

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U062220\
 Data File : VU039030.D
 Acq On : 23 Jun 2020 01:30
 Operator : SY/MD
 Sample : L3073-06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9L46

Quant Time: Jun 23 03:58:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 23 01:25:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	253119	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	261484	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	113256	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	121837	5.86	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	117.20%
7) Chloroethane-d5	1.93	69	90430	6.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	121.40%
11) 1,1-Dichloroethene-d2	2.59	63	164395	4.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.20%
20) 2-Butanone-d5	4.66	46	375853	55.52	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.04%
24) Chloroform-d	5.10	84	197056	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.20%
26) 1,2-Dichloroethane-d4	5.74	65	127067	5.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.40%
32) Benzene-d6	5.76	84	418279	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.20%
36) 1,2-Dichloropropane-d6	6.72	67	135249	5.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.40%
41) Toluene-d8	7.92	98	323765	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
43) trans-1,3-Dichloropropene-	8.20	79	52838	4.83	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.60%
46) 2-Hexanone-d5	8.65	63	288211	54.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.26%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	119961	5.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.60%
64) 1,2-Dichlorobenzene-d4	12.20	152	130518	5.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	118.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	1035951	40.086	ug/L	87
6) Bromomethane	1.87	94	1148	0.186	ug/L	99
8) Chloroethane	1.95	64	8954	0.630	ug/L #	72
13) Acetone	2.66	43	14667	3.434	ug/L	97
14) Carbon disulfide	2.82	76	11760	0.186	ug/L #	94
17) Methyl tert-butyl Ether	3.40	73	553005	12.490	ug/L	100
18) trans-1,2-Dichloroethene	3.39	96	66702	3.420	ug/L	97
22) cis-1,2-Dichloroethene	4.70	96	1534774	73.382	ug/L	94
25) Chloroform	5.12	83	19560	0.488	ug/L	95
33) Benzene	5.81	78	68814	0.815	ug/L	100
34) Trichloroethene	6.57	95	9894	0.469	ug/L	98
42) Toluene	7.99	91	25626	0.302	ug/L	99
47) Tetrachloroethene	8.57	164	21993	1.482	ug/L	96
51) Chlorobenzene	9.47	112	11398	0.210	ug/L	95
53) m,p-Xylene	9.71	106	5821	0.169	ug/L	99

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QLast Update : Tue Jun 23 01:25:34 2020
Response via : Initial Calibration

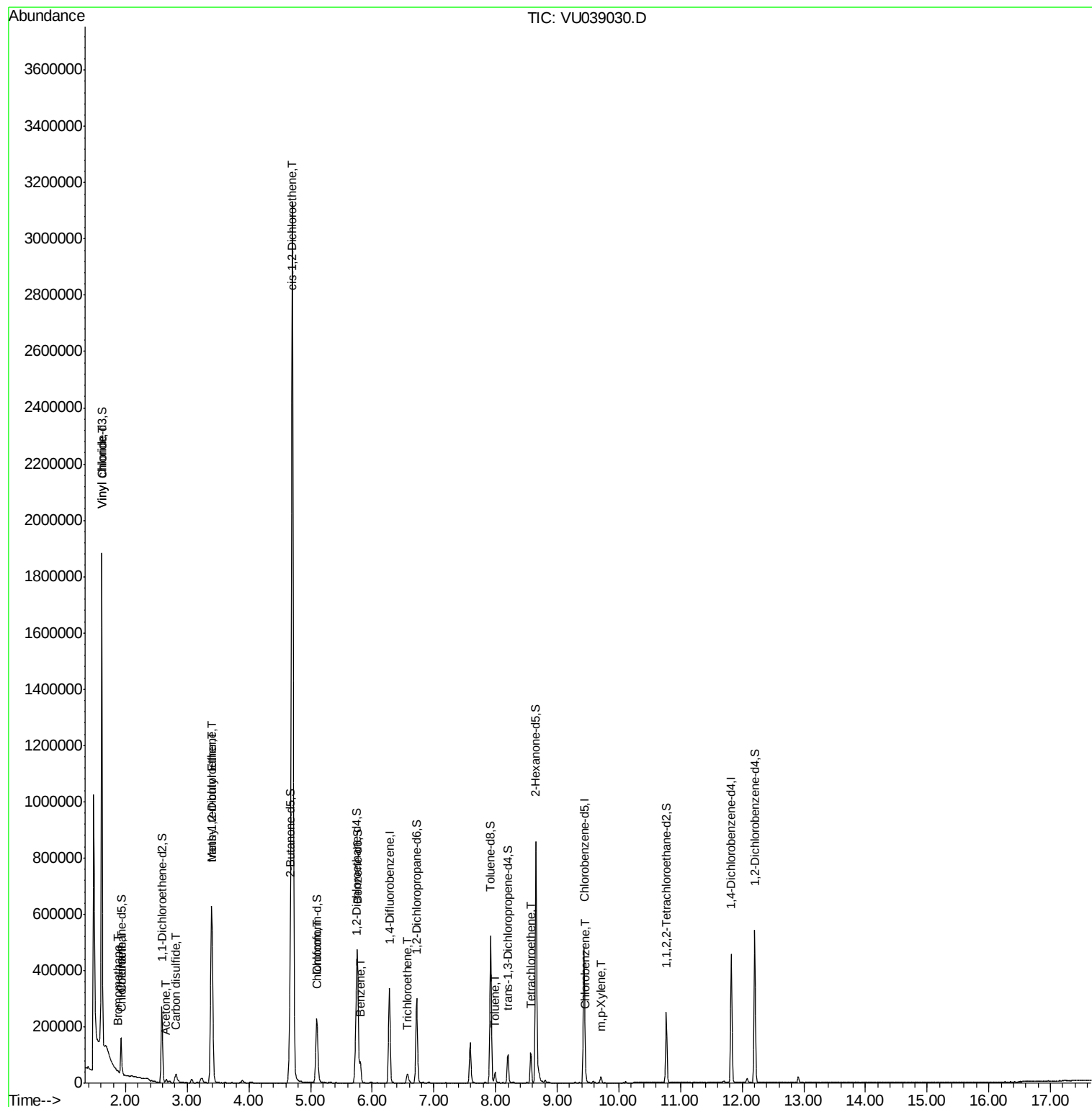
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

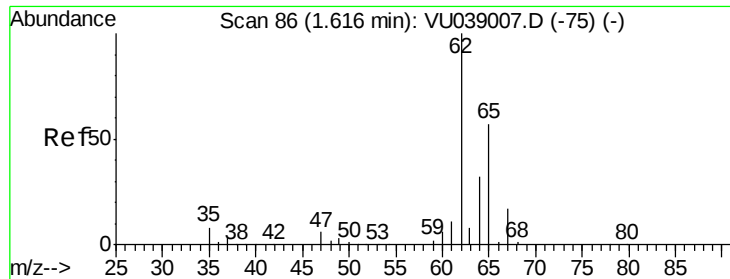
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#5

Vinyl chloride

Concen: 40.086 ug/L

RT: 1.61 min Scan# 85

Delta R.T. -0.00 min

Lab File: VU039030.D

Acq: 23 Jun 2020 01:30

Instrument :

MSVOA_U

ClientSampleId :

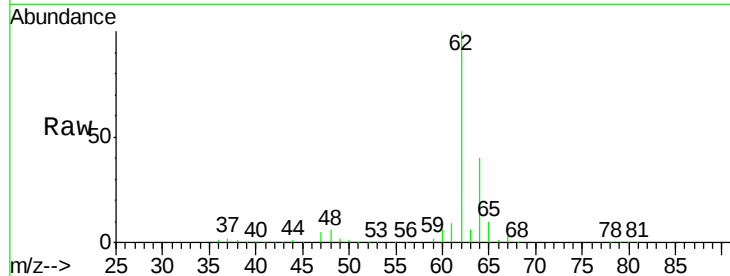
F9L46

Tot Ion: 62 Resp: 1035951

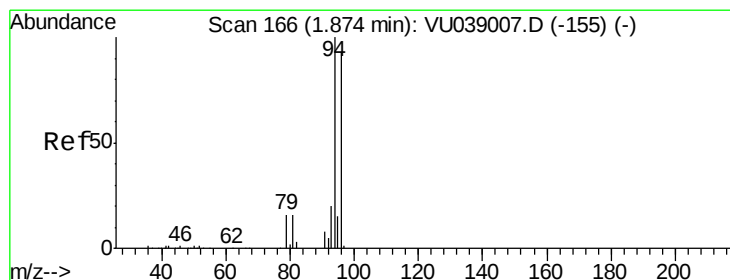
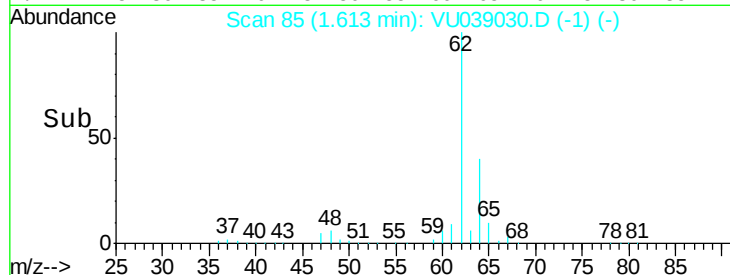
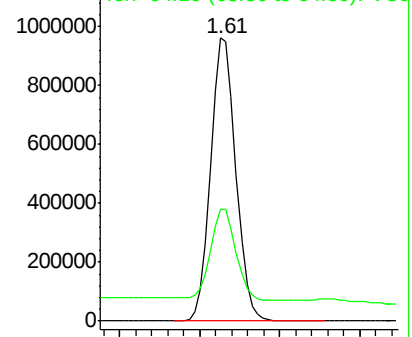
Ion Ratio Lower Upper

62 100

64 39.7 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VU039007.D (-75) (-)



#6

Bromomethane

Concen: 0.186 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU039030.D

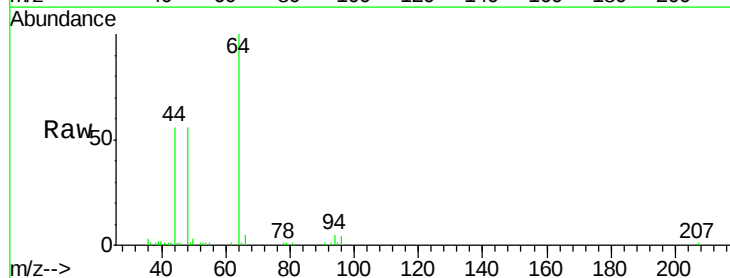
Acq: 23 Jun 2020 01:30

Tgt Ion: 94 Resp: 1148

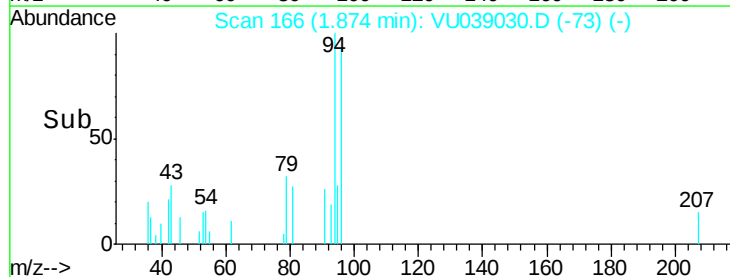
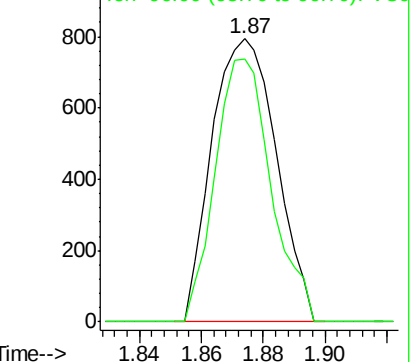
Ion Ratio Lower Upper

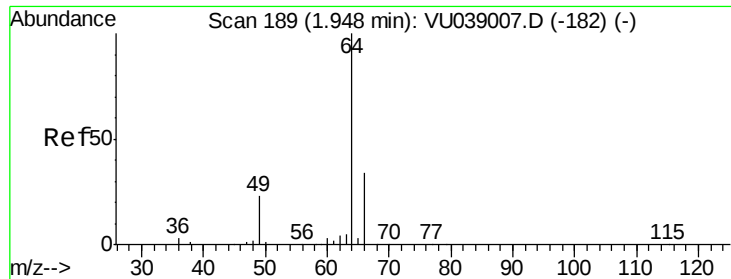
94 100

96 92.8 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VU039007.D (-155) (-)

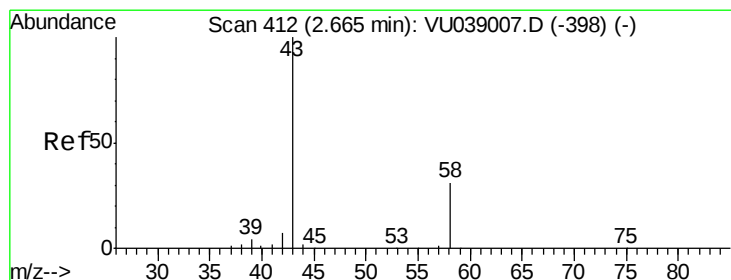
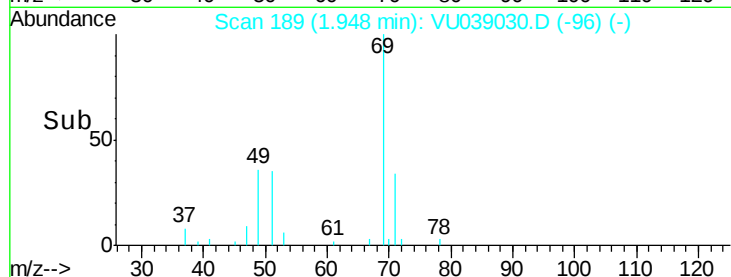
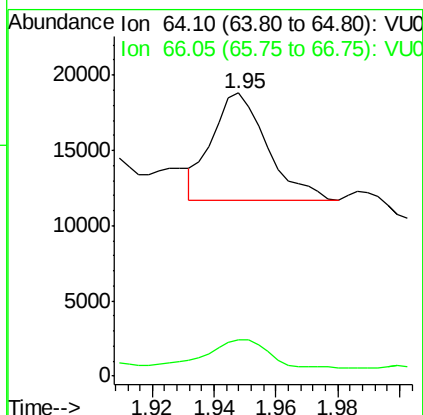
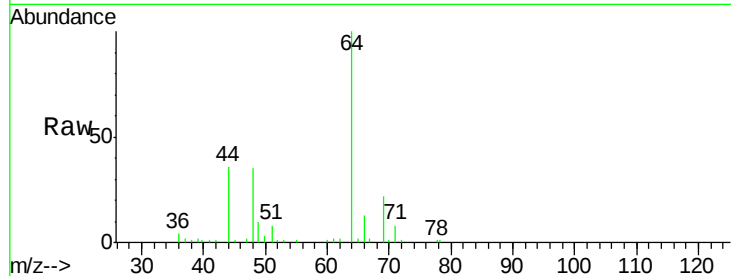




#8
Chloroethane
Concen: 0.630 ug/L
RT: 1.95 min Scan# 189
Delta R.T. 0.00 min
Lab File: VU039030.D
Acq: 23 Jun 2020 01:30

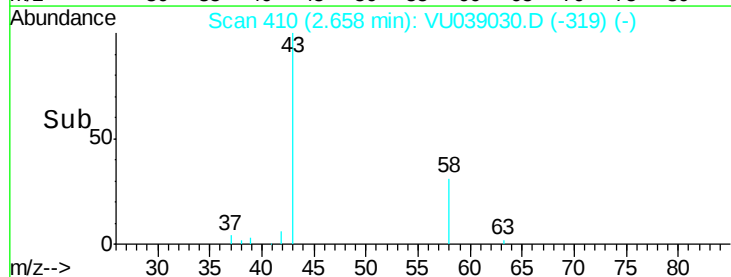
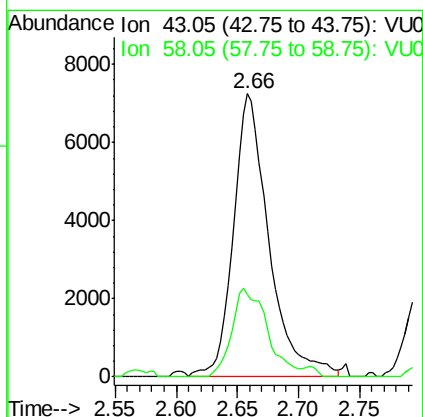
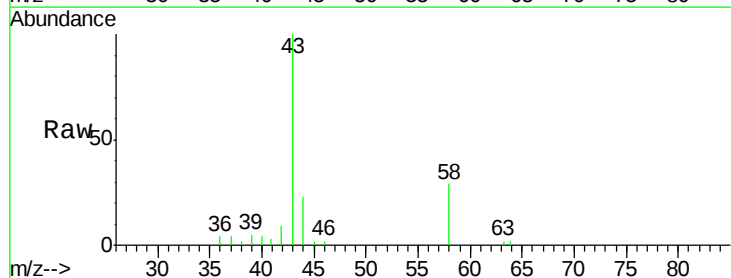
Instrument :
MSVOA_U
ClientSampleId :
F9L46

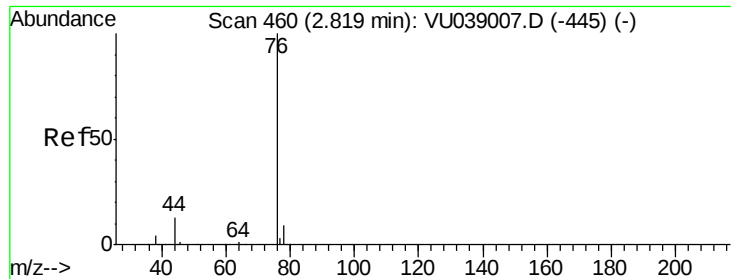
Tot Ion: 64 Resp: 8954
Ion Ratio Lower Upper
64 100
66 12.9 19.4 36.0#



#13
Acetone
Concen: 3.434 ug/L
RT: 2.66 min Scan# 410
Delta R.T. -0.01 min
Lab File: VU039030.D
Acq: 23 Jun 2020 01:30

Tgt Ion: 43 Resp: 14667
Ion Ratio Lower Upper
43 100
58 30.9 0.0 64.8





#14

Carbon disulfide

Concen: 0.186 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU039030.D

Acq: 23 Jun 2020 01:30

Instrument :

MSVOA_U

ClientSampleId :

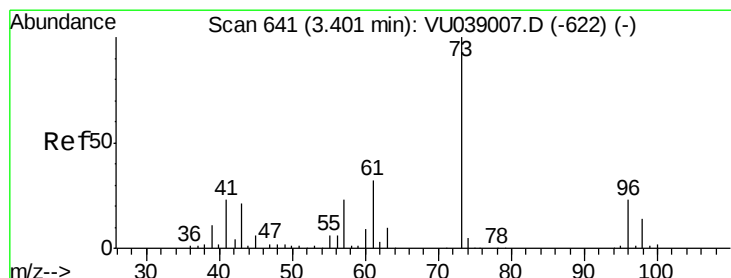
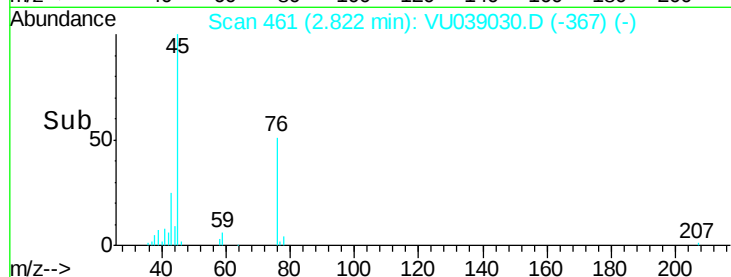
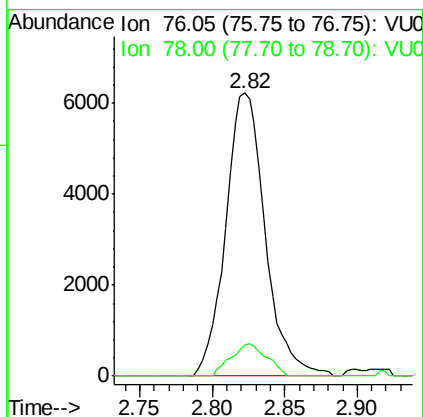
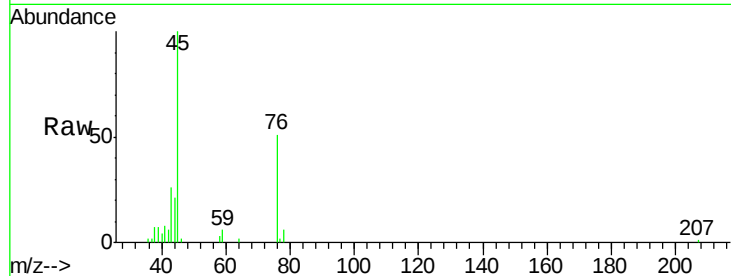
F9L46

Tot Ion: 76 Resp: 11760

Ion Ratio Lower Upper

76 100

78 10.9 7.1 10.7#



#17

Methyl tert-butyl Ether

Concen: 12.490 ug/L

RT: 3.40 min Scan# 640

Delta R.T. -0.00 min

Lab File: VU039030.D

Acq: 23 Jun 2020 01:30

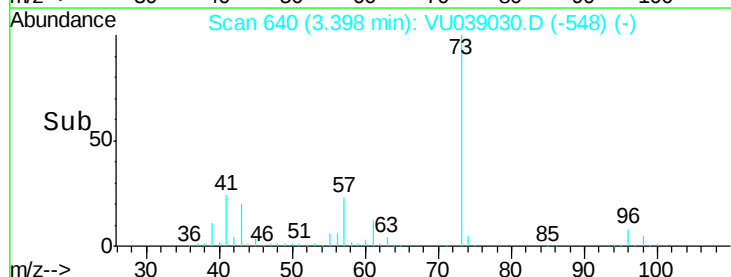
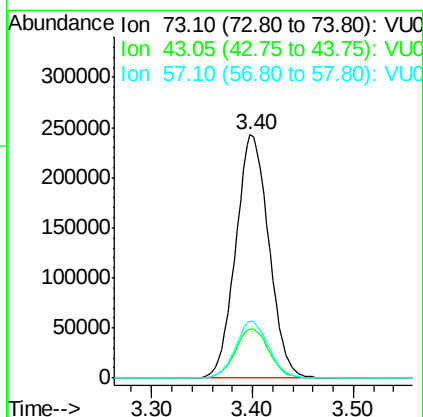
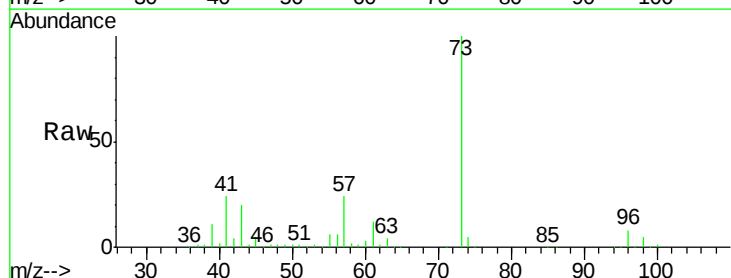
Tgt Ion: 73 Resp: 553005

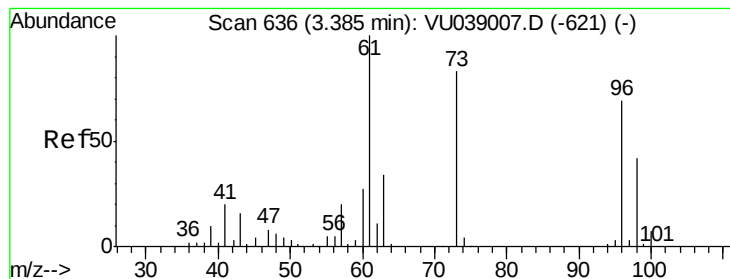
Ion Ratio Lower Upper

73 100

43 20.8 16.7 25.1

57 23.3 18.8 28.2





#18

trans-1,2-Dichloroethene

Concen: 3.420 ug/L

RT: 3.39 min Scan# 636

Delta R.T. 0.00 min

Lab File: VU039030.D

Acq: 23 Jun 2020 01:30

Instrument :

MSVOA_U

ClientSampleId :

F9L46

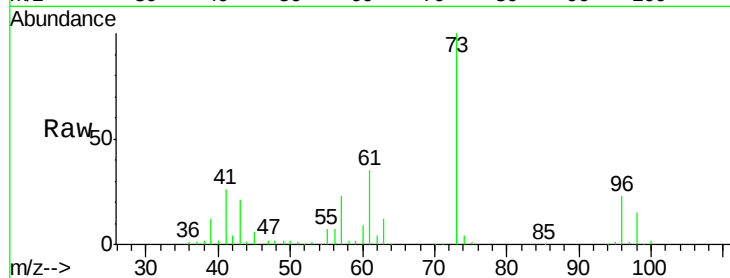
Tot Ion: 96 Resp: 66702

Ion Ratio Lower Upper

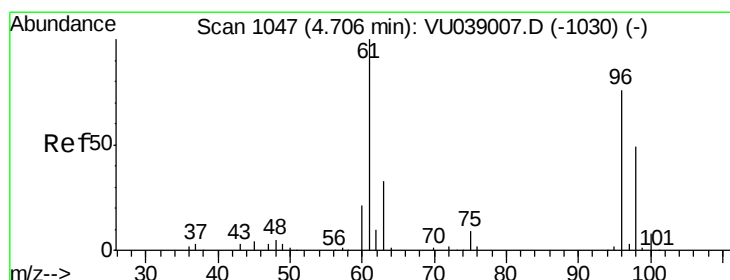
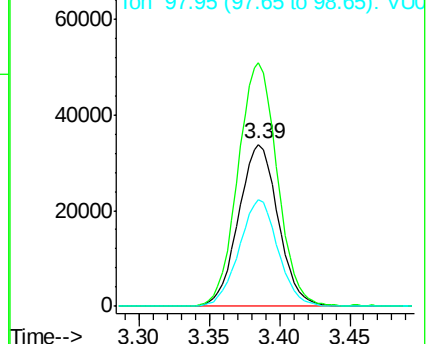
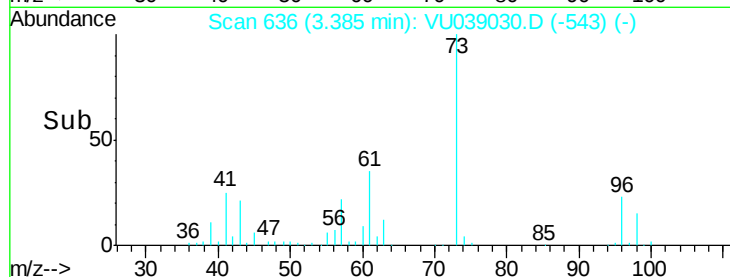
96 100

61 150.4 102.6 190.6

98 66.1 45.0 83.6



Abundance Ion 96.00 (95.70 to 96.70): VU039030.D (-543) (-)



#22

cis-1,2-Dichloroethene

Concen: 73.382 ug/L

RT: 4.70 min Scan# 1046

Delta R.T. -0.00 min

Lab File: VU039030.D

Acq: 23 Jun 2020 01:30

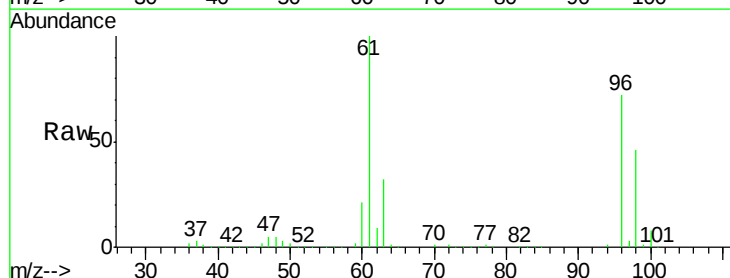
Tgt Ion: 96 Resp: 1534774

Ion Ratio Lower Upper

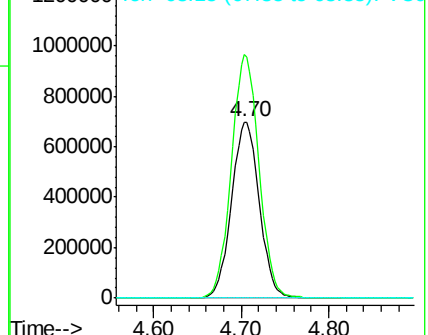
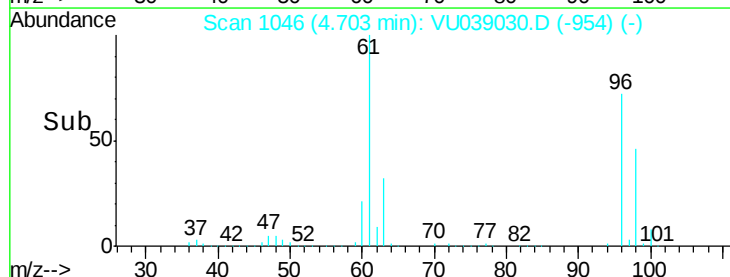
96 100

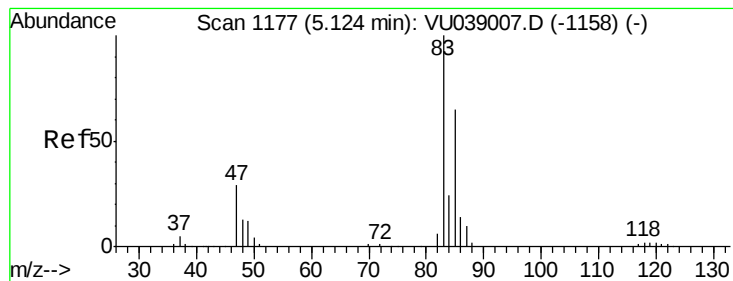
61 138.5 92.0 170.8

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039030.D (-954) (-)





#25

Chloroform

Concen: 0.488 ug/L

RT: 5.12 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VU039030.D

Acq: 23 Jun 2020 01:30

Instrument :

MSVOA_U

ClientSampleId :

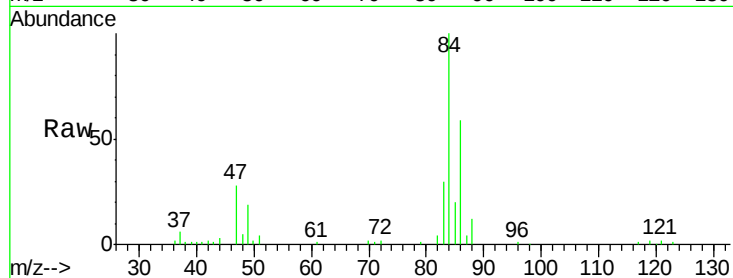
F9L46

Tot Ion: 83 Resp: 19560

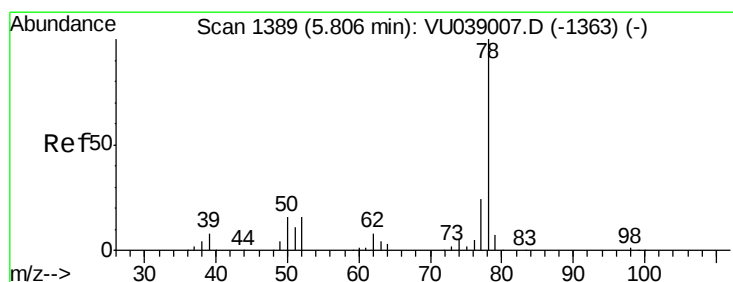
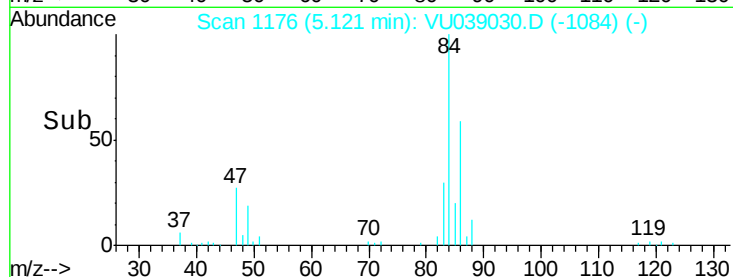
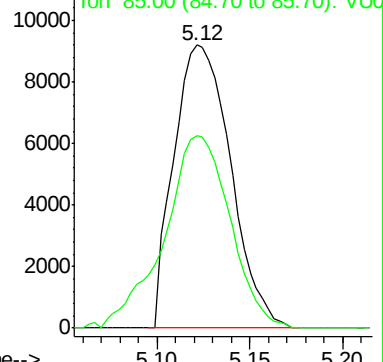
Ion Ratio Lower Upper

83 100

85 68.2 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VU039030.D (-1084) (-)



#33

Benzene

Concen: 0.815 ug/L

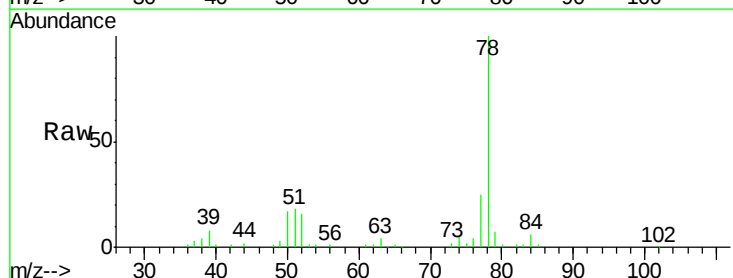
RT: 5.81 min Scan# 1389

Delta R.T. 0.00 min

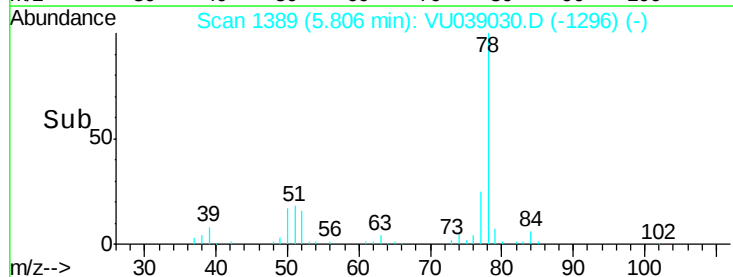
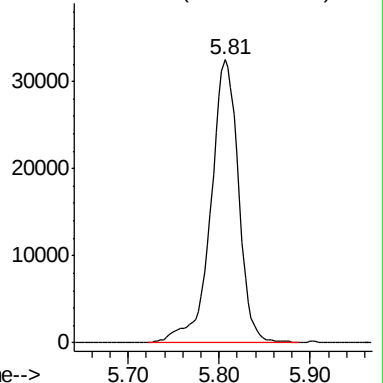
Lab File: VU039030.D

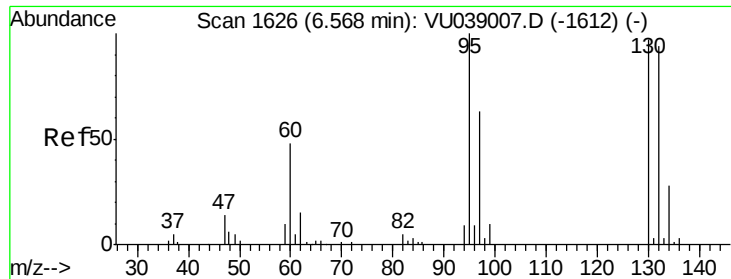
Acq: 23 Jun 2020 01:30

Tgt Ion: 78 Resp: 68814



Abundance Ion 78.10 (77.80 to 78.80): VU039030.D (-1296) (-)

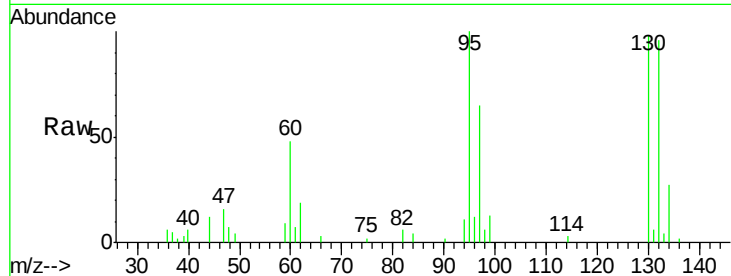




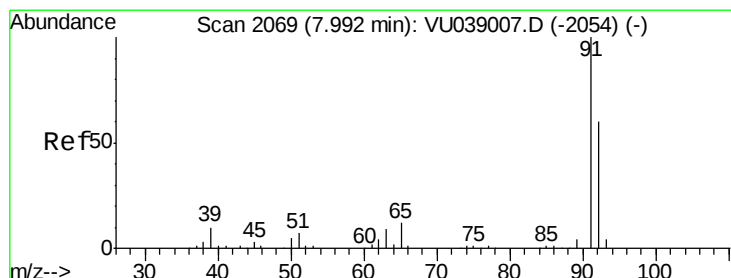
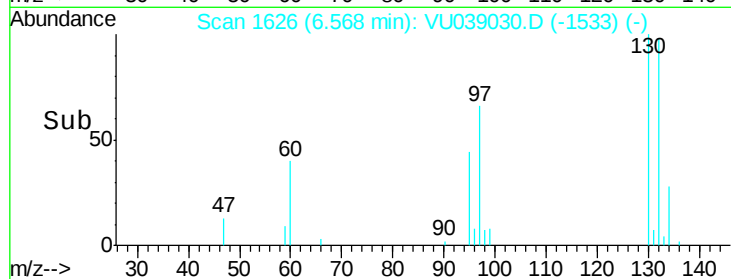
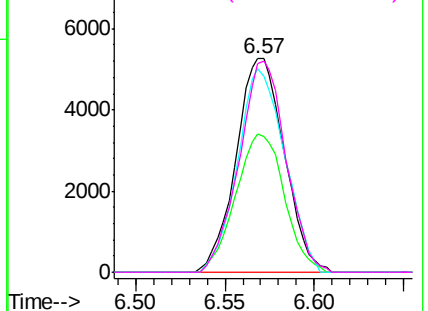
#34
 Trichloroethene
 Concen: 0.469 ug/L
 RT: 6.57 min Scan# 1626
 Delta R.T. 0.00 min
 Lab File: VU039030.D
 Acq: 23 Jun 2020 01:30

Instrument :
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 F9L46

Tot Ion: 95 Resp: 9894
 Ion Ratio Lower Upper
 95 100
 97 65.0 46.0 85.4
 132 95.5 65.0 120.6
 130 97.9 68.0 126.2

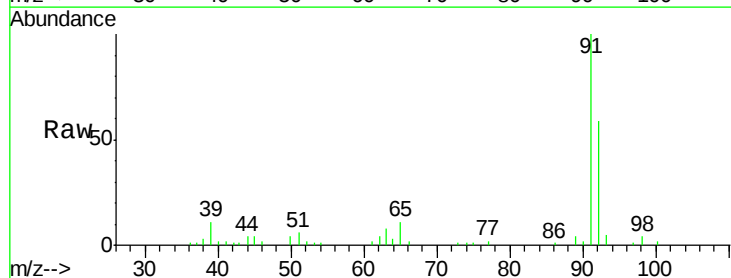


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

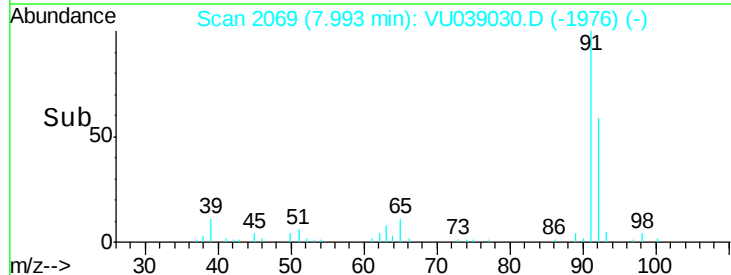
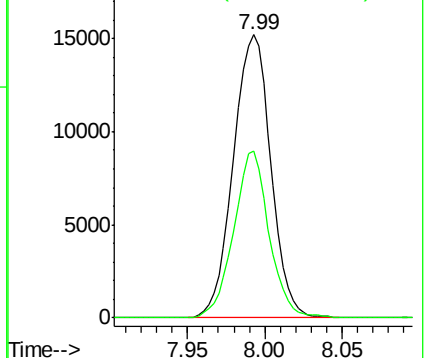


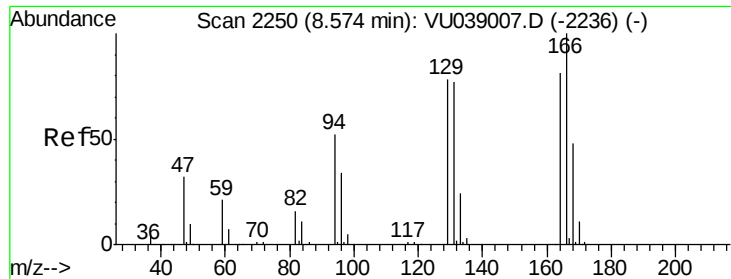
#42
 Toluene
 Concen: 0.302 ug/L
 RT: 7.99 min Scan# 2069
 Delta R.T. 0.00 min
 Lab File: VU039030.D
 Acq: 23 Jun 2020 01:30

Tgt Ion: 91 Resp: 25626
 Ion Ratio Lower Upper
 91 100
 92 59.0 40.9 76.0



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





#47

Tetrachloroethene

Concen: 1.482 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. 0.00 min

Lab File: VU039030.D

Acq: 23 Jun 2020 01:30

Instrument :

MSVOA_U

ClientSampleId :

F9L46

Tot Ion:164 Resp: 21993

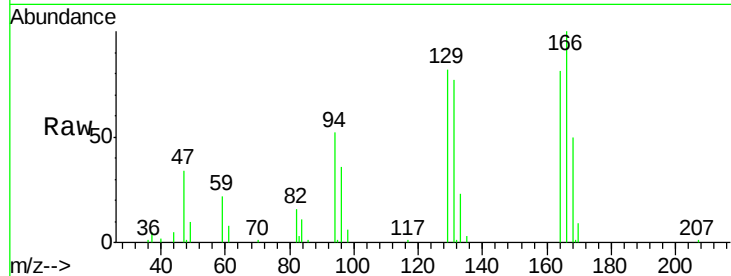
Ion Ratio Lower Upper

164 100

129 102.1 69.2 128.6

131 95.1 66.9 124.3

166 123.8 93.0 172.8

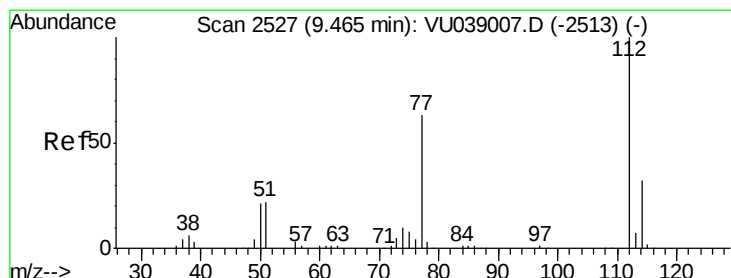
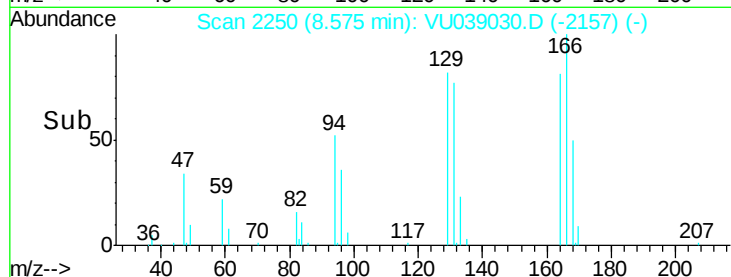
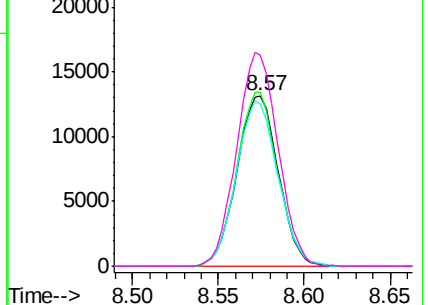


Abundance Ion 163.90 (163.60 to 164.60): V

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



#51

Chlorobenzene

Concen: 0.210 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. 0.00 min

Lab File: VU039030.D

Acq: 23 Jun 2020 01:30

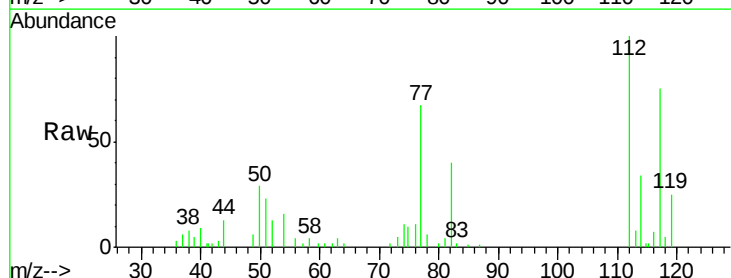
Tgt Ion:112 Resp: 11398

Ion Ratio Lower Upper

112 100

114 33.5 23.0 42.8

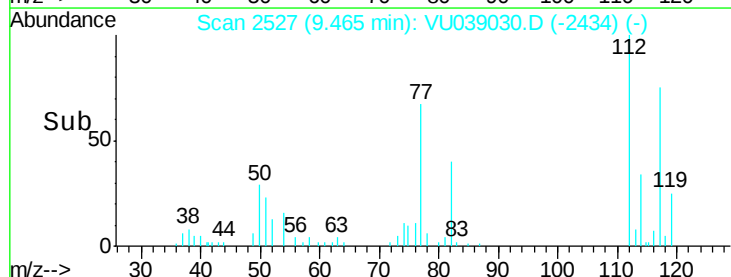
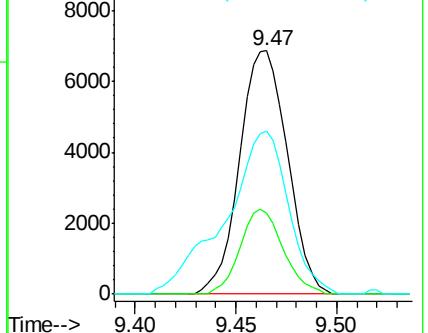
77 66.7 49.2 73.8

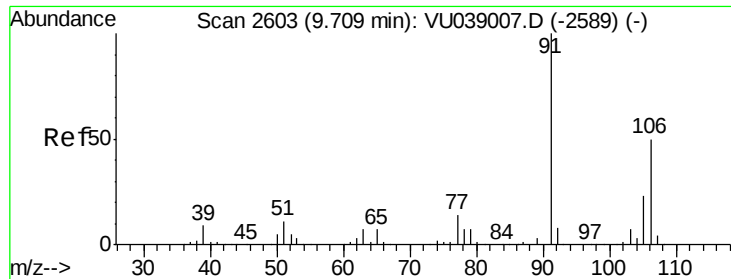


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V





#53
 m,p-Xylene
 Concen: 0.169 ug/L
 RT: 9.71 min Scan# 2604
 Delta R.T. 0.00 min
 Lab File: VU039030.D
 Acq: 23 Jun 2020 01:30

Instrument :
 MSVOA_U
 ClientSampleId :
 F9L46

Tot Ion:106 Resp: 5821
 Ion Ratio Lower Upper
 106 100
 91 207.6 144.4 268.2

