

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
 Data File : VU038399.D
 Acq On : 30 May 2020 00:15
 Operator : JC/MD
 Sample : L2766-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BE4Z1

Quant Time: Jun 01 03:32:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat May 30 00:03:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	304076	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	294061	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	149618	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	95683	3.44	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.80%
7) Chloroethane-d5	1.93	69	88118	3.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.20%
11) 1,1-Dichloroethene-d2	2.59	63	145216	3.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.40%
20) 2-Butanone-d5	4.67	46	363086	52.91	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.82%
24) Chloroform-d	5.10	84	204013	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
26) 1,2-Dichloroethane-d4	5.74	65	119908	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.76	84	419118	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
36) 1,2-Dichloropropane-d6	6.72	67	129735	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.20%
41) Toluene-d8	7.92	98	366717	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
43) trans-1,3-Dichloropropene-	8.20	79	48918	4.29	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.80%
46) 2-Hexanone-d5	8.65	63	287135	53.37	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.74%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	108529	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	153155	5.26	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.20%

Target Compounds

					Qvalue
8) Chloroethane	1.95	64	52031	2.58	ug/L 92
13) Acetone	2.67	43	13138	3.05	ug/L 100
25) Chloroform	5.13	83	22865	0.54	ug/L 92
30) Cyclohexane	5.42	56	24058	0.60	ug/L 97
33) Benzene	5.81	78	4233730	44.96	ug/L 100
35) Methylcyclohexane	6.79	83	18428	0.48	ug/L 97
42) Toluene	7.99	91	19804	0.20	ug/L 100
51) Chlorobenzene	9.47	112	512130	8.30	ug/L 98
52) Ethylbenzene	9.59	91	99506	0.92	ug/L 94
53) m,p-Xylene	9.71	106	296445	7.18	ug/L 99
54) o-Xylene	10.11	106	49275	1.23	ug/L 99
56) Isopropylbenzene	10.50	105	270903	2.64	ug/L 99
62) 1,3-Dichlorobenzene	11.76	146	5416	0.11	ug/L 92
63) 1,4-Dichlorobenzene	11.85	146	49591	1.01	ug/L 99
65) 1,2-Dichlorobenzene	12.22	146	78849	1.68	ug/L 96

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Quant Time: Jun 01 03:32:01 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat May 30 00:03:10 2020
Response via : Initial Calibration

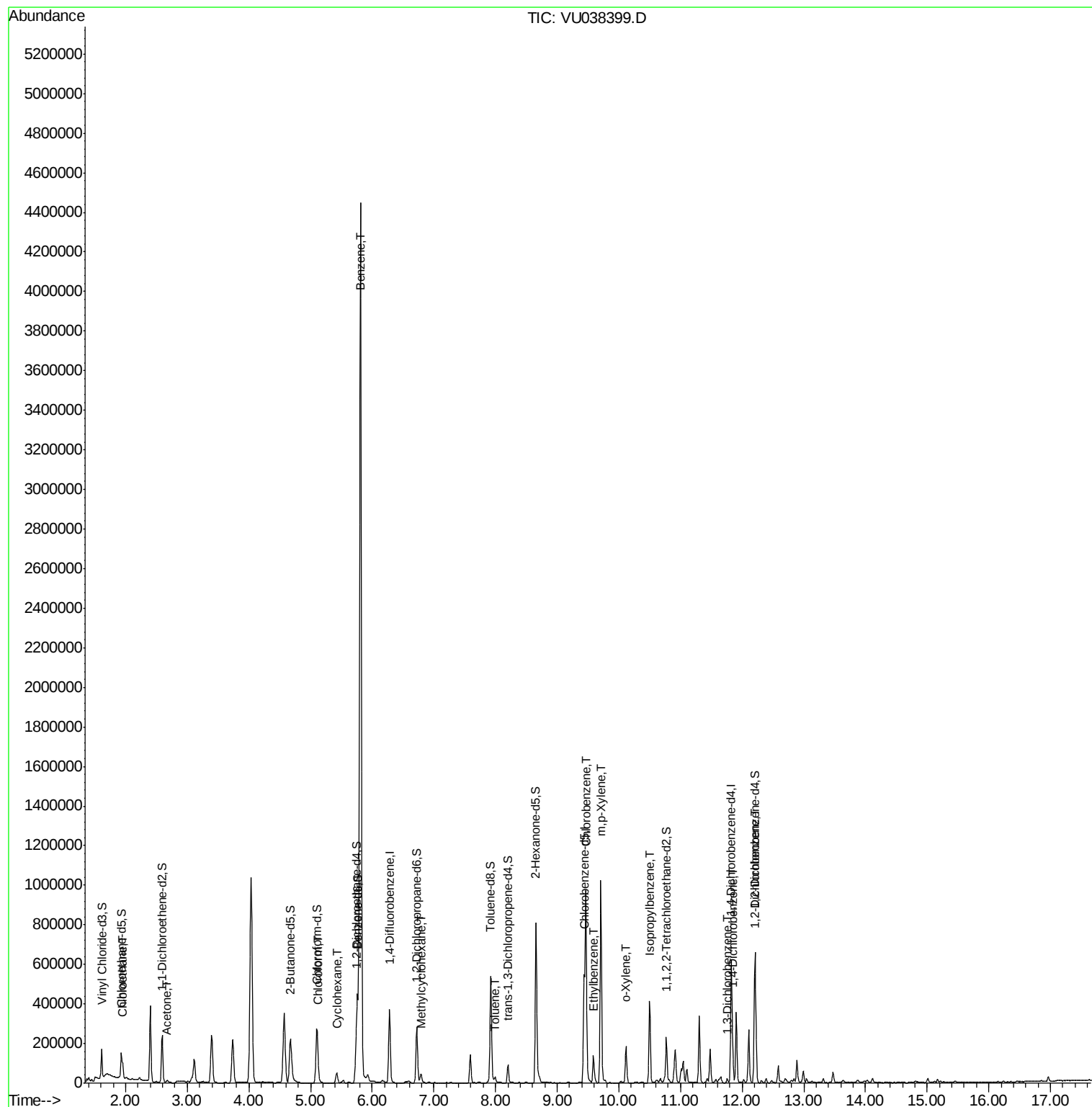
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

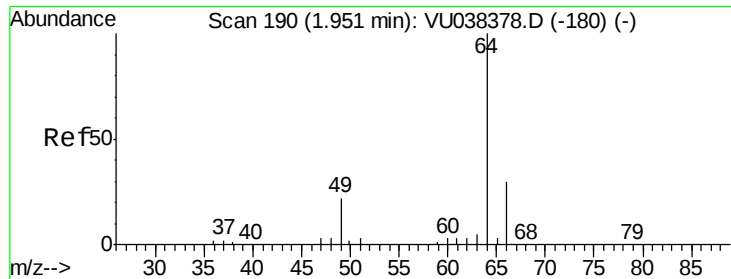
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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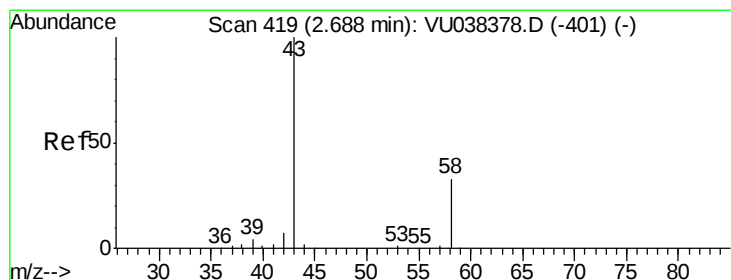
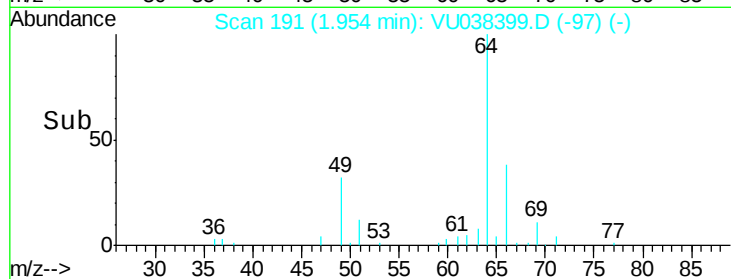
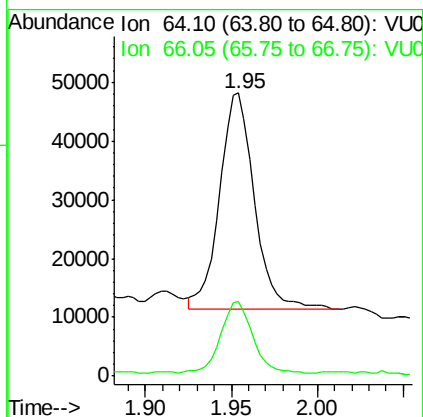
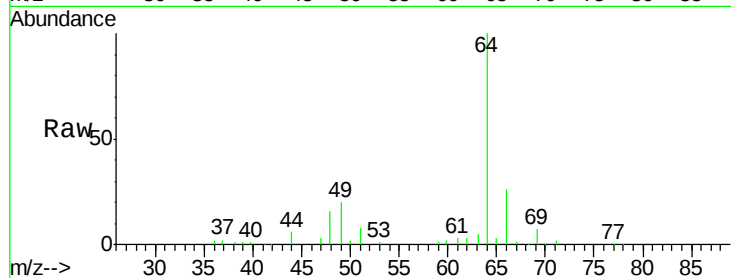




#8
Chloroethane
Concen: 2.58 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU038399.D
Acq: 30 May 2020 00:15

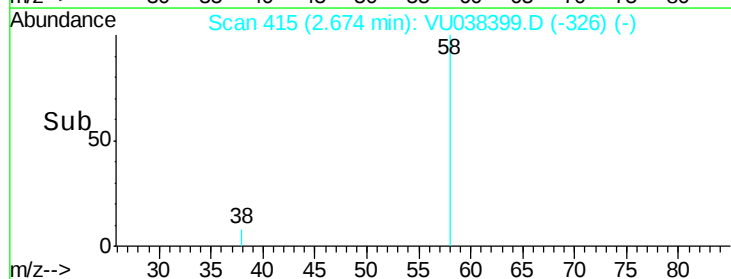
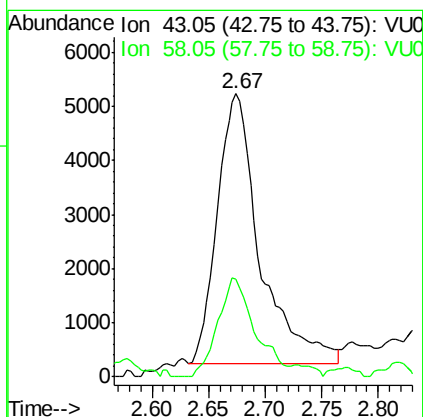
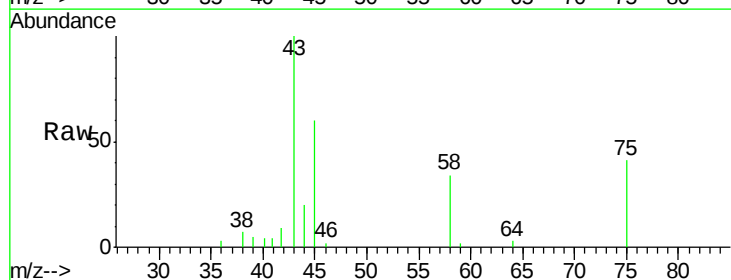
Instrument :
MSVOA_U
ClientSampleId :
BE4Z1

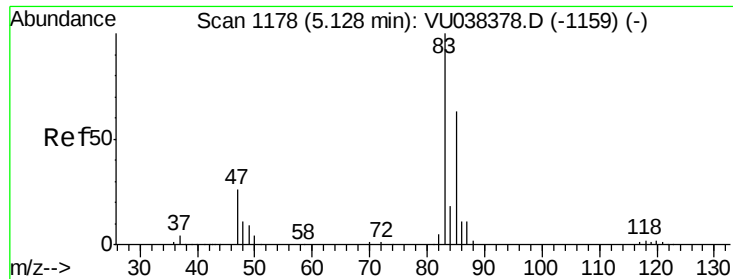
Tgt Ion: 64 Resp: 52031
Ion Ratio Lower Upper
64 100
66 26.4 21.8 40.4



#13
Acetone
Concen: 3.05 ug/L
RT: 2.67 min Scan# 415
Delta R.T. -0.01 min
Lab File: VU038399.D
Acq: 30 May 2020 00:15

Tgt Ion: 43 Resp: 13138
Ion Ratio Lower Upper
43 100
58 31.8 0.0 63.6

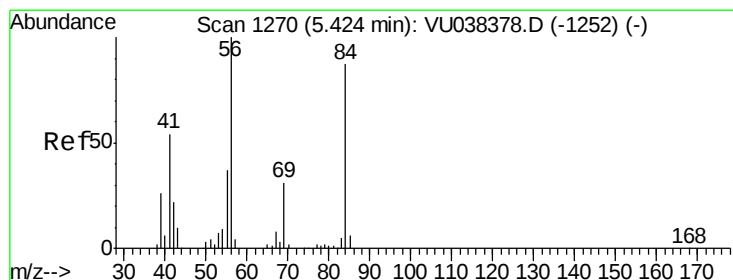
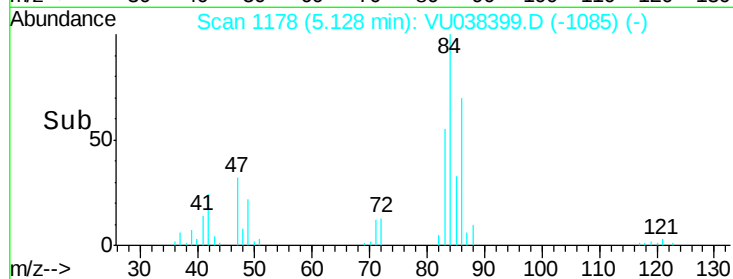
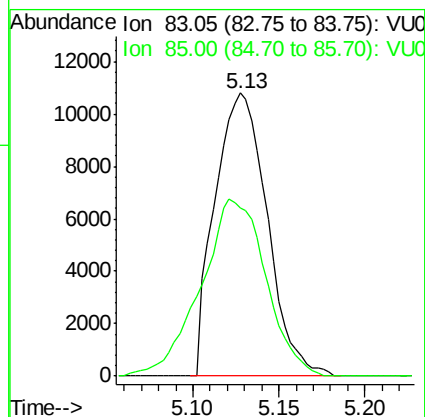
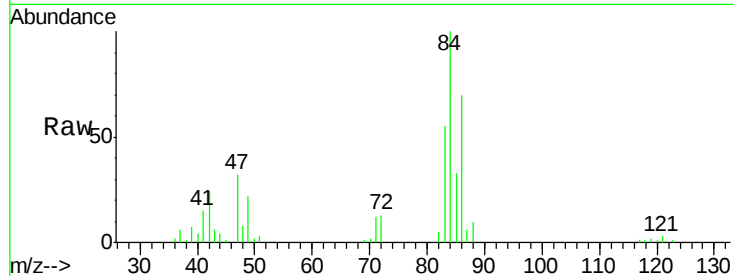




#25
Chloroform
Concen: 0.54 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU038399.D
Acq: 30 May 2020 00:15

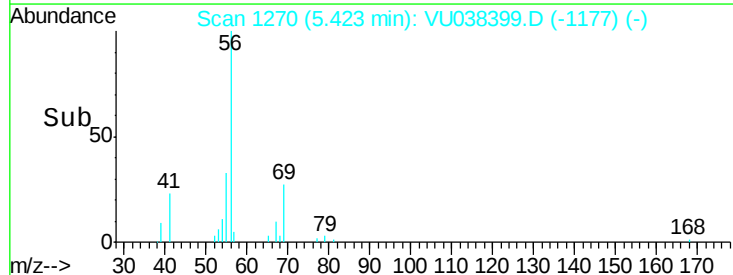
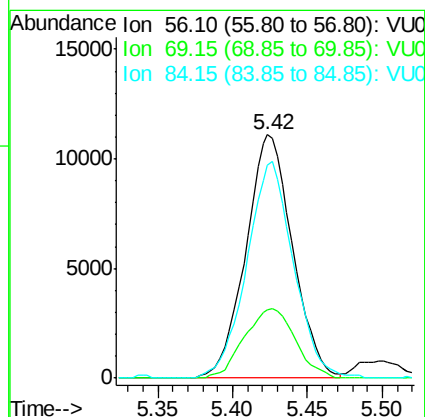
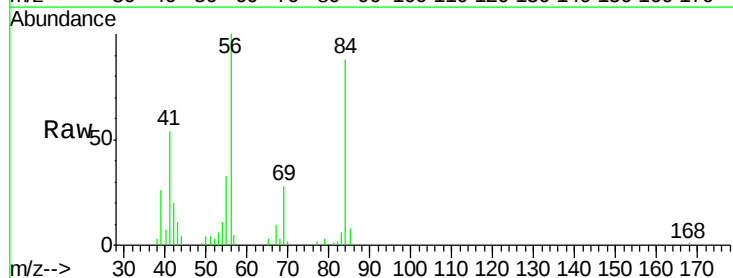
Instrument :
MSVOA_U
ClientSampleId :
BE4Z1

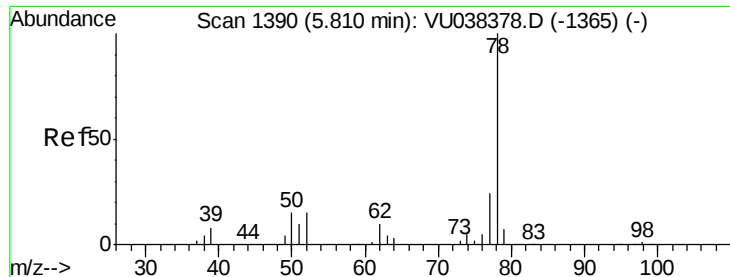
Tgt Ion: 83 Resp: 22865
Ion Ratio Lower Upper
83 100
85 59.4 46.2 85.8



#30
Cyclohexane
Concen: 0.60 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU038399.D
Acq: 30 May 2020 00:15

Tgt Ion: 56 Resp: 24058
Ion Ratio Lower Upper
56 100
69 30.9 24.2 36.4
84 89.2 68.5 102.7





#33

Benzene

Concen: 44.96 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU038399.D

Acq: 30 May 2020 00:15

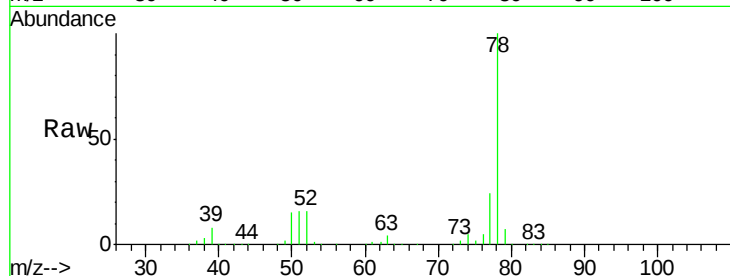
Instrument :

MSVOA_U

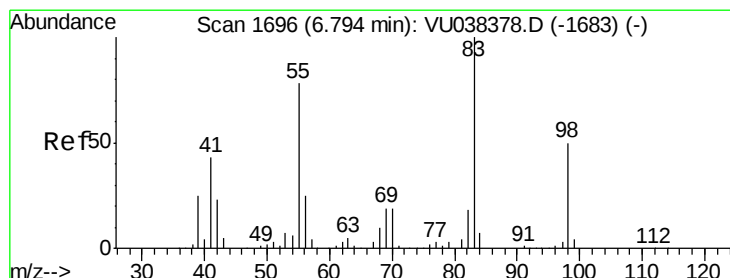
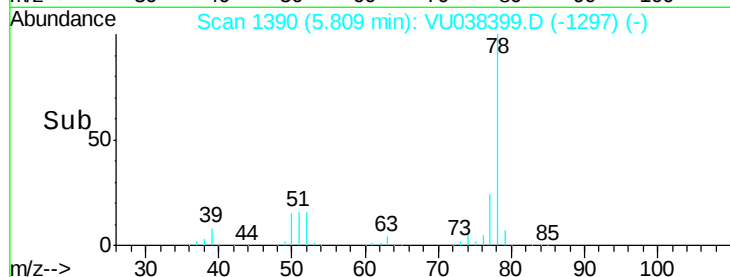
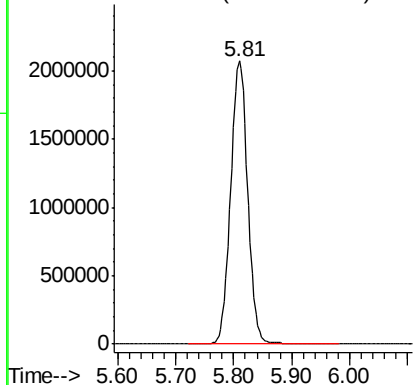
ClientSampleId :

BE4Z1

Tgt Ion: 78 Resp: 4233730



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.48 ug/L

RT: 6.79 min Scan# 1696

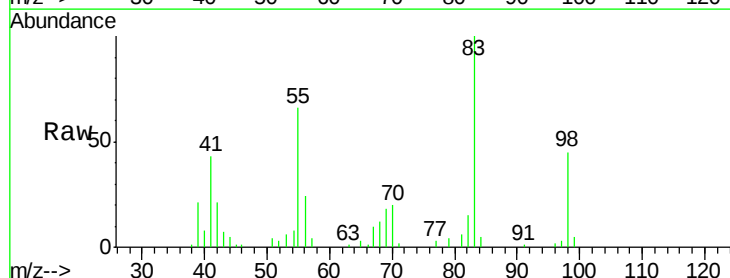
Delta R.T. -0.00 min

Lab File: VU038399.D

Acq: 30 May 2020 00:15

Tgt Ion: 83 Resp: 18428

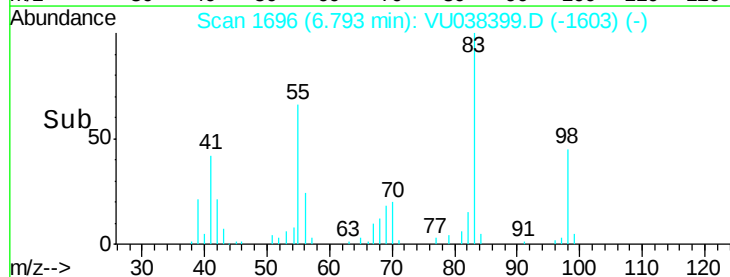
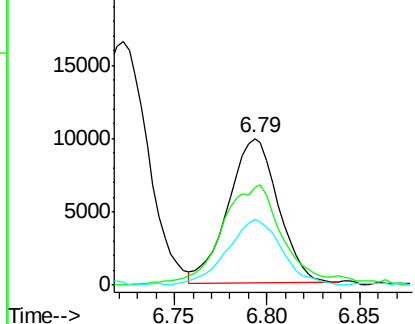
Ion	Ratio	Lower	Upper
83	100		
55	86.9	66.7	100.1
98	49.9	39.4	59.2

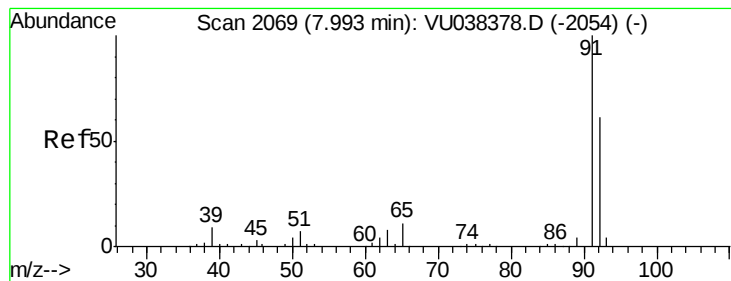


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#42

Toluene

Concen: 0.20 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038399.D

Acq: 30 May 2020 00:15

Instrument :

MSVOA_U

ClientSampled :

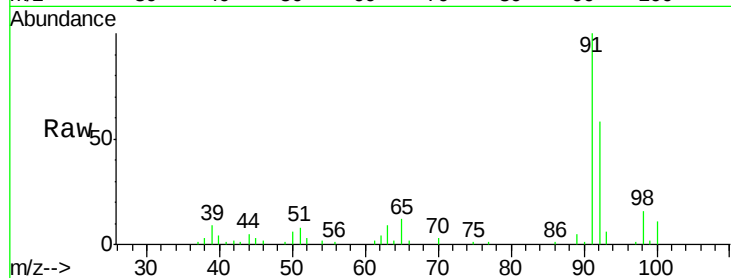
BE4Z1

Tgt Ion: 91 Resp: 19804

Ion Ratio Lower Upper

91 100

92 58.0 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU038378.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU038378.D (-2054) (-)

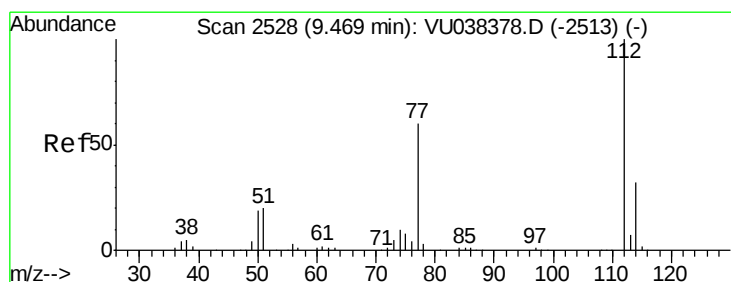
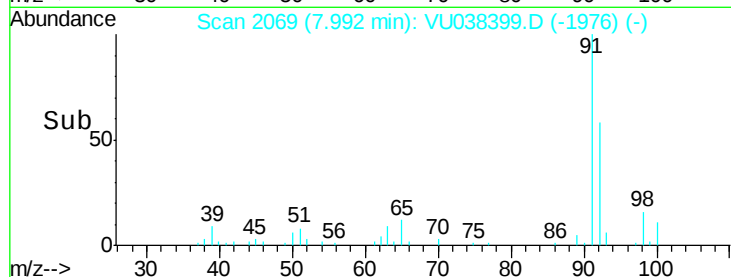
7.99

10000

5000

0

Time-->



#51

Chlorobenzene

Concen: 8.30 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU038399.D

Acq: 30 May 2020 00:15

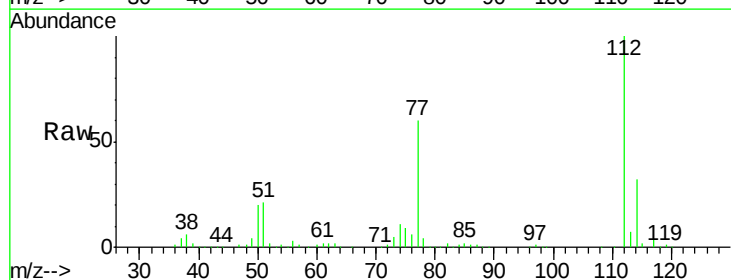
Tgt Ion: 112 Resp: 512130

Ion Ratio Lower Upper

112 100

114 32.3 22.5 41.7

77 60.1 49.9 74.9



Abundance Ion 112.10 (111.80 to 112.80): VU038378.D (-2513) (-)

Ion 114.05 (113.75 to 114.75): VU038378.D (-2513) (-)

Ion 77.10 (76.80 to 77.80): VU038378.D (-2513) (-)

9.47

400000

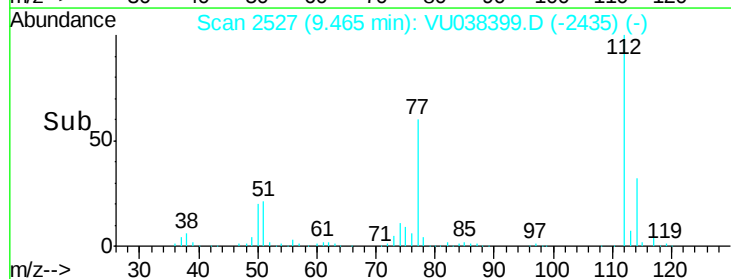
300000

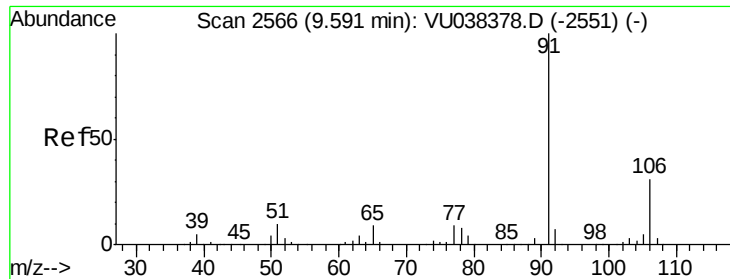
200000

100000

0

Time-->





#52

Ethylbenzene

Concen: 0.92 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038399.D

Acq: 30 May 2020 00:15

Instrument :

MSVOA_U

ClientSampleId :

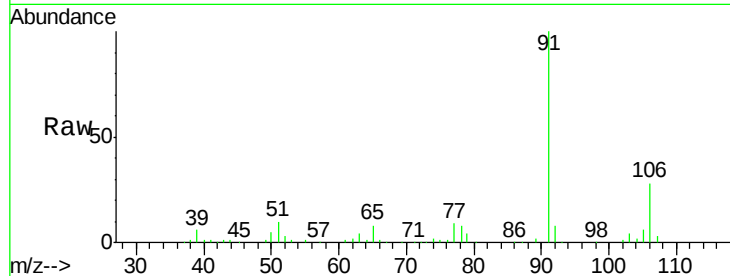
BE4Z1

Tgt Ion: 91 Resp: 99506

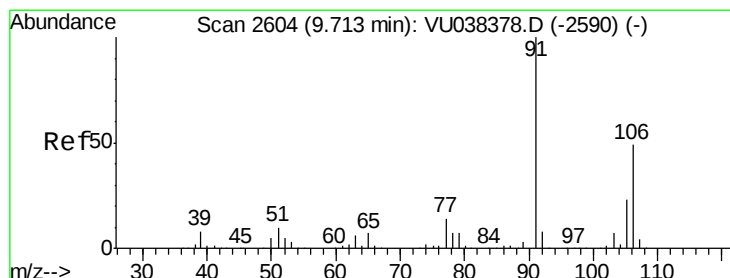
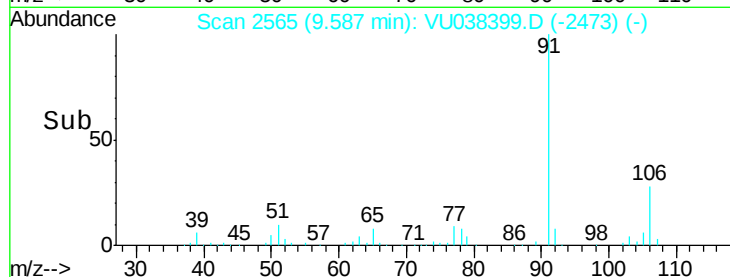
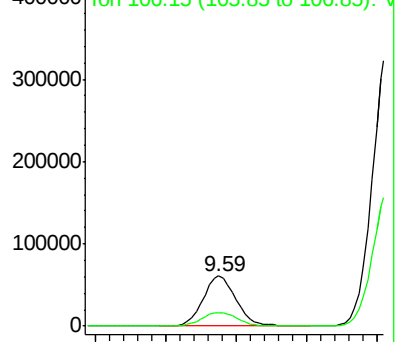
Ion Ratio Lower Upper

91 100

106 27.9 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU038378.D (-2551) (-)



#53

m,p-Xylene

Concen: 7.18 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038399.D

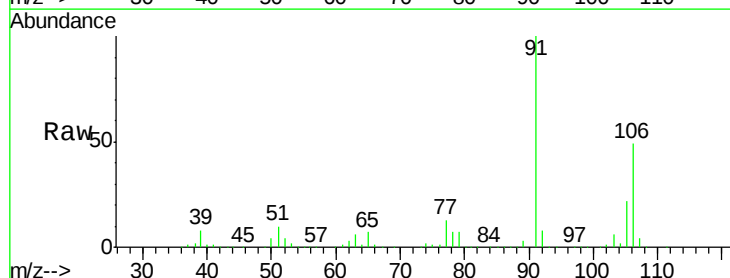
Acq: 30 May 2020 00:15

Tgt Ion: 106 Resp: 296445

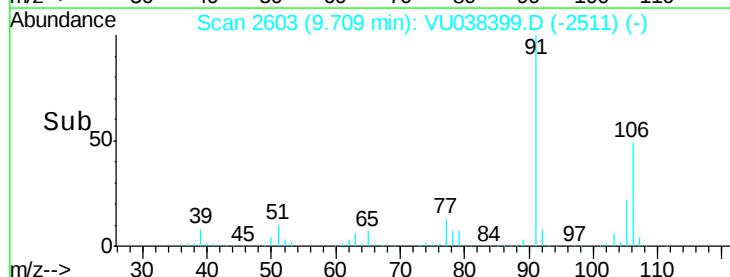
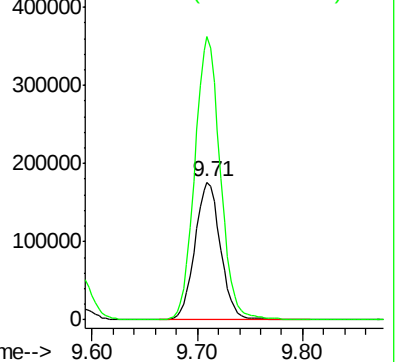
Ion Ratio Lower Upper

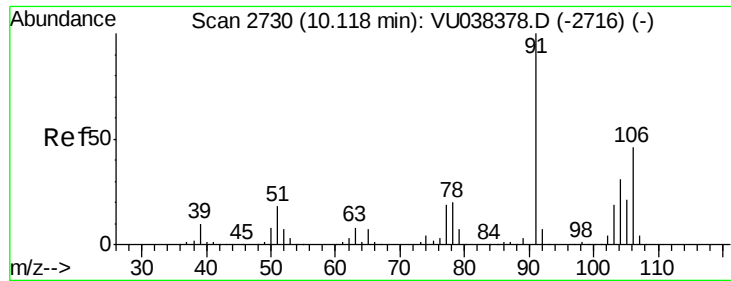
106 100

91 205.0 142.1 263.9



Abundance Ion 106.15 (105.85 to 106.85): VU038378.D (-2590) (-)

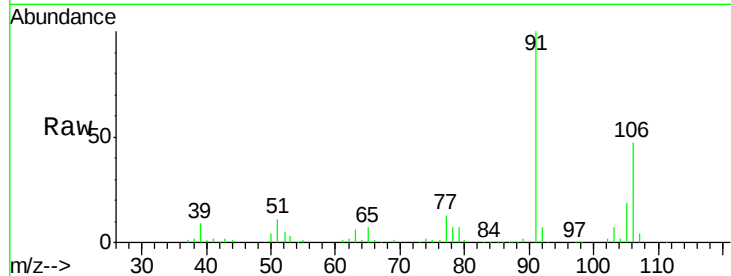




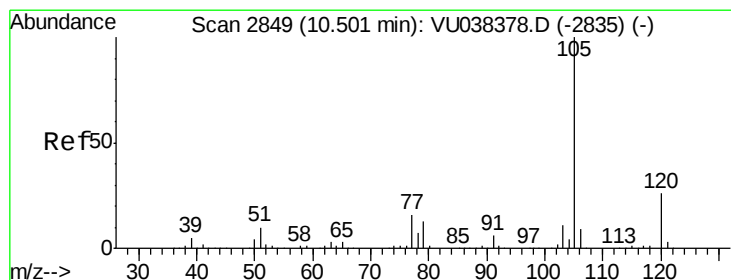
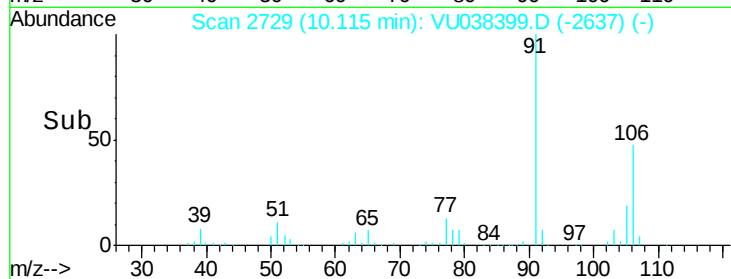
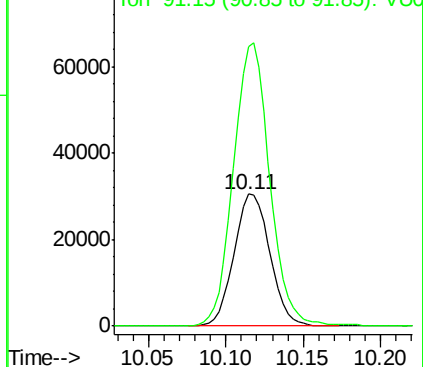
#54
o-Xylene
Concen: 1.23 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU038399.D
Acq: 30 May 2020 00:15

Instrument :
MSVOA_U
ClientSampleId :
BE4Z1

Tgt Ion:106 Resp: 49275
Ion Ratio Lower Upper
106 100
91 211.3 148.5 275.9

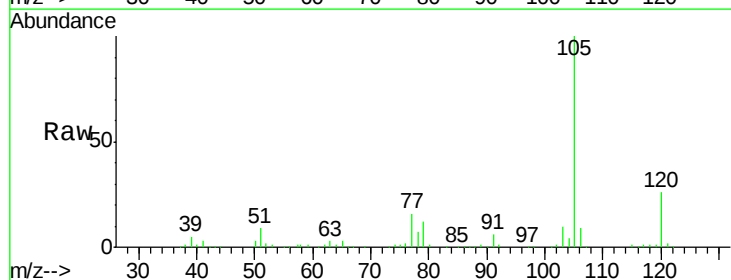


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

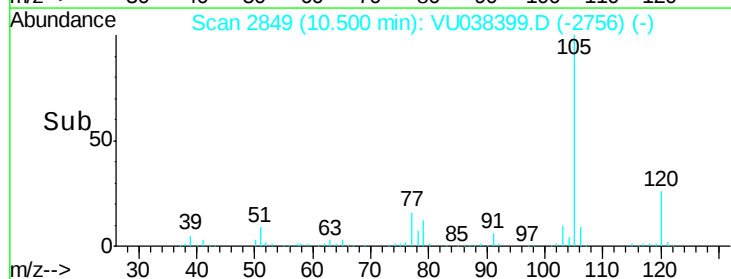
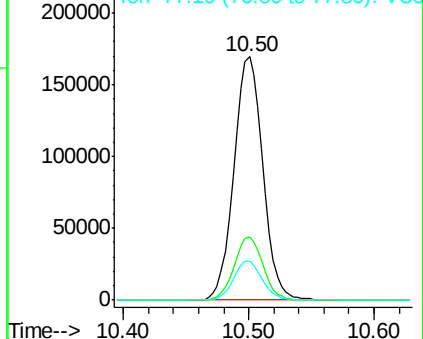


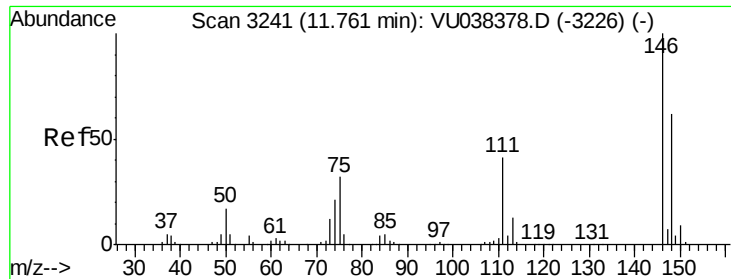
#56
Isopropylbenzene
Concen: 2.64 ug/L
RT: 10.50 min Scan# 2849
Delta R.T. -0.00 min
Lab File: VU038399.D
Acq: 30 May 2020 00:15

Tgt Ion:105 Resp: 270903
Ion Ratio Lower Upper
105 100
120 25.7 21.0 31.6
77 15.9 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

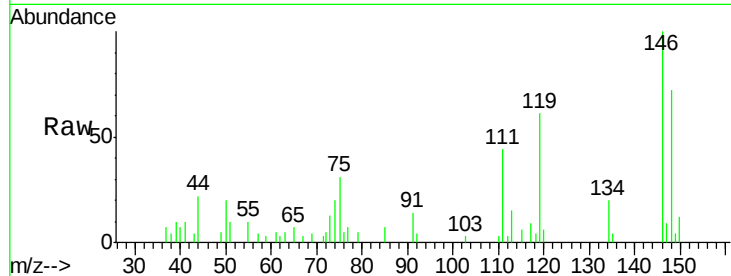




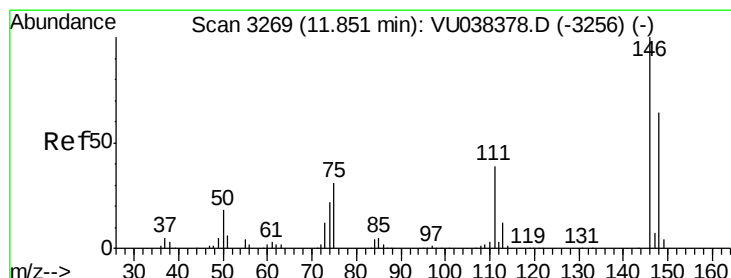
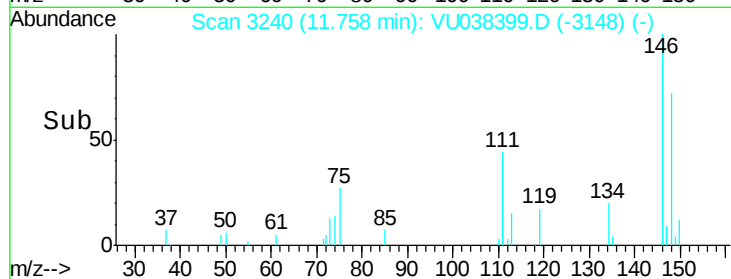
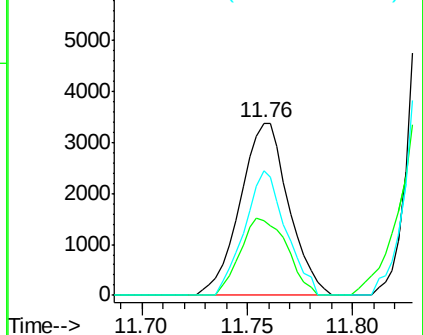
#62
 1,3-Dichlorobenzene
 Concen: 0.11 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU038399.D
 Acq: 30 May 2020 00:15

Instrument :
 MSVOA_U
 ClientSampleId :
 BE4Z1

Tgt Ion:146 Resp: 5416
 Ion Ratio Lower Upper
 146 100
 111 43.6 28.6 53.2
 148 72.1 45.2 84.0

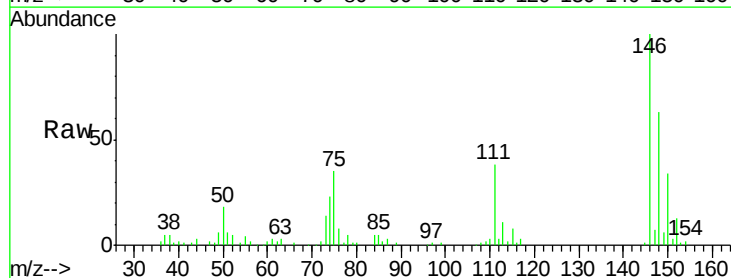


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

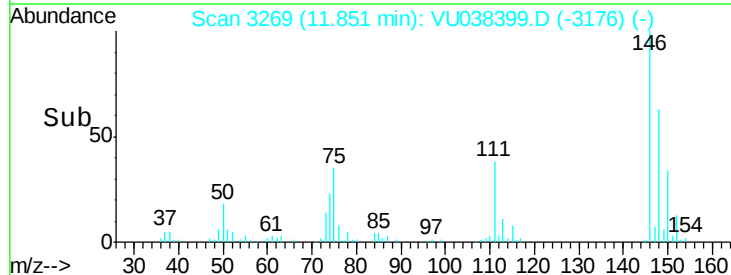
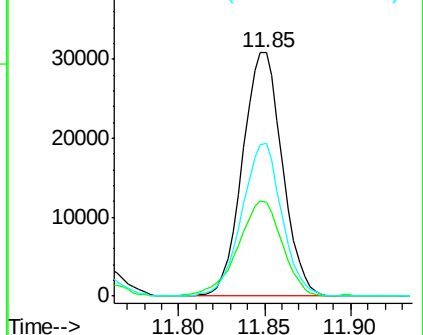


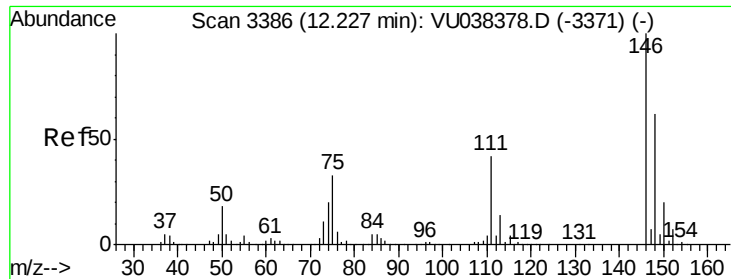
#63
 1,4-Dichlorobenzene
 Concen: 1.01 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. -0.00 min
 Lab File: VU038399.D
 Acq: 30 May 2020 00:15

Tgt Ion:146 Resp: 49591
 Ion Ratio Lower Upper
 146 100
 111 38.5 27.2 50.6
 148 62.9 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: 1.68 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU038399.D

Acq: 30 May 2020 00:15

Instrument :

MSVOA_U

ClientSampleId :

BE4Z1

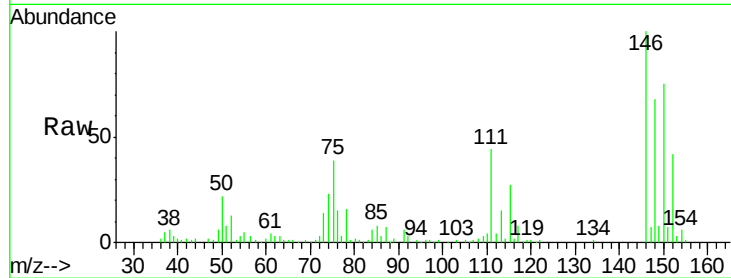
Tgt Ion:146 Resp: 78849

Ion Ratio Lower Upper

146 100

111 44.2 35.3 52.9

148 68.4 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

