

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061020\
 Data File : VU038756.D
 Acq On : 10 Jun 2020 04:43
 Operator : SY/MD
 Sample : L2913-05 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9D84DL

Quant Time: Jun 10 06:38:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 10 06:36:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	528660	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.43	117	511603	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	242934	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	129192	43.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.48%
7) Chloroethane-d5	1.93	69	117175	51.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.28%
11) 1,1-Dichloroethene-d2	2.59	63	215777	33.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.04%
21) 2-Butanone-d5	4.66	46	334719	116.49	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.49%
24) Chloroform-d	5.10	84	324465	50.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.90%
26) 1,2-Dichloroethane-d4	5.74	65	227404	53.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.76%
32) Benzene-d6	5.76	84	639202	51.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.74%
36) 1,2-Dichloropropane-d6	6.72	67	202472	53.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.62%
41) Toluene-d8	7.92	98	540629	48.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.10%
43) trans-1,3-Dichloropropene-	8.20	79	95336	49.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.72%
47) 2-Hexanone-d5	8.65	63	238766	118.10	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	118.10%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	304498	53.75	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.50%
64) 1,2-Dichlorobenzene-d4	12.20	152	232442	55.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.22%

Target Compounds

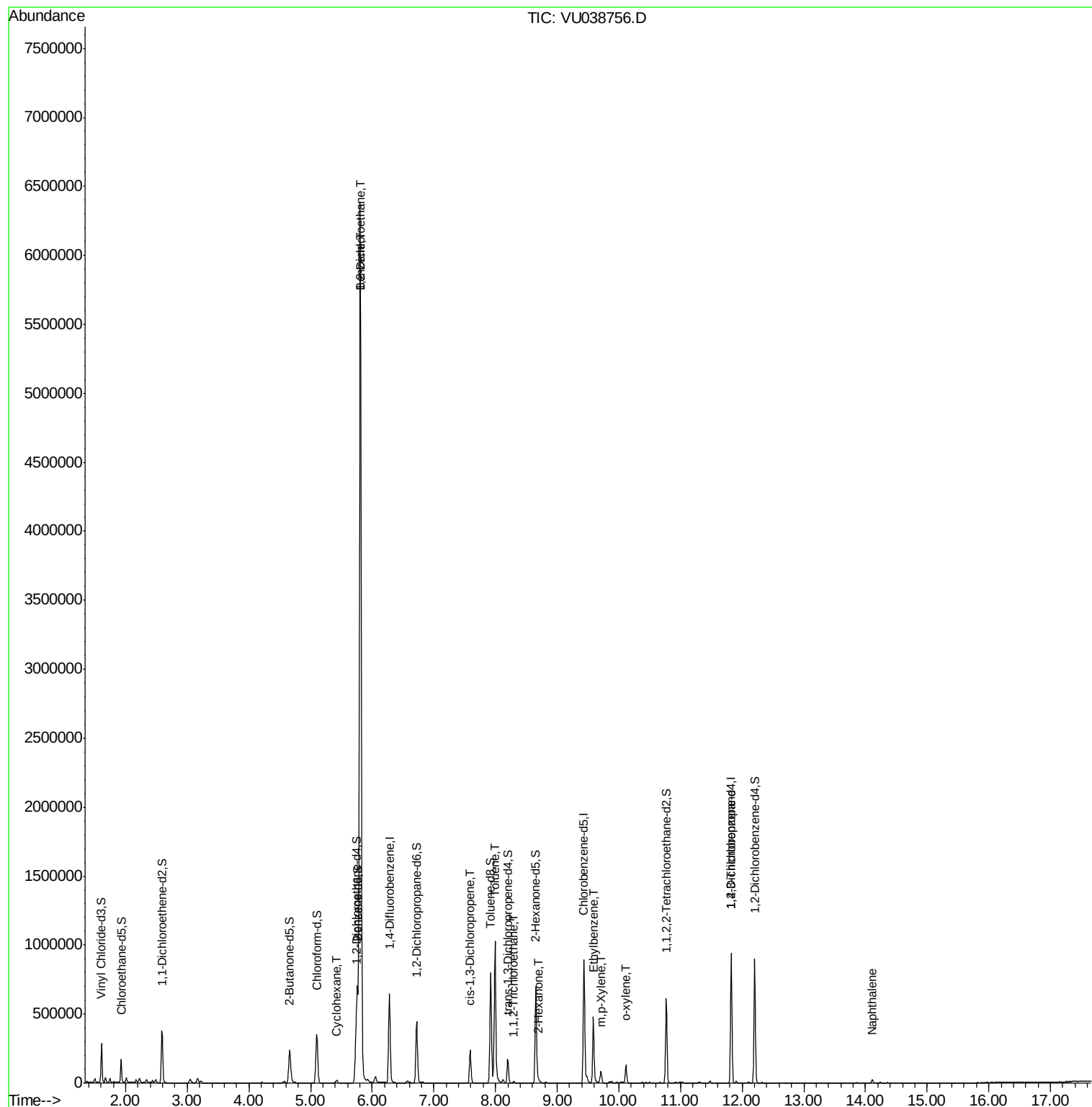
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
27) 1,2-Dichloroethane	5.82	62	79142	13.777	ug/L #	81
29) Cyclohexane	5.42	56	9059	1.548	ug/L #	91
33) Benzene	5.81	78	6034948	397.236	ug/L	100
39) cis-1,3-Dichloropropene	7.59	75	6046	0.990	ug/L #	72
42) Toluene	7.99	91	772562	48.634	ug/L	99
45) 1,1,2-Trichloroethane	8.29	97	9349	2.454	ug/L #	18
48) 2-Hexanone	8.70	43	13957	2.728	ug/L	91
52) Ethylbenzene	9.59	91	347603	19.827	ug/L	99
53) m,p-Xylene	9.71	106	25387	3.772	ug/L	88
54) o-xylene	10.11	106	34273	5.246	ug/L	96
59) 1,2,3-Trichloropropane	11.82	75	30875	5.562	ug/L	90
69) Naphthalene	14.11	128	18314	1.020	ug/L	99

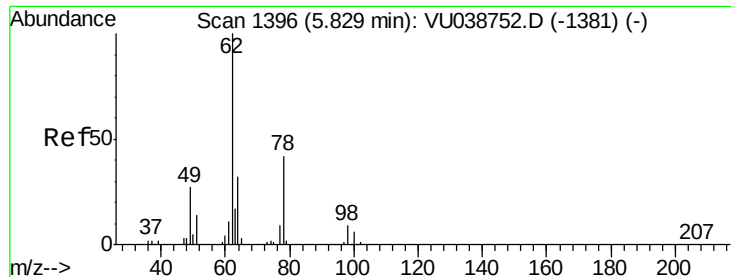
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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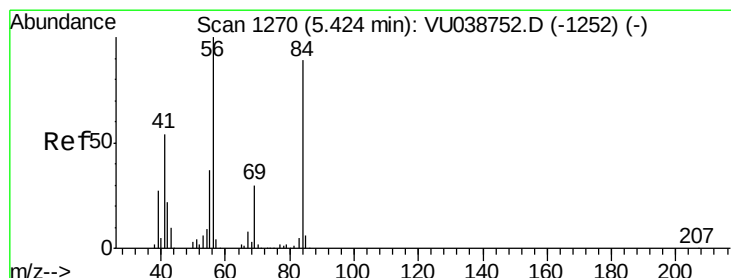
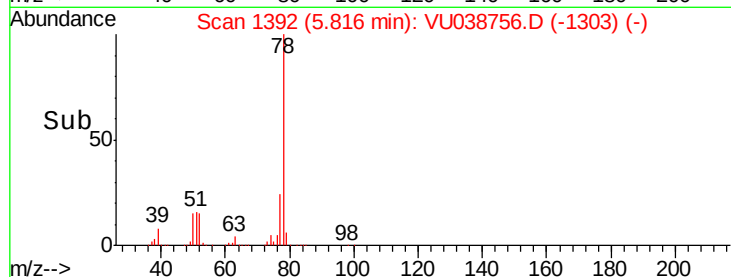
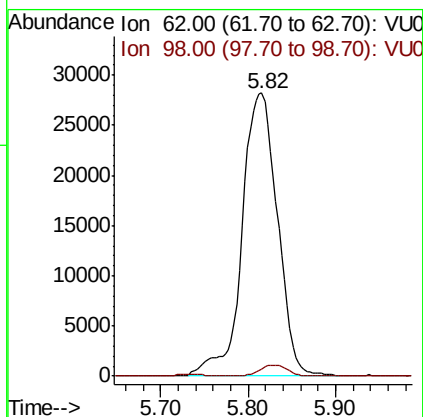
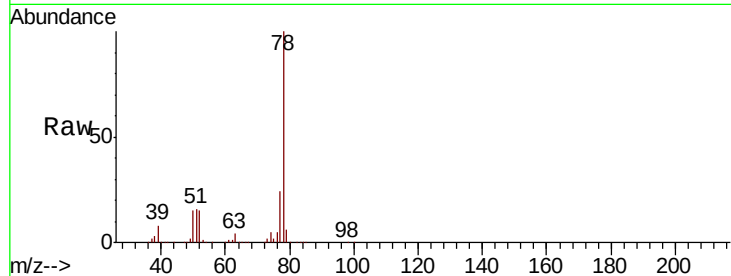




#27
 1,2-Dichloroethane
 Concen: 13.777 ug/L
 RT: 5.82 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VU038756.D
 Acq: 10 Jun 2020 04:43

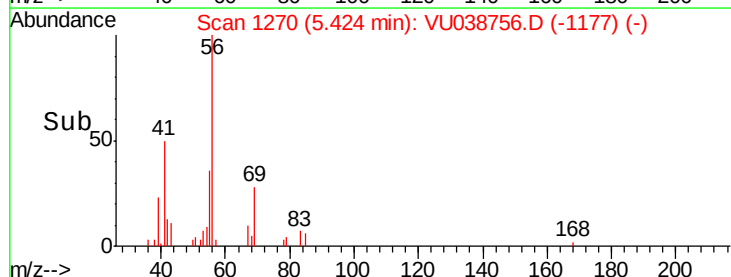
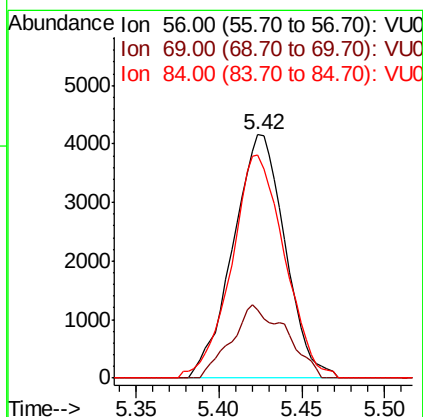
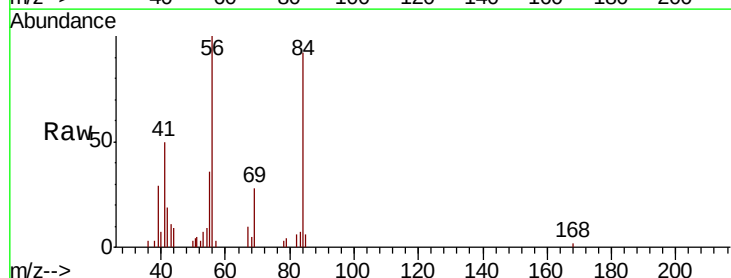
Instrument :
 MSVOA_U
 ClientSampleId :
 F9D84DL

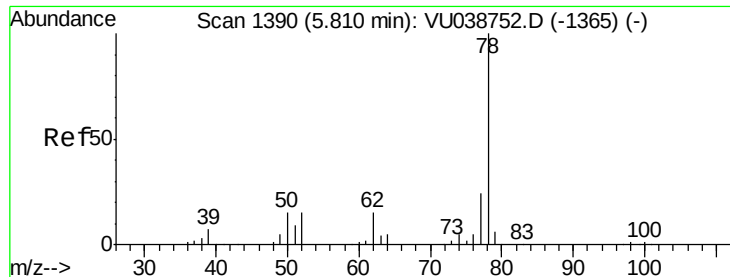
Tot Ion: 62 Resp: 79142
 Ion Ratio Lower Upper
 62 100
 98 2.7 7.8 11.6#



#29
 Cyclohexane
 Concen: 1.548 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU038756.D
 Acq: 10 Jun 2020 04:43

Tgt Ion: 56 Resp: 9059
 Ion Ratio Lower Upper
 56 100
 69 22.3 25.1 37.7#
 84 93.4 70.5 105.7





#33

Benzene

Concen: 397.236 ug/L

RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VU038756.D

Acq: 10 Jun 2020 04:43

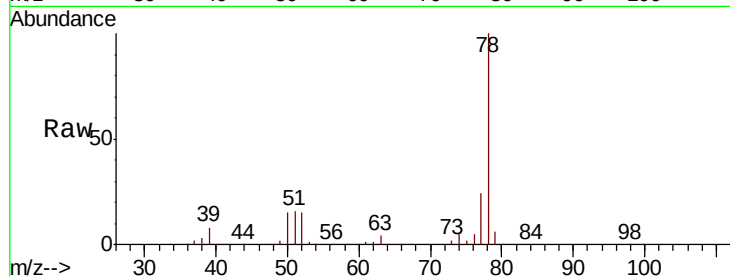
Instrument :

MSVOA_U

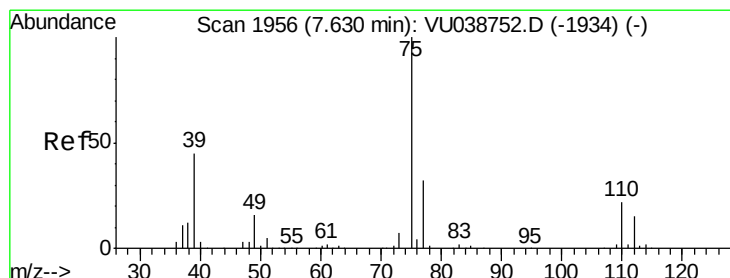
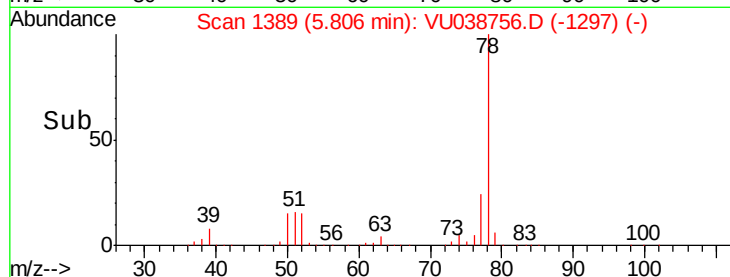
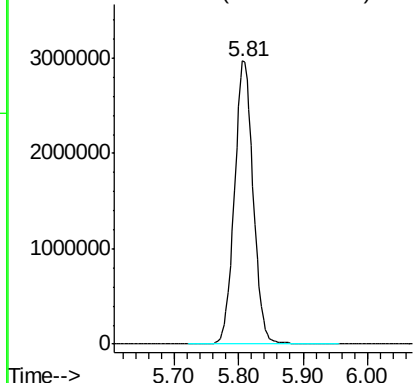
ClientSampleId :

F9D84DL

Tgt Ion: 78 Resp: 6034948



Abundance Ion 78.00 (77.70 to 78.70): VU0



#39

cis-1,3-Dichloropropene

Concen: 0.990 ug/L

RT: 7.59 min Scan# 1944

Delta R.T. -0.04 min

Lab File: VU038756.D

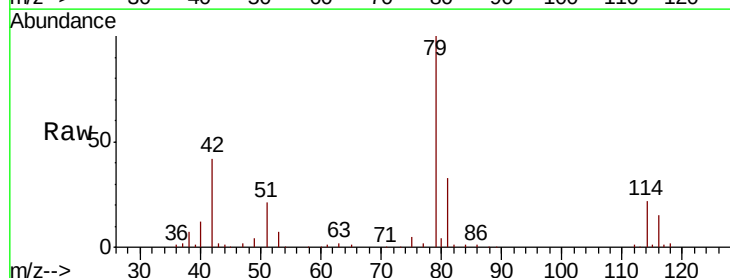
Acq: 10 Jun 2020 04:43

Tgt Ion: 75 Resp: 6046

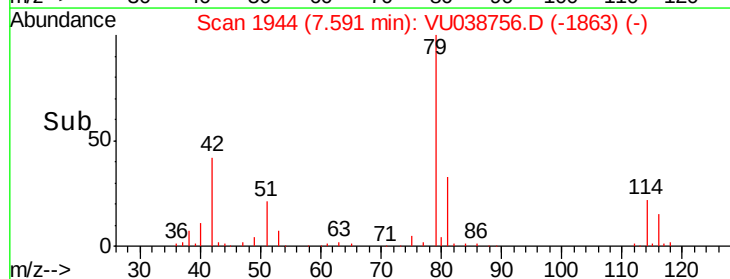
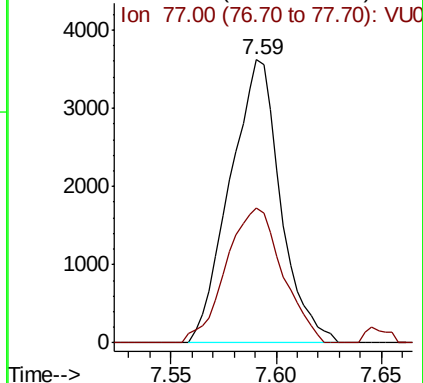
Ion Ratio Lower Upper

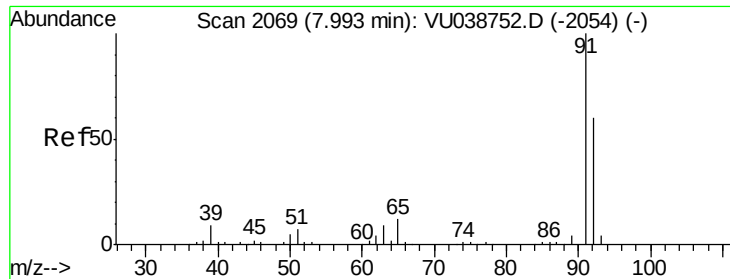
75 100

77 47.5 22.2 41.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0





#42

Toluene

Concen: 48.634 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038756.D

Acq: 10 Jun 2020 04:43

Instrument :

MSVOA_U

ClientSampleId :

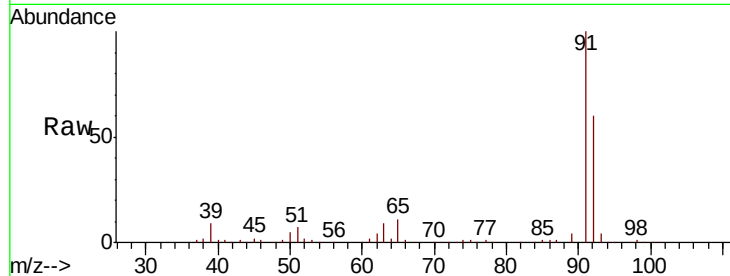
F9D84DL

Tot Ion: 91 Resp: 772562

Ion Ratio Lower Upper

91 100

92 59.7 42.2 78.4



Abundance Ion 91.00 (90.70 to 91.70): VU038752.D (-2054) (-)

Ion 92.00 (91.70 to 92.70): VU038756.D (-1976) (-)

7.99

400000

300000

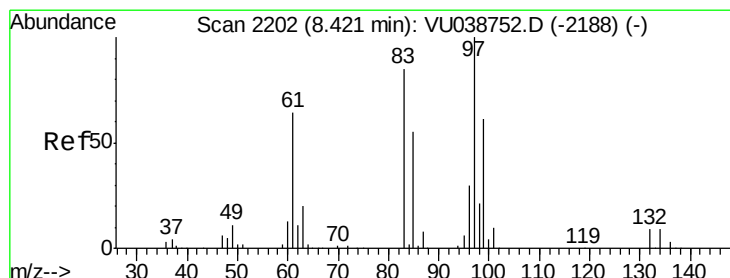
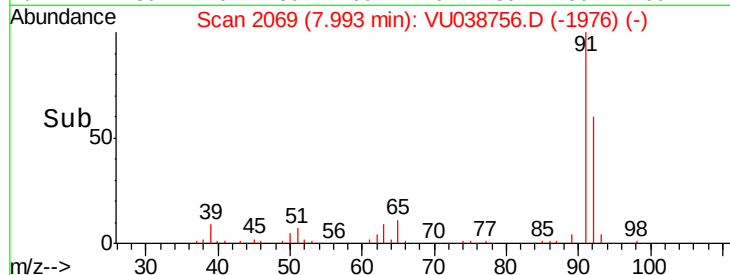
200000

100000

0

Time-->

7.90 7.95 8.00 8.05 8.10



#45

1,1,2-Trichloroethane

Concen: 2.454 ug/L

RT: 8.29 min Scan# 2163

Delta R.T. -0.13 min

Lab File: VU038756.D

Acq: 10 Jun 2020 04:43

Tgt Ion: 97 Resp: 9349

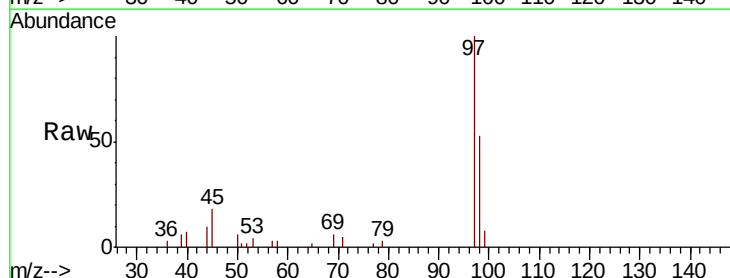
Ion Ratio Lower Upper

97 100

99 7.7 43.6 81.0#

83 0.0 60.0 111.4#

85 0.0 38.4 71.2#



Abundance Ion 97.00 (96.70 to 97.70): VU038752.D (-2188) (-)

Ion 99.00 (98.70 to 99.70): VU038756.D (-2109) (-)

Ion 83.00 (82.70 to 83.70): VU038756.D (-2109) (-)

Ion 85.00 (84.70 to 85.70): VU038756.D (-2109) (-)

8.29

8000

6000

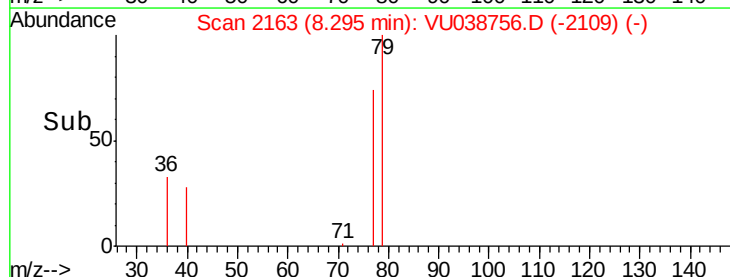
4000

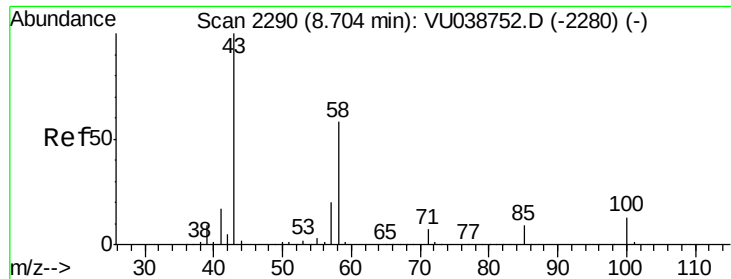
2000

0

Time-->

8.25 8.30 8.35

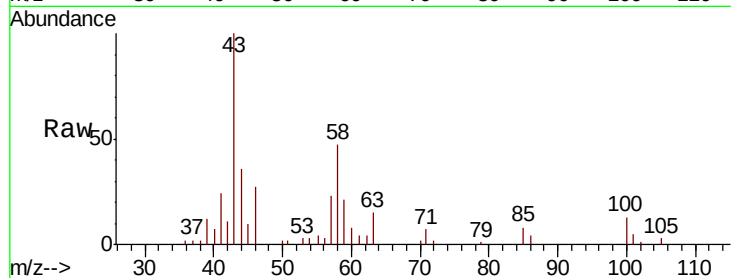




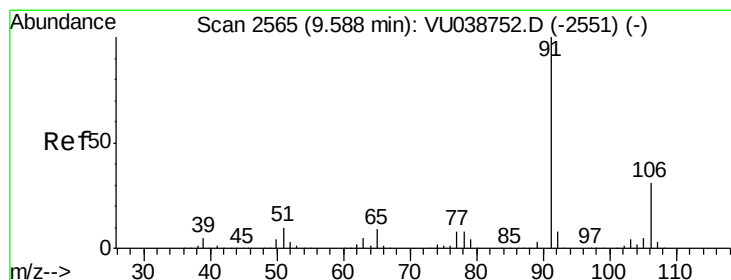
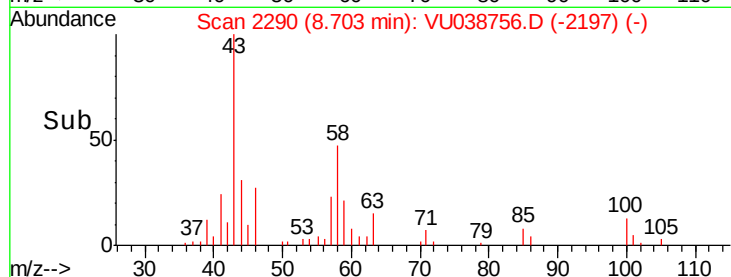
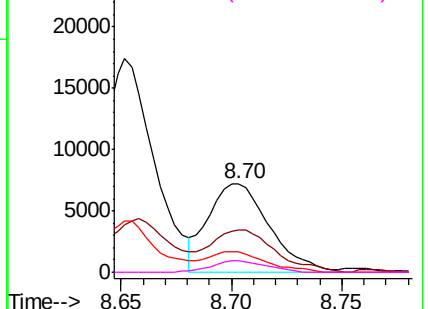
#48
2-Hexanone
Concen: 2.728 ug/L
RT: 8.70 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU038756.D
Acq: 10 Jun 2020 04:43

Instrument :
MSVOA_U
ClientSampled :
F9D84DL

Tot Ion:	43	Resp:	13957
Ion	Ratio	Lower	Upper
43	100		
58	49.1	46.2	69.4
57	21.9	16.6	24.8
100	11.5	10.6	16.0

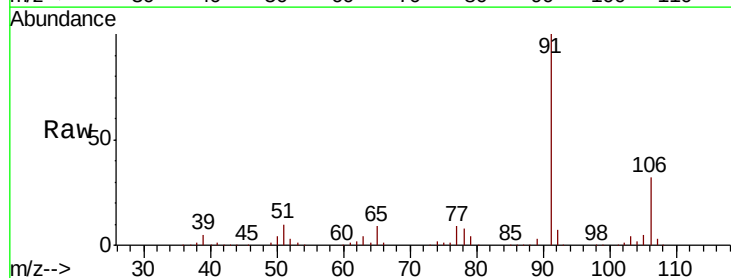


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

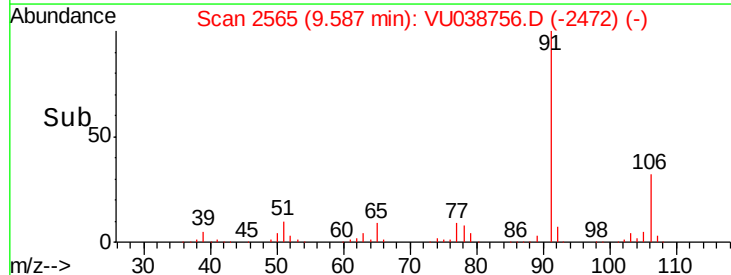
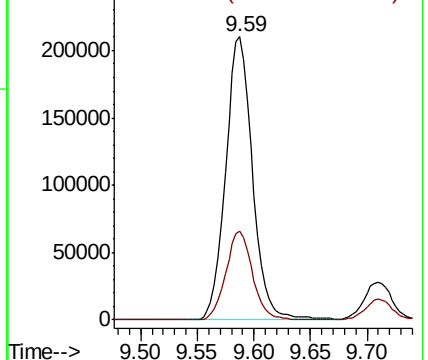


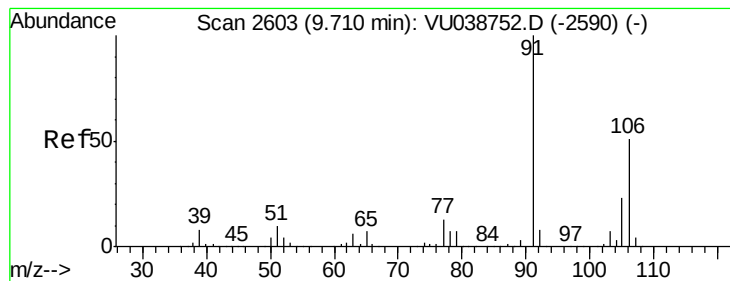
#52
Ethylbenzene
Concen: 19.827 ug/L
RT: 9.59 min Scan# 2565
Delta R.T. -0.00 min
Lab File: VU038756.D
Acq: 10 Jun 2020 04:43

Tgt Ion:	91	Resp:	347603
Ion	Ratio	Lower	Upper
91	100		
106	31.5	21.5	39.9



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 106.00 (105.70 to 106.70): VU0





#53

m,p-Xylene

Concen: 3.772 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038756.D

Acq: 10 Jun 2020 04:43

Instrument :

MSVOA_U

ClientSampleId :

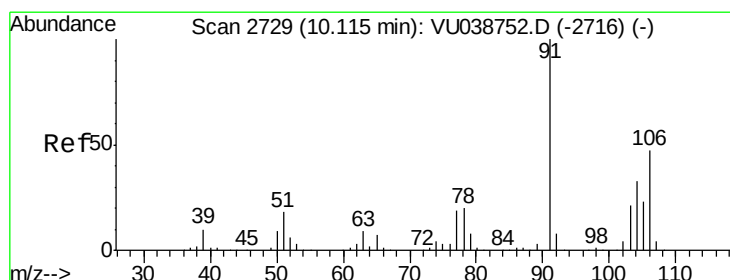
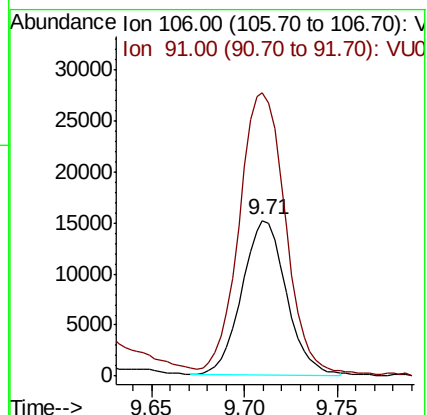
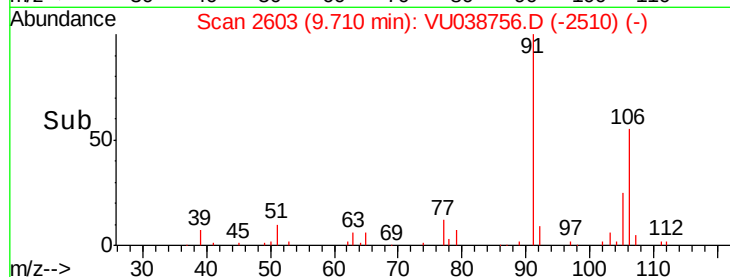
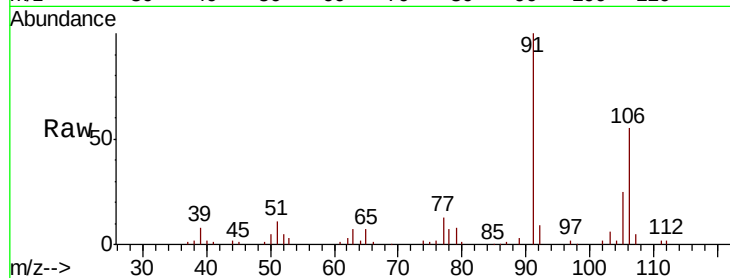
F9D84DL

Tot Ion:106 Resp: 25387

Ion Ratio Lower Upper

106 100

91 181.5 140.1 260.3



#54

o-xylene

Concen: 5.246 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU038756.D

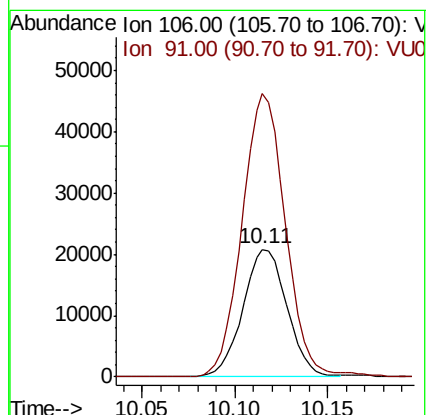
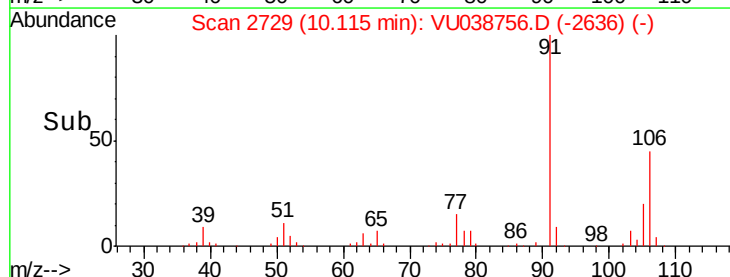
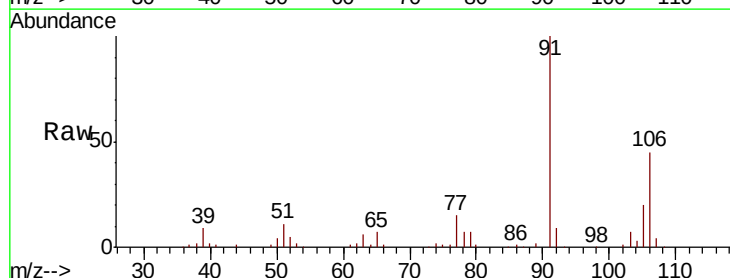
Acq: 10 Jun 2020 04:43

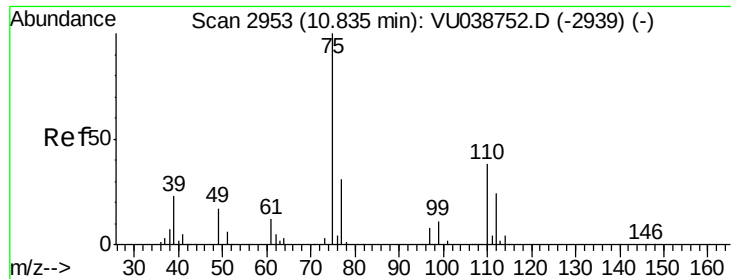
Tgt Ion:106 Resp: 34273

Ion Ratio Lower Upper

106 100

91 222.0 151.2 280.8

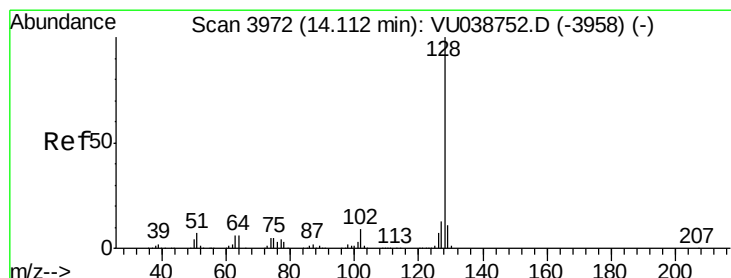
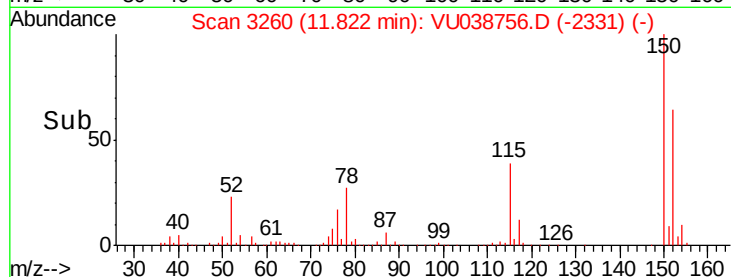
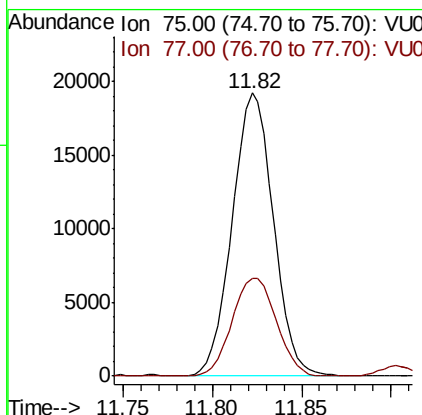
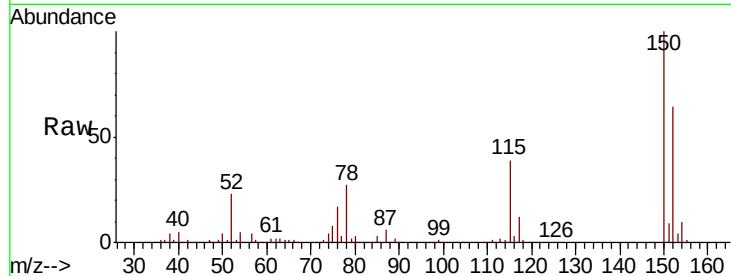




#59
 1,2,3-Trichloropropane
 Concen: 5.562 ug/L
 RT: 11.82 min Scan# 3260
 Delta R.T. 0.99 min
 Lab File: VU038756.D
 Acq: 10 Jun 2020 04:43

Instrument :
 MSVOA_U
 ClientSampleId :
 F9D84DL

Tot Ion: 75 Resp: 30875
 Ion Ratio Lower Upper
 75 100
 77 37.1 25.3 37.9



#69
 Naphthalene
 Concen: 1.020 ug/L
 RT: 14.11 min Scan# 3973
 Delta R.T. 0.00 min
 Lab File: VU038756.D
 Acq: 10 Jun 2020 04:43

Tgt Ion: 128 Resp: 18314
 Ion Ratio Lower Upper
 128 100
 127 13.0 10.6 16.0
 129 11.2 8.6 12.8

