

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U052720\
 Data File : VU038326.D
 Acq On : 27 May 2020 17:19
 Operator : JC/MD
 Sample : L2749-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BE4X3

Quant Time: May 28 20:50:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 28 04:16:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	293115	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	292833	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	153833	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	86704	3.23	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.60%
7) Chloroethane-d5	1.93	69	82584	3.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	71.20%
11) 1,1-Dichloroethene-d2	2.59	63	138422	3.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.80%
20) 2-Butanone-d5	4.69	46	370712	56.04	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.08%
24) Chloroform-d	5.10	84	196547	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
26) 1,2-Dichloroethane-d4	5.74	65	115893	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
32) Benzene-d6	5.76	84	407557	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
36) 1,2-Dichloropropane-d6	6.72	67	130881	4.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.40%
41) Toluene-d8	7.92	98	373732	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
43) trans-1,3-Dichloropropene-	8.20	79	50618	4.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.20%
46) 2-Hexanone-d5	8.66	63	288326	53.82	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.64%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	112553	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	149193	4.98	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.95	64	32779	1.683	ug/L #	81
18) trans-1,2-Dichloroethene	3.39	96	4853	0.219	ug/L	98
19) 1,1-Dichloroethane	3.91	63	5692	0.131	ug/L	94
30) Cyclohexane	5.42	56	112216	2.833	ug/L	100
33) Benzene	5.81	78	228509	2.437	ug/L	100
35) Methylcyclohexane	6.79	83	59143	1.557	ug/L #	87
42) Toluene	7.99	91	35360	0.357	ug/L	91
51) Chlorobenzene	9.47	112	4912307	79.962	ug/L	99
52) Ethylbenzene	9.59	91	10670	0.100	ug/L	97
53) m,p-Xylene	9.71	106	3625	0.088	ug/L	62
54) o-Xylene	10.12	106	21897	0.551	ug/L	99
56) Isopropylbenzene	10.50	105	7328092	71.762	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	28540	0.570	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	283146	5.583	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	200507	4.164	ug/L	100

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 28 04:16:01 2020
Response via : Initial Calibration

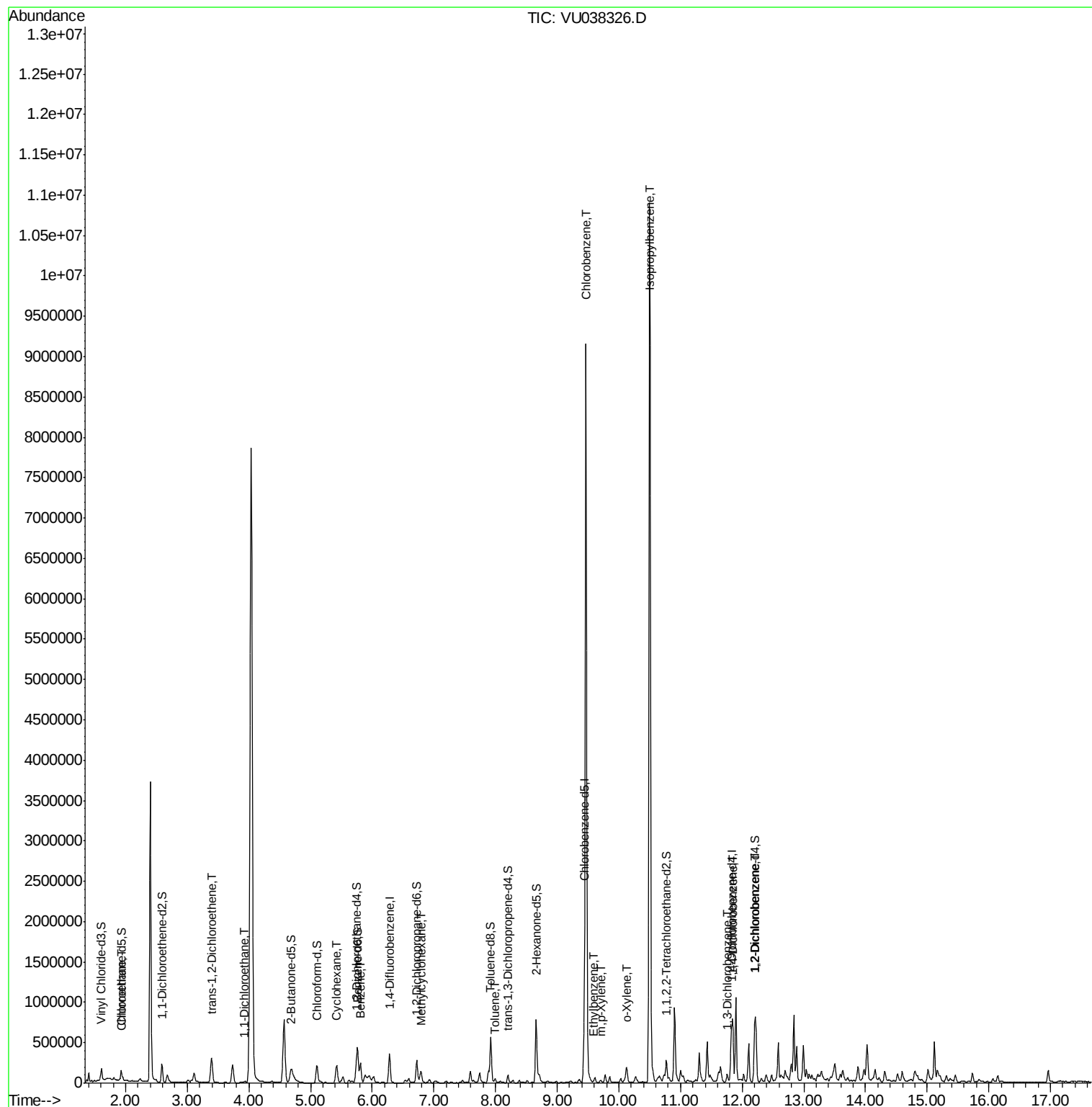
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

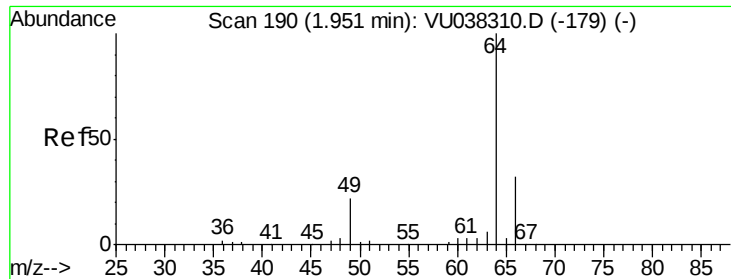
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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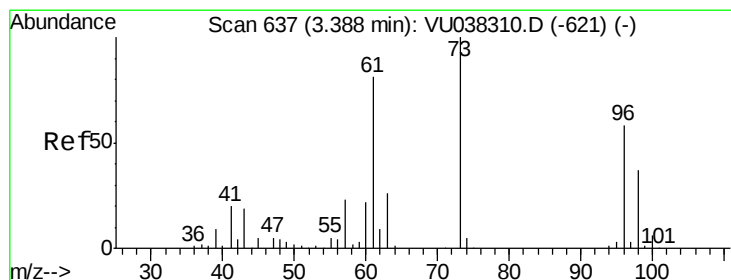
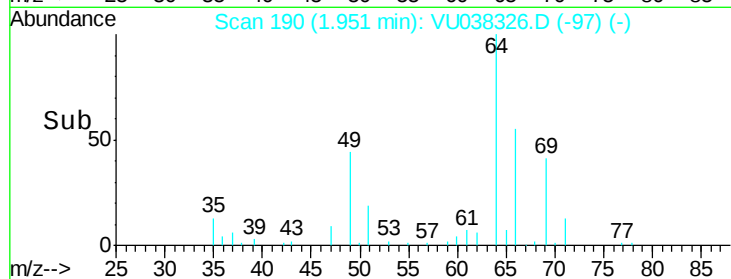
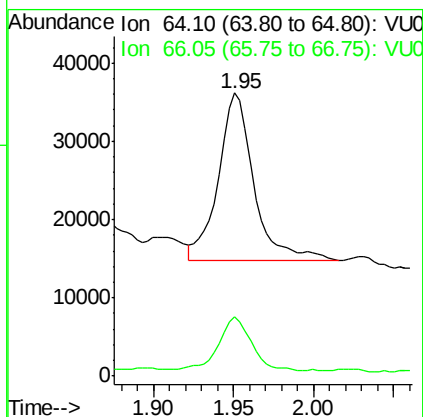
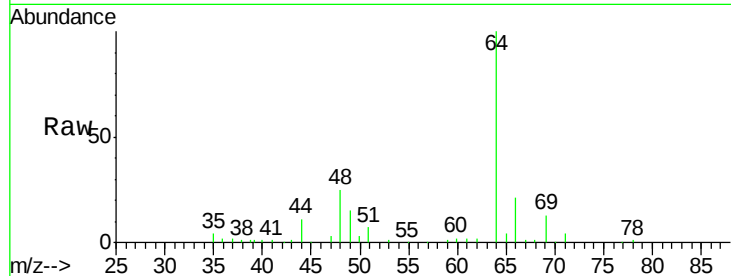




#8
Chloroethane
Concen: 1.683 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU038326.D
Acq: 27 May 2020 17:19

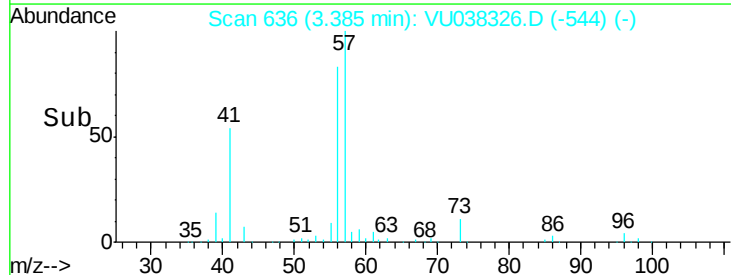
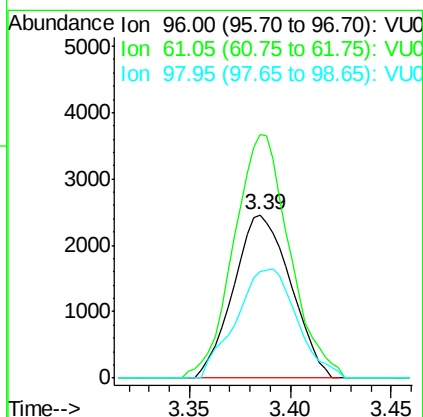
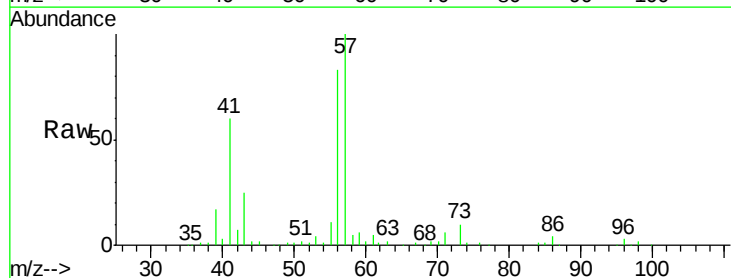
Instrument :
MSVOA_U
ClientSampled :
BE4X3

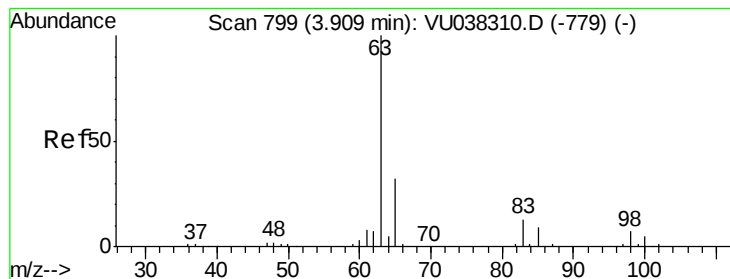
Tot Ion: 64 Resp: 32779
Ion Ratio Lower Upper
64 100
66 20.8 21.8 40.4#



#18
trans-1,2-Dichloroethene
Concen: 0.219 ug/L
RT: 3.39 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU038326.D
Acq: 27 May 2020 17:19

Tgt Ion: 96 Resp: 4853
Ion Ratio Lower Upper
96 100
61 148.9 102.1 189.5
98 65.2 45.6 84.8





#19

1,1-Dichloroethane

Concen: 0.131 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU038326.D

Acq: 27 May 2020 17:19

Instrument :

MSVOA_U

ClientSampleId :

BE4X3

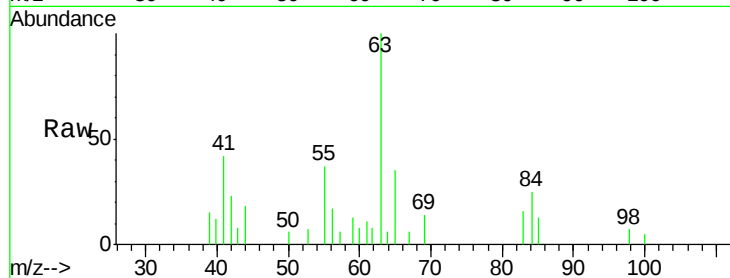
Tot Ion: 63 Resp: 5692

Ion Ratio Lower Upper

63 100

65 35.3 22.5 41.7

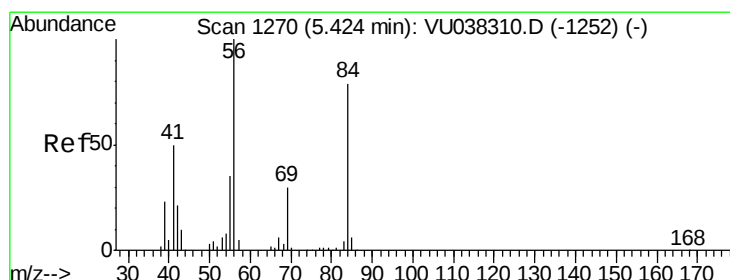
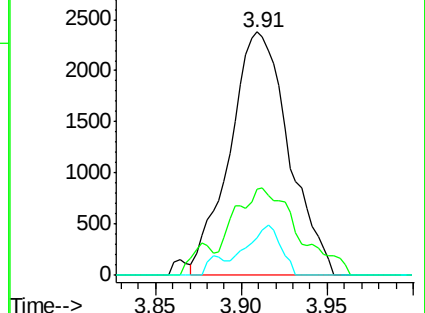
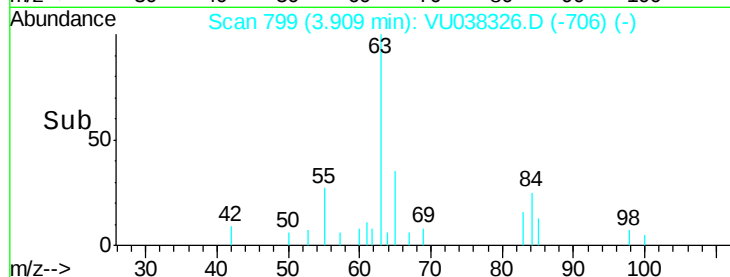
83 15.5 8.9 16.5



Abundance Ion 63.10 (62.80 to 63.80): VU038326.D (-706) (-)

Ion 65.10 (64.80 to 65.80): VU038326.D (-706) (-)

Ion 83.05 (82.75 to 83.75): VU038326.D (-706) (-)



#30

Cyclohexane

Concen: 2.833 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VU038326.D

Acq: 27 May 2020 17:19

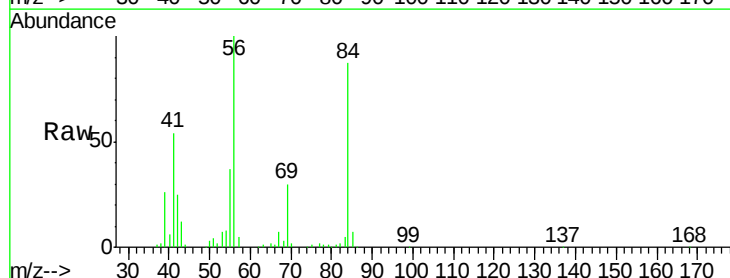
Tgt Ion: 56 Resp: 112216

Ion Ratio Lower Upper

56 100

69 30.4 24.2 36.4

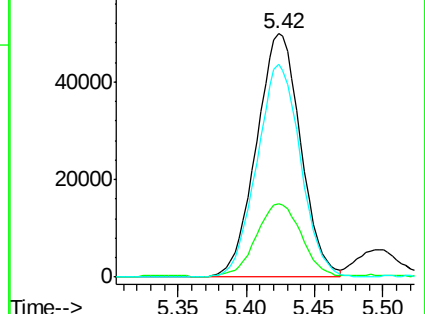
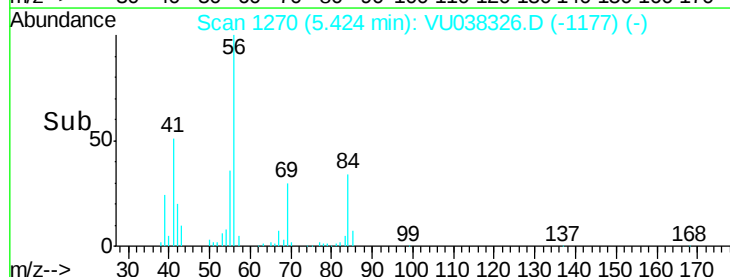
84 86.1 68.5 102.7

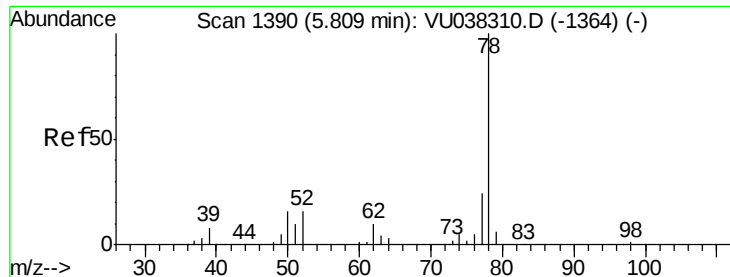


Abundance Ion 56.10 (55.80 to 56.80): VU038326.D (-1177) (-)

Ion 69.15 (68.85 to 69.85): VU038326.D (-1177) (-)

Ion 84.15 (83.85 to 84.85): VU038326.D (-1177) (-)





#33

Benzene

Concen: 2.437 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU038326.D

Acq: 27 May 2020 17:19

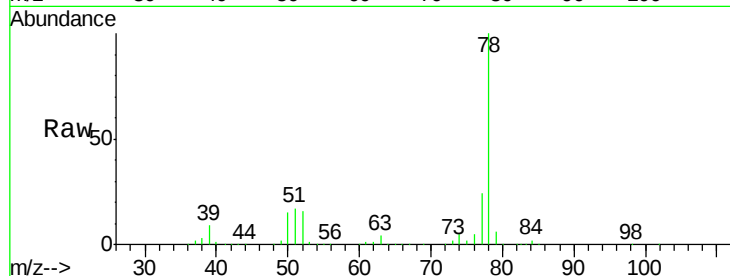
Instrument :

MSVOA_U

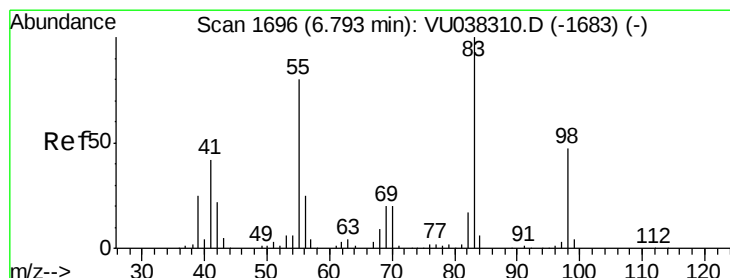
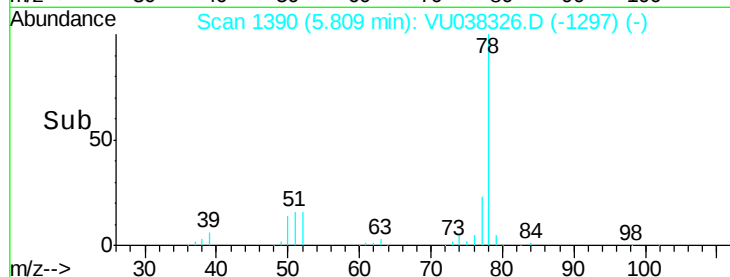
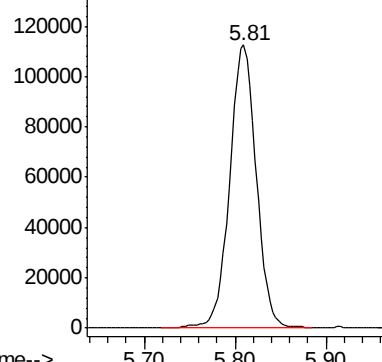
ClientSampleId :

BE4X3

Tgt Ion: 78 Resp: 228509



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 1.557 ug/L

RT: 6.79 min Scan# 1696

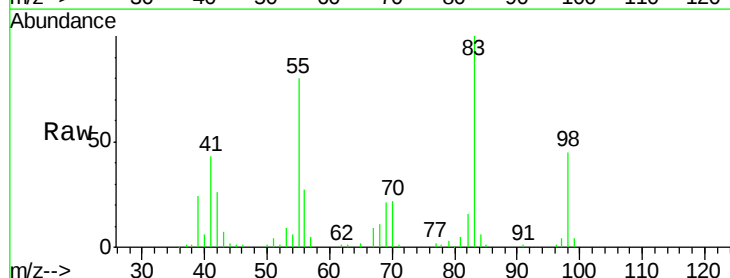
Delta R.T. -0.00 min

Lab File: VU038326.D

Acq: 27 May 2020 17:19

Tgt Ion: 83 Resp: 59143

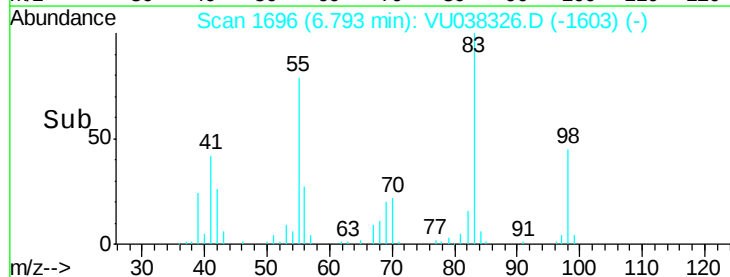
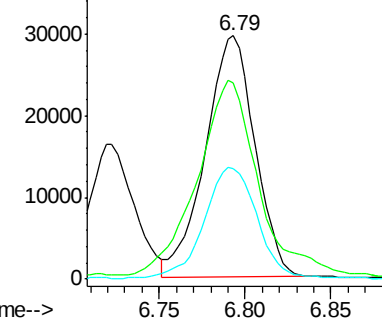
Ion	Ratio	Lower	Upper
83	100		
55	101.0	66.7	100.1#
98	50.0	39.4	59.2

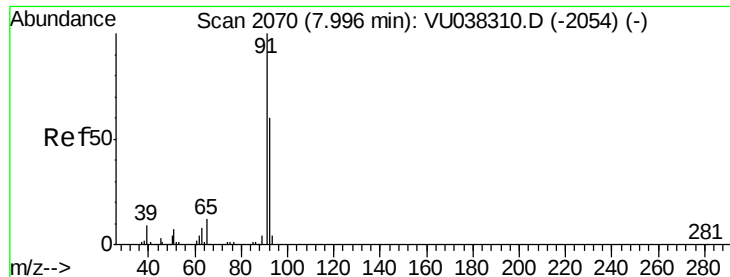


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#42

Toluene

Concen: 0.357 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038326.D

Acq: 27 May 2020 17:19

Instrument :

MSVOA_U

ClientSampleId :

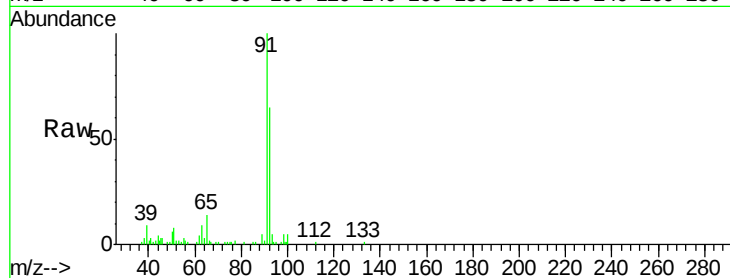
BE4X3

Tot Ion: 91 Resp: 35360

Ion Ratio Lower Upper

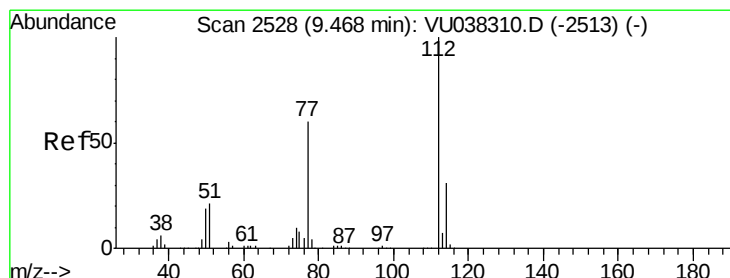
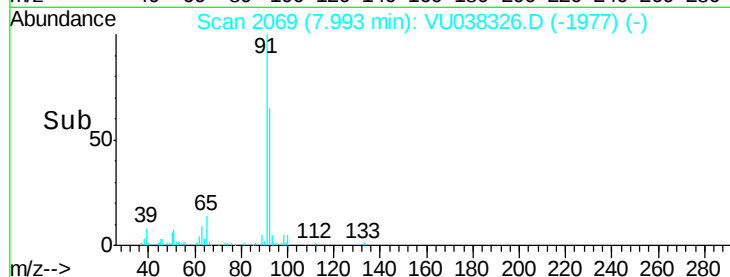
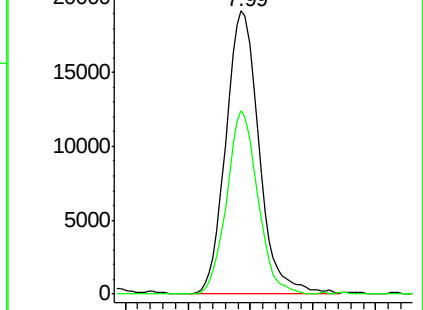
91 100

92 65.0 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU038310.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU038310.D (-2054) (-)



#51

Chlorobenzene

Concen: 79.962 ug/L

RT: 9.47 min Scan# 2528

Delta R.T. -0.00 min

Lab File: VU038326.D

Acq: 27 May 2020 17:19

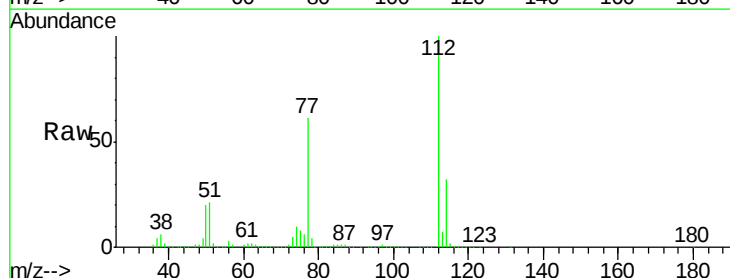
Tgt Ion: 112 Resp: 4912307

Ion Ratio Lower Upper

112 100

114 32.0 22.5 41.7

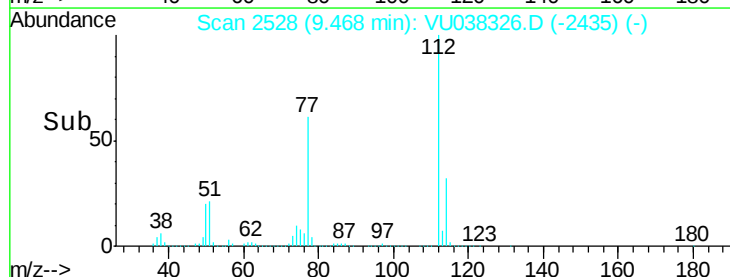
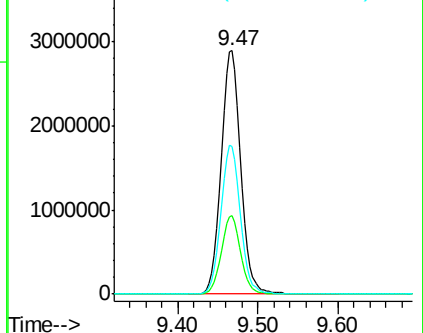
77 60.9 49.9 74.9

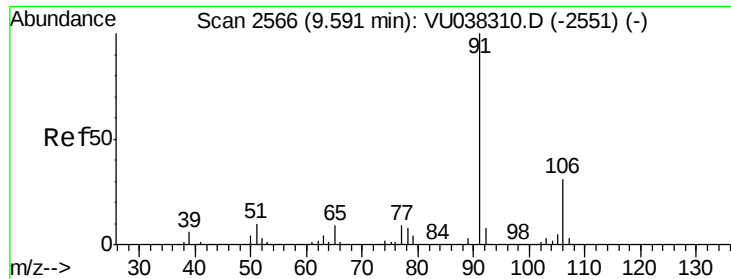


Abundance Ion 112.10 (111.80 to 112.80): VU038310.D (-2513) (-)

Ion 114.05 (113.75 to 114.75): VU038310.D (-2513) (-)

Ion 77.10 (76.80 to 77.80): VU038310.D (-2513) (-)





#52

Ethylbenzene

Concen: 0.100 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038326.D

Acq: 27 May 2020 17:19

Instrument :

MSVOA_U

ClientSampleId :

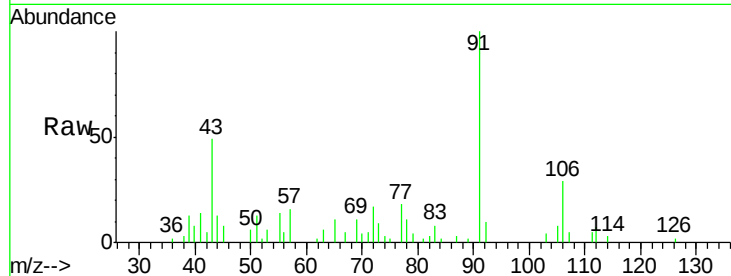
BE4X3

Tot Ion: 91 Resp: 10670

Ion Ratio Lower Upper

91 100

106 29.2 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU038310.D (-2551) (-)

Ion 106.15 (105.85 to 106.85): VU038310.D (-2551) (-)

9.59

6000

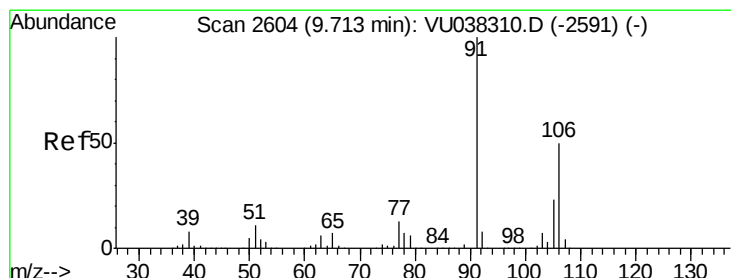
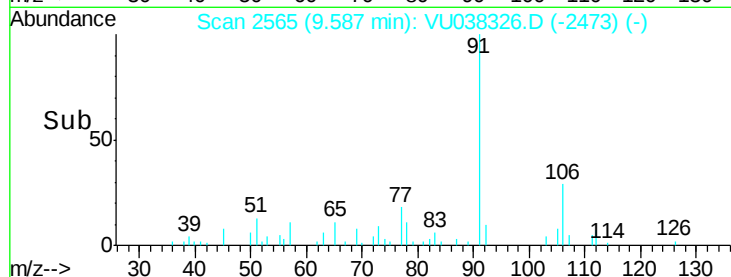
4000

2000

0

9.55 9.60 9.65

Time-->



#53

m,p-Xylene

Concen: 0.088 ug/L

RT: 9.71 min Scan# 2602

Delta R.T. -0.01 min

Lab File: VU038326.D

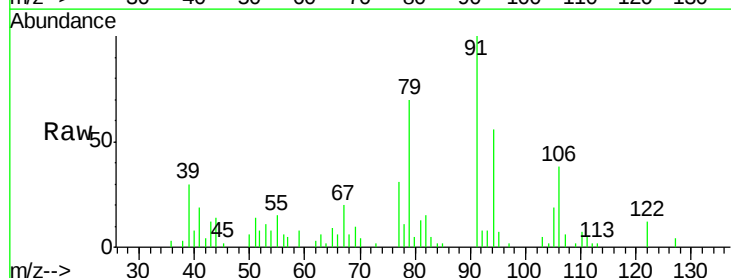
Acq: 27 May 2020 17:19

Tgt Ion: 106 Resp: 3625

Ion Ratio Lower Upper

106 100

91 261.0 142.1 263.9



Abundance Ion 106.15 (105.85 to 106.85): VU038310.D (-2591) (-)

Ion 91.15 (90.85 to 91.85): VU038310.D (-2591) (-)

9.71

6000

5000

4000

3000

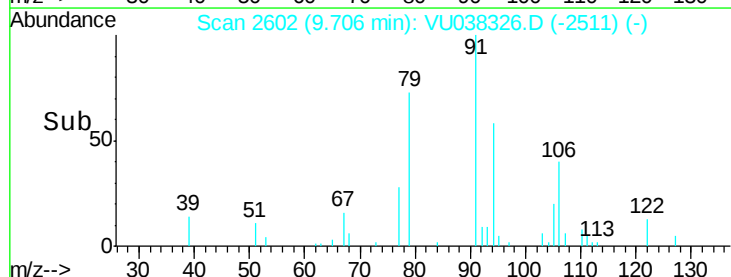
2000

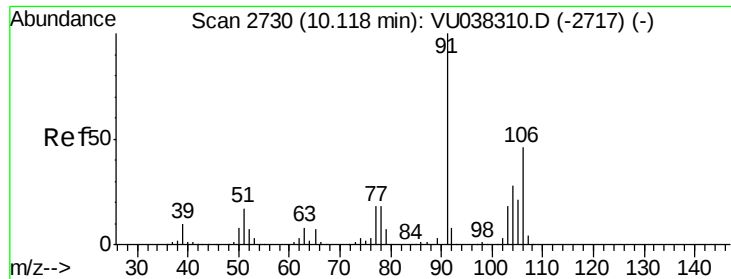
1000

0

9.65 9.70 9.75

Time-->

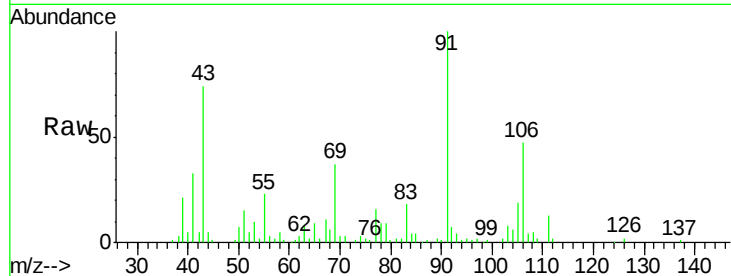




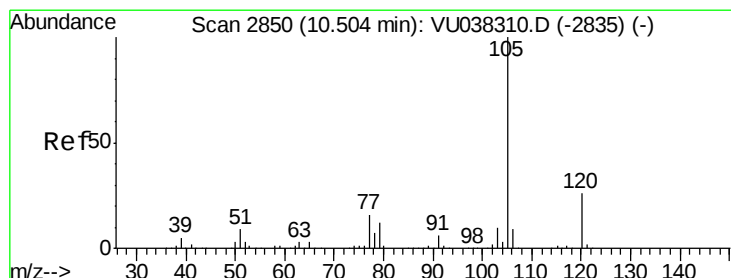
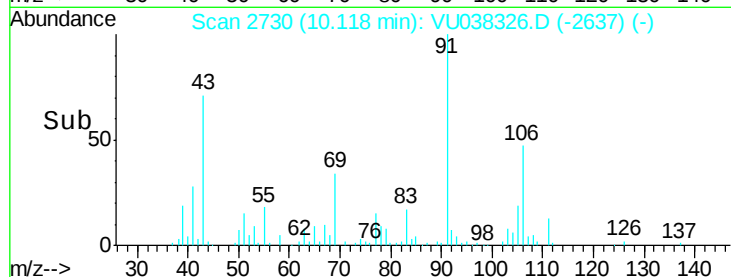
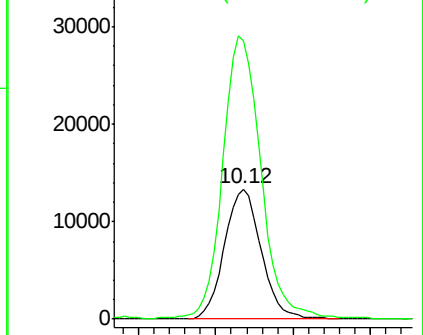
#54
o-Xylene
Concen: 0.551 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU038326.D
Acq: 27 May 2020 17:19

Instrument :
MSVOA_U
ClientSampled :
BE4X3

Tot Ion:106 Resp: 21897
Ion Ratio Lower Upper
106 100
91 213.3 148.5 275.9

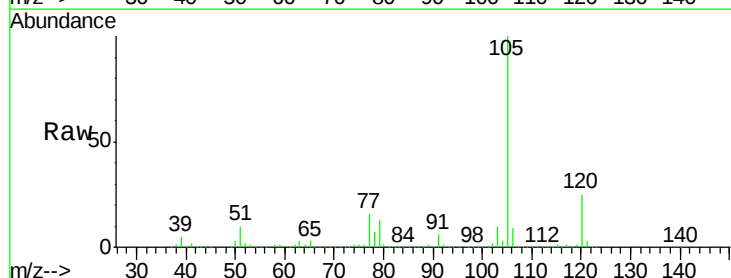


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

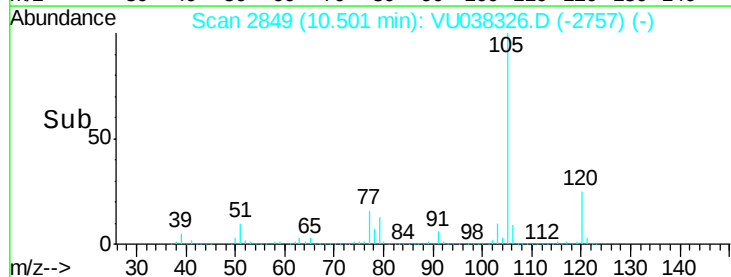
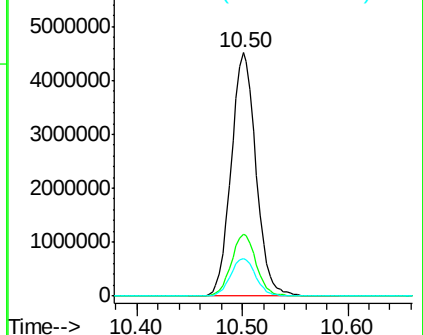


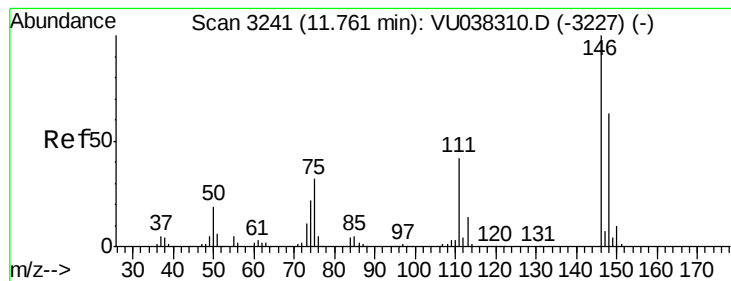
#56
Isopropylbenzene
Concen: 71.762 ug/L
RT: 10.50 min Scan# 2849
Delta R.T. -0.00 min
Lab File: VU038326.D
Acq: 27 May 2020 17:19

Tgt Ion:105 Resp: 7328092
Ion Ratio Lower Upper
105 100
120 25.5 21.0 31.6
77 15.8 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: 0.570 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. -0.00 min

Lab File: VU038326.D

Acq: 27 May 2020 17:19

Instrument :

MSVOA_U

ClientSampled :

BE4X3

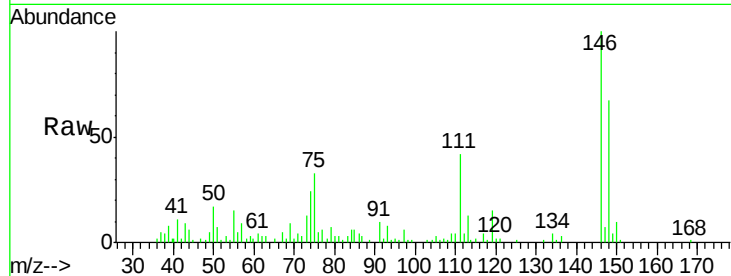
Tot Ion:146 Resp: 28540

Ion Ratio Lower Upper

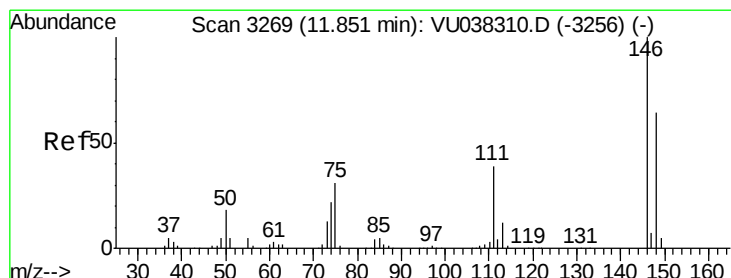
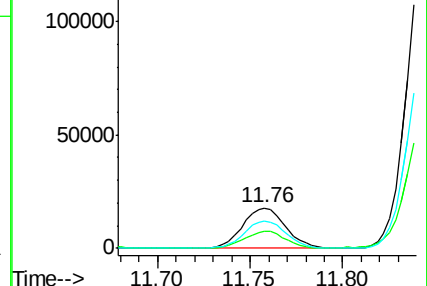
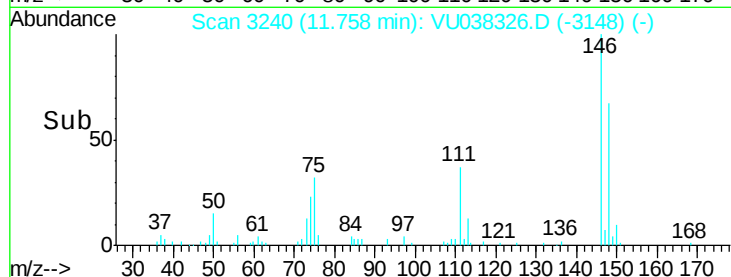
146 100

111 42.3 28.6 53.2

148 67.0 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: 5.583 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VU038326.D

Acq: 27 May 2020 17:19

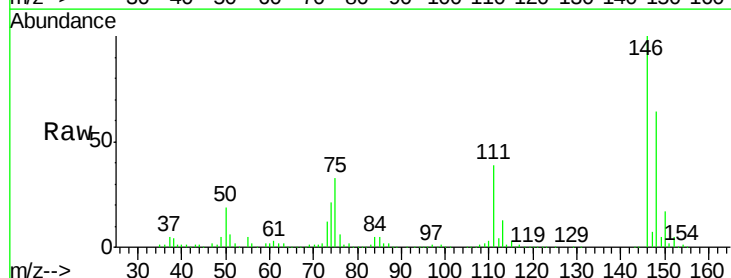
Tgt Ion:146 Resp: 283146

Ion Ratio Lower Upper

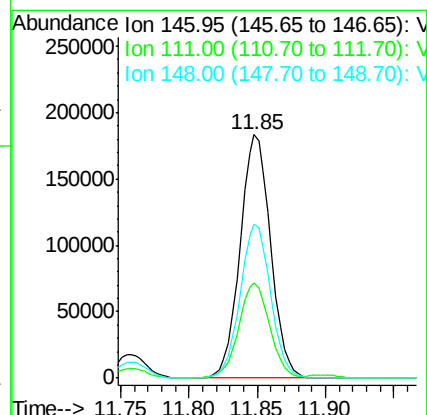
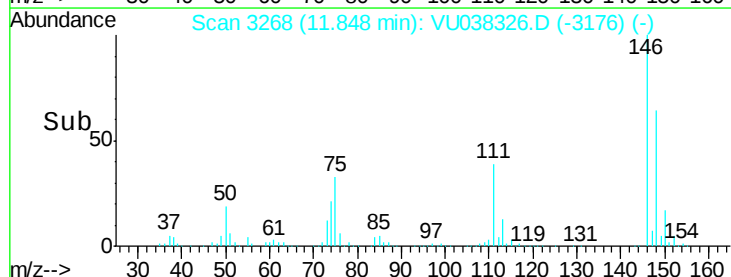
146 100

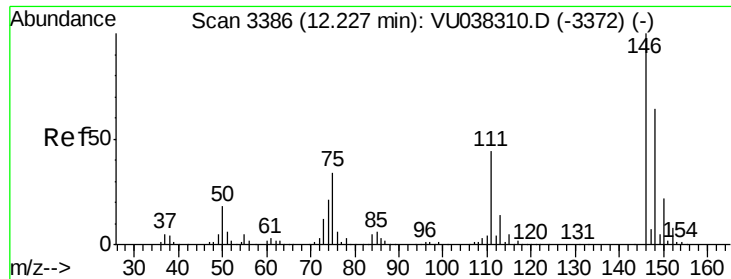
111 39.0 27.2 50.6

148 63.5 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: 4.164 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU038326.D

Acq: 27 May 2020 17:19

Instrument :

MSVOA_U

ClientSampleId :

BE4X3

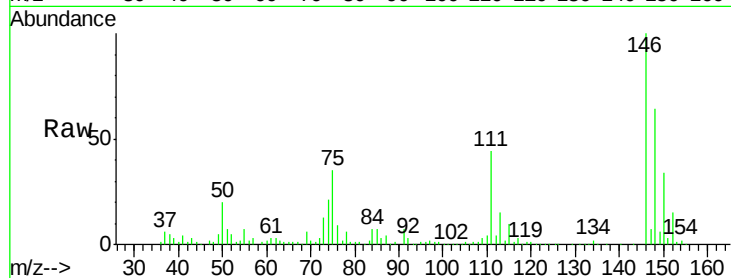
Tot Ion:146 Resp: 200507

Ion Ratio Lower Upper

146 100

111 44.2 35.3 52.9

148 64.1 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

