

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061120\
 Data File : VU038793.D
 Acq On : 10 Jun 2020 22:14
 Operator : SY/MD
 Sample : L2915-02 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9E05

Quant Time: Jun 11 03:45:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 11 03:42:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	552755	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.43	117	530788	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	248511	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	178565	57.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	115.64%
7) Chloroethane-d5	1.93	69	146192	61.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	122.04%
11) 1,1-Dichloroethene-d2	2.59	63	278198	41.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.66%
21) 2-Butanone-d5	4.66	46	358529	119.33	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	119.33%
24) Chloroform-d	5.10	84	365012	54.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.64%
26) 1,2-Dichloroethane-d4	5.74	65	250675	56.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.60%
32) Benzene-d6	5.76	84	733744	57.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.78%
36) 1,2-Dichloropropane-d6	6.72	67	225063	57.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	114.24%
41) Toluene-d8	7.92	98	620273	53.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.36%
43) trans-1,3-Dichloropropene-	8.20	79	106672	53.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.54%
47) 2-Hexanone-d5	8.65	63	251301	119.81	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	119.81%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	322131	54.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.60%
64) 1,2-Dichlorobenzene-d4	12.20	152	256425	59.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	118.86%

Target Compounds

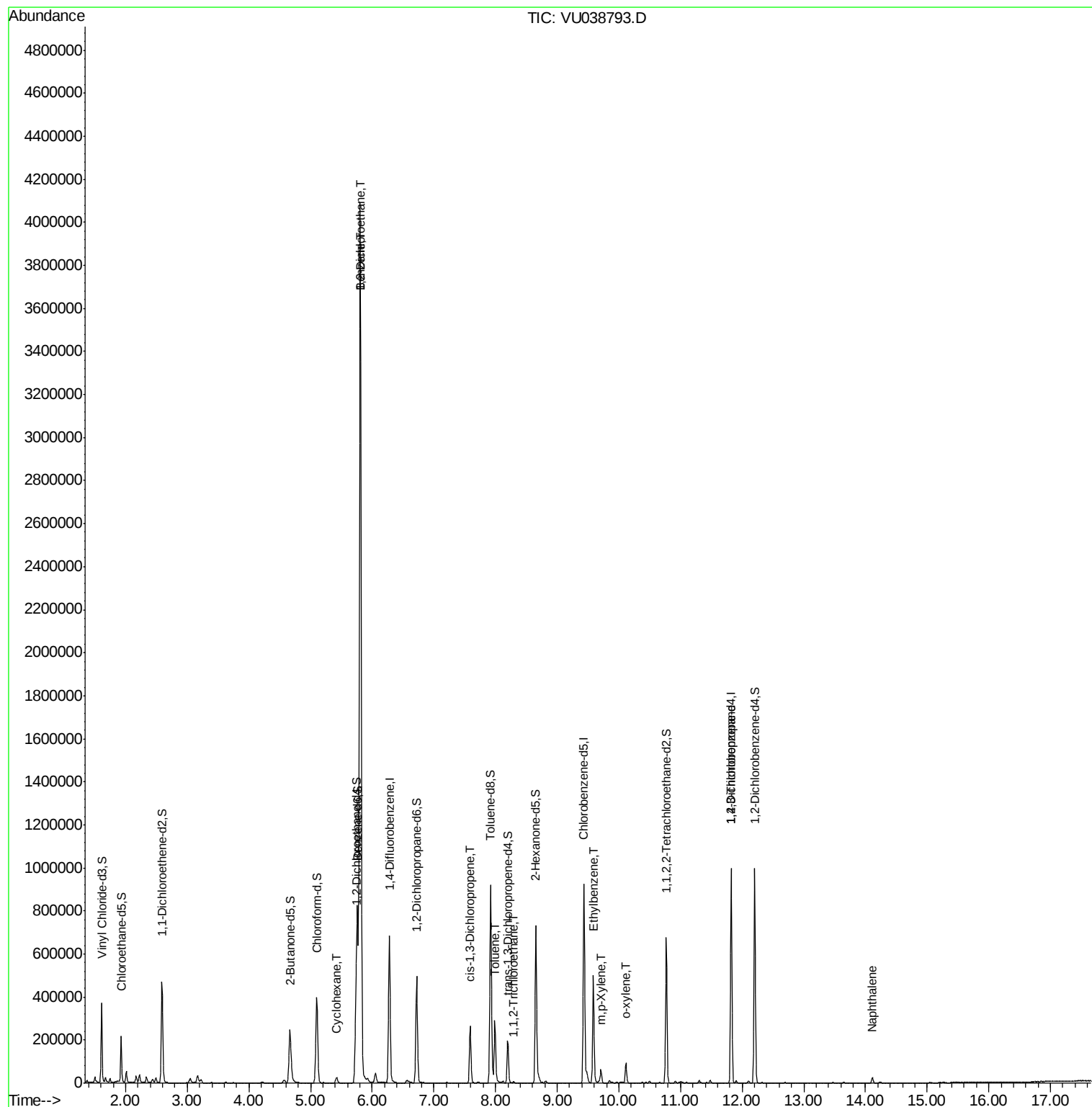
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
27) 1,2-Dichloroethane	5.81	62	35021	5.831	ug/L #	74
29) Cyclohexane	5.42	56	11523	1.898	ug/L	93
33) Benzene	5.81	78	3878759	246.082	ug/L	100
39) cis-1,3-Dichloropropene	7.59	75	6990	1.103	ug/L #	77
42) Toluene	7.99	91	210163	12.752	ug/L	99
45) 1,1,2-Trichloroethane	8.29	97	4549	1.151	ug/L #	19
52) Ethylbenzene	9.59	91	357579	19.659	ug/L	99
53) m,p-Xylene	9.71	106	15944	2.284	ug/L	91
54) o-xylene	10.11	106	26315	3.882	ug/L	87
59) 1,2,3-Trichloropropane	11.82	75	32363	5.619	ug/L	89
69) Naphthalene	14.11	128	20083	1.094	ug/L	97

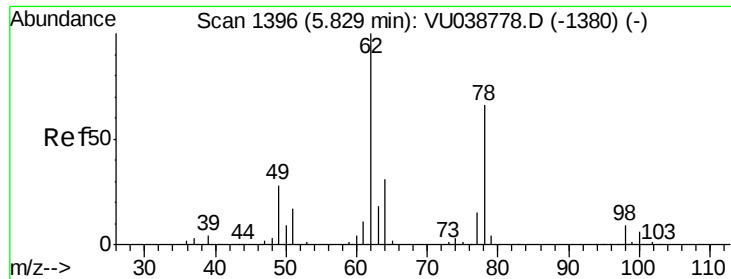
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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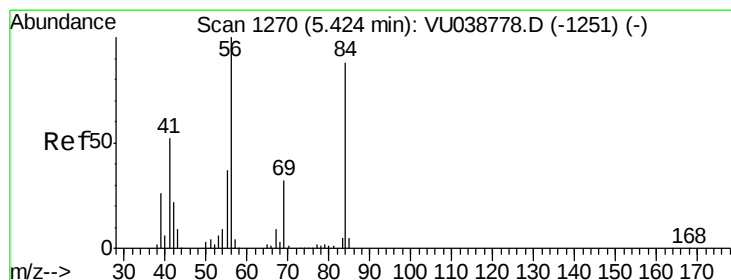
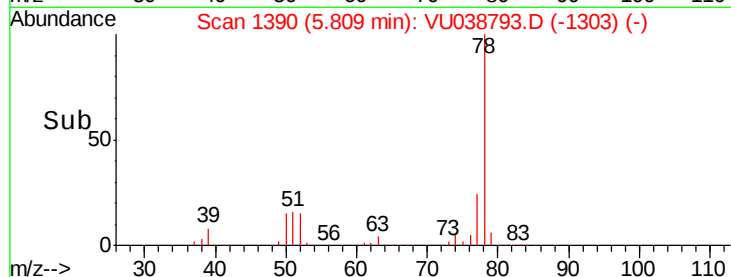
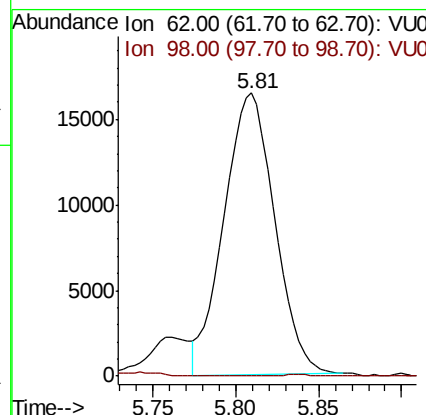
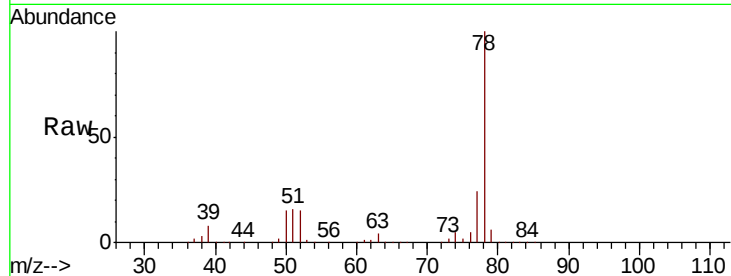




#27
 1,2-Dichloroethane
 Concen: 5.831 ug/L
 RT: 5.81 min Scan# 1390
 Delta R.T. -0.02 min
 Lab File: VU038793.D
 Acq: 10 Jun 2020 22:14

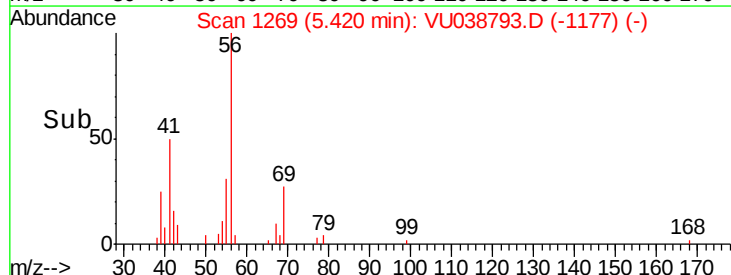
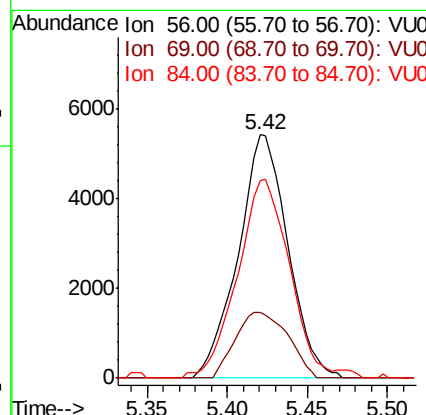
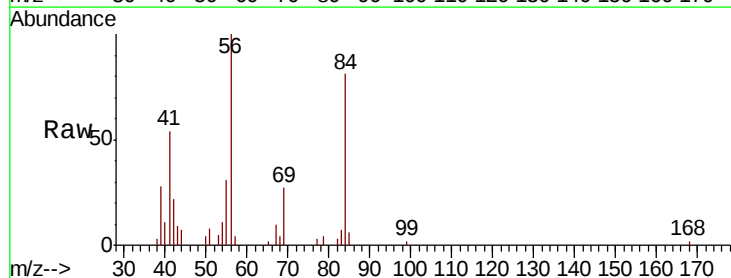
Instrument :
 MSVOA_U
 ClientSampleId :
 F9E05

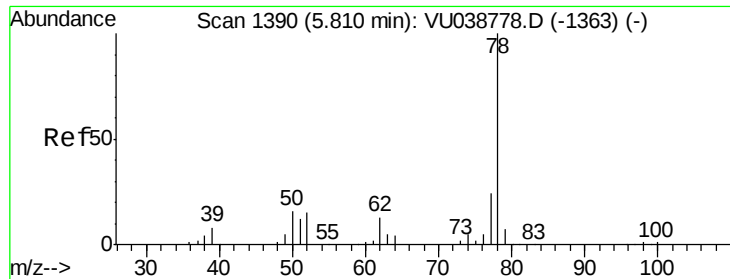
Tot Ion: 62 Resp: 35021
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.8 11.6#



#29
 Cyclohexane
 Concen: 1.898 ug/L
 RT: 5.42 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VU038793.D
 Acq: 10 Jun 2020 22:14

Tgt Ion: 56 Resp: 11523
 Ion Ratio Lower Upper
 56 100
 69 28.5 25.1 37.7
 84 81.2 70.5 105.7





#33

Benzene

Concen: 246.082 ug/L

RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VU038793.D

Acq: 10 Jun 2020 22:14

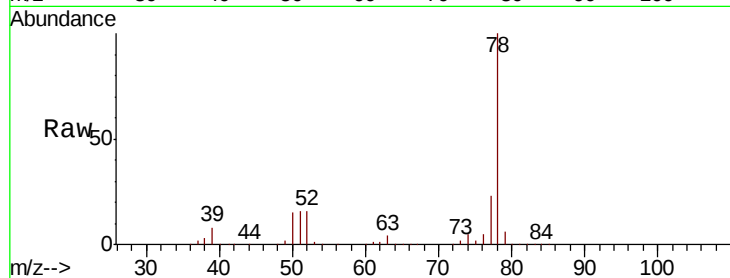
Instrument :

MSVOA_U

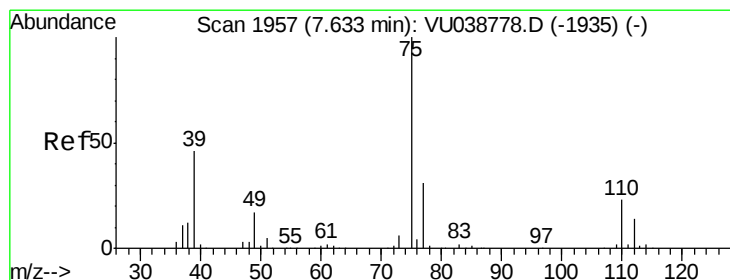
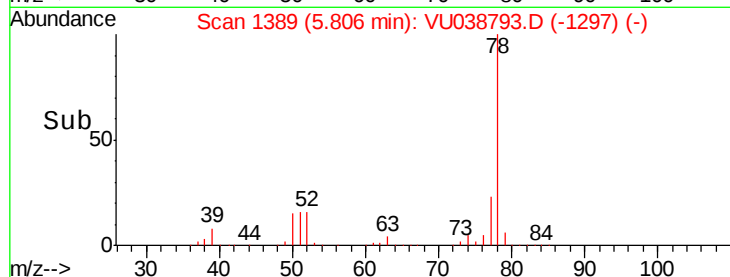
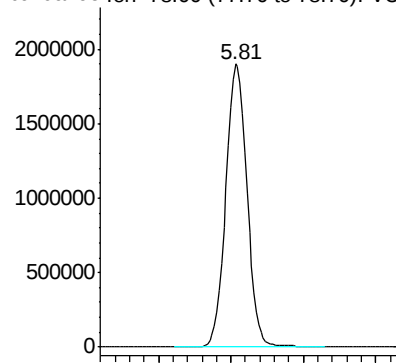
ClientSampleId :

F9E05

Tgt Ion: 78 Resp: 3878759



Abundance Ion 78.00 (77.70 to 78.70): VU0



#39

cis-1,3-Dichloropropene

Concen: 1.103 ug/L

RT: 7.59 min Scan# 1944

Delta R.T. -0.04 min

Lab File: VU038793.D

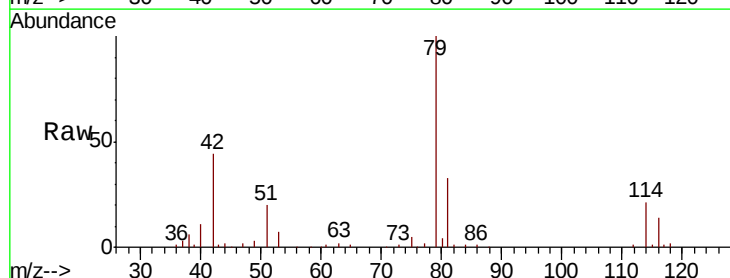
Acq: 10 Jun 2020 22:14

Tgt Ion: 75 Resp: 6990

Ion Ratio Lower Upper

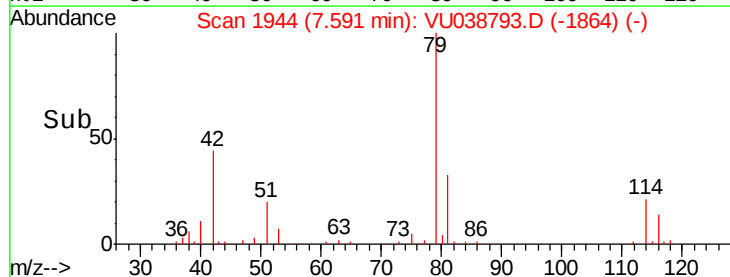
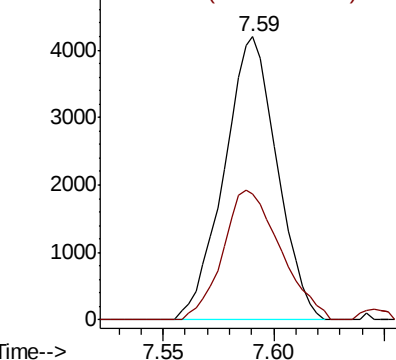
75 100

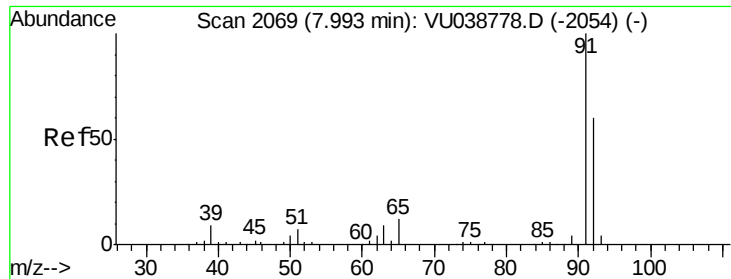
77 44.4 22.2 41.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#42

Toluene

Concen: 12.752 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038793.D

Acq: 10 Jun 2020 22:14

Instrument :

MSVOA_U

ClientSampleId :

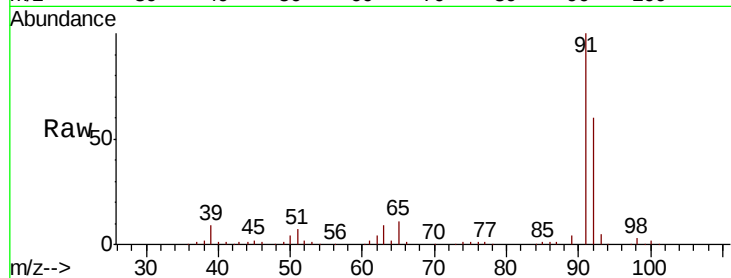
F9E05

Tot Ion: 91 Resp: 210163

Ion Ratio Lower Upper

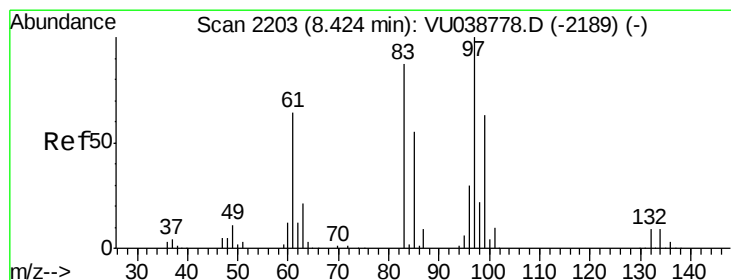
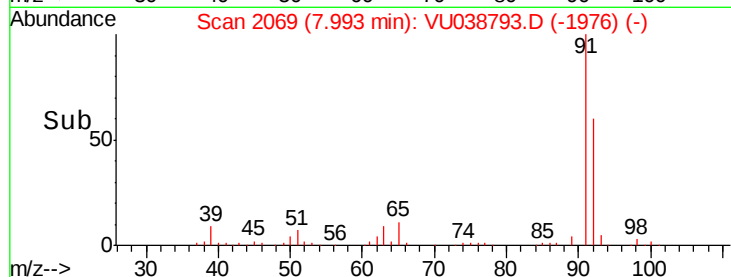
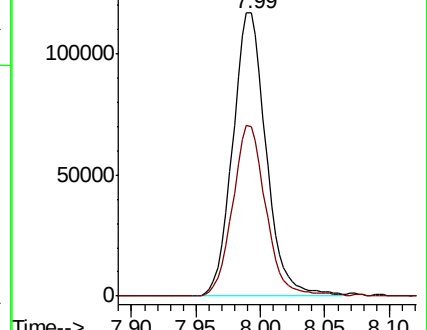
91 100

92 59.9 42.2 78.4



Abundance Ion 91.00 (90.70 to 91.70): VU038778.D (-2054) (-)

Ion 92.00 (91.70 to 92.70): VU038778.D (-2054) (-)



#45

1,1,2-Trichloroethane

Concen: 1.151 ug/L

RT: 8.29 min Scan# 2162

Delta R.T. -0.13 min

Lab File: VU038793.D

Acq: 10 Jun 2020 22:14

Tgt Ion: 97 Resp: 4549

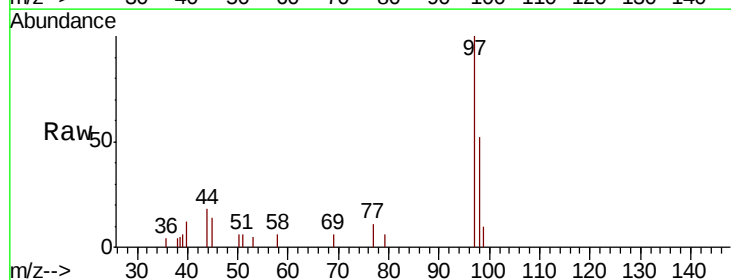
Ion Ratio Lower Upper

97 100

99 9.5 43.6 81.0#

83 0.0 60.0 111.4#

85 0.0 38.4 71.2#

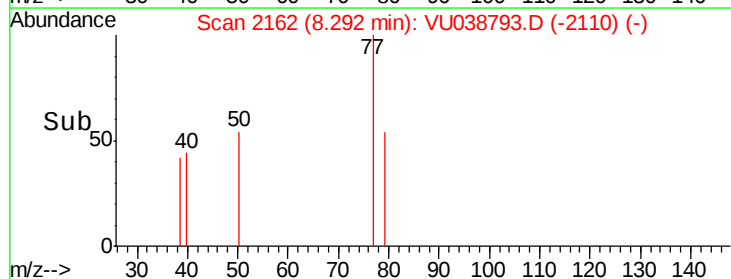
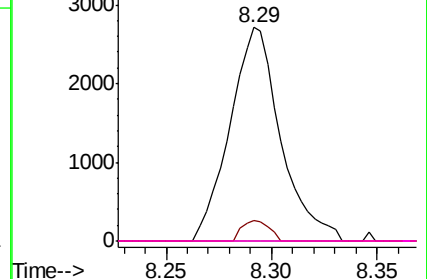


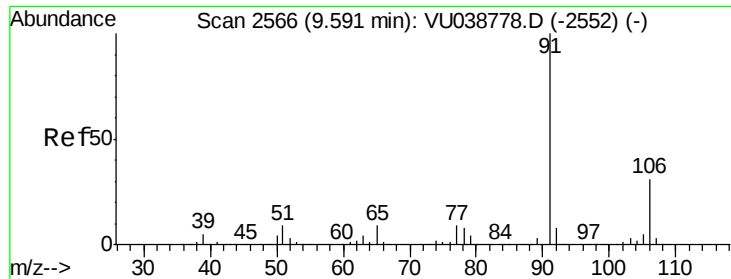
Abundance Ion 97.00 (96.70 to 97.70): VU038778.D (-2189) (-)

Ion 99.00 (98.70 to 99.70): VU038778.D (-2189) (-)

Ion 83.00 (82.70 to 83.70): VU038778.D (-2189) (-)

Ion 85.00 (84.70 to 85.70): VU038778.D (-2189) (-)





#52

Ethylbenzene

Concen: 19.659 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038793.D

Acq: 10 Jun 2020 22:14

Instrument :

MSVOA_U

ClientSampleId :

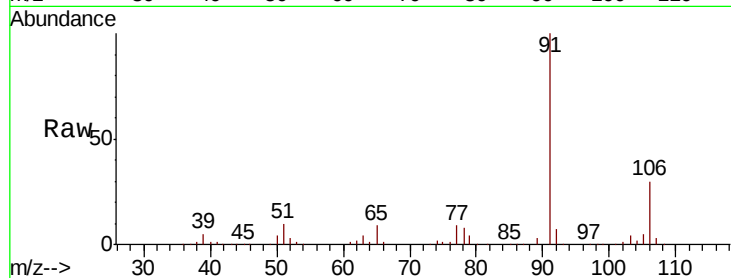
F9E05

Tot Ion: 91 Resp: 357579

Ion Ratio Lower Upper

91 100

106 30.3 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VU038778.D (-2552) (-)

Ion 106.00 (105.70 to 106.70): VU038793.D (-2473) (-)

9.59

250000

200000

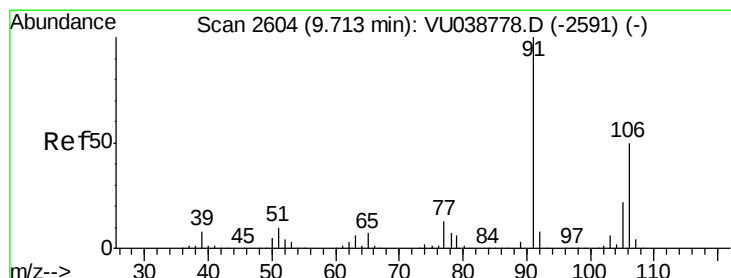
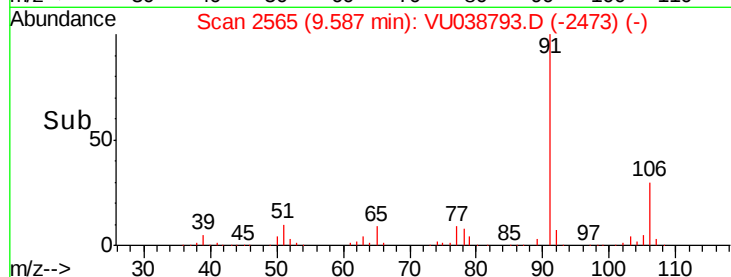
150000

100000

50000

0

Time--> 9.50 9.55 9.60 9.65



#53

m,p-Xylene

Concen: 2.284 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038793.D

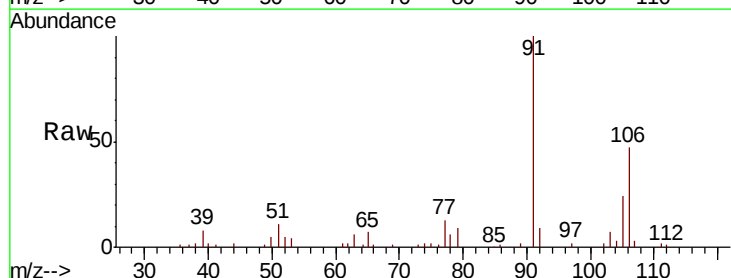
Acq: 10 Jun 2020 22:14

Tgt Ion: 106 Resp: 15944

Ion Ratio Lower Upper

106 100

91 213.6 140.1 260.3



Abundance Ion 106.00 (105.70 to 106.70): VU038778.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VU038793.D (-2511) (-)

9.71

25000

20000

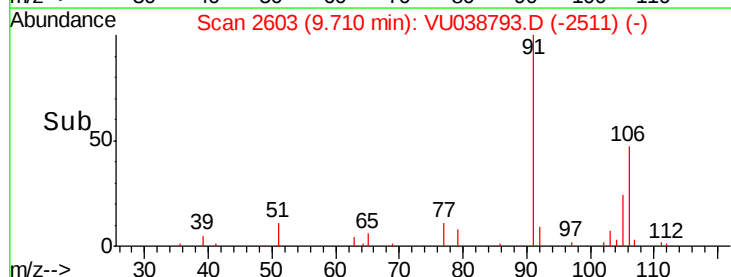
15000

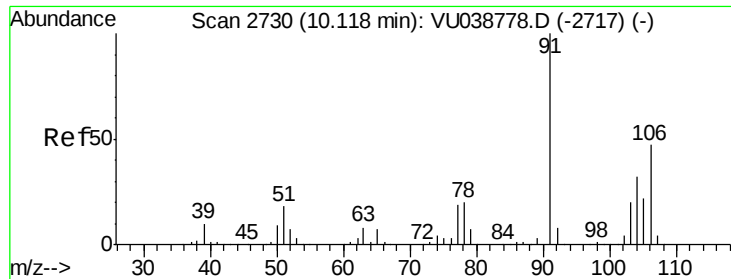
10000

5000

0

Time--> 9.65 9.70 9.75





#54

o-xylene

Concen: 3.882 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU038793.D

Acq: 10 Jun 2020 22:14

Instrument :

MSVOA_U

ClientSampled :

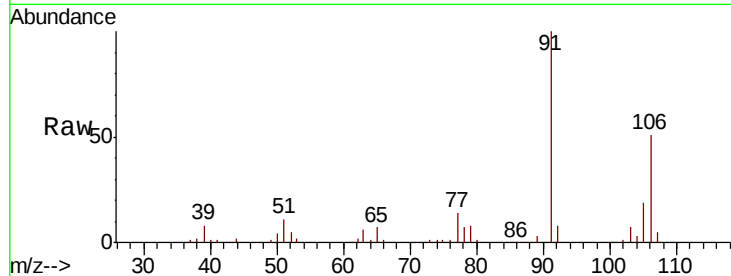
F9E05

Tot Ion:106 Resp: 26315

Ion Ratio Lower Upper

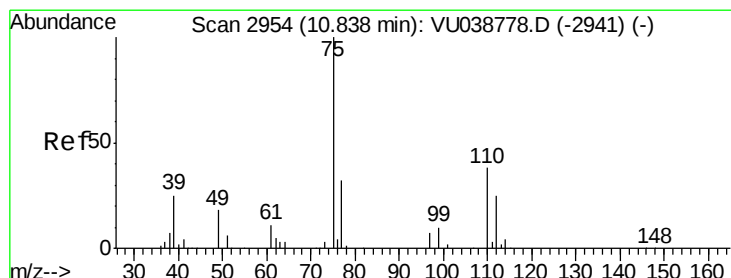
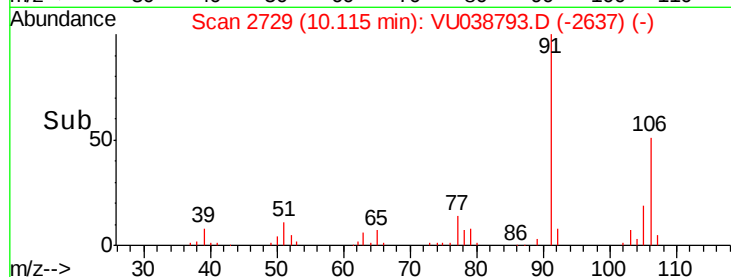
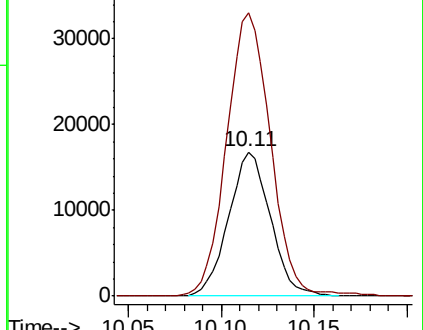
106 100

91 196.0 151.2 280.8



Abundance Ion 106.00 (105.70 to 106.70): VU038778.D (-2717) (-)

Ion 91.00 (90.70 to 91.70): VU038778.D (-2717) (-)



#59

1,2,3-Trichloropropane

Concen: 5.619 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU038793.D

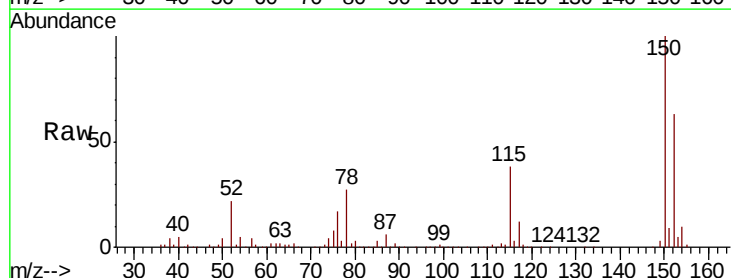
Acq: 10 Jun 2020 22:14

Tgt Ion: 75 Resp: 32363

Ion Ratio Lower Upper

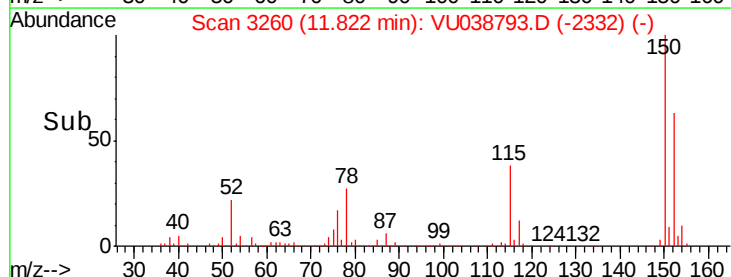
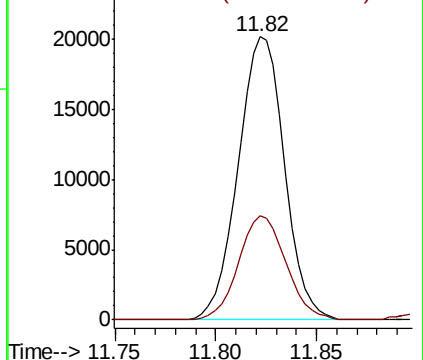
75 100

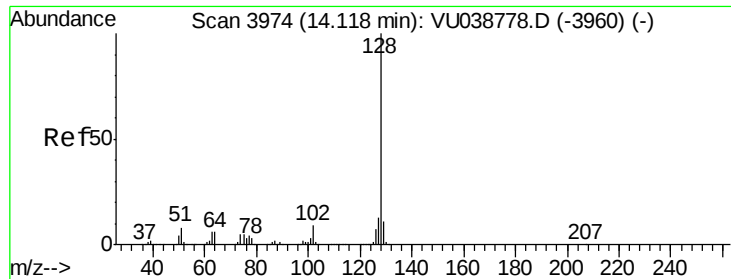
77 37.6 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VU038778.D (-2941) (-)

Ion 77.00 (76.70 to 77.70): VU038778.D (-2941) (-)





#69

Naphthalene

Concen: 1.094 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU038793.D

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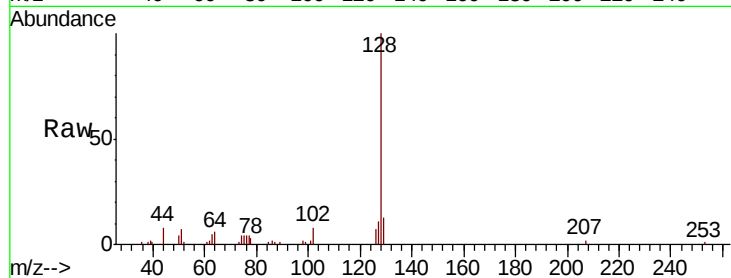
Tot Ion:128 Resp: 20083

Ion Ratio Lower Upper

128 100

127 12.2 10.6 16.0

129 12.1 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

