

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051220\
 Data File : VU038126.D
 Acq On : 12 May 2020 15:59
 Operator : JC/MD
 Sample : L2570-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 13 01:16:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 13 01:13:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	359611	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	351886	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	170418	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	135055	4.11	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.20%
7) Chloroethane-d5	1.93	69	124881	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.80%
11) 1,1-Dichloroethene-d2	2.59	63	178795	3.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.00%
20) 2-Butanone-d5	4.68	46	514883	63.44	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	126.88%
24) Chloroform-d	5.10	84	231235	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
26) 1,2-Dichloroethane-d4	5.74	65	144868	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
32) Benzene-d6	5.76	84	517401	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.72	67	168846	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.20%
41) Toluene-d8	7.92	98	447806	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
43) trans-1,3-Dichloropropene-	8.20	79	62886	4.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.20%
46) 2-Hexanone-d5	8.65	63	407003	63.22	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	126.44%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	144322	5.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	175027	5.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.60%

Target Compounds

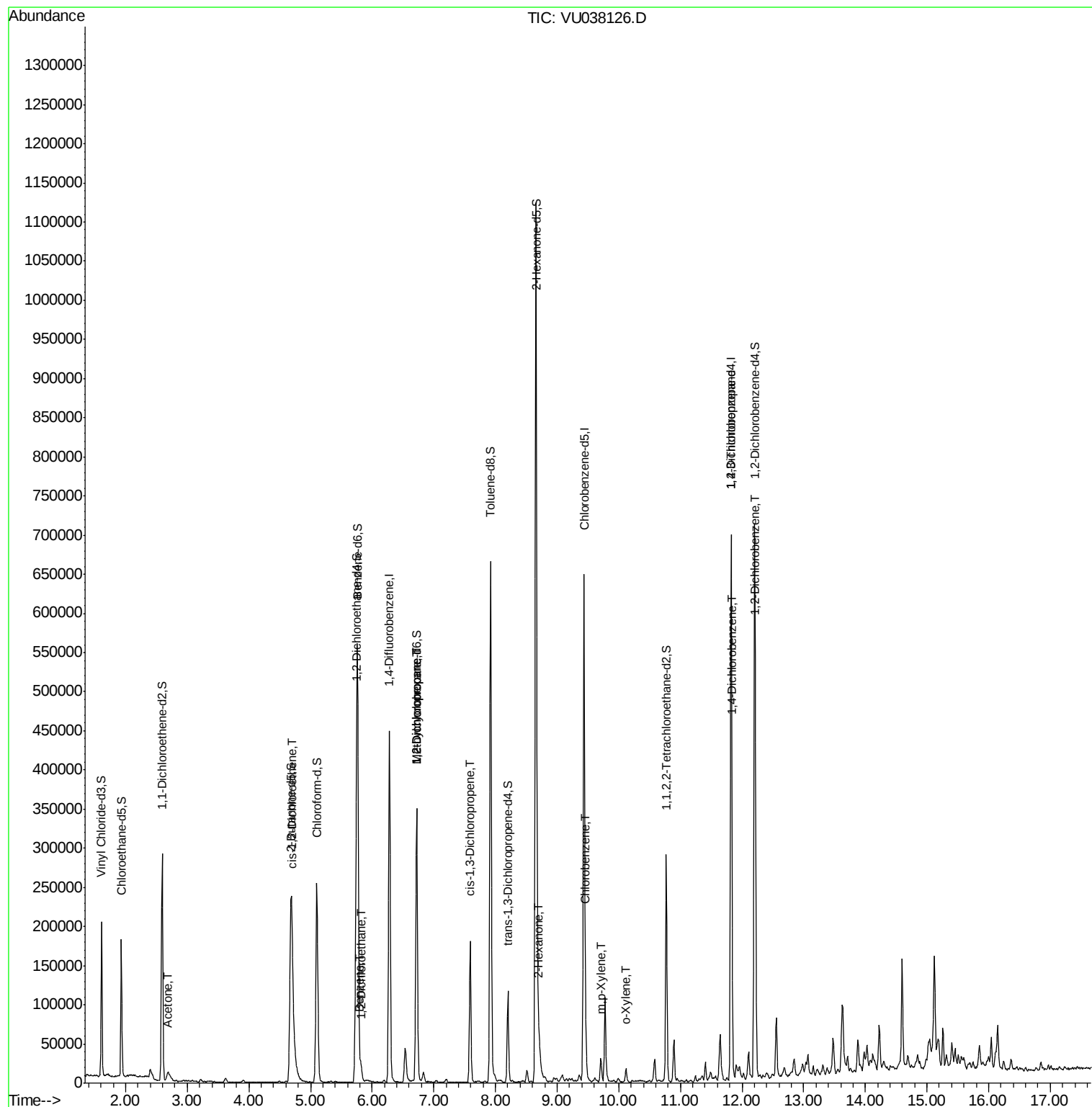
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.69	43	30646	6.019	ug/L	93
22) cis-1,2-Dichloroethene	4.71	96	5721	0.195	ug/L	91
27) 1,2-Dichloroethane	5.83	62	7309	0.209	ug/L	99
33) Benzene	5.81	78	16633	0.148	ug/L	100
35) Methylcyclohexane	6.72	83	38504	0.843	ug/L #	16
37) 1,2-Dichloropropane	6.72	63	17721	0.579	ug/L #	83
39) cis-1,3-Dichloropropene	7.59	75	4354	0.099	ug/L #	82
48) 2-Hexanone	8.71	43	33515	2.157	ug/L #	91
51) Chlorobenzene	9.47	112	24787	0.336	ug/L	99
53) m,p-Xylene	9.71	106	8074	0.163	ug/L	90
54) o-Xylene	10.12	106	3837	0.080	ug/L	75
59) 1,2,3-Trichloropropane	11.82	75	25898	1.261	ug/L	96
63) 1,4-Dichlorobenzene	11.84	146	3977	0.071	ug/L #	80
65) 1,2-Dichlorobenzene	12.22	146	43786	0.821	ug/L	98

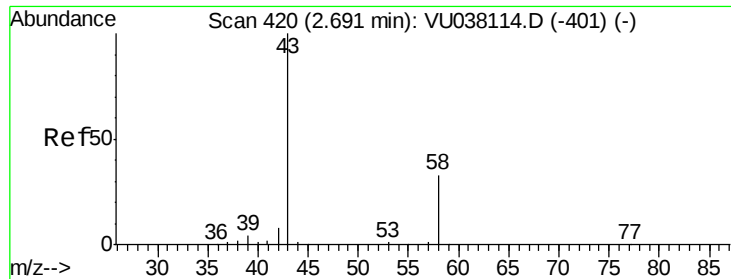
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 13 01:16:13 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed May 13 01:13:24 2020
Response via : Initial Calibration





#13

Acetone

Concen: 6.019 ug/L

RT: 2.69 min Scan# 419

Delta R.T. -0.00 min

Lab File: VU038126.D

Acq: 12 May 2020 15:59

Instrument :

MSVOA_U

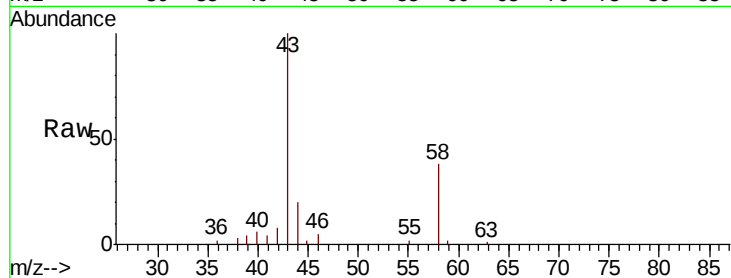
ClientSampleId :

Tot Ion: 43 Resp: 30646

Ion Ratio Lower Upper

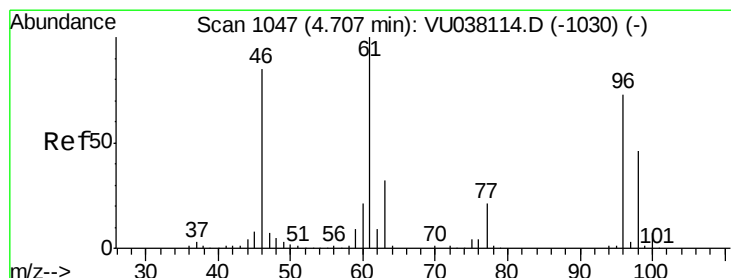
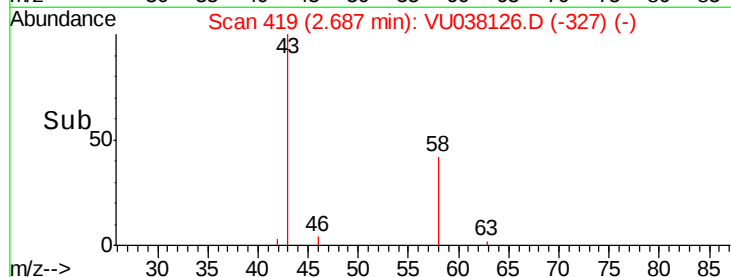
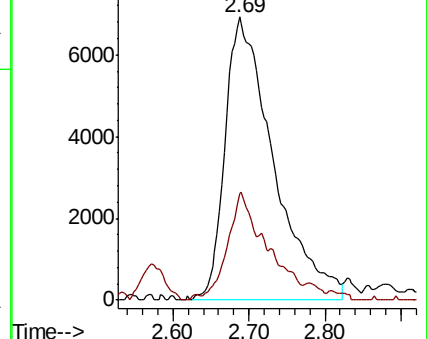
43 100

58 28.0 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU038114.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU038114.D (-401) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.195 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038126.D

Acq: 12 May 2020 15:59

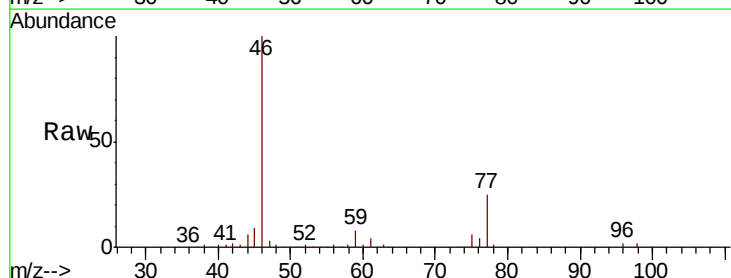
Tgt Ion: 96 Resp: 5721

Ion Ratio Lower Upper

96 100

61 147.2 95.3 176.9

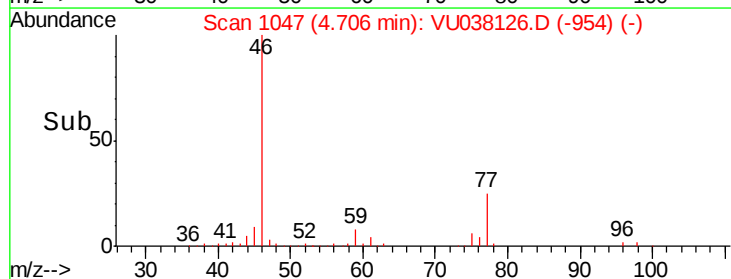
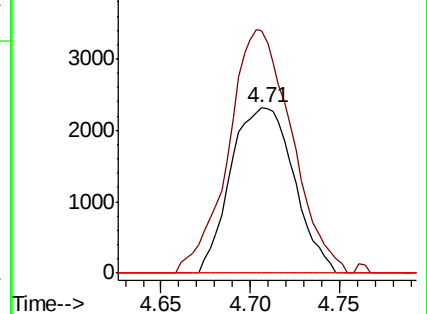
68 0.0 0.0 0.0

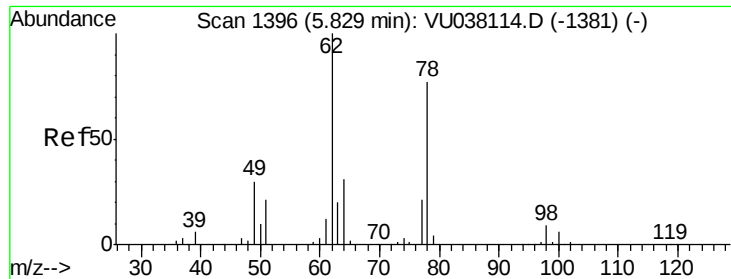


Abundance Ion 96.00 (95.70 to 96.70): VU038114.D (-1030) (-)

Ion 61.05 (60.75 to 61.75): VU038114.D (-1030) (-)

Ion 68.15 (67.85 to 68.85): VU038114.D (-1030) (-)

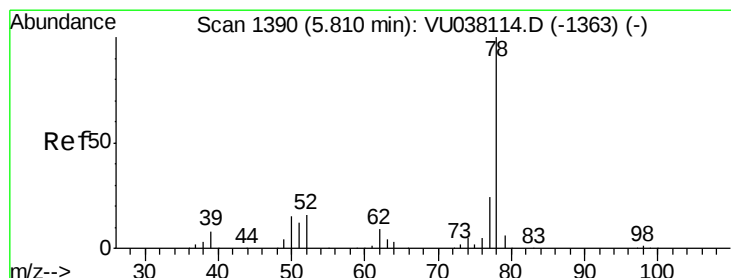
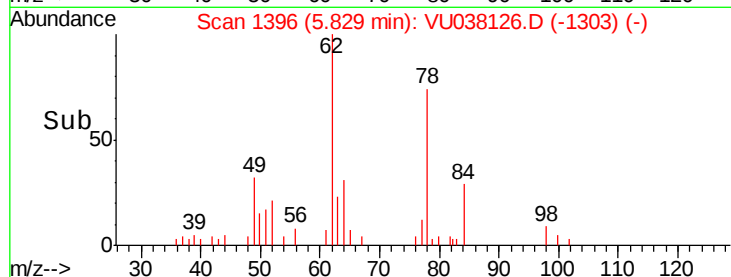
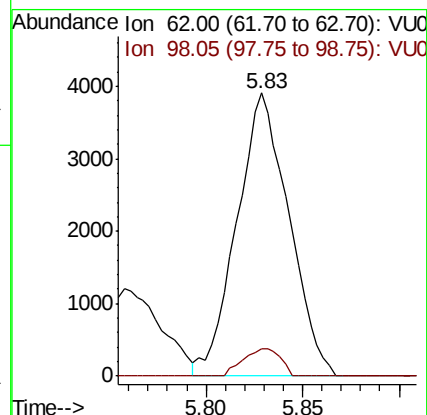
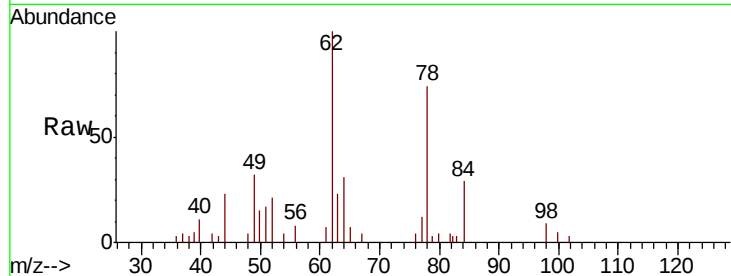




#27
 1,2-Dichloroethane
 Concen: 0.209 ug/L
 RT: 5.83 min Scan# 1396
 Delta R.T. -0.00 min
 Lab File: VU038126.D
 Acq: 12 May 2020 15:59

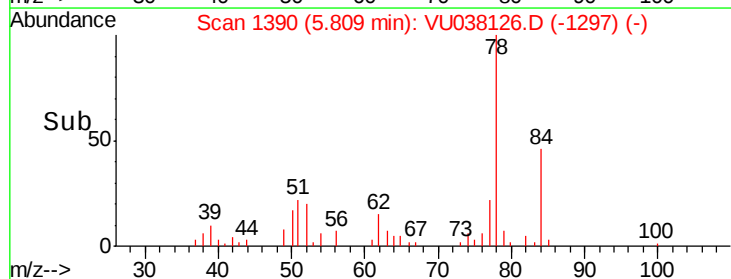
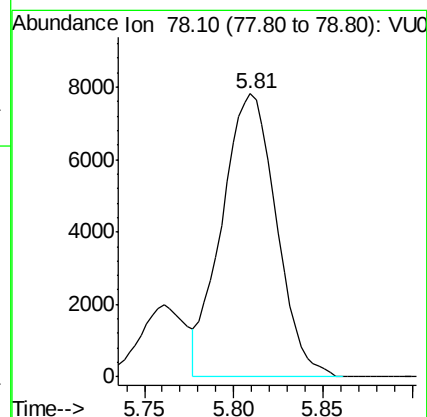
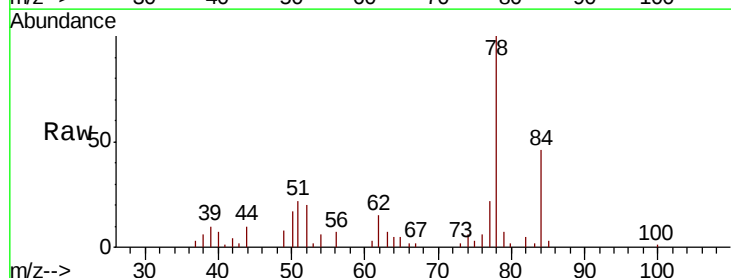
Instrument :
 MSVOA_U
 ClientSampleId :

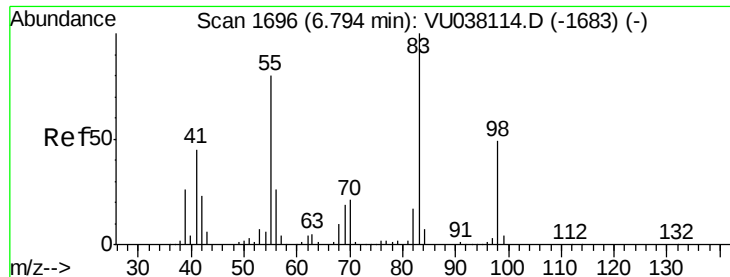
Tot Ion: 62 Resp: 7309
 Ion Ratio Lower Upper
 62 100
 98 9.5 7.8 11.8



#33
 Benzene
 Concen: 0.148 ug/L
 RT: 5.81 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VU038126.D
 Acq: 12 May 2020 15:59

Tgt Ion: 78 Resp: 16633

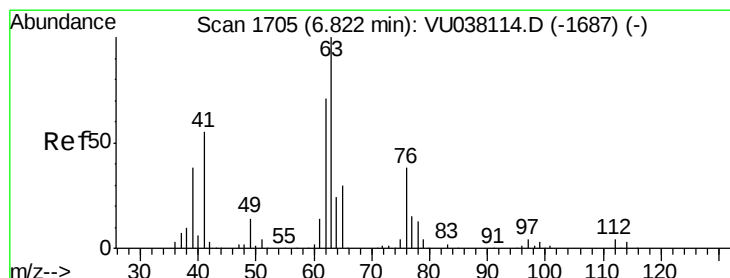
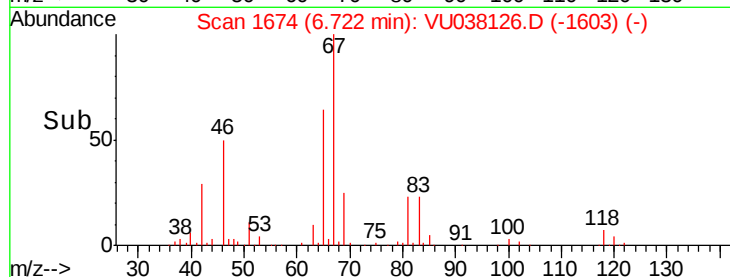
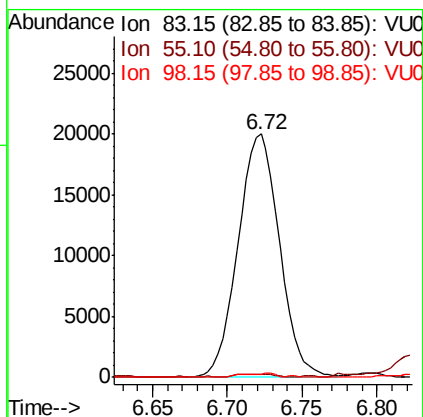
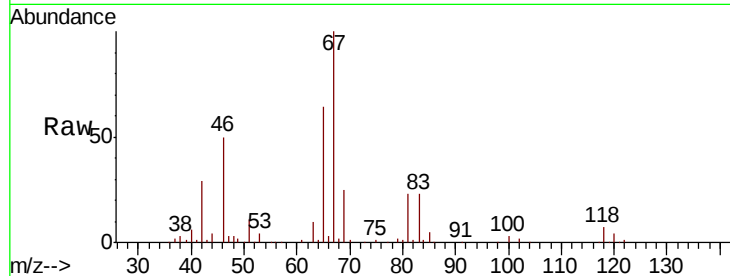




#35
Methvlcvclohexane
Concen: 0.843 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU038126.D
Acq: 12 May 2020 15:59

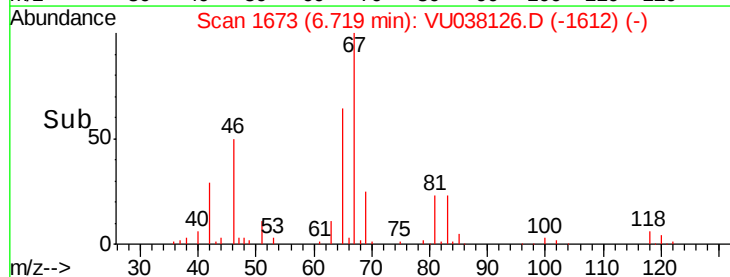
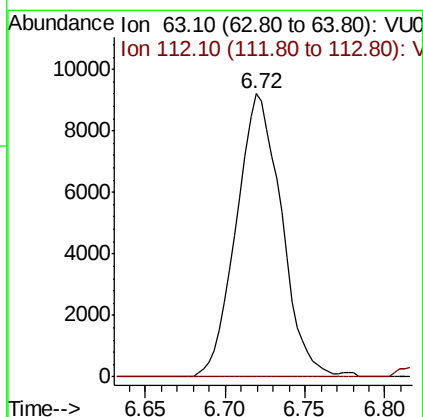
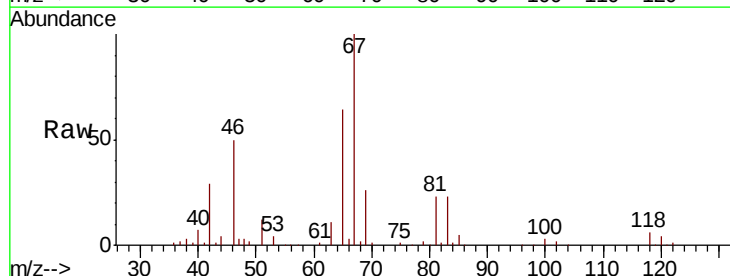
Instrument :
MSVOA_U
ClientSampled :

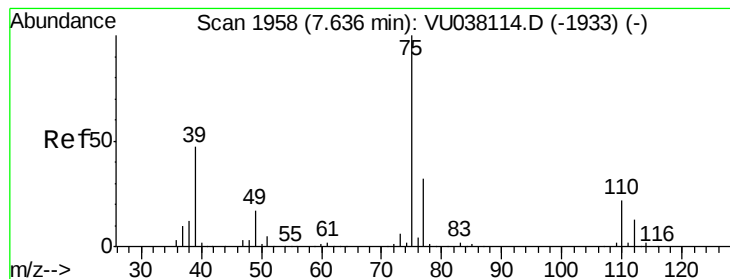
Tot Ion: 83 Resp: 38504
Ion Ratio Lower Upper
83 100
55 0.0 66.7 100.1#
98 0.6 39.4 59.2#



#37
1,2-Dichloropropane
Concen: 0.579 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.10 min
Lab File: VU038126.D
Acq: 12 May 2020 15:59

Tgt Ion: 63 Resp: 17721
Ion Ratio Lower Upper
63 100
112 9.4 3.1 4.7#



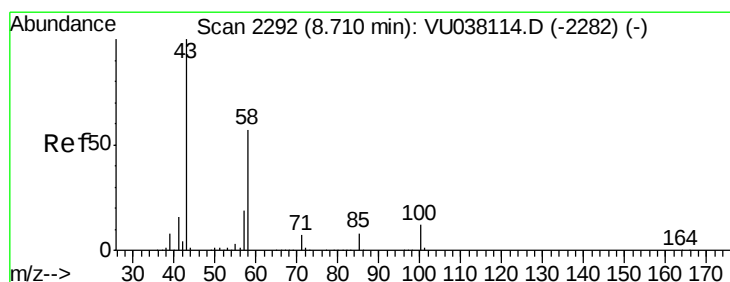
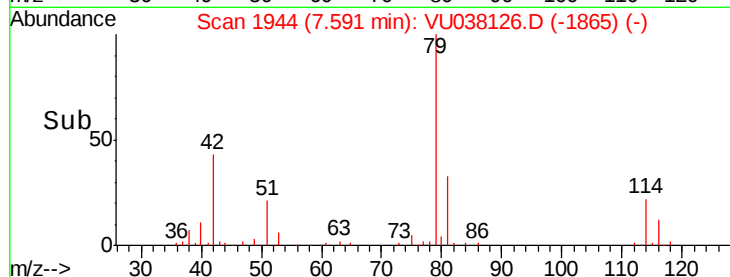
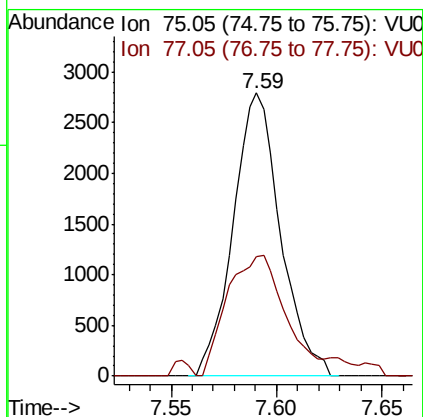
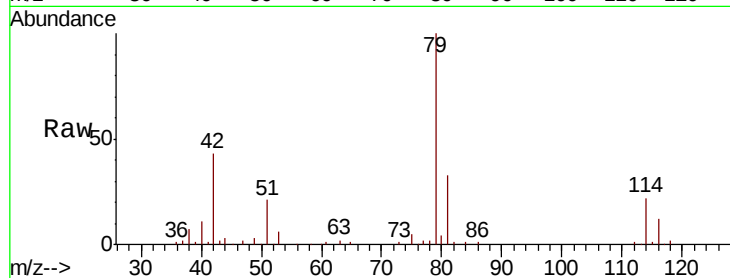


#39

cis-1,3-Dichloropropene
 Concen: 0.099 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.05 min
 Lab File: VU038126.D
 Acq: 12 May 2020 15:59

Instrument :
 MSVOA_U
 ClientSampled :

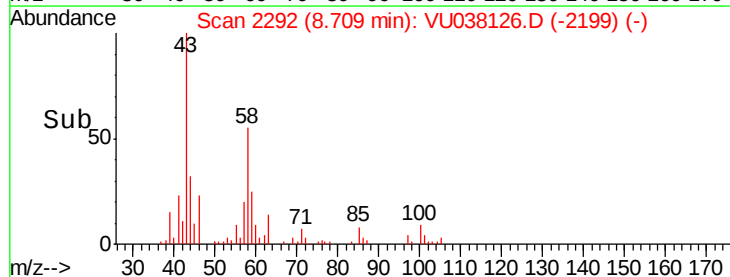
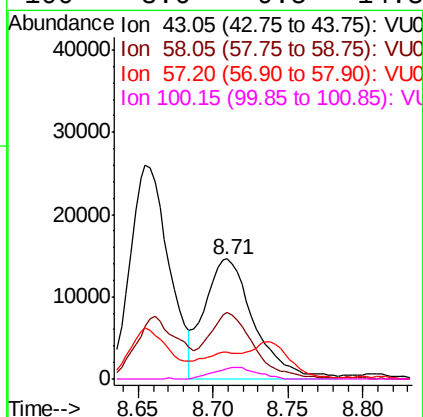
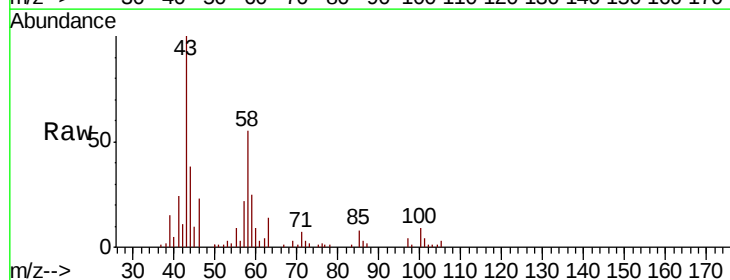
Tot Ion: 75 Resp: 4354
 Ion Ratio Lower Upper
 75 100
 77 42.3 22.4 41.6#

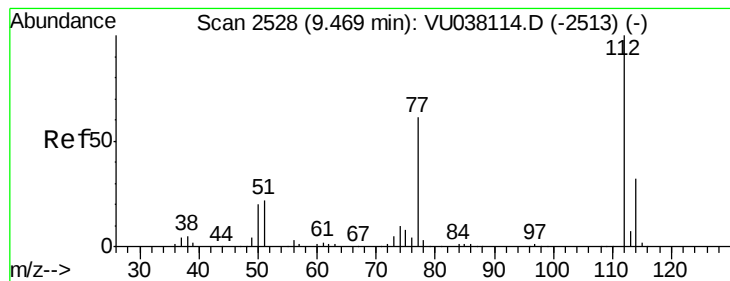


#48

2-Hexanone
 Concen: 2.157 ug/L
 RT: 8.71 min Scan# 2292
 Delta R.T. -0.00 min
 Lab File: VU038126.D
 Acq: 12 May 2020 15:59

Tgt Ion: 43 Resp: 33515
 Ion Ratio Lower Upper
 43 100
 58 49.5 45.2 67.8
 57 16.0 15.5 23.3
 100 8.6 9.5 14.3#





#51

Chlorobenzene

Concen: 0.336 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU038126.D

Acq: 12 May 2020 15:59

Instrument :
MSVOA_U
ClientSampled :

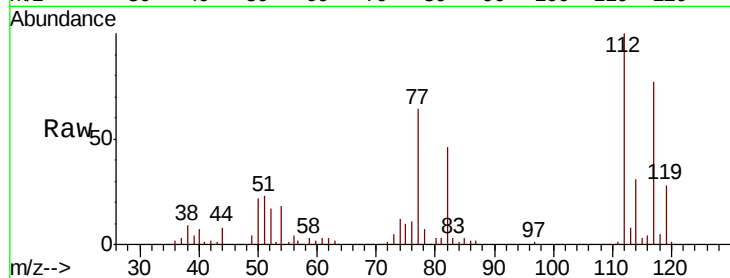
Tot Ion:112 Resp: 24787

Ion Ratio Lower Upper

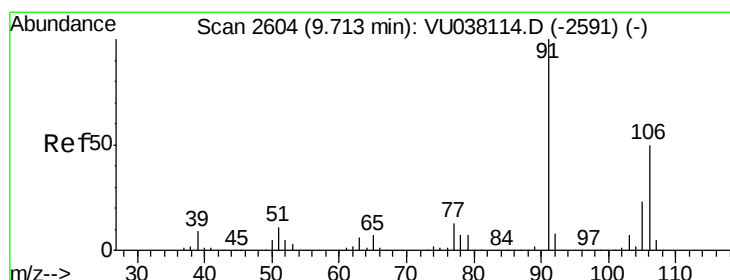
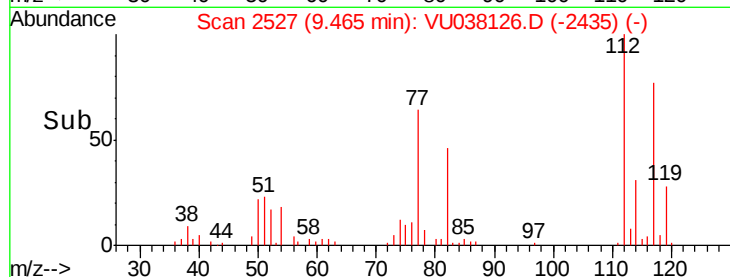
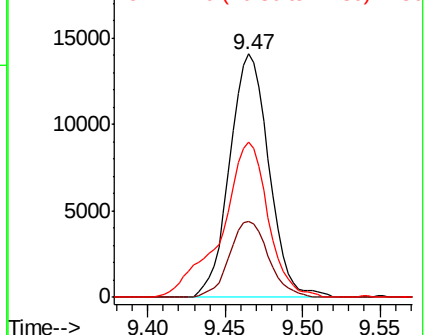
112 100

114 31.4 22.5 41.7

77 63.6 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): V



#53

m,p-Xylene

Concen: 0.163 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038126.D

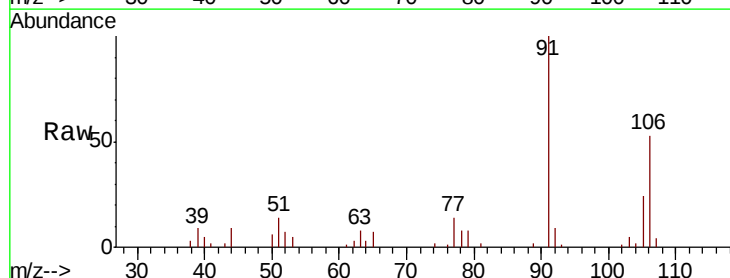
Acq: 12 May 2020 15:59

Tgt Ion:106 Resp: 8074

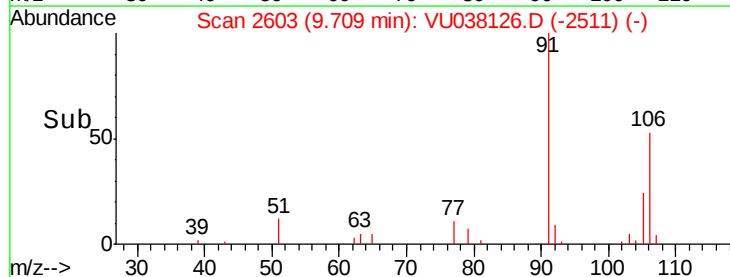
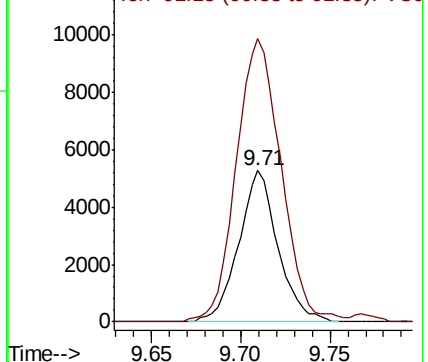
Ion Ratio Lower Upper

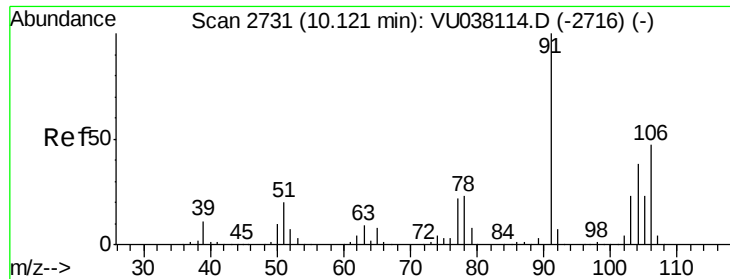
106 100

91 187.3 142.1 263.9



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

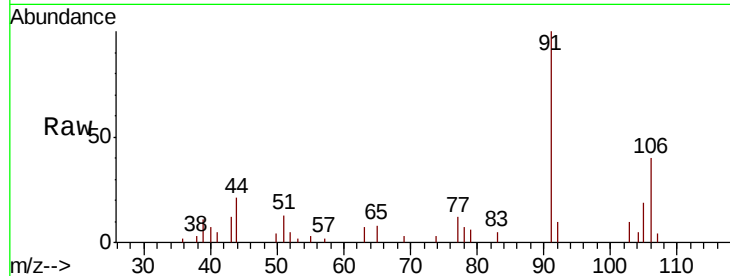




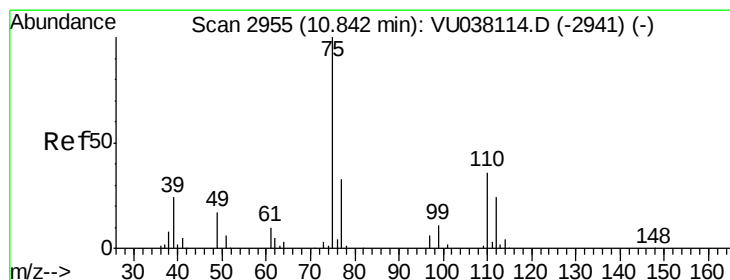
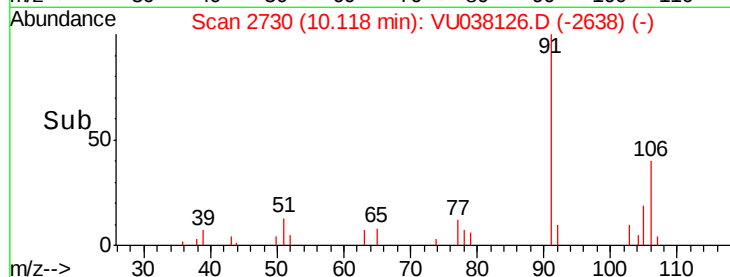
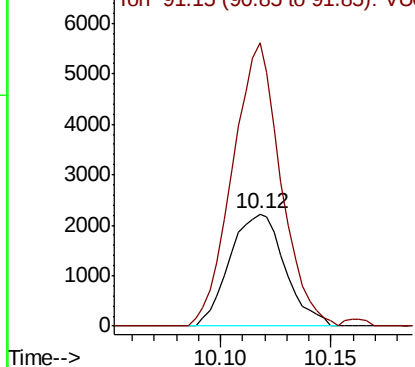
#54
o-Xylene
Concen: 0.080 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU038126.D
Acq: 12 May 2020 15:59

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 3837
Ion Ratio Lower Upper
106 100
91 252.0 148.5 275.9

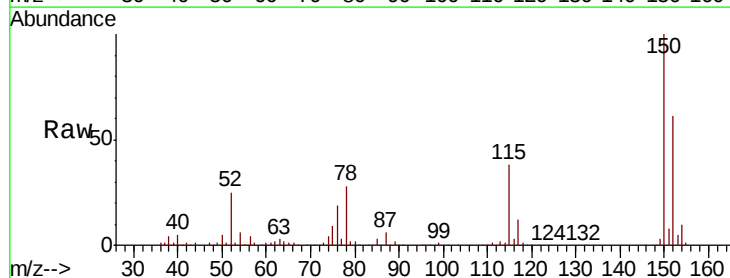


Abundance Ion 106.15 (105.85 to 106.85): VU038126.D (-2638) (-)
Ion 91.15 (90.85 to 91.85): VU038126.D (-2638) (-)

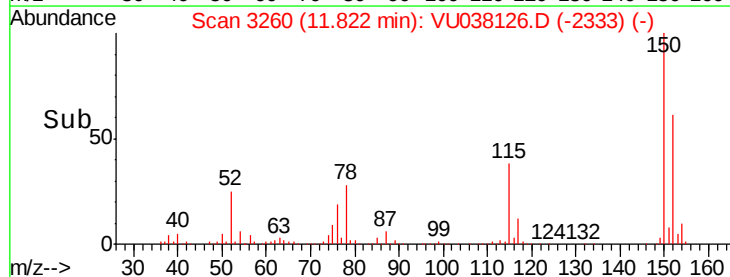
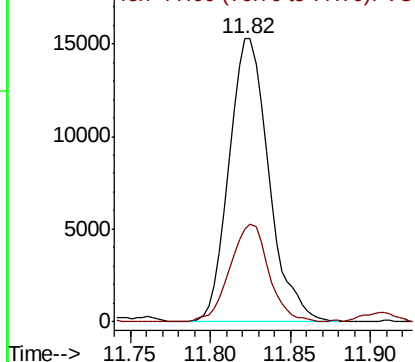


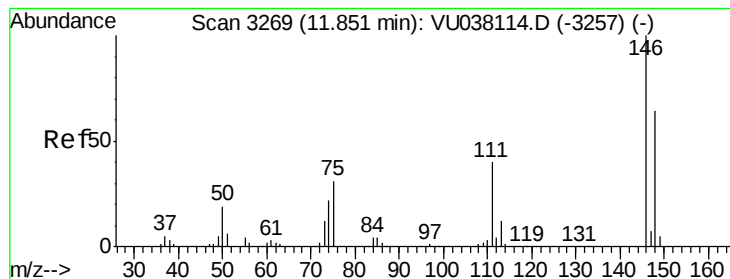
#59
1,2,3-Trichloropropane
Concen: 1.261 ug/L
RT: 11.82 min Scan# 3260
Delta R.T. 0.98 min
Lab File: VU038126.D
Acq: 12 May 2020 15:59

Tgt Ion: 75 Resp: 25898
Ion Ratio Lower Upper
75 100
77 33.7 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU038126.D (-2333) (-)
Ion 77.00 (76.70 to 77.70): VU038126.D (-2333) (-)





#63

1,4-Dichlorobenzene

Concen: 0.071 ug/L

RT: 11.84 min Scan# 3267

Delta R.T. -0.01 min

Lab File: VU038126.D

Acq: 12 May 2020 15:59

Instrument :

MSVOA_U

ClientSampleId :

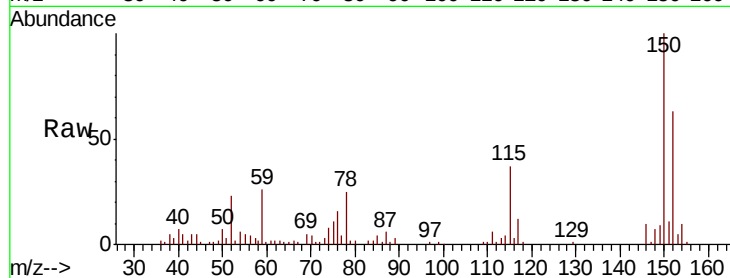
Tot Ion:146 Resp: 3977

Ion Ratio Lower Upper

146 100

111 59.2 27.2 50.6#

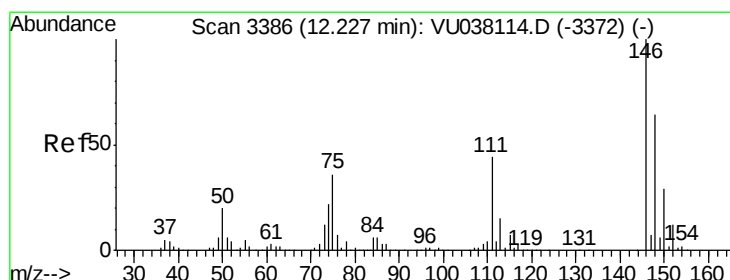
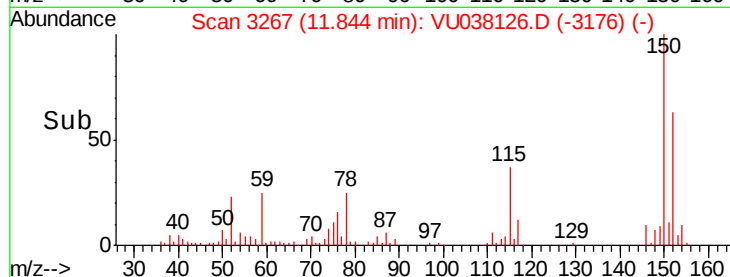
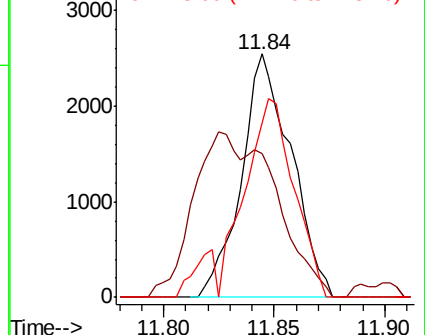
148 71.9 43.8 81.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 0.821 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU038126.D

Acq: 12 May 2020 15:59

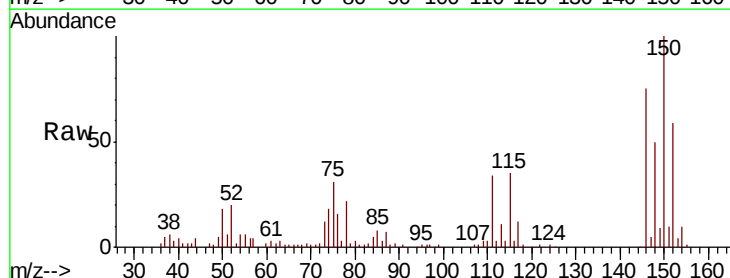
Tgt Ion:146 Resp: 43786

Ion Ratio Lower Upper

146 100

111 45.4 35.3 52.9

148 65.8 51.0 76.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

