

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U052120\
 Data File : VU038275.D
 Acq On : 21 May 2020 19:44
 Operator : JC/MD
 Sample : L2724-13DL 20X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BE4T9DL

Quant Time: May 22 02:34:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 22 01:03:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	484488	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	468663	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	233577	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	118620	2.68	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	53.60%
7) Chloroethane-d5	1.93	69	134832	3.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	70.40%
11) 1,1-Dichloroethene-d2	2.59	63	182541	2.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	49.20%#
20) 2-Butanone-d5	4.66	46	524494	47.97	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.94%
24) Chloroform-d	5.10	84	279946	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.20%
26) 1,2-Dichloroethane-d4	5.74	65	165619	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.00%
32) Benzene-d6	5.76	84	576946	4.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.20%
36) 1,2-Dichloropropane-d6	6.72	67	192542	4.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.00%
41) Toluene-d8	7.92	98	513545	4.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.40%
43) trans-1,3-Dichloropropene-	8.20	79	69664	3.84	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.80%
46) 2-Hexanone-d5	8.65	63	449260	52.40	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.80%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	163536	4.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	202272	4.45	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.00%

Target Compounds

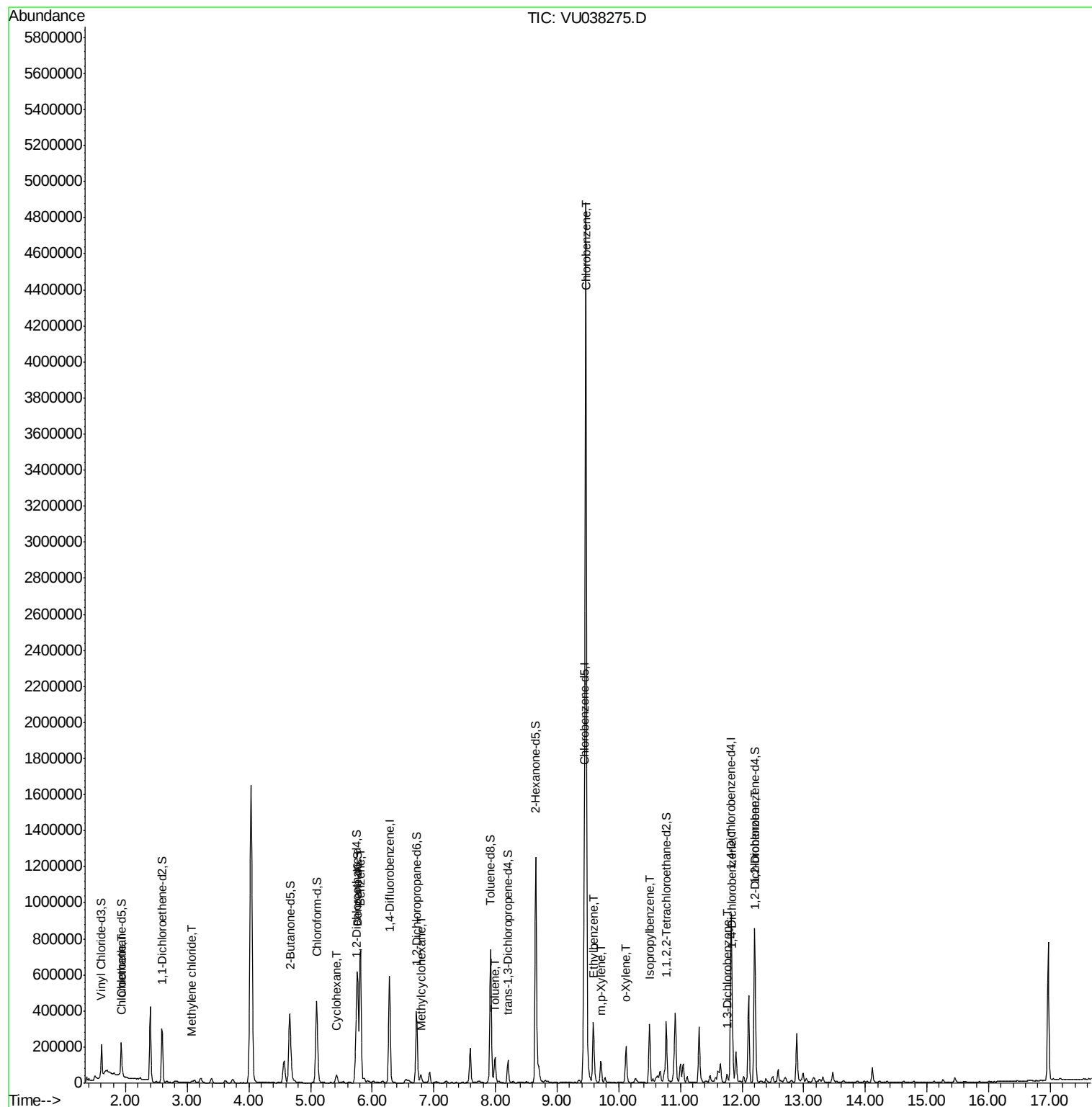
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.95	64	23072	0.717	ug/L	# 71
16) Methylene chloride	3.08	84	2991	0.076	ug/L	88
30) Cyclohexane	5.42	56	21024	0.332	ug/L	97
33) Benzene	5.81	78	687057	4.578	ug/L	100
35) Methylcyclohexane	6.79	83	17988	0.296	ug/L	95
42) Toluene	7.99	91	106819	0.674	ug/L	99
51) Chlorobenzene	9.47	112	2622138	26.669	ug/L	98
52) Ethylbenzene	9.59	91	241945	1.410	ug/L	100
53) m,p-Xylene	9.71	106	35067	0.533	ug/L	90
54) o-Xylene	10.11	106	48495	0.762	ug/L	99
56) Isopropylbenzene	10.50	105	212887	1.303	ug/L	100
62) 1,3-Dichlorobenzene	11.75	146	17477	0.230	ug/L	93
63) 1,4-Dichlorobenzene	11.85	146	88178	1.145	ug/L	96
65) 1,2-Dichlorobenzene	12.22	146	37779	0.517	ug/L	96

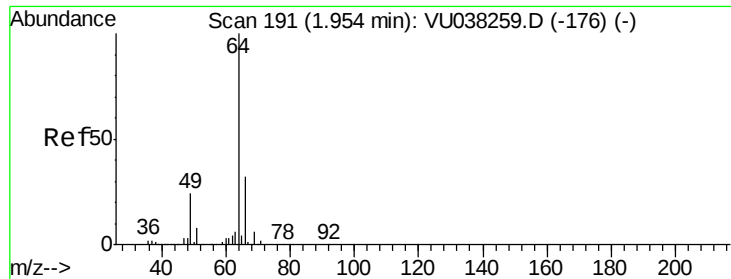
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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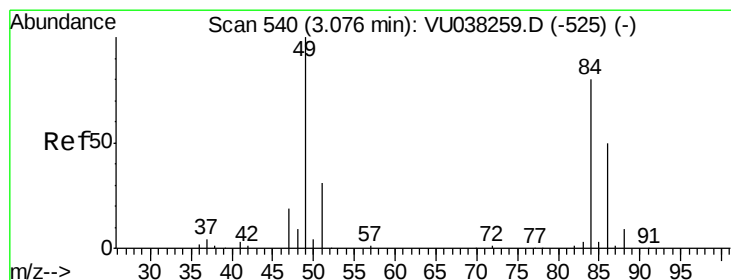
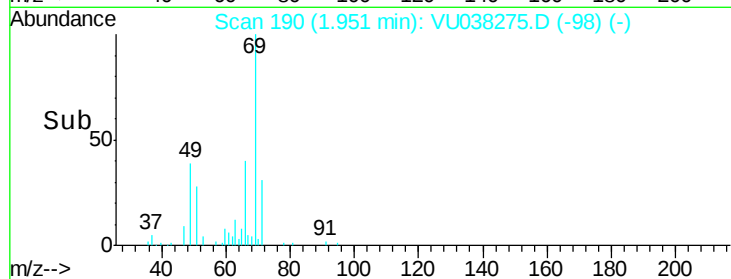
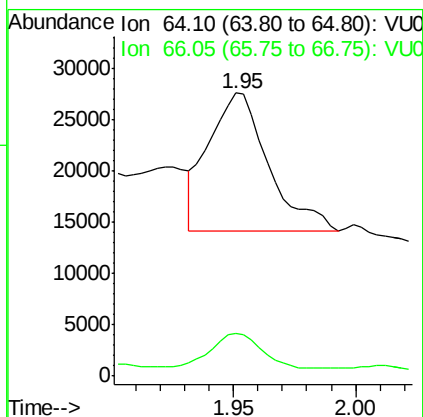
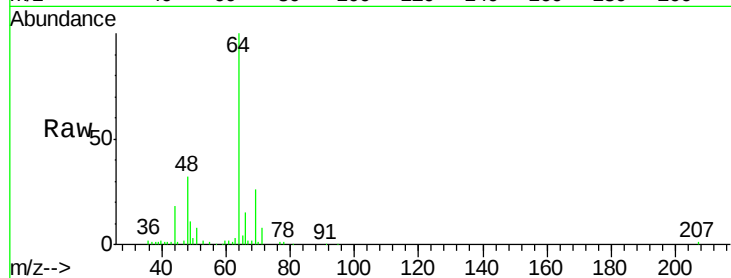




#8
Chloroethane
Concen: 0.717 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU038275.D
Acq: 21 May 2020 19:44

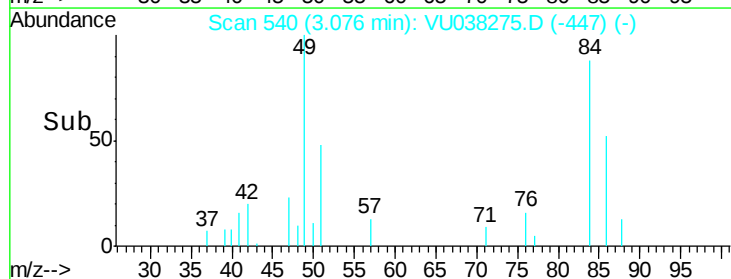
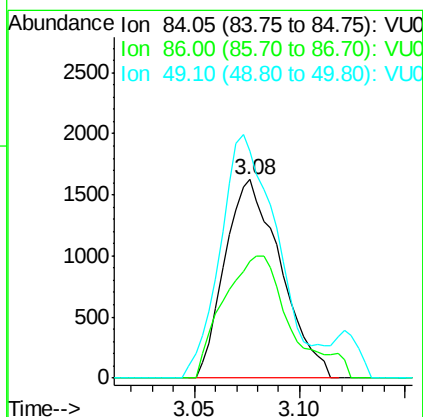
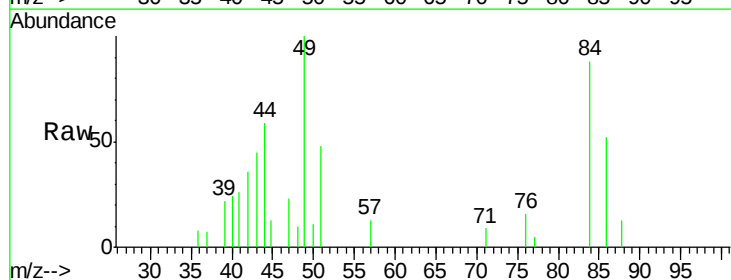
Instrument :
MSVOA_U
ClientSampled :
BE4T9DL

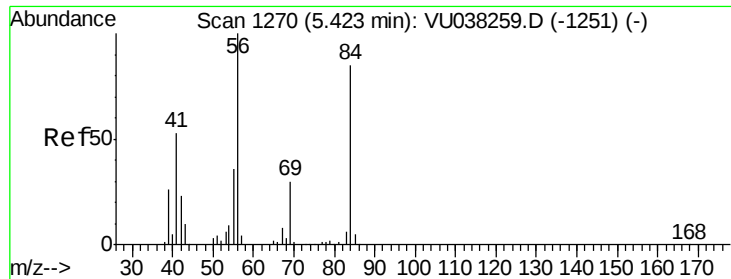
Tot Ion: 64 Resp: 23072
Ion Ratio Lower Upper
64 100
66 15.3 21.8 40.4#



#16
Methylene chloride
Concen: 0.076 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU038275.D
Acq: 21 May 2020 19:44

Tgt Ion: 84 Resp: 2991
Ion Ratio Lower Upper
84 100
86 59.1 44.9 83.3
49 114.1 92.0 170.9

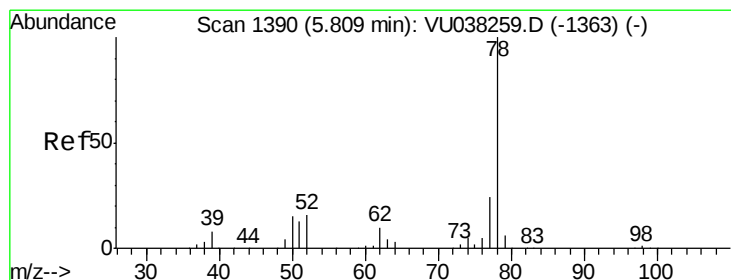
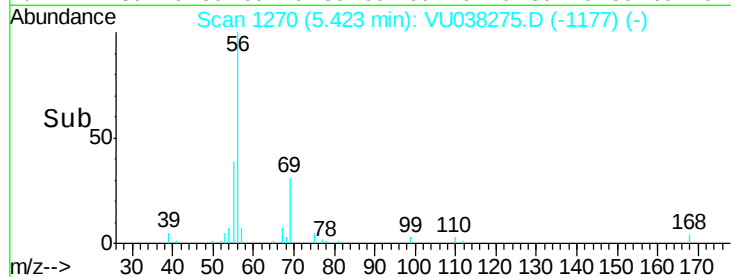
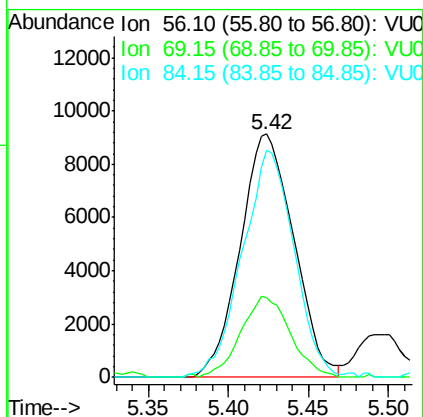
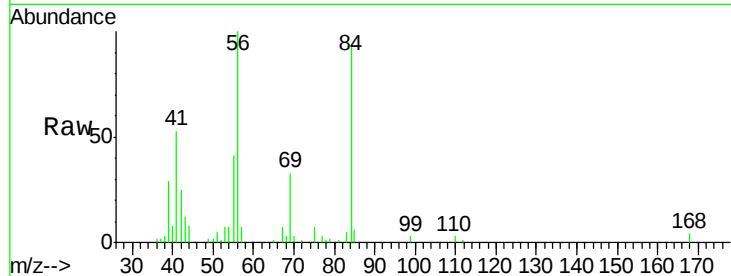




#30
Cyclohexane
Concen: 0.332 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU038275.D
Acq: 21 May 2020 19:44

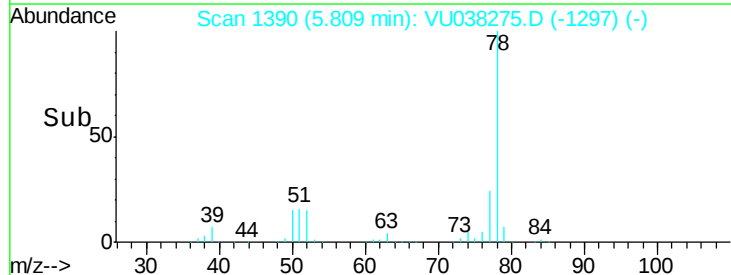
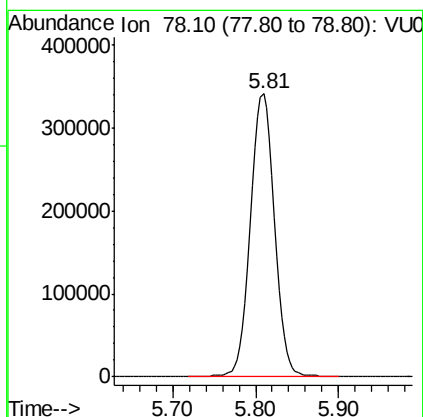
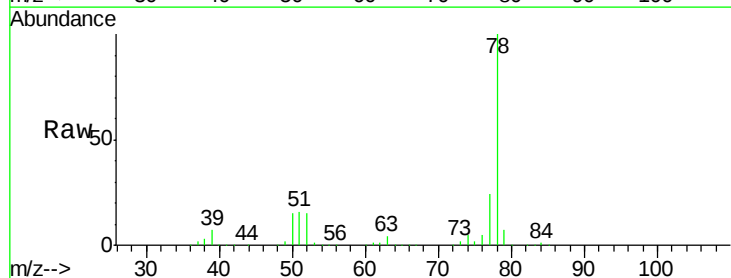
Instrument :
MSVOA_U
ClientSampleId :
BE4T9DL

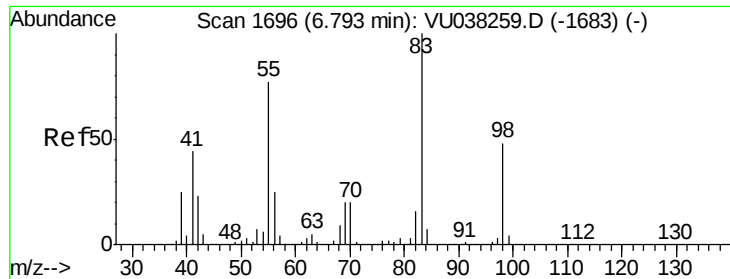
Tot Ion: 56 Resp: 21024
Ion Ratio Lower Upper
56 100
69 30.6 24.2 36.4
84 89.7 68.5 102.7



#33
Benzene
Concen: 4.578 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU038275.D
Acq: 21 May 2020 19:44

Tgt Ion: 78 Resp: 687057

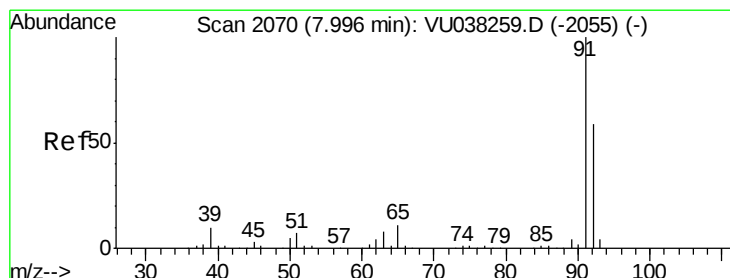
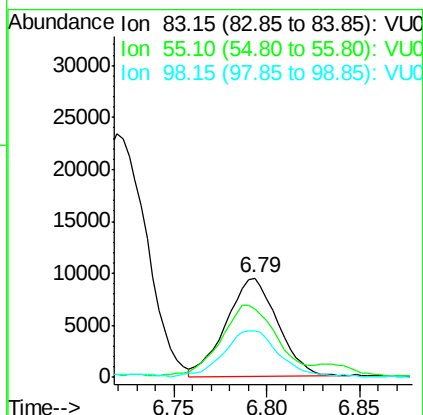
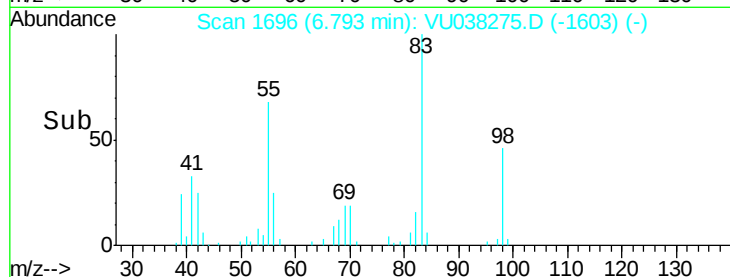
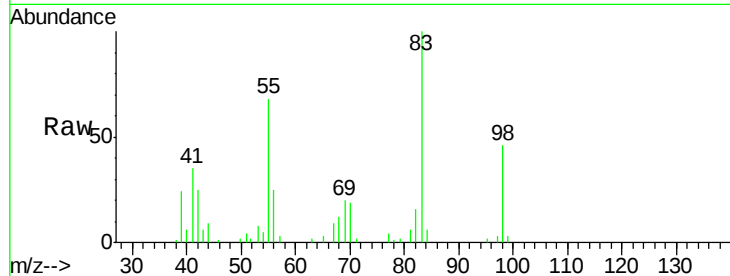




#35
Methvlcvclohexane
Concen: 0.296 ug/L
RT: 6.79 min Scan# 1696
Delta R.T. 0.00 min
Lab File: VU038275.D
Acq: 21 May 2020 19:44

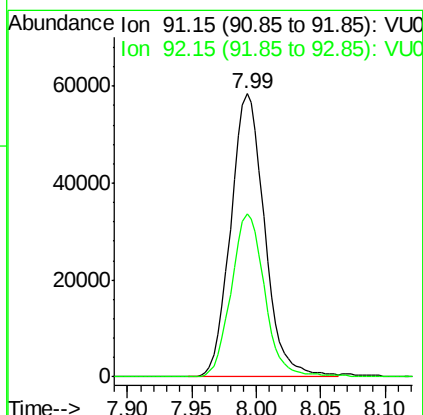
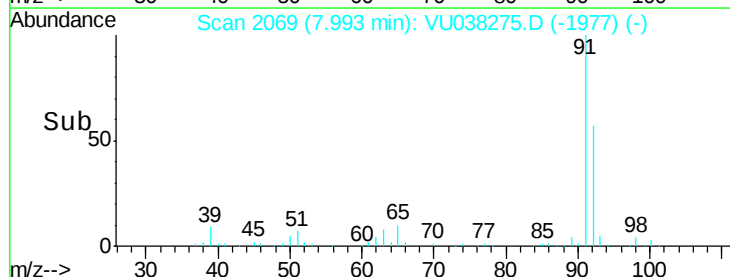
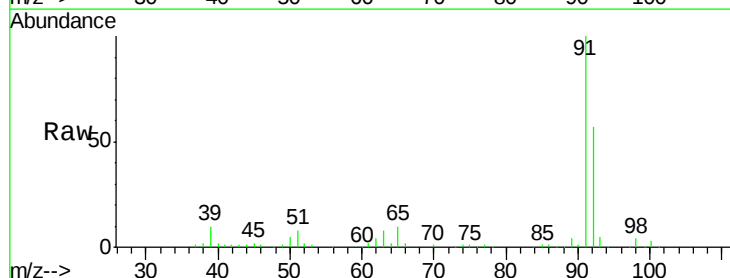
Instrument :
MSVOA_U
ClientSampleId :
BE4T9DL

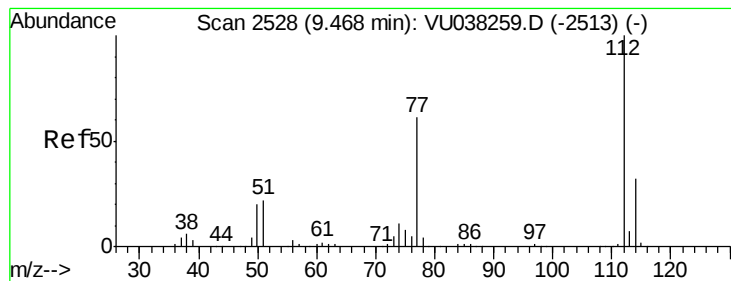
Tot Ion: 83 Resp: 17988
Ion Ratio Lower Upper
83 100
55 78.5 66.7 100.1
98 52.9 39.4 59.2



#42
Toluene
Concen: 0.674 ug/L
RT: 7.99 min Scan# 2069
Delta R.T. -0.00 min
Lab File: VU038275.D
Acq: 21 May 2020 19:44

Tgt Ion: 91 Resp: 106819
Ion Ratio Lower Upper
91 100
92 57.4 40.9 75.9





#51

Chlorobenzene

Concen: 26.669 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU038275.D

Acq: 21 May 2020 19:44

Instrument :

MSVOA_U

ClientSampleId :

BE4T9DL

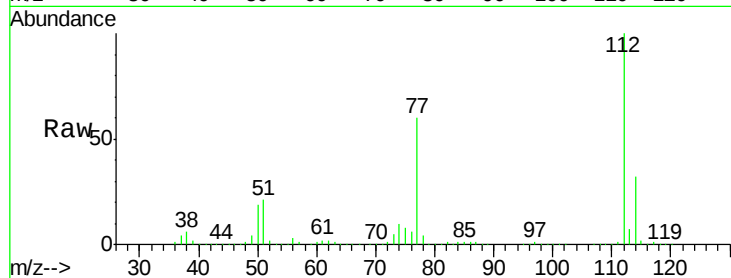
Tot Ion:112 Resp: 2622138

Ion Ratio Lower Upper

112 100

114 31.7 22.5 41.7

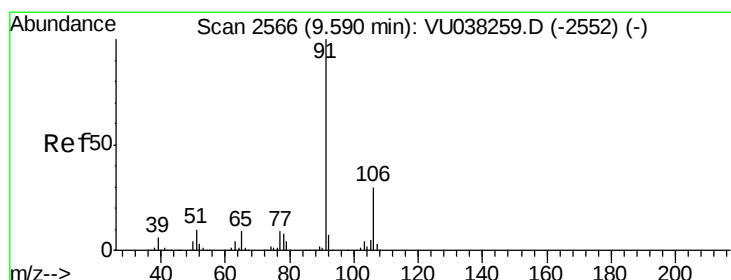
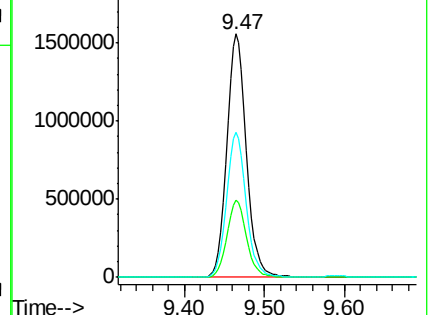
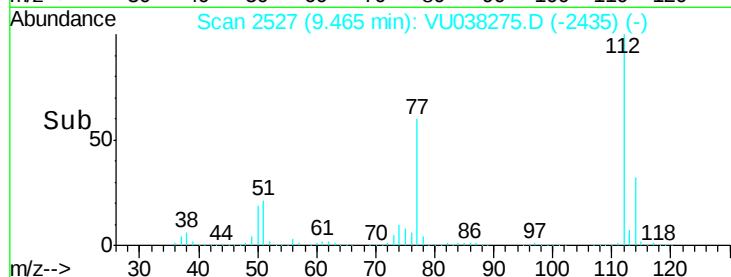
77 59.8 49.9 74.9



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



#52

Ethylbenzene

Concen: 1.410 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038275.D

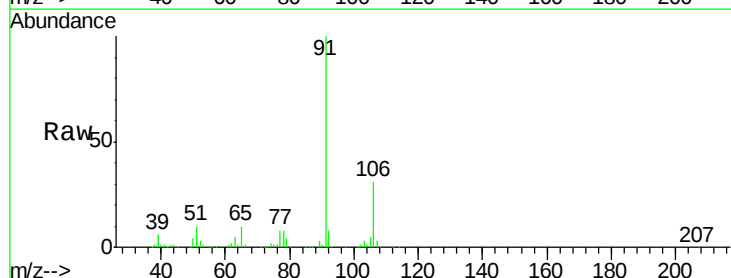
Acq: 21 May 2020 19:44

Tgt Ion: 91 Resp: 241945

Ion Ratio Lower Upper

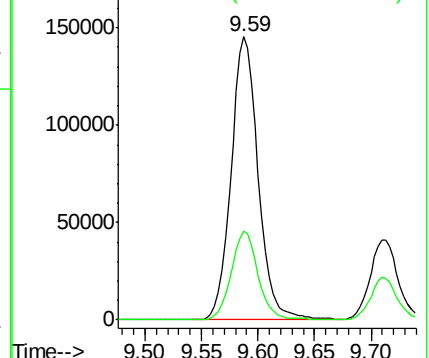
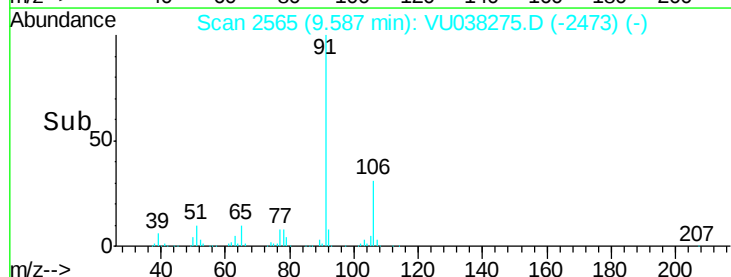
91 100

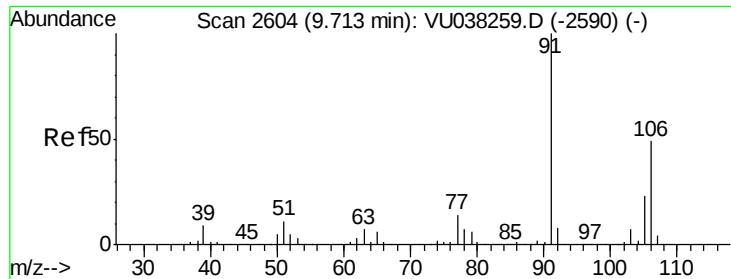
106 31.4 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): V

Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 0.533 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038275.D

Acq: 21 May 2020 19:44

Instrument :

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ClientSampleId :

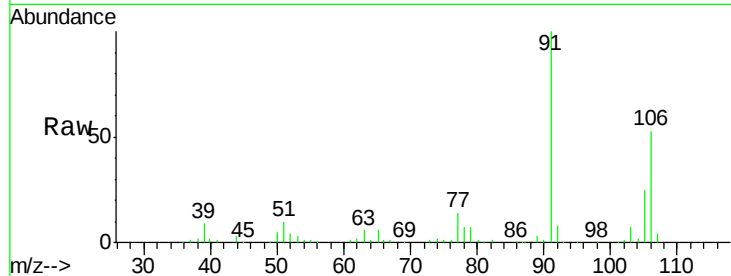
BE4T9DL

Tot Ion:106 Resp: 35067

Ion Ratio Lower Upper

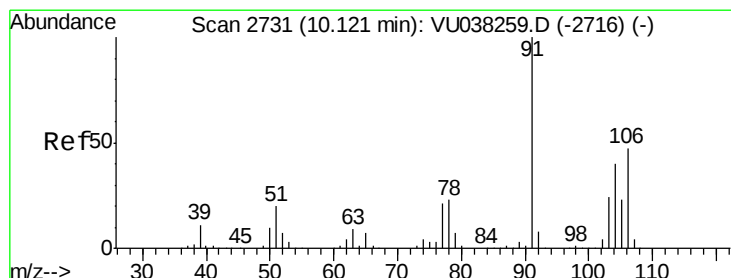
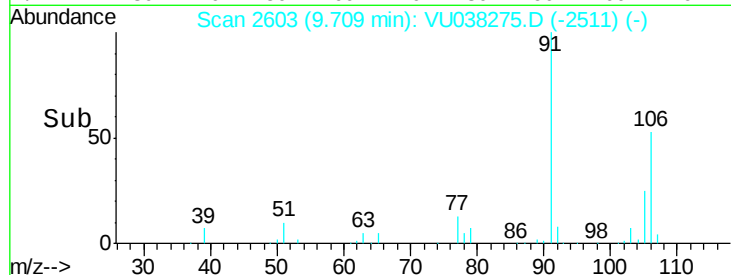
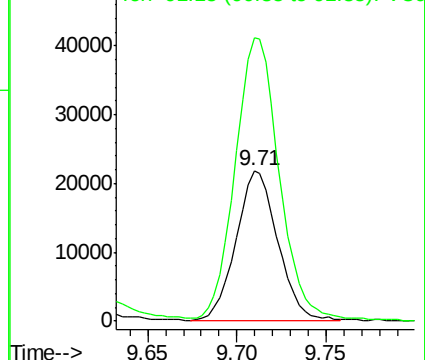
106 100

91 188.2 142.1 263.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.762 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.01 min

Lab File: VU038275.D

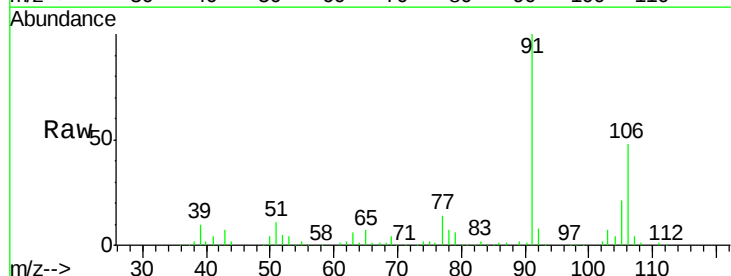
Acq: 21 May 2020 19:44

Tgt Ion:106 Resp: 48495

Ion Ratio Lower Upper

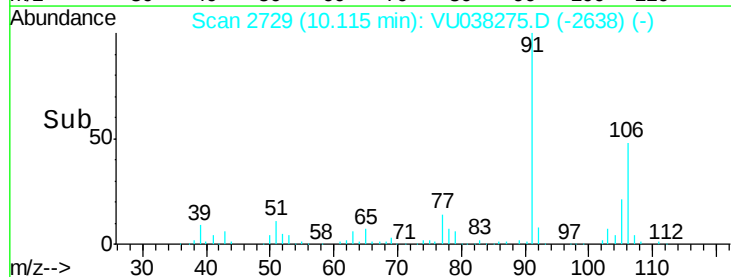
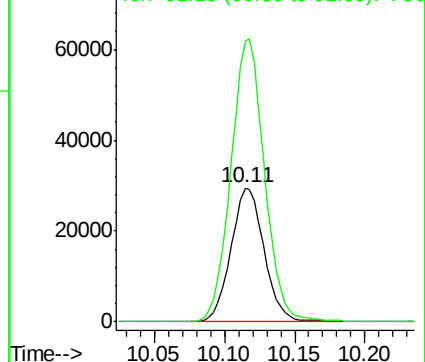
106 100

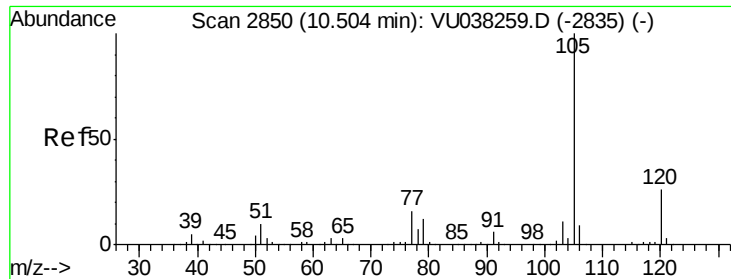
91 209.9 148.5 275.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#56

Isopropylbenzene

Concen: 1.303 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU038275.D

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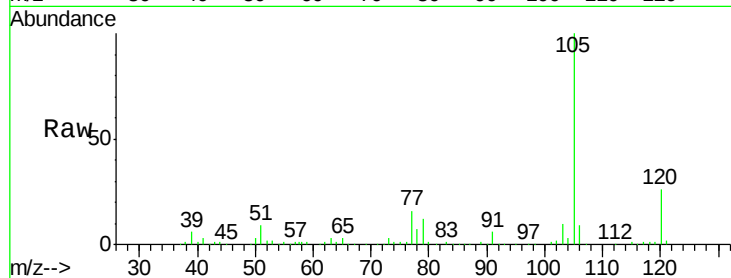
Tot Ion:105 Resp: 212887

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.6

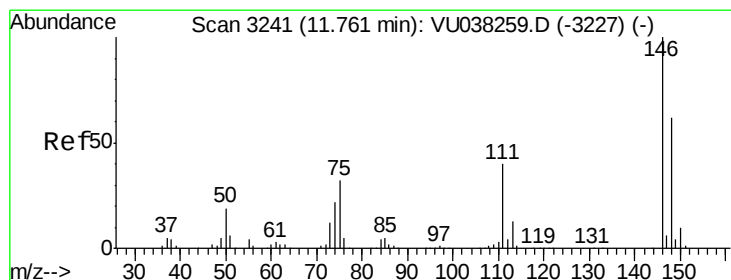
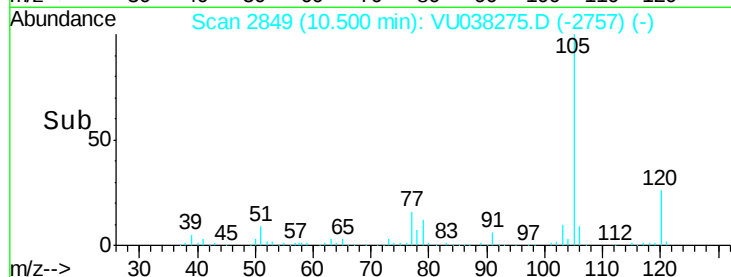
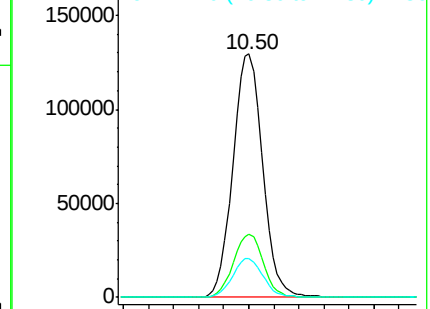
77 16.4 13.0 19.4



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): V



#62

1,3-Dichlorobenzene

Concen: 0.230 ug/L

RT: 11.75 min Scan# 3239

Delta R.T. -0.01 min

Lab File: VU038275.D

Acq: 21 May 2020 19:44

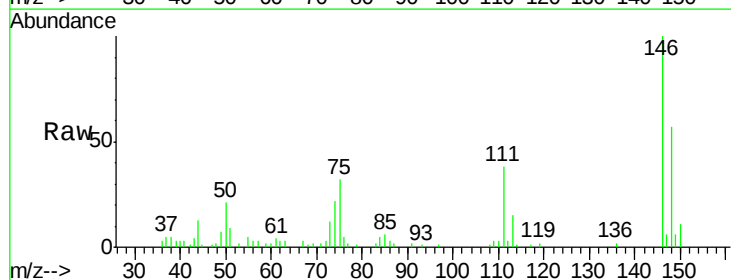
Tgt Ion:146 Resp: 17477

Ion Ratio Lower Upper

146 100

111 38.0 28.6 53.2

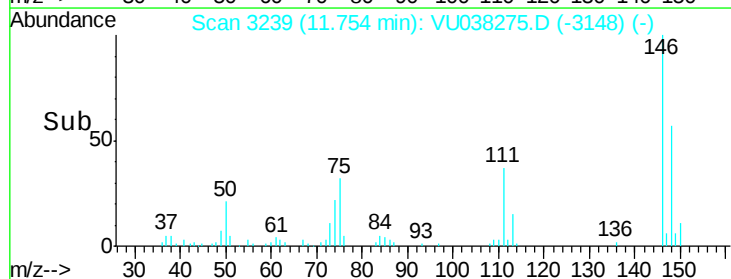
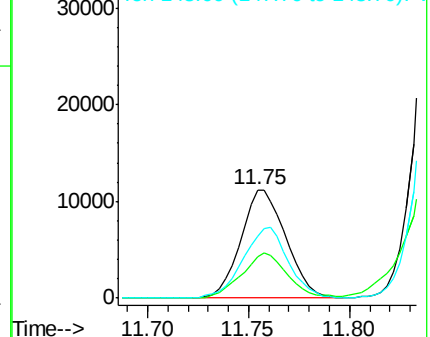
148 57.3 45.2 84.0

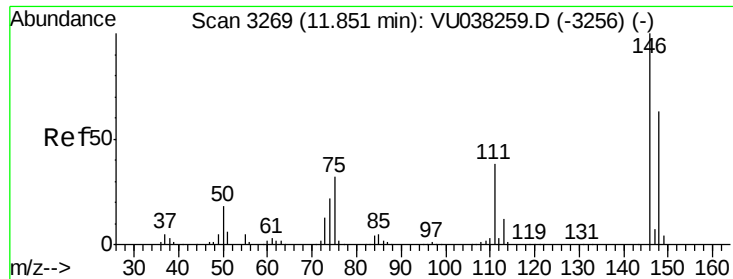


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 1.145 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VU038275.D

Acq: 21 May 2020 19:44

Instrument :

MSVOA_U

ClientSampled :

BE4T9DL

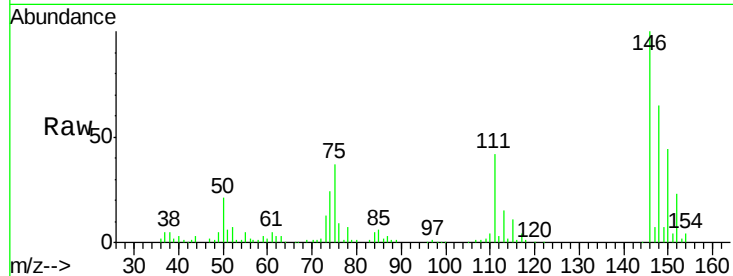
Tot Ion:146 Resp: 88178

Ion Ratio Lower Upper

146 100

111 42.2 27.2 50.6

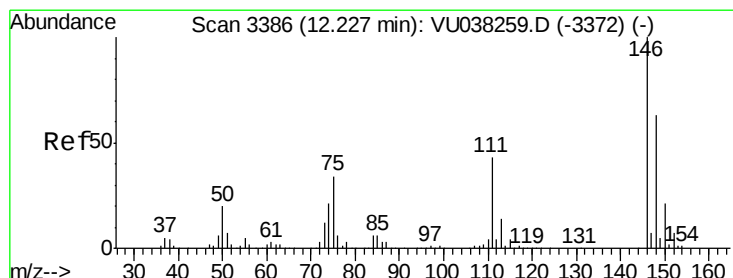
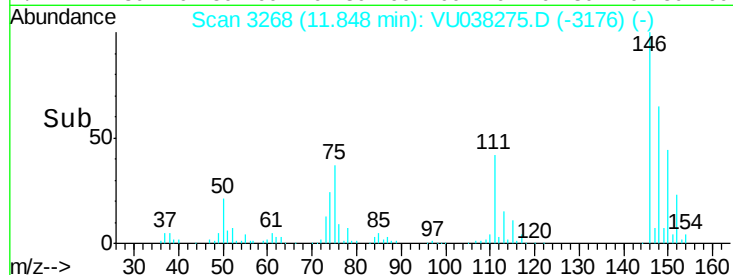
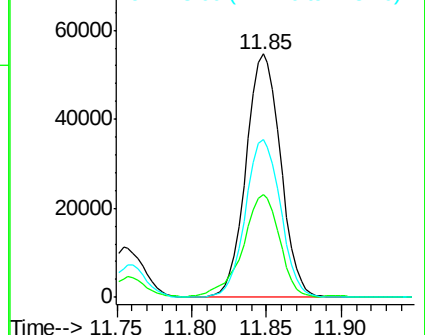
148 65.0 43.8 81.3



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: 0.517 ug/L

RT: 12.22 min Scan# 3384

Delta R.T. -0.01 min

Lab File: VU038275.D

Acq: 21 May 2020 19:44

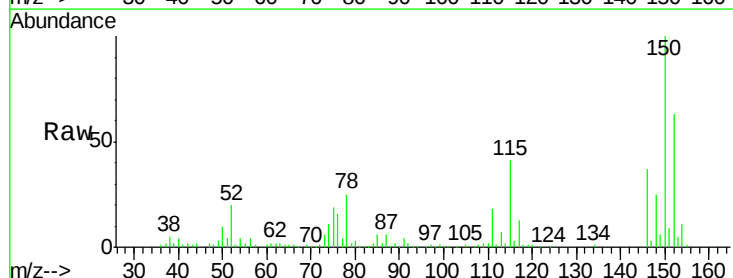
Tgt Ion:146 Resp: 37779

Ion Ratio Lower Upper

146 100

111 47.6 35.3 52.9

148 66.3 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

