

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082120\
 Data File : VU039940.D
 Acq On : 21 Aug 2020 20:03
 Operator : SY/MD
 Sample : L3776-02 100X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F4Y01

Quant Time: Aug 22 00:50:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR081920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 22 00:45:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	87499	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	81295	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	32597	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	26614	3.49	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.80%
7) Chloroethane-d5	1.92	69	25635	4.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.00%
11) 1,1-Dichloroethene-d2	2.58	63	38404	2.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	52.00%#
20) 2-Butanone-d5	4.66	46	105835	43.33	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.66%
24) Chloroform-d	5.08	84	56499	4.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.80%
26) 1,2-Dichloroethane-d4	5.73	65	33171	4.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.20%
32) Benzene-d6	5.75	84	105458	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.20%
36) 1,2-Dichloropropane-d6	6.70	67	36566	4.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.60%
41) Toluene-d8	7.91	98	83717	3.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.00%
43) trans-1,3-Dichloropropene-	8.19	79	13677	4.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.60%
46) 2-Hexanone-d5	8.64	63	80198	47.17	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.34%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	29918	4.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	30790	4.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.80%

Target Compounds

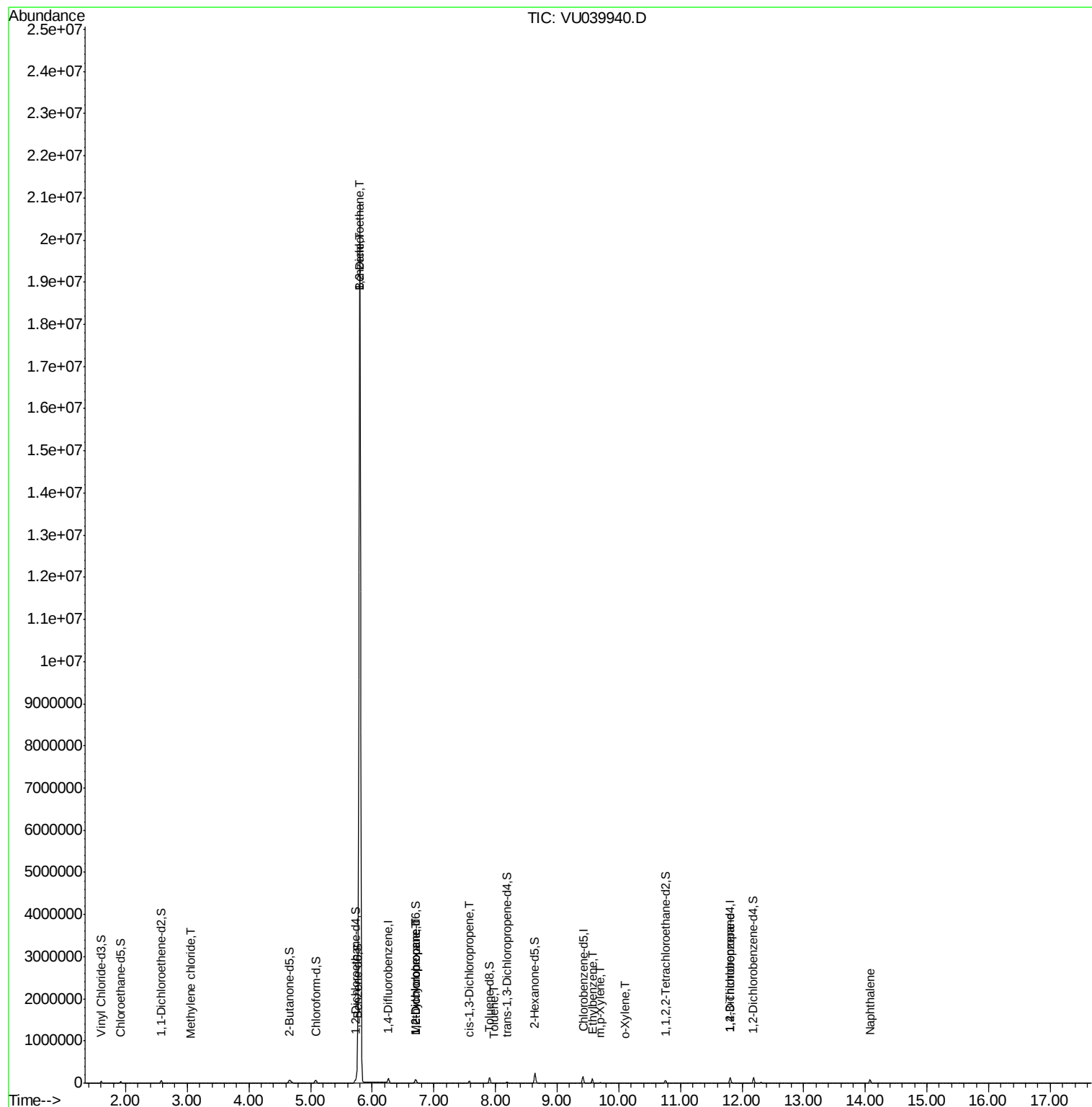
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
16) Methylene chloride	3.07	84	2176	0.207	ug/L	80
27) 1,2-Dichloroethane	5.80	62	180167	17.192	ug/L #	74
33) Benzene	5.80	78	16601353	561.910	ug/L	100
35) Methylcyclohexane	6.70	83	8489	0.723	ug/L #	17
37) 1,2-Dichloropropane	6.70	63	4213	0.537	ug/L #	85
39) cis-1,3-Dichloropropene	7.57	75	978	0.089	ug/L	92
42) Toluene	7.97	91	4146	0.137	ug/L	95
52) Ethylbenzene	9.57	91	65984	2.008	ug/L	100
53) m,p-Xylene	9.69	106	3636	0.288	ug/L	87
54) o-Xylene	10.10	106	1369	0.115	ug/L	89
59) 1,2,3-Trichloropropane	11.81	75	4783	0.850	ug/L #	83
69) Naphthalene	14.08	128	61125	4.328	ug/L	98

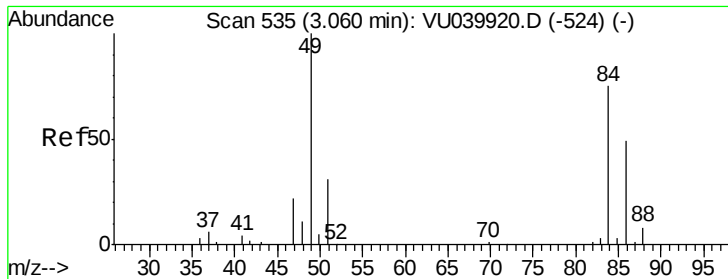
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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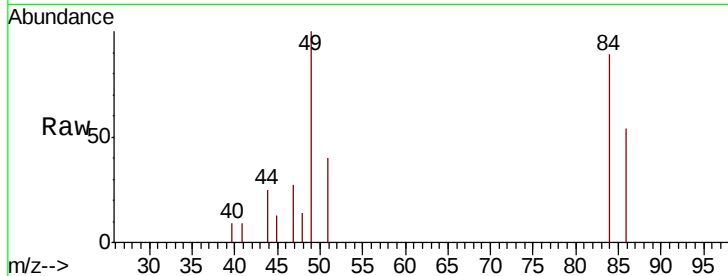




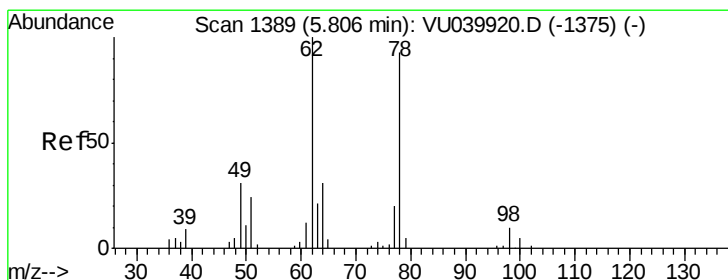
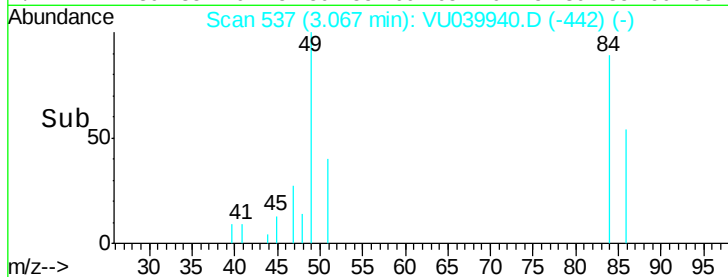
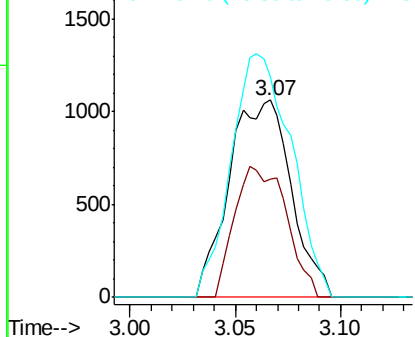
#16
Methvlene chloride
Concen: 0.207 ug/L
RT: 3.07 min Scan# 537
Delta R.T. 0.01 min
Lab File: VU039940.D
Acq: 21 Aug 2020 20:03

Instrument :
MSVOA_U
ClientSampleId :
F4Y01

Tot Ion: 84 Resp: 2176
Ion Ratio Lower Upper
84 100
86 60.3 47.2 87.6
49 112.1 99.8 185.4

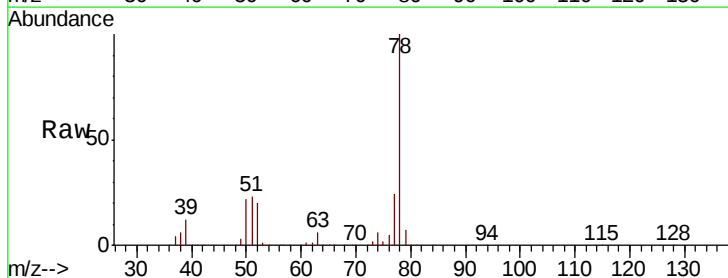


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

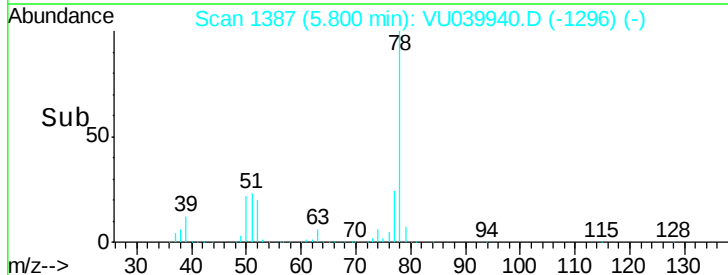
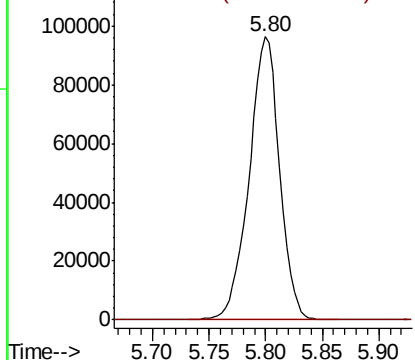


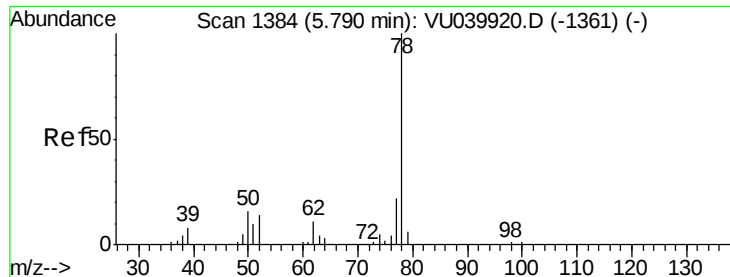
#27
1,2-Dichloroethane
Concen: 17.192 ug/L
RT: 5.80 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VU039940.D
Acq: 21 Aug 2020 20:03

Tgt Ion: 62 Resp: 180167
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.2#



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 98.05 (97.75 to 98.75): VU0

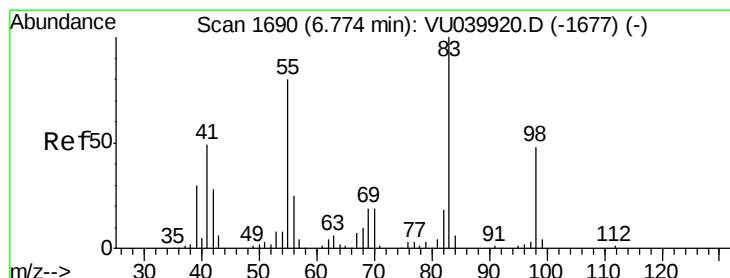
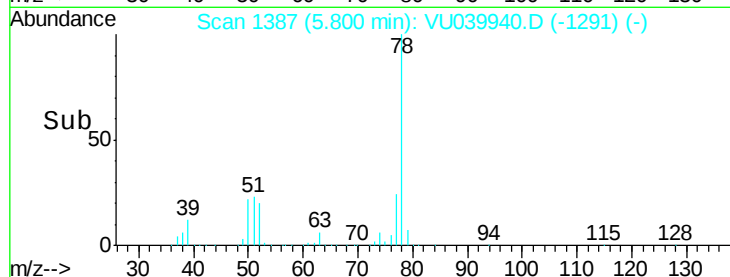
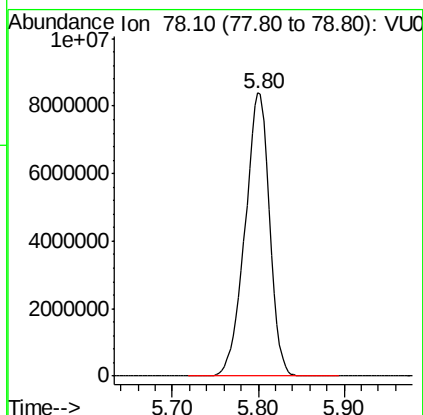
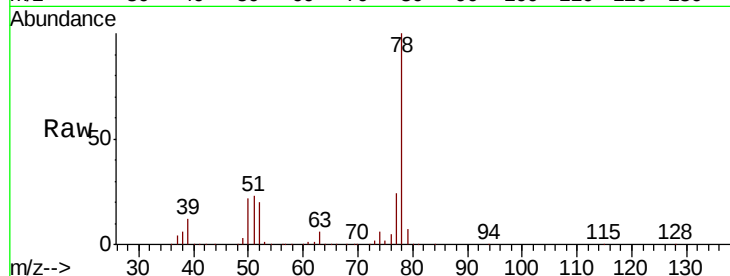




#33
Benzene
Concen: 561.910 ug/L
RT: 5.80 min Scan# 1387
Delta R.T. 0.01 min
Lab File: VU039940.D
Acq: 21 Aug 2020 20:03

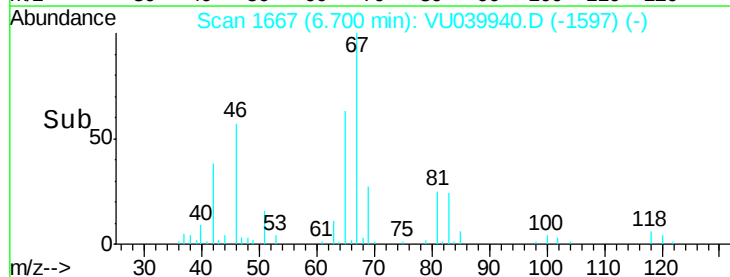
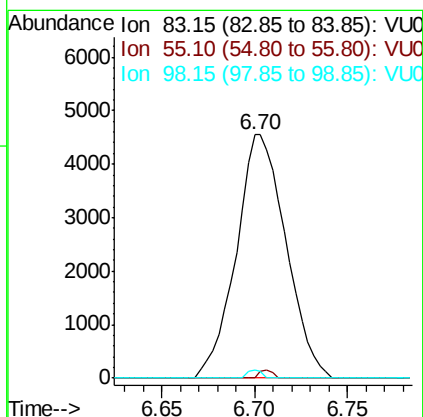
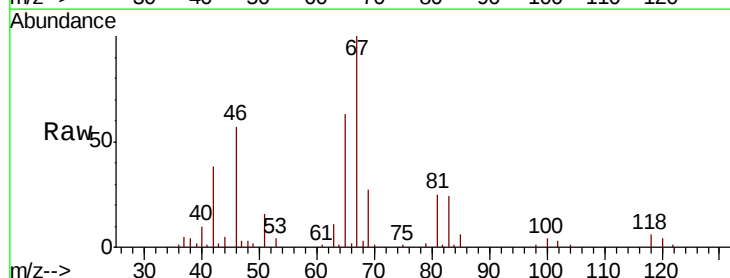
Instrument :
MSVOA_U
ClientSampleId :
F4Y01

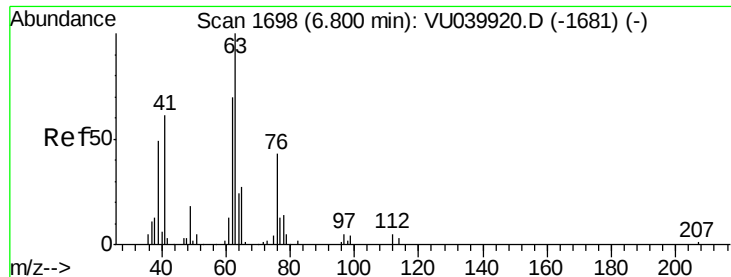
Tgt Ion: 78 Resp:16601353



#35
Methylcyclohexane
Concen: 0.723 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU039940.D
Acq: 21 Aug 2020 20:03

Tgt Ion: 83 Resp: 8489
Ion Ratio Lower Upper
83 100
55 0.8 64.1 96.1#
98 0.9 39.4 59.0#





#37

1,2-Dichloropropane

Concen: 0.537 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU039940.D

Acq: 21 Aug 2020 20:03

Instrument :

MSVOA_U

ClientSampleId :

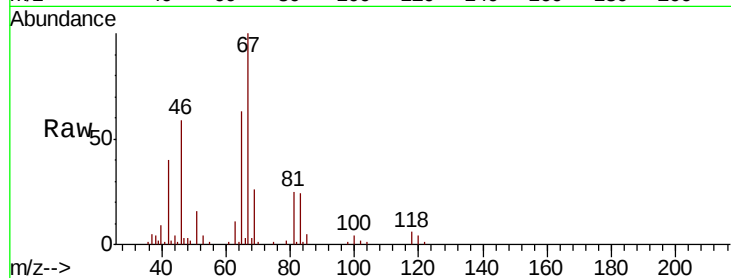
F4Y01

Tot Ion: 63 Resp: 4213

Ion Ratio Lower Upper

63 100

112 0.0 4.1 6.1#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V

2500

2000

1500

1000

500

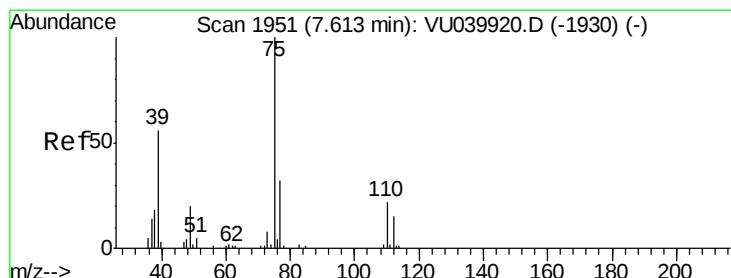
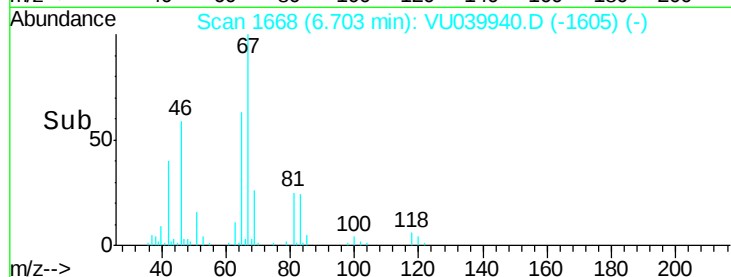
0

6.65

6.70

6.75

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.089 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU039940.D

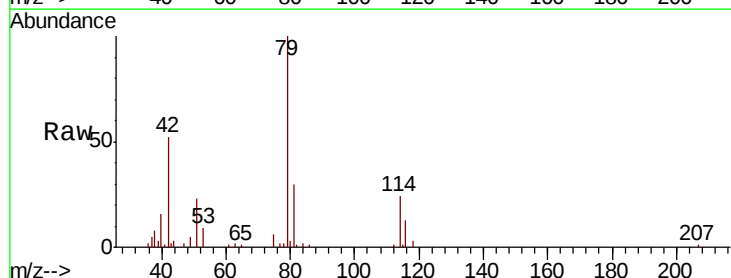
Acq: 21 Aug 2020 20:03

Tgt Ion: 75 Resp: 978

Ion Ratio Lower Upper

75 100

77 36.7 22.6 42.0



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

800

600

400

200

0

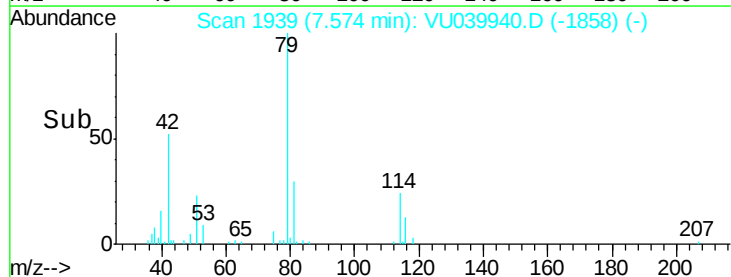
7.54

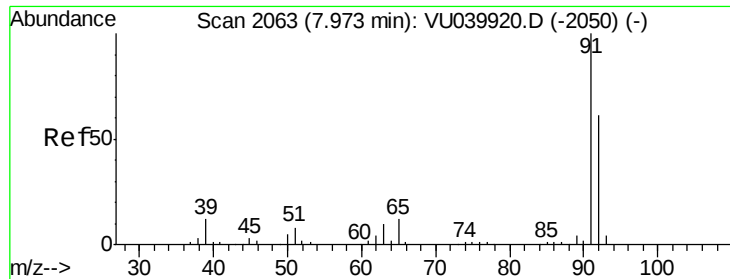
7.56

7.58

7.60

Time-->





#42

Toluene

Concen: 0.137 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU039940.D

Acq: 21 Aug 2020 20:03

Instrument :

MSVOA_U

ClientSampled :

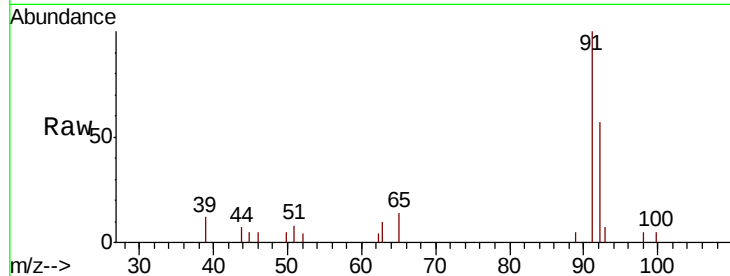
F4Y01

Tot Ion: 91 Resp: 4146

Ion Ratio Lower Upper

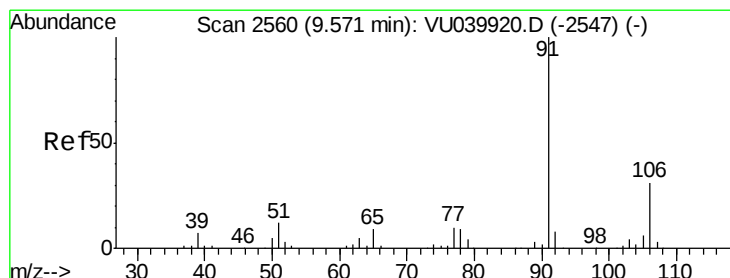
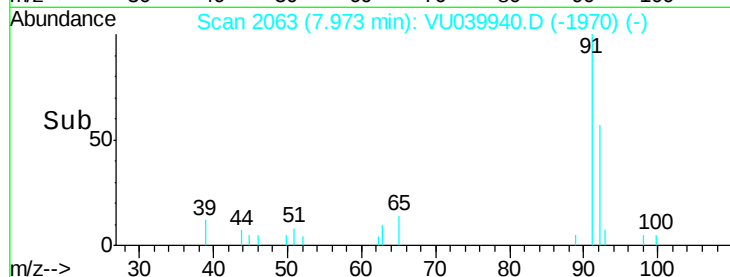
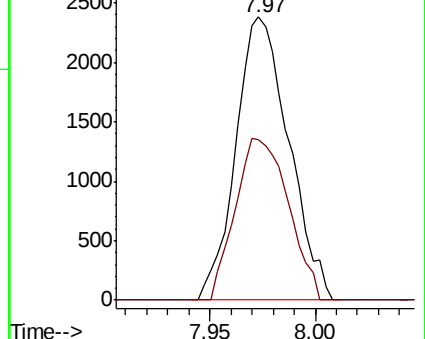
91 100

92 56.8 42.3 78.5



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#52

Ethylbenzene

Concen: 2.008 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU039940.D

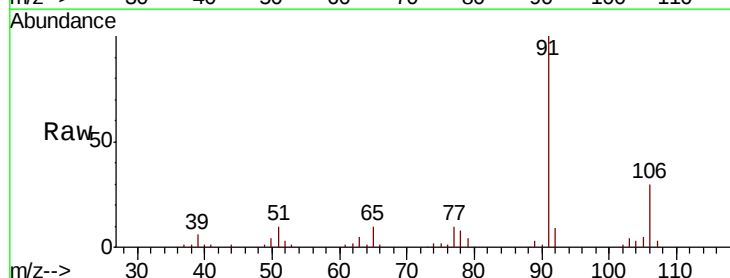
Acq: 21 Aug 2020 20:03

Tgt Ion: 91 Resp: 65984

Ion Ratio Lower Upper

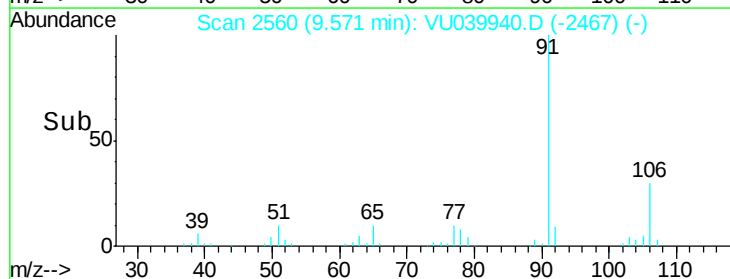
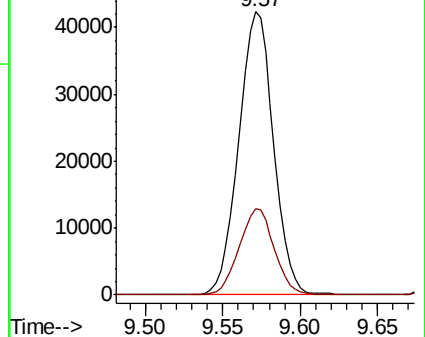
91 100

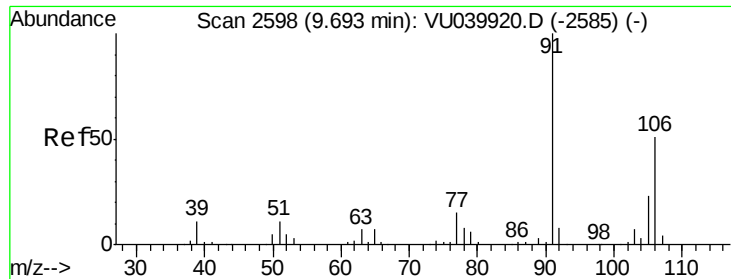
106 30.3 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 0.288 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU039940.D

Acq: 21 Aug 2020 20:03

Instrument :

MSVOA_U

ClientSampleId :

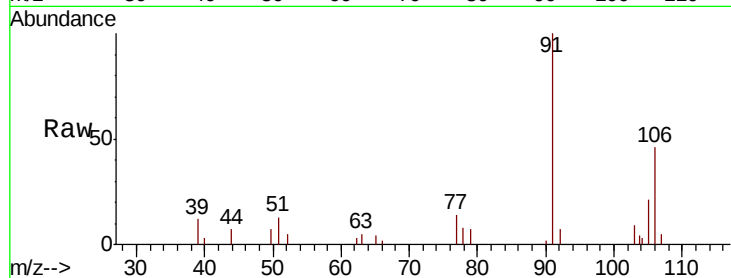
F4Y01

Tot Ion:106 Resp: 3636

Ion Ratio Lower Upper

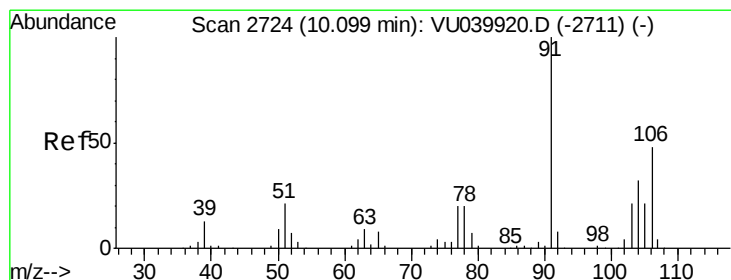
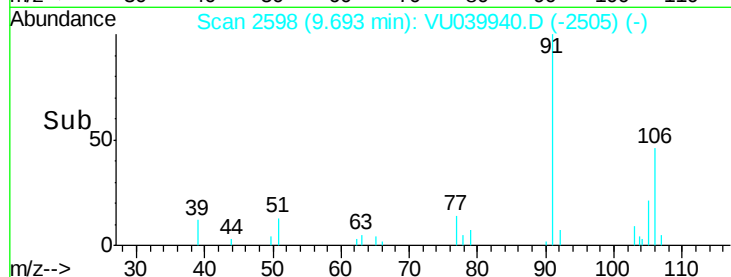
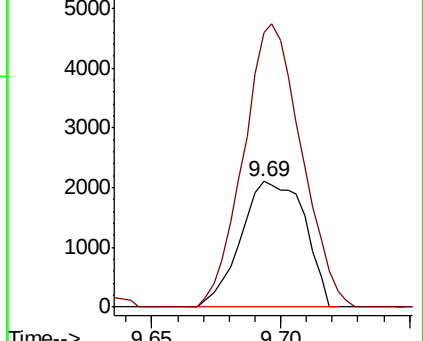
106 100

91 219.1 139.8 259.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.115 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VU039940.D

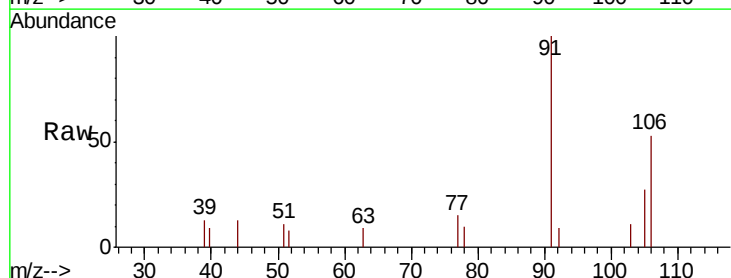
Acq: 21 Aug 2020 20:03

Tgt Ion:106 Resp: 1369

Ion Ratio Lower Upper

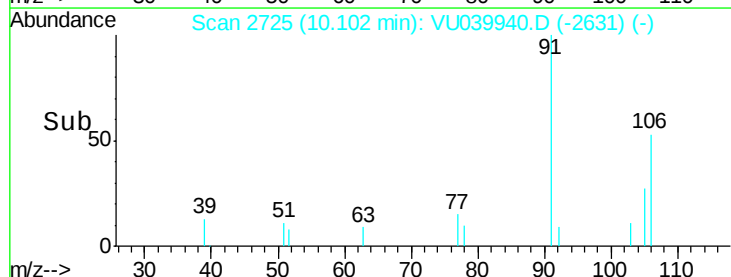
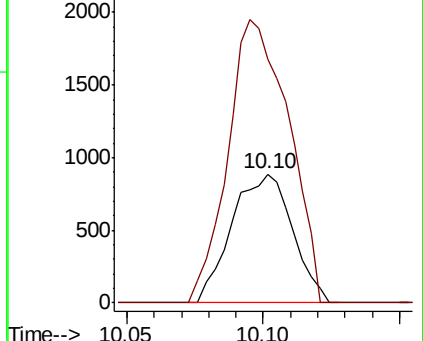
106 100

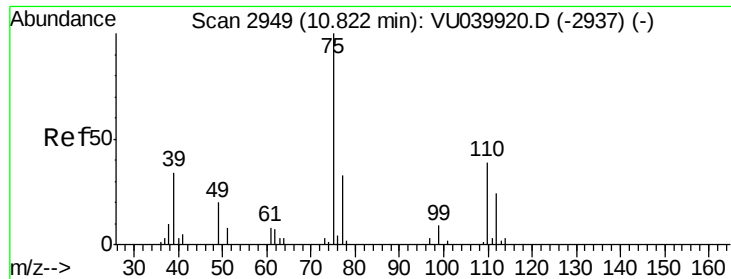
91 189.3 144.6 268.6



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: 0.850 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU039940.D

Acq: 21 Aug 2020 20:03

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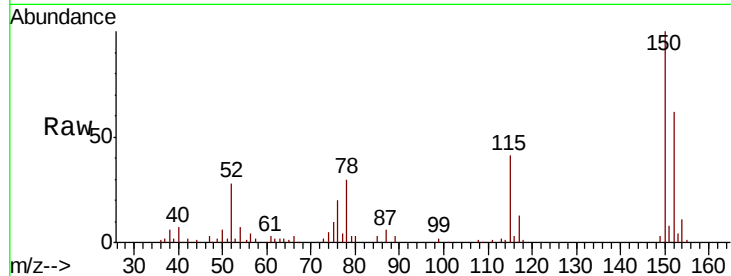
F4Y01

Tot Ion: 75 Resp: 4783

Ion Ratio Lower Upper

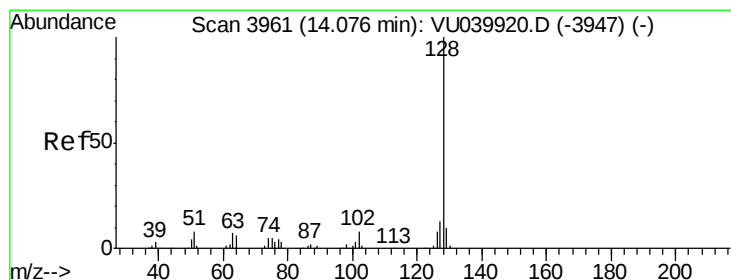
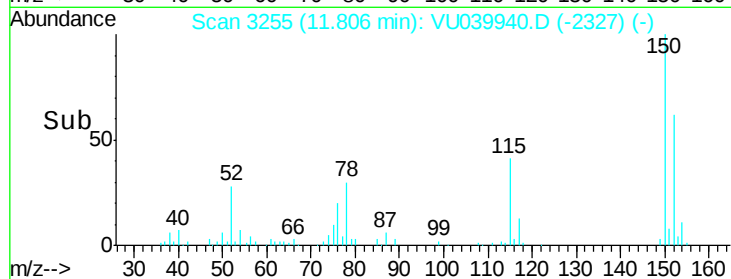
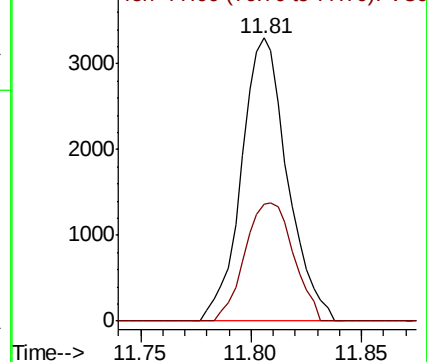
75 100

77 43.9 27.4 41.2#



Abundance Ion 75.00 (74.70 to 75.70): VU039920.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU039920.D (-2937) (-)



#69

Naphthalene

Concen: 4.328 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU039940.D

Acq: 21 Aug 2020 20:03

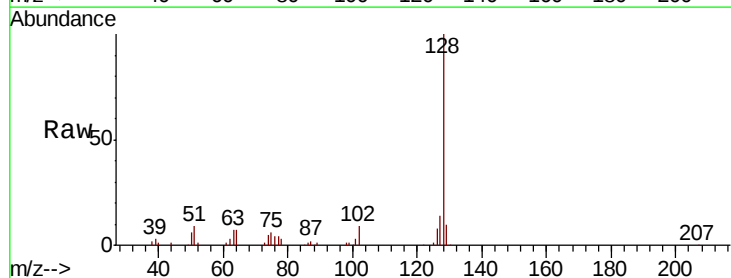
Tgt Ion: 128 Resp: 61125

Ion Ratio Lower Upper

128 100

129 11.1 8.5 12.7

127 13.7 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): VU039920.D (-3947) (-)

Ion 129.00 (128.70 to 129.70): VU039920.D (-3947) (-)

Ion 127.00 (126.70 to 127.70): VU039920.D (-3947) (-)

