

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092820\
 Data File : VU040343.D
 Acq On : 28 Sep 2020 19:52
 Operator : SY/MD
 Sample : L4139-04DL 100X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG494DL

Quant Time: Sep 29 09:01:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 29 07:18:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	131234	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	129342	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	62513	5.00	ug/L	0.00

System Monitoring Compounds

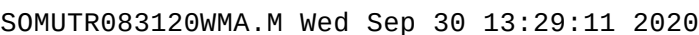
4) Vinyl Chloride-d3	1.60	65	38143	5.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.40%
7) Chloroethane-d5	1.92	69	35681	5.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	119.60%
11) 1,1-Dichloroethene-d2	2.58	63	62314	3.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.80%
20) 2-Butanone-d5	4.65	46	179294	62.56	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.12%
24) Chloroform-d	5.08	84	82212	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.72	65	53621	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
32) Benzene-d6	5.74	84	159168	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.40%
36) 1,2-Dichloropropane-d6	6.70	67	55844	5.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.20%
41) Toluene-d8	7.91	98	131710	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
43) trans-1,3-Dichloropropene-	8.19	79	21039	4.60	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.00%
46) 2-Hexanone-d5	8.64	63	133001	61.41	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	122.82%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	49116	5.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	114.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	55803	5.52	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.40%

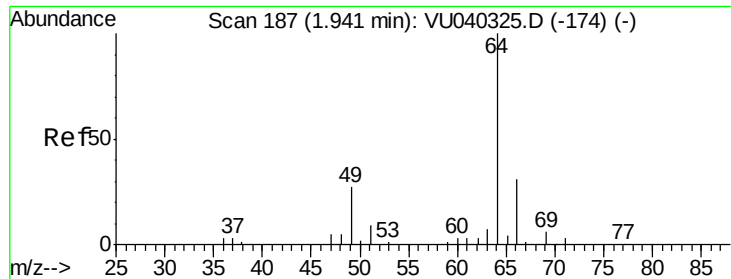
Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.94	64	3347	0.441	ug/L	97
16) Methylene chloride	3.06	84	1640	0.123	ug/L	71
25) Chloroform	5.11	83	3669	0.159	ug/L	95
33) Benzene	5.79	78	556360	12.024	ug/L	100
42) Toluene	7.98	91	902689	18.943	ug/L	99
51) Chlorobenzene	9.45	112	32006	1.082	ug/L	97
52) Ethylbenzene	9.57	91	126409	2.335	ug/L	100
53) m,p-Xylene	9.69	106	114279	5.928	ug/L	99
54) o-Xylene	10.10	106	34419	1.874	ug/L	94
56) Isopropylbenzene	10.48	105	7187	0.143	ug/L	96
63) 1,4-Dichlorobenzene	11.83	146	2552	0.110	ug/L	90
65) 1,2-Dichlorobenzene	12.20	146	2814	0.127	ug/L	95

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

Quant Time: Sep 29 09:01:17 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 29 07:18:40 2020
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.441 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040343.D

Acq: 28 Sep 2020 19:52

Instrument :

MSVOA_U

ClientSampleId :

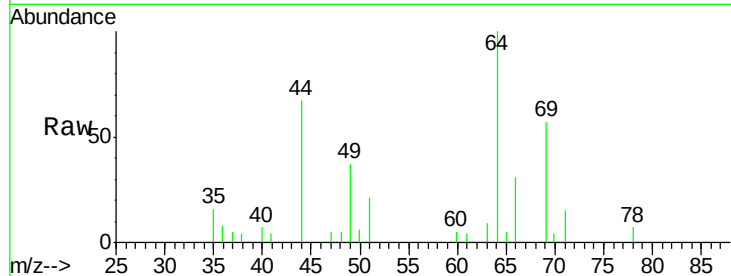
BG494DL

Tot Ion: 64 Resp: 3347

Ion Ratio Lower Upper

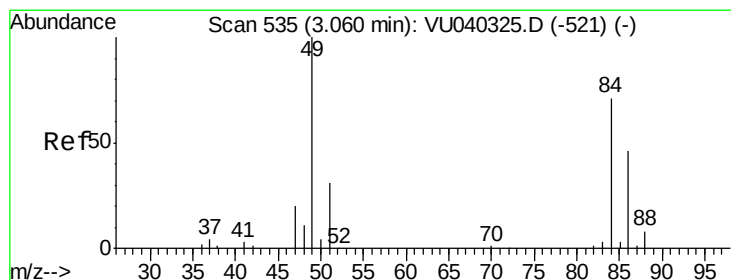
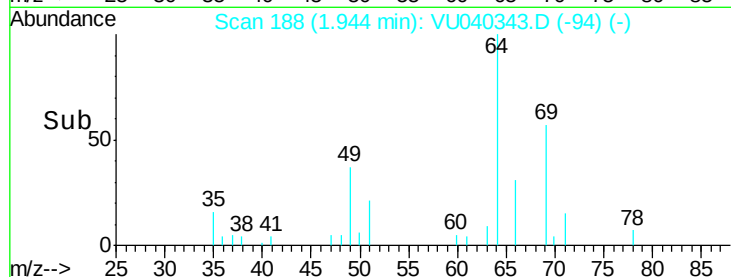
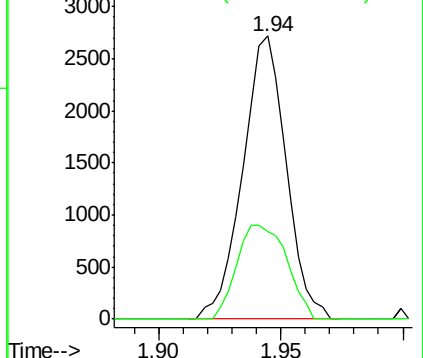
64 100

66 30.9 22.7 42.1



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#16

Methylene chloride

Concen: 0.123 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU040343.D

Acq: 28 Sep 2020 19:52

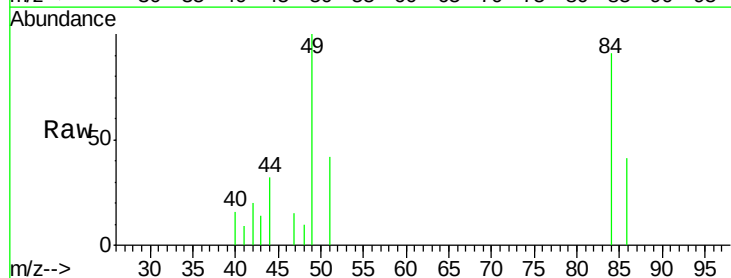
Tgt Ion: 84 Resp: 1640

Ion Ratio Lower Upper

84 100

86 45.4 45.2 84.0

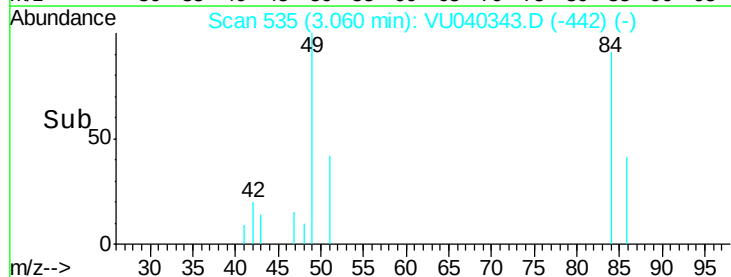
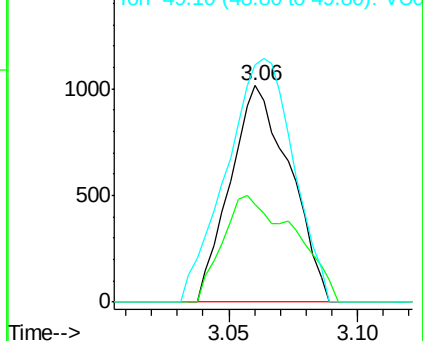
49 109.4 104.0 193.2

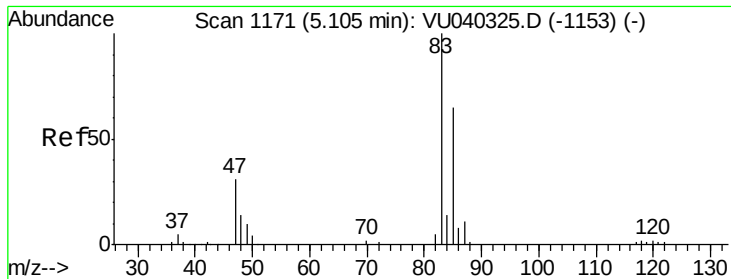


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

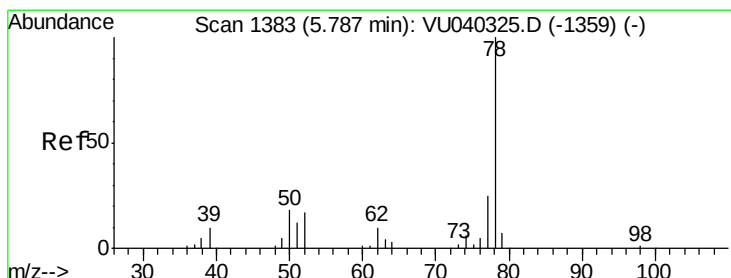
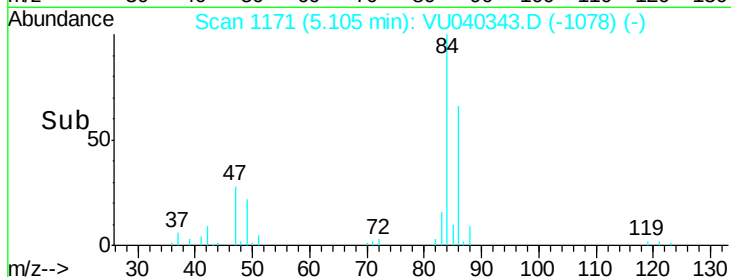
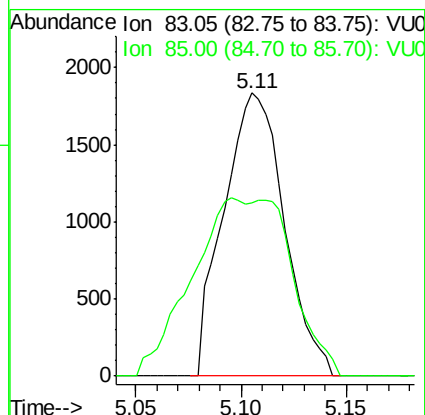
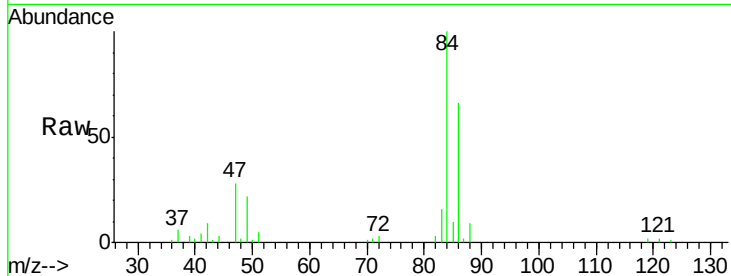




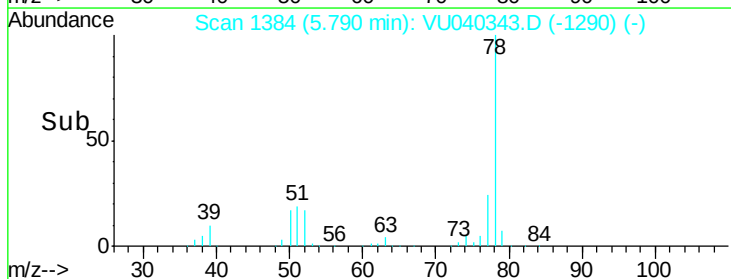
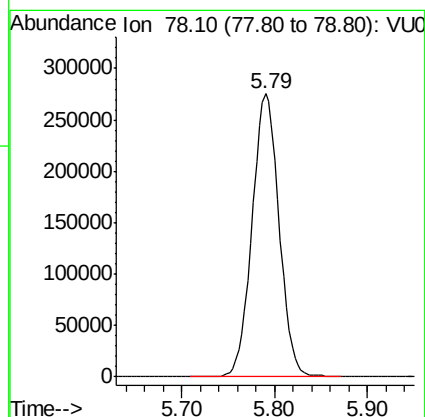
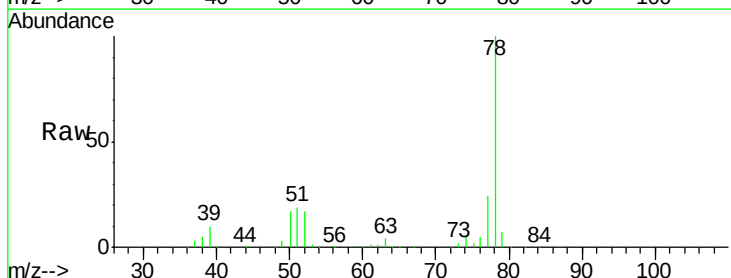
#25
Chloroform
Concen: 0.159 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040343.D
Acq: 28 Sep 2020 19:52

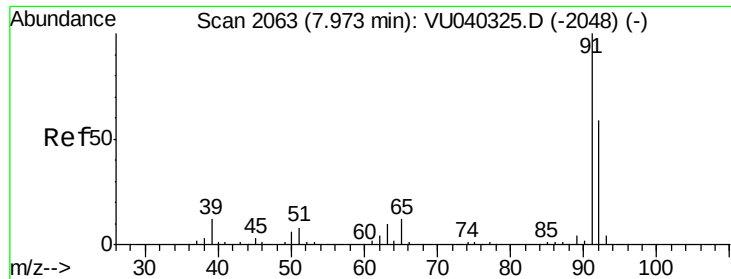
Instrument :
MSVOA_U
ClientSampleId :
BG494DL

Tot Ion: 83 Resp: 3669
Ion Ratio Lower Upper
83 100
85 61.1 45.3 84.1



#33
Benzene
Concen: 12.024 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU040343.D
Acq: 28 Sep 2020 19:52
Tgt Ion: 78 Resp: 556360





#42

Toluene

Concen: 18.943 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040343.D

Acq: 28 Sep 2020 19:52

Instrument :

MSVOA_U

ClientSampled :

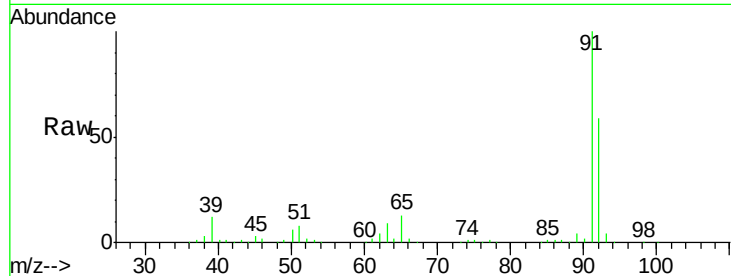
BG494DL

Tot Ion: 91 Resp: 902689

Ion Ratio Lower Upper

91 100

92 58.8 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU040325.D (-2048) (-)

Ion 92.15 (91.85 to 92.85): VU040325.D (-2048) (-)

7.98

600000

500000

400000

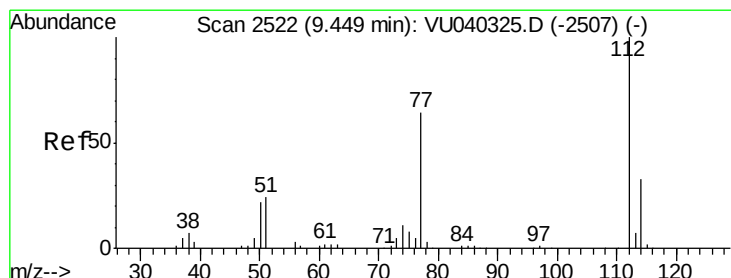
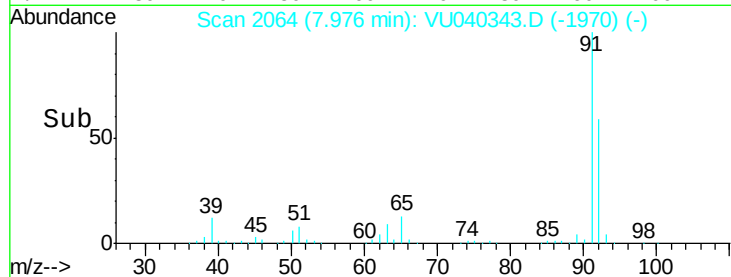
300000

200000

100000

0

Time-->



#51

Chlorobenzene

Concen: 1.082 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU040343.D

Acq: 28 Sep 2020 19:52

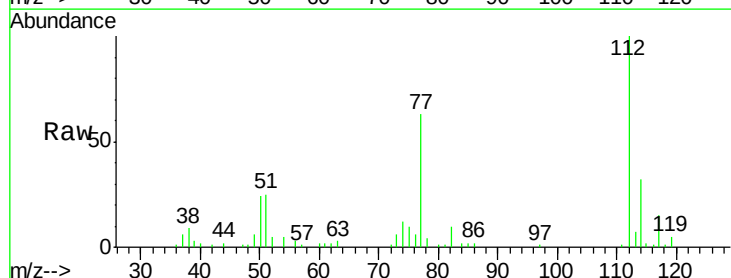
Tgt Ion: 112 Resp: 32006

Ion Ratio Lower Upper

112 100

114 31.6 22.7 42.3

77 63.3 53.2 79.8



Abundance Ion 112.10 (111.80 to 112.80): VU040325.D (-2507) (-)

Ion 114.05 (113.75 to 114.75): VU040325.D (-2507) (-)

Ion 77.10 (76.80 to 77.80): VU040325.D (-2507) (-)

9.45

25000

20000

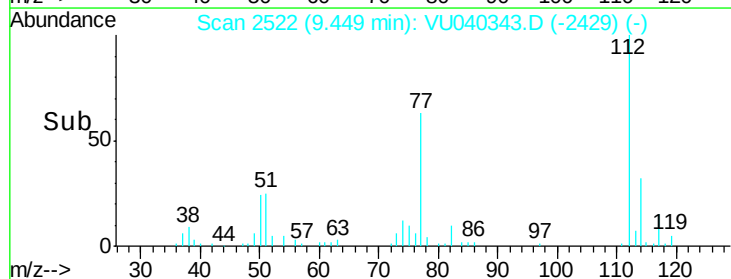
15000

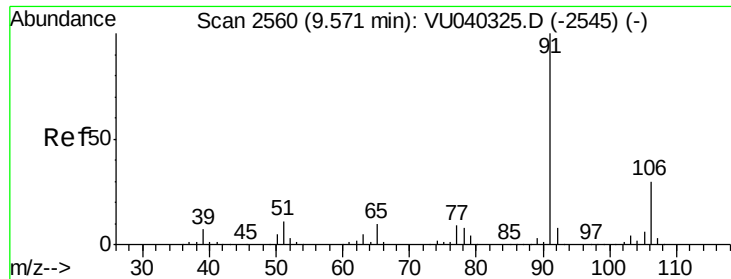
10000

5000

0

Time-->





#52

Ethylbenzene

Concen: 2.335 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040343.D

Acq: 28 Sep 2020 19:52

Instrument :

MSVOA_U

ClientSampleId :

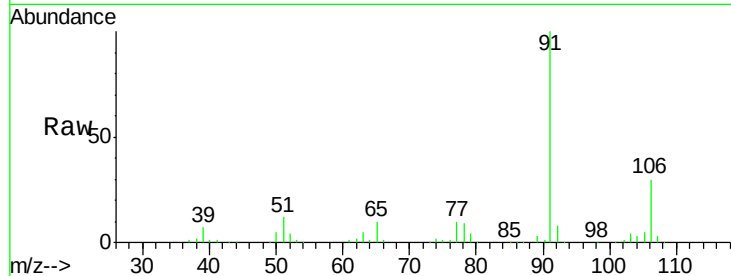
BG494DL

Tot Ion: 91 Resp: 126409

Ion Ratio Lower Upper

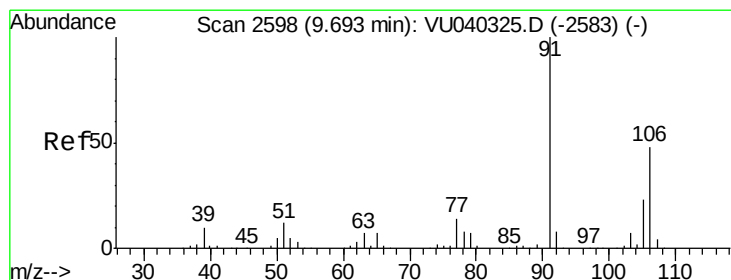
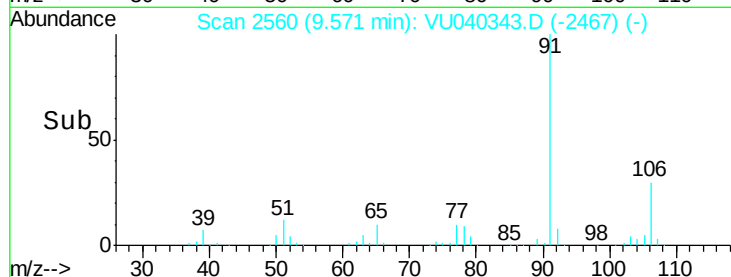
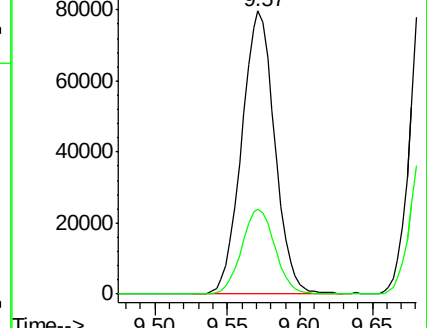
91 100

106 30.1 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU040325.D (-2545) (-)

Ion 106.15 (105.85 to 106.85): VU040325.D (-2545) (-)



#53

m,p-Xylene

Concen: 5.928 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040343.D

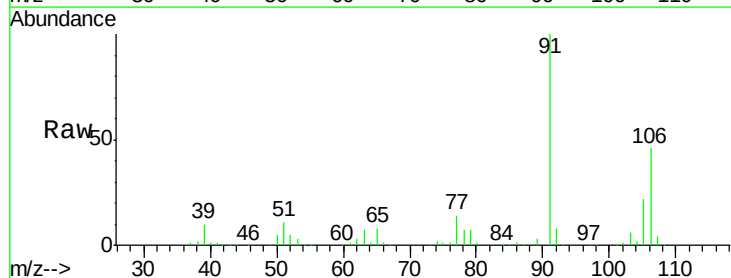
Acq: 28 Sep 2020 19:52

Tgt Ion: 106 Resp: 114279

Ion Ratio Lower Upper

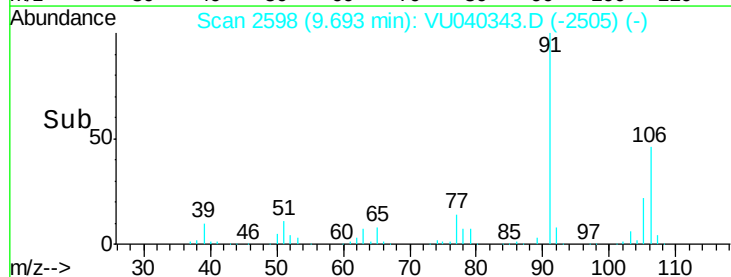
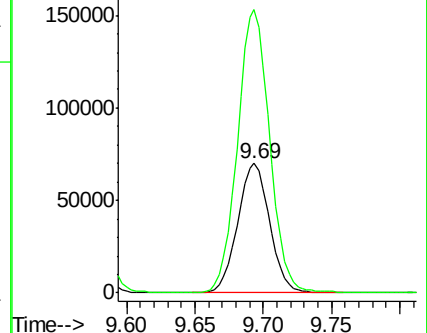
106 100

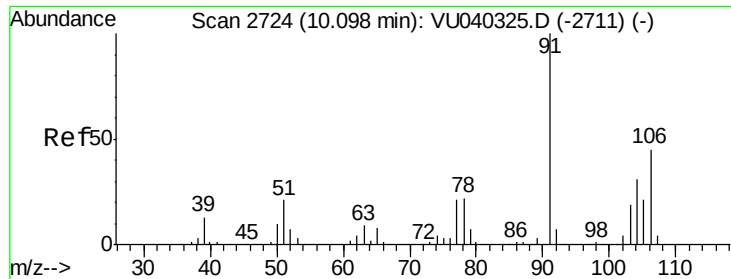
91 218.2 151.7 281.7



Abundance Ion 106.15 (105.85 to 106.85): VU040325.D (-2583) (-)

Ion 91.15 (90.85 to 91.85): VU040325.D (-2583) (-)

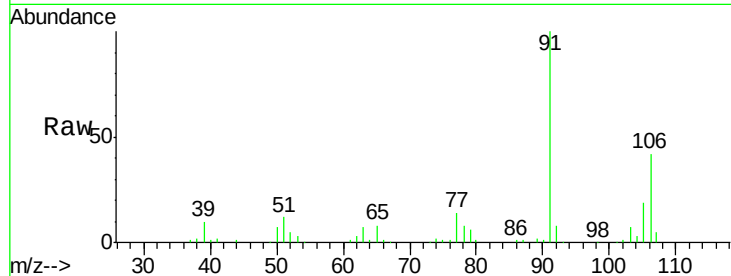




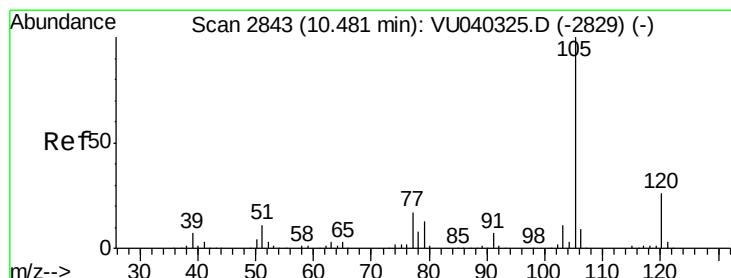
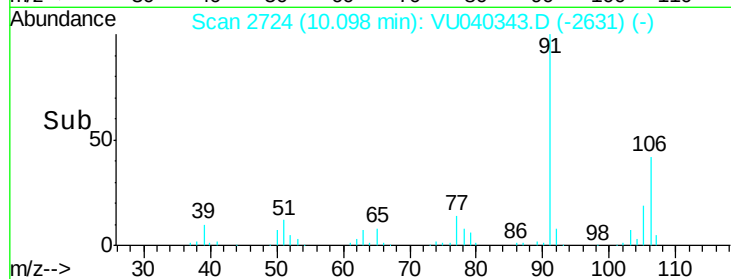
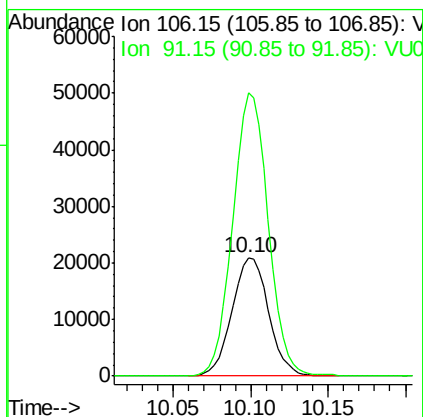
#54
o-Xylene
Concen: 1.874 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU040343.D
Acq: 28 Sep 2020 19:52

Instrument :
MSVOA_U
ClientSampleId :
BG494DL

Tot Ion:106 Resp: 34419
Ion Ratio Lower Upper
106 100
91 239.0 160.8 298.6

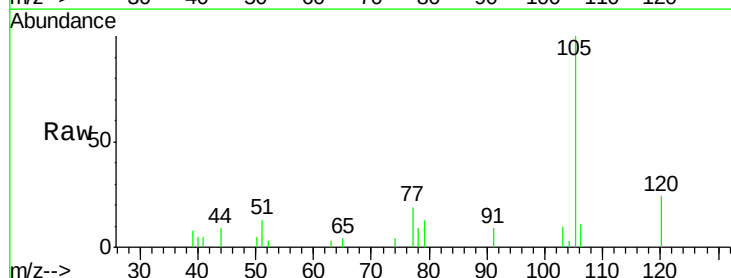


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

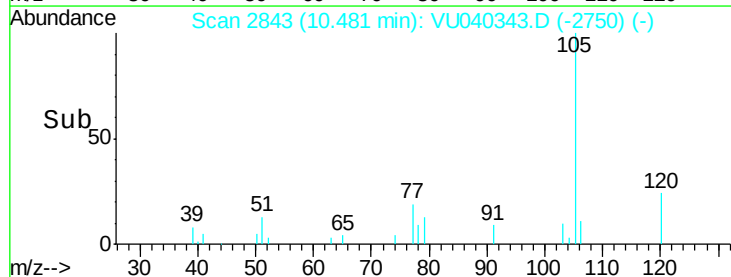
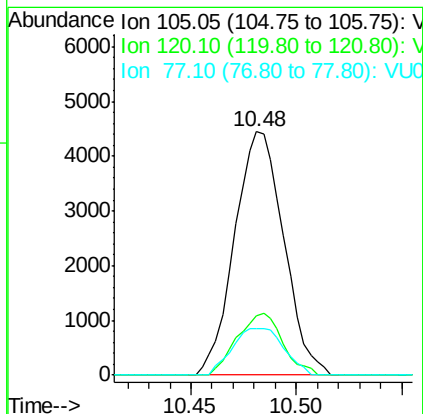


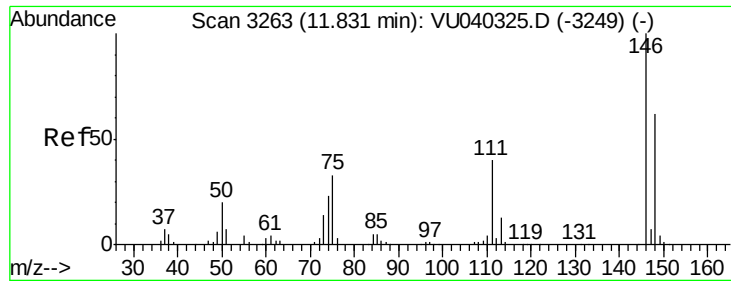
#56
Isopropylbenzene
Concen: 0.143 ug/L
RT: 10.48 min Scan# 2843
Delta R.T. 0.00 min
Lab File: VU040343.D
Acq: 28 Sep 2020 19:52

Tgt Ion:105 Resp: 7187
Ion Ratio Lower Upper
105 100
120 23.5 20.1 30.1
77 20.1 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

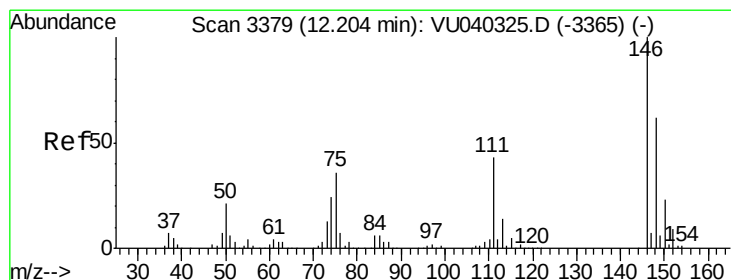
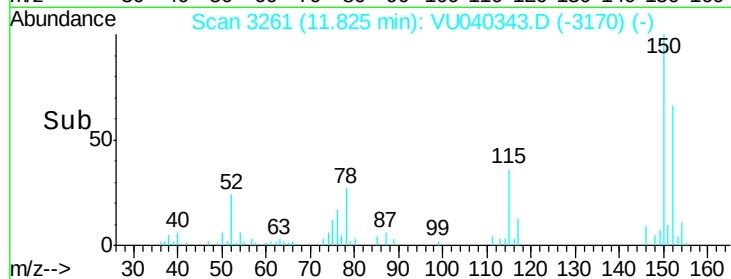
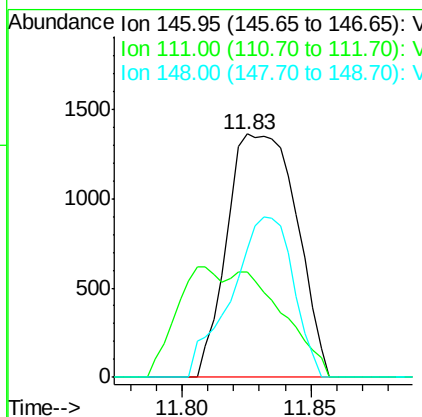
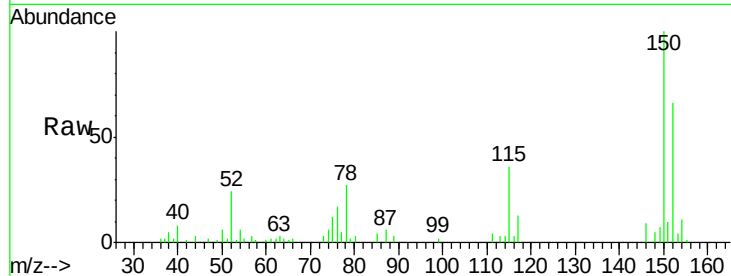




#63
 1,4-Dichlorobenzene
 Concen: 0.110 ug/L
 RT: 11.83 min Scan# 3261
 Delta R.T. -0.01 min
 Lab File: VU040343.D
 Acq: 28 Sep 2020 19:52

Instrument :
 MSVOA_U
 ClientSampled :
 BG494DL

Tot Ion:146 Resp: 2552
 Ion Ratio Lower Upper
 146 100
 111 43.1 30.5 56.7
 148 52.7 45.4 84.4



#65
 1,2-Dichlorobenzene
 Concen: 0.127 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. 0.00 min
 Lab File: VU040343.D
 Acq: 28 Sep 2020 19:52

Tgt Ion:146 Resp: 2814
 Ion Ratio Lower Upper
 146 100
 111 47.2 36.5 54.7
 148 55.2 48.6 72.8

