

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062520\
 Data File : VU039132.D
 Acq On : 25 Jun 2020 23:09
 Operator : SY/MD
 Sample : L3121-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9F01

Quant Time: Jun 26 04:47:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 26 04:20:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	262422	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.43	117	268496	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	123476	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	72905	3.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.80%
7) Chloroethane-d5	1.93	69	71993	4.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.60%
11) 1,1-Dichloroethene-d2	2.59	63	117776	3.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.80%
20) 2-Butanone-d5	4.69	46	400050	57.68	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.36%
24) Chloroform-d	5.10	84	178913	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	5.74	65	112920	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
32) Benzene-d6	5.76	84	345651	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
36) 1,2-Dichloropropane-d6	6.72	67	124402	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	7.92	98	299472	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
43) trans-1,3-Dichloropropene-	8.20	79	50020	4.60	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.00%
46) 2-Hexanone-d5	8.66	63	328908	58.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.22%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	112117	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	122228	5.31	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.20%

Target Compounds

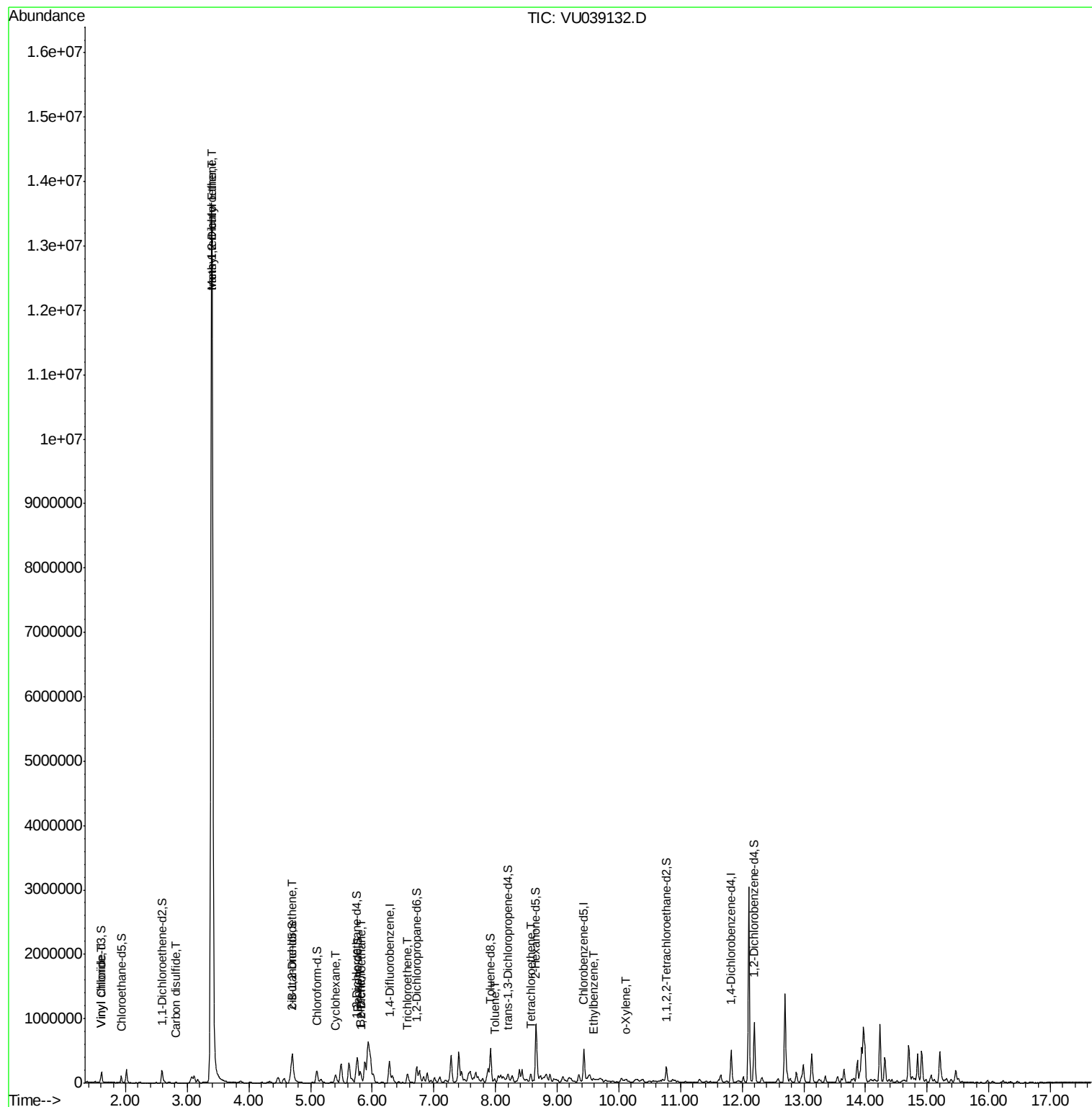
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	3085	0.121	ug/L #	43
14) Carbon disulfide	2.82	76	14788	0.244	ug/L	98
17) Methyl tert-butyl Ether	3.40	73	15622132	301.934	ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	141457	7.274	ug/L	97
22) cis-1,2-Dichloroethene	4.71	96	167930	8.002	ug/L	98
27) 1,2-Dichloroethane	5.83	62	27943	1.010	ug/L	99
30) Cyclohexane	5.41	56	37975	1.218	ug/L #	74
33) Benzene	5.81	78	151871	1.800	ug/L	100
34) Trichloroethene	6.57	95	40892	2.004	ug/L	95
42) Toluene	7.99	91	10880	0.130	ug/L	94
47) Tetrachloroethene	8.57	164	28168	1.915	ug/L	95
52) Ethylbenzene	9.59	91	14786	0.168	ug/L	95
54) o-Xylene	10.11	106	10237	0.329	ug/L	95

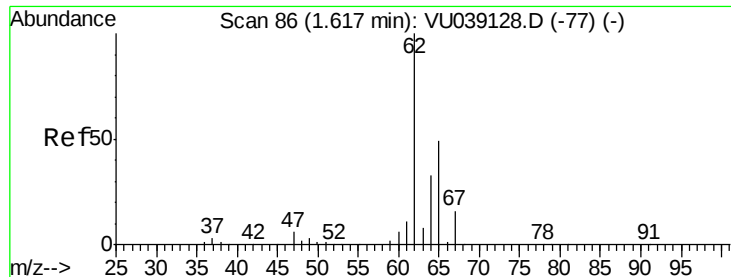
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.121 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU039132.D

Acq: 25 Jun 2020 23:09

Instrument :

MSVOA_U

ClientSampled :

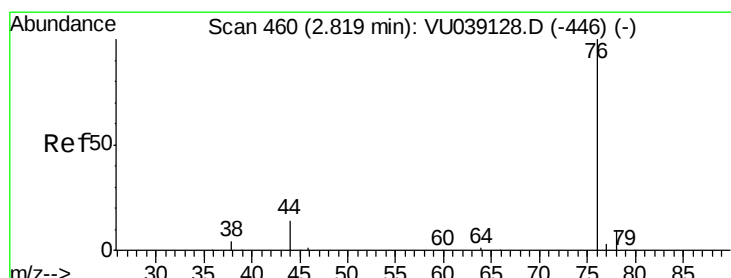
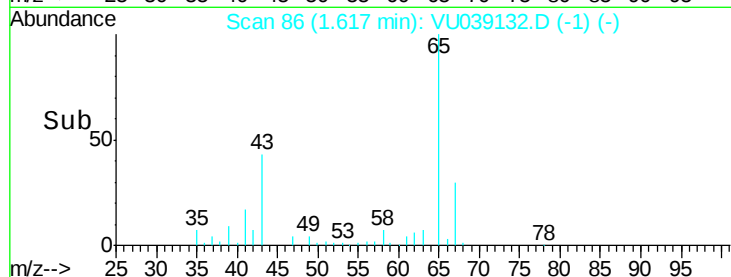
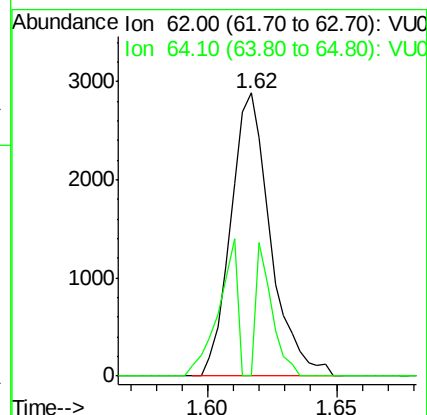
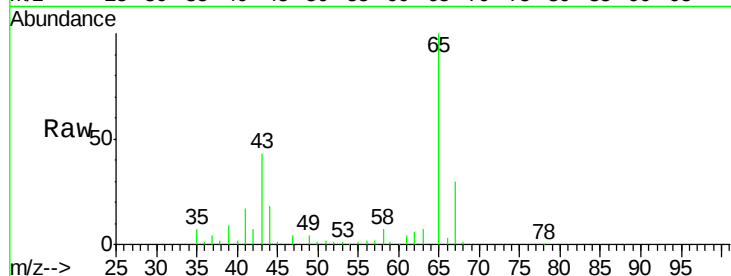
F9F01

Tot Ion: 62 Resp: 3085

Ion Ratio Lower Upper

62 100

64 0.0 22.4 41.6#



#14

Carbon disulfide

Concen: 0.244 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU039132.D

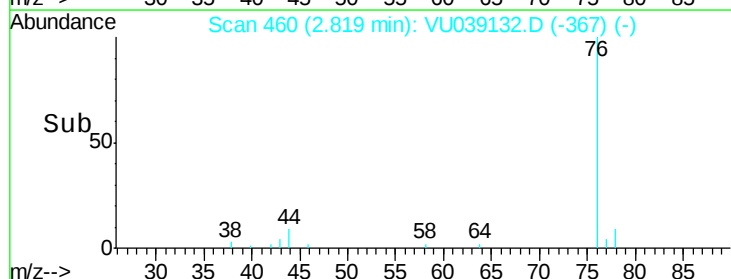
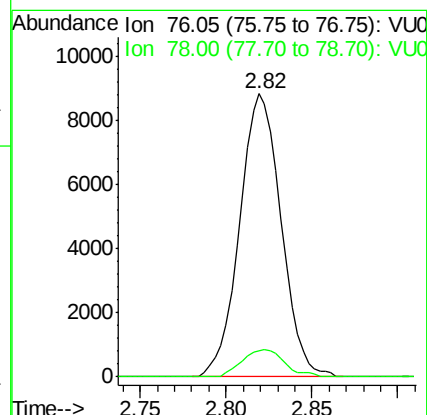
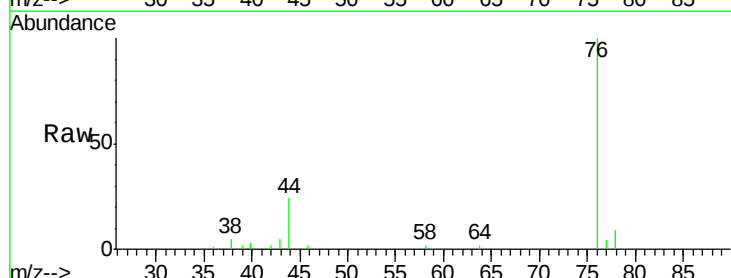
Acq: 25 Jun 2020 23:09

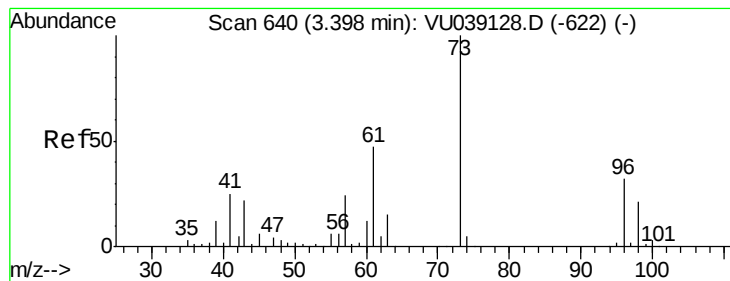
Tgt Ion: 76 Resp: 14788

Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.6



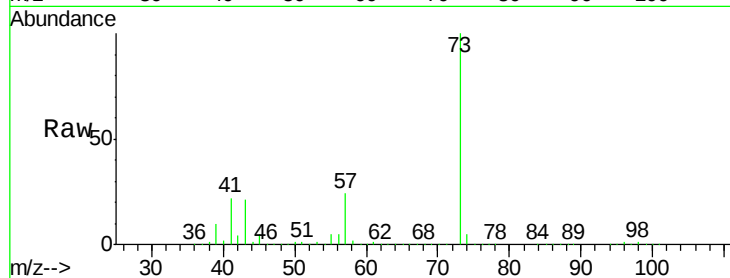


#17

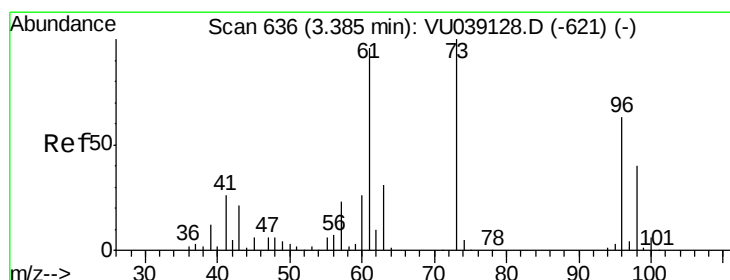
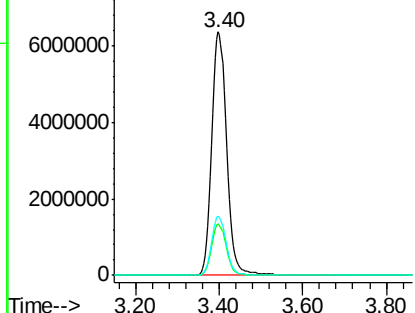
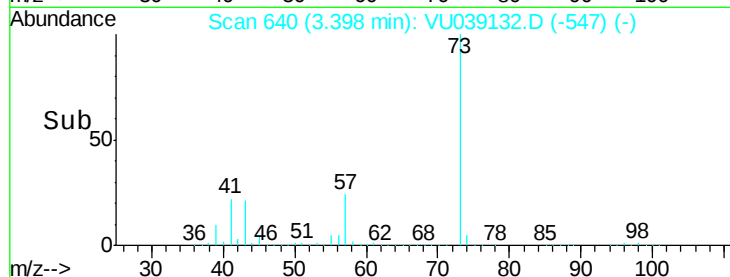
Methvl tert-butvl Ether
Concen: 301.934 ug/L
RT: 3.40 min Scan# 640
Delta R.T. 0.00 min
Lab File: VU039132.D
Acq: 25 Jun 2020 23:09

Instrument :
MSVOA_U
ClientSampleId :
F9F01

Tot Ion: 73 Resp:15622132
Ion Ratio Lower Upper
73 100
43 20.9 16.6 24.8
57 23.9 18.2 27.4



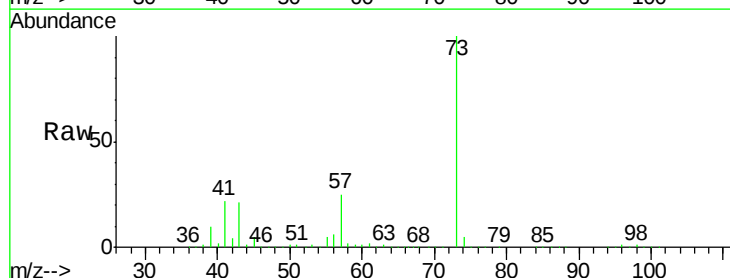
Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0



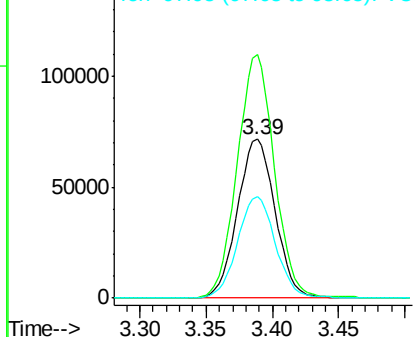
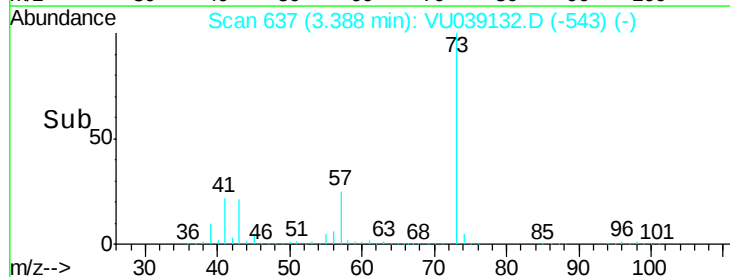
#18

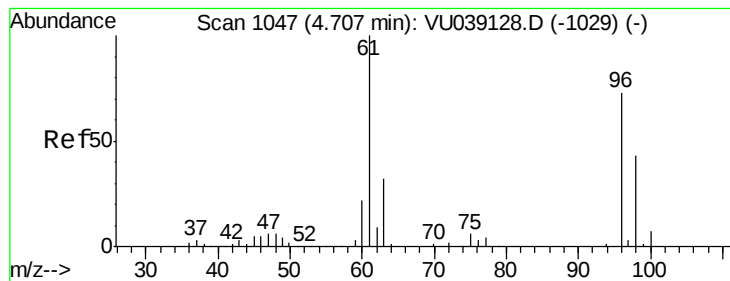
trans-1,2-Dichloroethene
Concen: 7.274 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU039132.D
Acq: 25 Jun 2020 23:09

Tgt Ion: 96 Resp: 141457
Ion Ratio Lower Upper
96 100
61 153.3 103.5 192.3
98 63.9 44.9 83.5



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#22

cis-1,2-Dichloroethene

Concen: 8.002 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU039132.D

Acq: 25 Jun 2020 23:09

Instrument :

MSVOA_U

ClientSampled :

F9F01

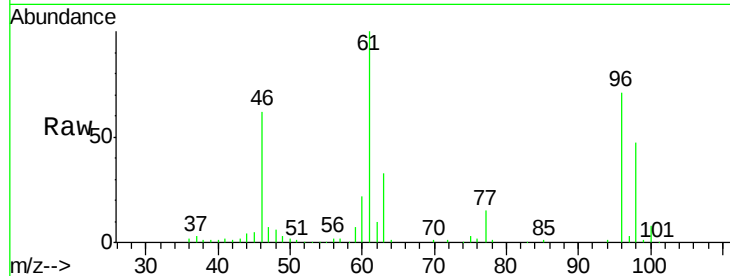
Tot Ion: 96 Resp: 167930

Ion Ratio Lower Upper

96 100

61 141.3 100.8 187.2

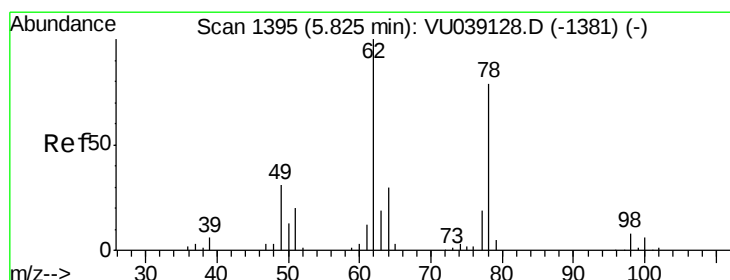
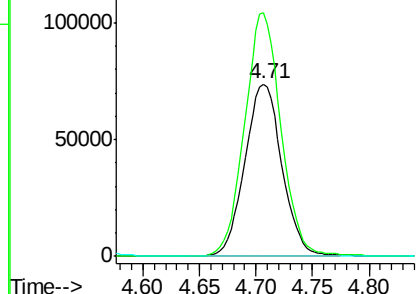
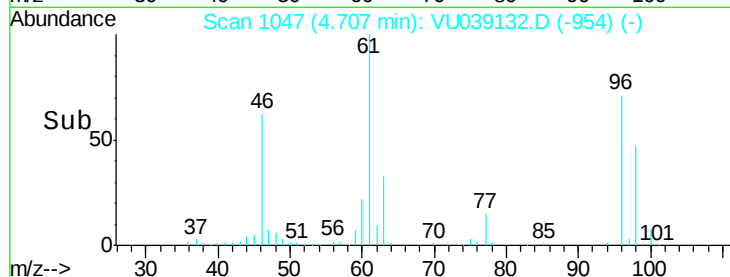
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039132.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU039132.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU039132.D (-954) (-)



#27

1,2-Dichloroethane

Concen: 1.010 ug/L

RT: 5.83 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VU039132.D

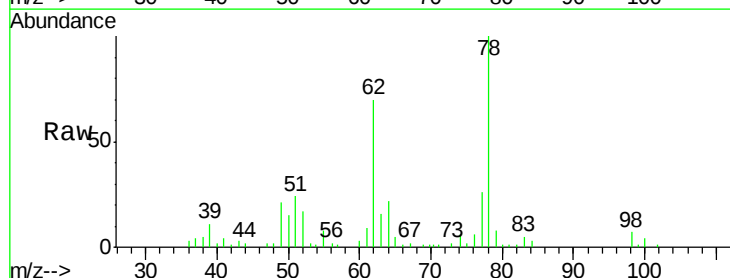
Acq: 25 Jun 2020 23:09

Tgt Ion: 62 Resp: 27943

Ion Ratio Lower Upper

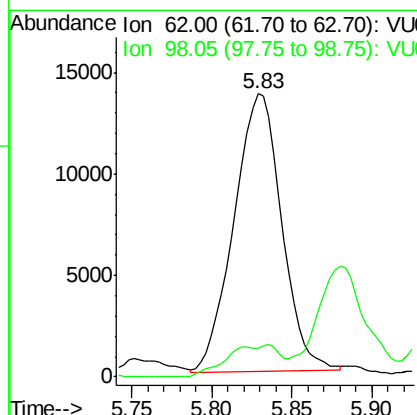
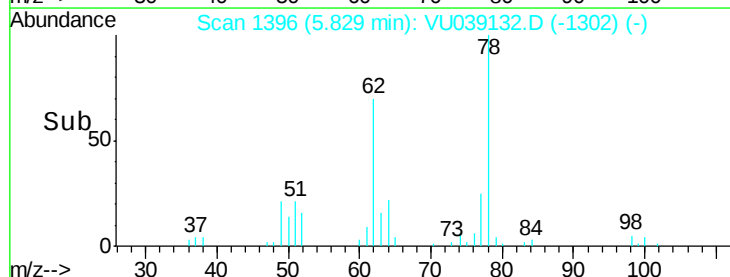
62 100

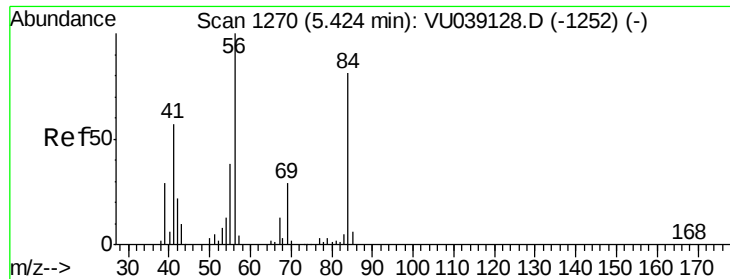
98 10.1 7.7 11.5



Abundance Ion 62.00 (61.70 to 62.70): VU039132.D (-1302) (-)

Ion 98.05 (97.75 to 98.75): VU039132.D (-1302) (-)

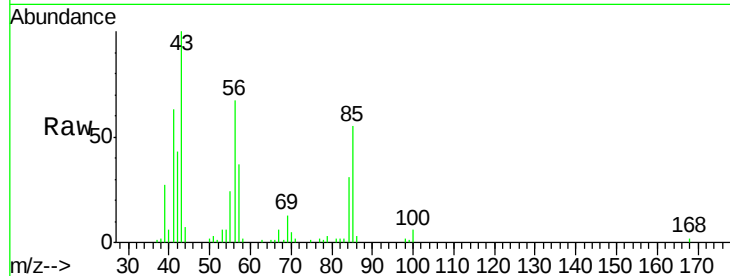




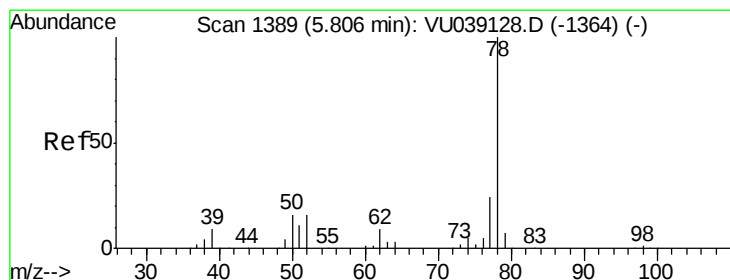
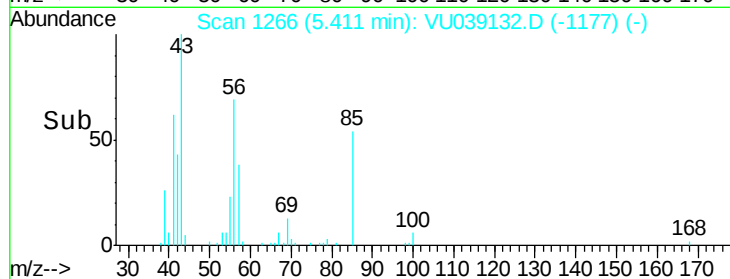
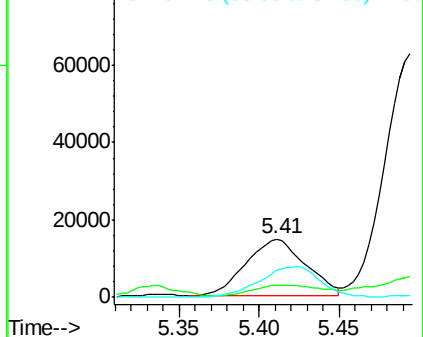
#30
Cyclohexane
Concen: 1.218 ug/L
RT: 5.41 min Scan# 1266
Delta R.T. -0.01 min
Lab File: VU039132.D
Acq: 25 Jun 2020 23:09

Instrument :
MSVOA_U
ClientSampleId :
F9F01

Tot Ion: 56 Resp: 37975
Ion Ratio Lower Upper
56 100
69 26.9 23.3 34.9
84 53.3 67.1 100.7#

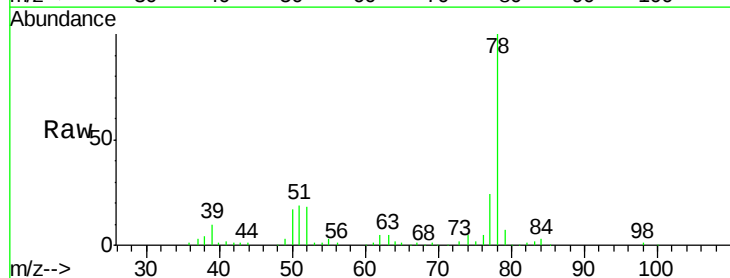


Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0

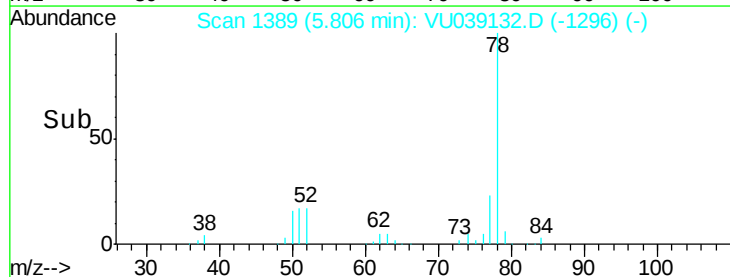
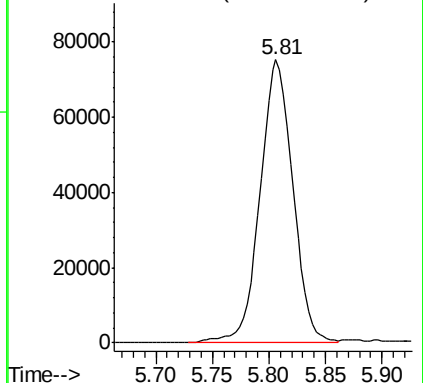


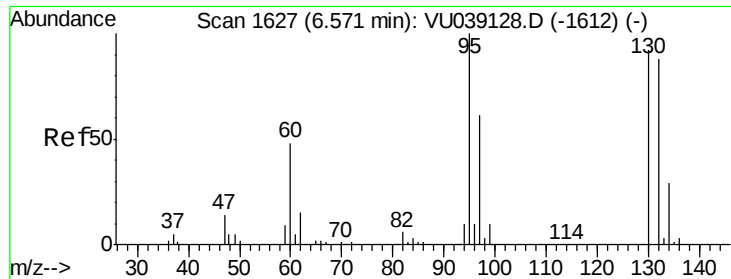
#33
Benzene
Concen: 1.800 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VU039132.D
Acq: 25 Jun 2020 23:09

Tgt Ion: 78 Resp: 151871



Abundance Ion 78.10 (77.80 to 78.80): VU0

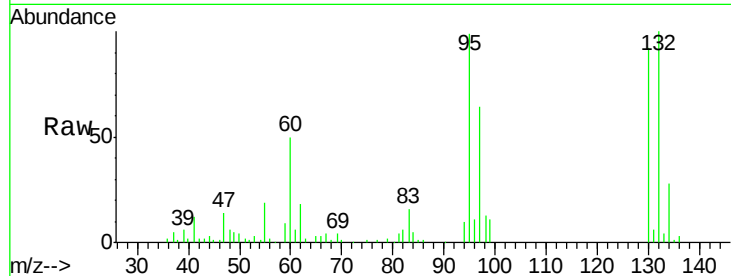




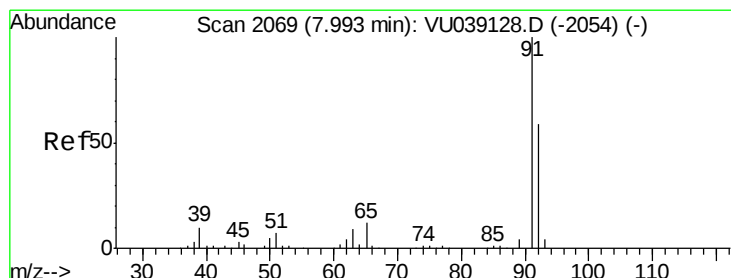
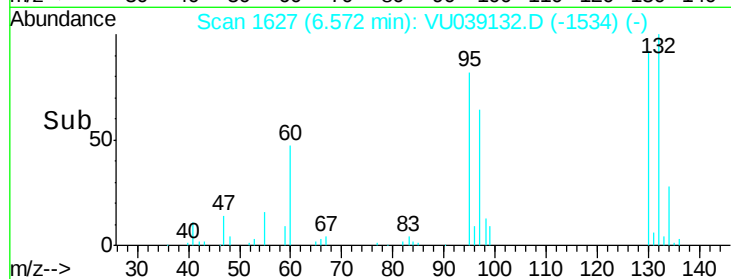
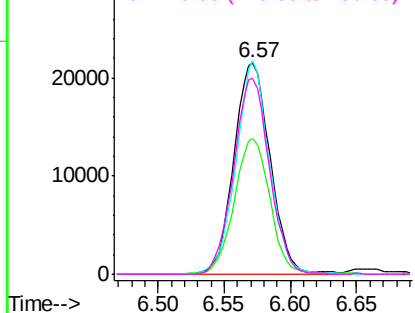
#34
 Trichloroethene
 Concen: 2.004 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU039132.D
 Acq: 25 Jun 2020 23:09

Instrument :
 MSVOA_U
 ClientSampleId :
 F9F01

Tot Ion: 95 Resp: 40892
 Ion Ratio Lower Upper
 95 100
 97 64.2 45.1 83.7
 132 100.9 65.1 120.9
 130 92.6 68.6 127.4

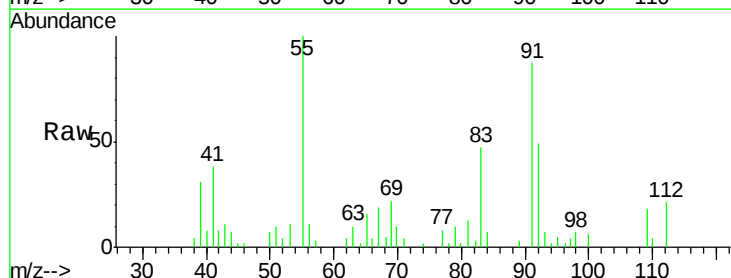


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

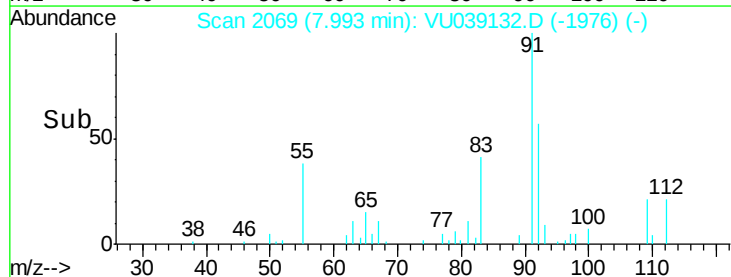
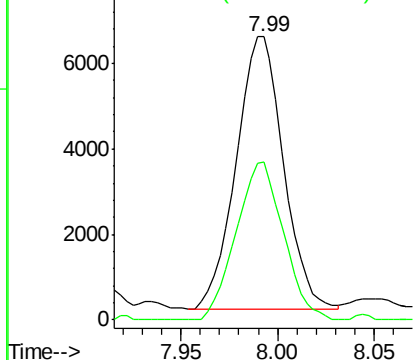


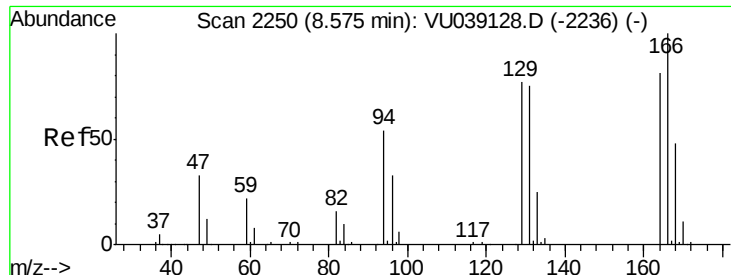
#42
 Toluene
 Concen: 0.130 ug/L
 RT: 7.99 min Scan# 2069
 Delta R.T. 0.00 min
 Lab File: VU039132.D
 Acq: 25 Jun 2020 23:09

Tgt Ion: 91 Resp: 10880
 Ion Ratio Lower Upper
 91 100
 92 55.6 42.1 78.1



Abundance Ion 91.15 (90.85 to 91.85): VU0
 Ion 92.15 (91.85 to 92.85): VU0





#47

Tetrachloroethene

Concen: 1.915 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.00 min

Lab File: VU039132.D

Acq: 25 Jun 2020 23:09

Instrument :

MSVOA_U

ClientSampleId :

F9F01

Tot Ion:164 Resp: 28168

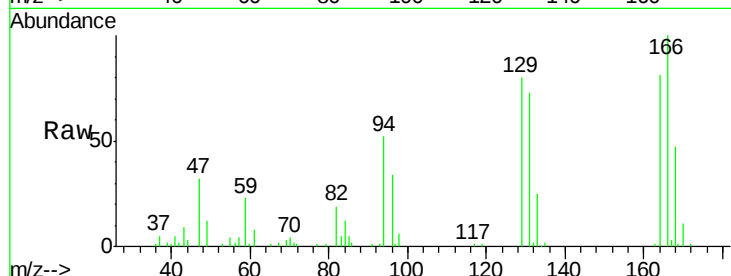
Ion Ratio Lower Upper

164 100

129 98.5 71.3 132.5

131 89.8 68.3 126.8

166 123.7 90.8 168.6

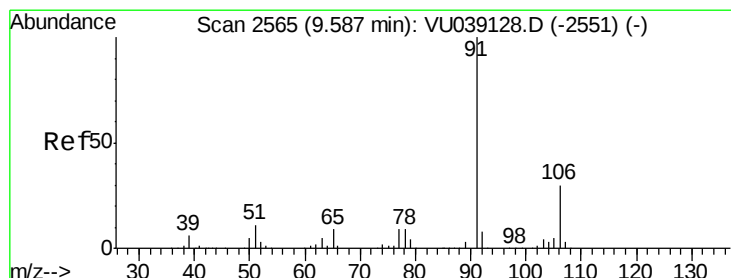
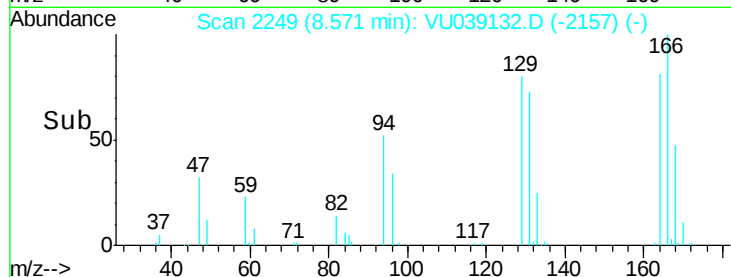
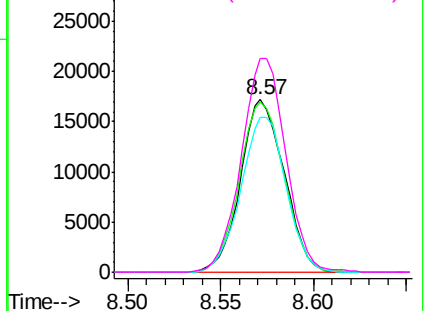


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#52

Ethylbenzene

Concen: 0.168 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. 0.00 min

Lab File: VU039132.D

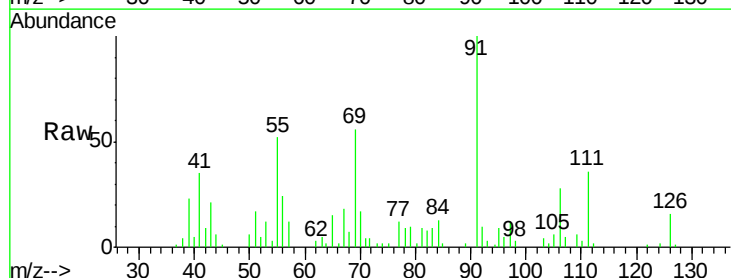
Acq: 25 Jun 2020 23:09

Tgt Ion: 91 Resp: 14786

Ion Ratio Lower Upper

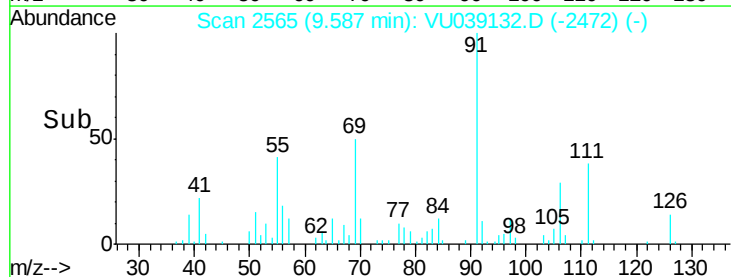
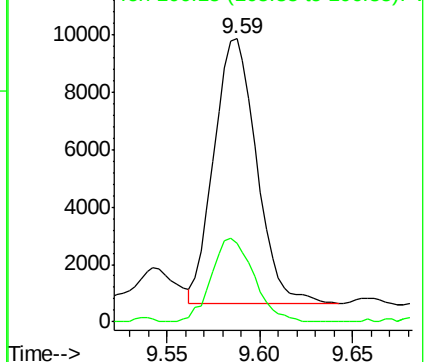
91 100

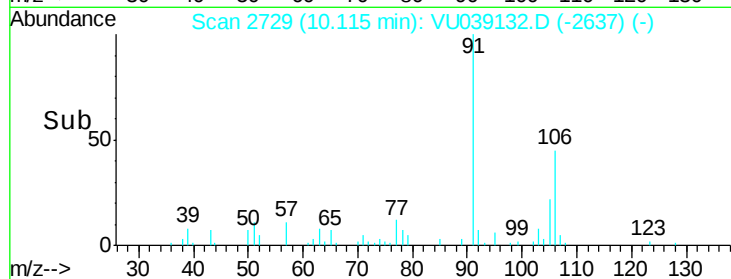
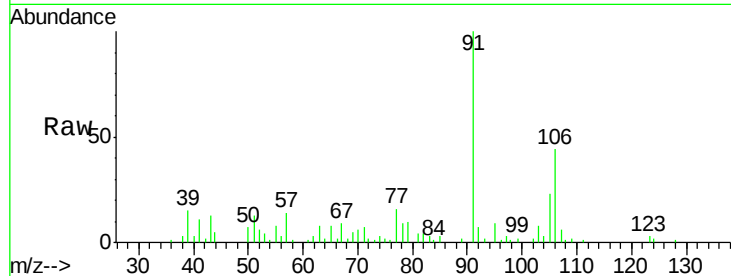
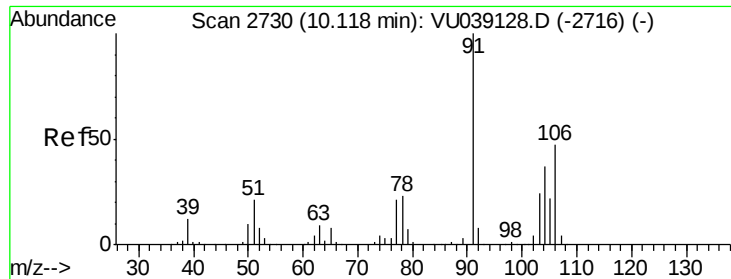
106 27.7 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V





#54

o-Xylene

Concen: 0.329 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU039132.D

Acq: 25 Jun 2020 23:09

Instrument :

MSVOA_U

ClientSampleId :

F9F01

Tot Ion:106 Resp: 10237

Ion Ratio Lower Upper

106 100

91 228.0 153.5 285.1

