

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
 Data File : VU038398.D
 Acq On : 29 May 2020 23:52
 Operator : JC/MD
 Sample : L2766-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BE4Y9

Quant Time: May 30 03:01:07 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	300668	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	294499	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	148243	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	92334	3.36	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.20%
7) Chloroethane-d5	1.93	69	86660	3.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.80%
11) 1,1-Dichloroethene-d2	2.59	63	141671	3.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.60%
20) 2-Butanone-d5	4.68	46	358217	52.79	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.58%
24) Chloroform-d	5.10	84	197722	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.74	65	116963	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
32) Benzene-d6	5.76	84	406253	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
36) 1,2-Dichloropropane-d6	6.72	67	128667	4.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.40%
41) Toluene-d8	7.92	98	349925	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.20%
43) trans-1,3-Dichloropropene-	8.20	79	47839	4.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.80%
46) 2-Hexanone-d5	8.65	63	283235	52.57	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.14%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	109198	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.20%
64) 1,2-Dichlorobenzene-d4	12.20	152	144781	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Chloroethane	1.95	64	22566	1.13	ug/L	# 80
13) Acetone	2.69	43	12676	2.98	ug/L	70
19) 1,1-Dichloroethane	3.91	63	3691	0.08	ug/L	98
30) Cyclohexane	5.42	56	15842	0.40	ug/L	98
33) Benzene	5.81	78	1926163	20.42	ug/L	100
35) Methylcyclohexane	6.79	83	8662	0.23	ug/L	88
42) Toluene	7.99	91	12786	0.13	ug/L	94
51) Chlorobenzene	9.47	112	487361	7.89	ug/L	99
52) Ethylbenzene	9.59	91	12038	0.11	ug/L	93
53) m,p-Xylene	9.71	106	14741	0.36	ug/L	95
54) o-Xylene	10.11	106	3423	0.09	ug/L	80
56) Isopropylbenzene	10.50	105	33854	0.33	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	4168	0.09	ug/L	81
63) 1,4-Dichlorobenzene	11.85	146	62555	1.28	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	64581	1.39	ug/L	97

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat May 30 00:03:10 2020
Response via : Initial Calibration

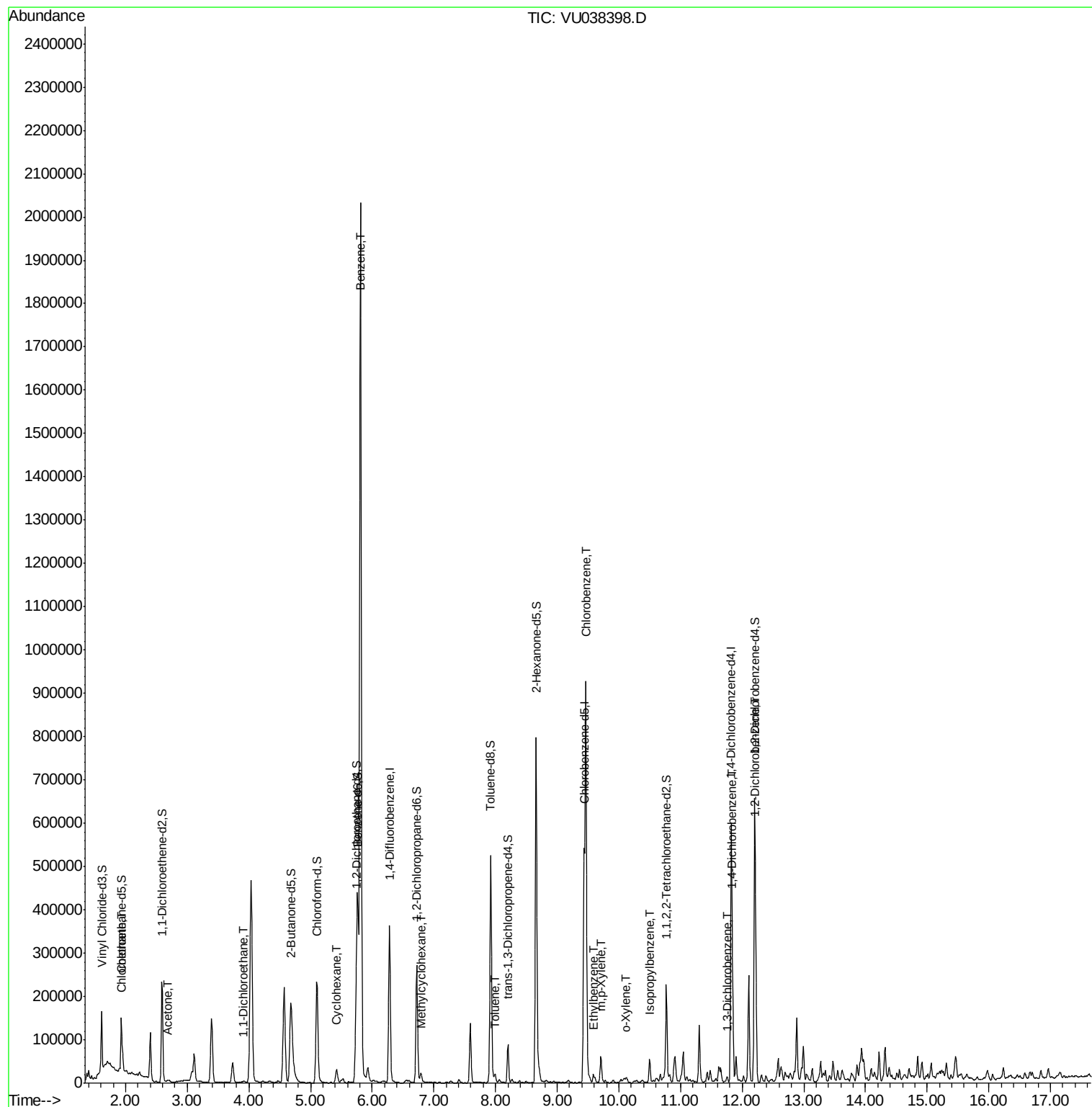
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

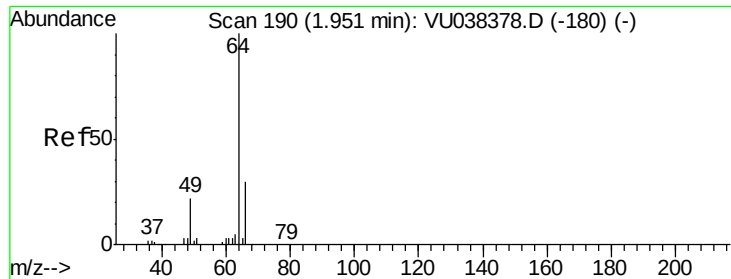
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
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Response via : Initial Calibration





#8

Chloroethane

Concen: 1.13 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU038398.D

Acq: 29 May 2020 23:52

Instrument :

MSVOA_U

ClientSampleId :

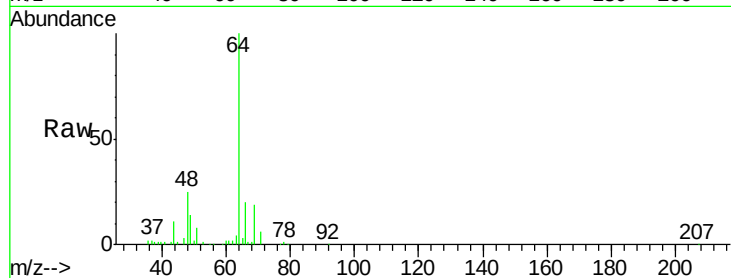
BE4Y9

Tgt Ion: 64 Resp: 22566

Ion Ratio Lower Upper

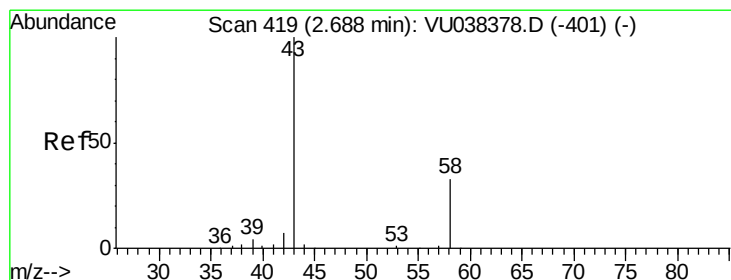
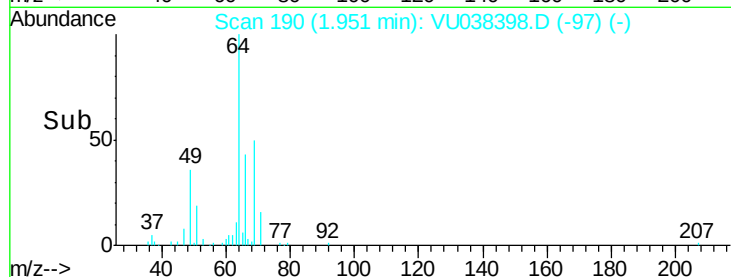
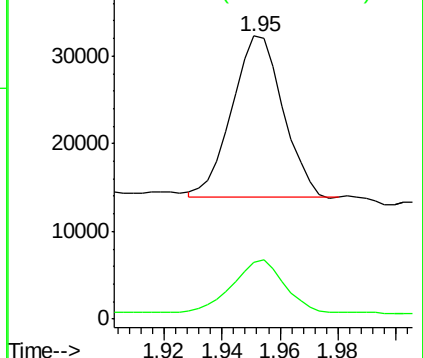
64 100

66 19.9 21.8 40.4#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#13

Acetone

Concen: 2.98 ug/L

RT: 2.69 min Scan# 419

Delta R.T. -0.00 min

Lab File: VU038398.D

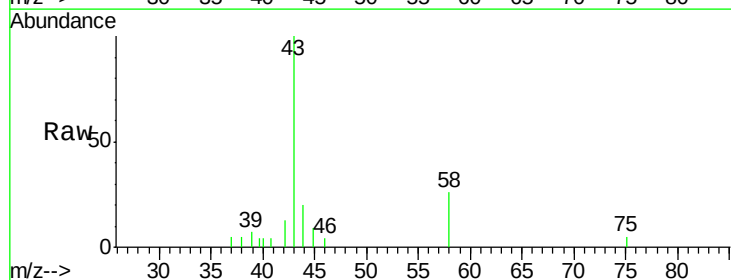
Acq: 29 May 2020 23:52

Tgt Ion: 43 Resp: 12676

Ion Ratio Lower Upper

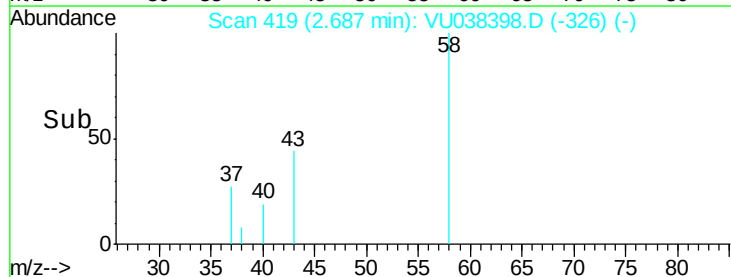
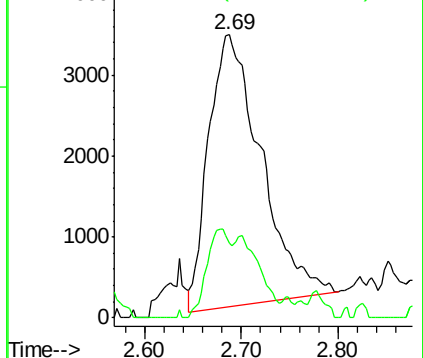
43 100

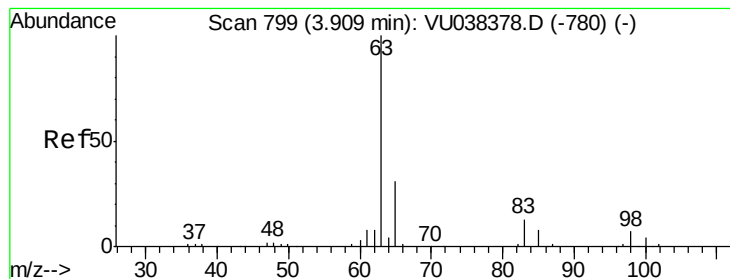
58 15.0 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#19

1,1-Dichloroethane

Concen: 0.08 ug/L

RT: 3.91 min Scan# 798

Delta R.T. -0.00 min

Lab File: VU038398.D

Acq: 29 May 2020 23:52

Instrument :

MSVOA_U

ClientSampleId :

BE4Y9

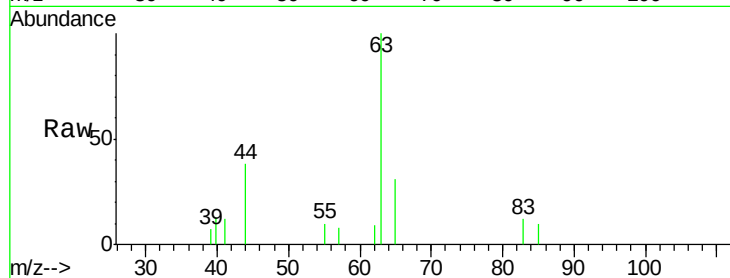
Tgt Ion: 63 Resp: 3691

Ion Ratio Lower Upper

63 100

65 30.9 22.5 41.7

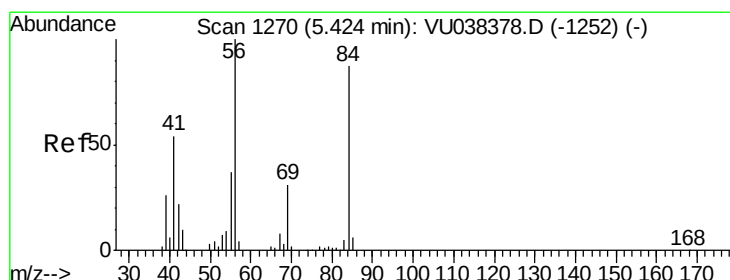
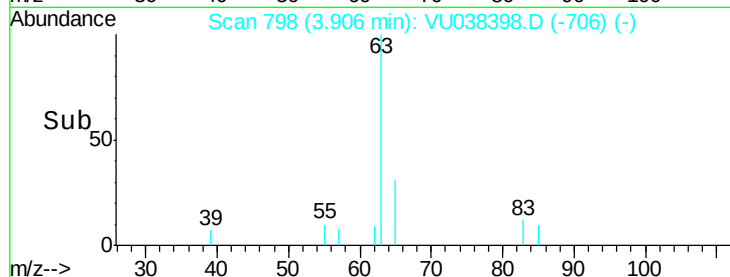
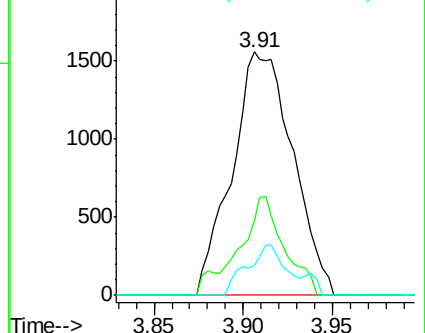
83 12.2 8.9 16.5



Abundance Ion 63.10 (62.80 to 63.80): VU038398.D (-780) (-)

Ion 65.10 (64.80 to 65.80): VU038398.D (-780) (-)

Ion 83.05 (82.75 to 83.75): VU038398.D (-780) (-)



#30

Cyclohexane

Concen: 0.40 ug/L

RT: 5.42 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VU038398.D

Acq: 29 May 2020 23:52

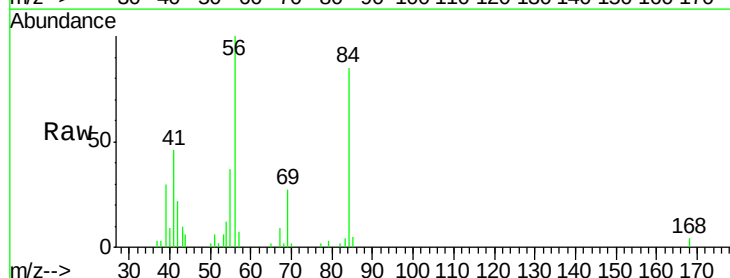
Tgt Ion: 56 Resp: 15842

Ion Ratio Lower Upper

56 100

69 27.4 24.2 36.4

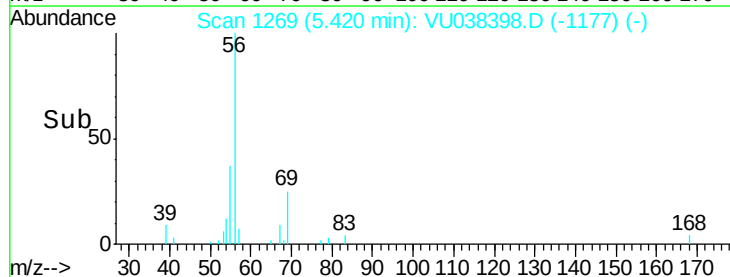
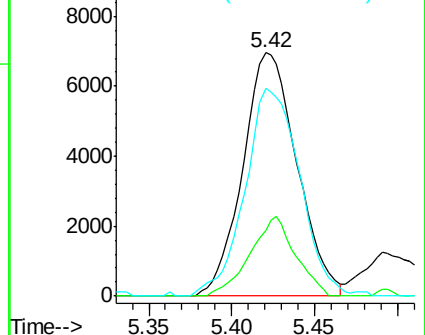
84 86.1 68.5 102.7

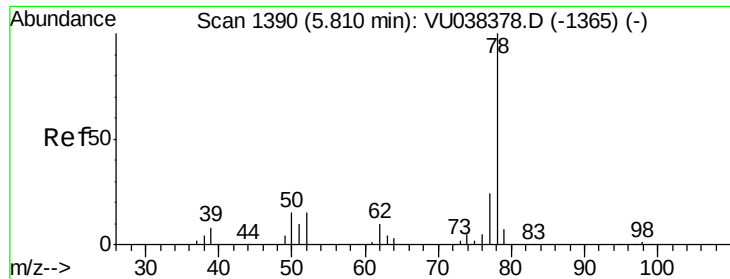


Abundance Ion 56.10 (55.80 to 56.80): VU038398.D (-1252) (-)

Ion 69.15 (68.85 to 69.85): VU038398.D (-1252) (-)

Ion 84.15 (83.85 to 84.85): VU038398.D (-1252) (-)





#33

Benzene

Concen: 20.42 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU038398.D

Acq: 29 May 2020 23:52

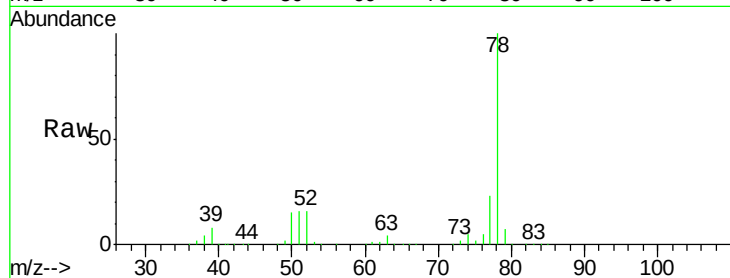
Instrument :

MSVOA_U

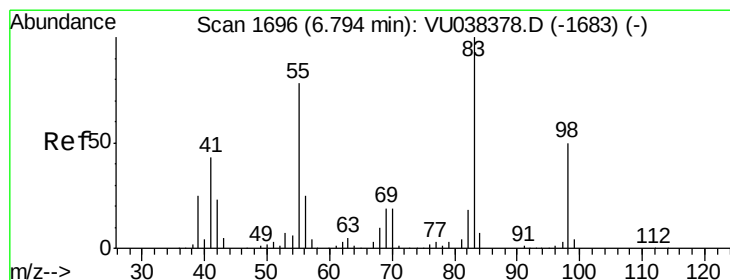
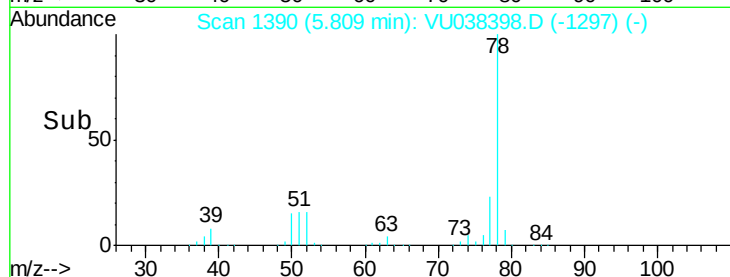
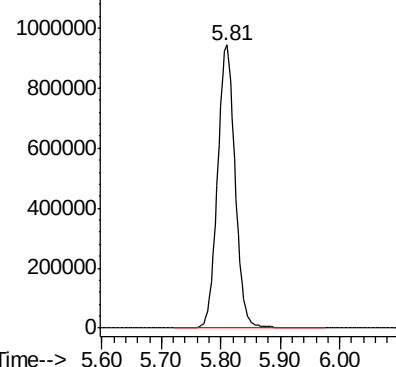
ClientSampleId :

BE4Y9

Tgt Ion: 78 Resp: 1926163



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.23 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. -0.00 min

Lab File: VU038398.D

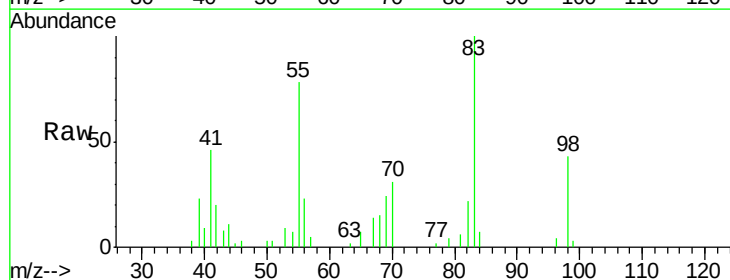
Acq: 29 May 2020 23:52

Tgt Ion: 83 Resp: 8662

Ion	Ratio	Lower	Upper
83	100		

55	99.9	66.7	100.1
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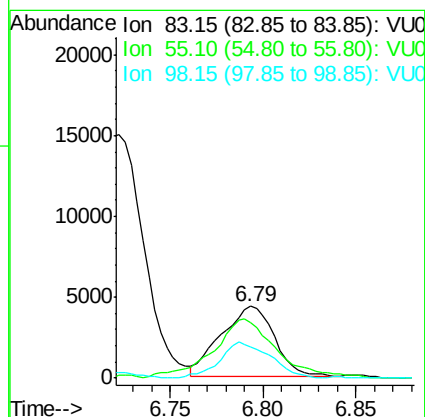
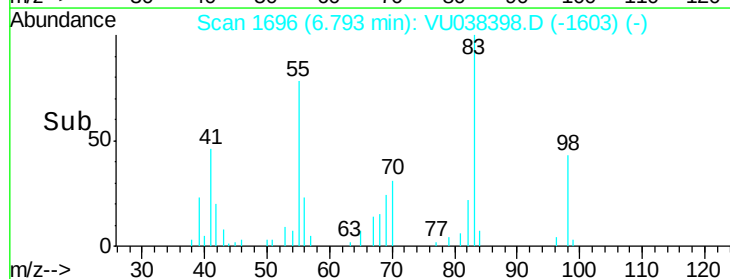
98	48.3	39.4	59.2
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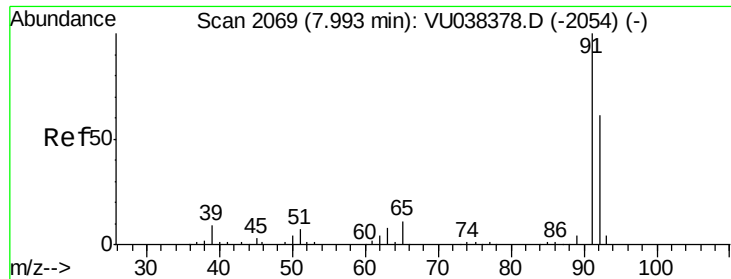


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#42

Toluene

Concen: 0.13 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038398.D

Acq: 29 May 2020 23:52

Instrument :

MSVOA_U

ClientSampleId :

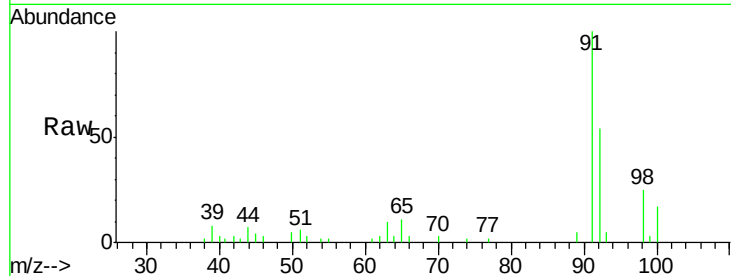
BE4Y9

Tgt Ion: 91 Resp: 12786

Ion Ratio Lower Upper

91 100

92 53.7 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

8000

6000

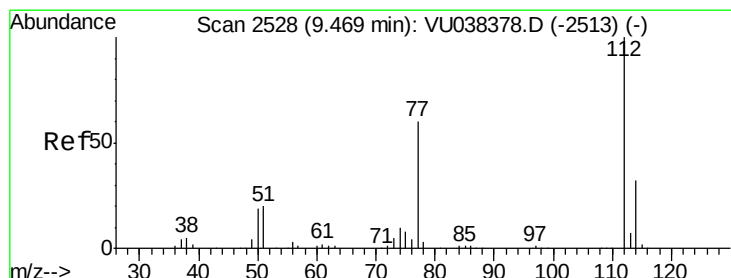
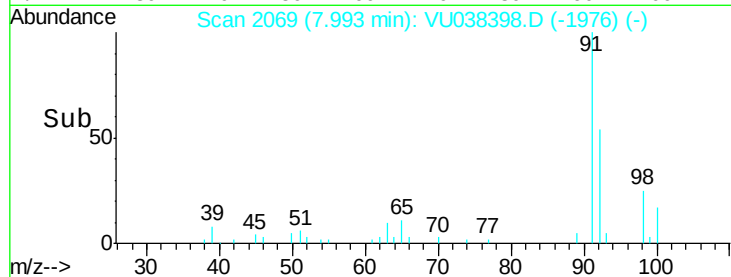
4000

2000

0

7.95 8.00 8.05

Time-->



#51

Chlorobenzene

Concen: 7.89 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU038398.D

Acq: 29 May 2020 23:52

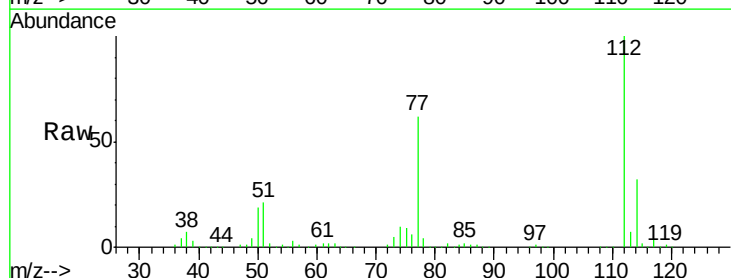
Tgt Ion: 112 Resp: 487361

Ion Ratio Lower Upper

112 100

114 32.2 22.5 41.7

77 61.5 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

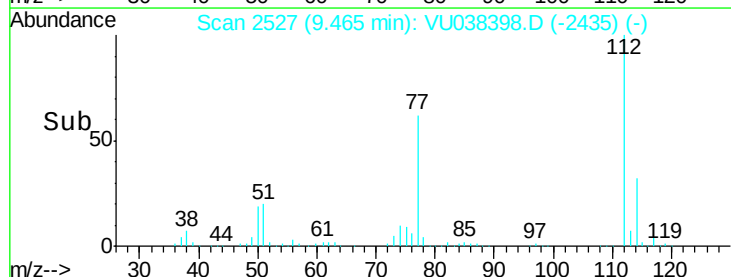
200000

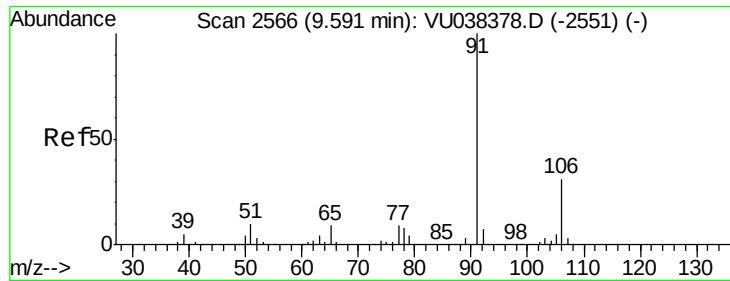
100000

0

9.40 9.50 9.60

Time-->





#52

Ethylbenzene

Concen: 0.11 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VU038398.D

Acq: 29 May 2020 23:52

Instrument :

MSVOA_U

ClientSampleId :

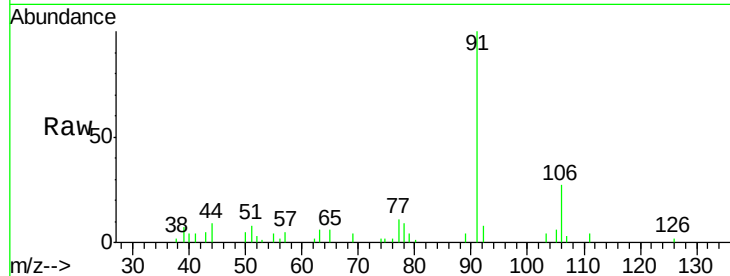
BE4Y9

Tgt Ion: 91 Resp: 12038

Ion Ratio Lower Upper

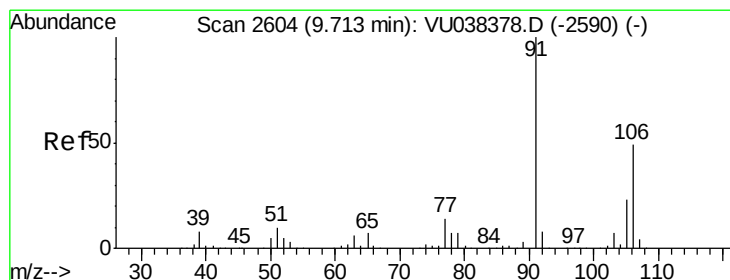
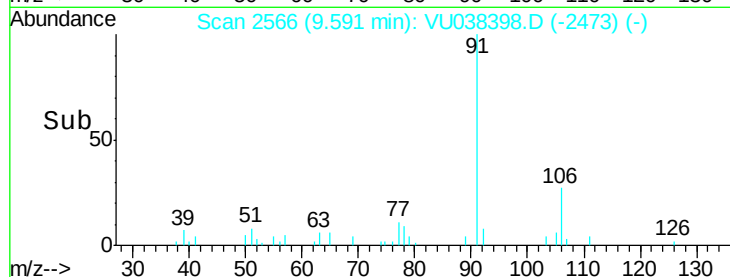
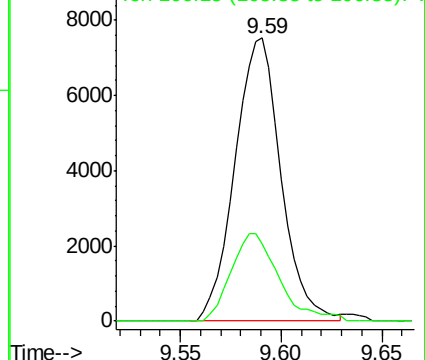
91 100

106 27.3 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: 0.36 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038398.D

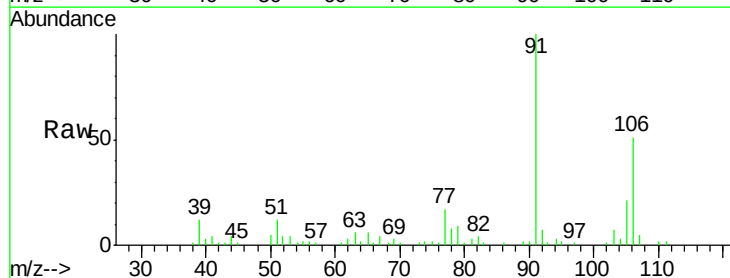
Acq: 29 May 2020 23:52

Tgt Ion: 106 Resp: 14741

Ion Ratio Lower Upper

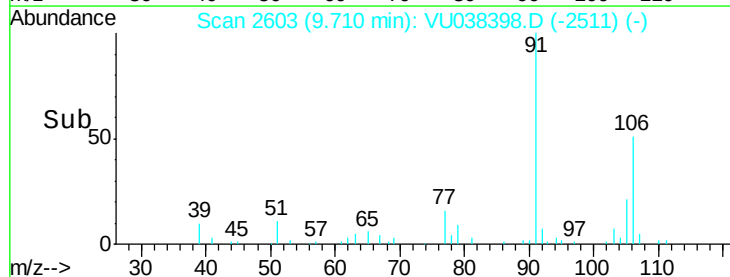
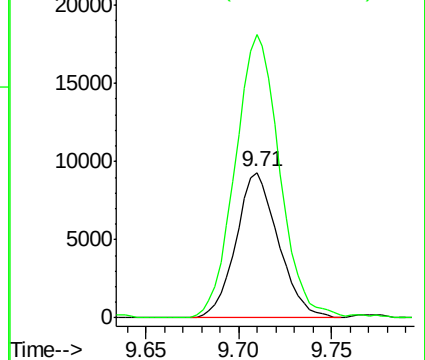
106 100

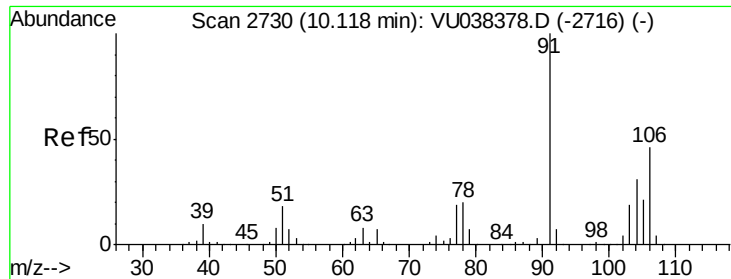
91 195.0 142.1 263.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

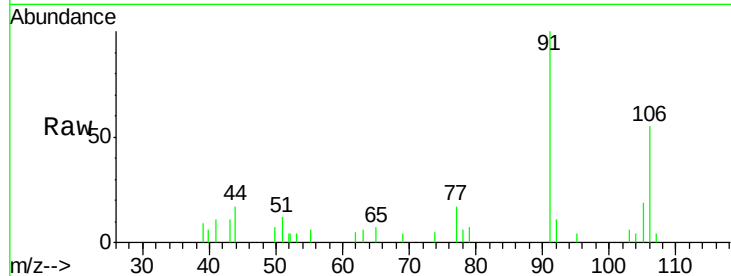




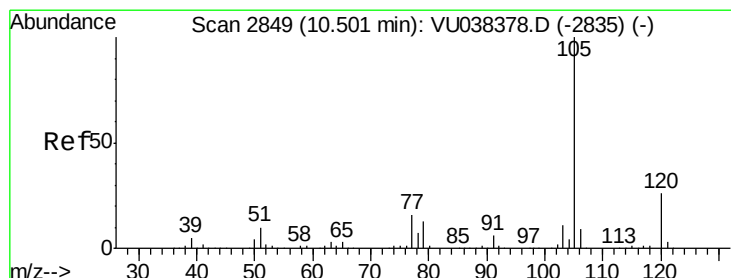
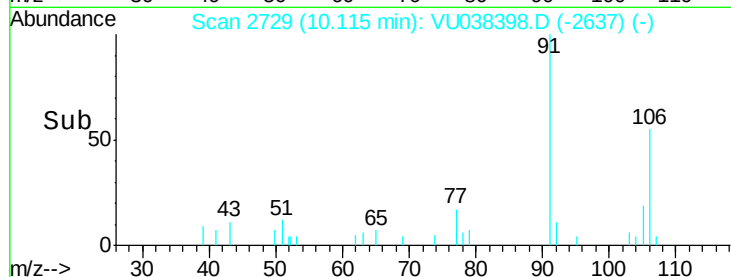
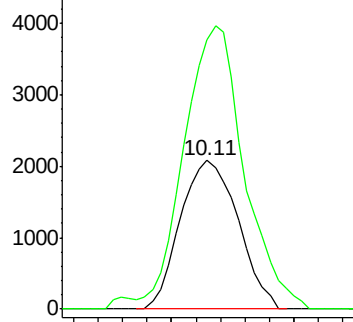
#54
o-Xylene
Concen: 0.09 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU038398.D
Acq: 29 May 2020 23:52

Instrument :
MSVOA_U
ClientSampleId :
BE4Y9

Tgt Ion:106 Resp: 3423
Ion Ratio Lower Upper
106 100
91 181.1 148.5 275.9

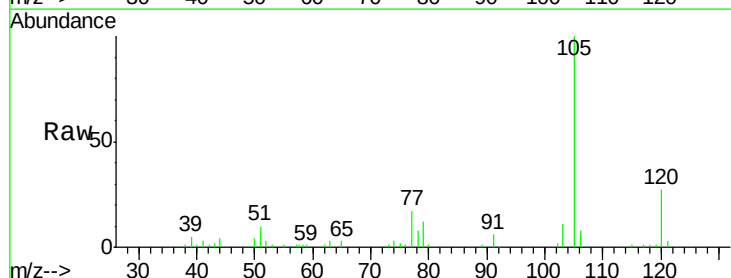


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

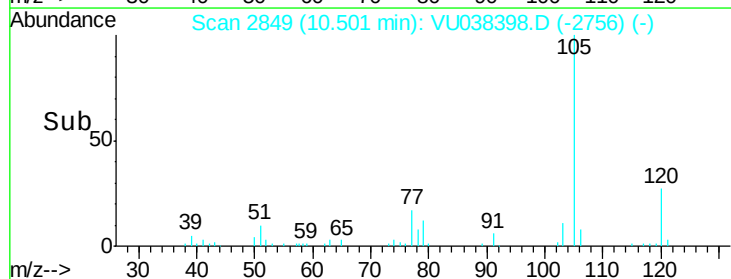
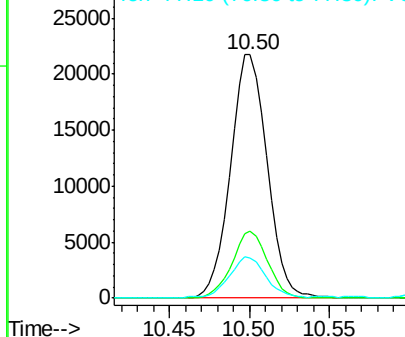


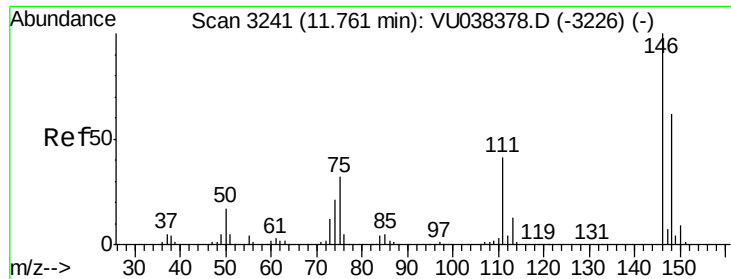
#56
Isopropylbenzene
Concen: 0.33 ug/L
RT: 10.50 min Scan# 2849
Delta R.T. -0.00 min
Lab File: VU038398.D
Acq: 29 May 2020 23:52

Tgt Ion:105 Resp: 33854
Ion Ratio Lower Upper
105 100
120 26.5 21.0 31.6
77 17.1 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: 0.09 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. -0.00 min

Lab File: VU038398.D

Acq: 29 May 2020 23:52

Instrument :

MSVOA_U

ClientSampleId :

BE4Y9

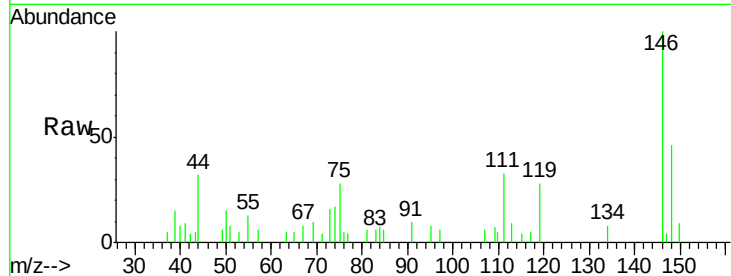
Tgt Ion:146 Resp: 4168

Ion Ratio Lower Upper

146 100

111 33.0 28.6 53.2

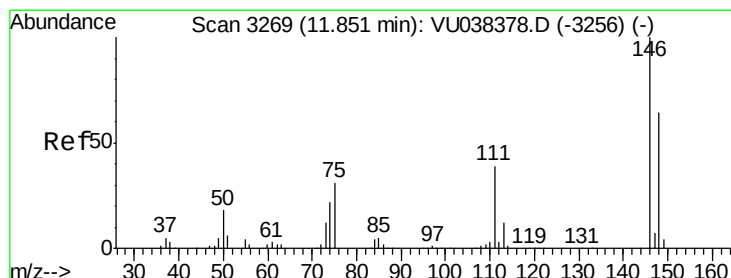
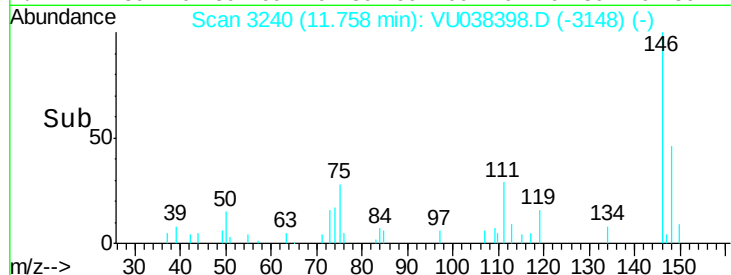
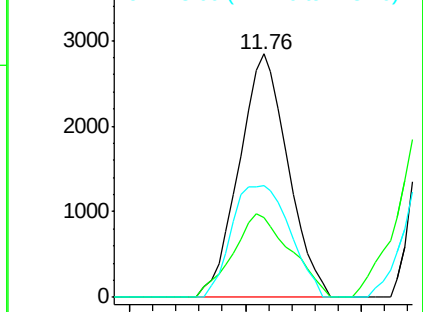
148 46.0 45.2 84.0



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: 1.28 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VU038398.D

Acq: 29 May 2020 23:52

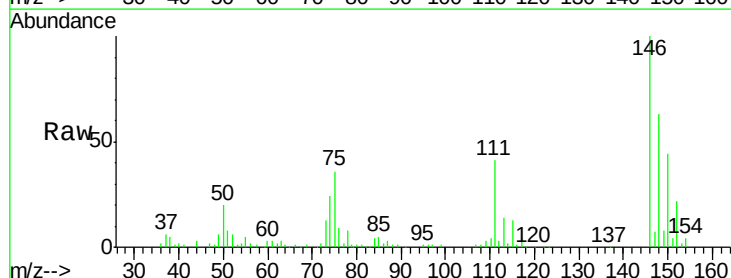
Tgt Ion:146 Resp: 62555

Ion Ratio Lower Upper

146 100

111 41.3 27.2 50.6

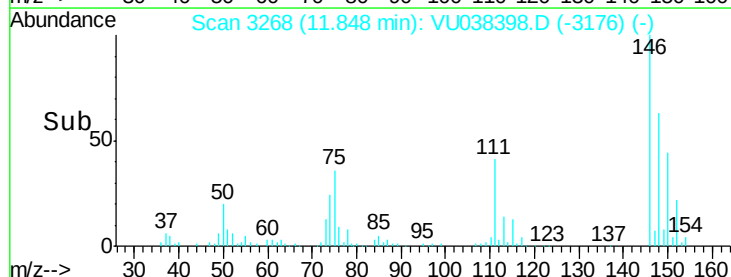
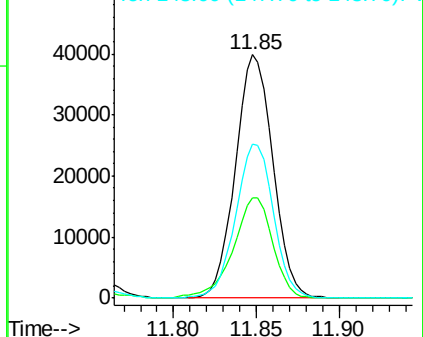
148 63.3 43.8 81.3

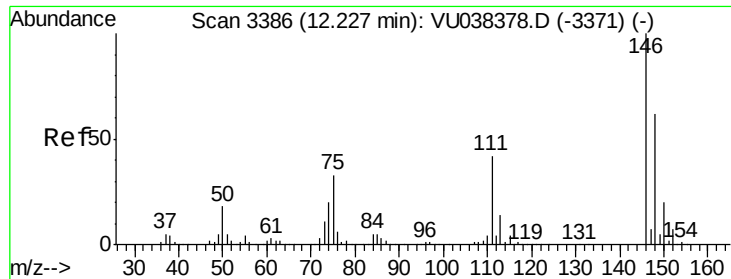


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

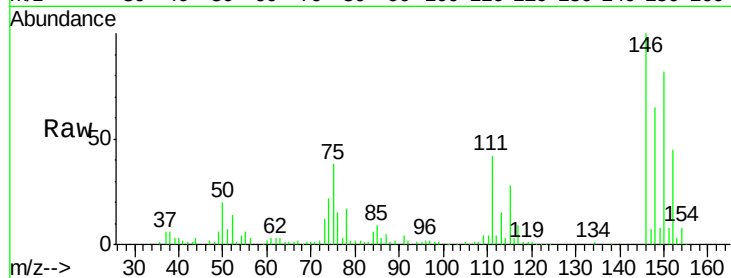




#65
 1,2-Dichlorobenzene
 Concen: 1.39 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU038398.D
 Acq: 29 May 2020 23:52

Instrument :
 MSVOA_U
 ClientSampleId :
 BE4Y9

Tgt Ion:146 Resp: 64581
 Ion Ratio Lower Upper
 146 100
 111 41.9 35.3 52.9
 148 65.3 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

