

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092120\
 Data File : VU040232.D
 Acq On : 21 Sep 2020 14:34
 Operator : SY/MD
 Sample : L4046-12DL 100X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0Q0DL

Quant Time: Sep 22 07:15:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 22 07:07:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	128020	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	126160	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	57318	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	30530	4.37	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.40%
7) Chloroethane-d5	1.93	69	28819	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.00%
11) 1,1-Dichloroethene-d2	2.58	63	51746	2.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.60%#
20) 2-Butanone-d5	4.67	46	154564	55.28	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.56%
24) Chloroform-d	5.08	84	75216	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.72	65	48195	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
32) Benzene-d6	5.74	84	134757	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
36) 1,2-Dichloropropane-d6	6.70	67	46026	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.80%
41) Toluene-d8	7.91	98	105988	3.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.60%
43) trans-1,3-Dichloropropene-	8.19	79	19623	4.40	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.00%
46) 2-Hexanone-d5	8.64	63	108374	51.30	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.60%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	45218	5.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	49991	5.39	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.39	43	2517	0.973	ug/L	50
16) Methylene chloride	3.06	84	2168	0.167	ug/L #	73
25) Chloroform	5.11	83	3854	0.172	ug/L	97
27) 1,2-Dichloroethane	5.79	62	2752	0.167	ug/L #	78
33) Benzene	5.79	78	260165	5.764	ug/L	100
35) Methylcyclohexane	6.70	83	11749	0.634	ug/L #	15
37) 1,2-Dichloropropane	6.70	63	6081	0.498	ug/L #	88
42) Toluene	7.97	91	1648	0.035	ug/L	88
44) trans-1,3-Dichloropropene	8.19	75	900	0.054	ug/L #	67
48) 2-Hexanone	8.64	43	15410	2.107	ug/L #	71
51) Chlorobenzene	9.45	112	19746	0.684	ug/L	99
52) Ethylbenzene	9.57	91	31978	0.606	ug/L	99
53) m,p-Xylene	9.69	106	10740	0.571	ug/L	99
54) o-Xylene	10.10	106	3164	0.177	ug/L	81
56) Isopropylbenzene	10.48	105	15475	0.317	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	2268	0.107	ug/L	94
65) 1,2-Dichlorobenzene	12.20	146	1553	0.077	ug/L #	71

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 22 07:07:10 2020
Response via : Initial Calibration

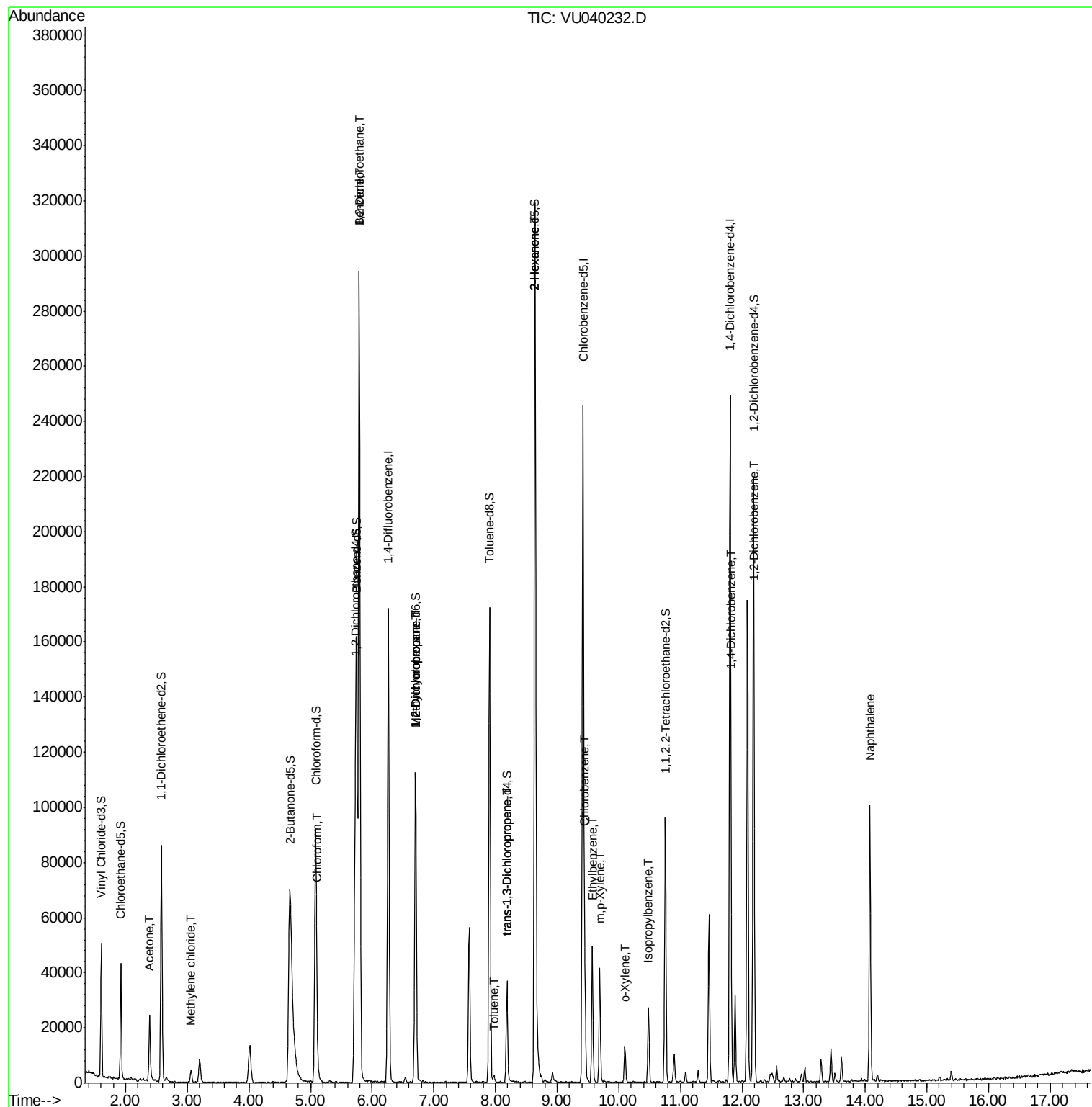
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
69) Naphthalene	14.08	128	74991	2.835	ug/L	99
-----	-----	-----	-----	-----	-----	-----

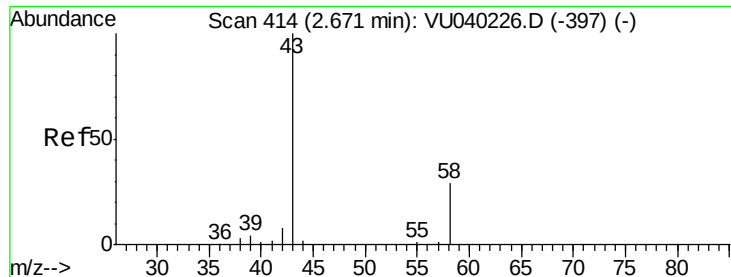
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 0.973 ug/L

RT: 2.39 min Scan# 327

Delta R.T. -0.28 min

Lab File: VU040232.D

Acq: 21 Sep 2020 14:34

Instrument :

MSVOA_U

ClientSampleId :

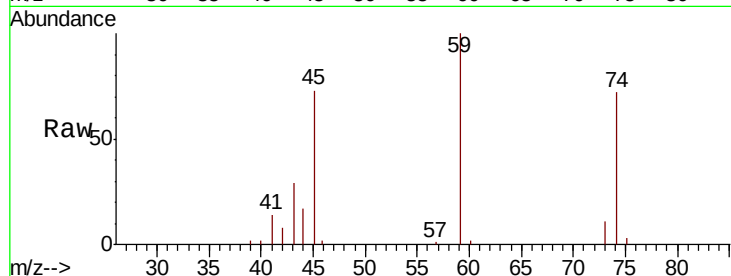
BG0Q0DL

Tot Ion: 43 Resp: 2517

Ion Ratio Lower Upper

43 100

58 1.6 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2500

2000

1500

1000

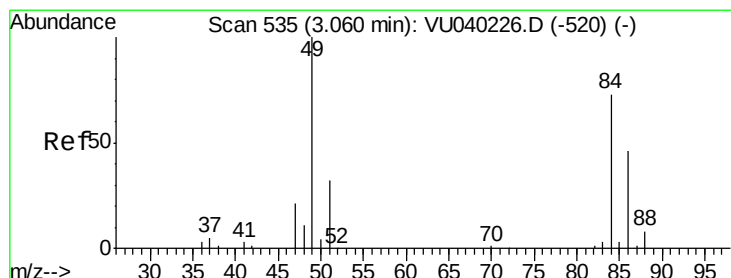
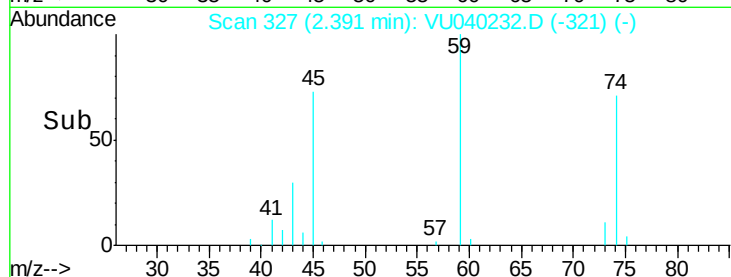
500

0

2.36 2.38 2.40 2.42 2.44

2.39

Time-->



#16

Methylene chloride

Concen: 0.167 ug/L

RT: 3.06 min Scan# 534

Delta R.T. -0.00 min

Lab File: VU040232.D

Acq: 21 Sep 2020 14:34

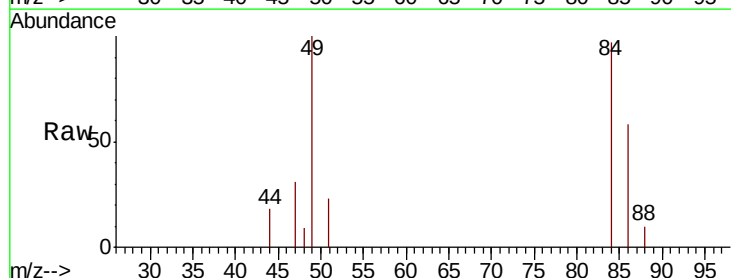
Tgt Ion: 84 Resp: 2168

Ion Ratio Lower Upper

84 100

86 60.2 45.2 84.0

49 103.2 104.0 193.2#



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

1500

1000

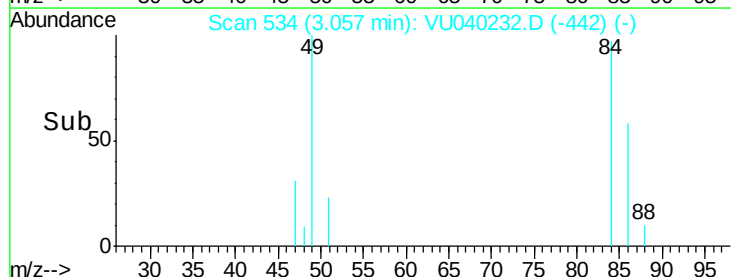
500

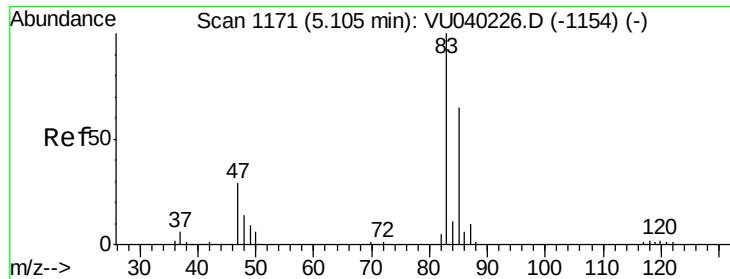
0

3.00 3.05 3.10

3.06

Time-->

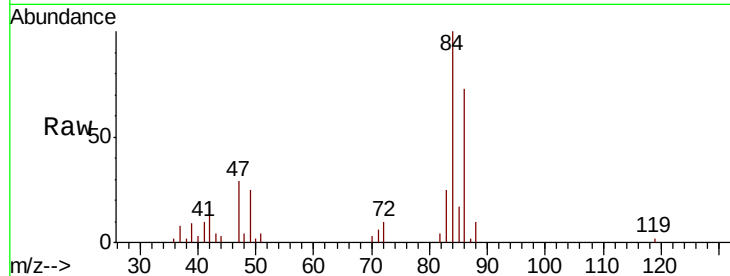




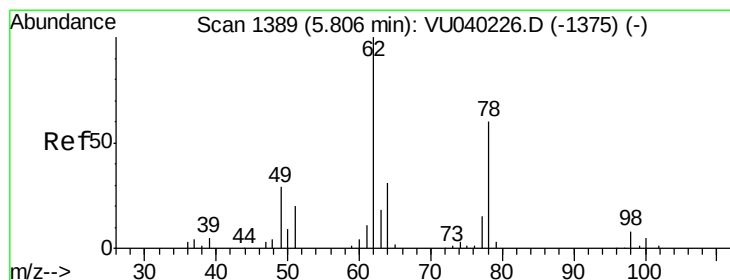
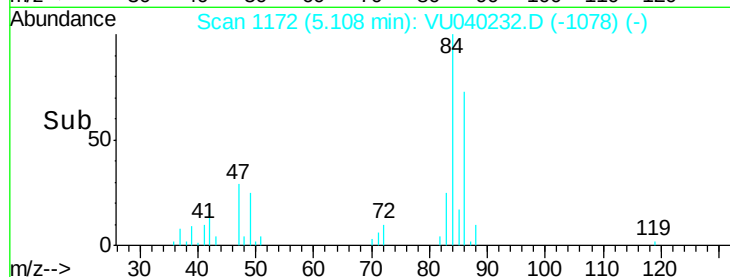
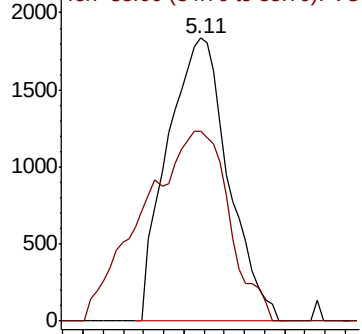
#25
Chloroform
Concen: 0.172 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040232.D
Acq: 21 Sep 2020 14:34

Instrument :
MSVOA_U
ClientSampleId :
BG0Q0DL

Tot Ion: 83 Resp: 3854
Ion Ratio Lower Upper
83 100
85 67.0 45.3 84.1

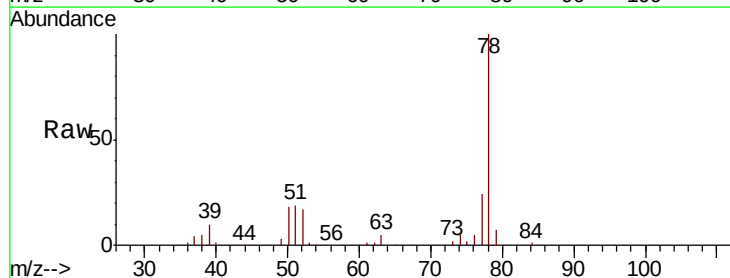


Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0

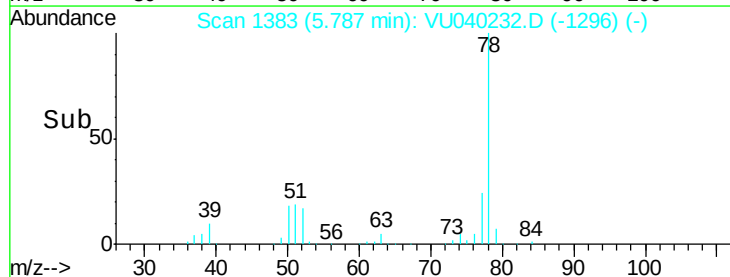
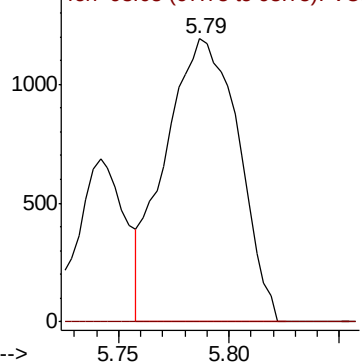


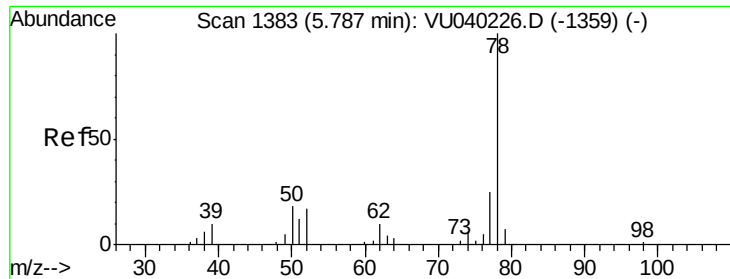
#27
1,2-Dichloroethane
Concen: 0.167 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. -0.02 min
Lab File: VU040232.D
Acq: 21 Sep 2020 14:34

Tgt Ion: 62 Resp: 2752
Ion Ratio Lower Upper
62 100
98 0.0 6.1 9.1#



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 98.05 (97.75 to 98.75): VU0





#33

Benzene

Concen: 5.764 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU040232.D

Acq: 21 Sep 2020 14:34

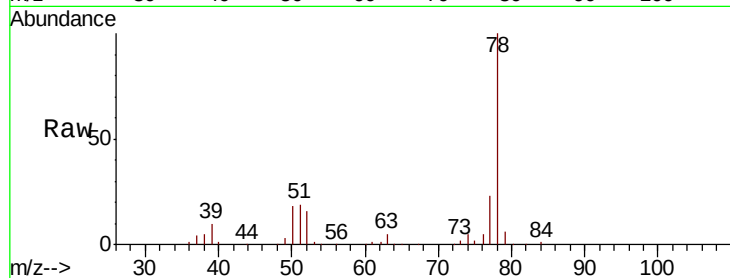
Instrument :

MSVOA_U

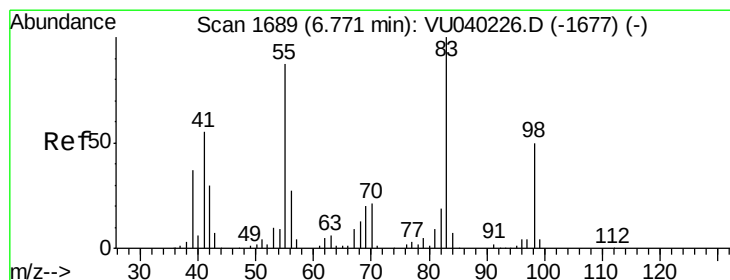
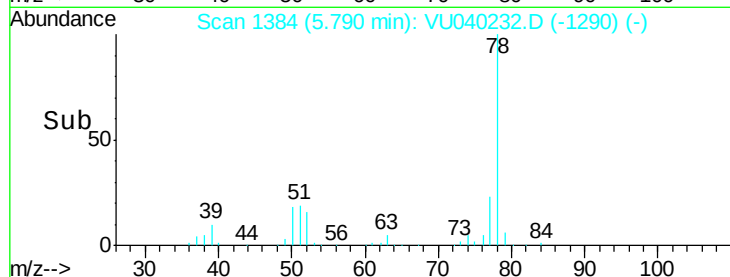
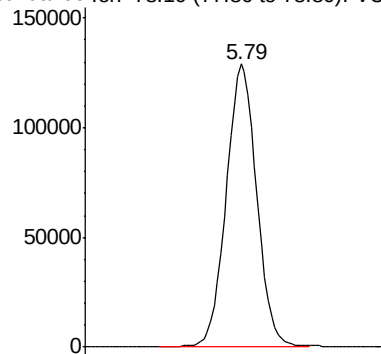
ClientSampled :

BG0Q0DL

Tgt Ion: 78 Resp: 260165



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.634 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040232.D

Acq: 21 Sep 2020 14:34

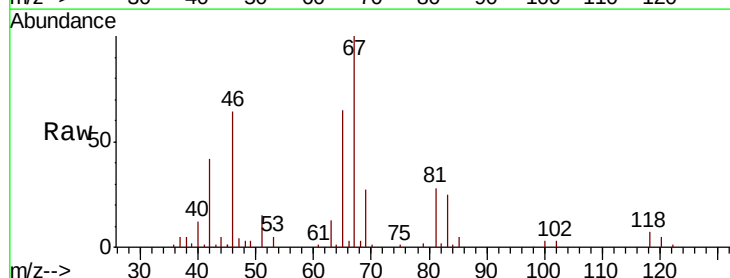
Tgt Ion: 83 Resp: 11749

Ion Ratio Lower Upper

83 100

55 2.0 70.5 105.7#

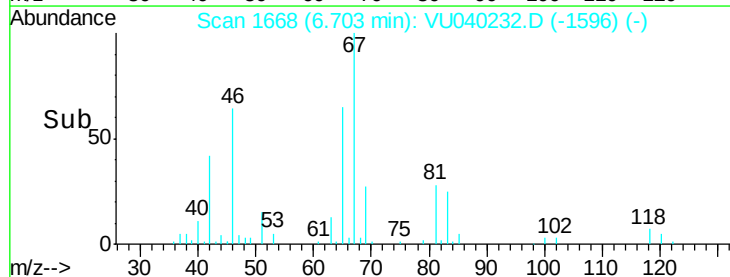
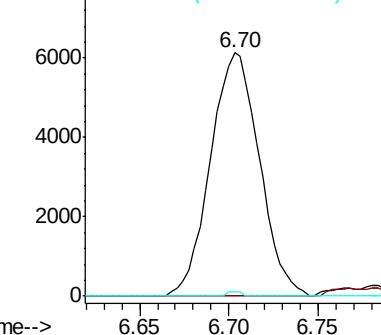
98 0.5 37.8 56.6#

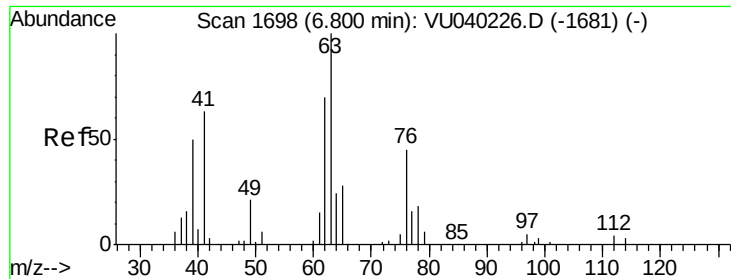


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

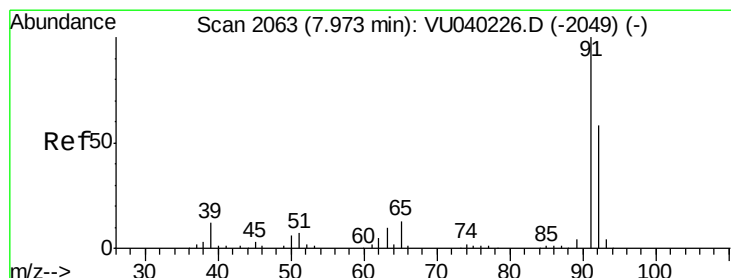
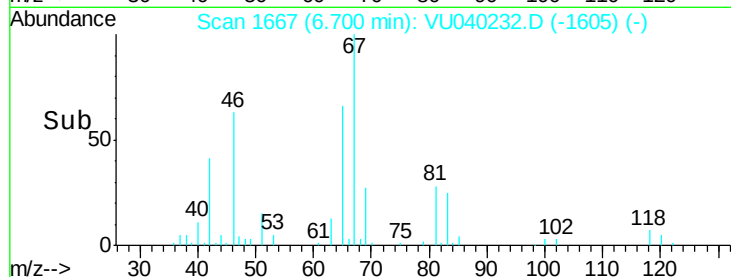
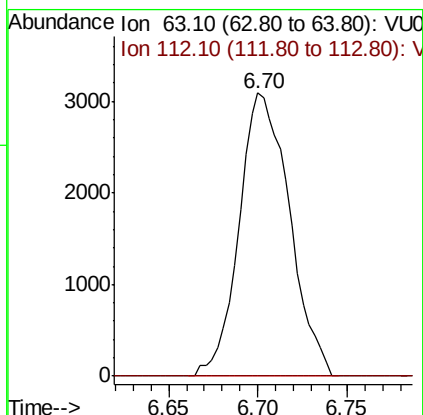
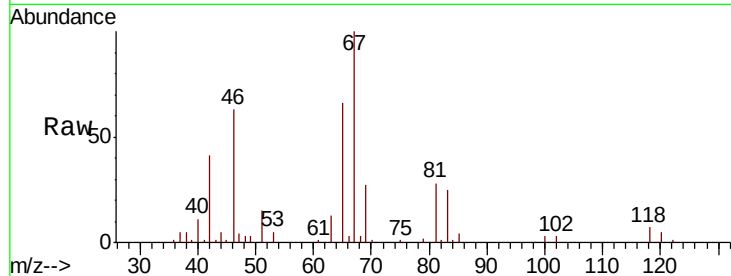




#37
 1,2-Dichloropropane
 Concen: 0.498 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU040232.D
 Acq: 21 Sep 2020 14:34

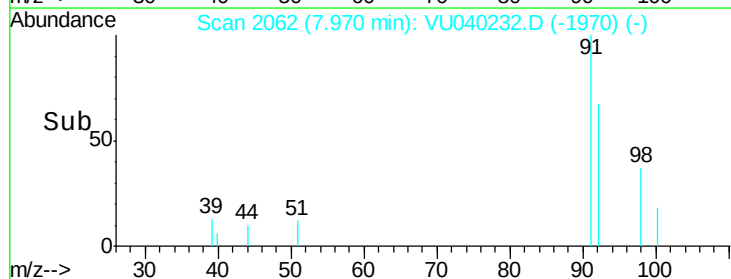
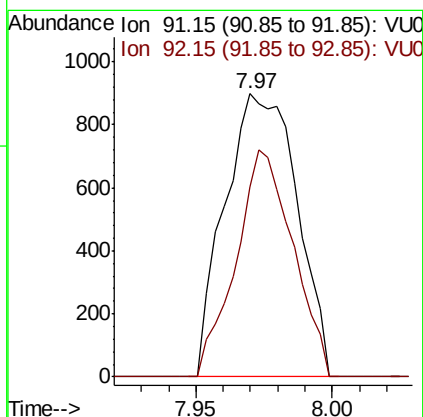
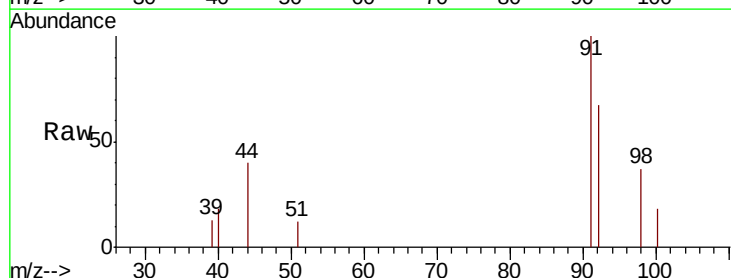
Instrument :
 MSVOA_U
 ClientSampleID :
 BG0Q0DL

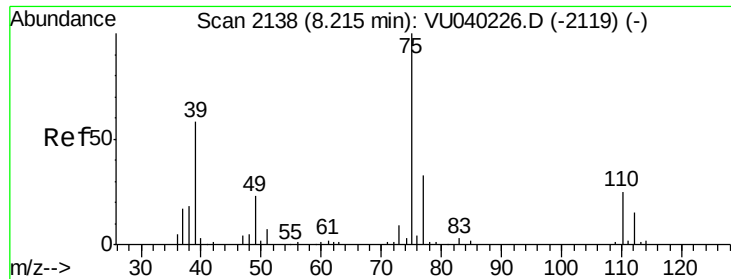
Tot Ion: 63 Resp: 6081
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#42
 Toluene
 Concen: 0.035 ug/L
 RT: 7.97 min Scan# 2062
 Delta R.T. -0.00 min
 Lab File: VU040232.D
 Acq: 21 Sep 2020 14:34

Tgt Ion: 91 Resp: 1648
 Ion Ratio Lower Upper
 91 100
 92 67.3 40.7 75.5





#44

trans-1,3-Dichloropropene

Concen: 0.054 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040232.D

Acq: 21 Sep 2020 14:34

Instrument :

MSVOA_U

ClientSampleId :

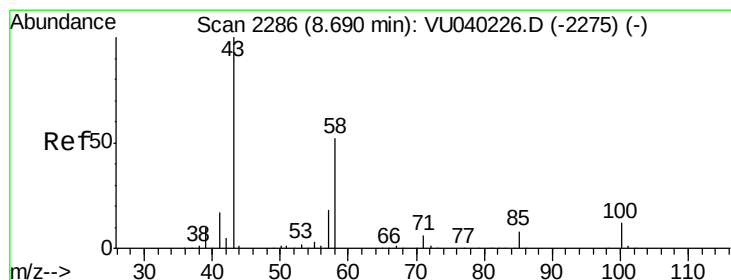
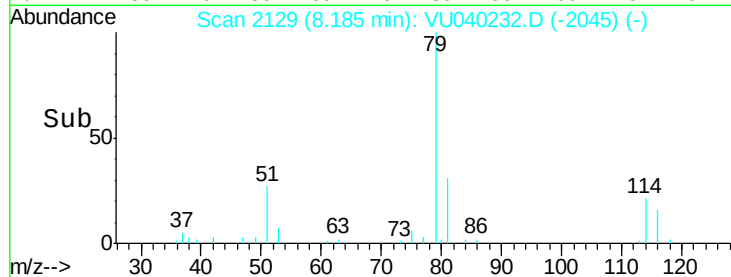
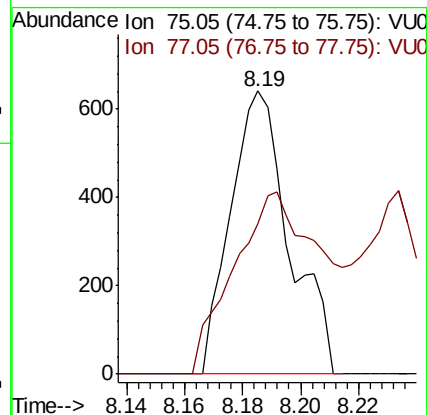
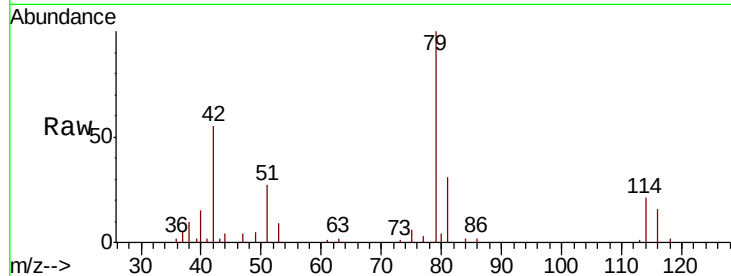
BG0Q0DL

Tot Ion: 75 Resp: 900

Ion Ratio Lower Upper

75 100

77 53.0 23.9 44.3#



#48

2-Hexanone

Concen: 2.107 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU040232.D

Acq: 21 Sep 2020 14:34

Tgt Ion: 43 Resp: 15410

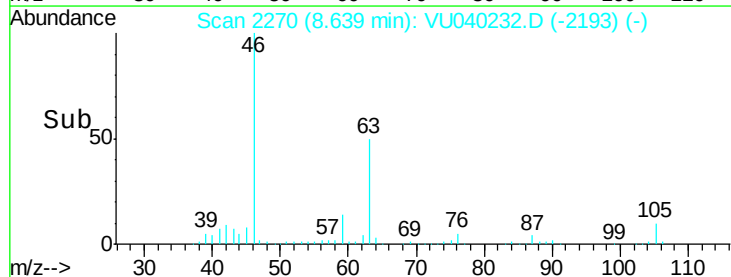
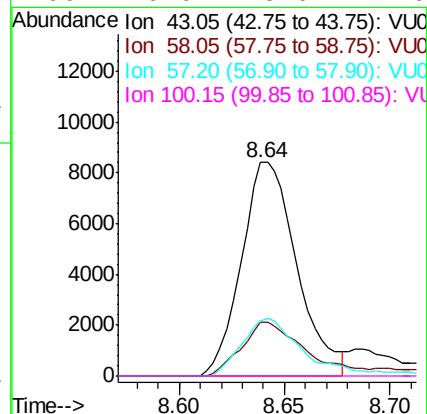
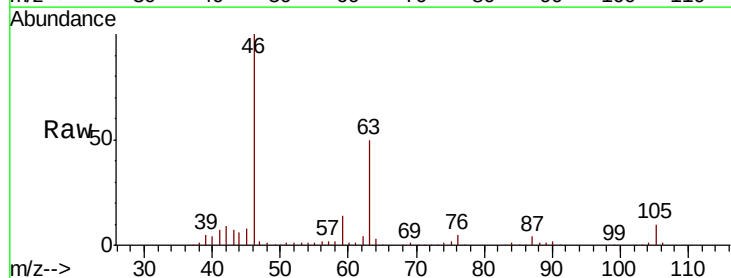
Ion Ratio Lower Upper

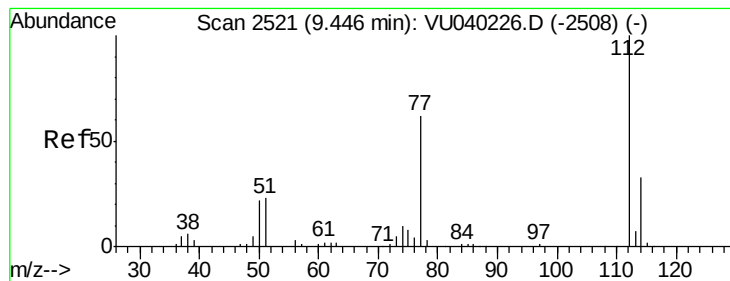
43 100

58 28.9 39.6 59.4#

57 30.0 14.3 21.5#

100 0.0 8.0 12.0#





#51

Chlorobenzene

Concen: 0.684 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU040232.D

Acq: 21 Sep 2020 14:34

Instrument :

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ClientSampleId :

BG0Q0DL

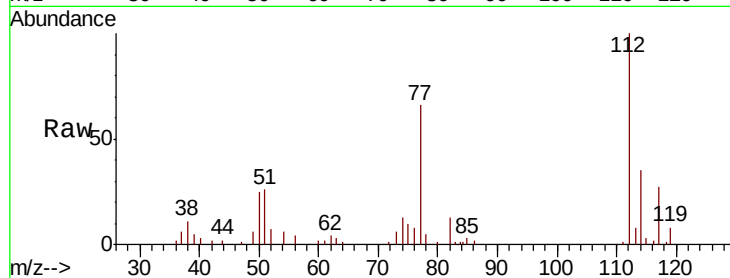
Tot Ion:112 Resp: 19746

Ion Ratio Lower Upper

112 100

114 34.6 22.7 42.3

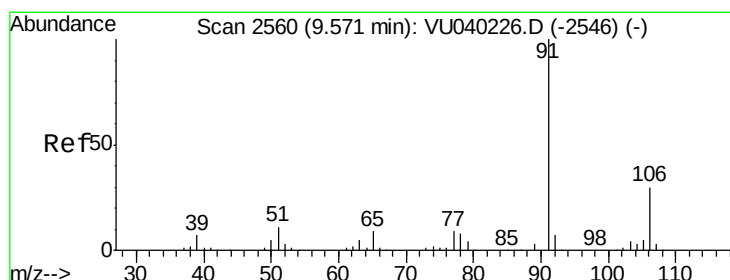
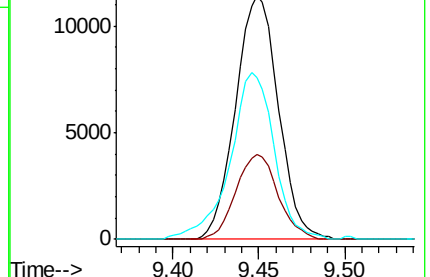
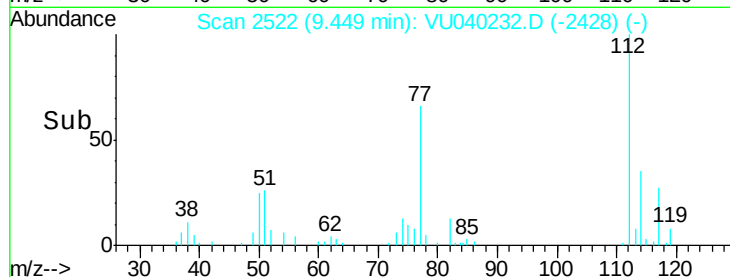
77 66.4 53.2 79.8



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: 0.606 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040232.D

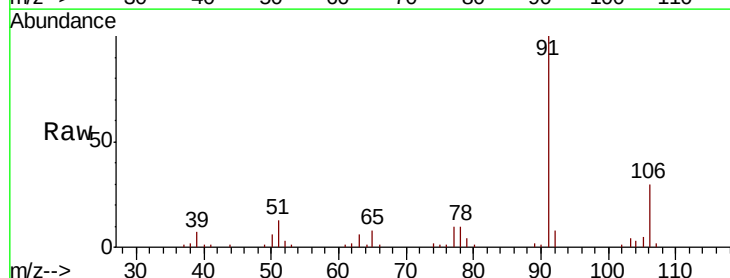
Acq: 21 Sep 2020 14:34

Tgt Ion: 91 Resp: 31978

Ion Ratio Lower Upper

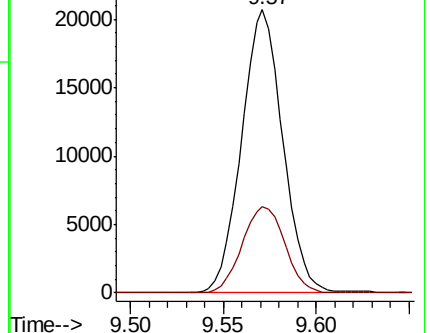
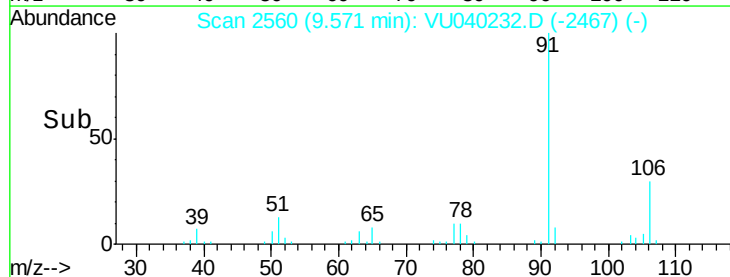
91 100

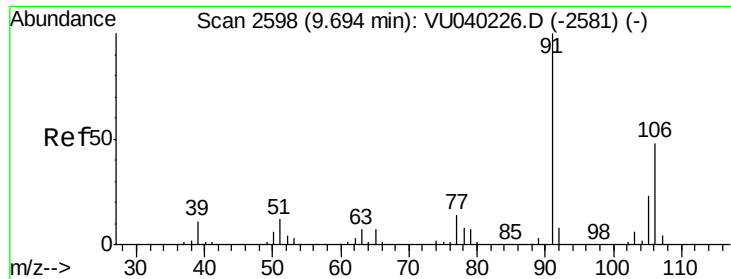
106 30.3 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): V

Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 0.571 ug/L

RT: 9.69 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VU040232.D

Acq: 21 Sep 2020 14:34

Instrument :

MSVOA_U

ClientSampleId :

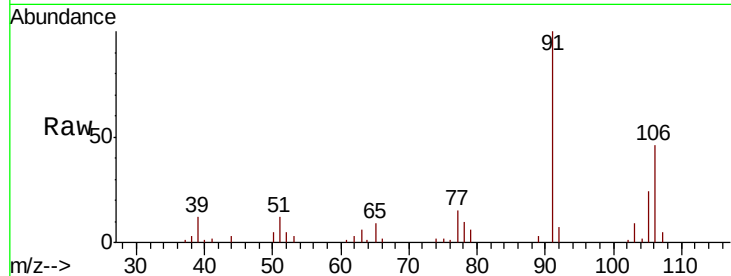
BG0Q0DL

Tot Ion:106 Resp: 10740

Ion Ratio Lower Upper

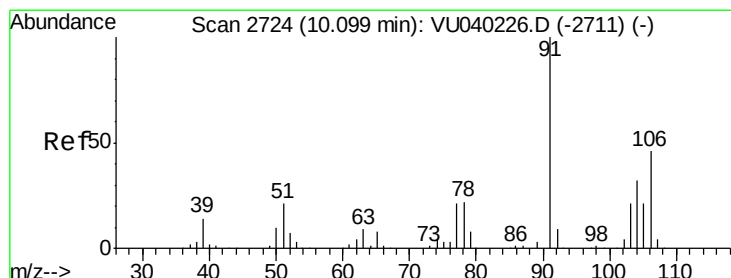
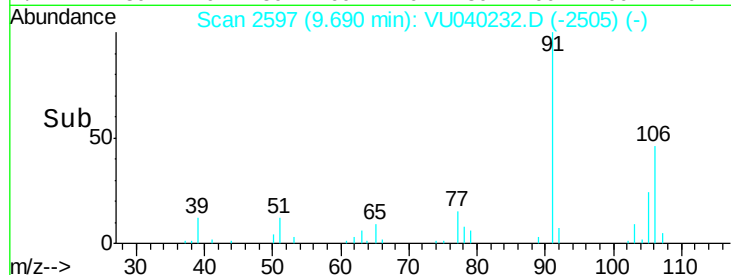
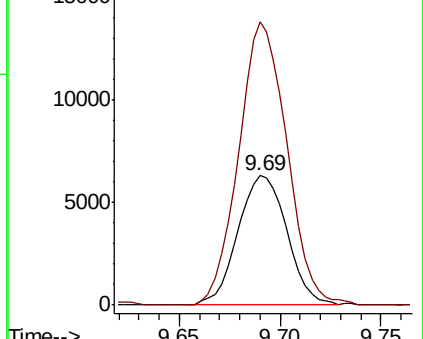
106 100

91 219.0 151.7 281.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.177 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VU040232.D

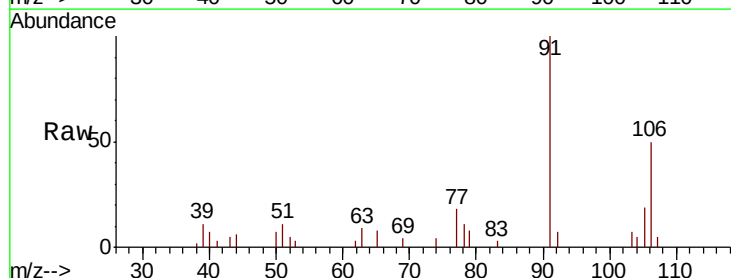
Acq: 21 Sep 2020 14:34

Tgt Ion:106 Resp: 3164

Ion Ratio Lower Upper

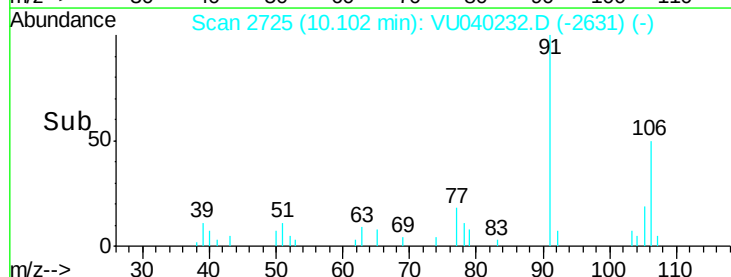
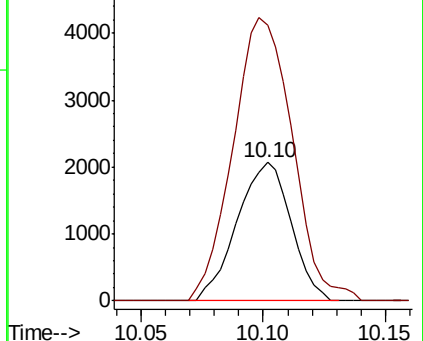
106 100

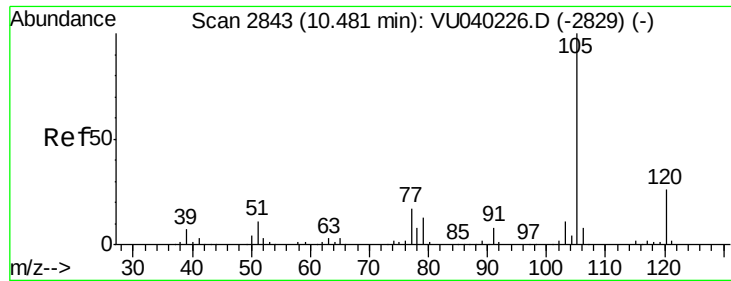
91 198.9 160.8 298.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#56

Isopropylbenzene

Concen: 0.317 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040232.D

Acq: 21 Sep 2020 14:34

Instrument :

MSVOA_U

ClientSampled :

BG0Q0DL

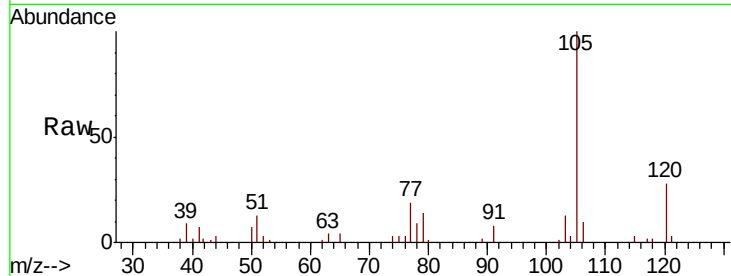
Tot Ion:105 Resp: 15475

Ion Ratio Lower Upper

105 100

120 27.1 20.1 30.1

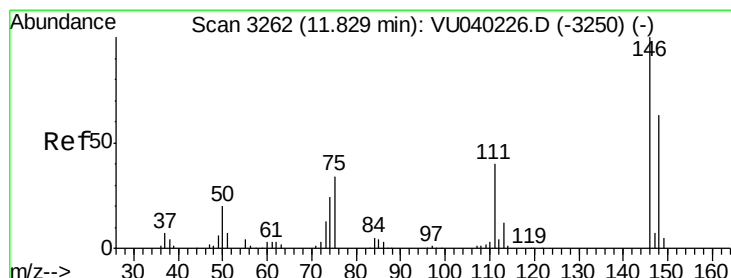
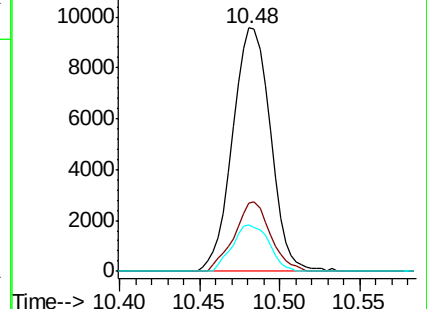
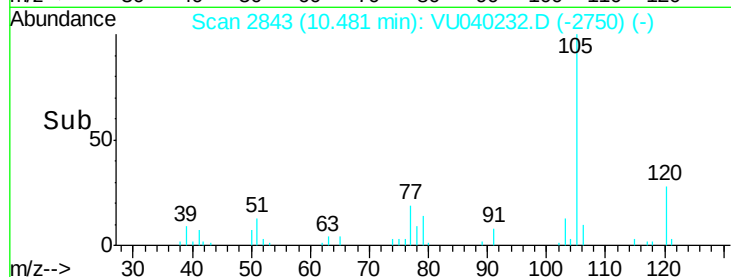
77 18.4 14.4 21.6



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: 0.107 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. -0.00 min

Lab File: VU040232.D

Acq: 21 Sep 2020 14:34

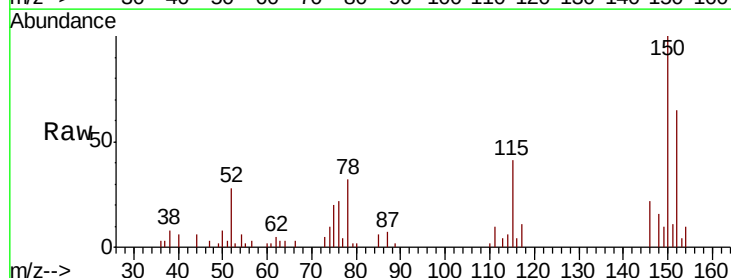
Tgt Ion:146 Resp: 2268

Ion Ratio Lower Upper

146 100

111 44.3 30.5 56.7

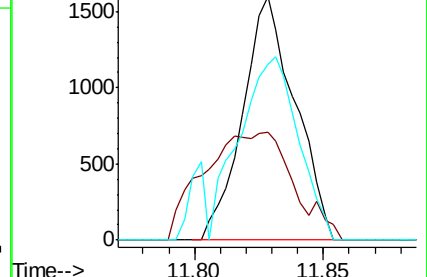
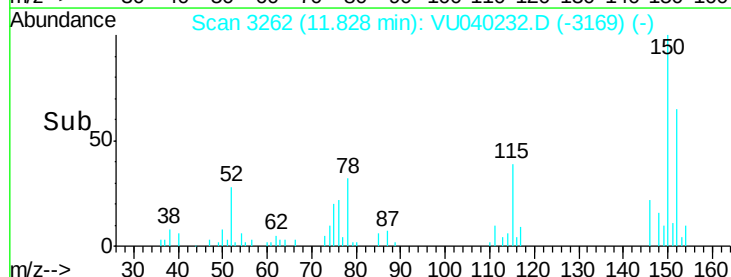
148 72.1 45.4 84.4

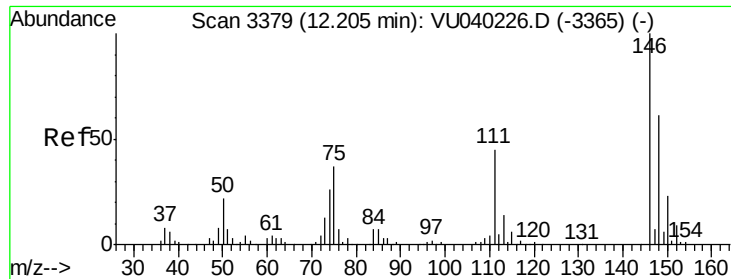


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

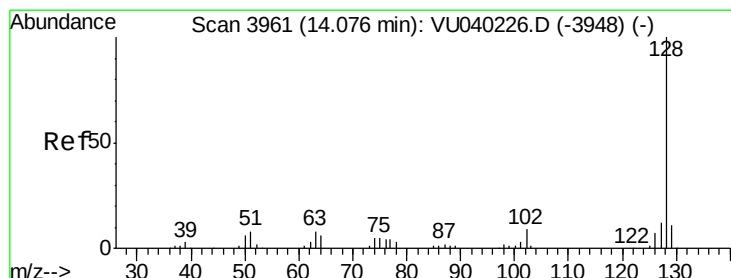
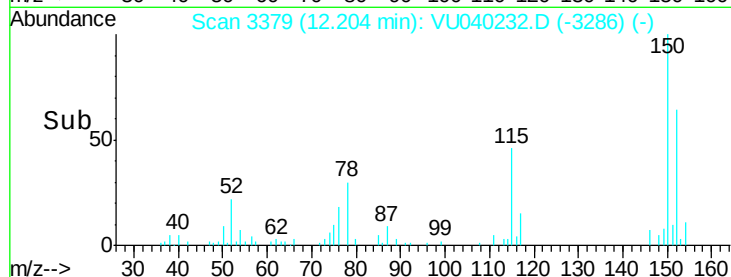
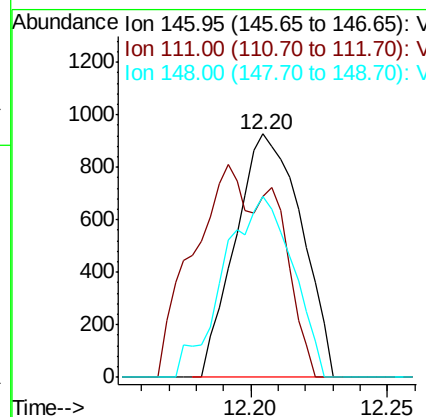
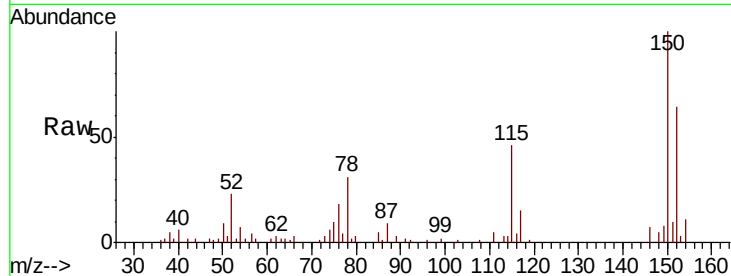




#65
 1,2-Dichlorobenzene
 Concen: 0.077 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU040232.D
 Acq: 21 Sep 2020 14:34

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0Q0DL

Tot Ion:146 Resp: 1553
 Ion Ratio Lower Upper
 146 100
 111 74.2 36.5 54.7#
 148 74.2 48.6 72.8#



#69
 Naphthalene
 Concen: 2.835 ug/L
 RT: 14.08 min Scan# 3961
 Delta R.T. -0.00 min
 Lab File: VU040232.D
 Acq: 21 Sep 2020 14:34

Tgt Ion:128 Resp: 74991
 Ion Ratio Lower Upper
 128 100
 129 10.6 8.7 13.1
 127 12.7 10.7 16.1

