

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120920\
 Data File : VU041511.D
 Acq On : 09 Dec 2020 13:50
 Operator : SY/MD
 Sample : L4979-15MS
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB1G4MS

Quant Time: Dec 10 06:32:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Dec 10 04:45:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	57327	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	57799	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	30464	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	9024	3.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	61.40%
7) Chloroethane-d5	1.92	69	9674	3.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.80%
11) 1,1-Dichloroethene-d2	2.58	63	25995	3.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.00%
20) 2-Butanone-d5	4.66	46	39619	35.88	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	71.76%
24) Chloroform-d	5.08	84	30509	3.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.00%
26) 1,2-Dichloroethane-d4	5.72	65	22269	4.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.60%
32) Benzene-d6	5.74	84	48624	3.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.60%
36) 1,2-Dichloropropane-d6	6.70	67	13984	3.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	74.20%
41) Toluene-d8	7.90	98	44603	3.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.80%
43) trans-1,3-Dichloropropene-	8.19	79	8739	3.92	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.40%
46) 2-Hexanone-d5	8.64	63	31983	34.45	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	68.90%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	15095	3.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	72.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	23140	4.44	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.80%

Target Compounds

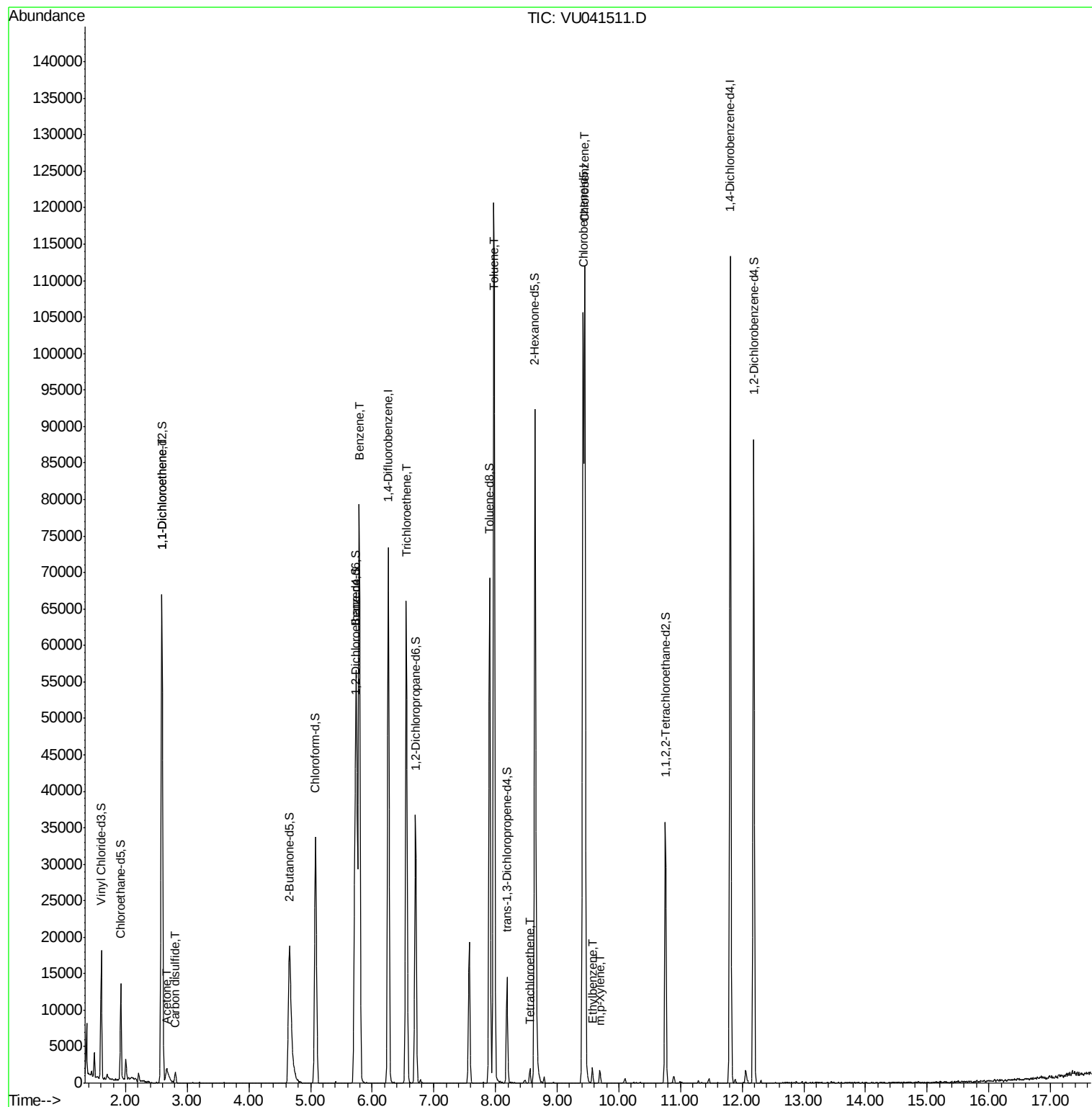
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.59	96	15828	4.716	ug/L	87
13) Acetone	2.66	43	5144	5.984	ug/L	83
14) Carbon disulfide	2.81	76	1861	0.180	ug/L #	82
33) Benzene	5.79	78	72031	5.035	ug/L	100
34) Trichloroethene	6.56	95	21757	5.039	ug/L	94
42) Toluene	7.98	91	86360	5.363	ug/L	98
47) Tetrachloroethene	8.55	164	469	0.138	ug/L	84
51) Chlorobenzene	9.45	112	56987	5.311	ug/L	97
52) Ethylbenzene	9.57	91	1966	0.107	ug/L	98
53) m,p-Xylene	9.69	106	469	0.070	ug/L	90

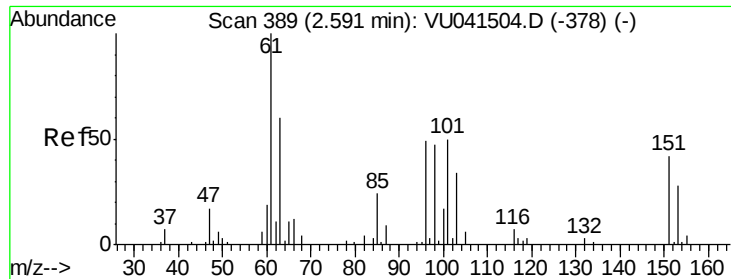
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120420WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Dec 10 04:45:04 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 4.716 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041511.D

Acq: 09 Dec 2020 13:50

Instrument :

MSVOA_U

ClientSampleId :

GB1G4MS

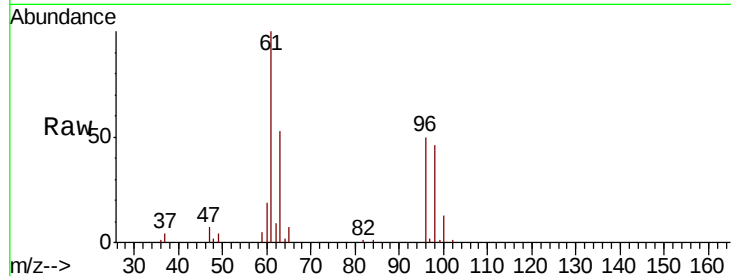
Tot Ion: 96 Resp: 15828

Ion Ratio Lower Upper

96 100

61 200.9 127.8 237.4

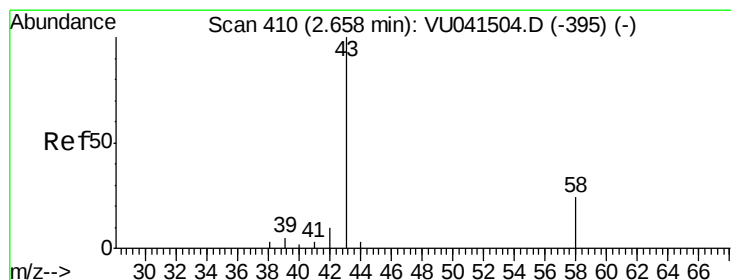
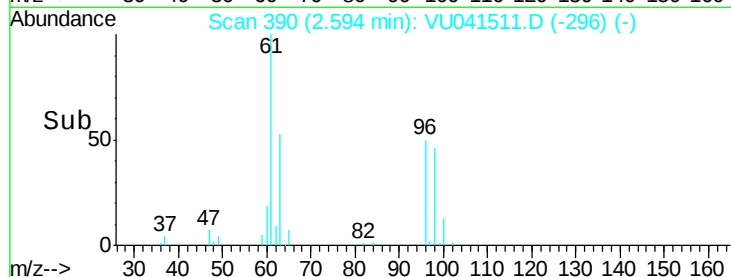
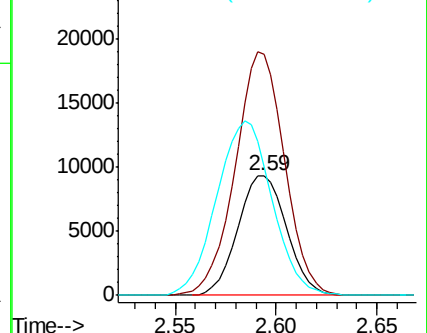
63 107.2 86.2 160.0



Abundance Ion 96.00 (95.70 to 96.70): VU041511.D (-296) (-)

Ion 61.05 (60.75 to 61.75): VU041511.D (-296) (-)

Ion 63.00 (62.70 to 63.70): VU041511.D (-296) (-)



#13

Acetone

Concen: 5.984 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.01 min

Lab File: VU041511.D

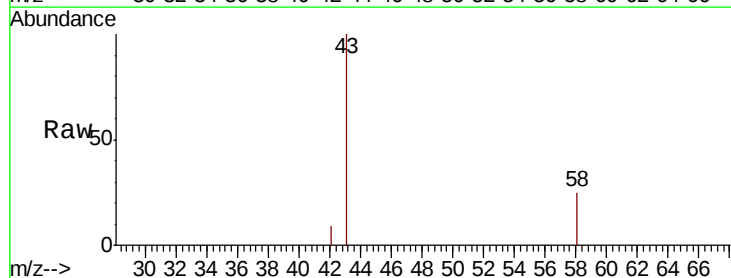
Acq: 09 Dec 2020 13:50

Tgt Ion: 43 Resp: 5144

Ion Ratio Lower Upper

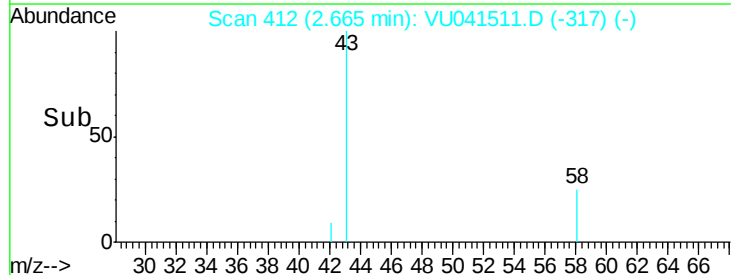
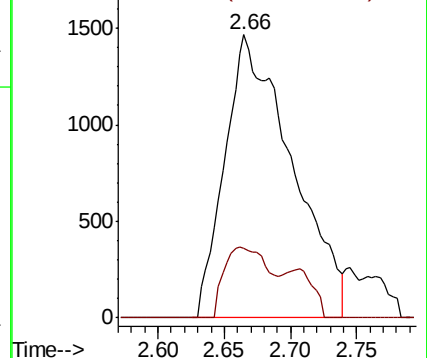
43 100

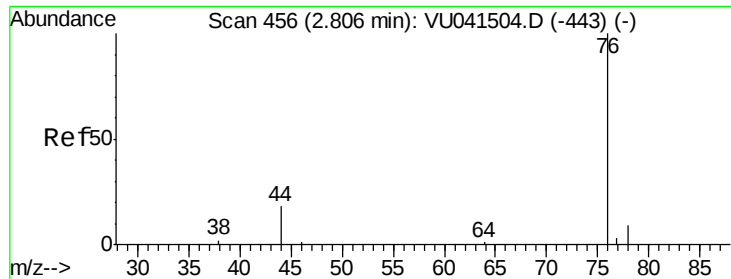
58 16.5 0.0 50.0



Abundance Ion 43.05 (42.75 to 43.75): VU041511.D (-317) (-)

Ion 58.05 (57.75 to 58.75): VU041511.D (-317) (-)

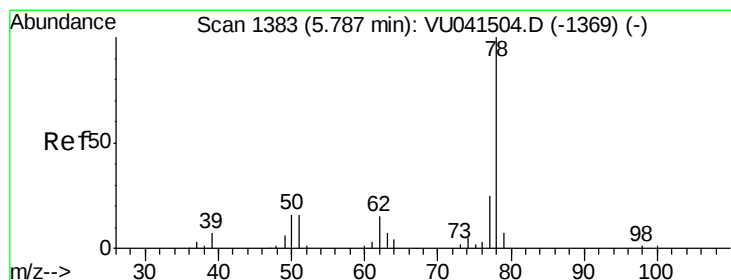
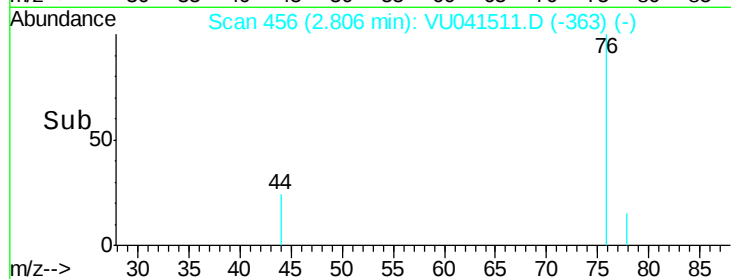
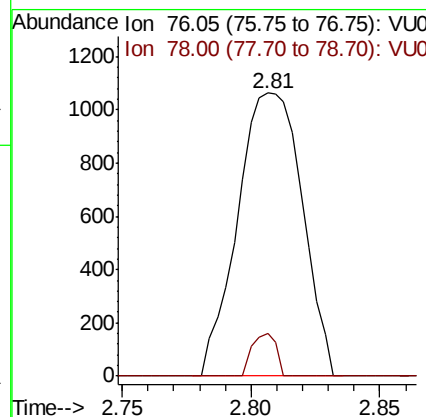
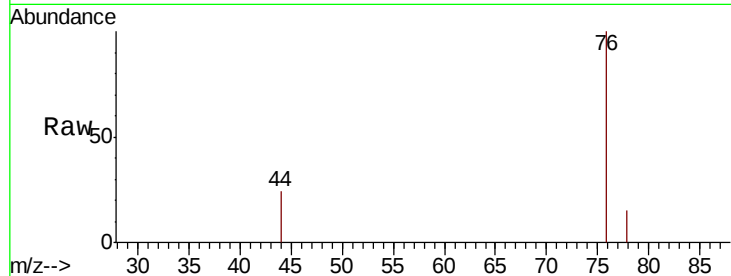




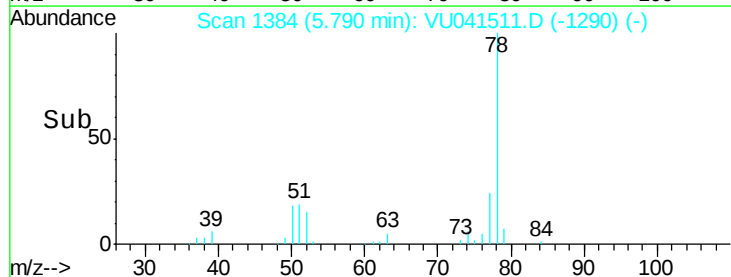
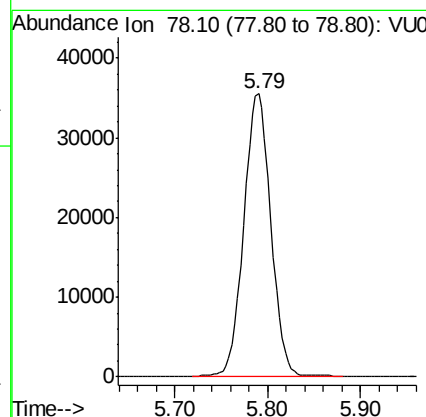
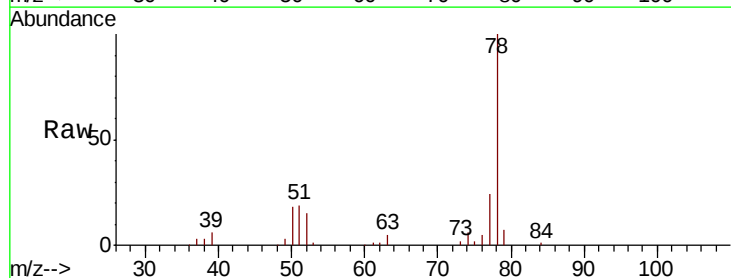
#14
Carbon disulfide
Concen: 0.180 ug/L
RT: 2.81 min Scan# 456
Delta R.T. 0.00 min
Lab File: VU041511.D
Acq: 09 Dec 2020 13:50

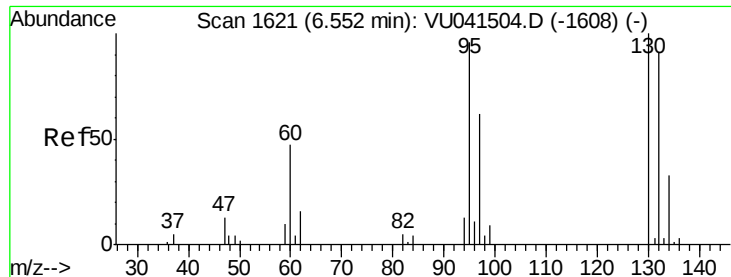
Instrument :
MSVOA_U
ClientSampleId :
GB1G4MS

Tot Ion: 76 Resp: 1861
Ion Ratio Lower Upper
76 100
78 15.1 6.8 10.2#



#33
Benzene
Concen: 5.035 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU041511.D
Acq: 09 Dec 2020 13:50
Tgt Ion: 78 Resp: 72031

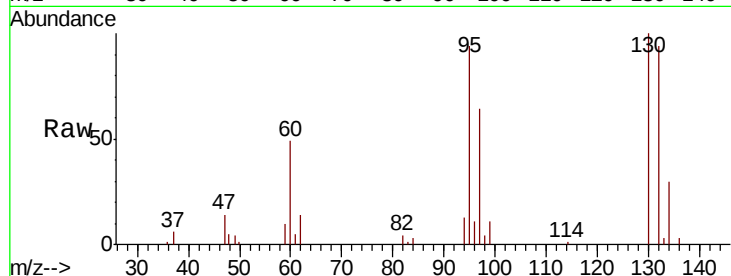




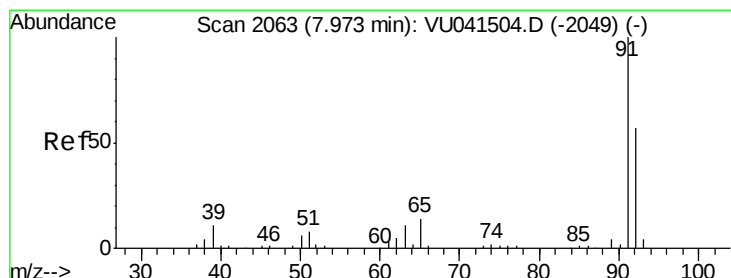
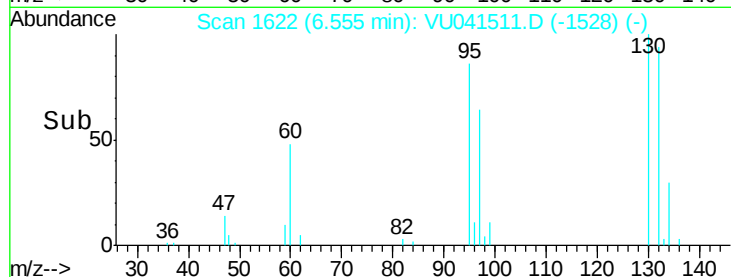
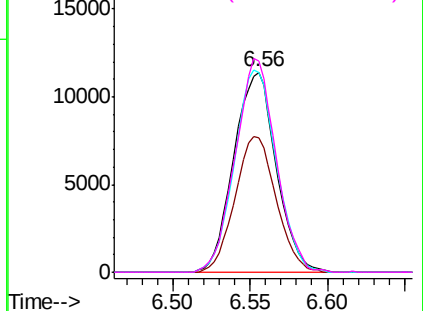
#34
 Trichloroethene
 Concen: 5.039 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU041511.D
 Acq: 09 Dec 2020 13:50

Instrument :
 MSVOA_U
 ClientSampleId :
 GB1G4MS

Tot Ion: 95 Resp: 21757
 Ion Ratio Lower Upper
 95 100
 97 67.4 44.7 83.1
 132 100.0 65.7 121.9
 130 106.0 68.8 127.8

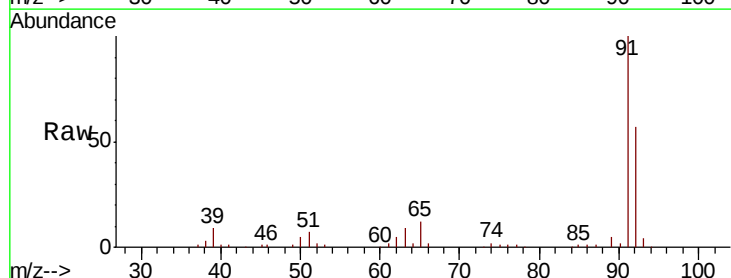


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

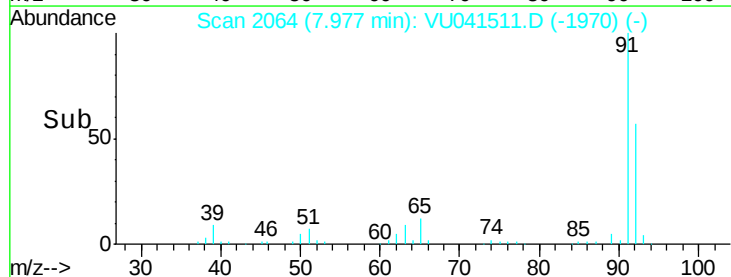
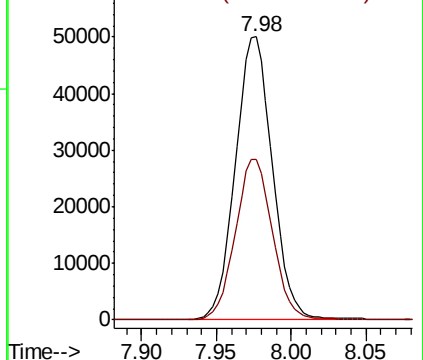


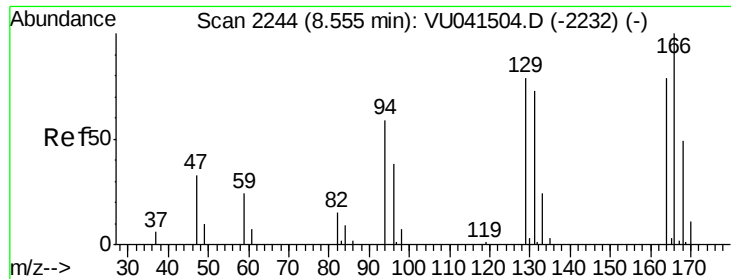
#42
 Toluene
 Concen: 5.363 ug/L
 RT: 7.98 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VU041511.D
 Acq: 09 Dec 2020 13:50

Tgt Ion: 91 Resp: 86360
 Ion Ratio Lower Upper
 91 100
 92 56.5 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VU0
 Ion 92.15 (91.85 to 92.85): VU0

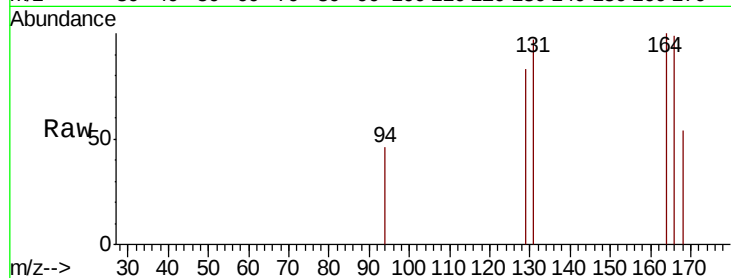




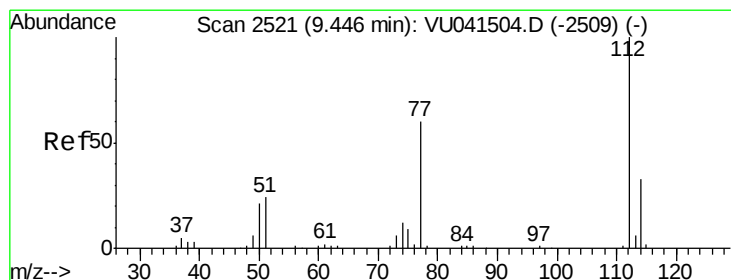
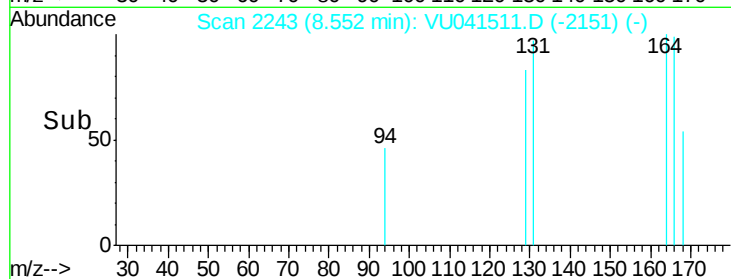
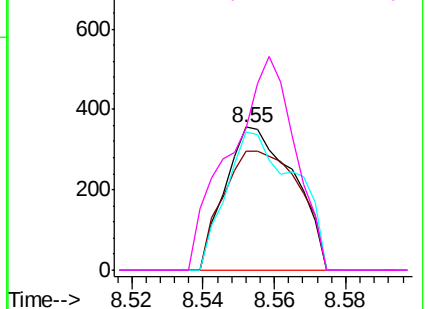
#47
Tetrachloroethene
Concen: 0.138 ug/L
RT: 8.55 min Scan# 2243
Delta R.T. -0.00 min
Lab File: VU041511.D
Acq: 09 Dec 2020 13:50

Instrument :
MSVOA_U
ClientSampleId :
GB1G4MS

Tot Ion:164 Resp: 469
Ion Ratio Lower Upper
164 100
129 82.9 67.1 124.7
131 96.9 63.3 117.7
166 98.9 88.8 164.8

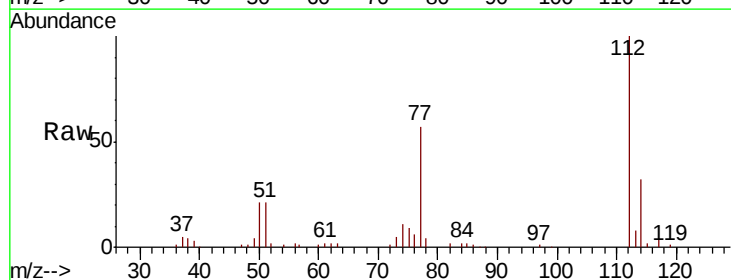


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

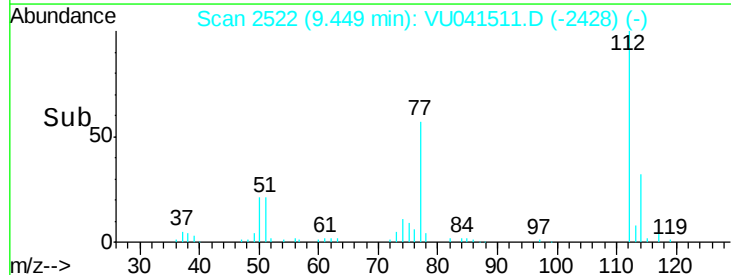
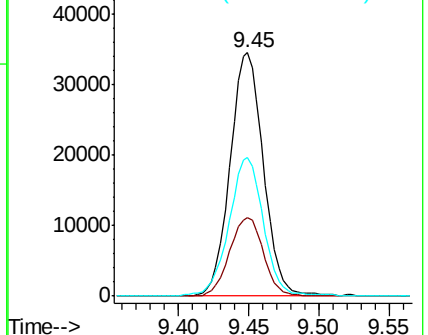


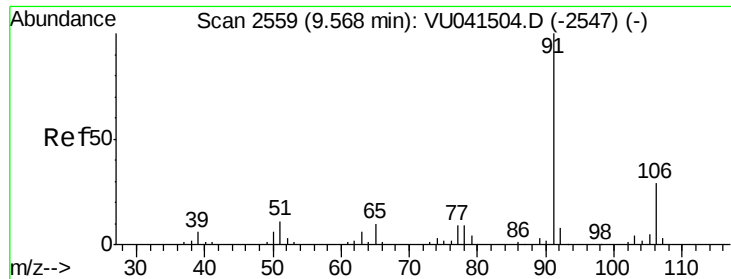
#51
Chlorobenzene
Concen: 5.311 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU041511.D
Acq: 09 Dec 2020 13:50

Tgt Ion:112 Resp: 56987
Ion Ratio Lower Upper
112 100
114 32.5 22.7 42.1
77 56.7 48.2 72.2



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 0.107 ug/L

RT: 9.57 min Scan# 2559

Delta R.T. 0.00 min

Lab File: VU041511.D

Acq: 09 Dec 2020 13:50

Instrument :

MSVOA_U

ClientSampleId :

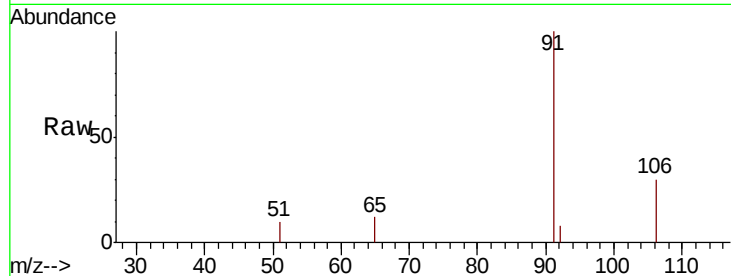
GB1G4MS

Tot Ion: 91 Resp: 1966

Ion Ratio Lower Upper

91 100

106 30.1 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU041511.D (-2505) (-)

Ion 106.15 (105.85 to 106.85): VU041511.D (-2505) (-)

9.57

1500

1000

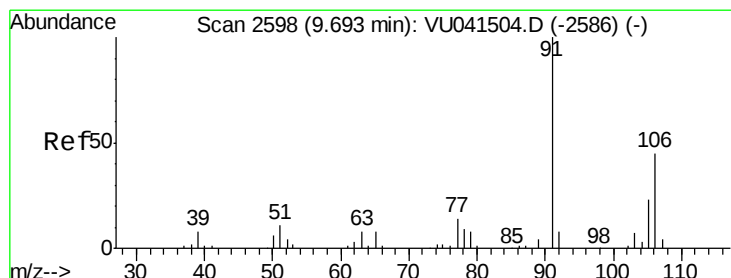
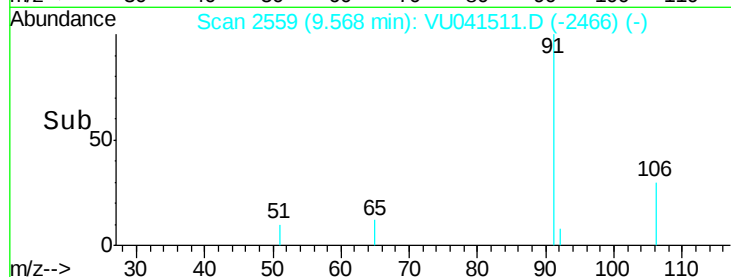
500

0

Time-->

9.55

9.60



#53

m,p-Xylene

Concen: 0.070 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041511.D

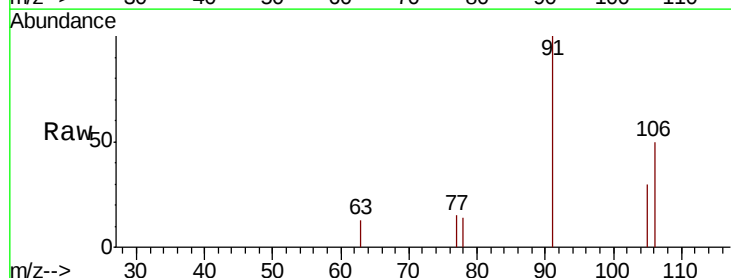
Acq: 09 Dec 2020 13:50

Tgt Ion: 106 Resp: 469

Ion Ratio Lower Upper

106 100

91 200.8 151.8 282.0



Abundance Ion 106.15 (105.85 to 106.85): VU041511.D (-2505) (-)

Ion 91.15 (90.85 to 91.85): VU041511.D (-2505) (-)

9.69

1000

800

600

400

200

0

Time-->

9.66

9.68

9.70

9.72

