

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U052120\
 Data File : VU038265.D
 Acq On : 21 May 2020 15:30
 Operator : JC/MD
 Sample : L2724-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 22 01:05:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 22 01:03:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	397036	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	385958	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	183727	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	108165	2.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	59.60%
7) Chloroethane-d5	1.93	69	119528	3.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.20%
11) 1,1-Dichloroethene-d2	2.59	63	160542	2.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	52.80%#
20) 2-Butanone-d5	4.67	46	481802	53.77	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.54%
24) Chloroform-d	5.10	84	246235	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
26) 1,2-Dichloroethane-d4	5.74	65	147902	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
32) Benzene-d6	5.76	84	509785	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
36) 1,2-Dichloropropane-d6	6.72	67	171142	4.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.60%
41) Toluene-d8	7.92	98	443887	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.40%
43) trans-1,3-Dichloropropene-	8.20	79	60467	4.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.80%
46) 2-Hexanone-d5	8.65	63	411197	58.24	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	116.48%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	146798	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.60%
64) 1,2-Dichlorobenzene-d4	12.20	152	169816	4.75	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.00%

Target Compounds

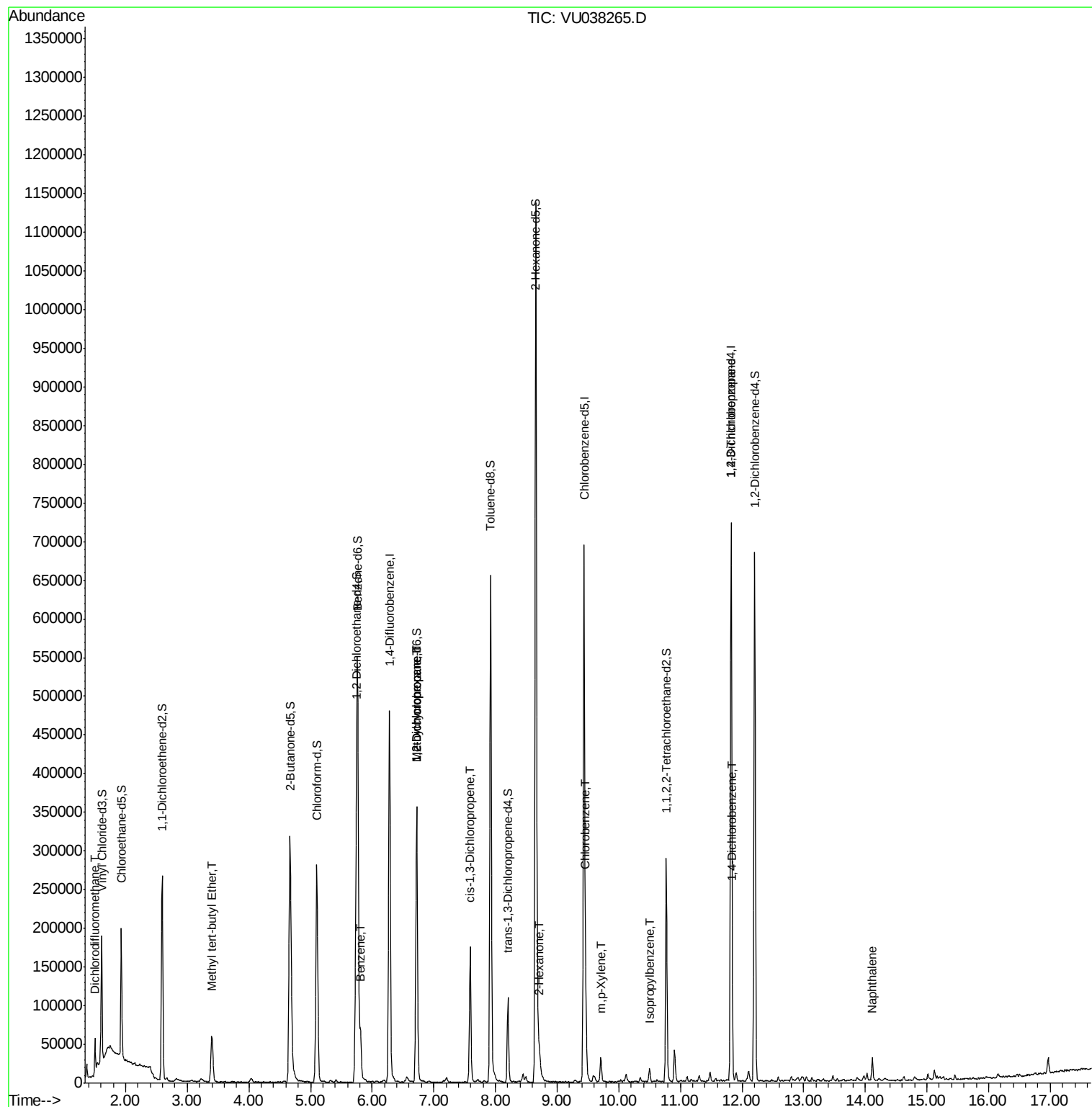
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.50	85	3343	0.092	ug/L	96
17) Methyl tert-butyl Ether	3.40	73	66411	0.867	ug/L	98
33) Benzene	5.81	78	64340	0.521	ug/L	100
35) Methylcyclohexane	6.72	83	39419	0.787	ug/L #	16
37) 1,2-Dichloropropane	6.72	63	18296	0.545	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	4240	0.088	ug/L #	78
48) 2-Hexanone	8.71	43	26943	1.581	ug/L	93
51) Chlorobenzene	9.47	112	45820	0.566	ug/L	96
53) m,p-Xylene	9.71	106	8351	0.154	ug/L	89
56) Isopropylbenzene	10.50	105	11424	0.085	ug/L	94
59) 1,2,3-Trichloropropane	11.82	75	25930	1.151	ug/L	90
63) 1,4-Dichlorobenzene	11.85	146	4523	0.075	ug/L	98
69) Naphthalene	14.11	128	22238	0.268	ug/L	98

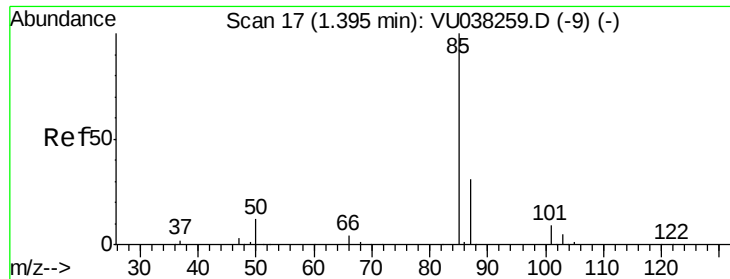
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.092 ug/L

RT: 1.50 min Scan# 51

Delta R.T. 0.11 min

Lab File: VU038265.D

Acq: 21 May 2020 15:30

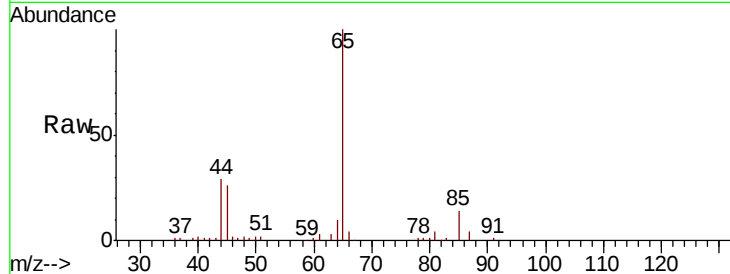
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 3343

Ion Ratio Lower Upper

85 100

87 30.5 26.2 39.4

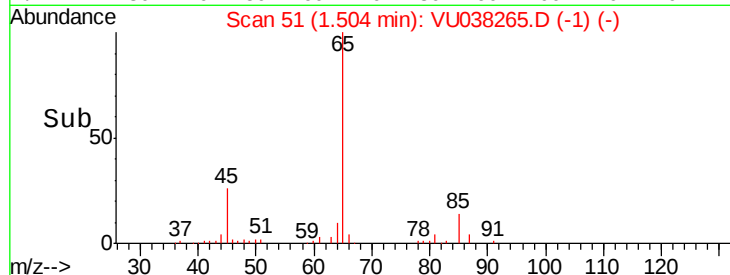


Abundance Ion 85.00 (84.70 to 85.70): VU038265.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU038265.D (-1) (-)

1.50

Time-->



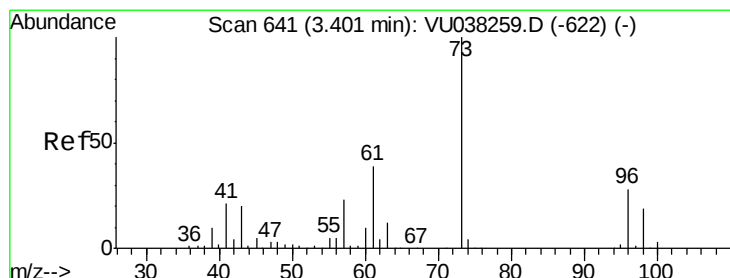
Abundance

Ion 85.00 (84.70 to 85.70): VU038265.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU038265.D (-1) (-)

1.50

Time-->



#17

Methyl tert-butyl Ether

Concen: 0.867 ug/L

RT: 3.40 min Scan# 640

Delta R.T. -0.00 min

Lab File: VU038265.D

Acq: 21 May 2020 15:30

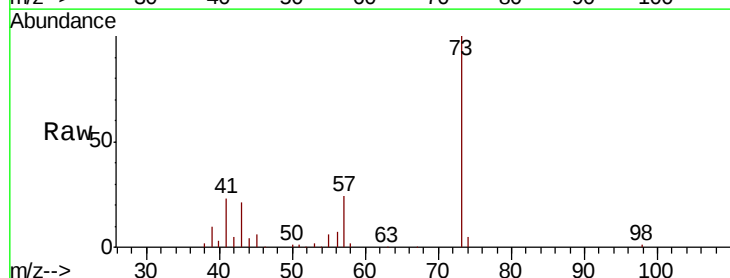
Tgt Ion: 73 Resp: 66411

Ion Ratio Lower Upper

73 100

43 21.2 16.9 25.3

57 24.8 18.2 27.2



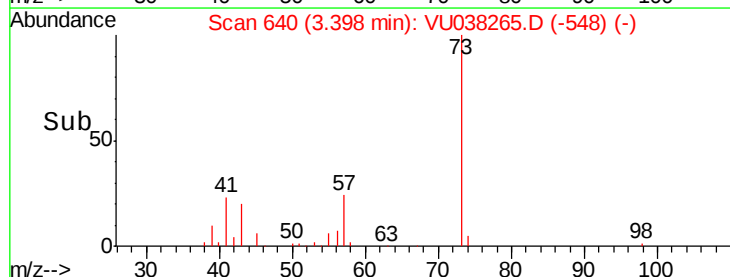
Abundance Ion 73.10 (72.80 to 73.80): VU038265.D (-548) (-)

Ion 43.05 (42.75 to 43.75): VU038265.D (-548) (-)

Ion 57.10 (56.80 to 57.80): VU038265.D (-548) (-)

3.40

Time-->



Abundance

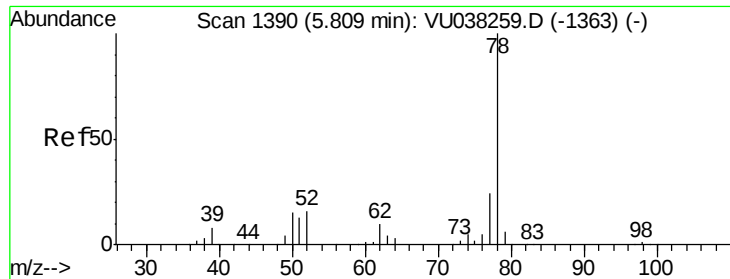
Ion 73.10 (72.80 to 73.80): VU038265.D (-548) (-)

Ion 43.05 (42.75 to 43.75): VU038265.D (-548) (-)

Ion 57.10 (56.80 to 57.80): VU038265.D (-548) (-)

3.40

Time-->



#33

Benzene

Concen: 0.521 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU038265.D

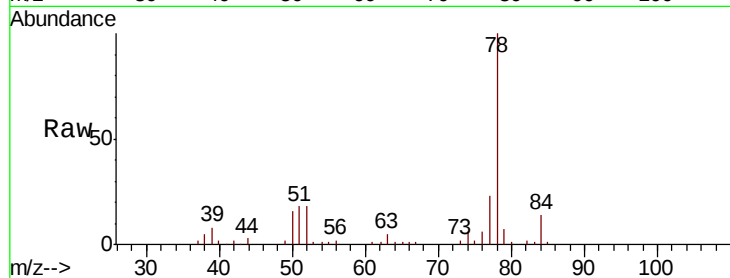
Acq: 21 May 2020 15:30

Instrument :

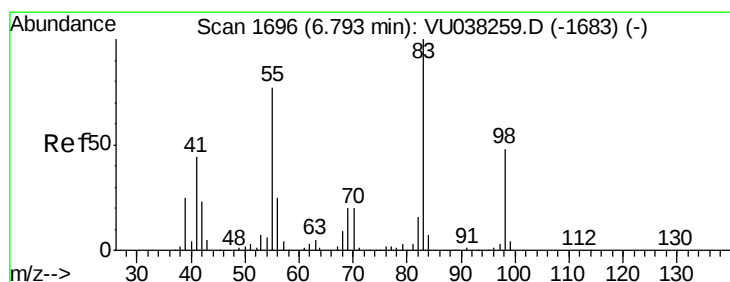
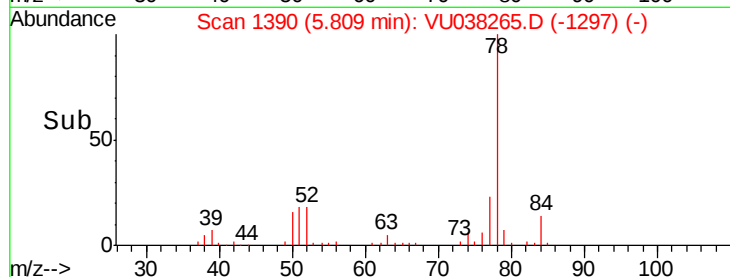
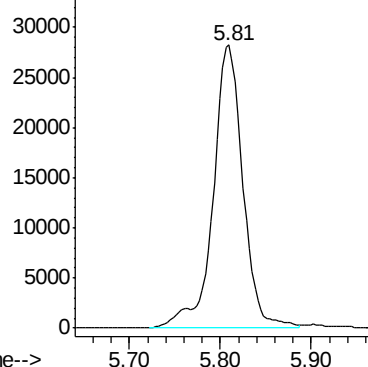
MSVOA_U

ClientSampled :

Tgt Ion: 78 Resp: 64340



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.787 ug/L

RT: 6.72 min Scan# 1673

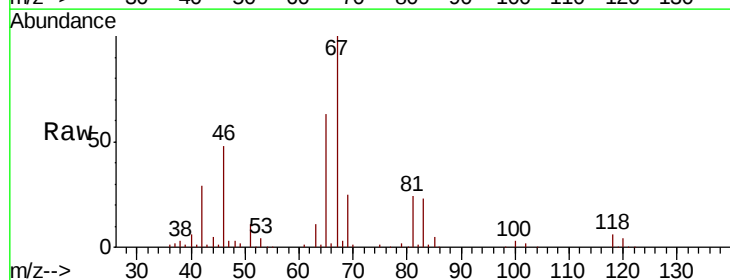
Delta R.T. -0.07 min

Lab File: VU038265.D

Acq: 21 May 2020 15:30

Tgt Ion: 83 Resp: 39419

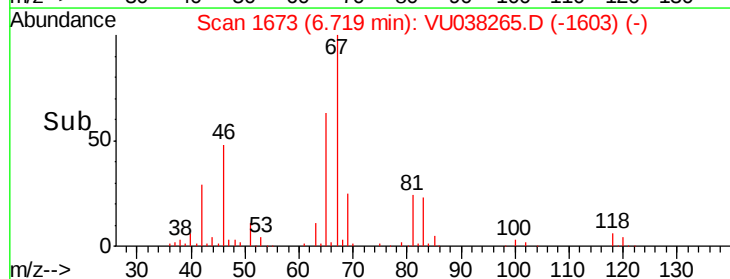
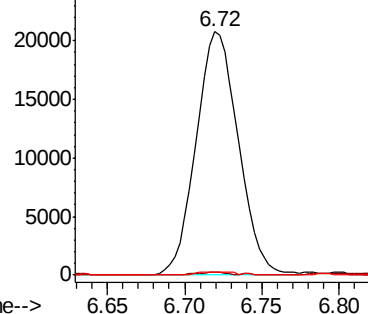
Ion	Ratio	Lower	Upper
83	100		
55	0.7	66.7	100.1#
98	0.6	39.4	59.2#

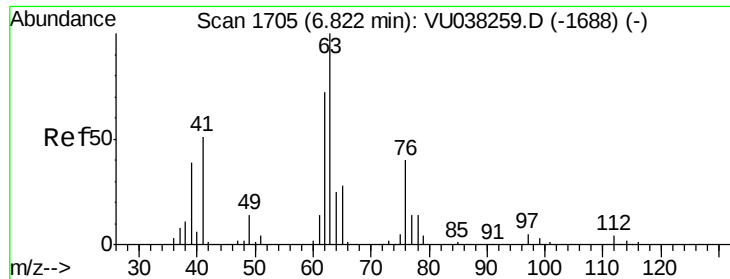


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

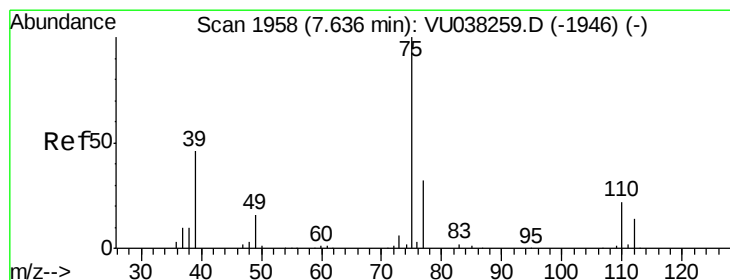
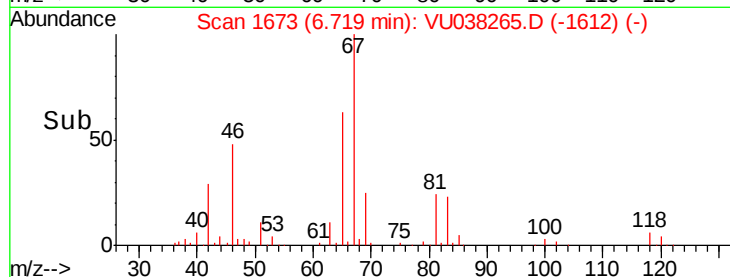
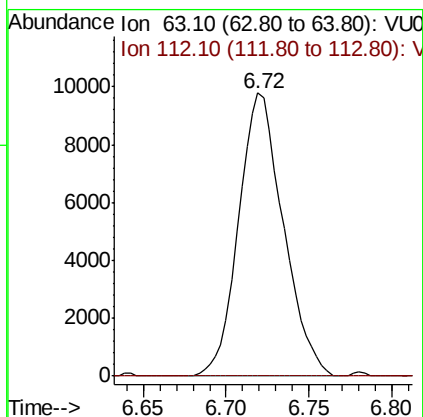
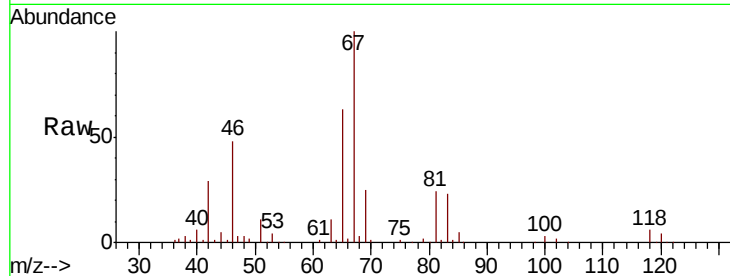




#37
 1,2-Dichloropropane
 Concen: 0.545 ug/L
 RT: 6.72 min Scan# 1673
 Delta R.T. -0.10 min
 Lab File: VU038265.D
 Acq: 21 May 2020 15:30

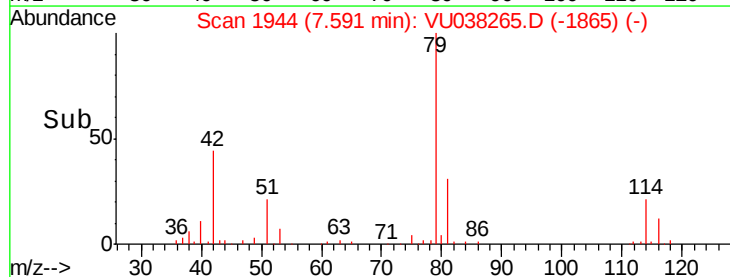
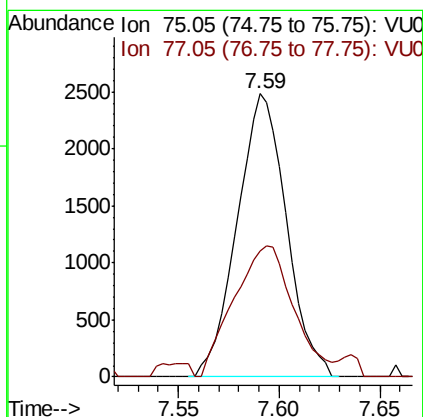
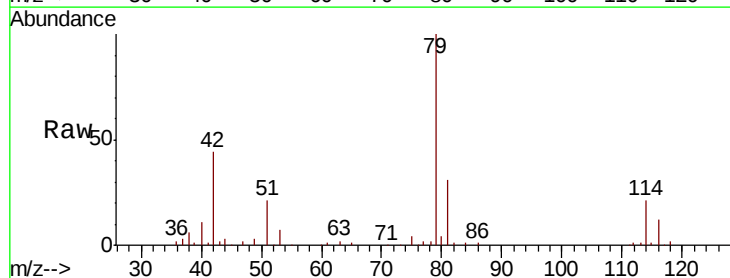
Instrument :
 MSVOA_U
 ClientSampleId :

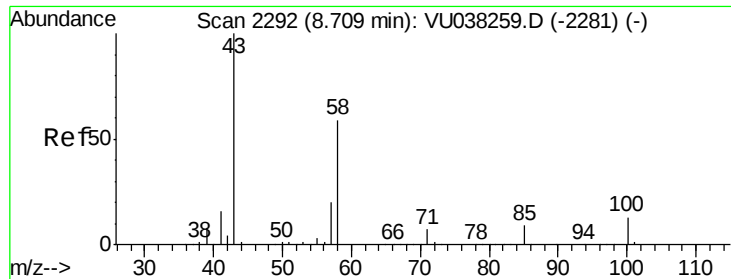
Tot Ion: 63 Resp: 18296
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.088 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU038265.D
 Acq: 21 May 2020 15:30

Tgt Ion: 75 Resp: 4240
 Ion Ratio Lower Upper
 75 100
 77 44.4 22.4 41.6#





#48

2-Hexanone

Concen: 1.581 ug/L

RT: 8.71 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VU038265.D

Acq: 21 May 2020 15:30

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 26943

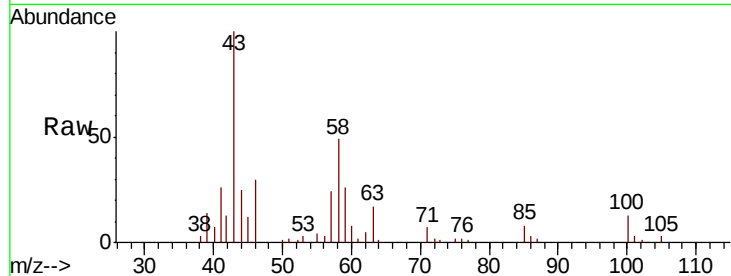
Ion Ratio Lower Upper

43 100

58 50.3 45.2 67.8

57 21.6 15.5 23.3

100 12.5 9.5 14.3

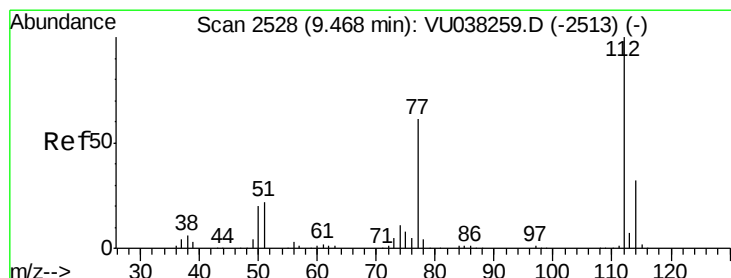
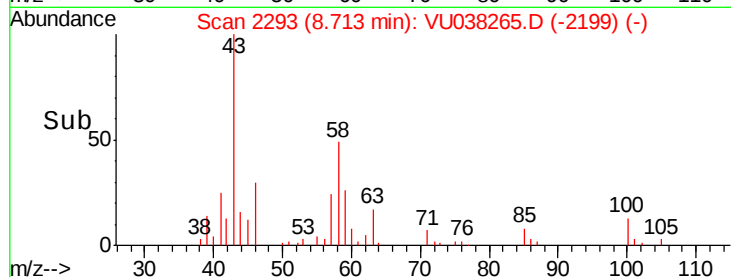
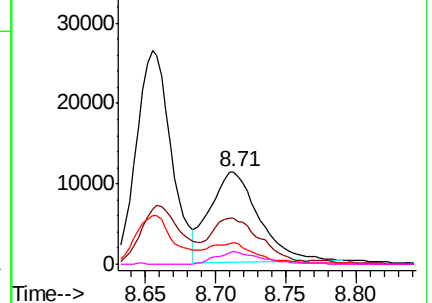


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0



#51

Chlorobenzene

Concen: 0.566 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU038265.D

Acq: 21 May 2020 15:30

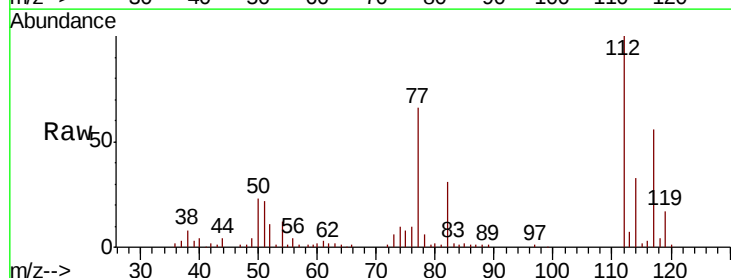
Tgt Ion: 112 Resp: 45820

Ion Ratio Lower Upper

112 100

114 33.1 22.5 41.7

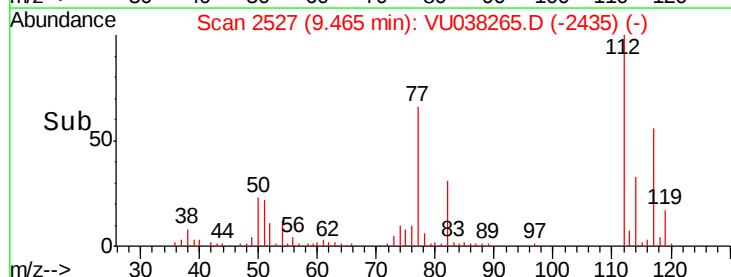
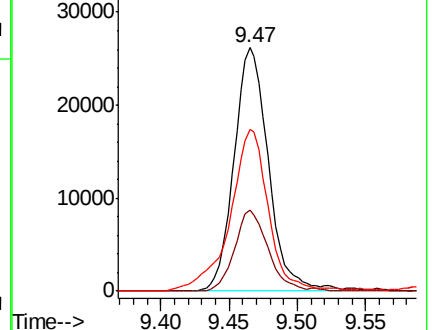
77 66.3 49.9 74.9

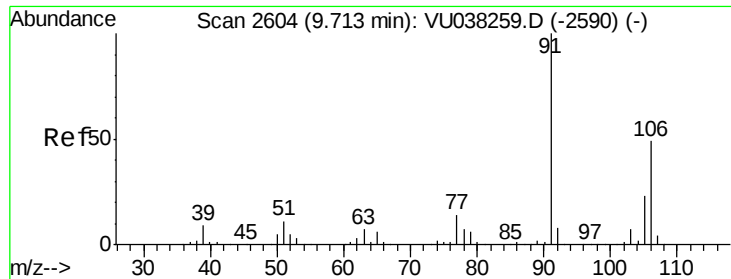


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0





#53

m,p-Xylene

Concen: 0.154 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038265.D

Acq: 21 May 2020 15:30

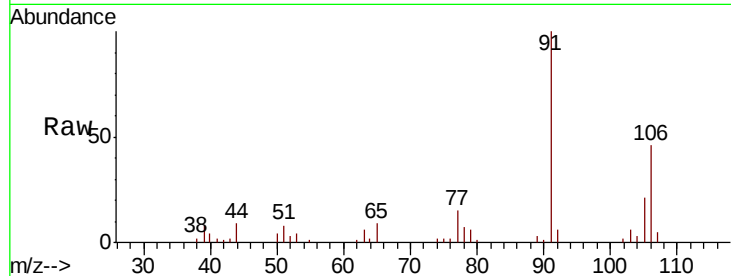
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 8351

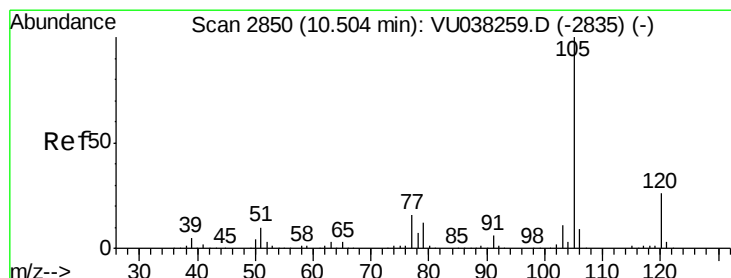
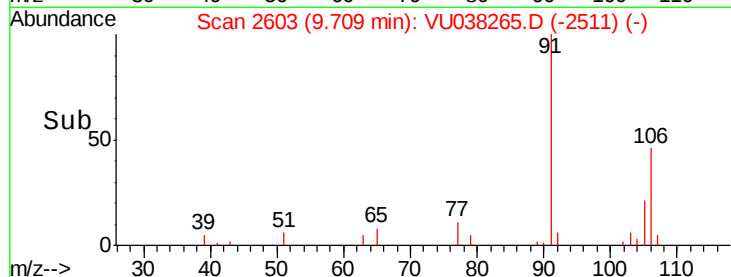
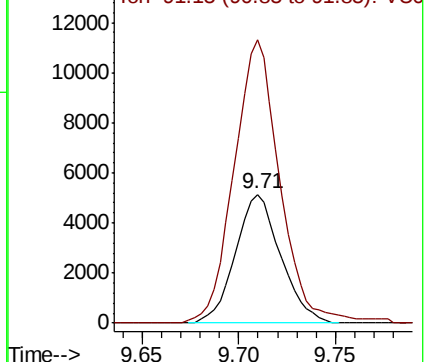
Ion Ratio Lower Upper

106 100

91 219.7 142.1 263.9



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



#56

Isopropylbenzene

Concen: 0.085 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU038265.D

Acq: 21 May 2020 15:30

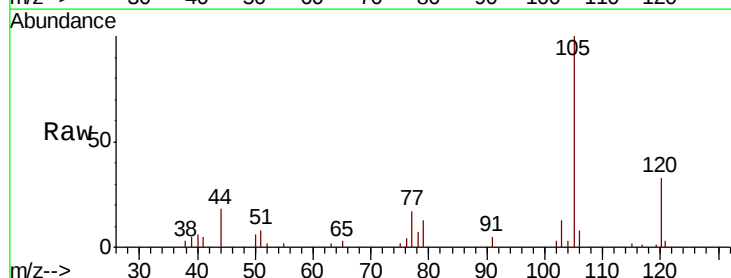
Tgt Ion:105 Resp: 11424

Ion Ratio Lower Upper

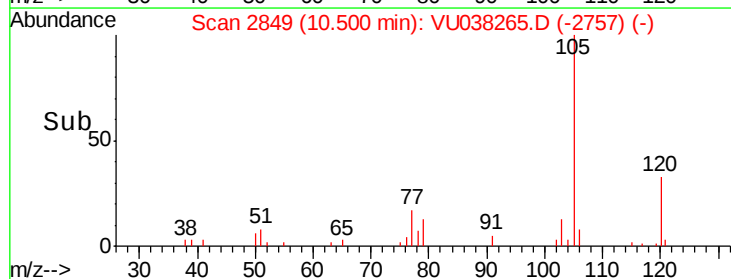
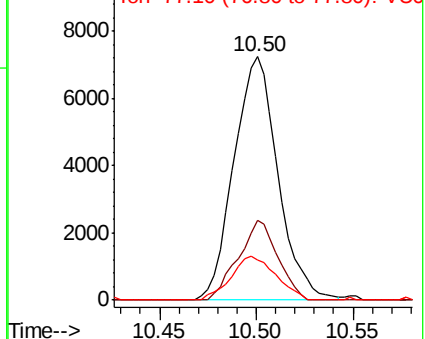
105 100

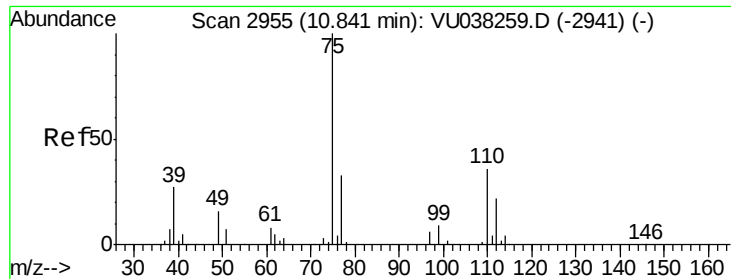
120 29.4 21.0 31.6

77 18.3 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

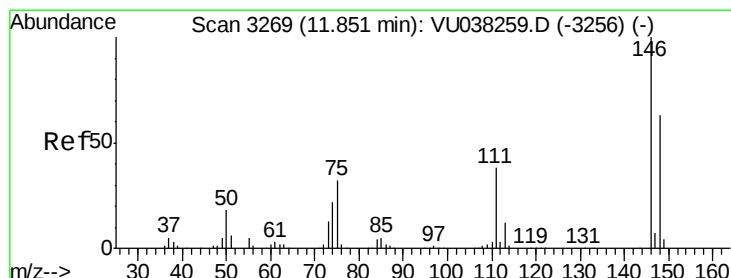
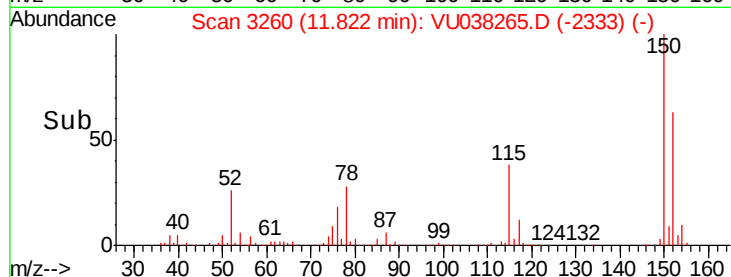
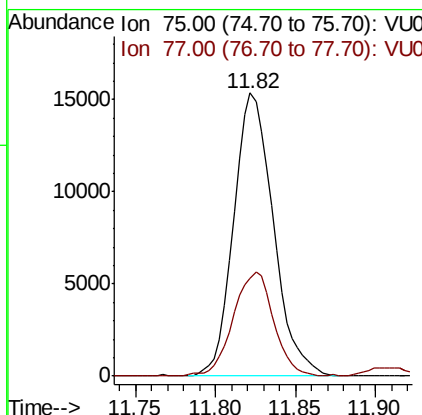
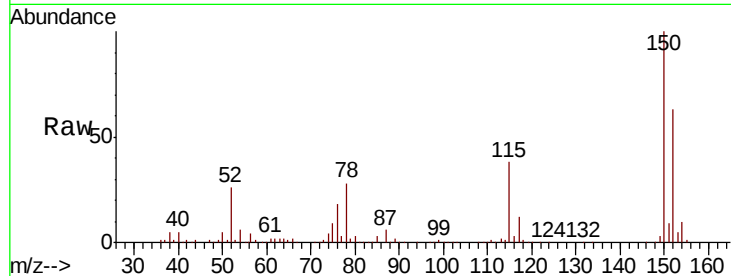




#59
 1,2,3-Trichloropropane
 Concen: 1.151 ug/L
 RT: 11.82 min Scan# 3260
 Delta R.T. 0.98 min
 Lab File: VU038265.D
 Acq: 21 May 2020 15:30

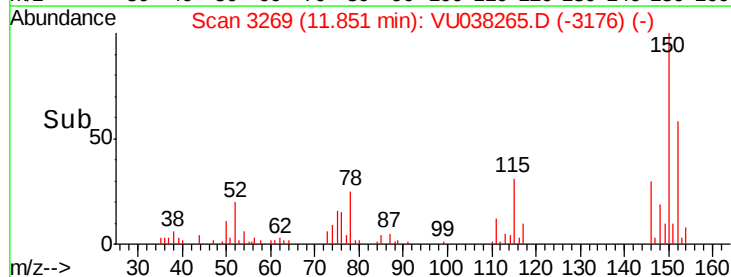
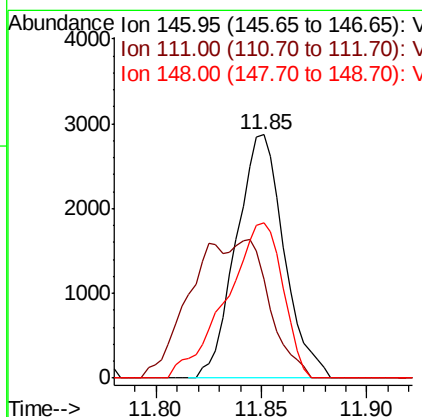
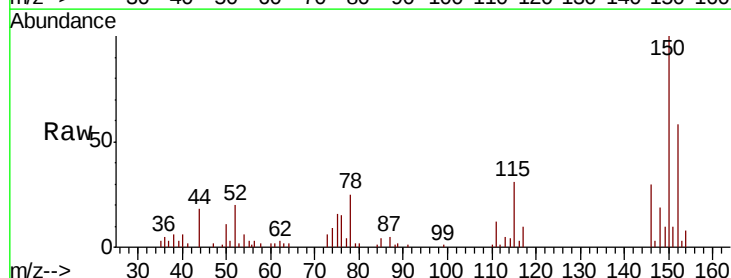
Instrument :
 MSVOA_U
 ClientSampleId :

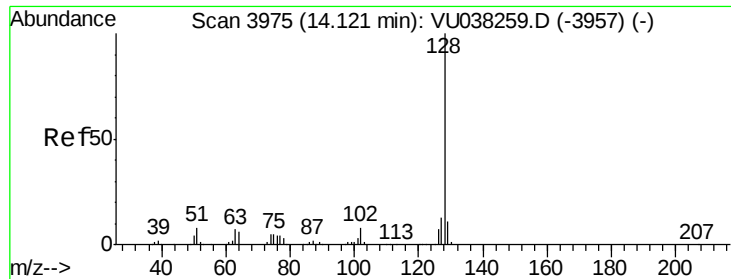
Tot Ion: 75 Resp: 25930
 Ion Ratio Lower Upper
 75 100
 77 37.4 25.4 38.0



#63
 1,4-Dichlorobenzene
 Concen: 0.075 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU038265.D
 Acq: 21 May 2020 15:30

Tgt Ion: 146 Resp: 4523
 Ion Ratio Lower Upper
 146 100
 111 40.8 27.2 50.6
 148 63.7 43.8 81.3





#69

Naphthalene

Concen: 0.268 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VU038265.D

Acq: 21 May 2020 15:30

Instrument :

MSVOA_U

ClientSampleId :

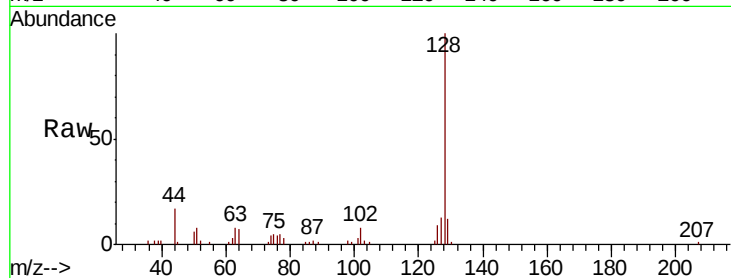
Tot Ion:128 Resp: 22238

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

127 13.9 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

