

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061120\
 Data File : VU038806.D
 Acq On : 11 Jun 2020 03:45
 Operator : SY/MD
 Sample : L2915-13 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9E21

Quant Time: Jun 11 07:14:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 11 07:12:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	559130	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.43	117	549439	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	263525	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	176910	56.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	113.26%
7) Chloroethane-d5	1.93	69	145381	59.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	119.98%
11) 1,1-Dichloroethene-d2	2.59	63	282147	41.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.88%
21) 2-Butanone-d5	4.66	46	361138	118.83	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	118.83%
24) Chloroform-d	5.10	84	365421	54.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.52%
26) 1,2-Dichloroethane-d4	5.74	65	253217	56.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.44%
32) Benzene-d6	5.76	84	739173	55.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.70%
36) 1,2-Dichloropropane-d6	6.72	67	226497	55.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	111.06%
41) Toluene-d8	7.92	98	637457	53.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.60%
43) trans-1,3-Dichloropropene-	8.20	79	108226	52.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.40%
47) 2-Hexanone-d5	8.65	63	259276	119.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	119.42%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	324014	53.25	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.50%
64) 1,2-Dichlorobenzene-d4	12.20	152	263167	57.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	115.04%

Target Compounds

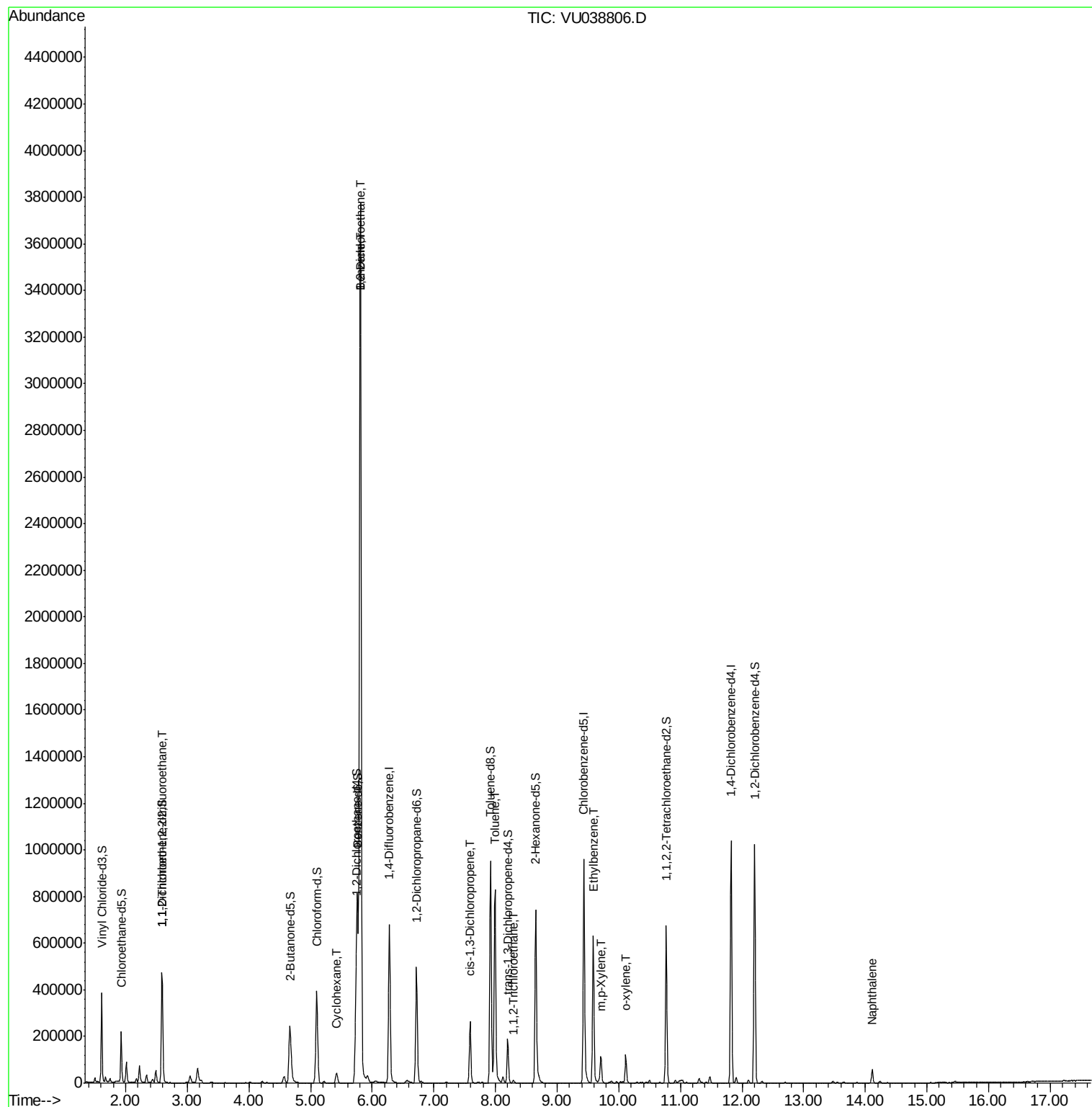
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2653	0.739	ug/L #	21
27) 1,2-Dichloroethane	5.81	62	31814	5.236	ug/L #	74
29) Cyclohexane	5.42	56	20109	3.199	ug/L	96
33) Benzene	5.81	78	3587152	219.856	ug/L	100
39) cis-1,3-Dichloropropene	7.59	75	6865	1.047	ug/L #	68
42) Toluene	7.99	91	622782	36.505	ug/L	100
45) 1,1,2-Trichloroethane	8.29	97	8289	2.026	ug/L #	20
52) Ethylbenzene	9.59	91	454683	24.149	ug/L	99
53) m,p-Xylene	9.71	106	31329	4.335	ug/L	98
54) o-xylene	10.11	106	31858	4.541	ug/L	100
69) Naphthalene	14.11	128	47436	2.436	ug/L	98

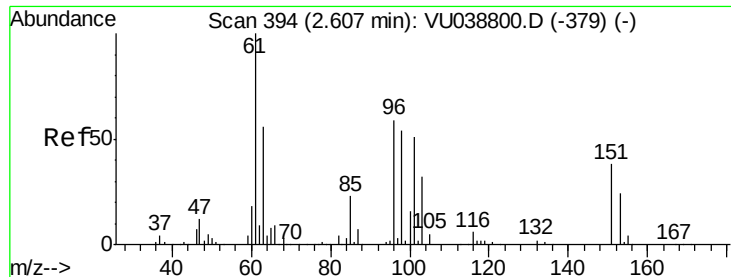
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.739 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.02 min

Lab File: VU038806.D

Acq: 11 Jun 2020 03:45

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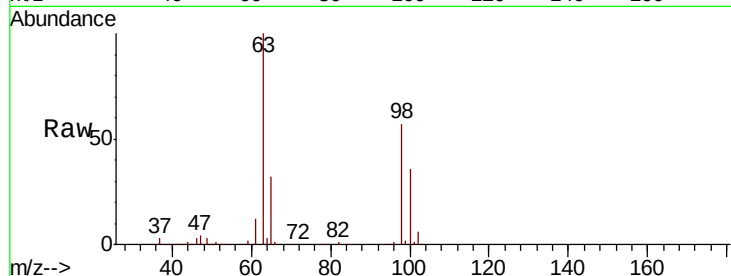
Tot Ion:101 Resp: 2653

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

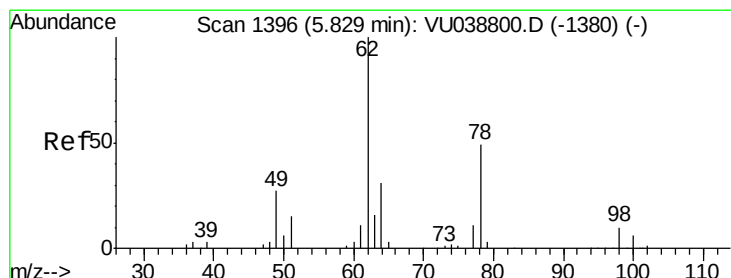
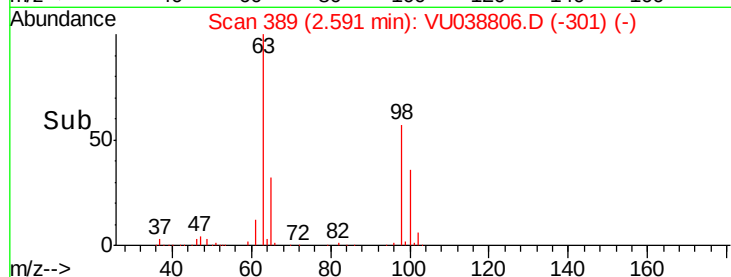
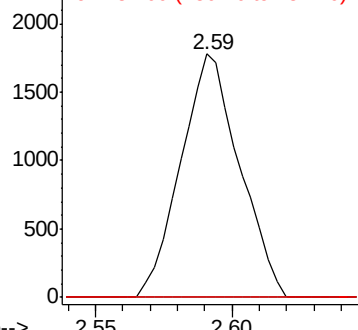
151 0.0 57.4 86.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#27

1,2-Dichloroethane

Concen: 5.236 ug/L

RT: 5.81 min Scan# 1389

Delta R.T. -0.02 min

Lab File: VU038806.D

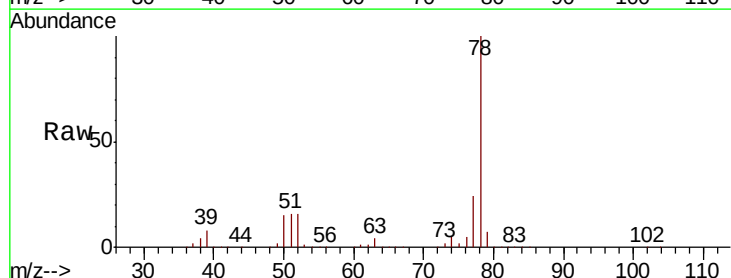
Acq: 11 Jun 2020 03:45

Tgt Ion: 62 Resp: 31814

Ion Ratio Lower Upper

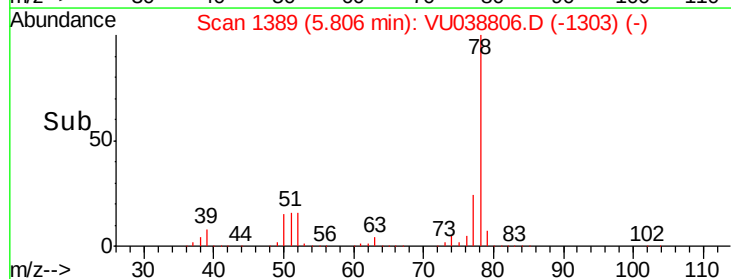
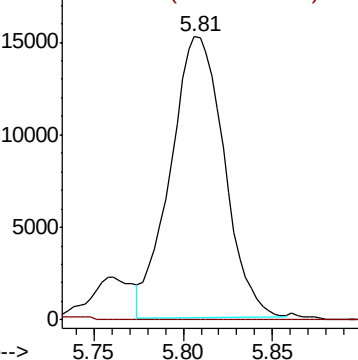
62 100

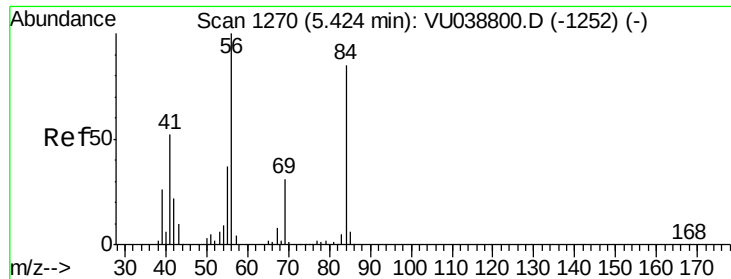
98 0.0 7.8 11.6#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

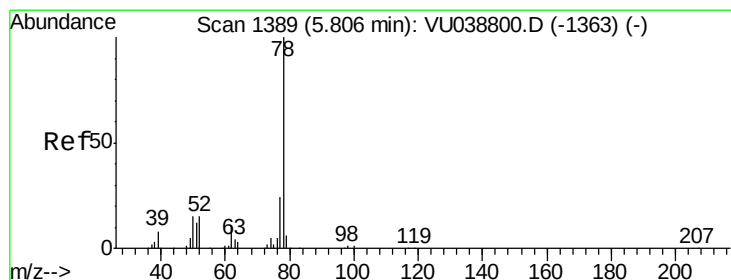
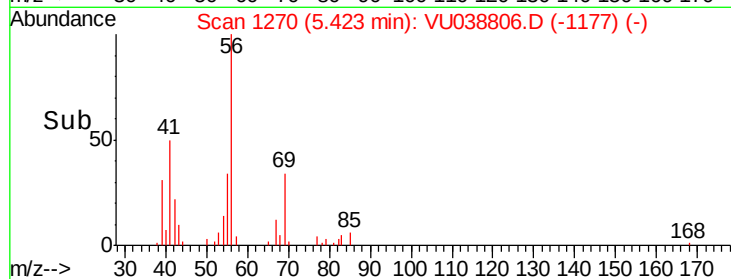
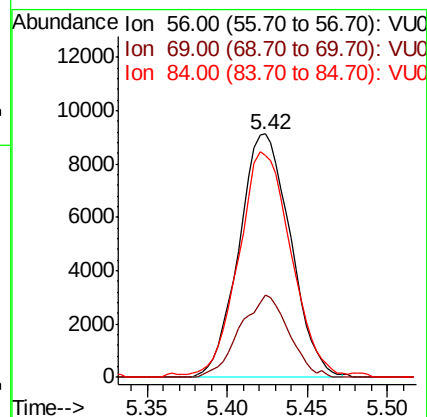
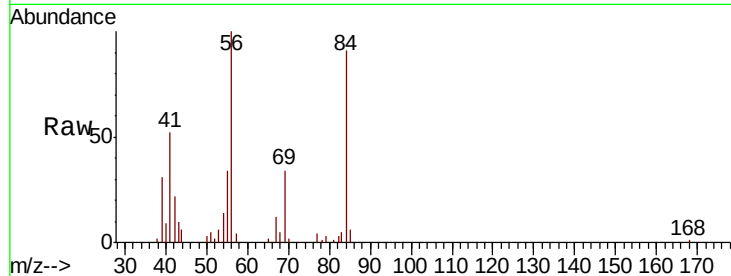




#29
Cyclohexane
Concen: 3.199 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU038806.D
Acq: 11 Jun 2020 03:45

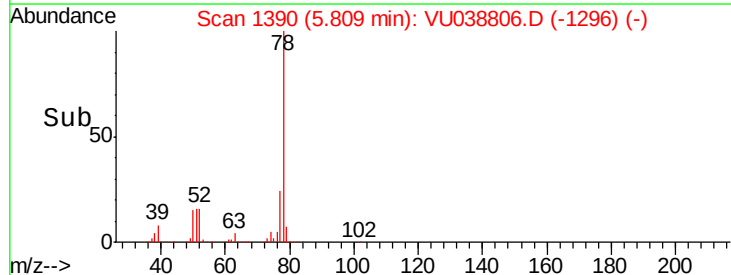
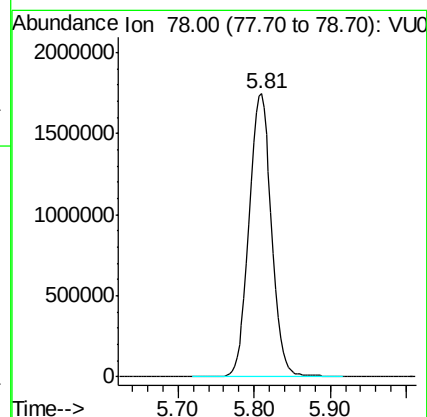
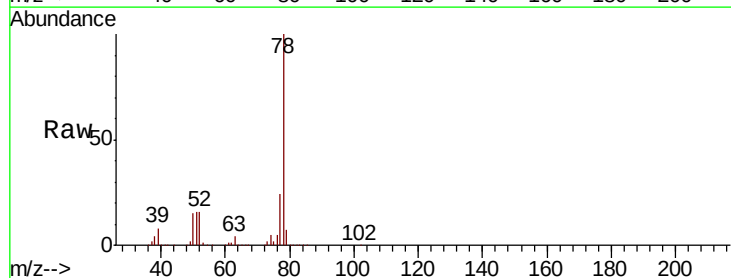
Instrument :
MSVOA_U
ClientSampleId :
F9E21

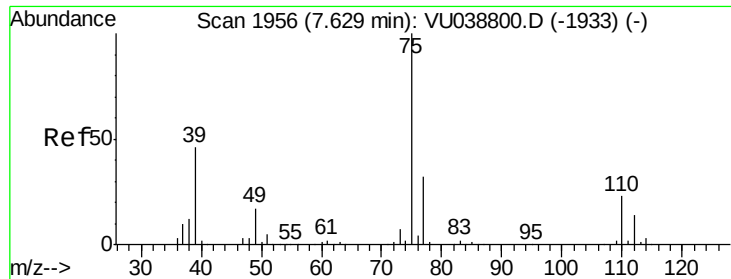
Tot Ion: 56 Resp: 20109
Ion Ratio Lower Upper
56 100
69 31.8 25.1 37.7
84 92.6 70.5 105.7



#33
Benzene
Concen: 219.856 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU038806.D
Acq: 11 Jun 2020 03:45

Tgt Ion: 78 Resp: 3587152

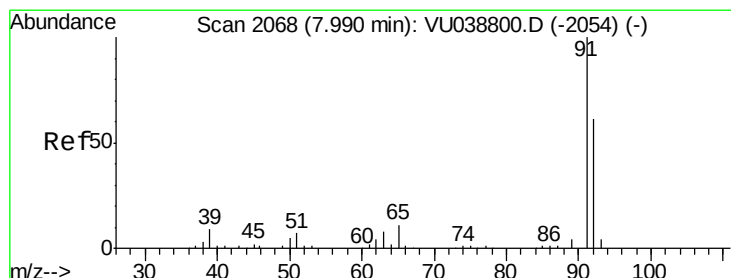
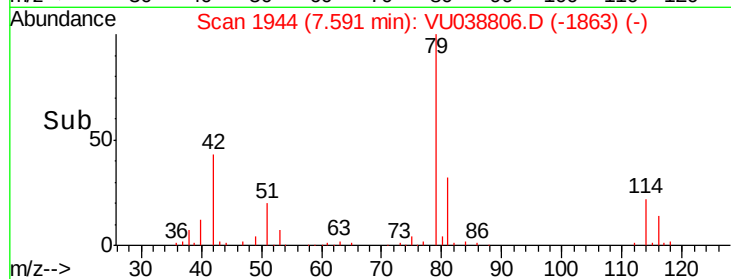
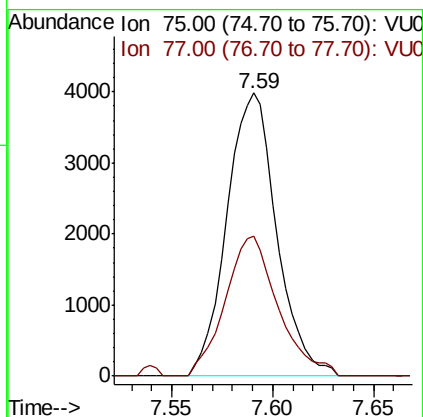
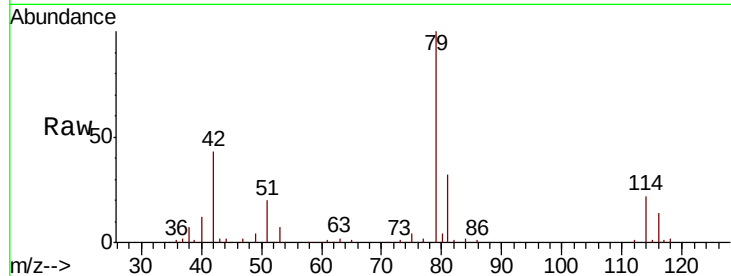




#39
 cis-1,3-Dichloropropene
 Concen: 1.047 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU038806.D
 Acq: 11 Jun 2020 03:45

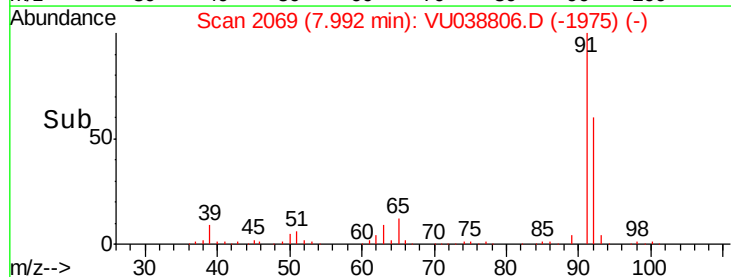
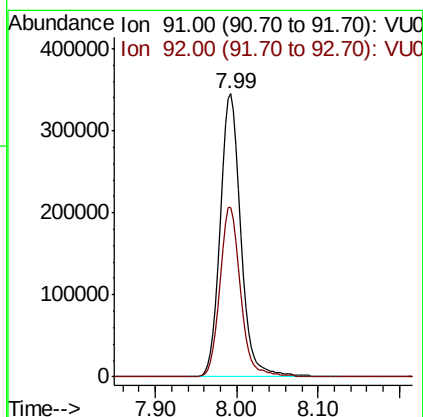
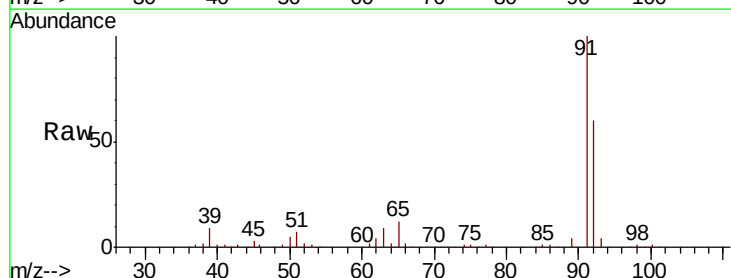
Instrument :
 MSVOA_U
 ClientSampleId :
 F9E21

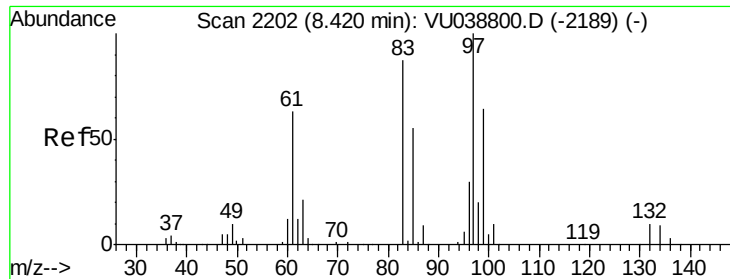
Tot Ion: 75 Resp: 6865
 Ion Ratio Lower Upper
 75 100
 77 49.3 22.2 41.2#



#42
 Toluene
 Concen: 36.505 ug/L
 RT: 7.99 min Scan# 2069
 Delta R.T. 0.00 min
 Lab File: VU038806.D
 Acq: 11 Jun 2020 03:45

Tgt Ion: 91 Resp: 622782
 Ion Ratio Lower Upper
 91 100
 92 60.0 42.2 78.4

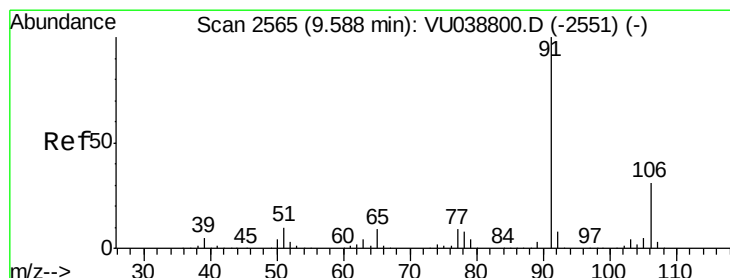
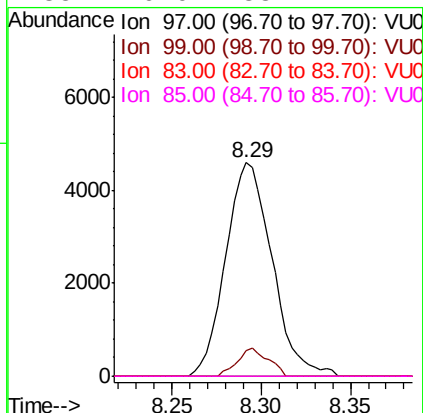
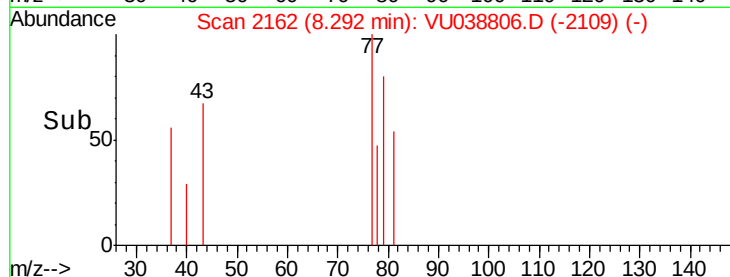
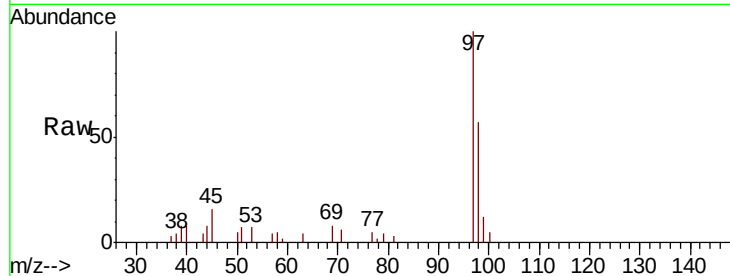




#45
 1,1,2-Trichloroethane
 Concen: 2.026 ug/L
 RT: 8.29 min Scan# 2162
 Delta R.T. -0.13 min
 Lab File: VU038806.D
 Acq: 11 Jun 2020 03:45

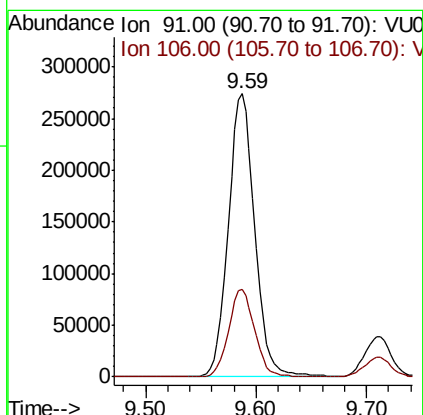
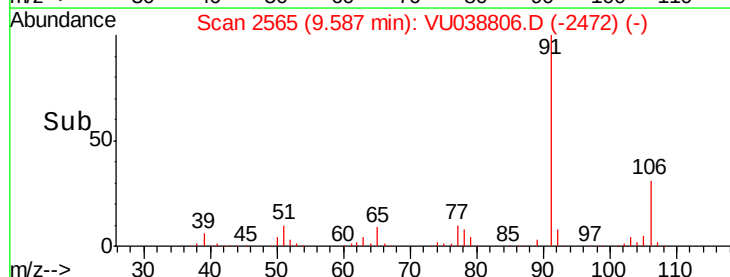
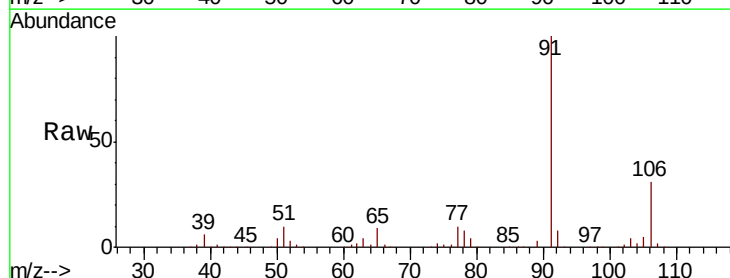
Instrument :
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 ClientSampleId :
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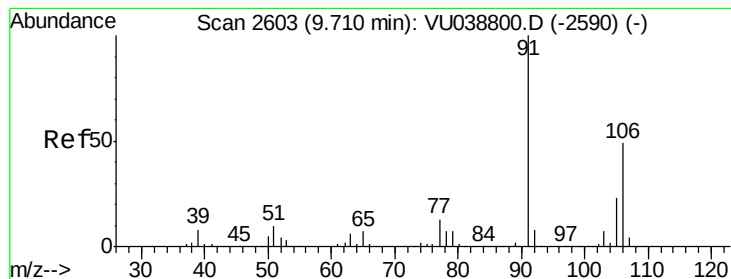
Tot Ion: 97 Resp: 8289
 Ion Ratio Lower Upper
 97 100
 99 12.3 43.6 81.0#
 83 0.0 60.0 111.4#
 85 0.0 38.4 71.2#



#52
 Ethylbenzene
 Concen: 24.149 ug/L
 RT: 9.59 min Scan# 2565
 Delta R.T. -0.00 min
 Lab File: VU038806.D
 Acq: 11 Jun 2020 03:45

Tgt Ion: 91 Resp: 454683
 Ion Ratio Lower Upper
 91 100
 106 31.0 21.5 39.9





#53

m,p-Xylene

Concen: 4.335 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038806.D

Acq: 11 Jun 2020 03:45

Instrument :

MSVOA_U

ClientSampleId :

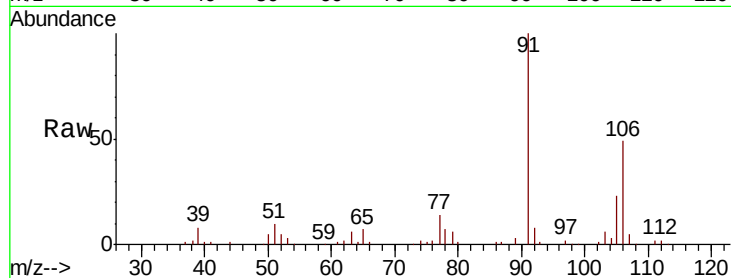
F9E21

Tot Ion:106 Resp: 31329

Ion Ratio Lower Upper

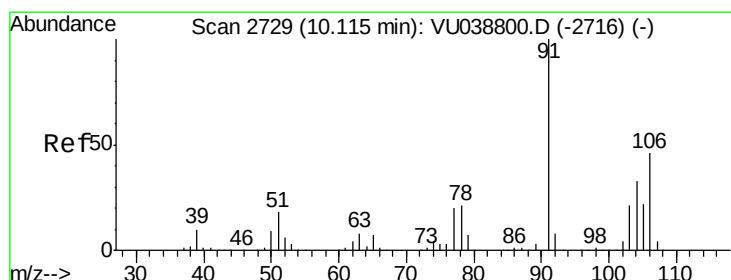
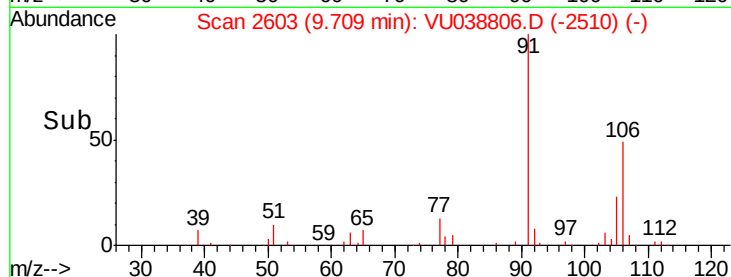
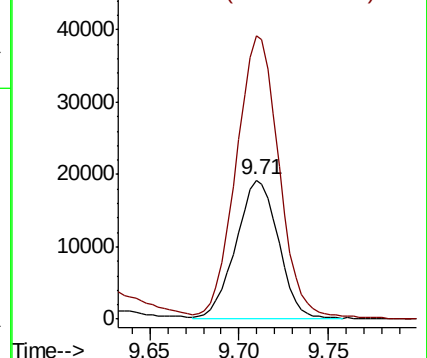
106 100

91 203.6 140.1 260.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 4.541 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU038806.D

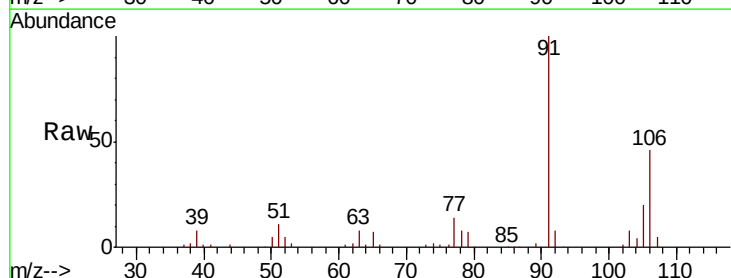
Acq: 11 Jun 2020 03:45

Tgt Ion:106 Resp: 31858

Ion Ratio Lower Upper

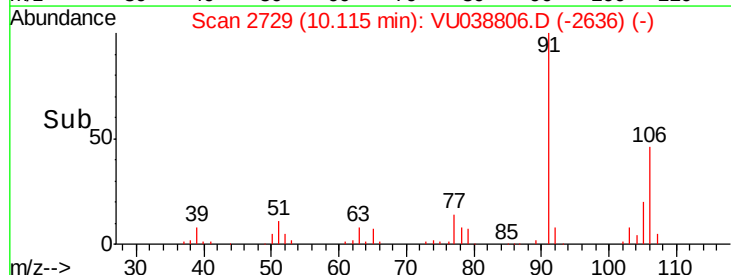
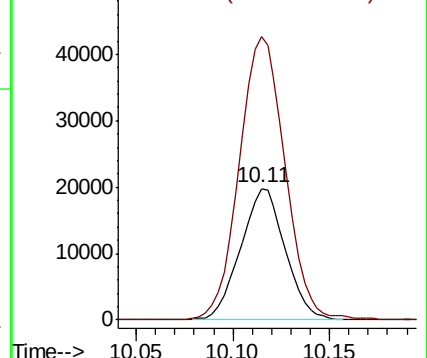
106 100

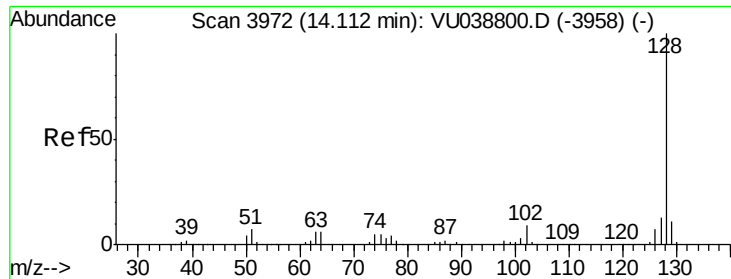
91 215.6 151.2 280.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#69

Naphthalene

Concen: 2.436 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.00 min

Lab File: VU038806.D

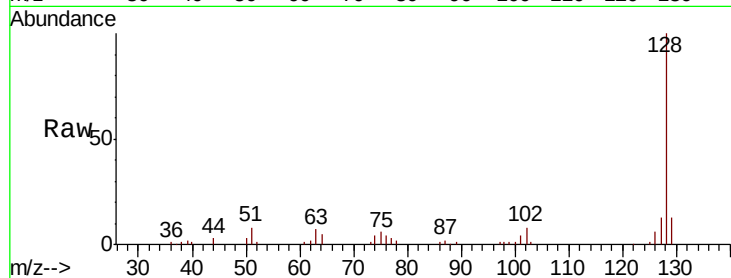
Acq: 11 Jun 2020 03:45

Instrument :

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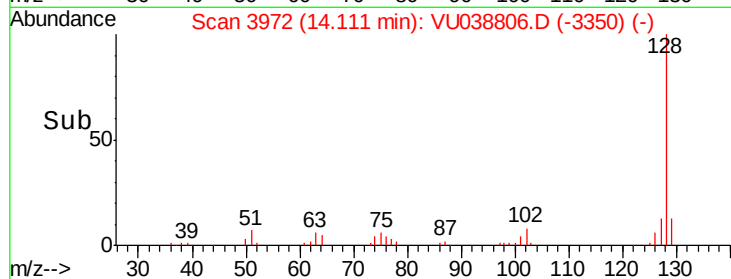
Tot Ion:128 Resp: 47436

Ion Ratio Lower Upper

128 100

127 13.4 10.6 16.0

129 12.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

