

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061120\
 Data File : VU038783.D
 Acq On : 10 Jun 2020 18:11
 Operator : SY/MD
 Sample : L2913-06 200X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9D85DL

Quant Time: Jun 11 03:44:48 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	566119	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.43	117	548146	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	254308	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	174842	55.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	110.56%
7) Chloroethane-d5	1.93	69	142601	58.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	116.24%
11) 1,1-Dichloroethene-d2	2.59	63	268518	38.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.90%
21) 2-Butanone-d5	4.66	46	329302	107.02	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.02%
24) Chloroform-d	5.10	84	341618	50.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.18%
26) 1,2-Dichloroethane-d4	5.74	65	234356	51.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.70%
32) Benzene-d6	5.76	84	690485	52.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.58%
36) 1,2-Dichloropropane-d6	6.72	67	211724	52.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.06%
41) Toluene-d8	7.92	98	593147	49.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.42%
43) trans-1,3-Dichloropropene-	8.20	79	99447	48.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.08%
47) 2-Hexanone-d5	8.65	63	231009	106.65	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.65%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	296134	48.79	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.58%
64) 1,2-Dichlorobenzene-d4	12.20	152	238656	54.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.10%

Target Compounds

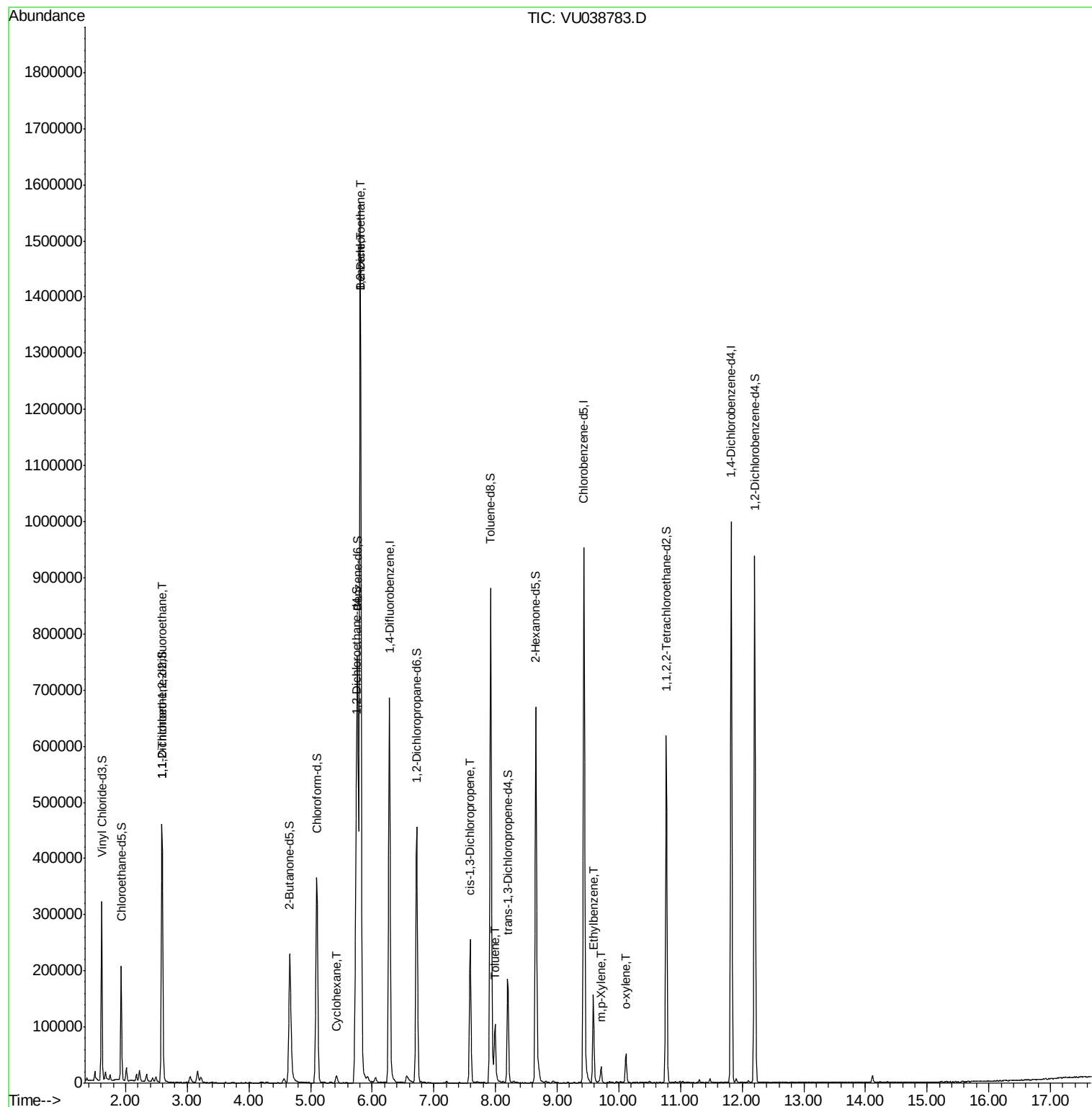
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2701	0.743	ug/L #	21
27) 1,2-Dichloroethane	5.81	62	13183	2.143	ug/L #	74
29) Cyclohexane	5.42	56	6229	0.993	ug/L	98
33) Benzene	5.81	78	1470890	90.363	ug/L	100
39) cis-1,3-Dichloropropene	7.59	75	6362	0.973	ug/L #	59
42) Toluene	7.99	91	72498	4.260	ug/L	100
52) Ethylbenzene	9.59	91	110432	5.879	ug/L	99
53) m,p-Xylene	9.71	106	7414	1.028	ug/L	88
54) o-xylene	10.11	106	13857	1.980	ug/L	97

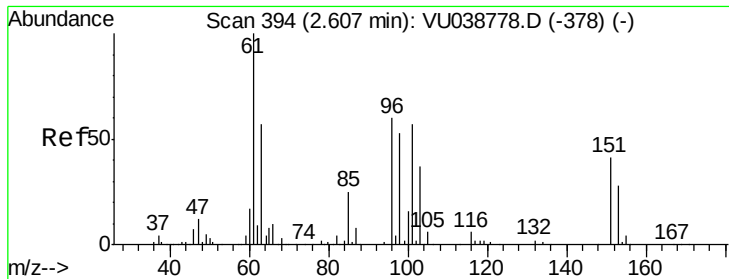
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jun 11 03:42:48 2020
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.743 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.02 min

Lab File: VU038783.D

Acq: 10 Jun 2020 18:11

Instrument :

MSVOA_U

ClientSampled :

F9D85DL

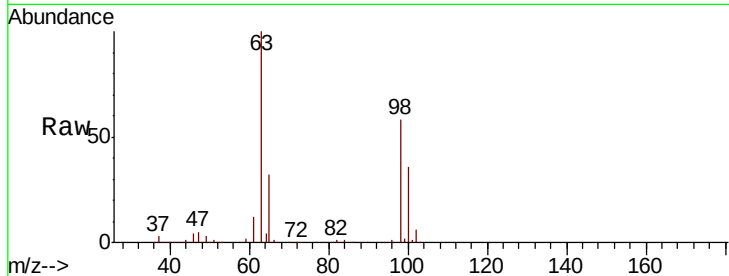
Tot Ion:101 Resp: 2701

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

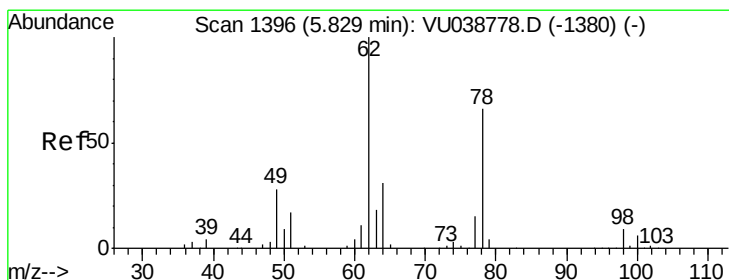
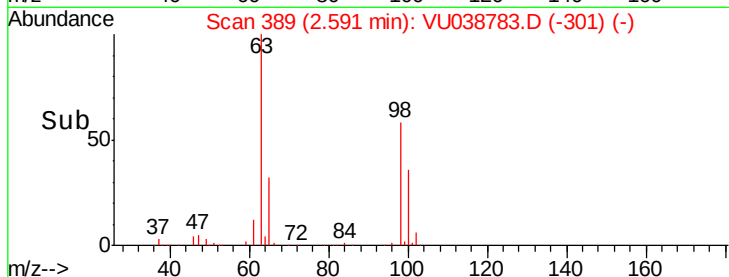
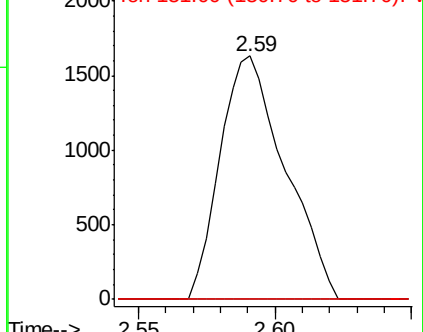
151 0.0 57.4 86.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#27

1,2-Dichloroethane

Concen: 2.143 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. -0.02 min

Lab File: VU038783.D

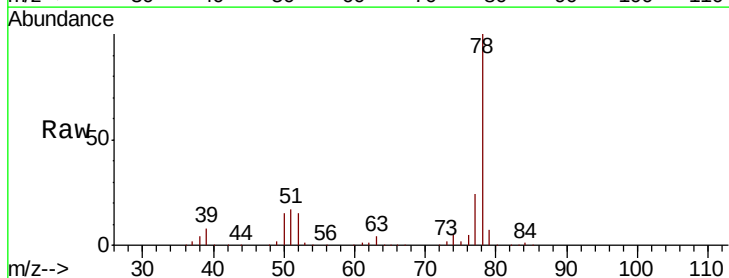
Acq: 10 Jun 2020 18:11

Tgt Ion: 62 Resp: 13183

Ion Ratio Lower Upper

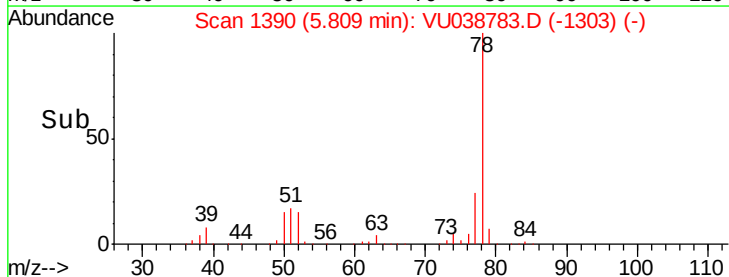
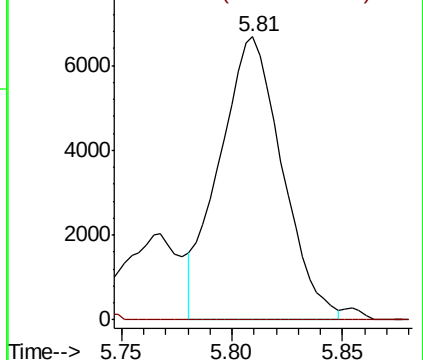
62 100

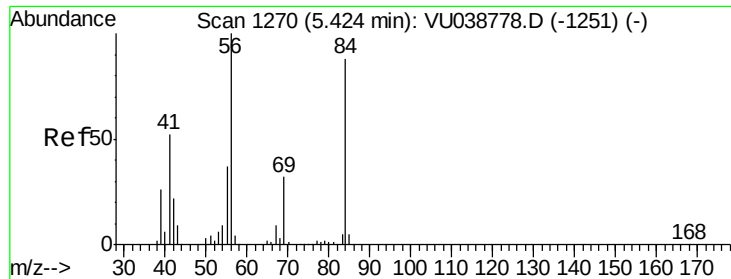
98 0.0 7.8 11.6#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

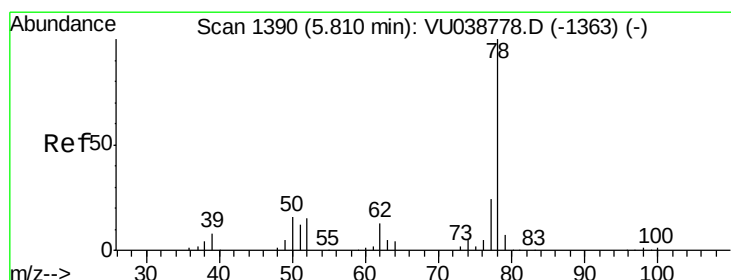
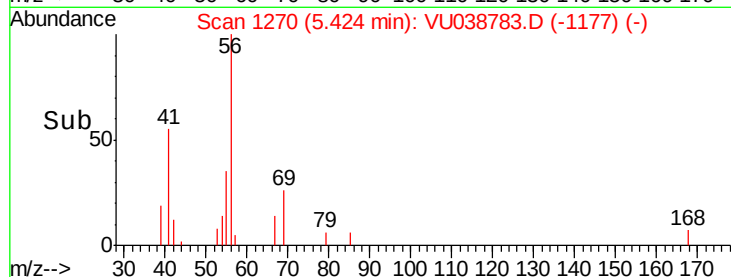
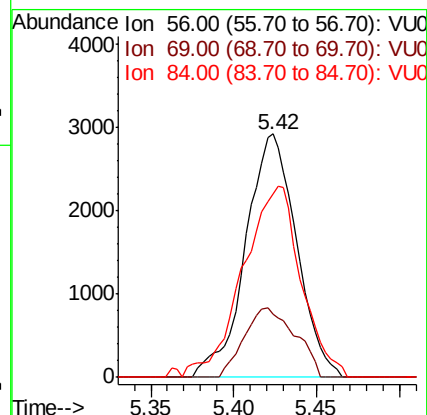
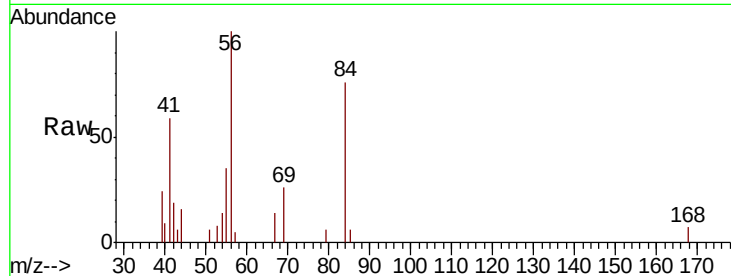




#29
Cyclohexane
Concen: 0.993 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU038783.D
Acq: 10 Jun 2020 18:11

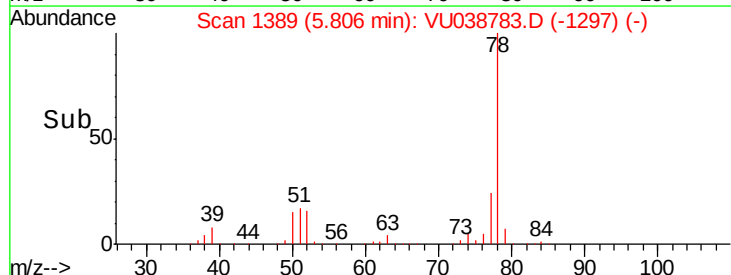
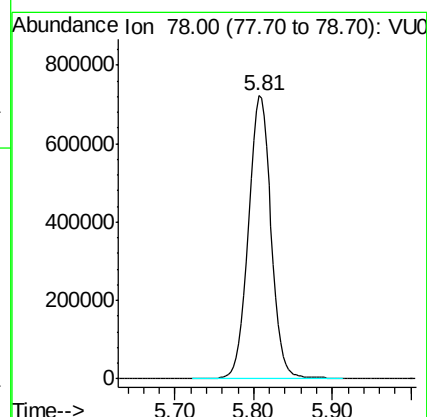
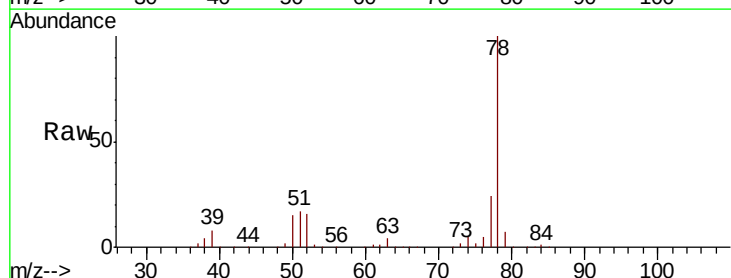
Instrument :
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F9D85DL

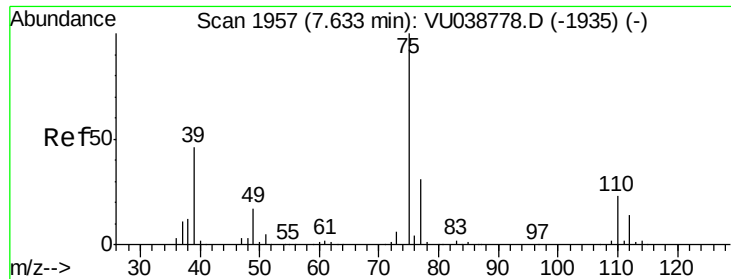
Tot Ion: 56 Resp: 6229
Ion Ratio Lower Upper
56 100
69 28.5 25.1 37.7
84 87.7 70.5 105.7



#33
Benzene
Concen: 90.363 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU038783.D
Acq: 10 Jun 2020 18:11

Tgt Ion: 78 Resp: 1470890

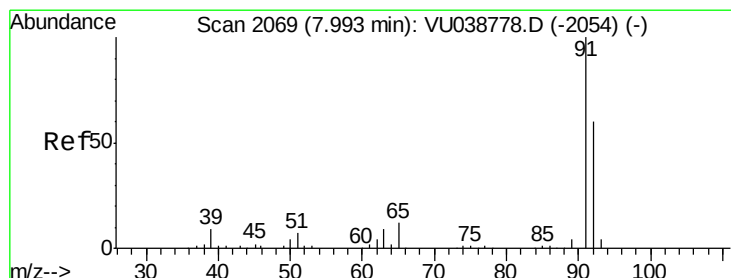
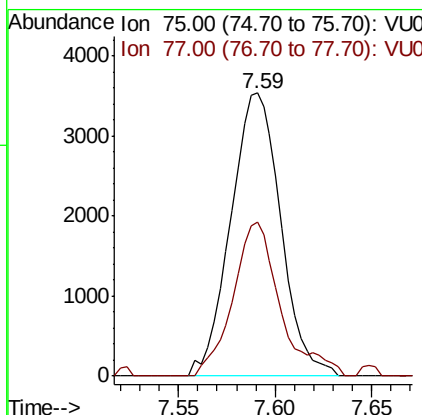
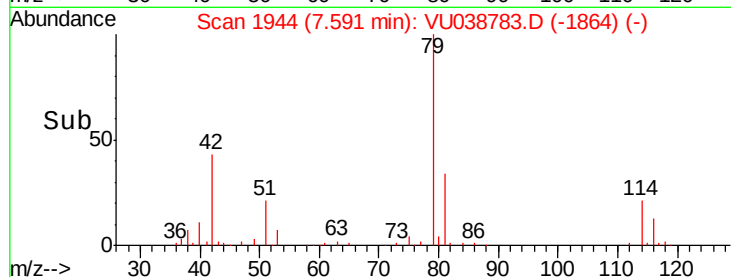
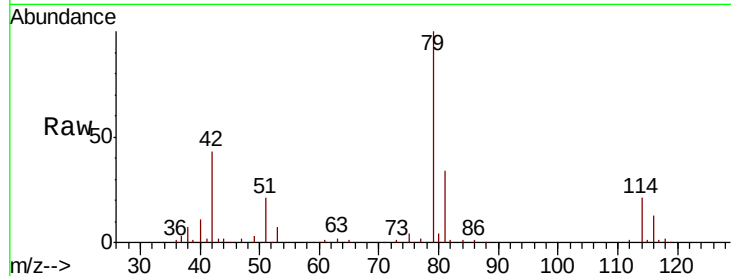




#39
 cis-1,3-Dichloropropene
 Concen: 0.973 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU038783.D
 Acq: 10 Jun 2020 18:11

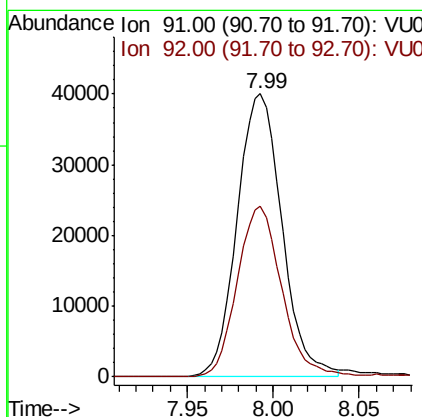
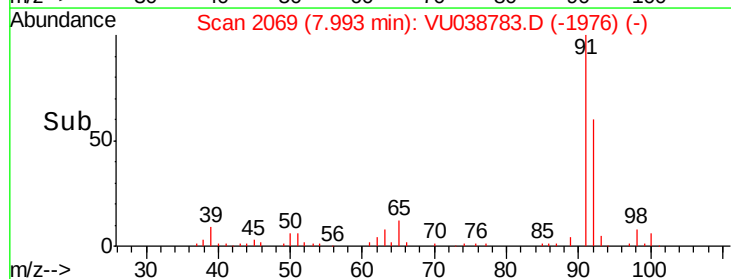
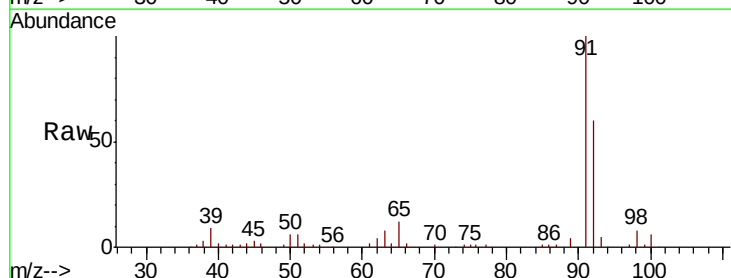
Instrument :
 MSVOA_U
 ClientSampleId :
 F9D85DL

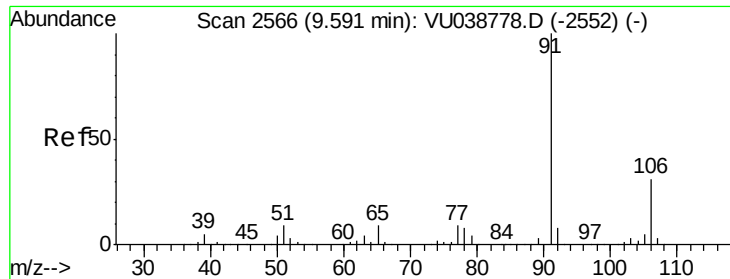
Tot Ion: 75 Resp: 6362
 Ion Ratio Lower Upper
 75 100
 77 54.5 22.2 41.2#



#42
 Toluene
 Concen: 4.260 ug/L
 RT: 7.99 min Scan# 2069
 Delta R.T. -0.00 min
 Lab File: VU038783.D
 Acq: 10 Jun 2020 18:11

Tgt Ion: 91 Resp: 72498
 Ion Ratio Lower Upper
 91 100
 92 60.1 42.2 78.4





#52

Ethylbenzene

Concen: 5.879 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038783.D

Acq: 10 Jun 2020 18:11

Instrument :

MSVOA_U

ClientSampleId :

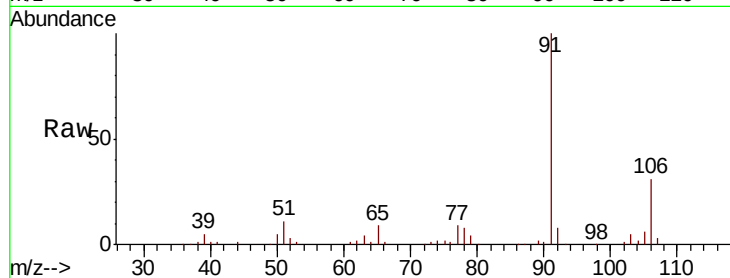
F9D85DL

Tot Ion: 91 Resp: 110432

Ion Ratio Lower Upper

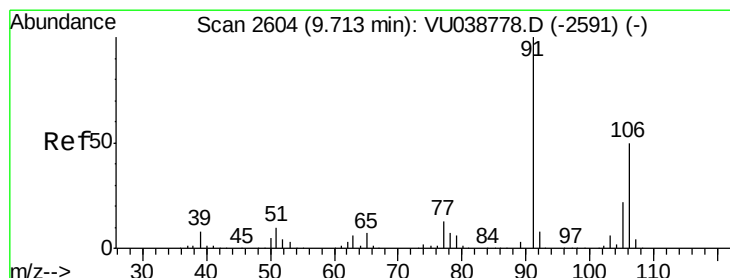
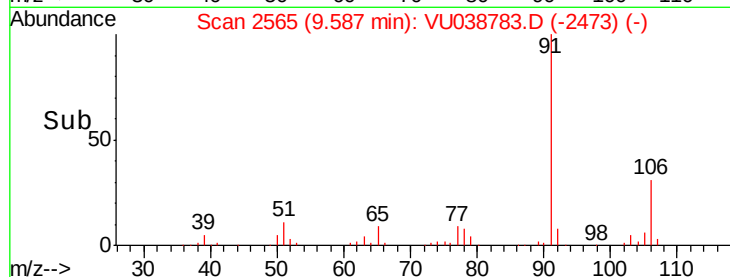
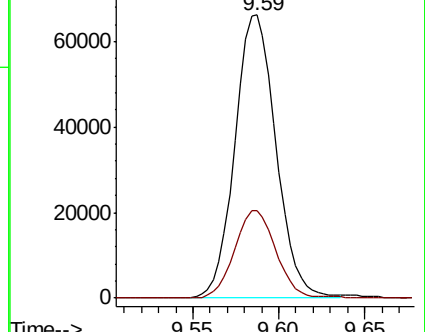
91 100

106 31.1 21.5 39.9



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

Ion 106.00 (105.70 to 106.70): VU038778.D (-2552) (-)



#53

m,p-Xylene

Concen: 1.028 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU038783.D

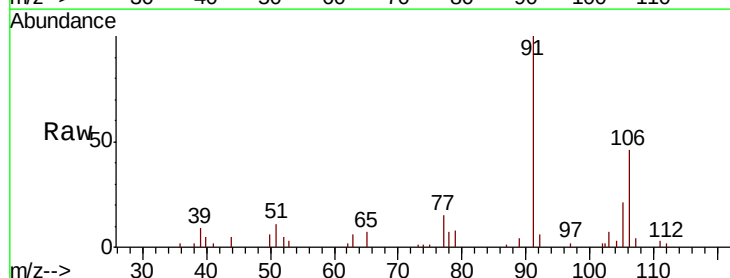
Acq: 10 Jun 2020 18:11

Tgt Ion: 106 Resp: 7414

Ion Ratio Lower Upper

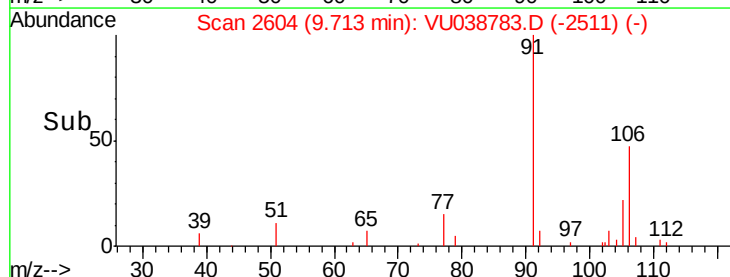
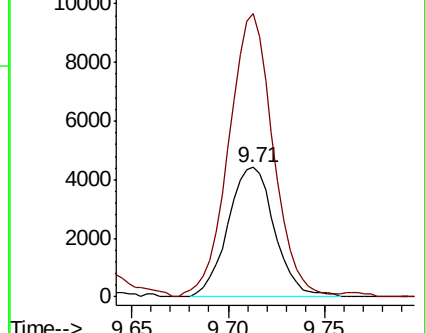
106 100

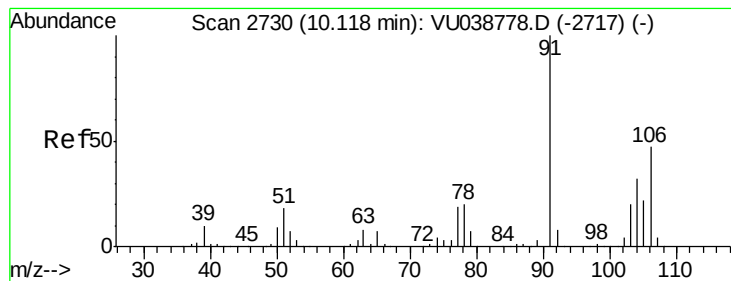
91 218.5 140.1 260.3



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

Ion 91.00 (90.70 to 91.70): VU038778.D (-2591) (-)





#54
 o-xylene
 Concen: 1.980 ug/L
 RT: 10.11 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: VU038783.D
 Acq: 10 Jun 2020 18:11

Instrument :
 MSVOA_U
 ClientSampleId :
 F9D85DL

Tot Ion:106 Resp: 13857
 Ion Ratio Lower Upper
 106 100
 91 221.0 151.2 280.8

