

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072120\
 Data File : VU039603.D
 Acq On : 21 Jul 2020 17:42
 Operator : SY/MD
 Sample : L3348-10MSD
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 22 02:06:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 22 02:01:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	106851	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	102053	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	46553	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	32169	6.49	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	129.80%
7) Chloroethane-d5	1.92	69	33871	6.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	125.20%
11) 1,1-Dichloroethene-d2	2.58	63	70444	6.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	126.40%#
20) 2-Butanone-d5	4.66	46	121568	54.34	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.68%
24) Chloroform-d	5.08	84	65206	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
26) 1,2-Dichloroethane-d4	5.72	65	43609	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.00%
32) Benzene-d6	5.75	84	130781	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.60%
36) 1,2-Dichloropropane-d6	6.70	67	42639	5.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.60%
41) Toluene-d8	7.91	98	120382	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
43) trans-1,3-Dichloropropene-	8.19	79	16657	4.74	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.80%
46) 2-Hexanone-d5	8.64	63	89163	51.94	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.88%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	36344	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	44628	5.33	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.59	96	29760	5.889	ug/L	94
13) Acetone	2.67	43	2211	1.776	ug/L	94
14) Carbon disulfide	2.81	76	1627	0.107	ug/L #	75
25) Chloroform	5.10	83	4633	0.353	ug/L #	73
27) 1,2-Dichloroethane	5.79	62	1852	0.208	ug/L #	76
33) Benzene	5.79	78	152809	6.231	ug/L	100
34) Trichloroethene	6.56	95	40101	5.938	ug/L	95
35) Methylcyclohexane	6.78	83	2725	0.275	ug/L	89
37) 1,2-Dichloropropane	6.70	63	5441	0.797	ug/L #	90
39) cis-1,3-Dichloropropene	7.58	75	1333	0.136	ug/L #	69
42) Toluene	7.98	91	174067	6.484	ug/L	98
48) 2-Hexanone	8.69	43	4317	1.095	ug/L #	81
51) Chlorobenzene	9.45	112	100157	5.829	ug/L	98
52) Ethylbenzene	9.57	91	6960	0.228	ug/L	91
53) m,p-Xylene	9.70	106	2290	0.201	ug/L	86
54) o-Xylene	10.10	106	2272	0.204	ug/L	86
59) 1,2,3-Trichloropropane	11.81	75	7734	1.545	ug/L	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072120\
Data File : VU039603.D
Acq On : 21 Jul 2020 17:42
Operator : SY/MD
Sample : L3348-10MSD
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jul 22 02:06:40 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 22 02:01:33 2020
Response via : Initial Calibration

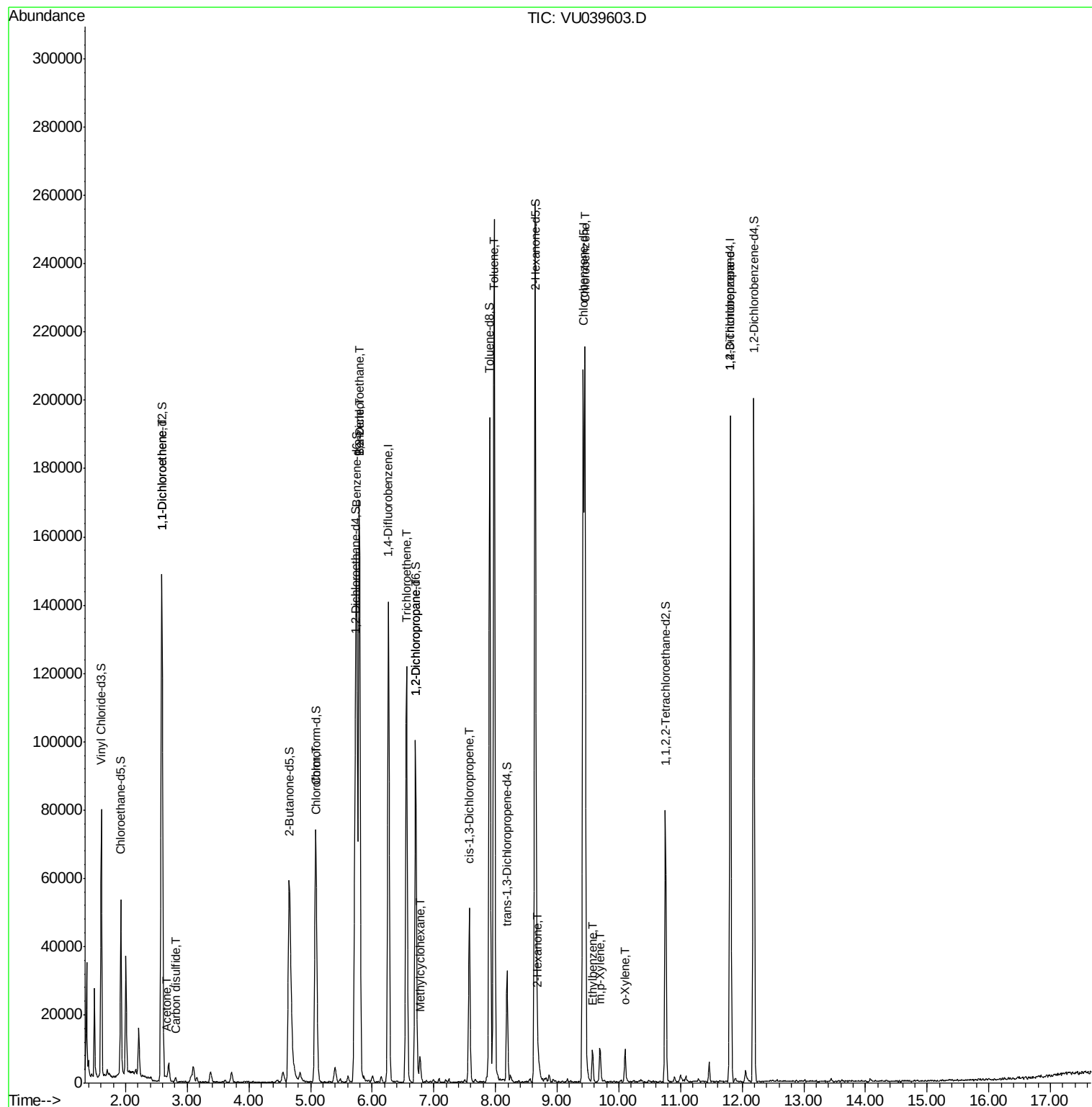
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

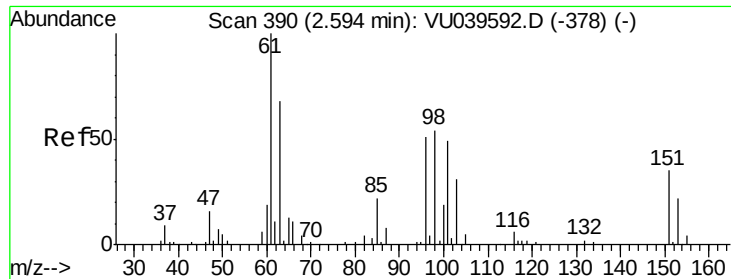
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072120\
Data File : VU039603.D
Acq On : 21 Jul 2020 17:42
Operator : SY/MD
Sample : L3348-10MSD
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jul 22 02:06:40 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 22 02:01:33 2020
Response via : Initial Calibration

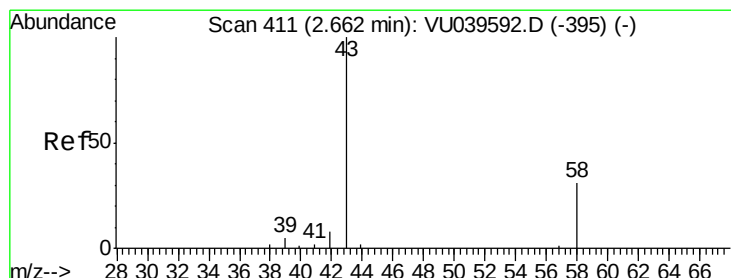
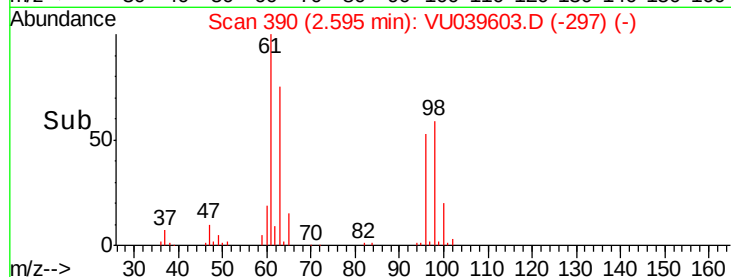
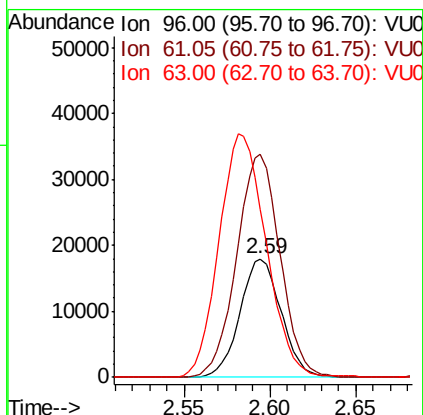
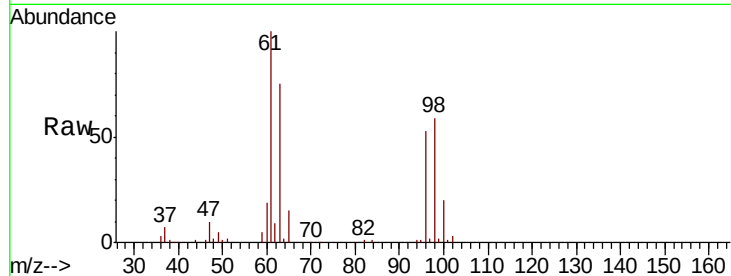




#12
 1,1-Dichloroethene
 Concen: 5.889 ug/L
 RT: 2.59 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VU039603.D
 Acq: 21 Jul 2020 17:42

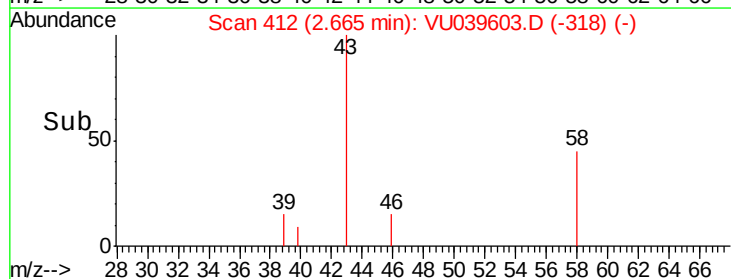
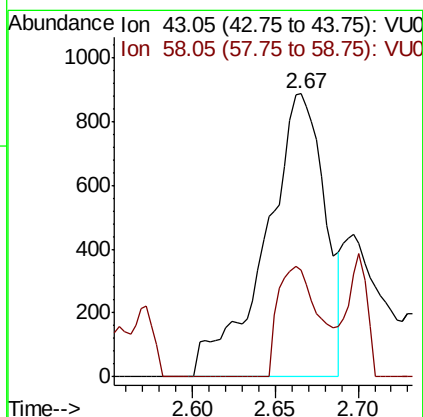
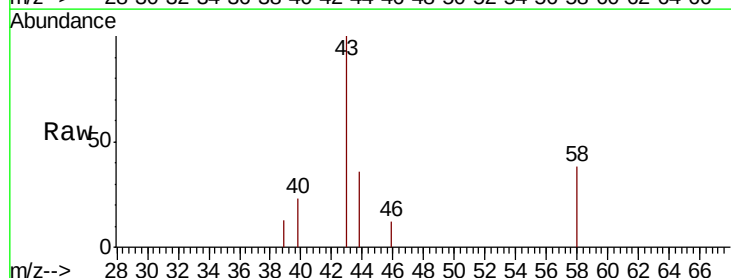
Instrument :
 MSVOA_U
 ClientSampleId :

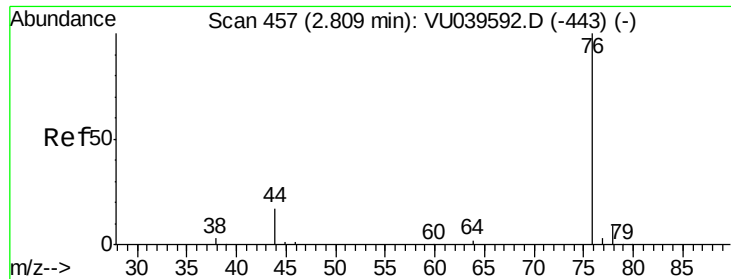
Tot Ion: 96 Resp: 29760
 Ion Ratio Lower Upper
 96 100
 61 188.0 129.1 239.7
 63 141.6 89.7 166.7



#13
 Acetone
 Concen: 1.776 ug/L
 RT: 2.67 min Scan# 412
 Delta R.T. 0.00 min
 Lab File: VU039603.D
 Acq: 21 Jul 2020 17:42

Tgt Ion: 43 Resp: 2211
 Ion Ratio Lower Upper
 43 100
 58 26.4 0.0 59.0





#14

Carbon disulfide

Concen: 0.107 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU039603.D

Acq: 21 Jul 2020 17:42

Instrument :

MSVOA_U

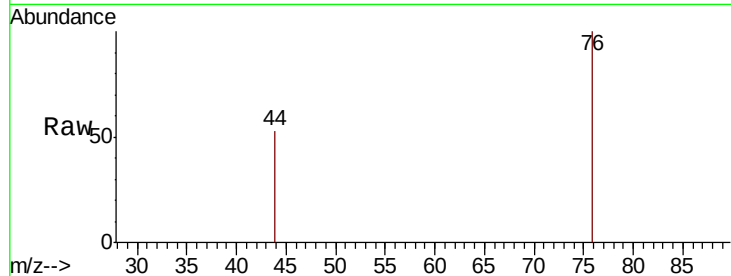
ClientSampled :

Tot Ion: 76 Resp: 1627

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



Abundance Ion 76.05 (75.75 to 76.75): VU039592.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU039592.D (-443) (-)

2.81

1200

1000

800

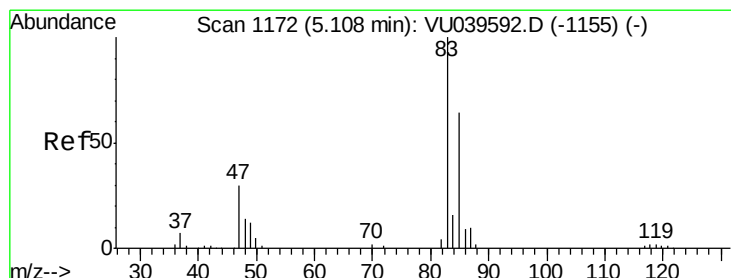
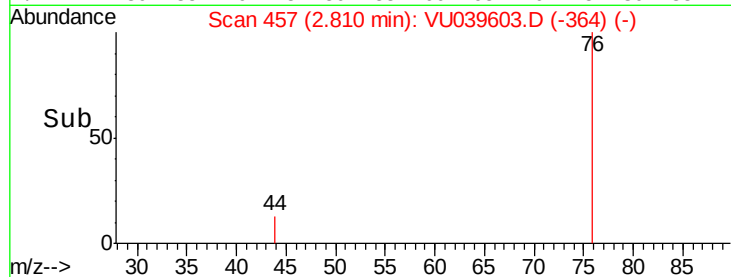
600

400

200

0

Time--> 2.75 2.80 2.85



#25

Chloroform

Concen: 0.353 ug/L

RT: 5.10 min Scan# 1170

Delta R.T. -0.01 min

Lab File: VU039603.D

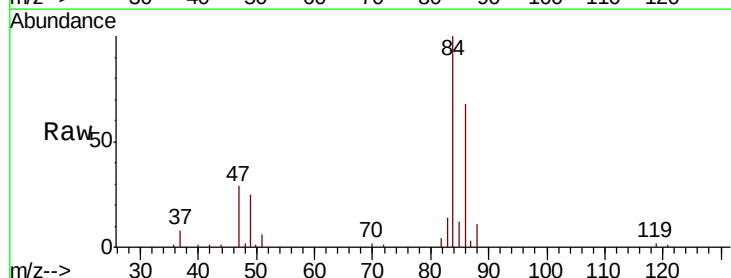
Acq: 21 Jul 2020 17:42

Tgt Ion: 83 Resp: 4633

Ion Ratio Lower Upper

83 100

85 84.8 44.4 82.5#



Abundance Ion 83.05 (82.75 to 83.75): VU039592.D (-1155) (-)

Ion 85.00 (84.70 to 85.70): VU039592.D (-1155) (-)

5.10

2000

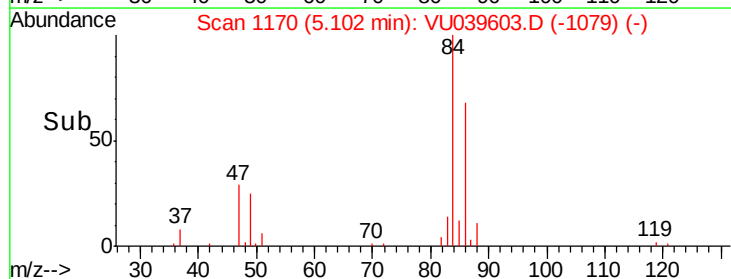
1500

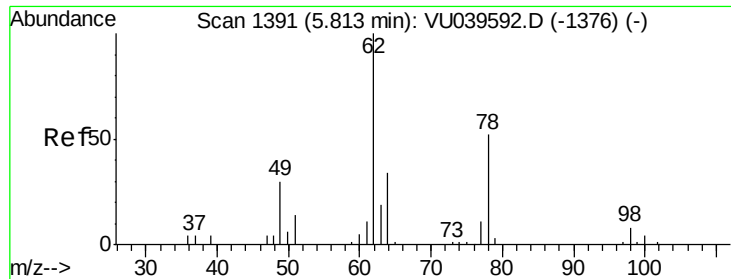
1000

500

0

Time--> 5.05 5.10 5.15

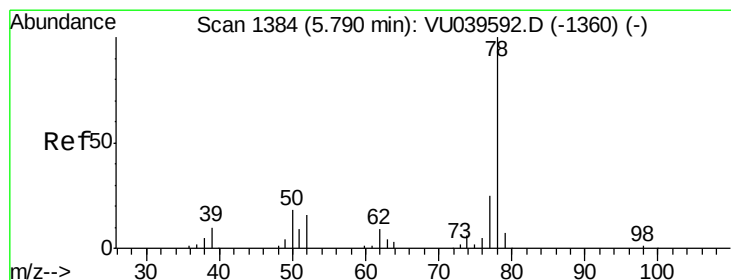
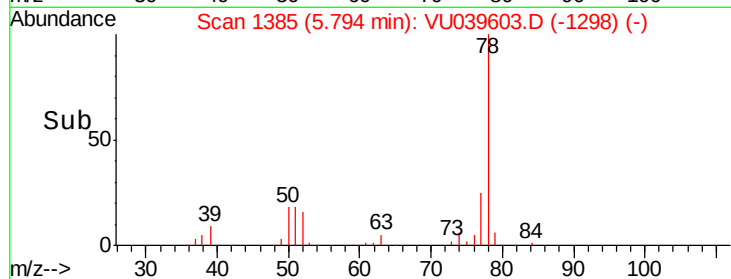
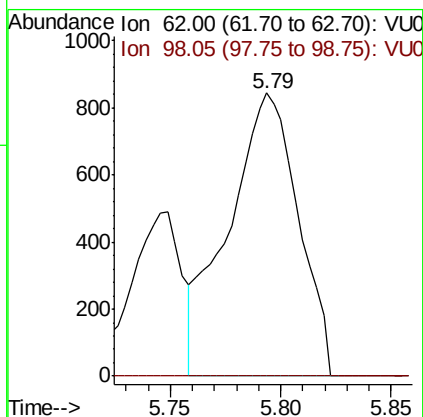
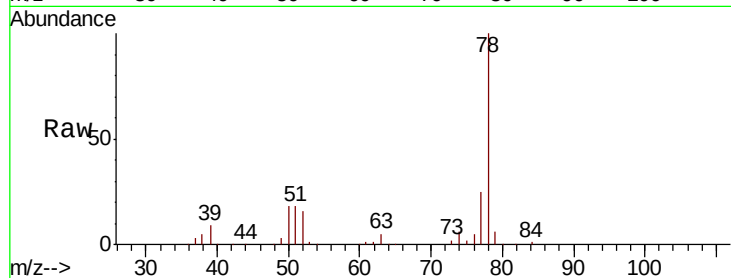




#27
 1,2-Dichloroethane
 Concen: 0.208 ug/L
 RT: 5.79 min Scan# 1385
 Delta R.T. -0.02 min
 Lab File: VU039603.D
 Acq: 21 Jul 2020 17:42

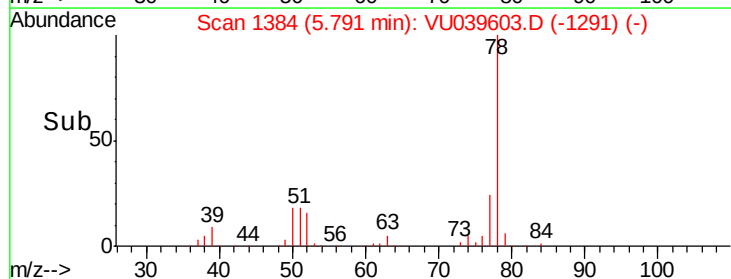
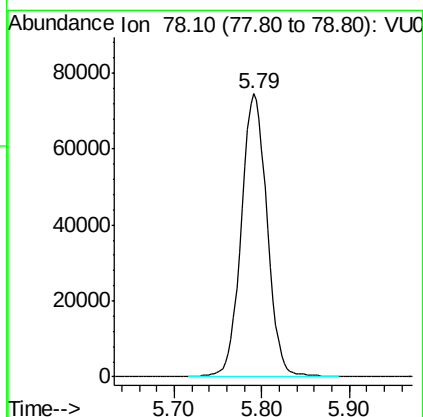
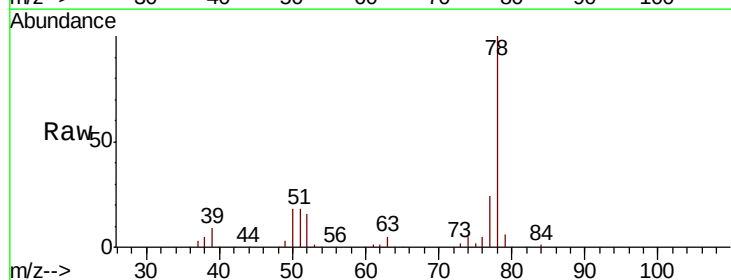
Instrument :
 MSVOA_U
 ClientSampled :

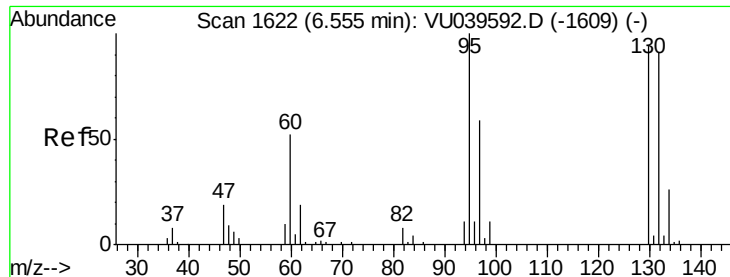
Tot Ion: 62 Resp: 1852
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.7 10.1#



#33
 Benzene
 Concen: 6.231 ug/L
 RT: 5.79 min Scan# 1384
 Delta R.T. 0.00 min
 Lab File: VU039603.D
 Acq: 21 Jul 2020 17:42

Tgt Ion: 78 Resp: 152809

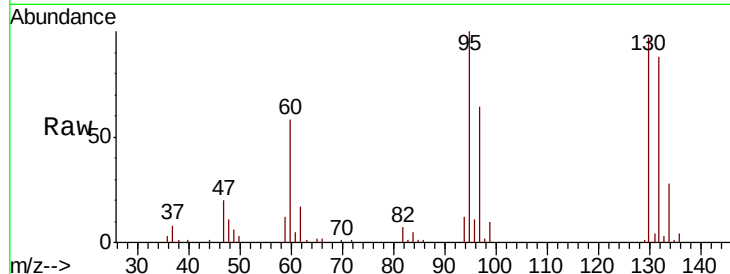




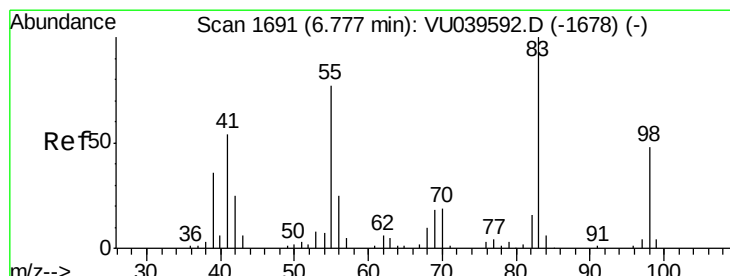
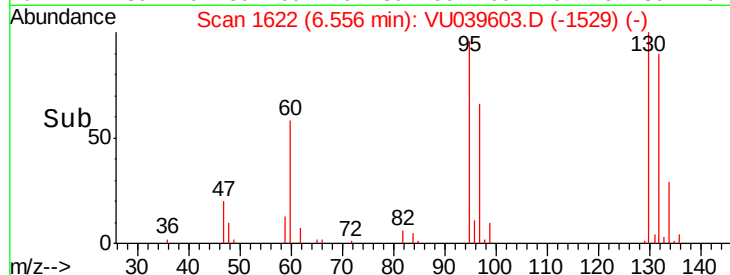
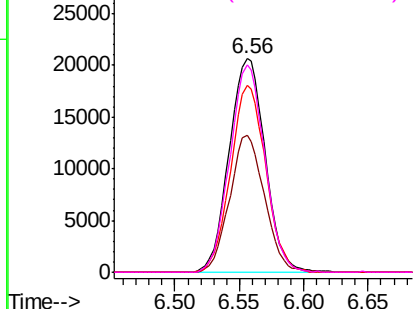
#34
 Trichloroethene
 Concen: 5.938 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU039603.D
 Acq: 21 Jul 2020 17:42

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 40101
 Ion Ratio Lower Upper
 95 100
 97 64.3 44.9 83.3
 132 87.5 62.8 116.6
 130 97.3 61.5 114.1

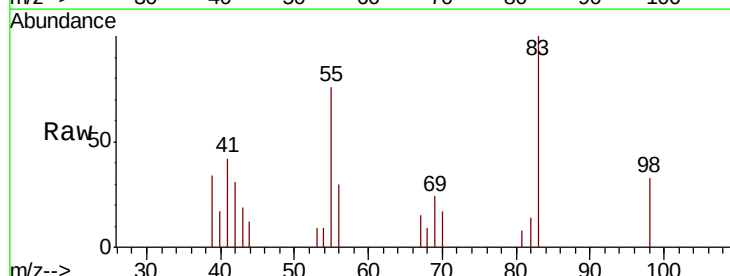


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

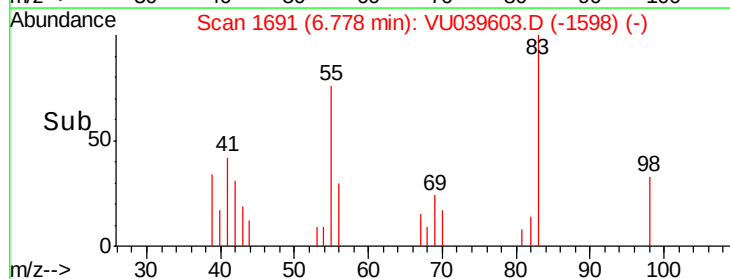
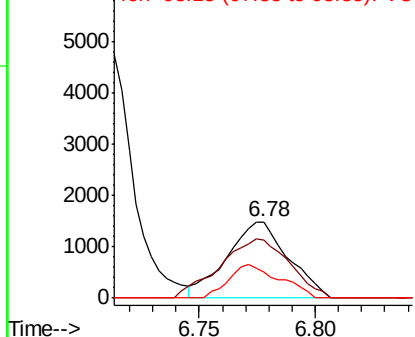


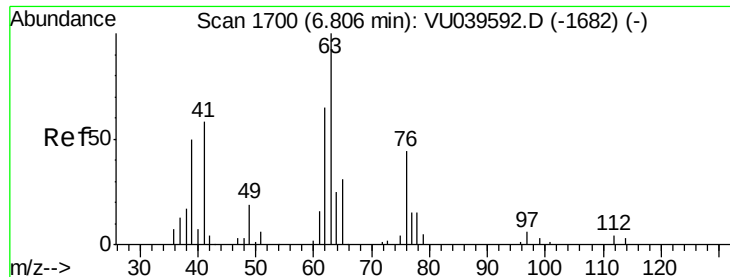
#35
 Methylcyclohexane
 Concen: 0.275 ug/L
 RT: 6.78 min Scan# 1691
 Delta R.T. 0.00 min
 Lab File: VU039603.D
 Acq: 21 Jul 2020 17:42

Tgt Ion: 83 Resp: 2725
 Ion Ratio Lower Upper
 83 100
 55 87.9 63.0 94.6
 98 36.8 35.3 52.9



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

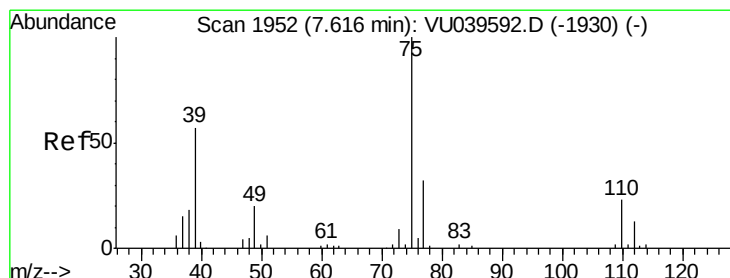
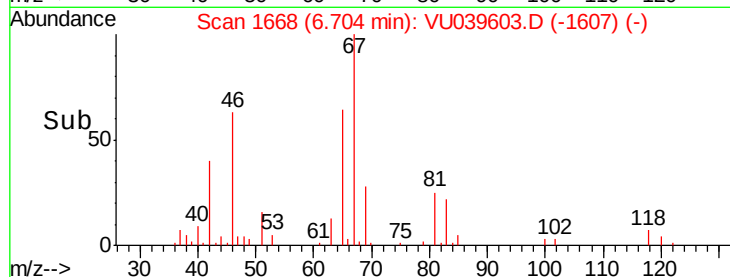
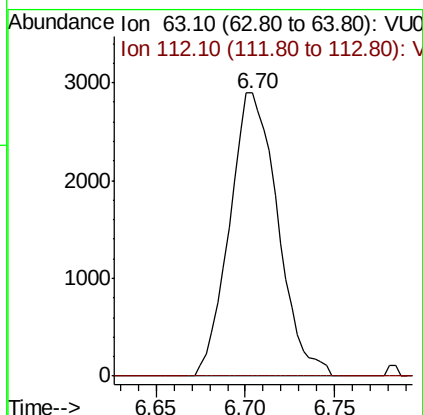
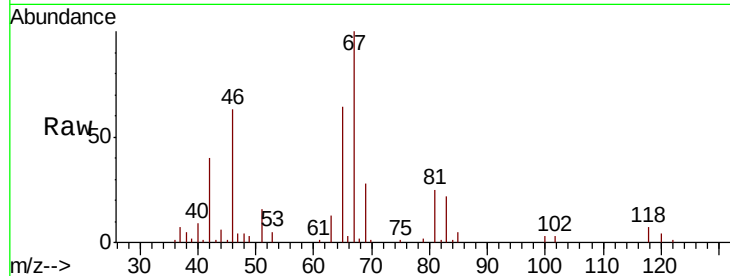




#37
 1,2-Dichloropropane
 Concen: 0.797 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU039603.D
 Acq: 21 Jul 2020 17:42

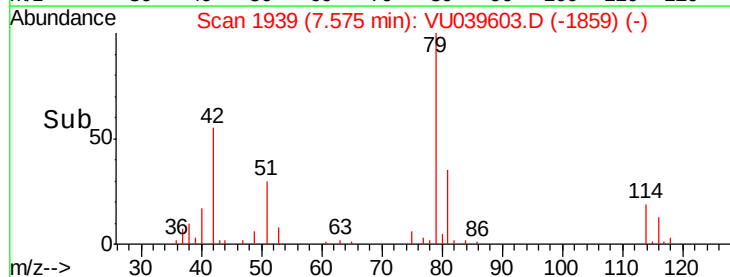
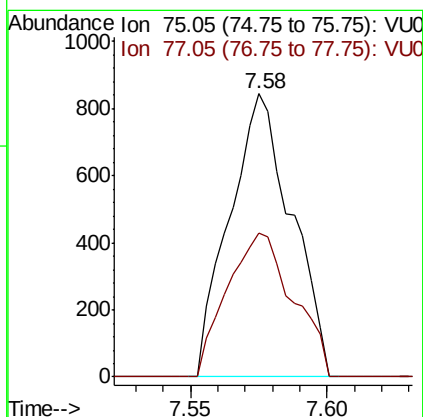
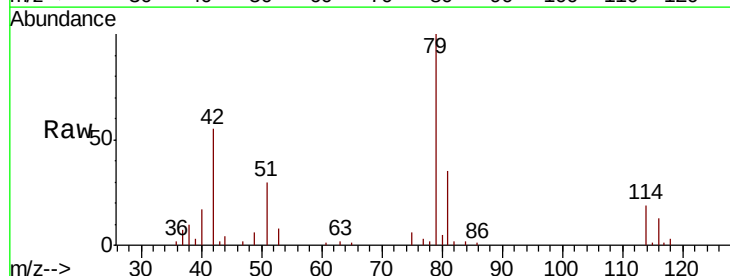
Instrument :
 MSVOA_U
 ClientSampleId :

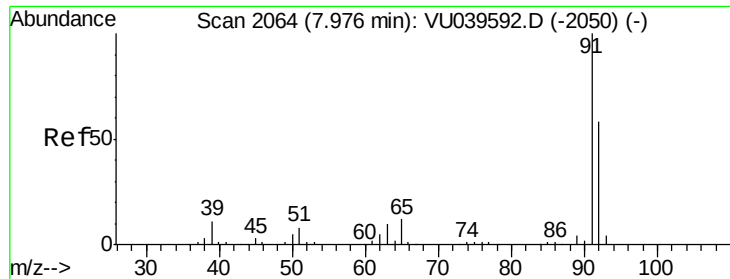
Tot Ion: 63 Resp: 5441
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.7 4.1#



#39
 cis-1,3-Dichloropropene
 Concen: 0.136 ug/L
 RT: 7.58 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU039603.D
 Acq: 21 Jul 2020 17:42

Tgt Ion: 75 Resp: 1333
 Ion Ratio Lower Upper
 75 100
 77 50.8 23.2 43.0#





#42

Toluene

Concen: 6.484 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU039603.D

Acq: 21 Jul 2020 17:42

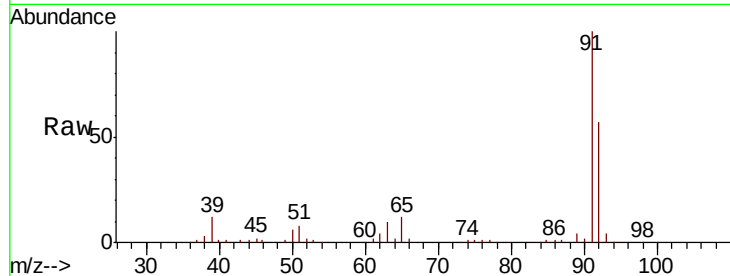
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 174067

Ion Ratio Lower Upper

91 100

92 56.7 38.6 71.6



Abundance Ion 91.15 (90.85 to 91.85): VU039592.D (-2050) (-)

Ion 92.15 (91.85 to 92.85): VU039592.D (-2050) (-)

7.98

100000

80000

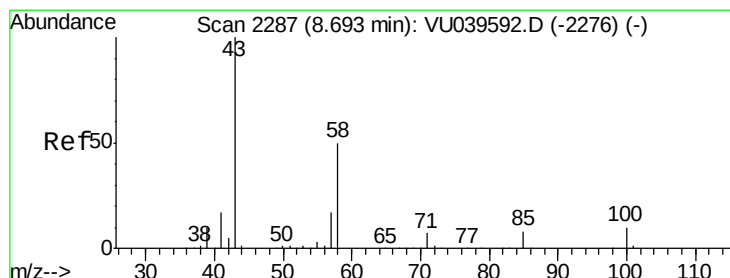
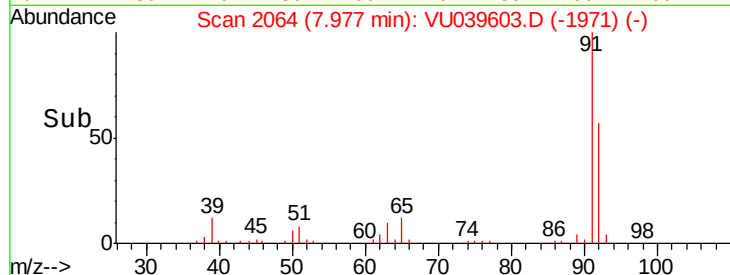
60000

40000

20000

0

Time-->



#48

2-Hexanone

Concen: 1.095 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. -0.00 min

Lab File: VU039603.D

Acq: 21 Jul 2020 17:42

Tgt Ion: 43 Resp: 4317

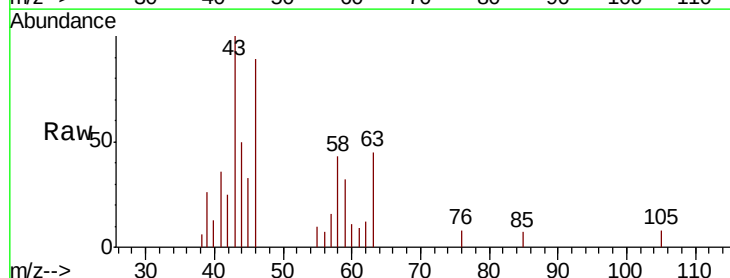
Ion Ratio Lower Upper

43 100

58 40.9 40.9 61.3

57 5.6 14.6 21.8#

100 0.0 7.9 11.9#



Abundance Ion 43.05 (42.75 to 43.75): VU039592.D (-2276) (-)

Ion 58.05 (57.75 to 58.75): VU039592.D (-2276) (-)

Ion 57.20 (56.90 to 57.90): VU039592.D (-2276) (-)

Ion 100.15 (99.85 to 100.85): VU039592.D (-2276) (-)

8.69

10000

8000

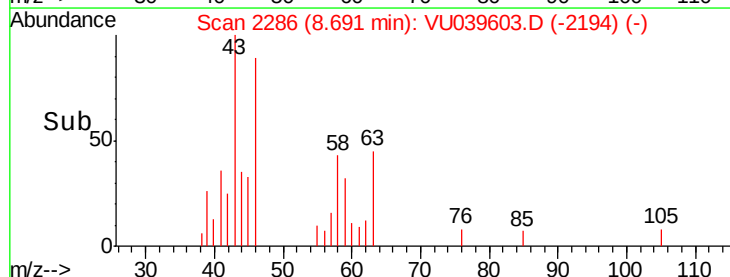
6000

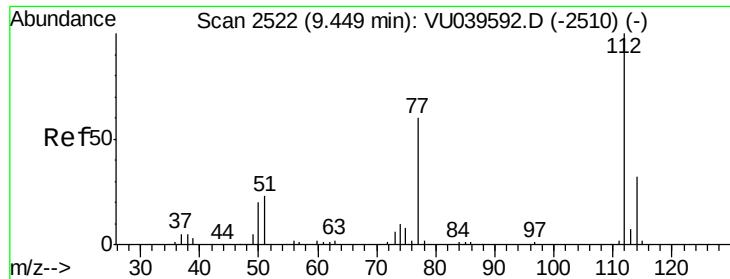
4000

2000

0

Time-->

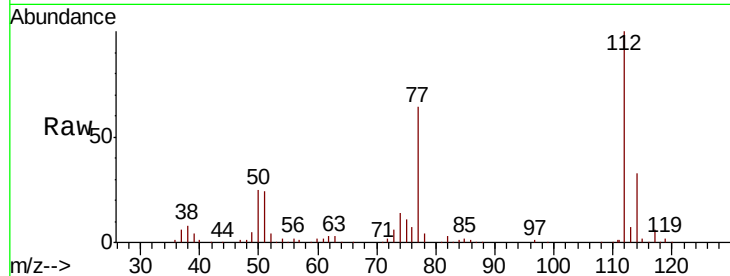




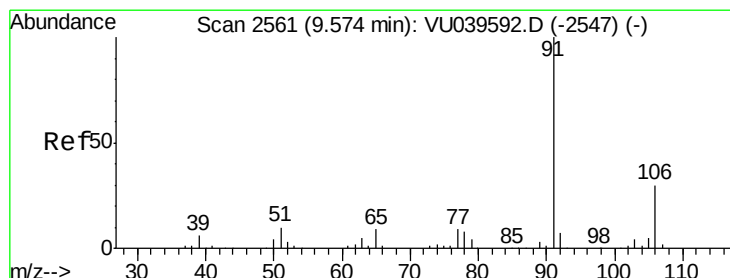
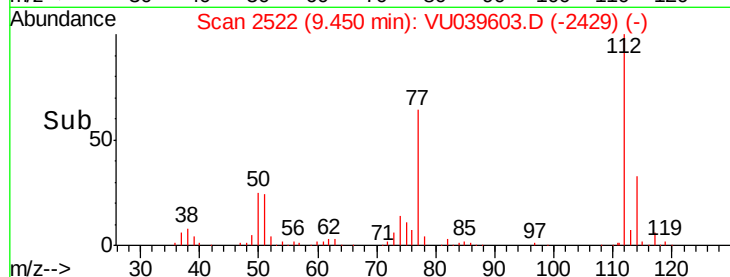
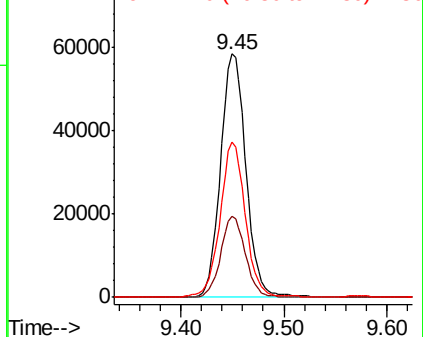
#51
Chlorobenzene
Concen: 5.829 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU039603.D
Acq: 21 Jul 2020 17:42

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.3	22.9	42.5
77	63.9	50.0	75.0

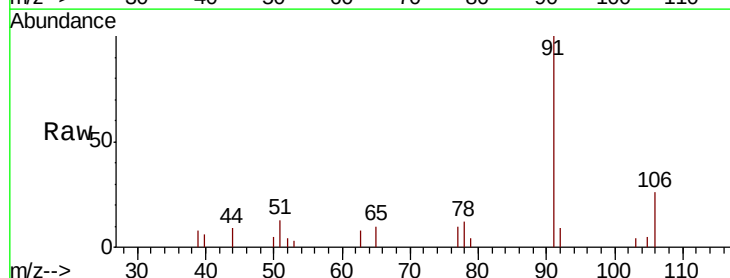


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

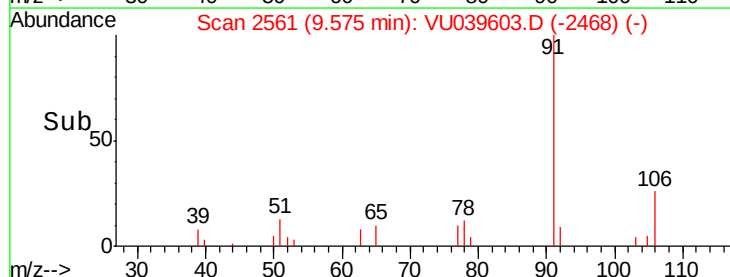
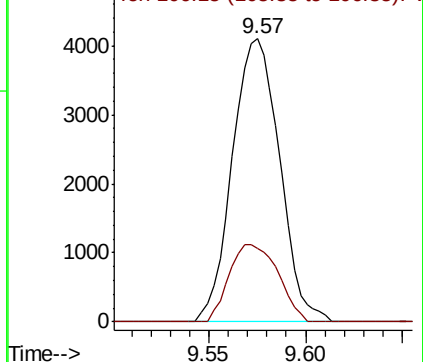


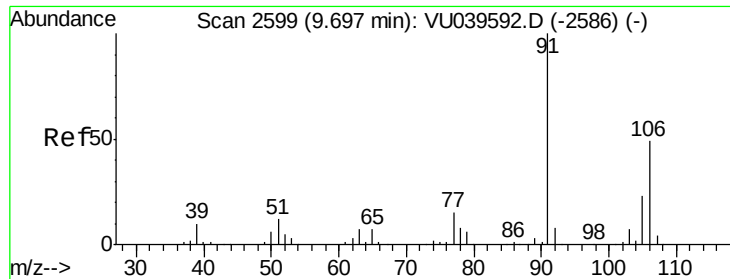
#52
Ethylbenzene
Concen: 0.228 ug/L
RT: 9.57 min Scan# 2561
Delta R.T. 0.00 min
Lab File: VU039603.D
Acq: 21 Jul 2020 17:42

Tgt Ion	Ratio	Lower	Upper
91	100		
106	25.8	21.3	39.6



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





#53

m,p-Xylene

Concen: 0.201 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU039603.D

Acq: 21 Jul 2020 17:42

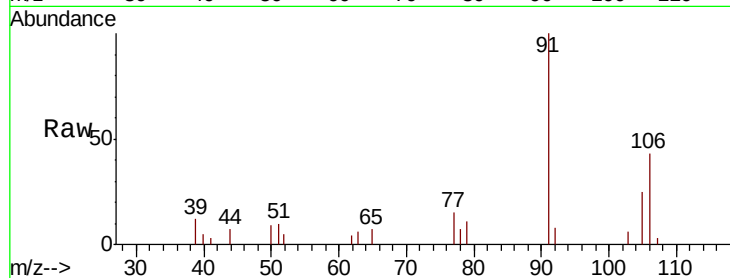
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 2290

Ion Ratio Lower Upper

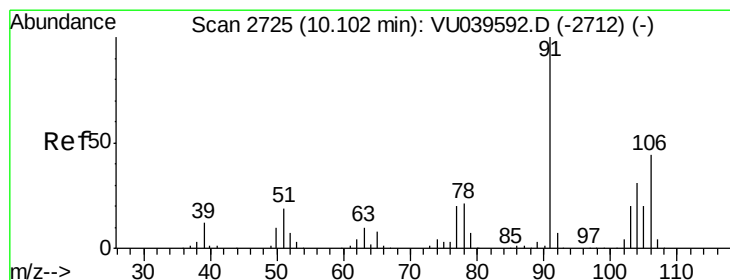
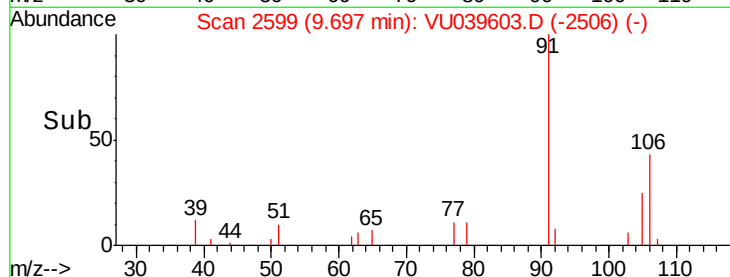
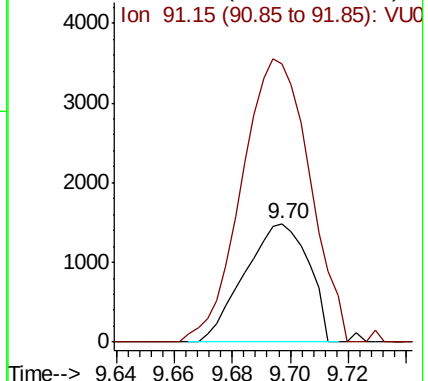
106 100

91 234.8 149.3 277.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.204 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VU039603.D

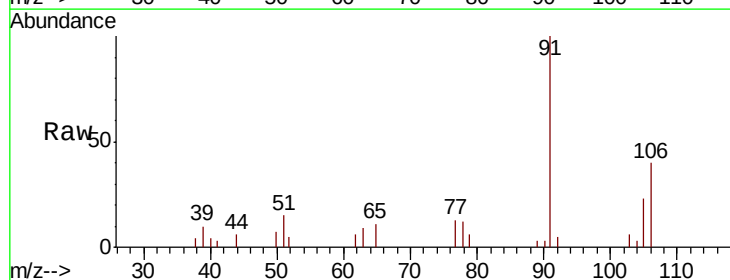
Acq: 21 Jul 2020 17:42

Tgt Ion:106 Resp: 2272

Ion Ratio Lower Upper

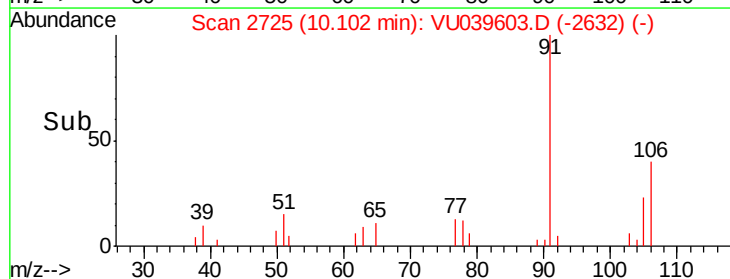
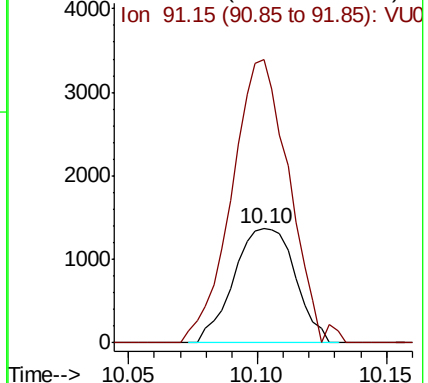
106 100

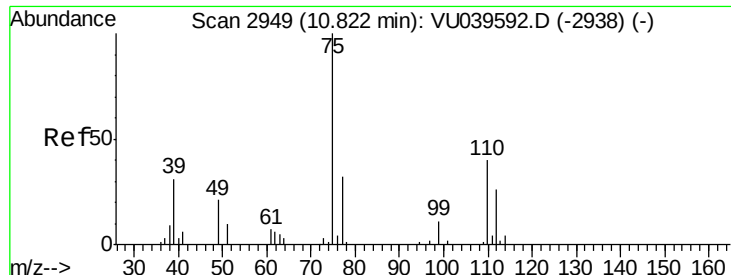
91 247.7 157.4 292.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#59

1,2,3-Trichloropropane

Concen: 1.545 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU039603.D

Acq: 21 Jul 2020 17:42

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 7734

Ion Ratio Lower Upper

75 100

77 34.4 25.5 38.3

