

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052020\
 Data File : VU038249.D
 Acq On : 20 May 2020 15:52
 Operator : JC/MD
 Sample : L2724-05DL 200X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 21 01:16:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 21 01:14:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	360869	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	352426	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	172984	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	135459	4.10	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.00%
7) Chloroethane-d5	1.93	69	122014	4.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.40%
11) 1,1-Dichloroethene-d2	2.59	63	170385	3.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.80%
20) 2-Butanone-d5	4.67	46	419094	51.46	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.92%
24) Chloroform-d	5.10	84	220291	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.00%
26) 1,2-Dichloroethane-d4	5.74	65	132397	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
32) Benzene-d6	5.76	84	471280	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
36) 1,2-Dichloropropane-d6	6.72	67	152431	4.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.40%
41) Toluene-d8	7.92	98	410319	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.40%
43) trans-1,3-Dichloropropene-	8.20	79	58205	4.26	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.20%
46) 2-Hexanone-d5	8.65	63	319221	49.51	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.02%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	122616	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.20%
64) 1,2-Dichlorobenzene-d4	12.20	152	155057	4.61	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.20%

Target Compounds

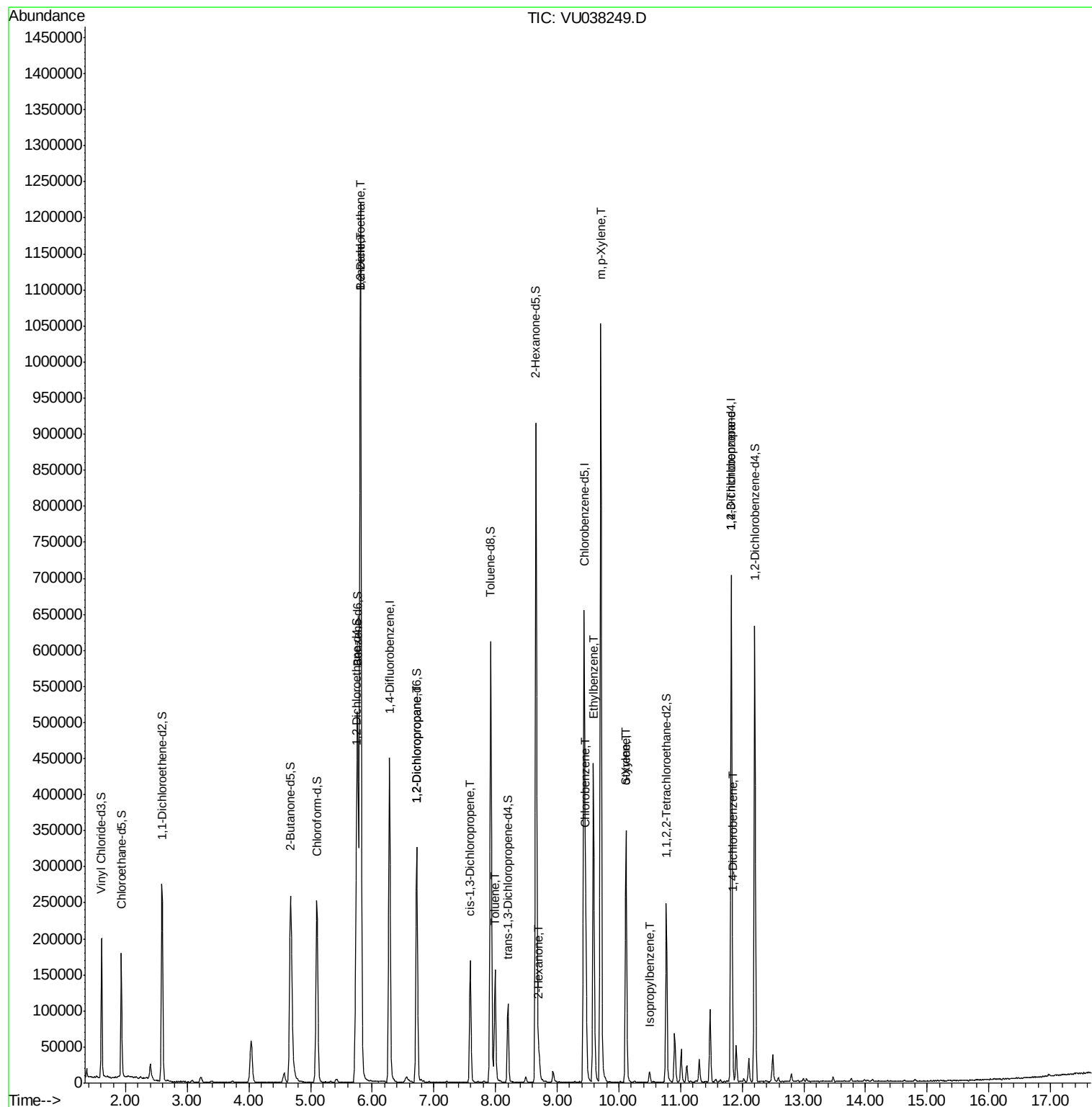
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
27) 1,2-Dichloroethane	5.81	62	10170	0.289	ug/L #	73
33) Benzene	5.81	78	1142822	10.126	ug/L	100
37) 1,2-Dichloropropane	6.72	63	15887	0.518	ug/L #	90
39) cis-1,3-Dichloropropene	7.59	75	3491	0.080	ug/L #	41
42) Toluene	7.99	91	111145	0.933	ug/L	100
48) 2-Hexanone	8.71	43	18678	1.200	ug/L	89
51) Chlorobenzene	9.47	112	111570	1.509	ug/L	99
52) Ethylbenzene	9.59	91	308386	2.390	ug/L	99
53) m,p-Xylene	9.71	106	300471	6.072	ug/L	98
54) o-Xylene	10.12	106	95238	1.991	ug/L	99
55) Styrene	10.12	104	5136	0.064	ug/L #	1
56) Isopropylbenzene	10.50	105	10310	0.084	ug/L	96
59) 1,2,3-Trichloropropane	11.82	75	26046	1.266	ug/L	95
63) 1,4-Dichlorobenzene	11.85	146	5729	0.100	ug/L	96

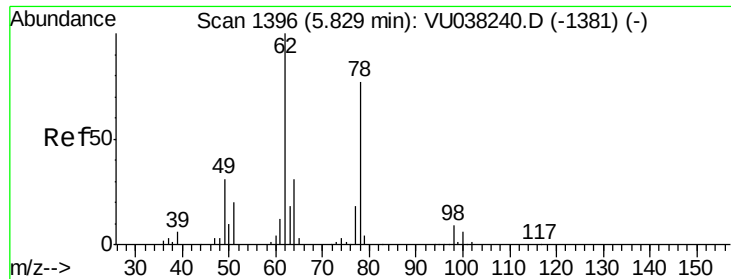
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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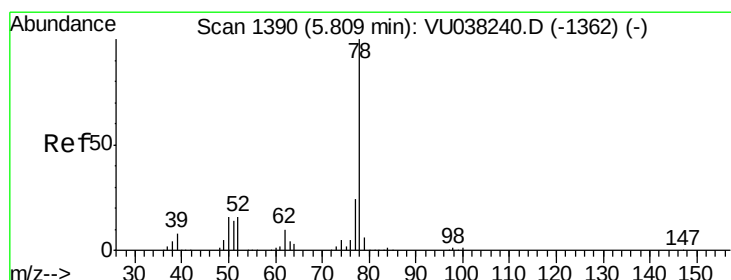
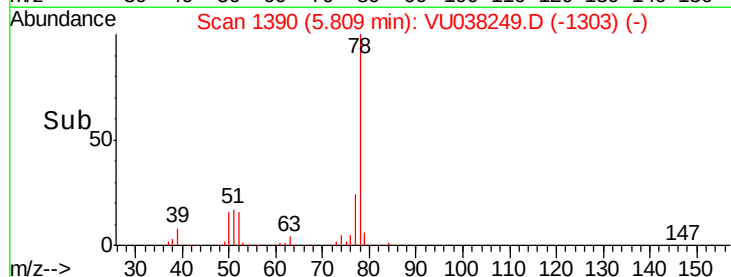
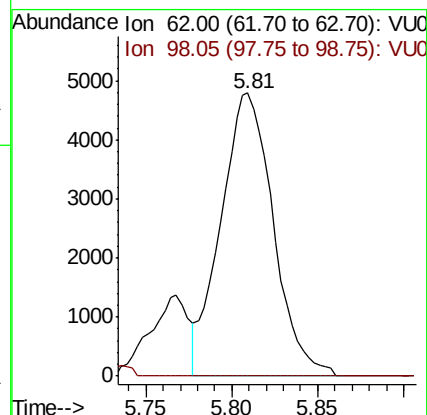
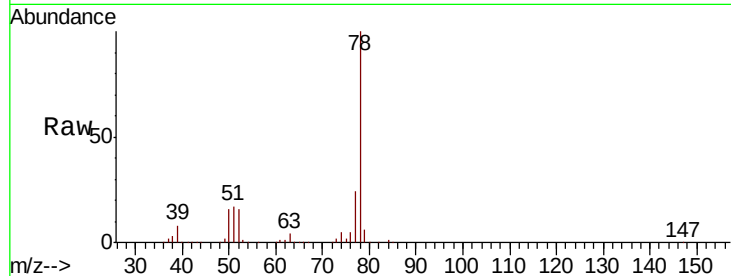




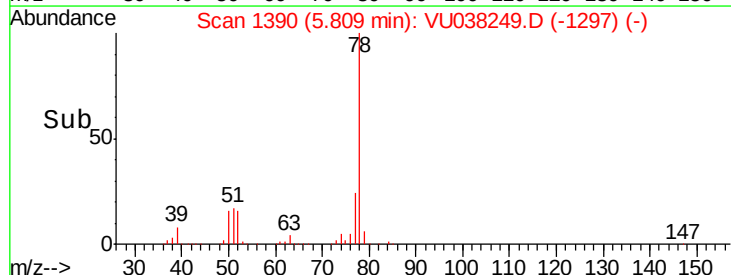
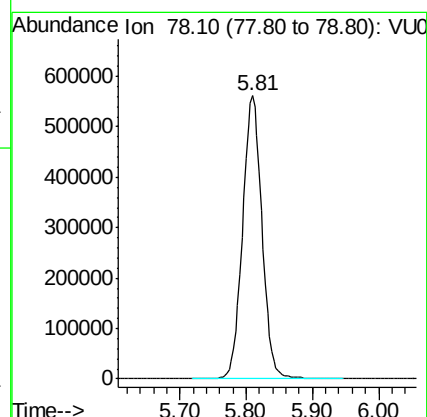
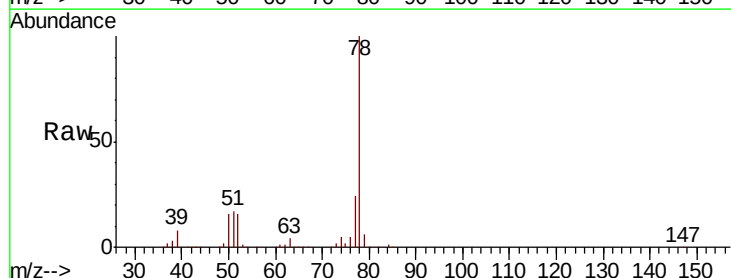
#27
 1,2-Dichloroethane
 Concen: 0.289 ug/L
 RT: 5.81 min Scan# 1390
 Delta R.T. -0.02 min
 Lab File: VU038249.D
 Acq: 20 May 2020 15:52

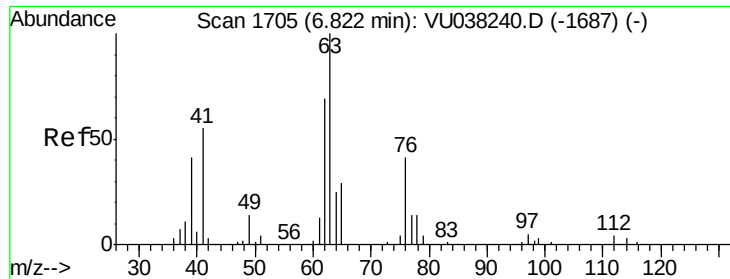
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 62 Resp: 10170
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.8 11.8#



#33
 Benzene
 Concen: 10.126 ug/L
 RT: 5.81 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VU038249.D
 Acq: 20 May 2020 15:52
 Tgt Ion: 78 Resp: 1142822

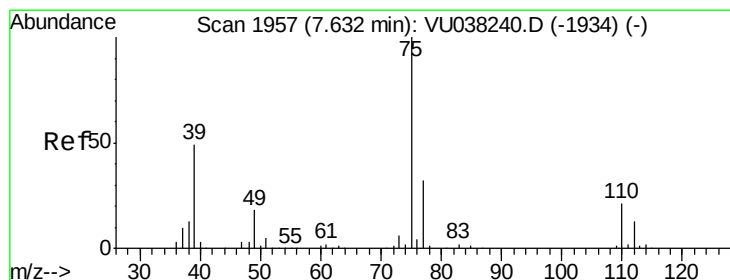
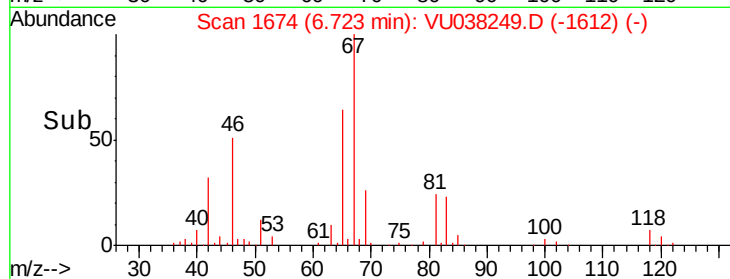
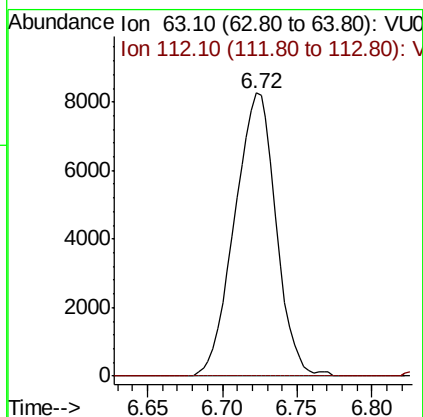
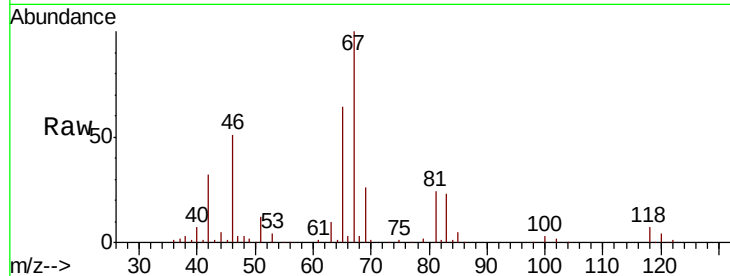




#37
 1,2-Dichloropropane
 Concen: 0.518 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU038249.D
 Acq: 20 May 2020 15:52

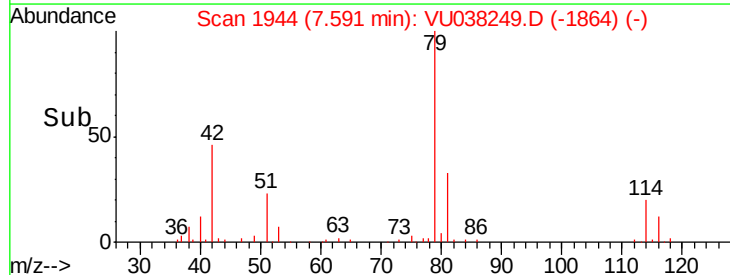
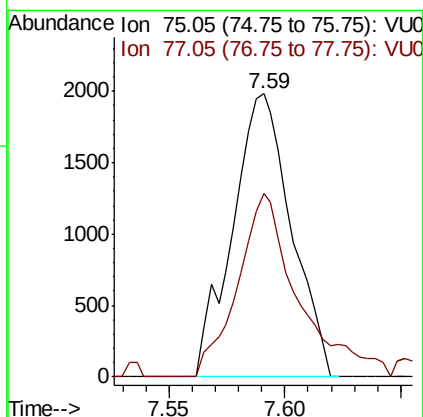
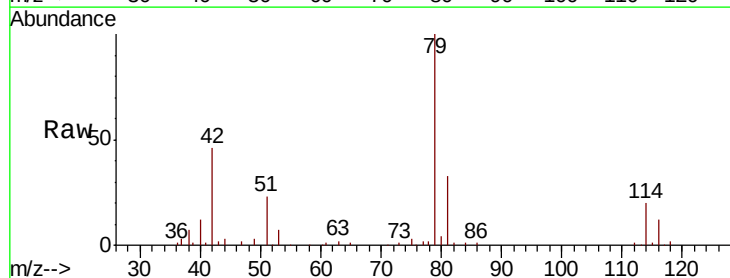
Instrument :
 MSVOA_U
 ClientSampleId :

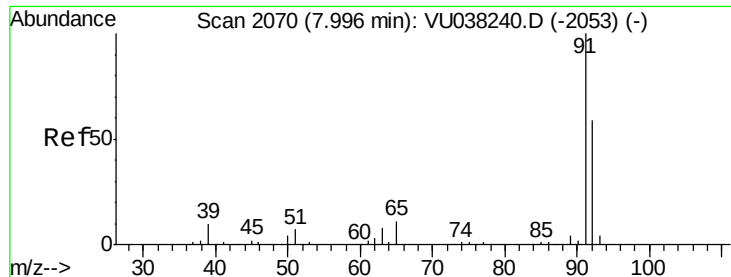
Tot Ion: 63 Resp: 15887
 Ion Ratio Lower Upper
 63 100
 112 0.7 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.080 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU038249.D
 Acq: 20 May 2020 15:52

Tgt Ion: 75 Resp: 3491
 Ion Ratio Lower Upper
 75 100
 77 64.9 22.4 41.6#





#42

Toluene

Concen: 0.933 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038249.D

Acq: 20 May 2020 15:52

Instrument :

MSVOA_U

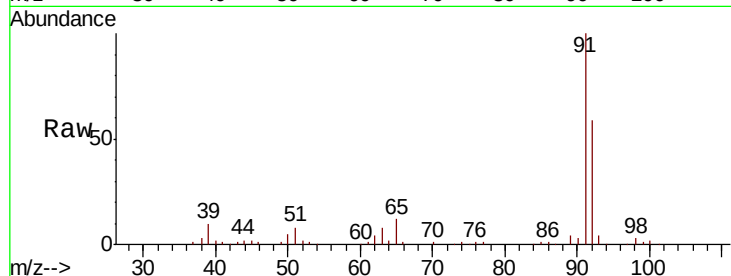
ClientSampleId :

Tot Ion: 91 Resp: 111145

Ion Ratio Lower Upper

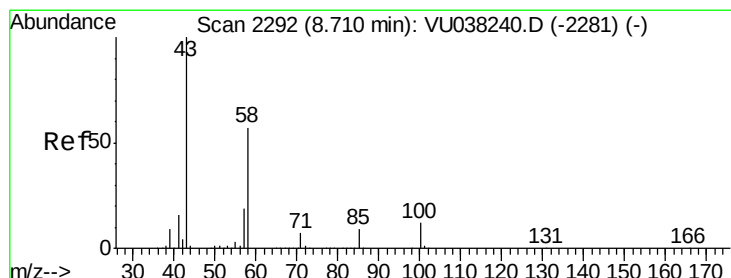
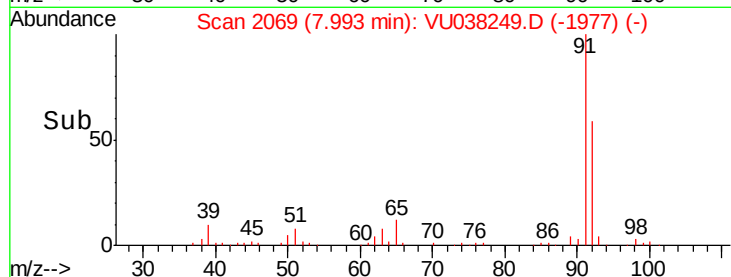
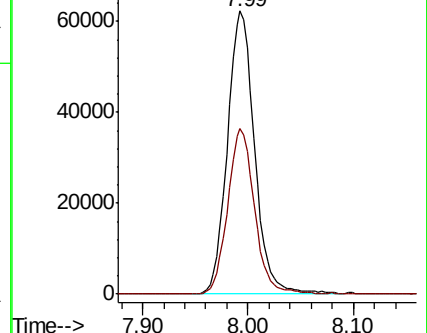
91 100

92 58.6 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU038240.D (-2053) (-)

Ion 92.15 (91.85 to 92.85): VU038240.D (-2053) (-)



#48

2-Hexanone

Concen: 1.200 ug/L

RT: 8.71 min Scan# 2291

Delta R.T. -0.00 min

Lab File: VU038249.D

Acq: 20 May 2020 15:52

Tgt Ion: 43 Resp: 18678

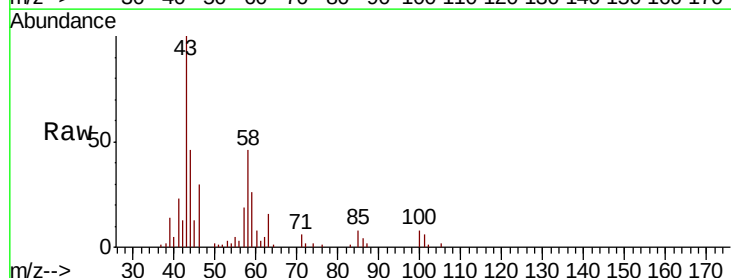
Ion Ratio Lower Upper

43 100

58 47.0 45.2 67.8

57 22.5 15.5 23.3

100 9.7 9.5 14.3

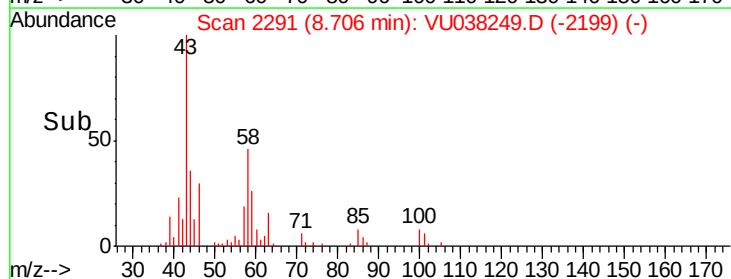
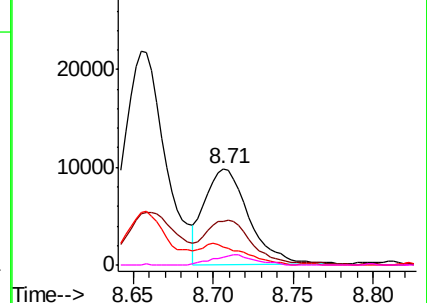


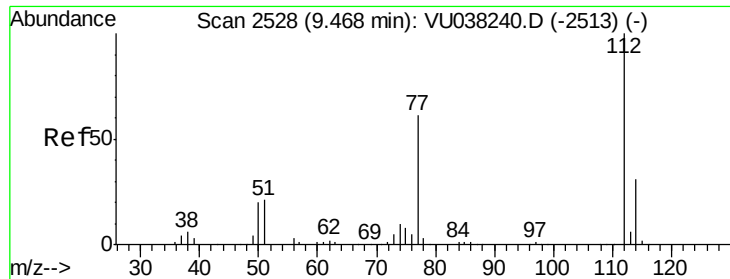
Abundance Ion 43.05 (42.75 to 43.75): VU038240.D (-2281) (-)

Ion 58.05 (57.75 to 58.75): VU038240.D (-2281) (-)

Ion 57.20 (56.90 to 57.90): VU038240.D (-2281) (-)

Ion 100.15 (99.85 to 100.85): VU038240.D (-2281) (-)





#51

Chlorobenzene

Concen: 1.509 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU038249.D

Acq: 20 May 2020 15:52

Instrument :

MSVOA_U

ClientSampleId :

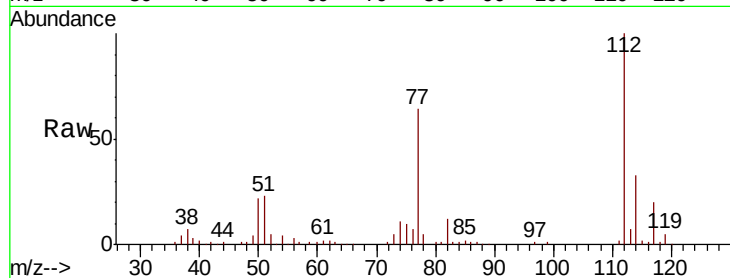
Tot Ion:112 Resp: 111570

Ion Ratio Lower Upper

112 100

114 32.9 22.5 41.7

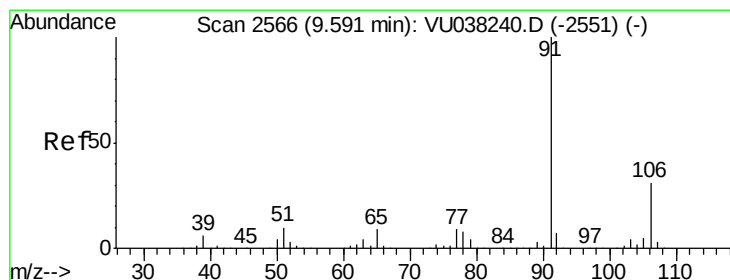
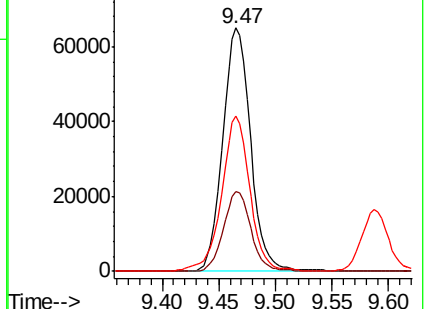
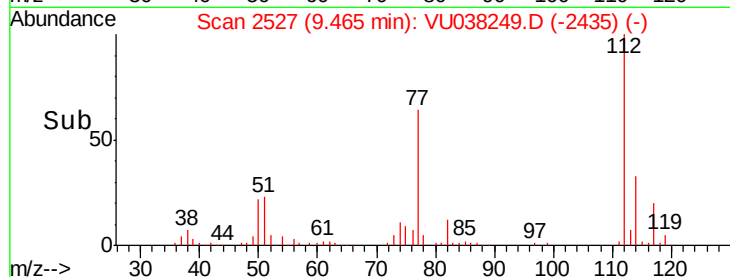
77 63.5 49.9 74.9



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): VU0



#52

Ethylbenzene

Concen: 2.390 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038249.D

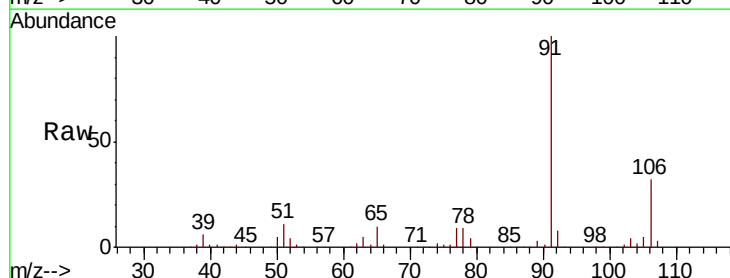
Acq: 20 May 2020 15:52

Tgt Ion: 91 Resp: 308386

Ion Ratio Lower Upper

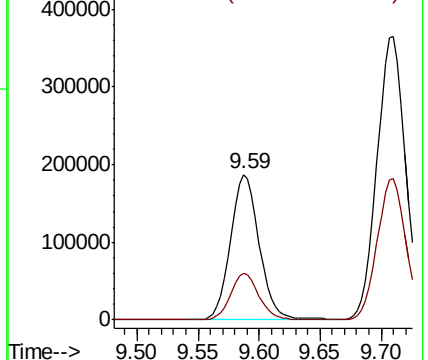
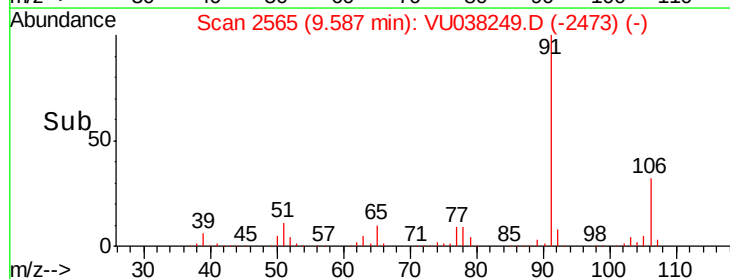
91 100

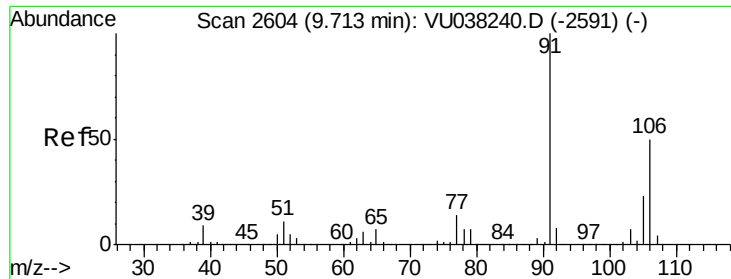
106 31.8 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 6.072 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038249.D

Acq: 20 May 2020 15:52

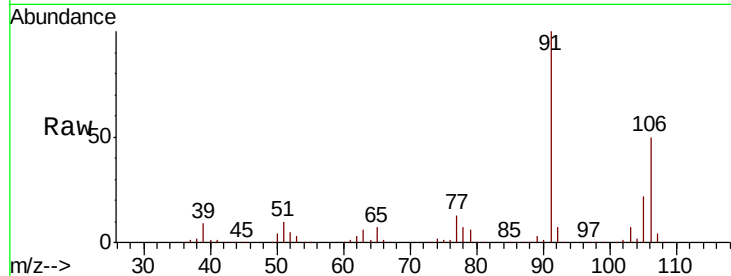
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 300471

Ion Ratio Lower Upper

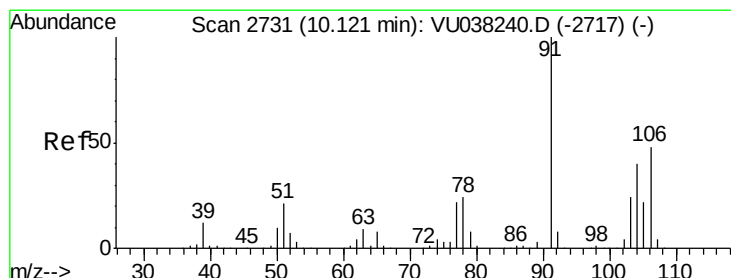
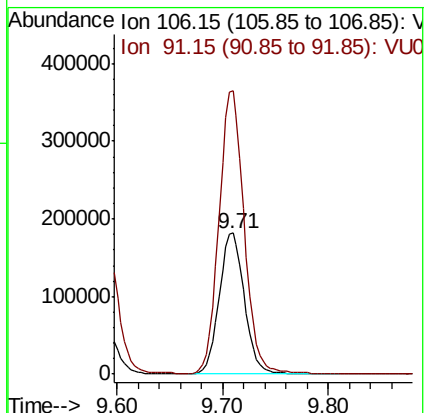
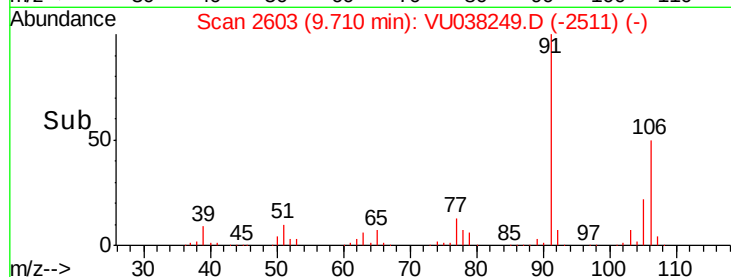
106 100

91 200.6 142.1 263.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 1.991 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VU038249.D

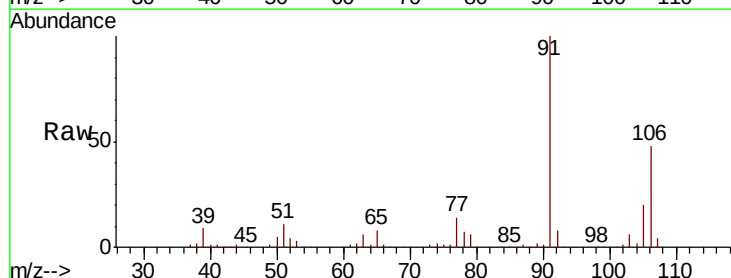
Acq: 20 May 2020 15:52

Tgt Ion:106 Resp: 95238

Ion Ratio Lower Upper

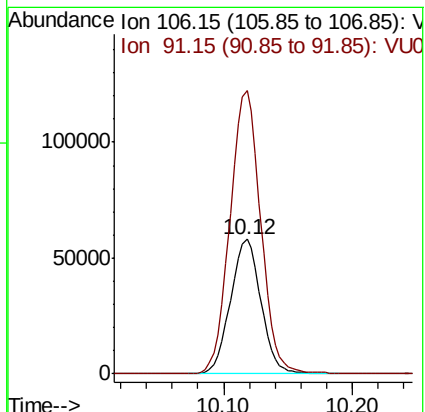
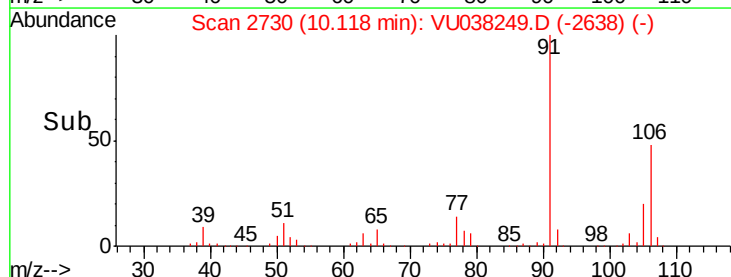
106 100

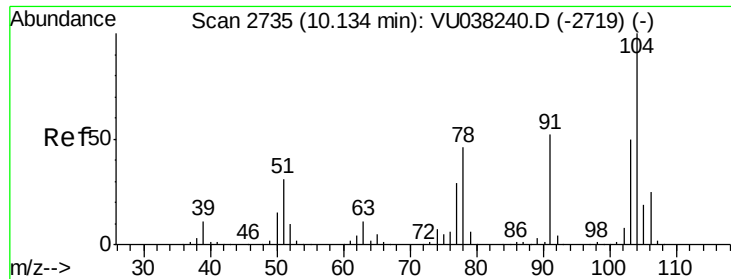
91 210.2 148.5 275.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

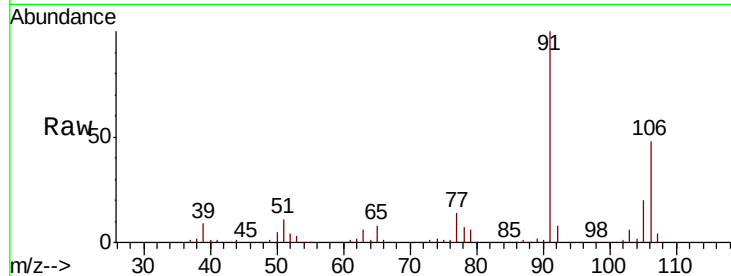




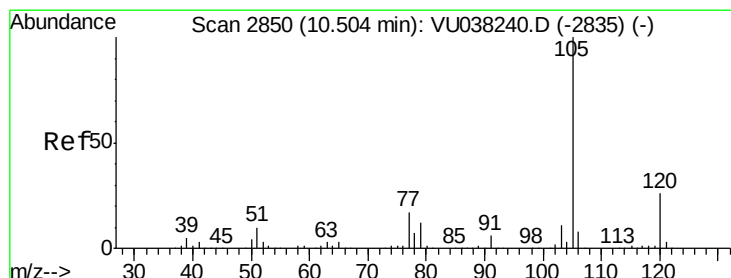
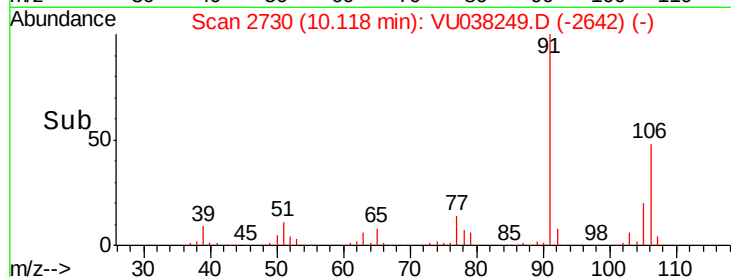
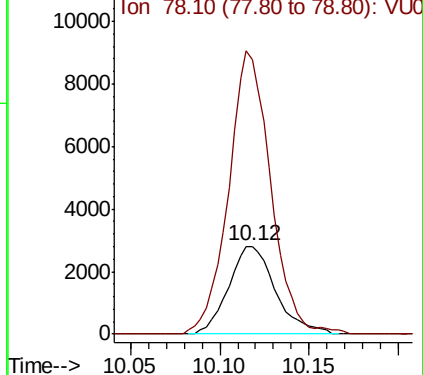
#55
Stvrene
Concen: 0.064 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.02 min
Lab File: VU038249.D
Acq: 20 May 2020 15:52

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:104 Resp: 5136
Ion Ratio Lower Upper
104 100
78 311.4 32.3 59.9#

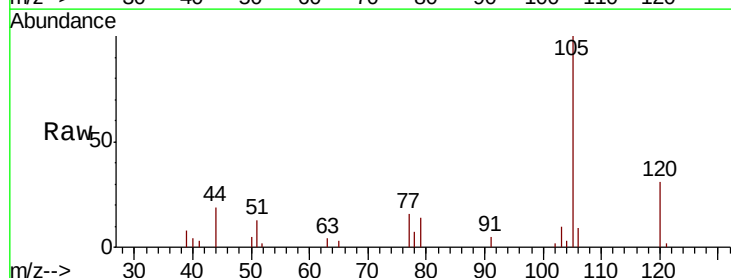


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0

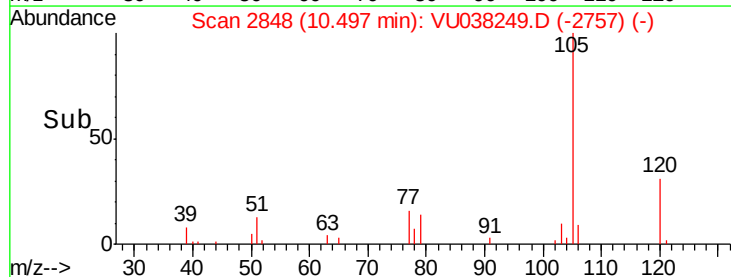
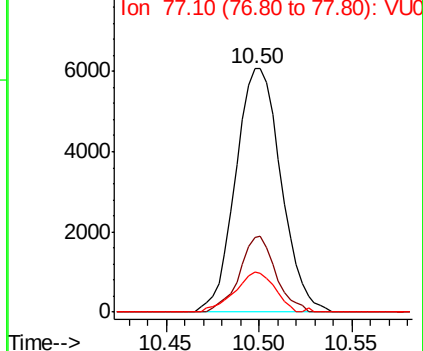


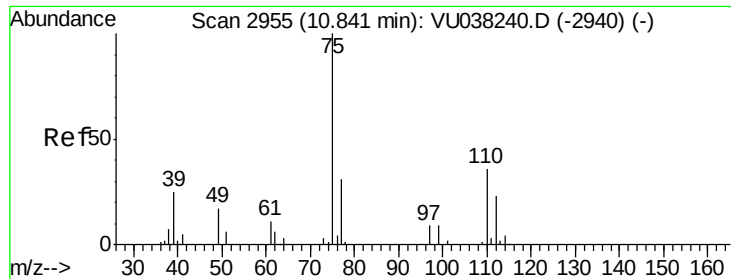
#56
Isopropylbenzene
Concen: 0.084 ug/L
RT: 10.50 min Scan# 2848
Delta R.T. -0.01 min
Lab File: VU038249.D
Acq: 20 May 2020 15:52

Tgt Ion:105 Resp: 10310
Ion Ratio Lower Upper
105 100
120 24.7 21.0 31.6
77 14.4 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): VU0

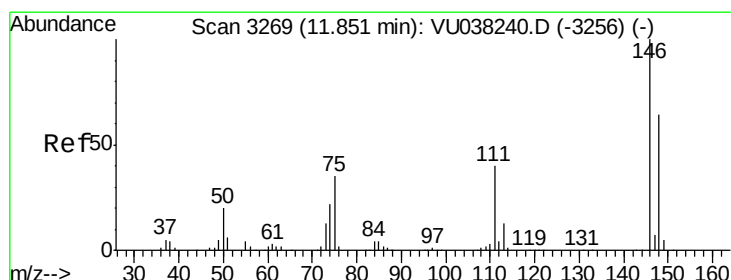
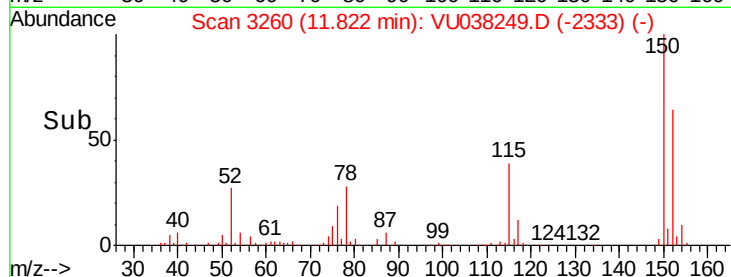
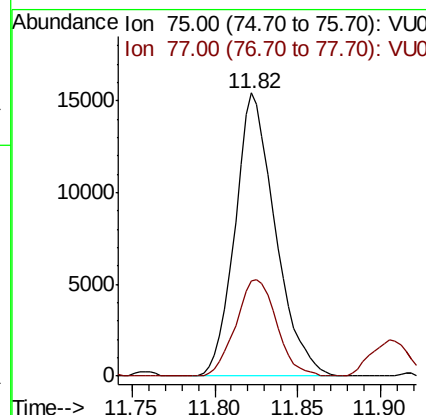
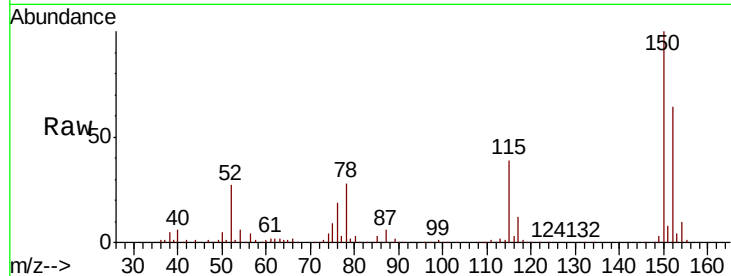




#59
 1,2,3-Trichloropropane
 Concen: 1.266 ug/L
 RT: 11.82 min Scan# 3260
 Delta R.T. 0.98 min
 Lab File: VU038249.D
 Acq: 20 May 2020 15:52

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 26046
 Ion Ratio Lower Upper
 75 100
 77 34.5 25.4 38.0



#63
 1,4-Dichlorobenzene
 Concen: 0.100 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU038249.D
 Acq: 20 May 2020 15:52

Tgt Ion: 146 Resp: 5729
 Ion Ratio Lower Upper
 146 100
 111 42.8 27.2 50.6
 148 64.9 43.8 81.3

