

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U052220\
 Data File : VU038286.D
 Acq On : 22 May 2020 18:39
 Operator : JC/MD
 Sample : L2724-12DL 50X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 22 22:22:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 22 22:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	312738	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	301598	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	153522	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	97391	3.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.20%
7) Chloroethane-d5	1.93	69	90417	3.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.00%
11) 1,1-Dichloroethene-d2	2.59	63	149259	3.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.40%
20) 2-Butanone-d5	4.66	46	365703	51.82	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.64%
24) Chloroform-d	5.10	84	207767	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.74	65	122387	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
32) Benzene-d6	5.76	84	431171	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.72	67	137372	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.92	98	378040	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
43) trans-1,3-Dichloropropene-	8.20	79	51937	4.45	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.00%
46) 2-Hexanone-d5	8.65	63	286226	51.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.76%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	113029	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	12.20	152	152827	5.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
16) Methylene chloride	3.08	84	2051	0.081	ug/L	82
27) 1,2-Dichloroethane	5.81	62	21014	0.690	ug/L #	73
33) Benzene	5.81	78	2544214	26.343	ug/L	100
35) Methylcyclohexane	6.79	83	3605	0.092	ug/L	93
37) 1,2-Dichloropropane	6.72	63	15140	0.577	ug/L #	94
39) cis-1,3-Dichloropropene	7.59	75	3597	0.096	ug/L #	65
42) Toluene	7.99	91	12670	0.124	ug/L	88
48) 2-Hexanone	8.71	43	25190	1.892	ug/L	96
51) Chlorobenzene	9.47	112	135666	2.144	ug/L	100
52) Ethylbenzene	9.59	91	369026	3.341	ug/L	98
53) m,p-Xylene	9.71	106	181853	4.294	ug/L	99
54) o-Xylene	10.12	106	32466	0.793	ug/L	99
56) Isopropylbenzene	10.50	105	141662	1.347	ug/L	99
59) 1,2,3-Trichloropropane	11.82	75	25273	1.435	ug/L	96
62) 1,3-Dichlorobenzene	11.76	146	3321	0.066	ug/L	92
63) 1,4-Dichlorobenzene	11.85	146	16549	0.327	ug/L	95
65) 1,2-Dichlorobenzene	12.22	146	10115	0.210	ug/L	98

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 22 22:19:50 2020
Response via : Initial Calibration

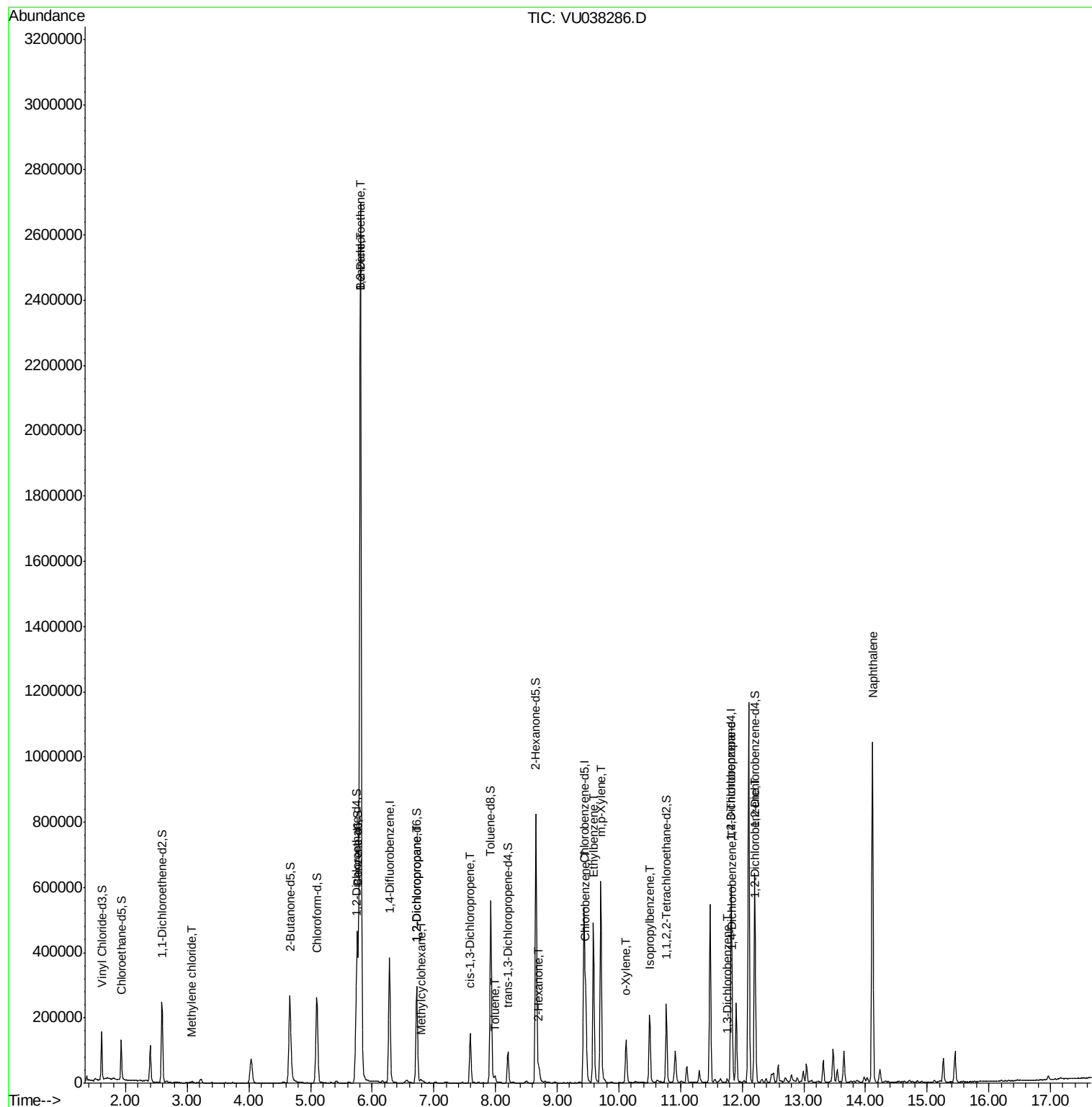
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
69) Naphthalene	14.11	128	816437	11.796	ug/L	100
-----	-----	-----	-----	-----	-----	-----

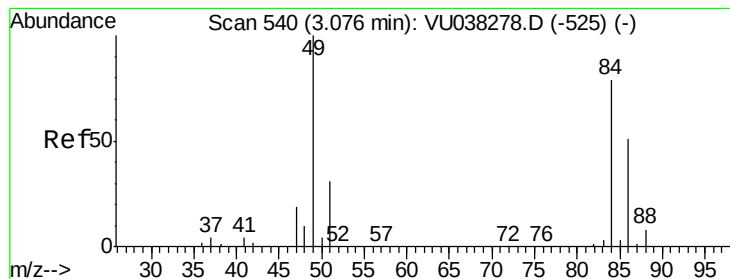
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 22 22:19:50 2020
Response via : Initial Calibration





#16

Methylene chloride

Concen: 0.081 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.01 min

Lab File: VU038286.D

Acq: 22 May 2020 18:39

Instrument :

MSVOA_U

ClientSampleId :

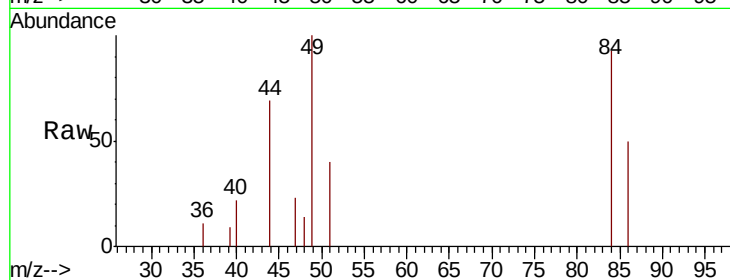
Tot Ion: 84 Resp: 2051

Ion Ratio Lower Upper

84 100

86 53.6 44.9 83.3

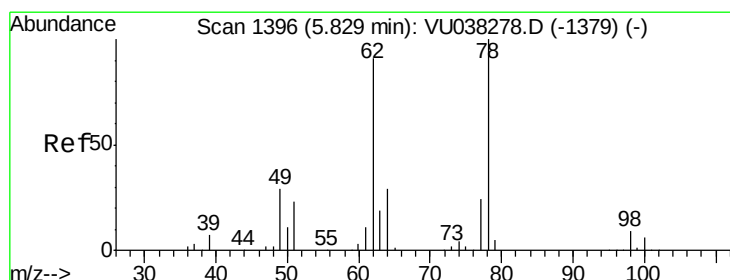
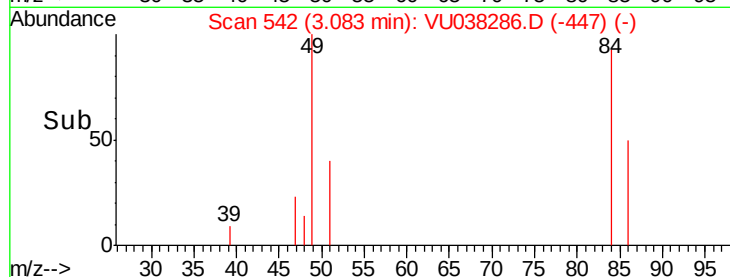
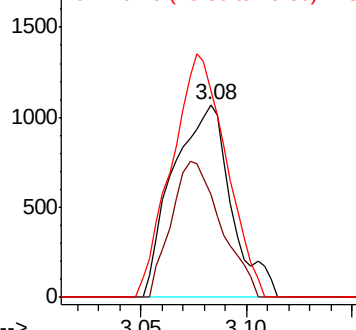
49 107.5 92.0 170.9



Abundance Ion 84.05 (83.75 to 84.75): VU038278.D (-525) (-)

Ion 86.00 (85.70 to 86.70): VU038278.D (-525) (-)

Ion 49.10 (48.80 to 49.80): VU038278.D (-525) (-)



#27

1,2-Dichloroethane

Concen: 0.690 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. -0.02 min

Lab File: VU038286.D

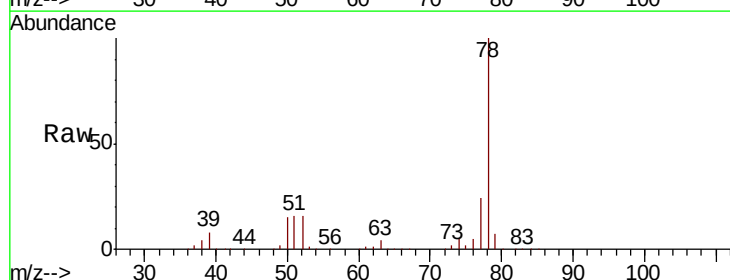
Acq: 22 May 2020 18:39

Tgt Ion: 62 Resp: 21014

Ion Ratio Lower Upper

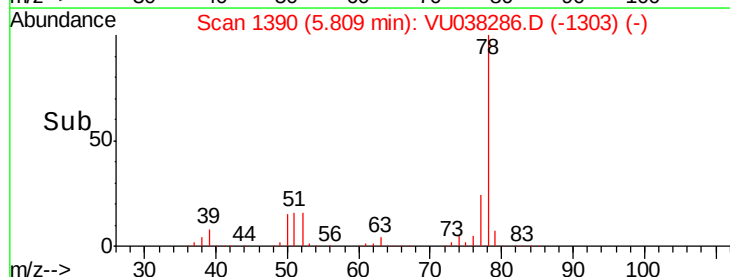
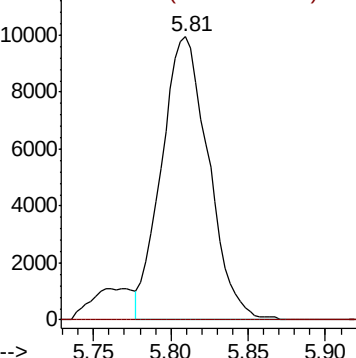
62 100

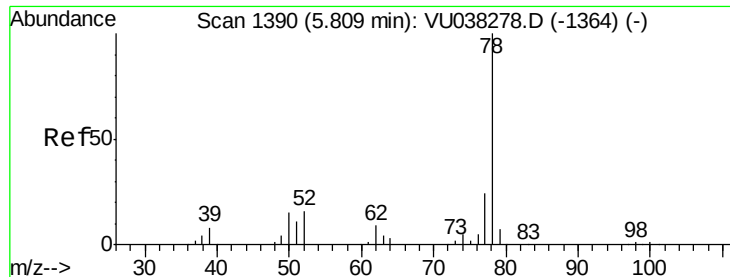
98 0.0 7.8 11.8#



Abundance Ion 62.00 (61.70 to 62.70): VU038278.D (-1379) (-)

Ion 98.05 (97.75 to 98.75): VU038278.D (-1379) (-)





#33

Benzene

Concen: 26.343 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU038286.D

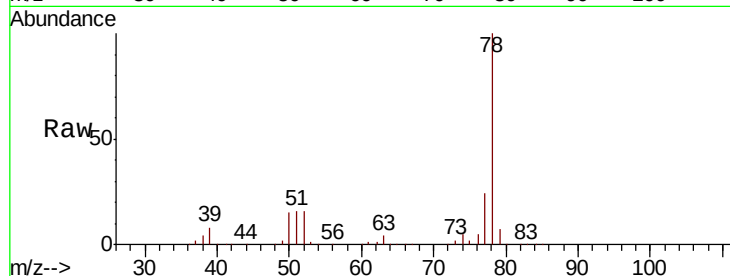
Acq: 22 May 2020 18:39

Instrument :

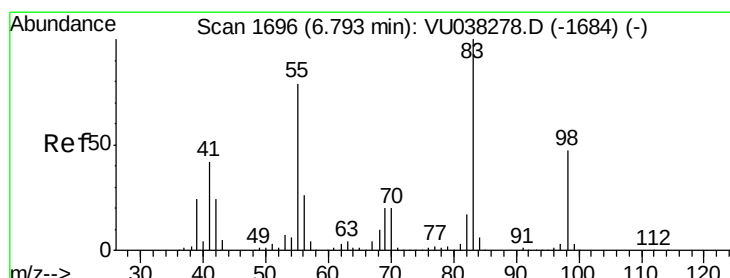
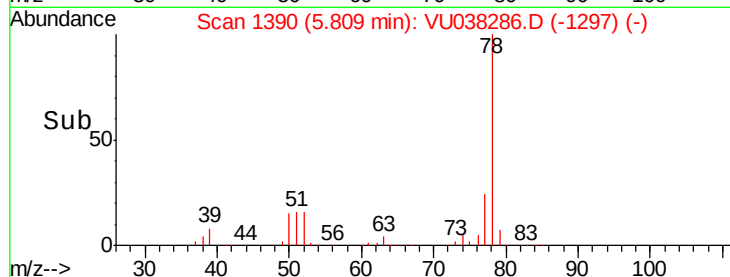
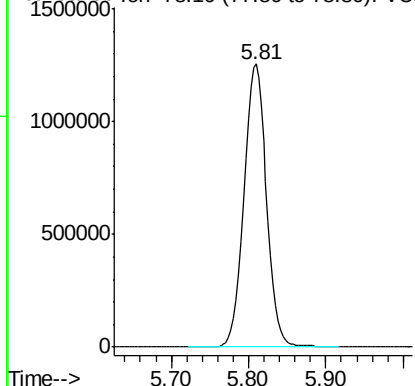
MSVOA_U

ClientSampleId :

Tgt Ion: 78 Resp: 2544214



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.092 ug/L

RT: 6.79 min Scan# 1695

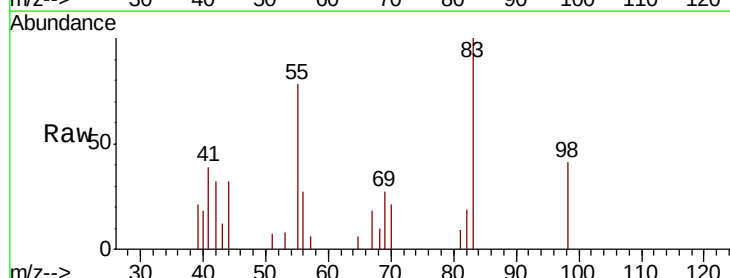
Delta R.T. -0.00 min

Lab File: VU038286.D

Acq: 22 May 2020 18:39

Tgt Ion: 83 Resp: 3605

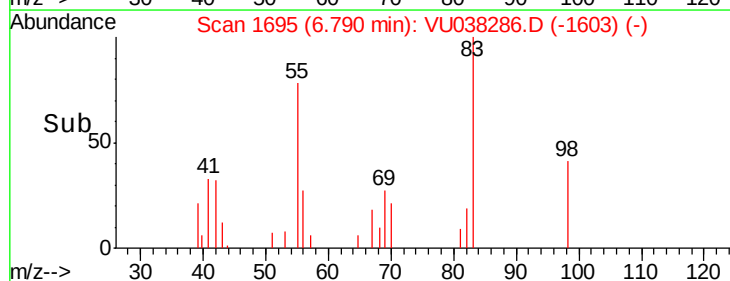
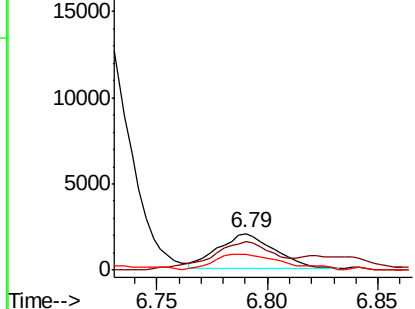
Ion	Ratio	Lower	Upper
83	100		
55	88.9	66.7	100.1
98	54.8	39.4	59.2

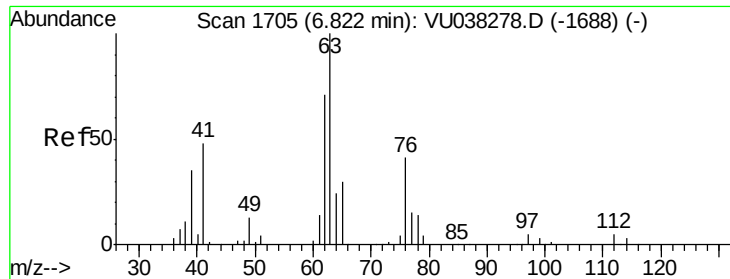


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

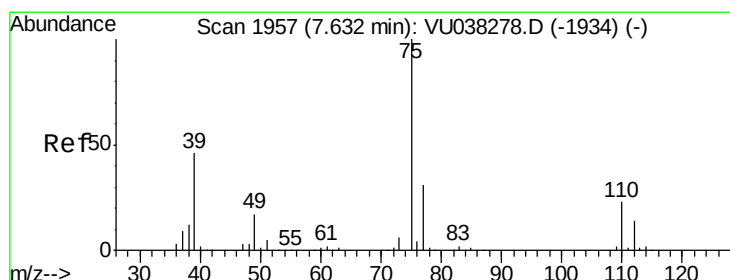
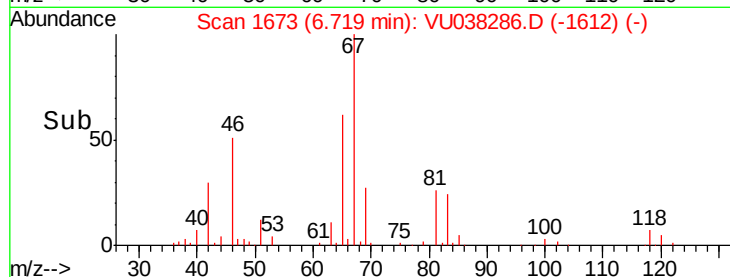
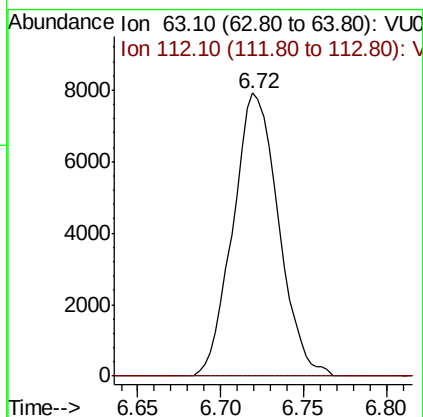
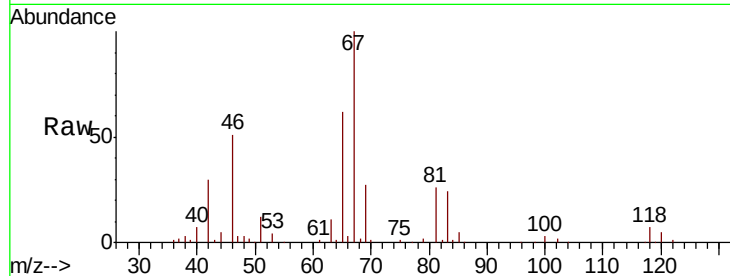




#37
 1,2-Dichloropropane
 Concen: 0.577 ug/L
 RT: 6.72 min Scan# 1673
 Delta R.T. -0.10 min
 Lab File: VU038286.D
 Acq: 22 May 2020 18:39

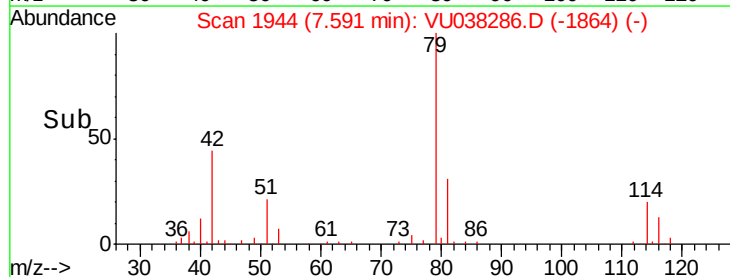
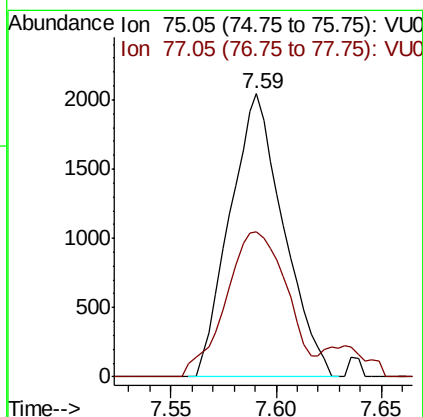
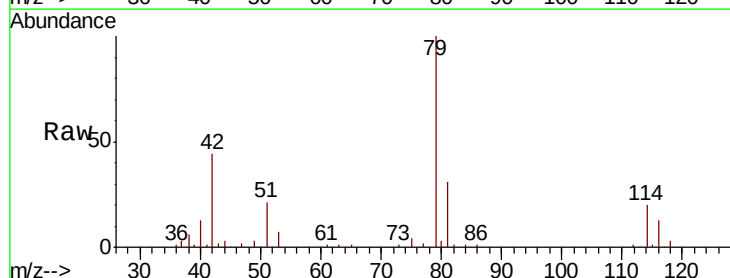
Instrument :
 MSVOA_U
 ClientSampled :

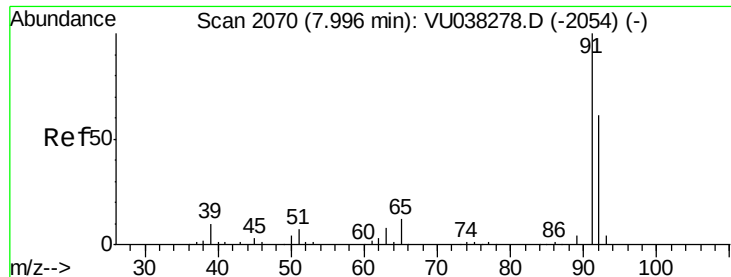
Tot Ion: 63 Resp: 15140
 Ion Ratio Lower Upper
 63 100
 112 2.1 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.096 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU038286.D
 Acq: 22 May 2020 18:39

Tgt Ion: 75 Resp: 3597
 Ion Ratio Lower Upper
 75 100
 77 51.3 22.4 41.6#





#42

Toluene

Concen: 0.124 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038286.D

Acq: 22 May 2020 18:39

Instrument :

MSVOA_U

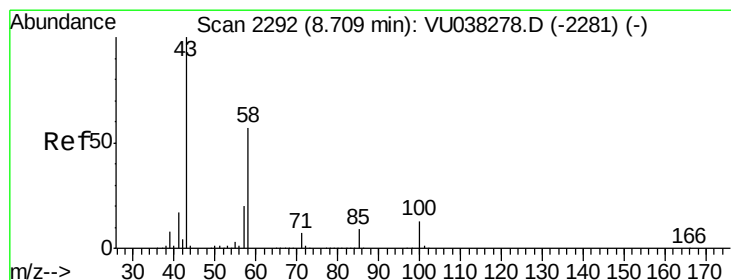
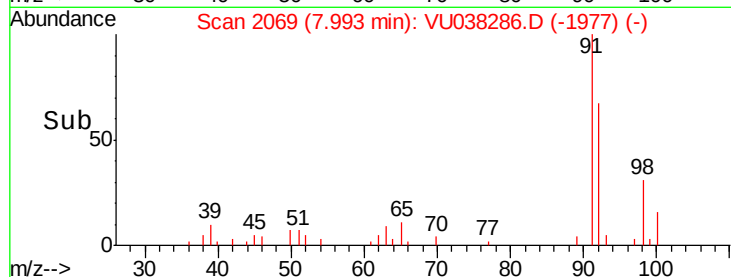
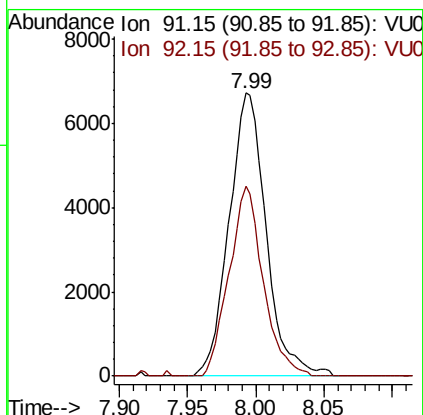
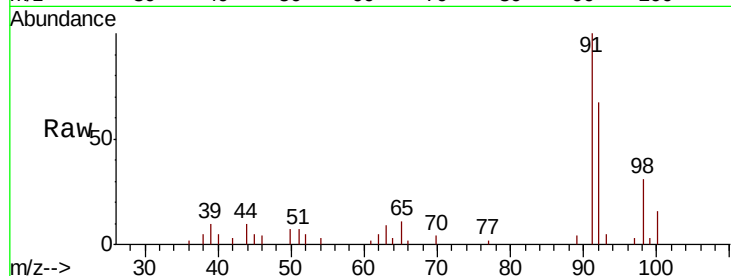
ClientSampleId :

Tot Ion: 91 Resp: 12670

Ion Ratio Lower Upper

91 100

92 67.1 40.9 75.9



#48

2-Hexanone

Concen: 1.892 ug/L

RT: 8.71 min Scan# 2291

Delta R.T. -0.00 min

Lab File: VU038286.D

Acq: 22 May 2020 18:39

Tgt Ion: 43 Resp: 25190

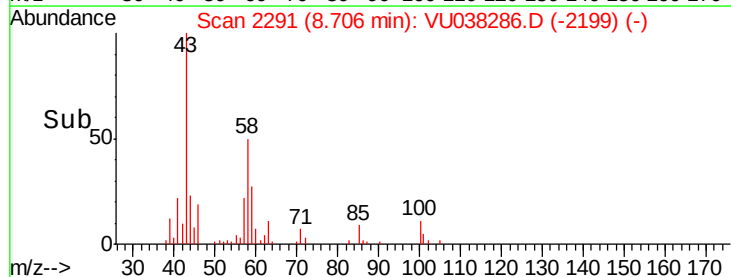
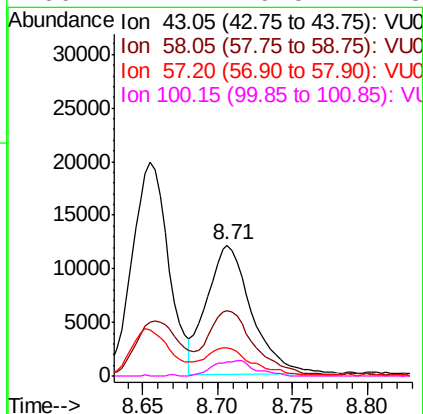
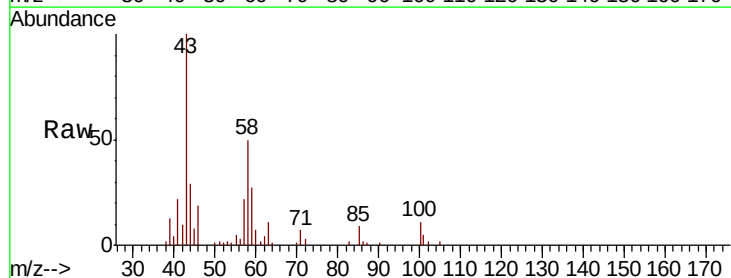
Ion Ratio Lower Upper

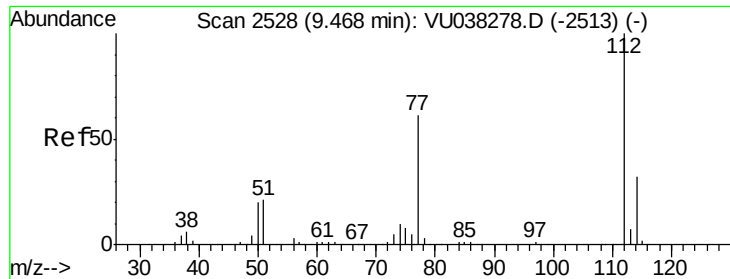
43 100

58 53.1 45.2 67.8

57 21.3 15.5 23.3

100 11.1 9.5 14.3





#51

Chlorobenzene

Concen: 2.144 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU038286.D

Acq: 22 May 2020 18:39

Instrument :

MSVOA_U

ClientSampled :

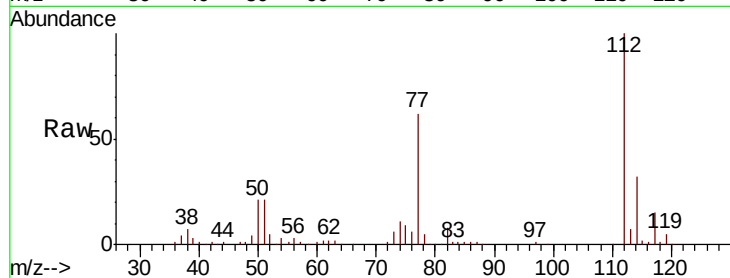
Tot Ion:112 Resp: 135666

Ion Ratio Lower Upper

112 100

114 31.6 22.5 41.7

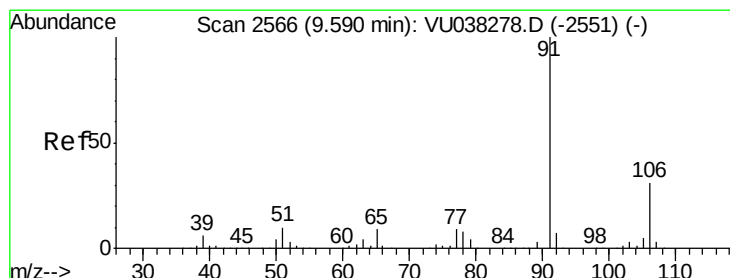
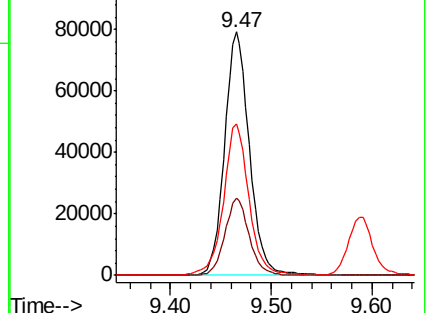
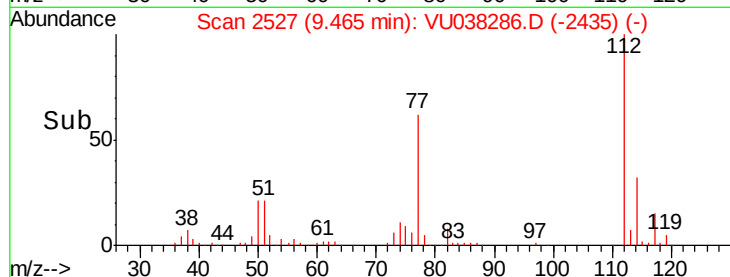
77 62.3 49.9 74.9



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): VU0



#52

Ethylbenzene

Concen: 3.341 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038286.D

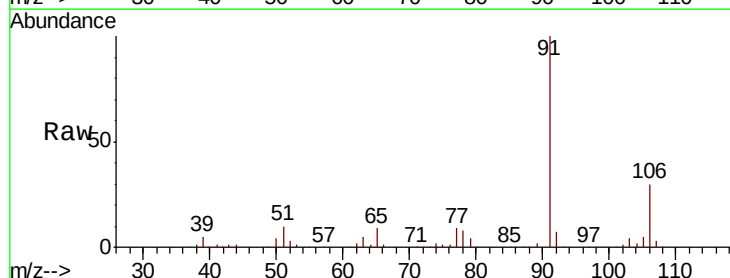
Acq: 22 May 2020 18:39

Tgt Ion: 91 Resp: 369026

Ion Ratio Lower Upper

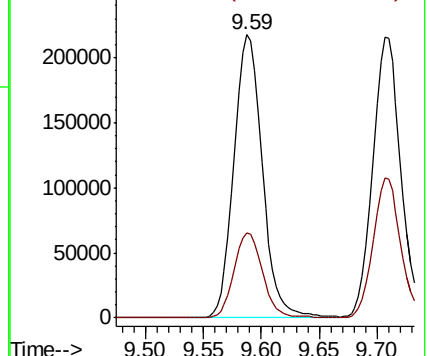
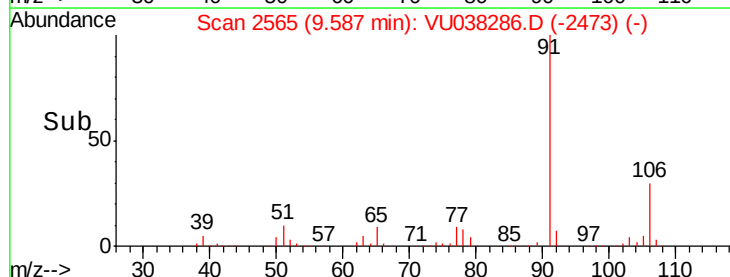
91 100

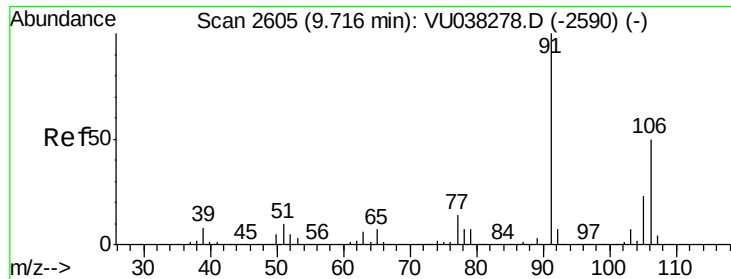
106 30.1 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 4.294 ug/L

RT: 9.71 min Scan# 2602

Delta R.T. -0.01 min

Lab File: VU038286.D

Acq: 22 May 2020 18:39

Instrument :

MSVOA_U

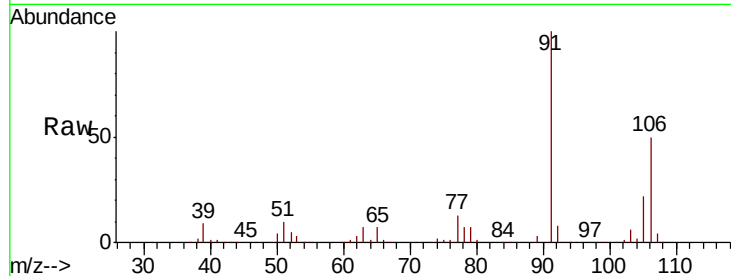
ClientSampled :

Tot Ion:106 Resp: 181853

Ion Ratio Lower Upper

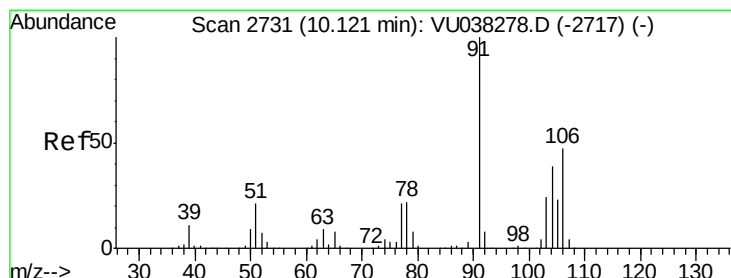
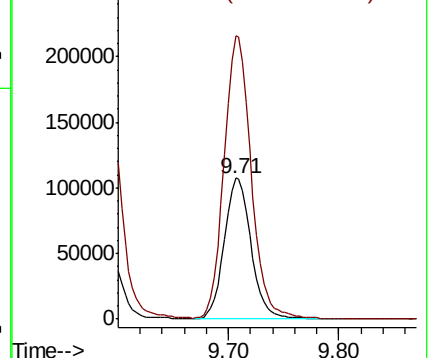
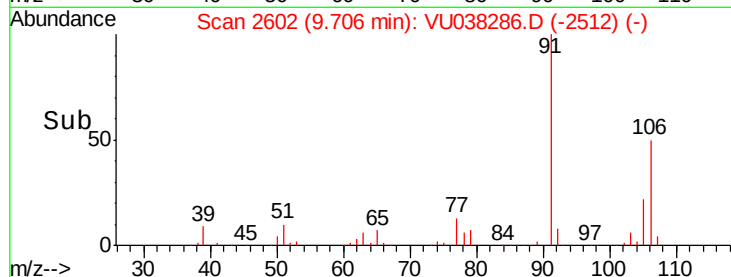
106 100

91 201.2 142.1 263.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.793 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VU038286.D

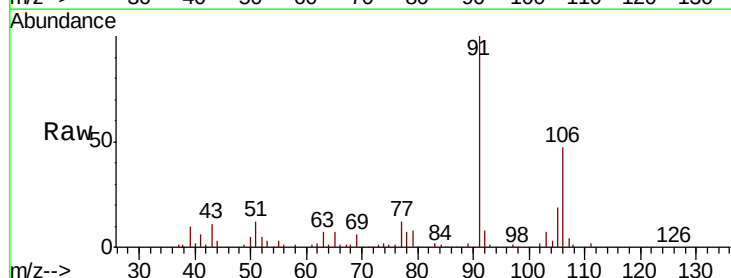
Acq: 22 May 2020 18:39

Tgt Ion:106 Resp: 32466

Ion Ratio Lower Upper

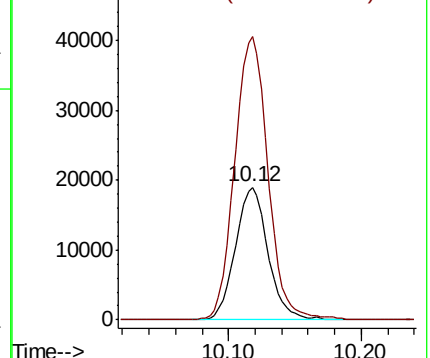
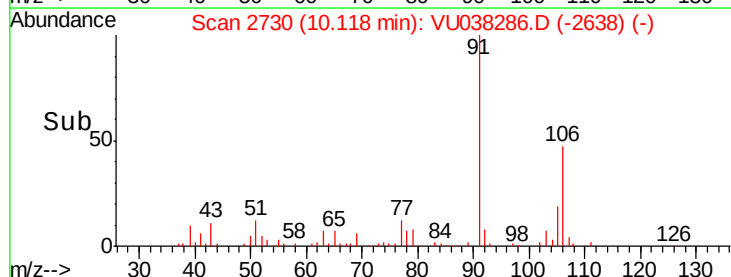
106 100

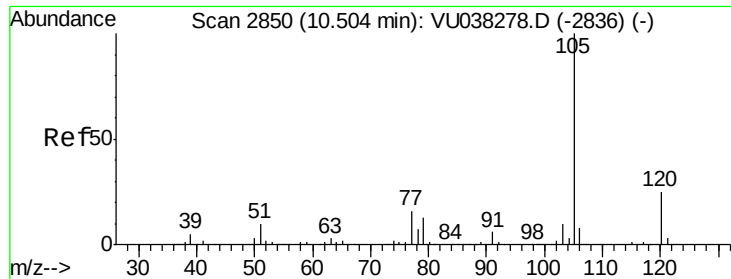
91 213.0 148.5 275.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#56

Isopropylbenzene

Concen: 1.347 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU038286.D

Acq: 22 May 2020 18:39

Instrument :

MSVOA_U

ClientSampled :

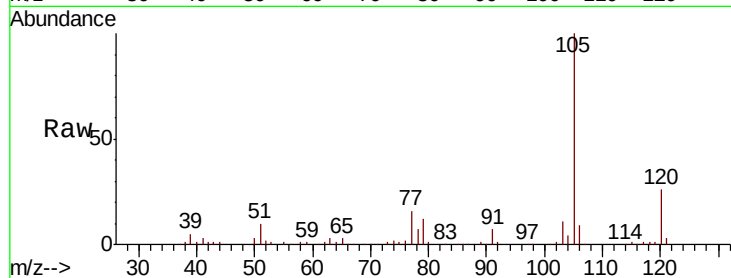
Tot Ion:105 Resp: 141662

Ion Ratio Lower Upper

105 100

120 26.0 21.0 31.6

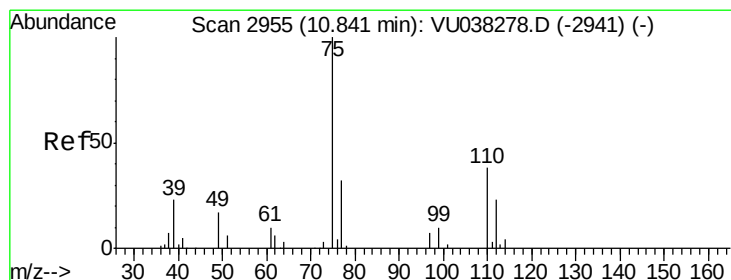
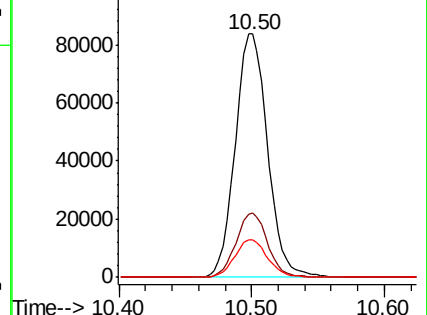
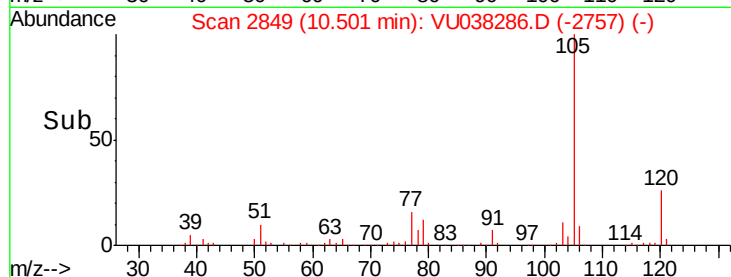
77 15.8 13.0 19.4



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): VU



#59

1,2,3-Trichloropropane

Concen: 1.435 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU038286.D

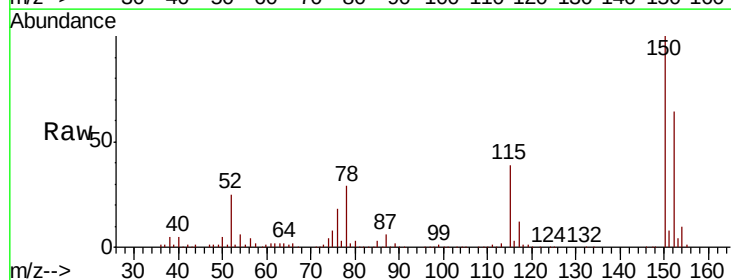
Acq: 22 May 2020 18:39

Tgt Ion: 75 Resp: 25273

Ion Ratio Lower Upper

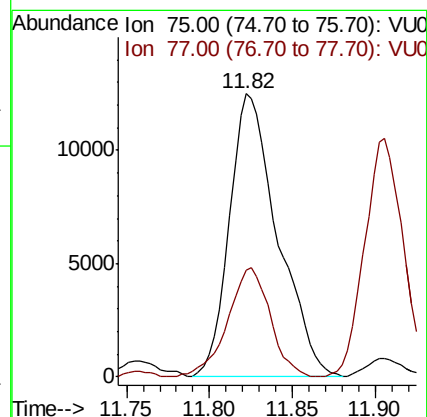
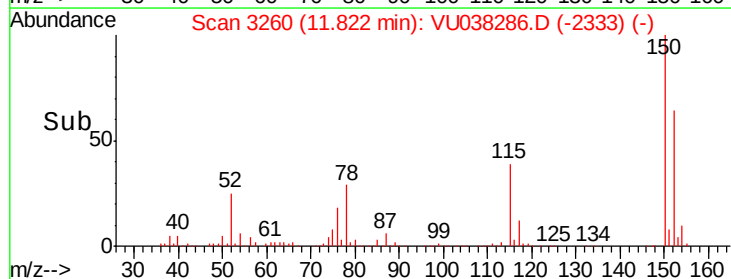
75 100

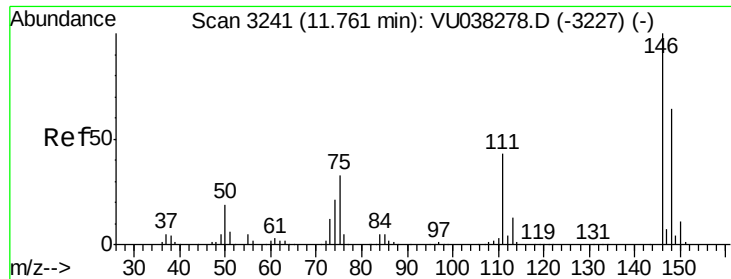
77 33.9 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

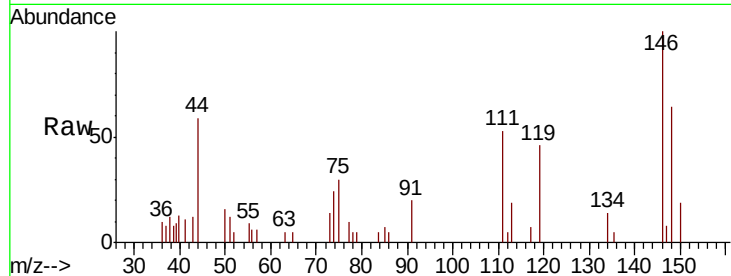




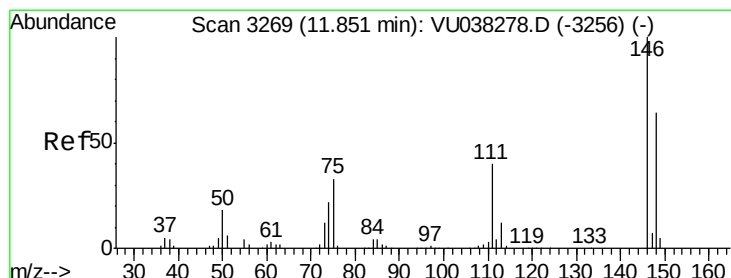
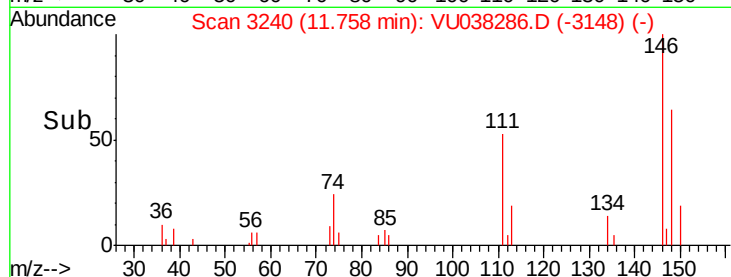
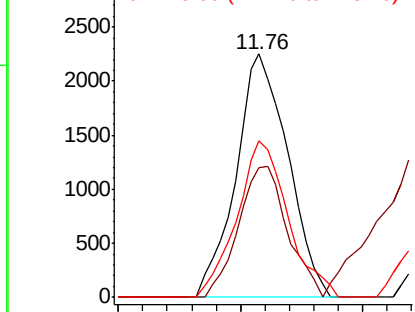
#62
 1,3-Dichlorobenzene
 Concen: 0.066 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU038286.D
 Acq: 22 May 2020 18:39

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:146 Resp: 3321
 Ion Ratio Lower Upper
 146 100
 111 53.1 28.6 53.2
 148 64.4 45.2 84.0

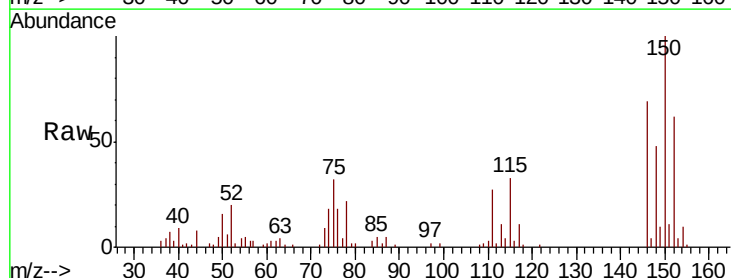


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

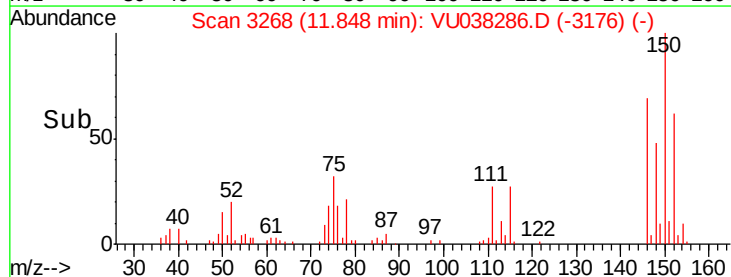
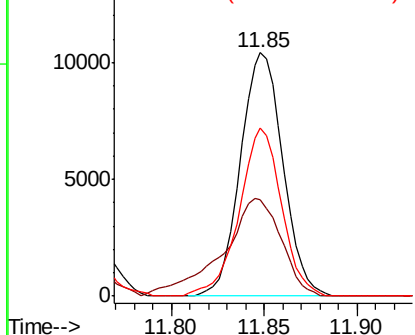


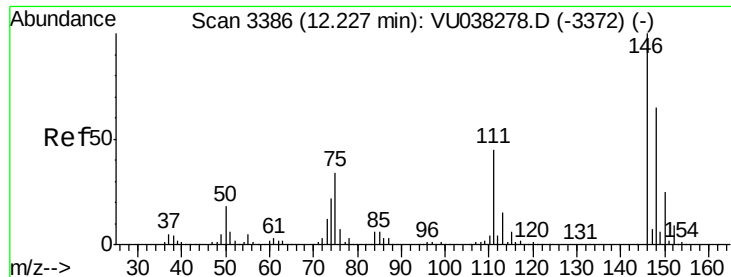
#63
 1,4-Dichlorobenzene
 Concen: 0.327 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU038286.D
 Acq: 22 May 2020 18:39

Tgt Ion:146 Resp: 16549
 Ion Ratio Lower Upper
 146 100
 111 39.4 27.2 50.6
 148 69.0 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

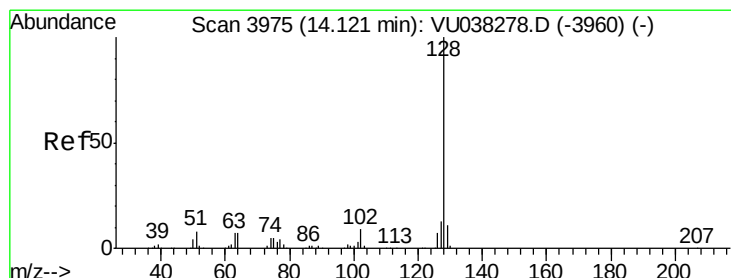
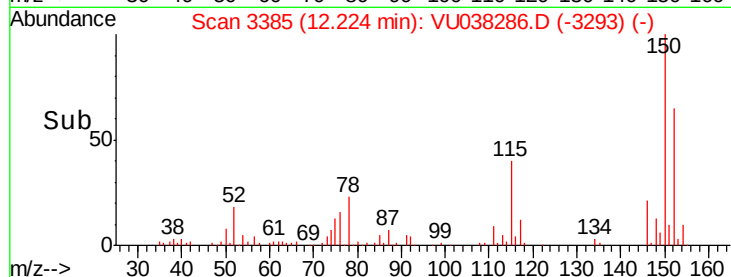
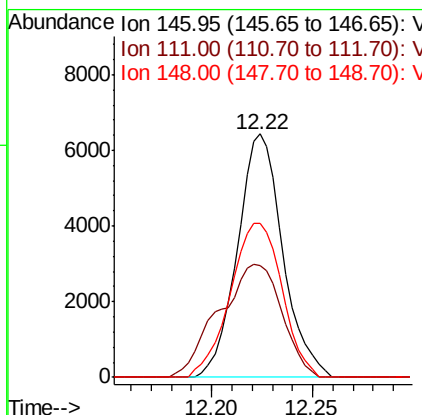
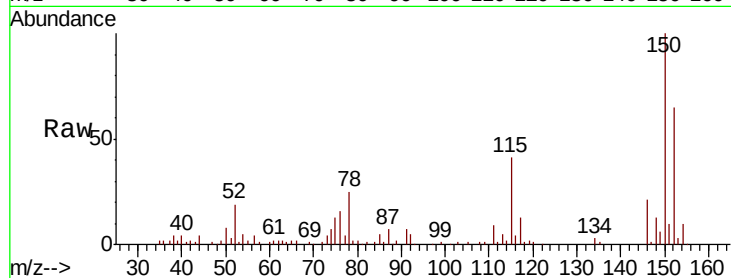




#65
 1,2-Dichlorobenzene
 Concen: 0.210 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU038286.D
 Acq: 22 May 2020 18:39

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 10115
 Ion Ratio Lower Upper
 146 100
 111 46.0 35.3 52.9
 148 63.0 51.0 76.4



#69
 Naphthalene
 Concen: 11.796 ug/L
 RT: 14.11 min Scan# 3973
 Delta R.T. -0.01 min
 Lab File: VU038286.D
 Acq: 22 May 2020 18:39

Tgt Ion:128 Resp: 816437
 Ion Ratio Lower Upper
 128 100
 129 10.8 8.7 13.1
 127 13.1 10.2 15.4

