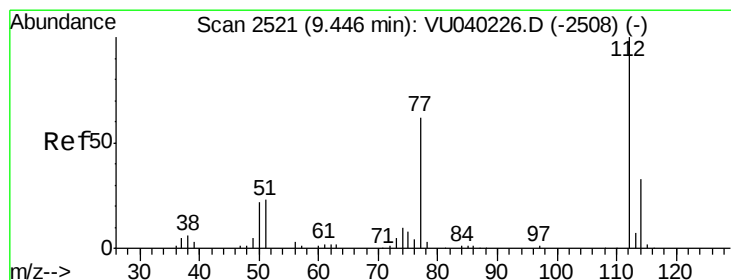
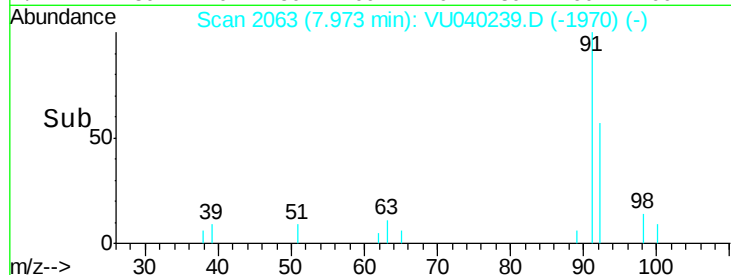
500

0

7.95

8.00

Time-->



#51

Chlorobenzene

Concen: 1.930 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU040239.D

Acq: 21 Sep 2020 17:22

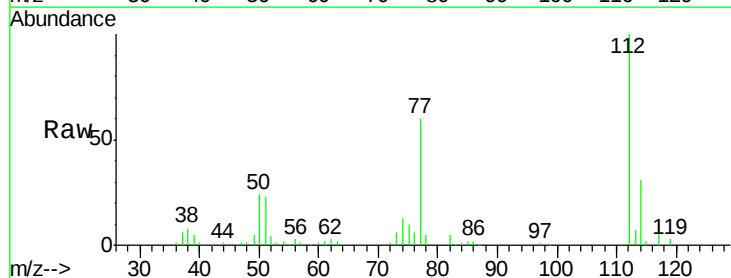
Tgt Ion: 112 Resp: 49890

Ion Ratio Lower Upper

112 100

114 31.1 22.7 42.3

77 60.3 53.2 79.8



Abundance Ion 112.10 (111.80 to 112.80): VU040226.D (-2508) (-)

Ion 114.05 (113.75 to 114.75): VU040226.D (-2508) (-)

Ion 77.10 (76.80 to 77.80): VU040226.D (-2508) (-)

9.45

40000

30000

20000

10000

0

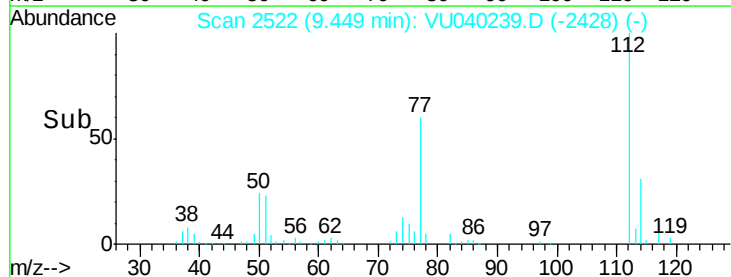
9.40

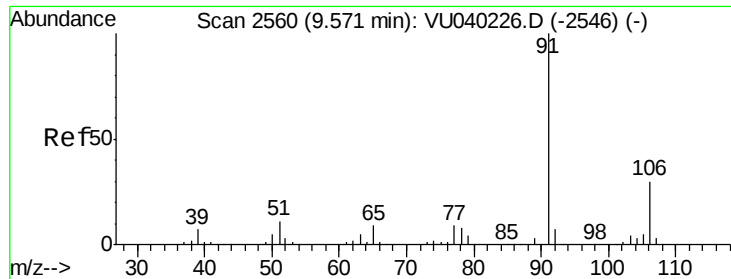
9.45

9.50

9.55

Time-->





#52

Ethylbenzene

Concen: 1.705 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040239.D

Acq: 21 Sep 2020 17:22

Instrument :

MSVOA_U

ClientSampleId :

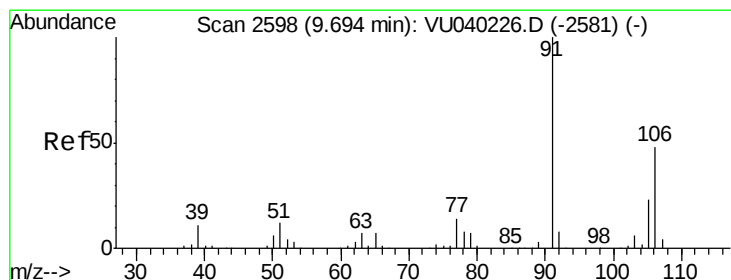
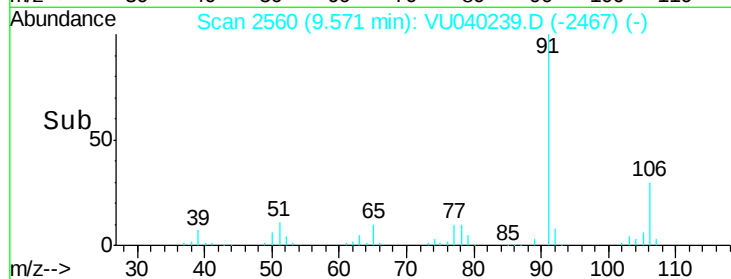
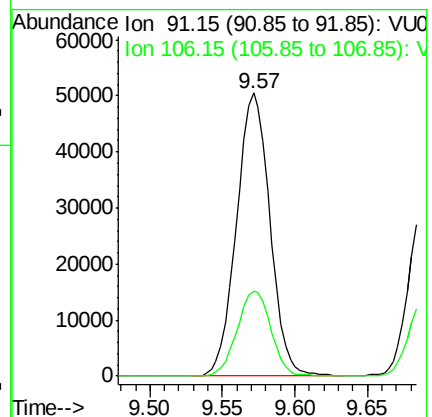
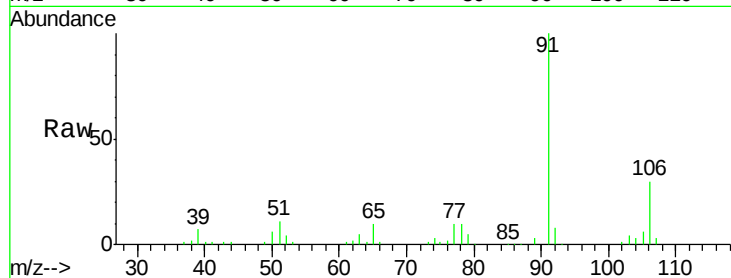
BG0Q0DL

Tot Ion: 91 Resp: 80654

Ion Ratio Lower Upper

91 100

106 30.0 21.0 39.0



#53

m,p-Xylene

Concen: 1.523 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040239.D

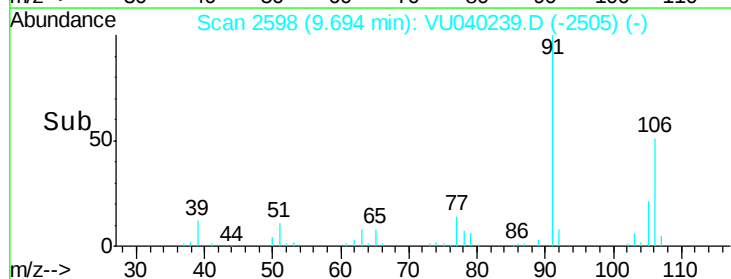
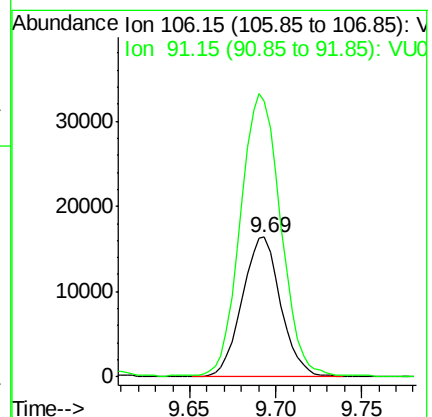
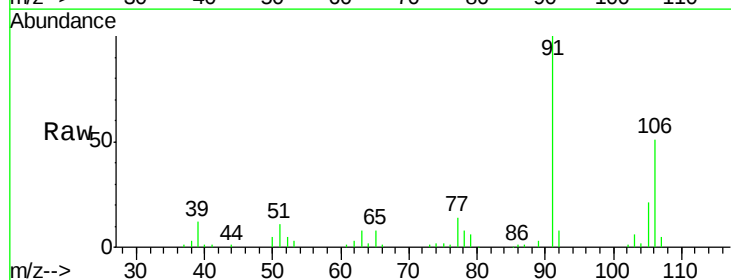
Acq: 21 Sep 2020 17:22

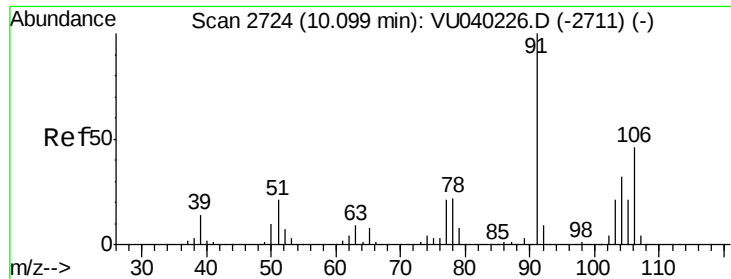
Tgt Ion: 106 Resp: 25662

Ion Ratio Lower Upper

106 100

91 197.4 151.7 281.7

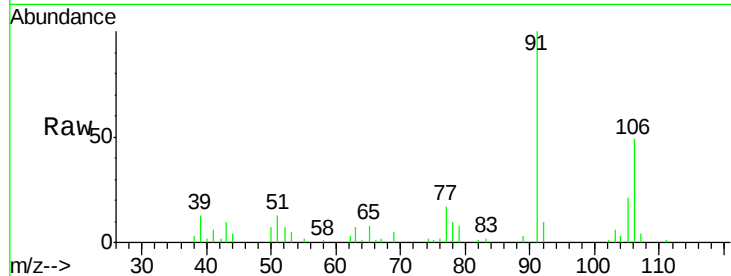




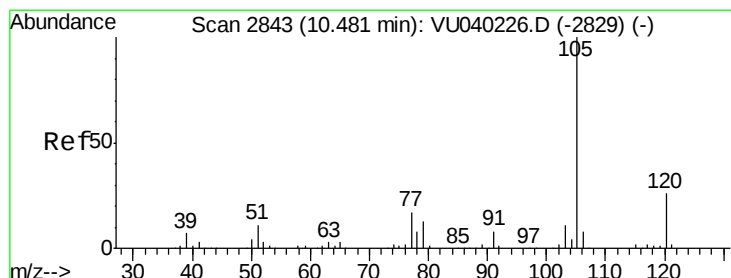
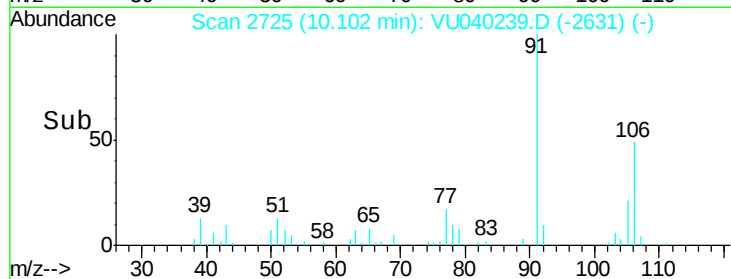
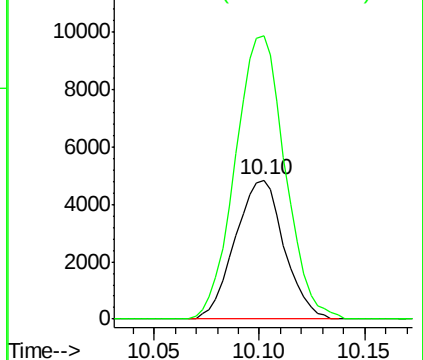
#54
o-Xylene
Concen: 0.486 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040239.D
Acq: 21 Sep 2020 17:22

Instrument :
MSVOA_U
ClientSampleId :
BG0Q0DL

Tot Ion:106 Resp: 7805
Ion Ratio Lower Upper
106 100
91 203.9 160.8 298.6

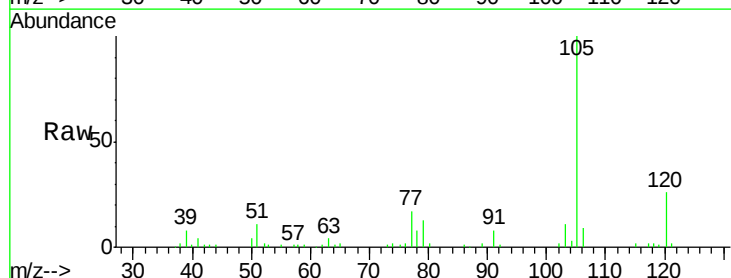


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

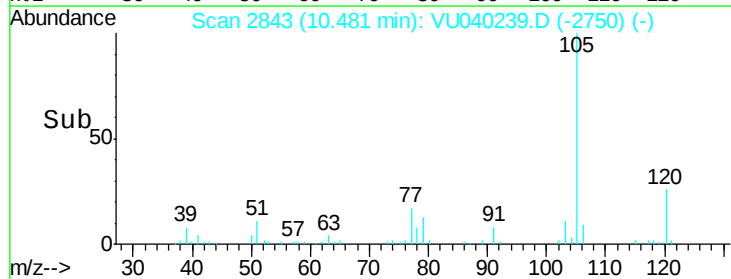
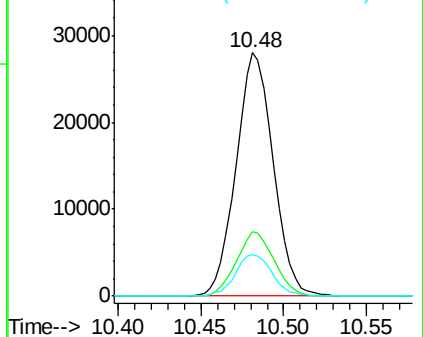


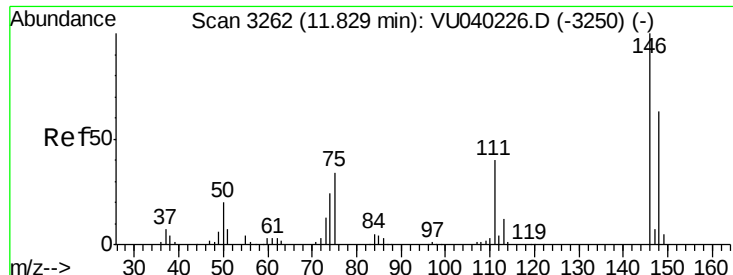
#56
Isopropylbenzene
Concen: 0.997 ug/L
RT: 10.48 min Scan# 2843
Delta R.T. -0.00 min
Lab File: VU040239.D
Acq: 21 Sep 2020 17:22

Tgt Ion:105 Resp: 43628
Ion Ratio Lower Upper
105 100
120 26.9 20.1 30.1
77 16.8 14.4 21.6



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: 0.280 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. -0.00 min

Lab File: VU040239.D

Acq: 21 Sep 2020 17:22

Instrument :

MSVOA_U

ClientSampled :

BG0Q0DL

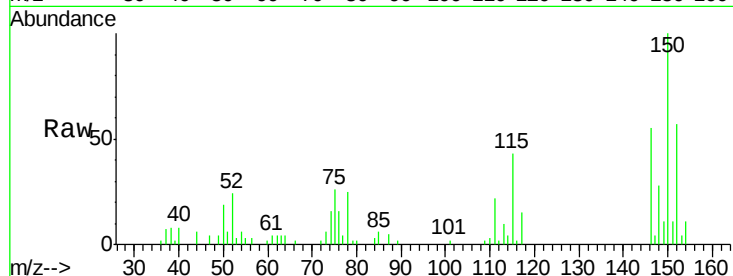
Tot Ion:146 Resp: 5843

Ion Ratio Lower Upper

146 100

111 40.0 30.5 56.7

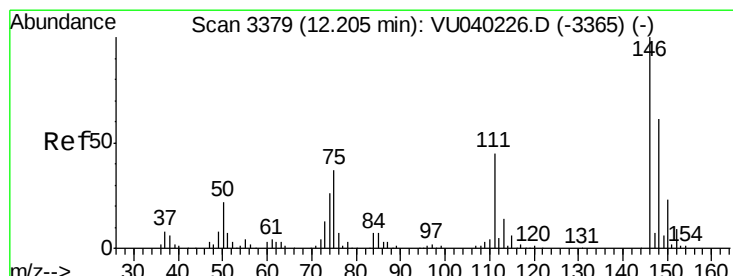
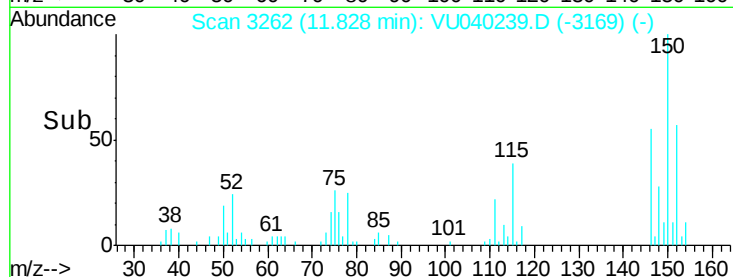
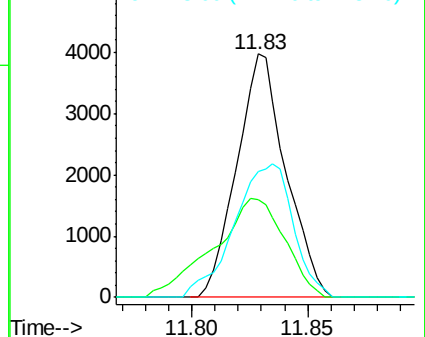
148 51.9 45.4 84.4



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: 0.178 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040239.D

Acq: 21 Sep 2020 17:22

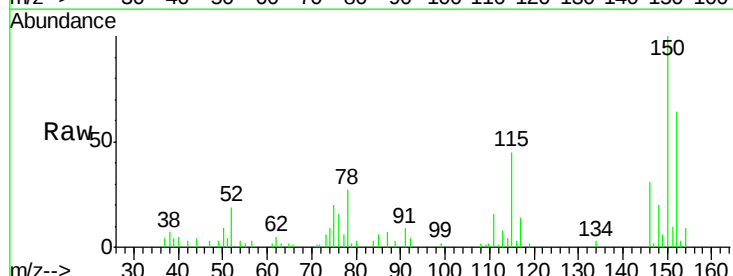
Tgt Ion:146 Resp: 3553

Ion Ratio Lower Upper

146 100

111 51.7 36.5 54.7

148 64.8 48.6 72.8



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

