

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
 Data File : VU038393.D
 Acq On : 29 May 2020 21:56
 Operator : JC/MD
 Sample : L2766-07DL 20X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BE4Z0DL

Quant Time: May 30 02:02:26 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	300530	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	292943	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	146987	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	92989	3.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.60%
7) Chloroethane-d5	1.93	69	83895	3.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	70.60%
11) 1,1-Dichloroethene-d2	2.59	63	140240	3.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.00%
20) 2-Butanone-d5	4.67	46	347231	51.20	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.40%
24) Chloroform-d	5.10	84	195939	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	5.74	65	117747	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
32) Benzene-d6	5.76	84	407001	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
36) 1,2-Dichloropropane-d6	6.72	67	127985	4.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.40%
41) Toluene-d8	7.92	98	356452	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
43) trans-1,3-Dichloropropene-	8.20	79	48423	4.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.40%
46) 2-Hexanone-d5	8.65	63	281172	52.47	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.94%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	106601	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	141968	4.96	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl chloride	1.62	62	7164	0.22	ug/L	# 1
8) Chloroethane	1.95	64	76194	3.82	ug/L	99
13) Acetone	2.67	43	23370	5.49	ug/L	97
19) 1,1-Dichloroethane	3.91	63	20291	0.46	ug/L	97
22) cis-1,2-Dichloroethene	4.71	96	58378	2.38	ug/L	95
30) Cyclohexane	5.42	56	3294	0.08	ug/L	95
33) Benzene	5.81	78	385748	4.11	ug/L	100
35) Methylcyclohexane	6.79	83	5508	0.14	ug/L	93
42) Toluene	7.99	91	763763	7.71	ug/L	98
47) Tetrachloroethene	8.57	164	3290	0.20	ug/L	89
51) Chlorobenzene	9.47	112	355781	5.79	ug/L	98
52) Ethylbenzene	9.59	91	148607	1.39	ug/L	97
53) m,p-Xylene	9.71	106	272634	6.63	ug/L	100
54) o-Xylene	10.12	106	54612	1.37	ug/L	96
56) Isopropylbenzene	10.50	105	47736	0.47	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	12562	0.26	ug/L	95
65) 1,2-Dichlorobenzene	12.22	146	9470	0.21	ug/L	96

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Response via : Initial Calibration

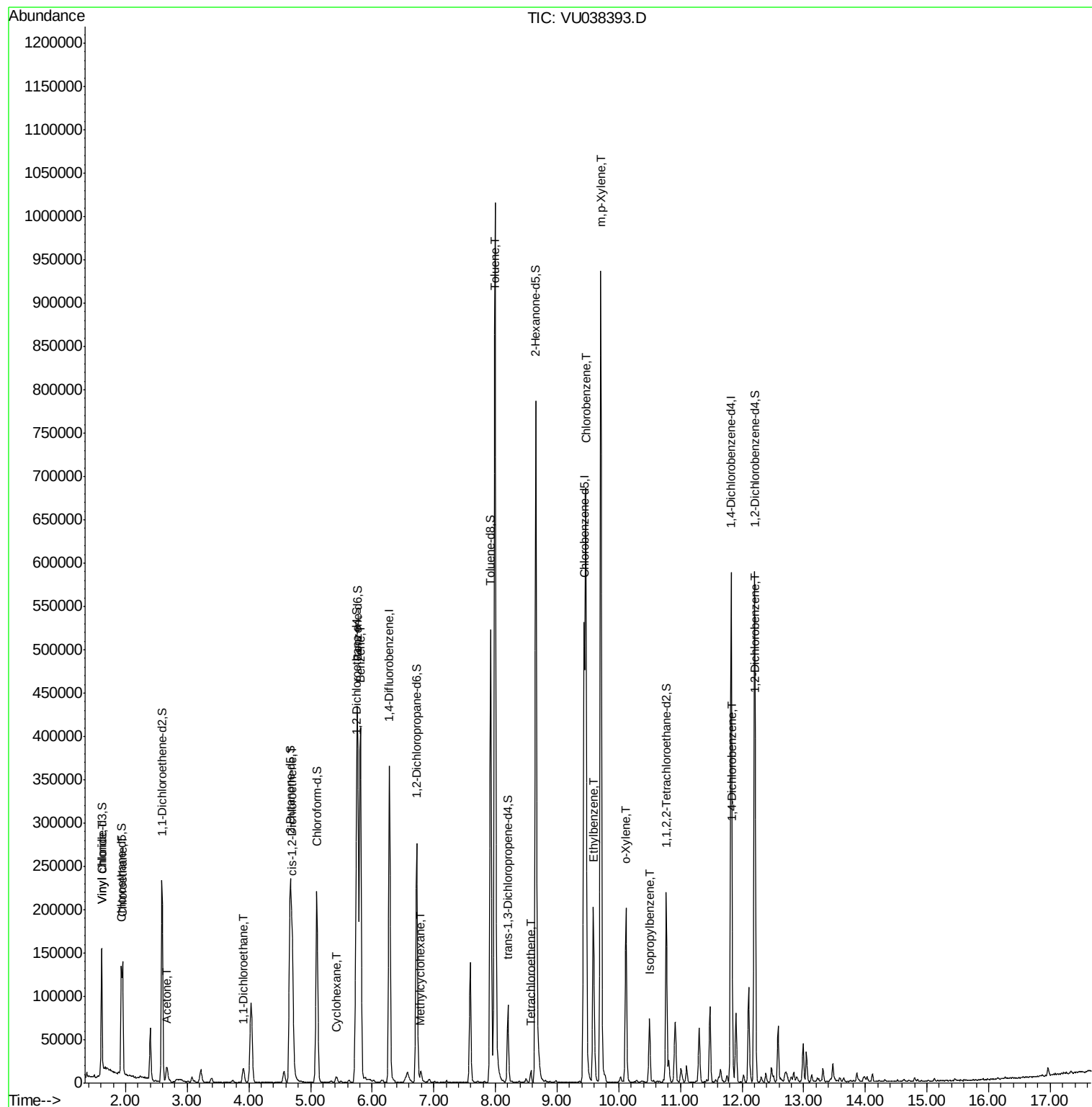
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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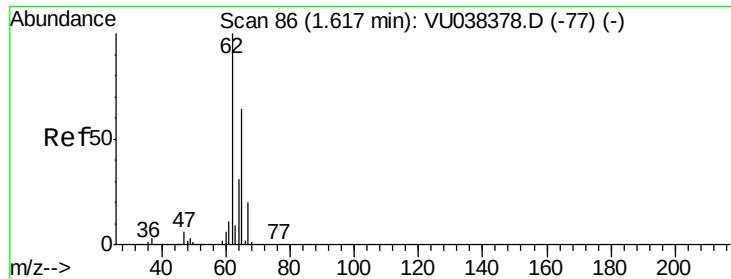
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.22 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038393.D

Acq: 29 May 2020 21:56

Instrument :

MSVOA_U

ClientSampleId :

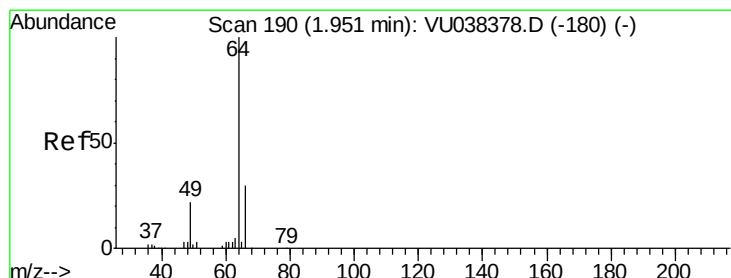
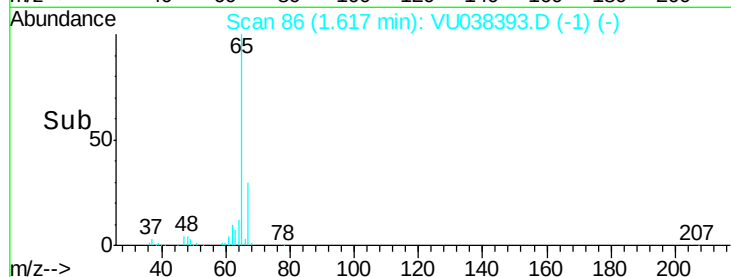
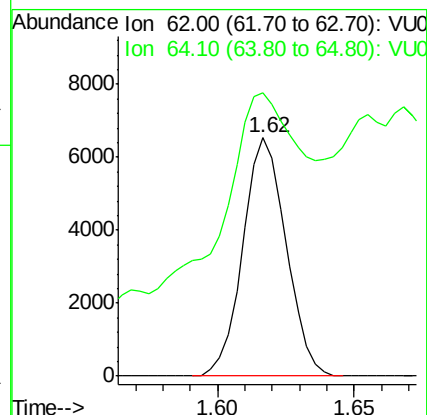
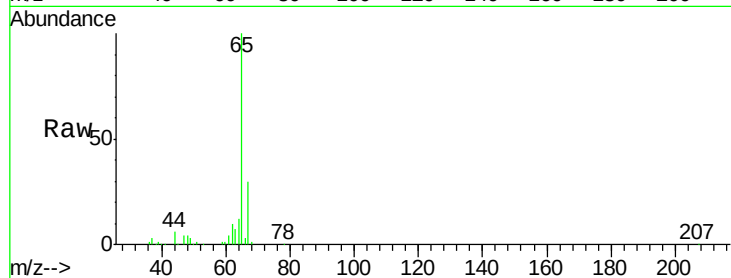
BE4Z0DL

Tgt Ion: 62 Resp: 7164

Ion Ratio Lower Upper

62 100

64 118.7 22.8 42.4#



#8

Chloroethane

Concen: 3.82 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU038393.D

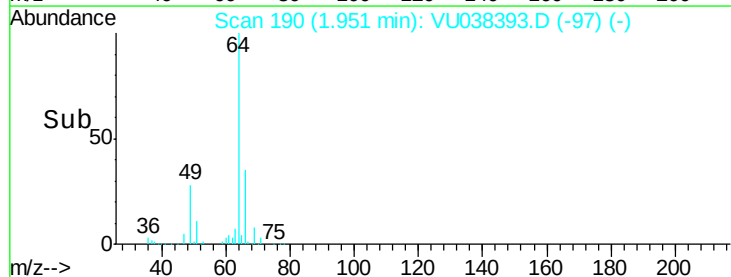
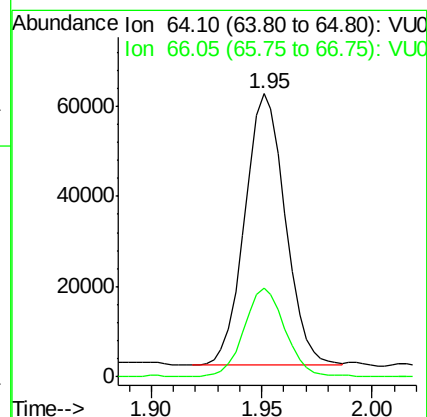
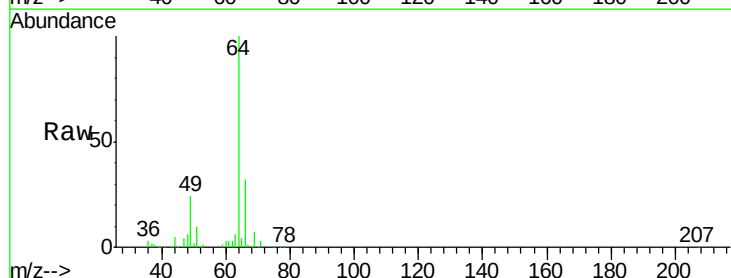
Acq: 29 May 2020 21:56

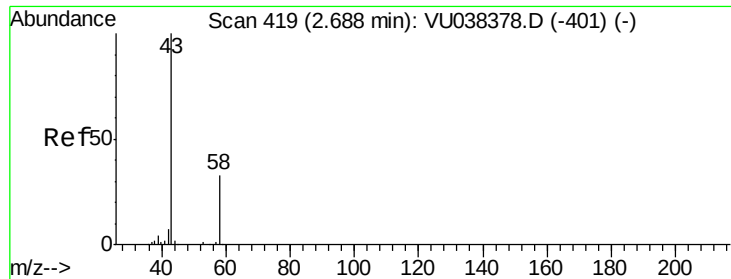
Tgt Ion: 64 Resp: 76194

Ion Ratio Lower Upper

64 100

66 31.6 21.8 40.4





#13

Acetone

Concen: 5.49 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.02 min

Lab File: VU038393.D

Acq: 29 May 2020 21:56

Instrument :

MSVOA_U

ClientSampleId :

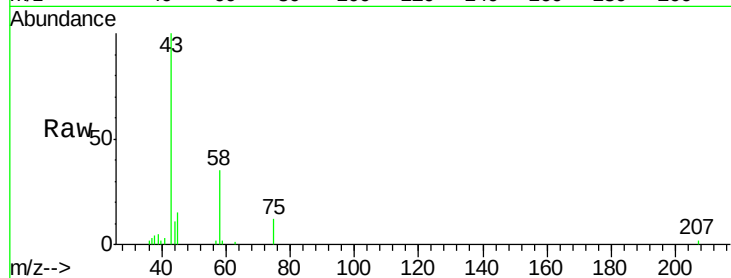
BE4Z0DL

Tgt Ion: 43 Resp: 23370

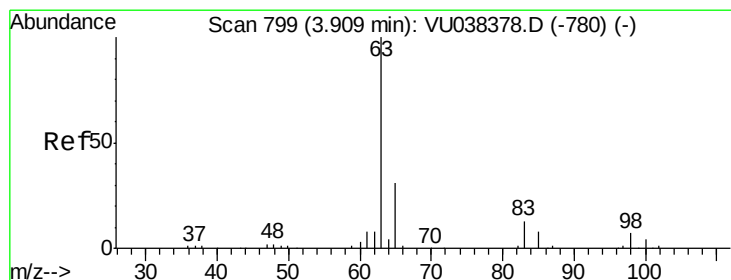
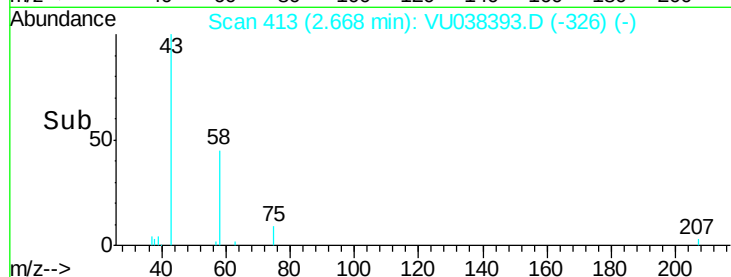
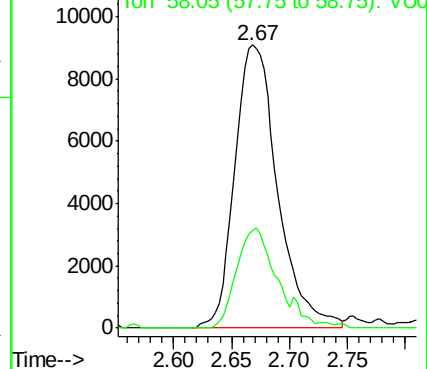
Ion Ratio Lower Upper

43 100

58 30.1 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU038393.D (-326) (-)



#19

1,1-Dichloroethane

Concen: 0.46 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU038393.D

Acq: 29 May 2020 21:56

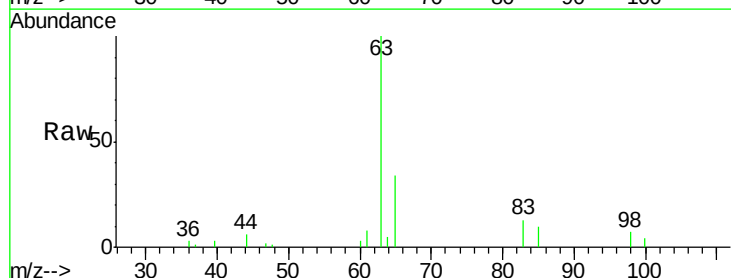
Tgt Ion: 63 Resp: 20291

Ion Ratio Lower Upper

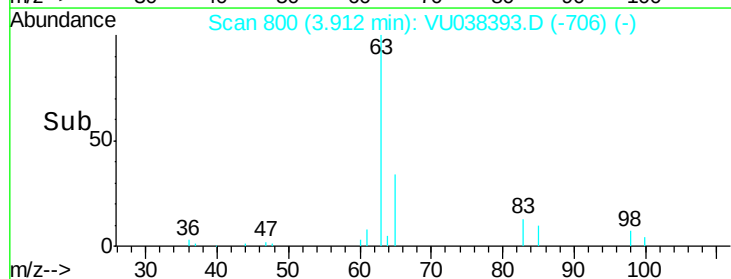
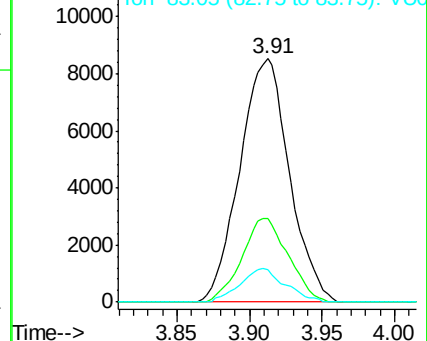
63 100

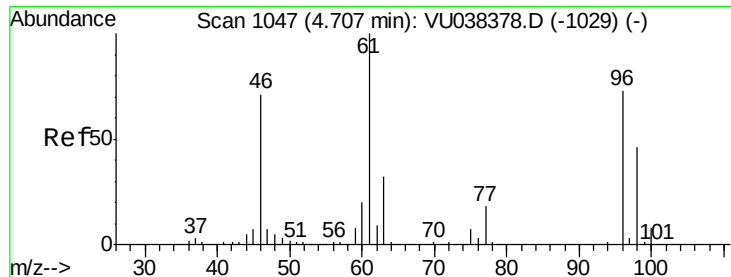
65 34.1 22.5 41.7

83 13.3 8.9 16.5



Abundance Ion 63.10 (62.80 to 63.80): VU038393.D (-706) (-)

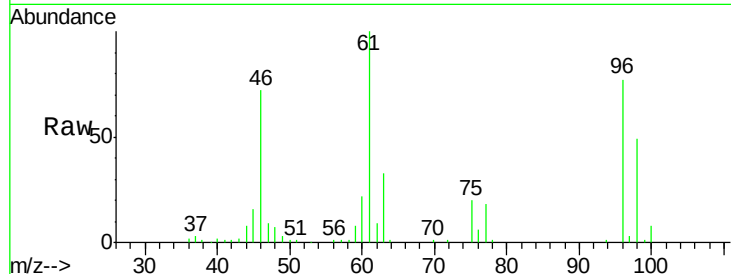




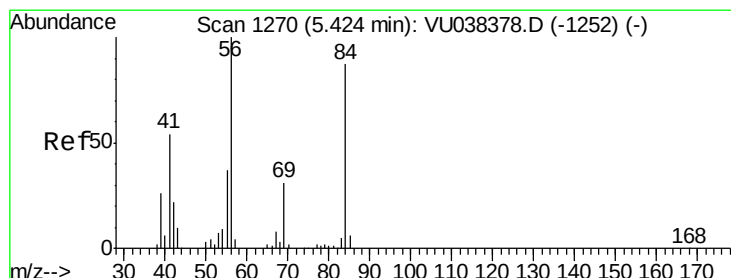
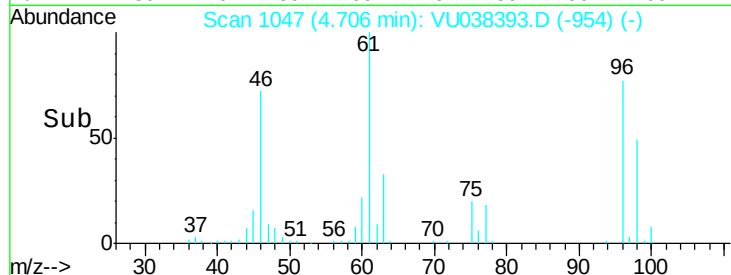
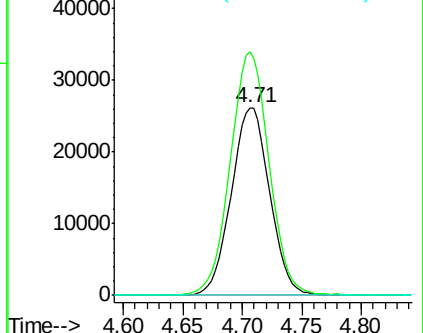
#22
 cis-1,2-Dichloroethene
 Concen: 2.38 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU038393.D
 Acq: 29 May 2020 21:56

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 MSVOA_U
 ClientSampleId :
 BE4Z0DL

Tgt Ion: 96 Resp: 58378
 Ion Ratio Lower Upper
 96 100
 61 129.6 95.3 176.9
 68 0.0 0.0 0.0

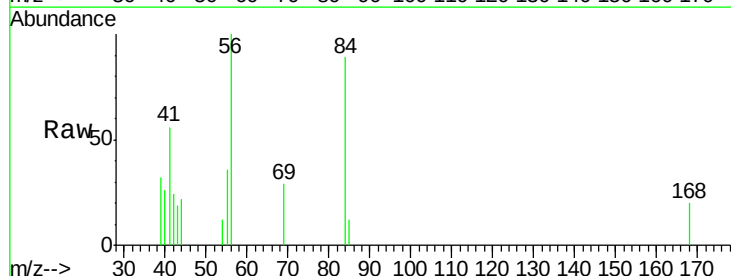


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

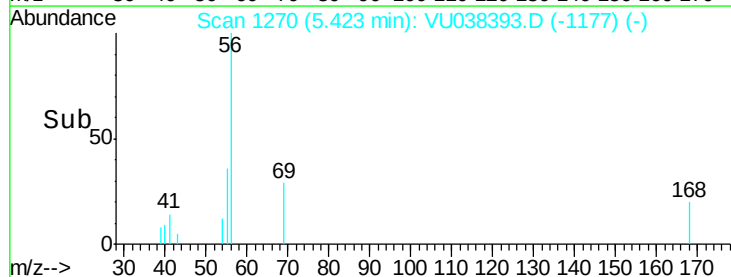
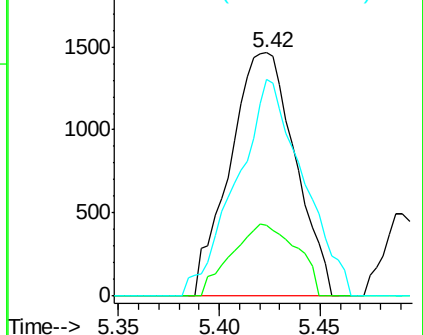


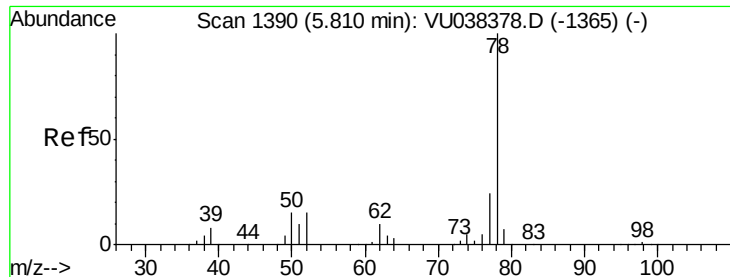
#30
 Cyclohexane
 Concen: 0.08 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU038393.D
 Acq: 29 May 2020 21:56

Tgt Ion: 56 Resp: 3294
 Ion Ratio Lower Upper
 56 100
 69 29.3 24.2 36.4
 84 90.8 68.5 102.7



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#33

Benzene

Concen: 4.11 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU038393.D

Acq: 29 May 2020 21:56

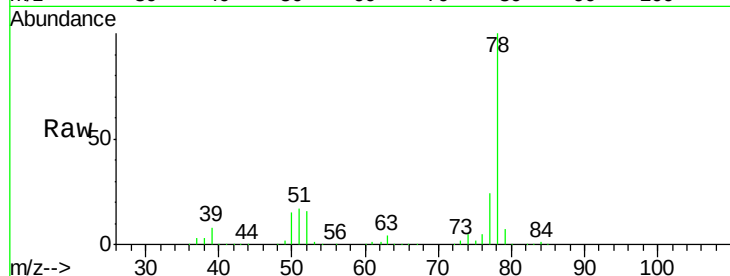
Instrument :

MSVOA_U

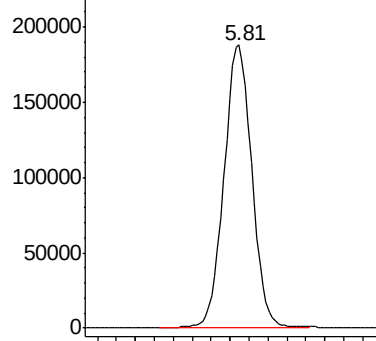
ClientSampleId :

BE4Z0DL

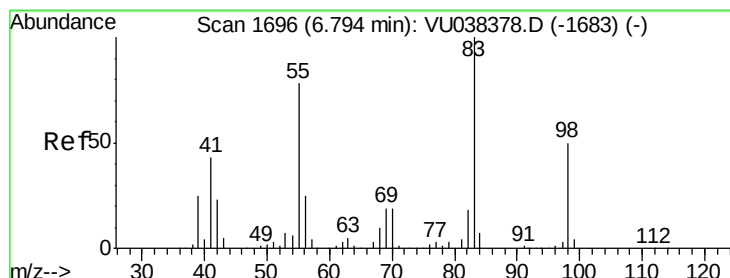
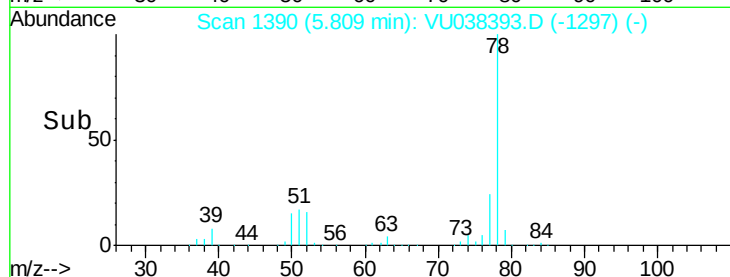
Tgt Ion: 78 Resp: 385748



Abundance Ion 78.10 (77.80 to 78.80): VU0



Time-->



#35

Methylcyclohexane

Concen: 0.14 ug/L

RT: 6.79 min Scan# 1695

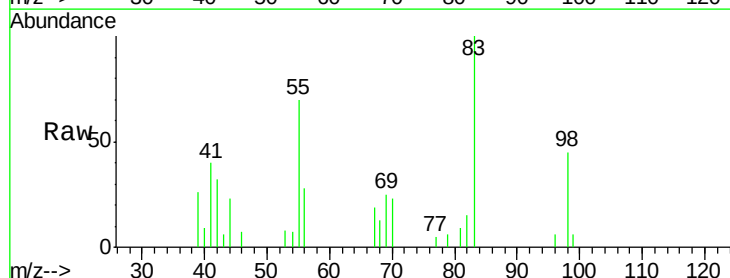
Delta R.T. -0.00 min

Lab File: VU038393.D

Acq: 29 May 2020 21:56

Tgt Ion: 83 Resp: 5508

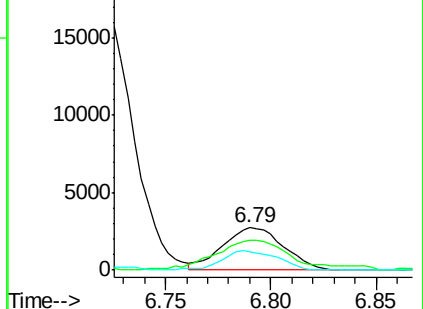
Ion	Ratio	Lower	Upper
83	100		
55	87.1	66.7	100.1
98	42.0	39.4	59.2



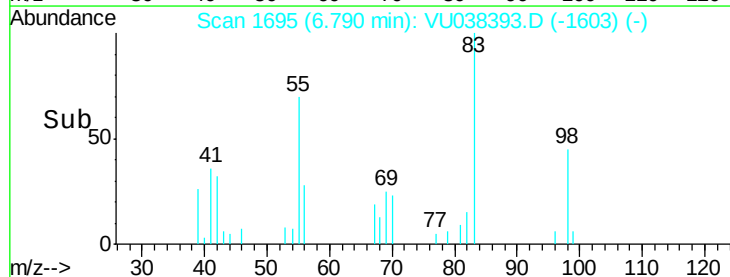
Abundance Ion 83.15 (82.85 to 83.85): VU0

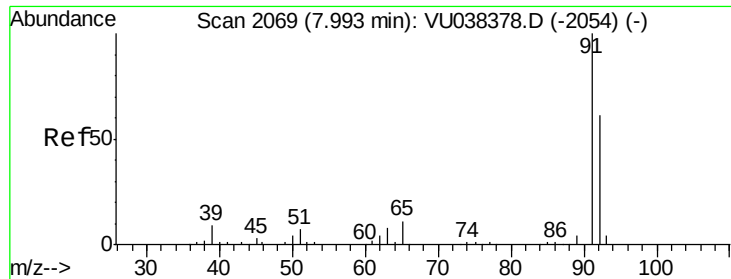
Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0



Time-->





#42

Toluene

Concen: 7.71 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038393.D

Acq: 29 May 2020 21:56

Instrument :

MSVOA_U

ClientSampleId :

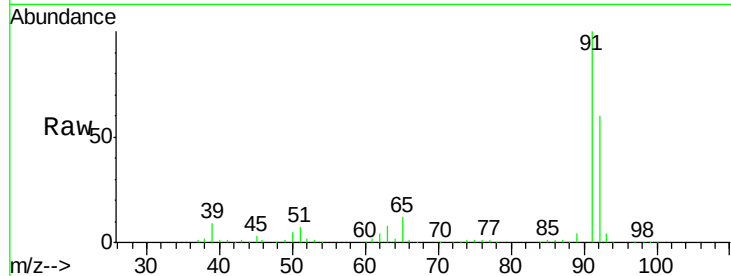
BE4Z0DL

Tgt Ion: 91 Resp: 763763

Ion Ratio Lower Upper

91 100

92 60.1 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.99

400000

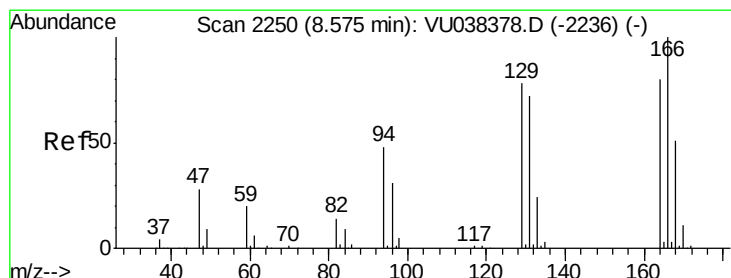
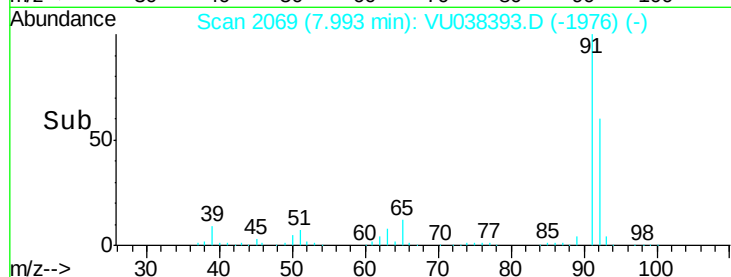
300000

200000

100000

0

Time-->



#47

Tetrachloroethene

Concen: 0.20 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU038393.D

Acq: 29 May 2020 21:56

Tgt Ion: 164 Resp: 3290

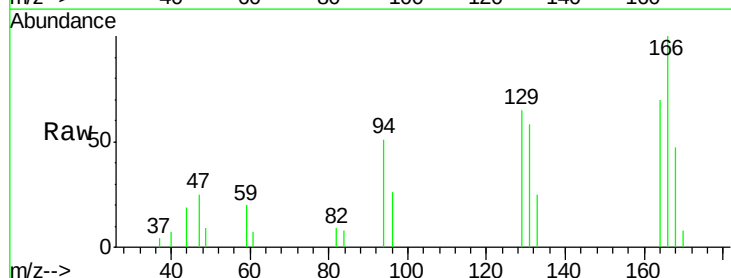
Ion Ratio Lower Upper

164 100

129 92.2 68.8 127.8

131 82.1 66.8 124.2

166 142.5 88.9 165.1



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

4000

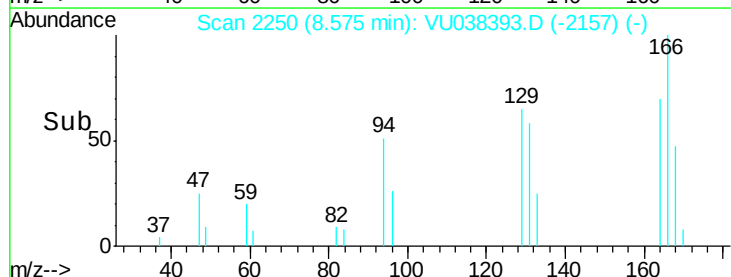
3000

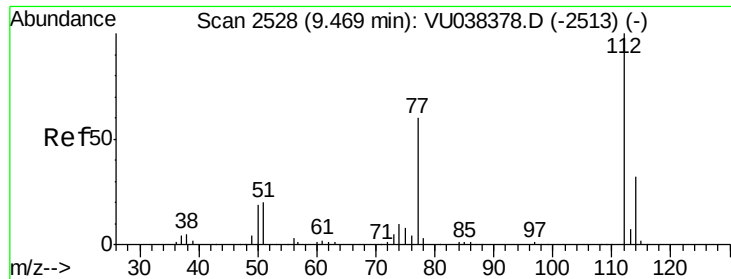
2000

1000

0

Time-->





#51

Chlorobenzene

Concen: 5.79 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU038393.D

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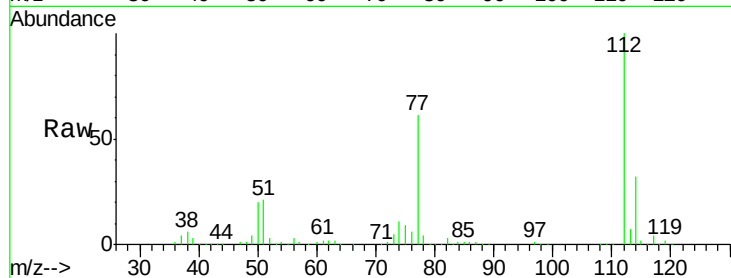
Tgt Ion: 112 Resp: 355781

Ion Ratio Lower Upper

112 100

114 32.2 22.5 41.7

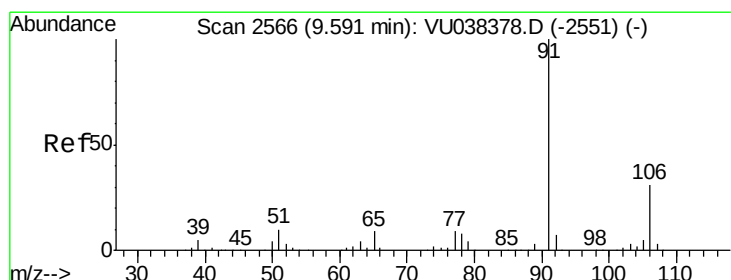
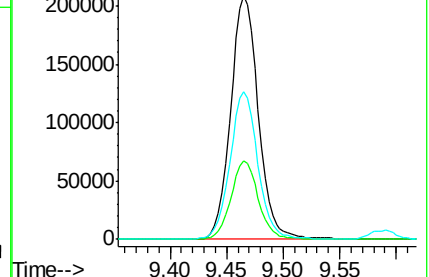
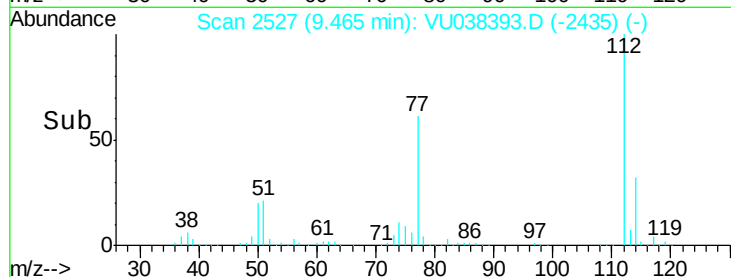
77 60.5 49.9 74.9



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: 1.39 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038393.D

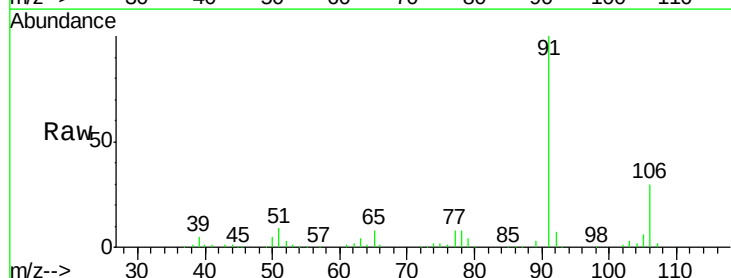
Acq: 29 May 2020 21:56

Tgt Ion: 91 Resp: 148607

Ion Ratio Lower Upper

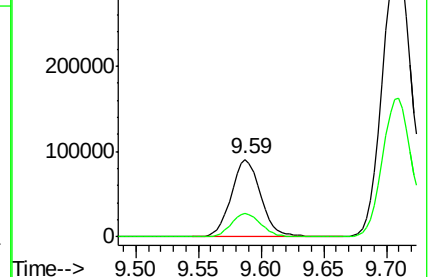
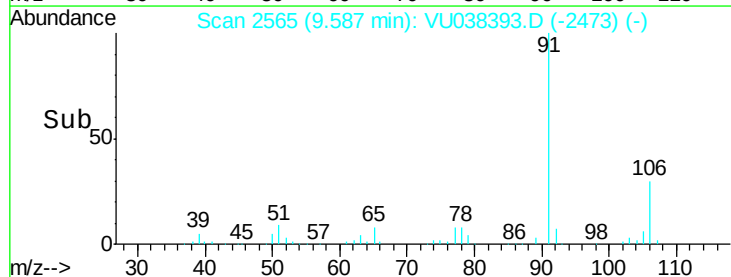
91 100

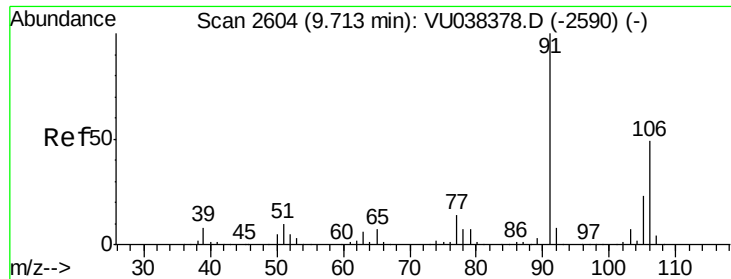
106 29.6 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): V

Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 6.63 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038393.D

Acq: 29 May 2020 21:56

Instrument :

MSVOA_U

ClientSampleId :

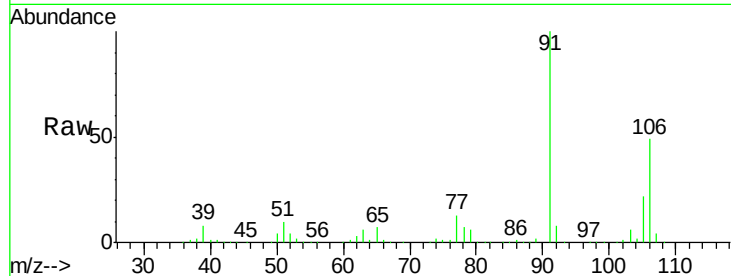
BE4Z0DL

Tgt Ion:106 Resp: 272634

Ion Ratio Lower Upper

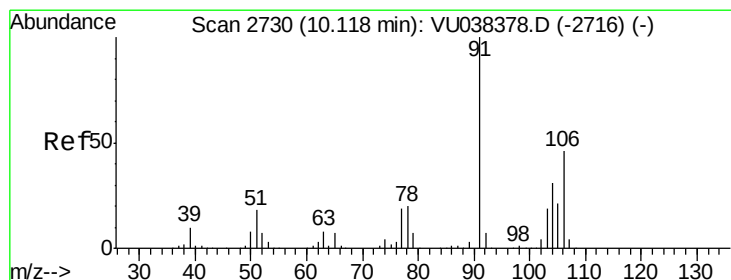
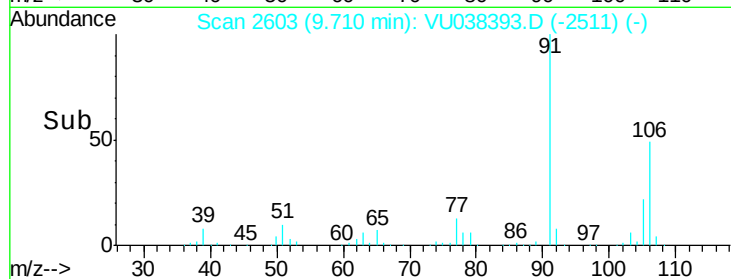
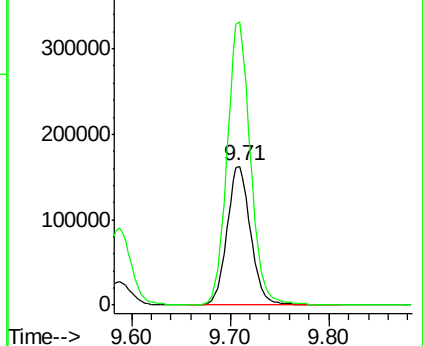
106 100

91 203.1 142.1 263.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 1.37 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VU038393.D

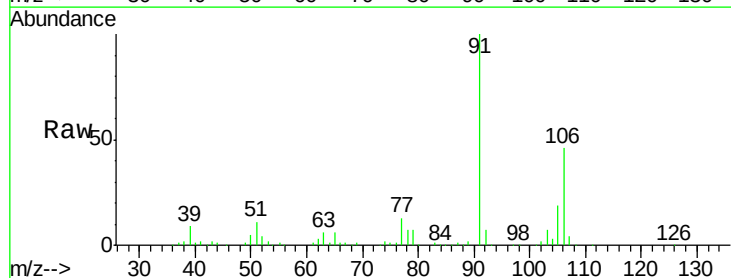
Acq: 29 May 2020 21:56

Tgt Ion:106 Resp: 54612

Ion Ratio Lower Upper

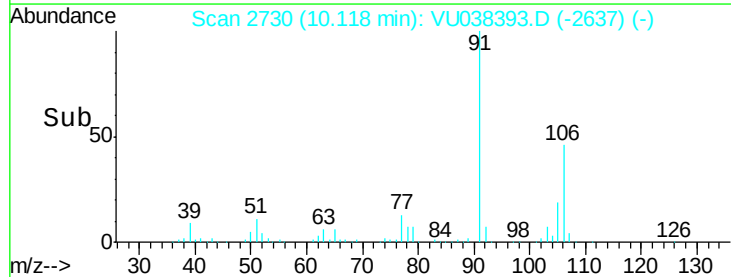
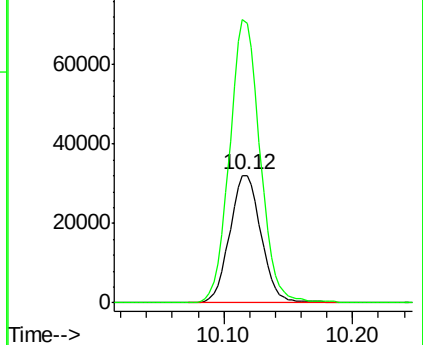
106 100

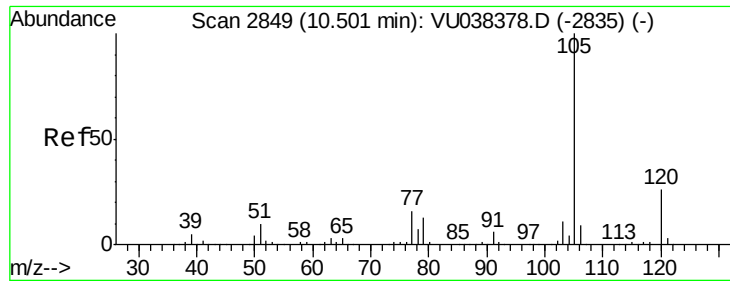
91 218.8 148.5 275.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#56

Isopropylbenzene

Concen: 0.47 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU038393.D

Acq: 29 May 2020 21:56

Instrument :

MSVOA_U

ClientSampleId :

BE4Z0DL

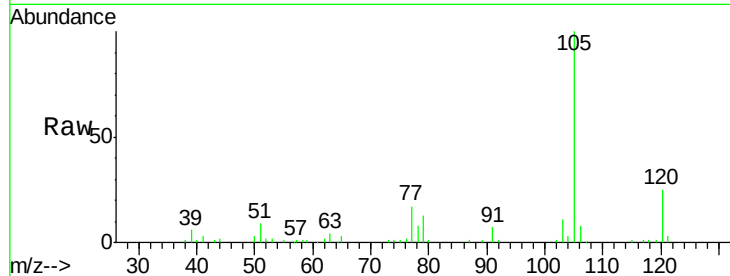
Tgt Ion:105 Resp: 47736

Ion Ratio Lower Upper

105 100

120 26.8 21.0 31.6

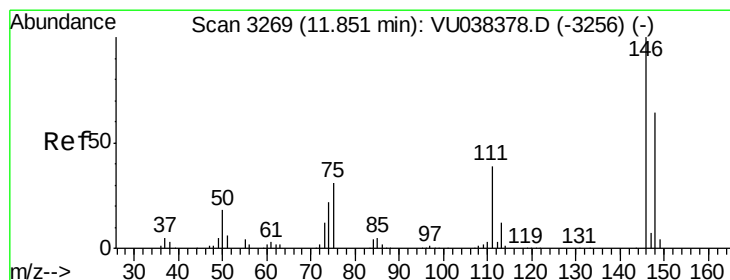
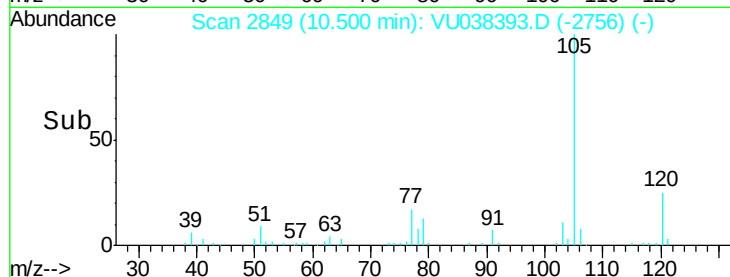
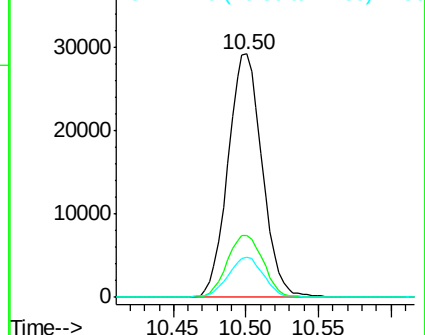
77 17.2 13.0 19.4



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



#63

1,4-Dichlorobenzene

Concen: 0.26 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VU038393.D

Acq: 29 May 2020 21:56

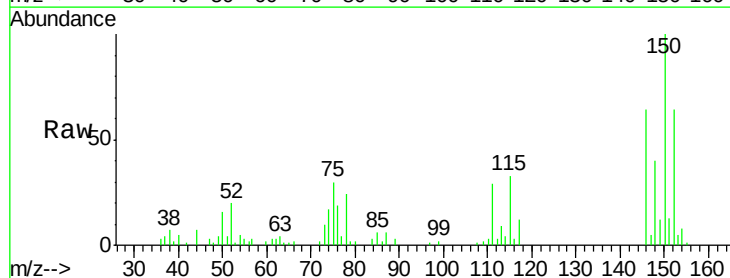
Tgt Ion:146 Resp: 12562

Ion Ratio Lower Upper

146 100

111 45.8 27.2 50.6

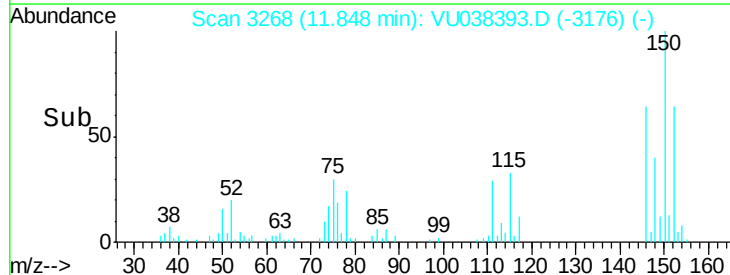
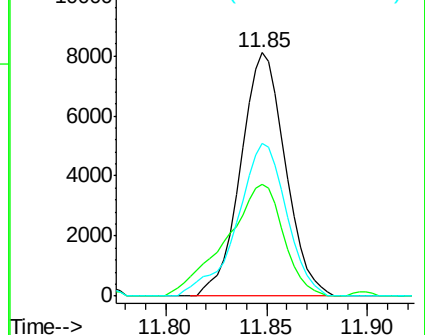
148 62.8 43.8 81.3

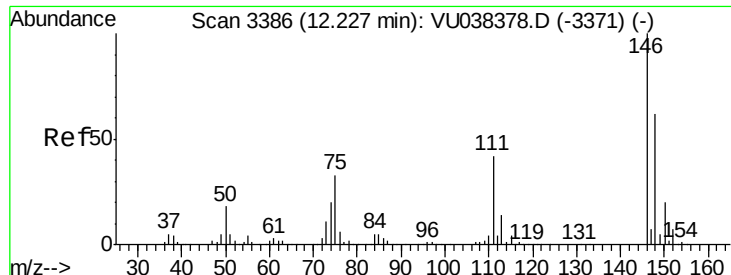


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65
 1,2-Dichlorobenzene
 Concen: 0.21 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU038393.D
 Acq: 29 May 2020 21:56

Instrument :
 MSVOA_U
 ClientSampleId :
 BE4Z0DL

Tgt Ion:146 Resp: 9470
 Ion Ratio Lower Upper
 146 100
 111 49.4 35.3 52.9
 148 62.3 51.0 76.4

