

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053120\
 Data File : VU038419.D
 Acq On : 30 May 2020 17:34
 Operator : JC/MD
 Sample : L2766-05DL 200X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 01 02:40:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 01 02:37:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	336865	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	334417	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	161165	5.00	ug/L	0.00

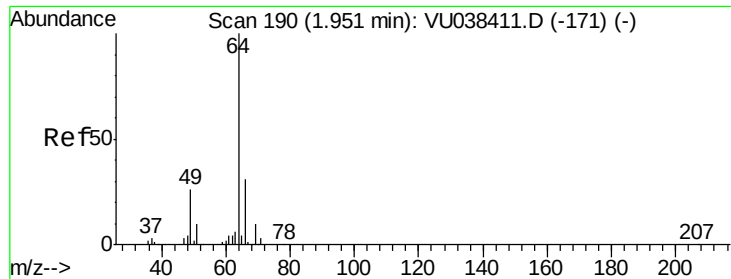
System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	108123	4.96	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.20%
7) Chloroethane-d5	1.93	69	88827	5.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.00%
11) 1,1-Dichloroethene-d2	2.59	63	157533	3.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.40%
20) 2-Butanone-d5	4.67	46	373645	56.42	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.84%
24) Chloroform-d	5.10	84	209865	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.40%
26) 1,2-Dichloroethane-d4	5.74	65	125082	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.60%
32) Benzene-d6	5.76	84	431692	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
36) 1,2-Dichloropropane-d6	6.72	67	130582	5.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.80%
41) Toluene-d8	7.92	98	367903	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
43) trans-1,3-Dichloropropene-	8.20	79	55314	5.01	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.20%
46) 2-Hexanone-d5	8.65	63	319483	58.60	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.20%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	112553	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.20%
64) 1,2-Dichlorobenzene-d4	12.20	152	150197	5.40	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.95	64	4312	0.275	ug/L	98
16) Methylene chloride	3.08	84	1778	0.076	ug/L	83
27) 1,2-Dichloroethane	5.81	62	5826	0.204	ug/L #	74
33) Benzene	5.81	78	601572	6.451	ug/L	100
37) 1,2-Dichloropropane	6.72	63	13800	0.588	ug/L #	86
39) cis-1,3-Dichloropropene	7.59	75	3530	0.102	ug/L #	46
42) Toluene	7.99	91	1035898	10.591	ug/L	98
48) 2-Hexanone	8.71	43	13702	1.078	ug/L #	89
51) Chlorobenzene	9.47	112	37175	0.589	ug/L	98
52) Ethylbenzene	9.59	91	140159	1.288	ug/L	99
53) m,p-Xylene	9.71	106	121183	2.896	ug/L	95
54) o-Xylene	10.12	106	43207	1.075	ug/L	99
59) 1,2,3-Trichloropropane	11.83	75	22126	1.263	ug/L	95

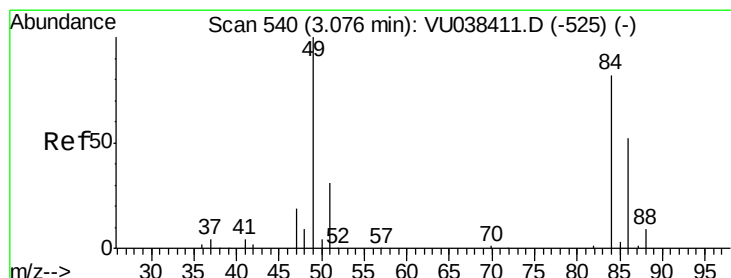
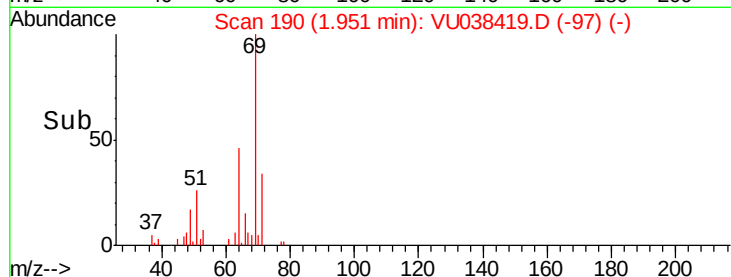
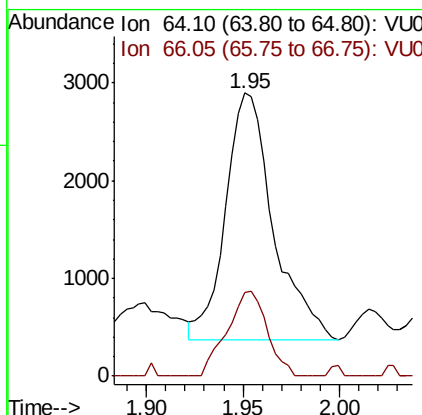
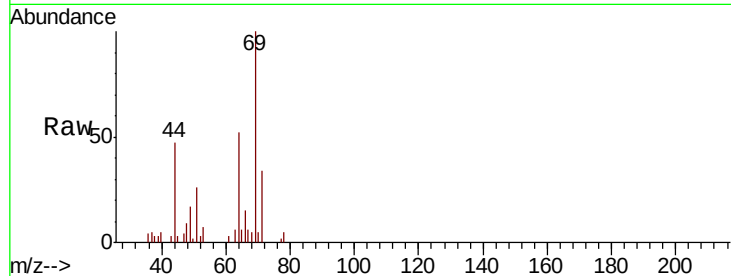
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#8
Chloroethane
Concen: 0.275 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU038419.D
Acq: 30 May 2020 17:34

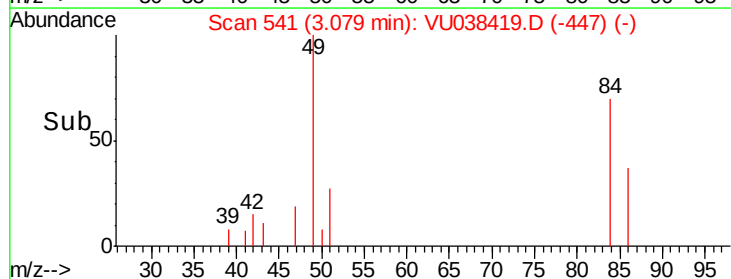
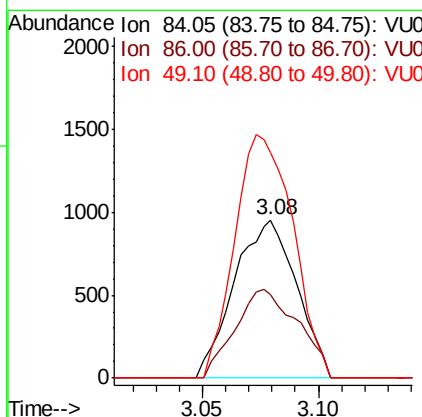
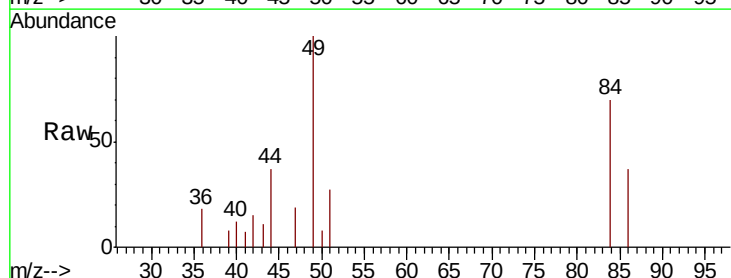
Instrument :
MSVOA_U
ClientSampleId :

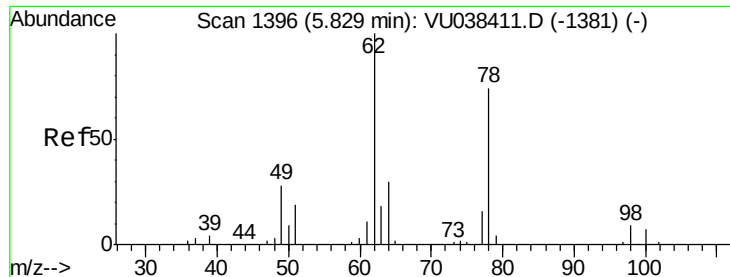
Tot Ion: 64 Resp: 4312
Ion Ratio Lower Upper
64 100
66 29.7 21.5 39.9



#16
Methylene chloride
Concen: 0.076 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU038419.D
Acq: 30 May 2020 17:34

Tgt Ion: 84 Resp: 1778
Ion Ratio Lower Upper
84 100
86 53.2 45.0 83.6
49 142.9 85.5 158.9

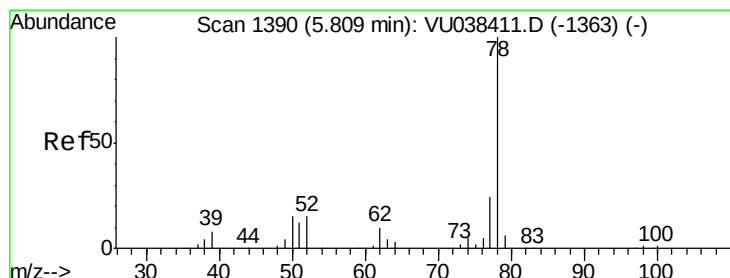
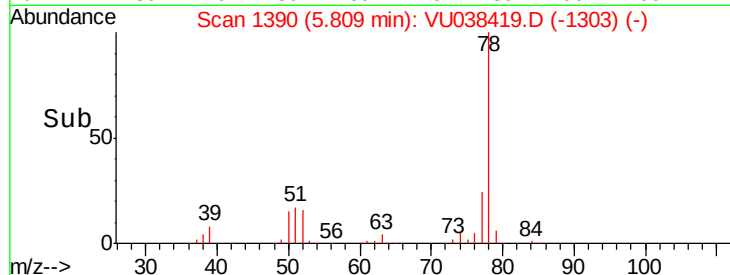
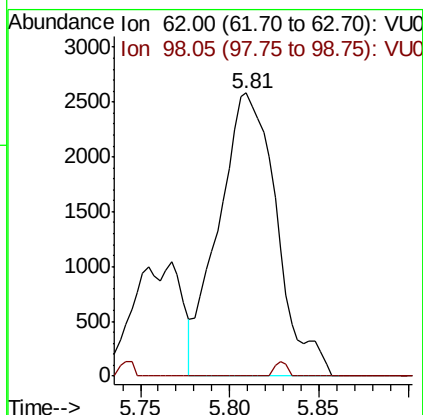
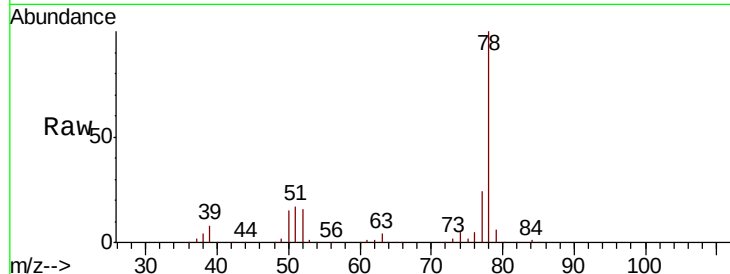




#27
 1,2-Dichloroethane
 Concen: 0.204 ug/L
 RT: 5.81 min Scan# 1390
 Delta R.T. -0.02 min
 Lab File: VU038419.D
 Acq: 30 May 2020 17:34

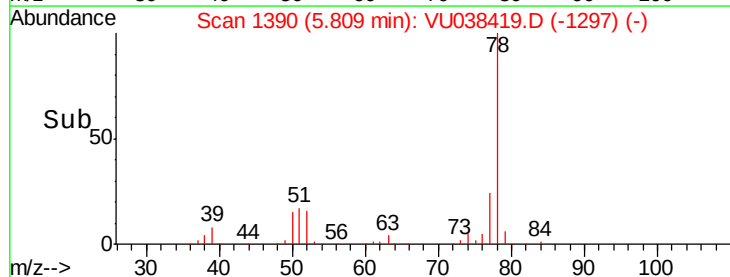
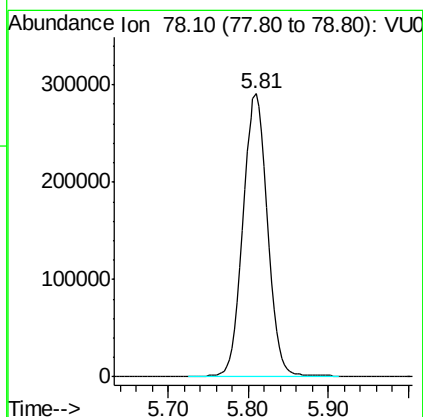
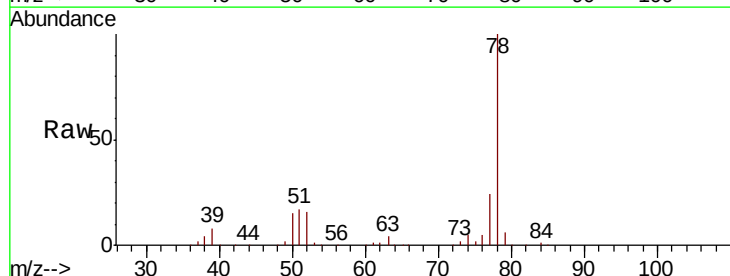
Instrument :
 MSVOA_U
 ClientSampled :

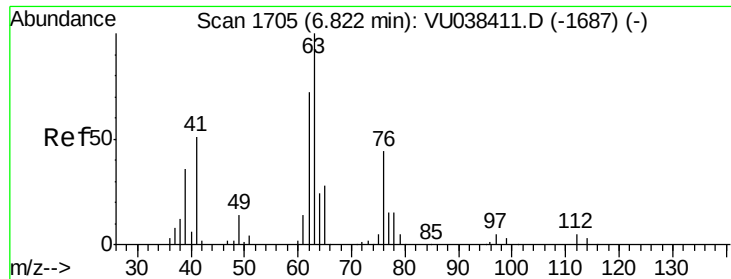
Tot Ion: 62 Resp: 5826
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.4 11.2#



#33
 Benzene
 Concen: 6.451 ug/L
 RT: 5.81 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VU038419.D
 Acq: 30 May 2020 17:34

Tgt Ion: 78 Resp: 601572

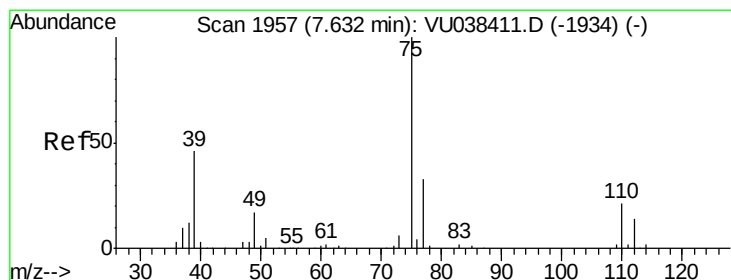
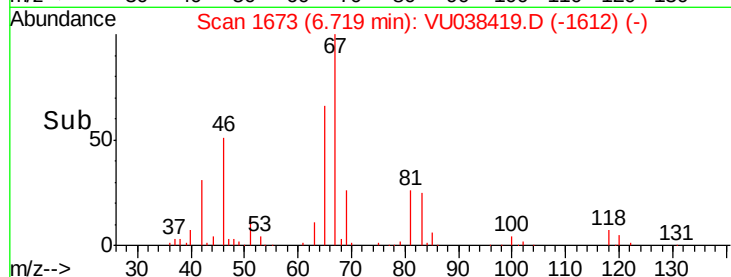
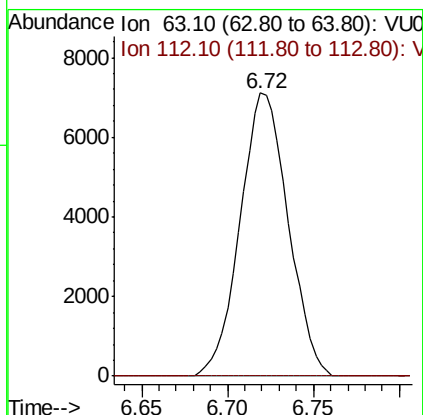
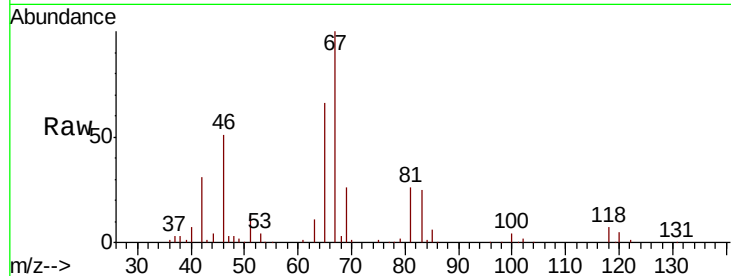




#37
 1,2-Dichloropropane
 Concen: 0.588 ug/L
 RT: 6.72 min Scan# 1673
 Delta R.T. -0.10 min
 Lab File: VU038419.D
 Acq: 30 May 2020 17:34

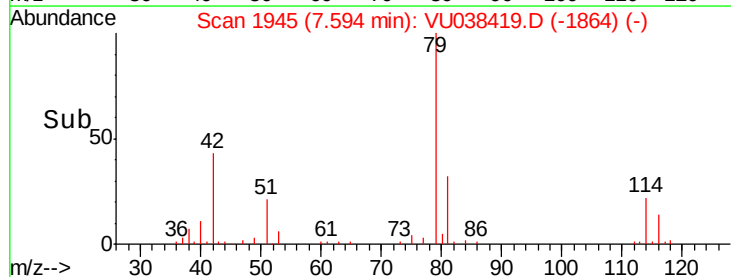
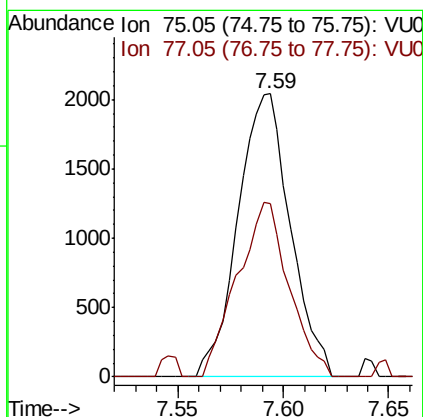
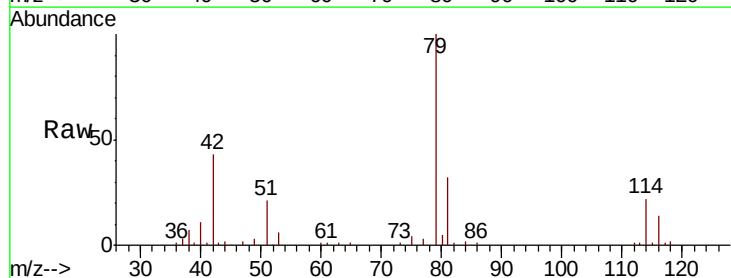
Instrument :
 MSVOA_U
 ClientSampleId :

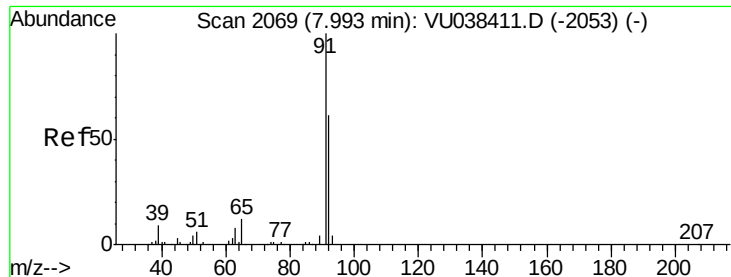
Tot Ion: 63 Resp: 13800
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#



#39
 cis-1,3-Dichloropropene
 Concen: 0.102 ug/L
 RT: 7.59 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: VU038419.D
 Acq: 30 May 2020 17:34

Tgt Ion: 75 Resp: 3530
 Ion Ratio Lower Upper
 75 100
 77 61.3 21.9 40.7#





#42

Toluene

Concen: 10.591 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038419.D

Acq: 30 May 2020 17:34

Instrument :

MSVOA_U

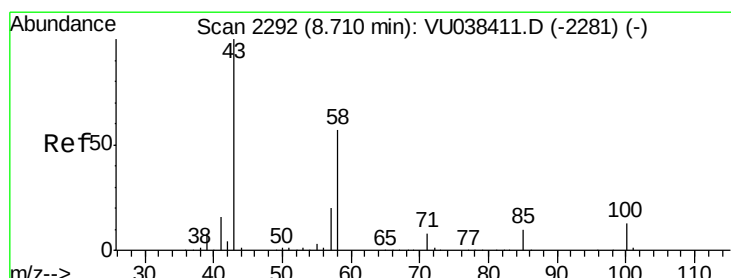
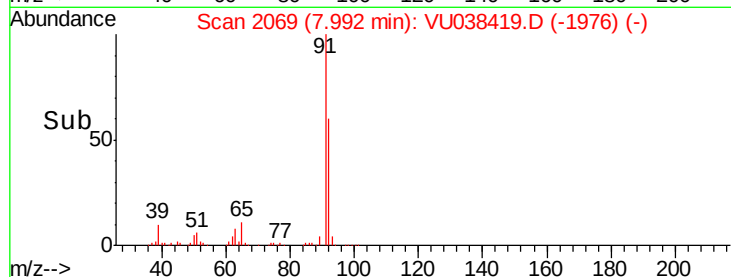
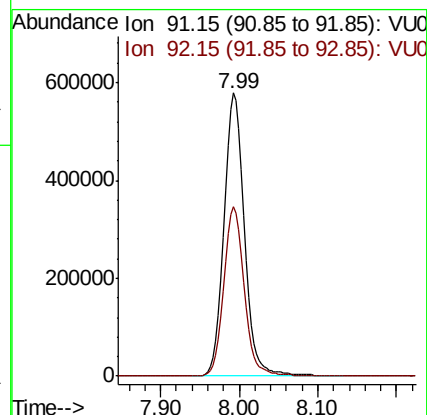
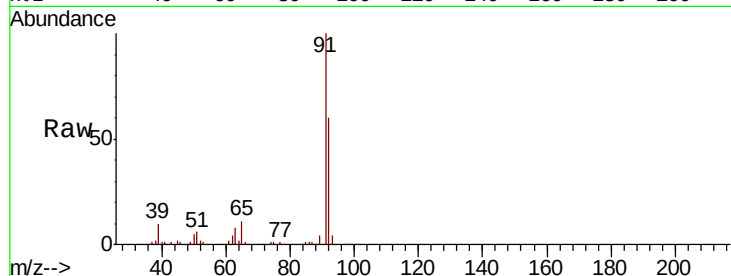
ClientSampleId :

Tot Ion: 91 Resp: 1035898

Ion Ratio Lower Upper

91 100

92 59.8 43.0 79.8



#48

2-Hexanone

Concen: 1.078 ug/L

RT: 8.71 min Scan# 2291

Delta R.T. -0.00 min

Lab File: VU038419.D

Acq: 30 May 2020 17:34

Tgt Ion: 43 Resp: 13702

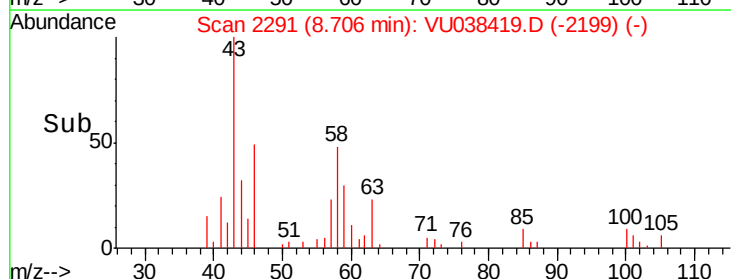
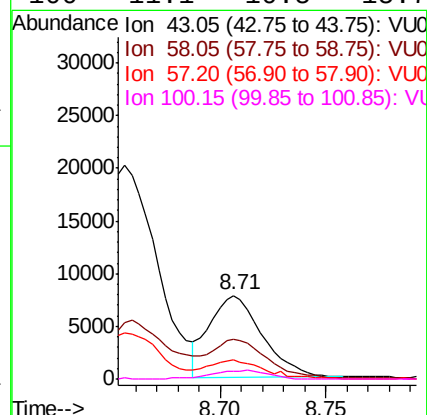
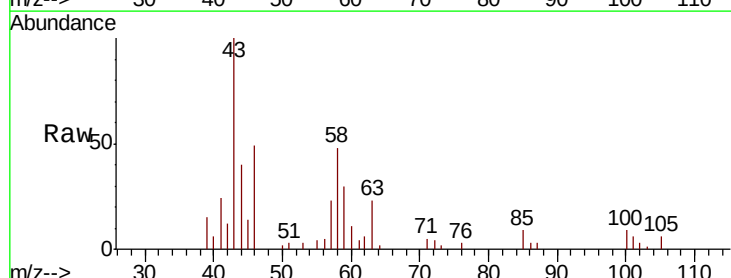
Ion Ratio Lower Upper

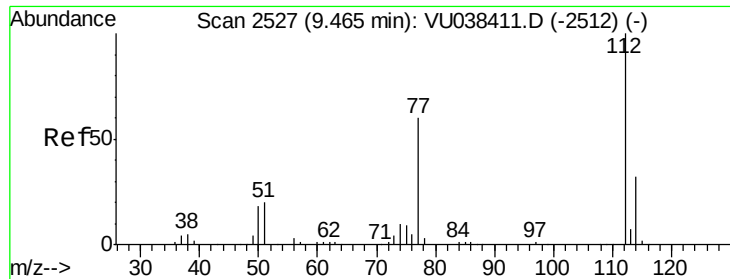
43 100

58 47.7 45.4 68.0

57 24.9 15.9 23.9#

100 11.1 10.5 15.7

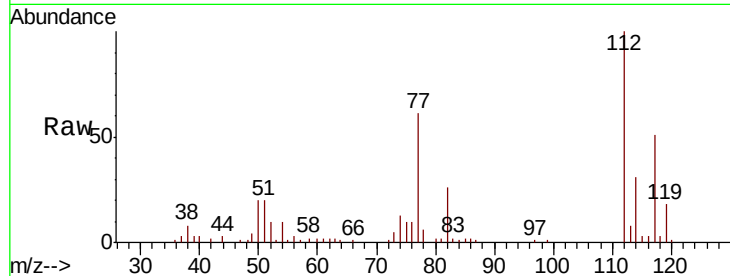




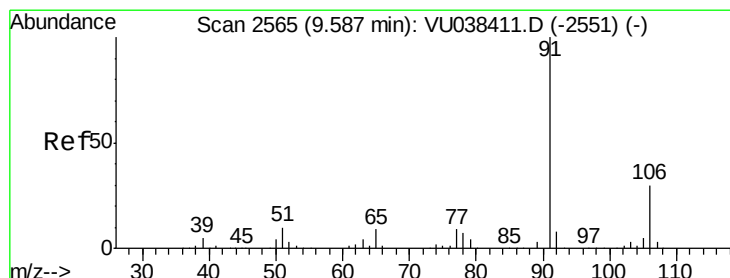
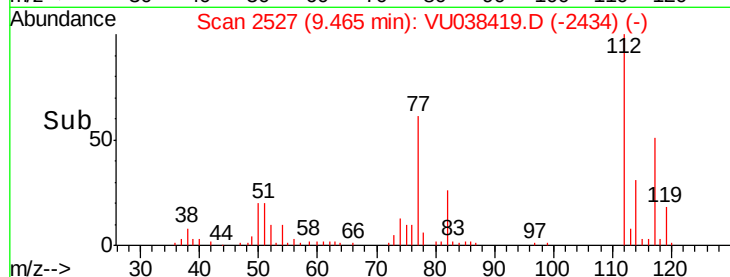
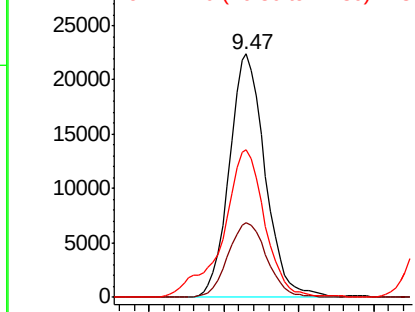
#51
Chlorobenzene
Concen: 0.589 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU038419.D
Acq: 30 May 2020 17:34

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:112 Resp: 37175
Ion Ratio Lower Upper
112 100
114 30.6 22.4 41.6
77 60.8 47.1 70.7

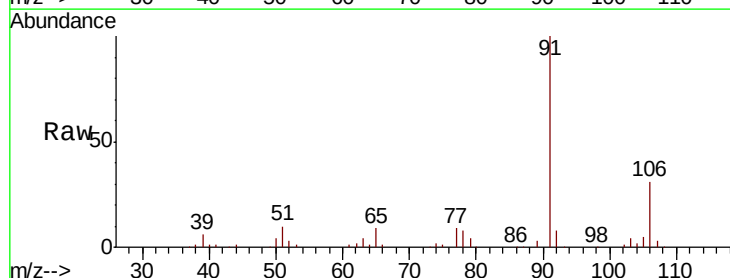


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

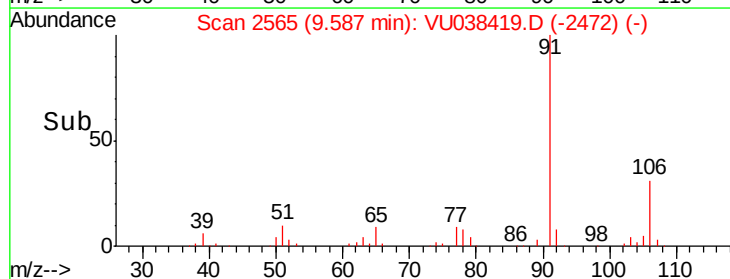
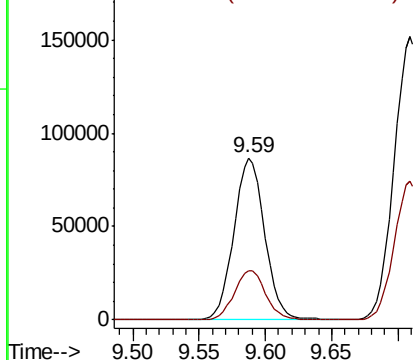


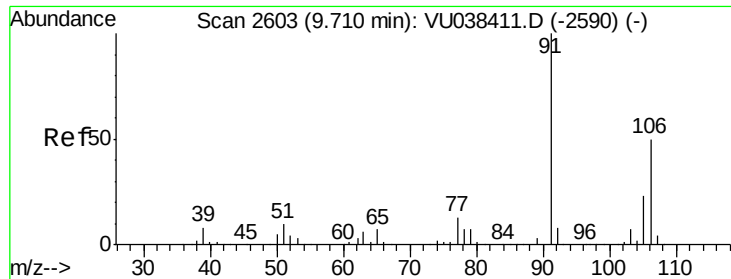
#52
Ethylbenzene
Concen: 1.288 ug/L
RT: 9.59 min Scan# 2565
Delta R.T. -0.00 min
Lab File: VU038419.D
Acq: 30 May 2020 17:34

Tgt Ion: 91 Resp: 140159
Ion Ratio Lower Upper
91 100
106 30.7 21.7 40.3



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





#53

m,p-Xylene

Concen: 2.896 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038419.D

Acq: 30 May 2020 17:34

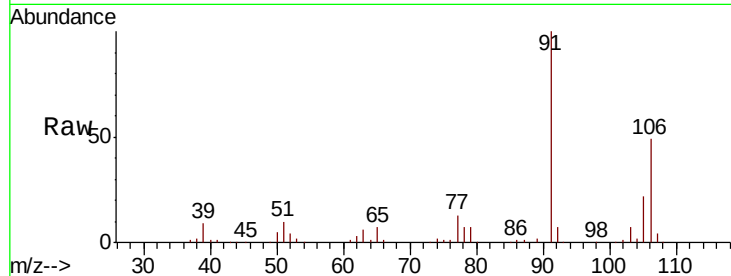
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 121183

Ion Ratio Lower Upper

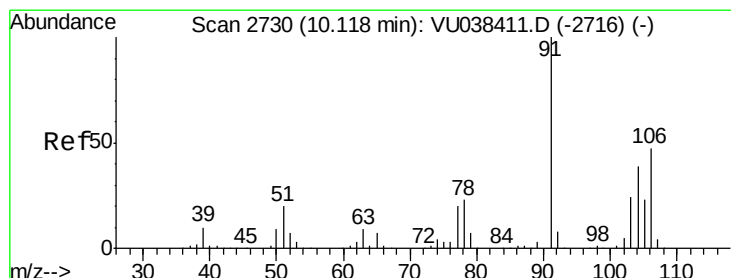
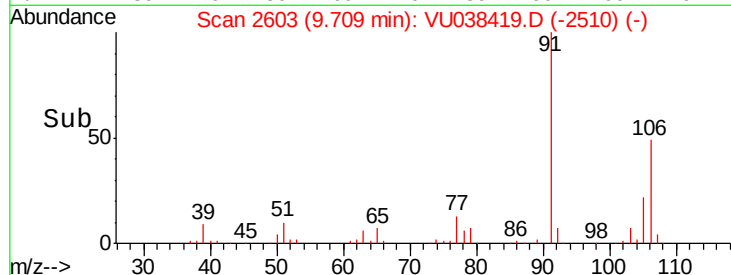
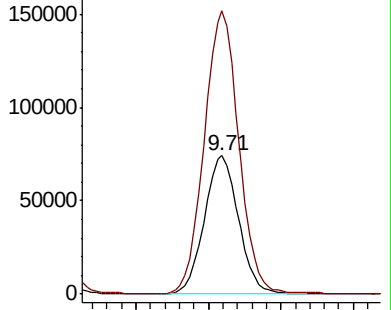
106 100

91 204.9 138.1 256.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 1.075 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VU038419.D

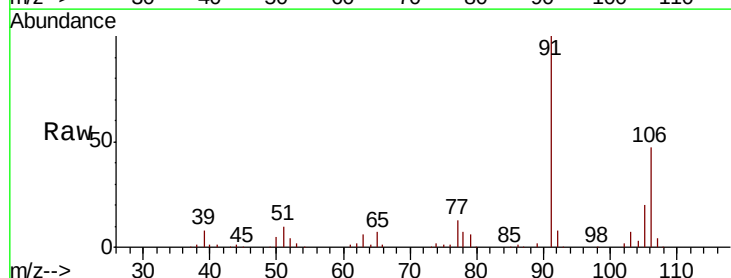
Acq: 30 May 2020 17:34

Tgt Ion:106 Resp: 43207

Ion Ratio Lower Upper

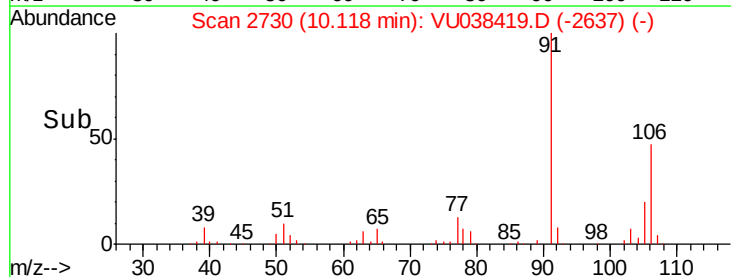
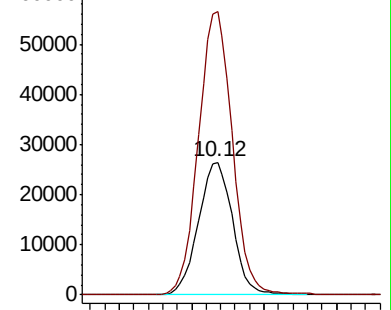
106 100

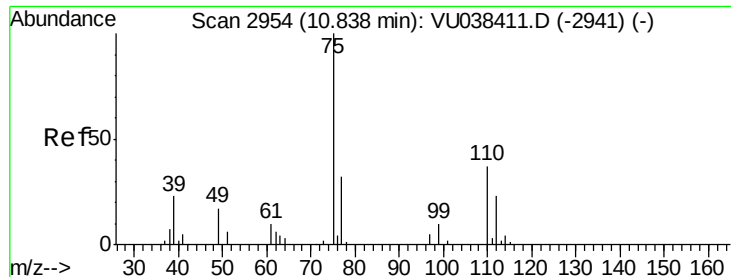
91 213.1 150.6 279.8



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: 1.263 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.99 min

Lab File: VU038419.D

Acq: 30 May 2020 17:34

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 22126

Ion Ratio Lower Upper

75 100

77 34.4 25.4 38.2

