

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062420\
 Data File : VU039096.D
 Acq On : 25 Jun 2020 05:17
 Operator : SY/MD
 Sample : L3110-12
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9F35

Quant Time: Jun 25 06:42:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 25 06:40:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	267848	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.43	117	269378	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	114466	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	96781	4.94	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.80%
7) Chloroethane-d5	1.93	69	89139	5.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.00%
11) 1,1-Dichloroethene-d2	2.59	63	145751	3.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.40%
20) 2-Butanone-d5	4.67	46	419755	59.30	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.60%
24) Chloroform-d	5.10	84	207054	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.40%
26) 1,2-Dichloroethane-d4	5.74	65	128874	5.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.60%
32) Benzene-d6	5.76	84	399617	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.00%
36) 1,2-Dichloropropane-d6	6.72	67	133194	5.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.20%
41) Toluene-d8	7.92	98	310770	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
43) trans-1,3-Dichloropropene-	8.20	79	52144	4.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.60%
46) 2-Hexanone-d5	8.65	63	338170	60.06	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.12%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	121666	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.20%
64) 1,2-Dichlorobenzene-d4	12.20	152	121145	5.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.60%

Target Compounds

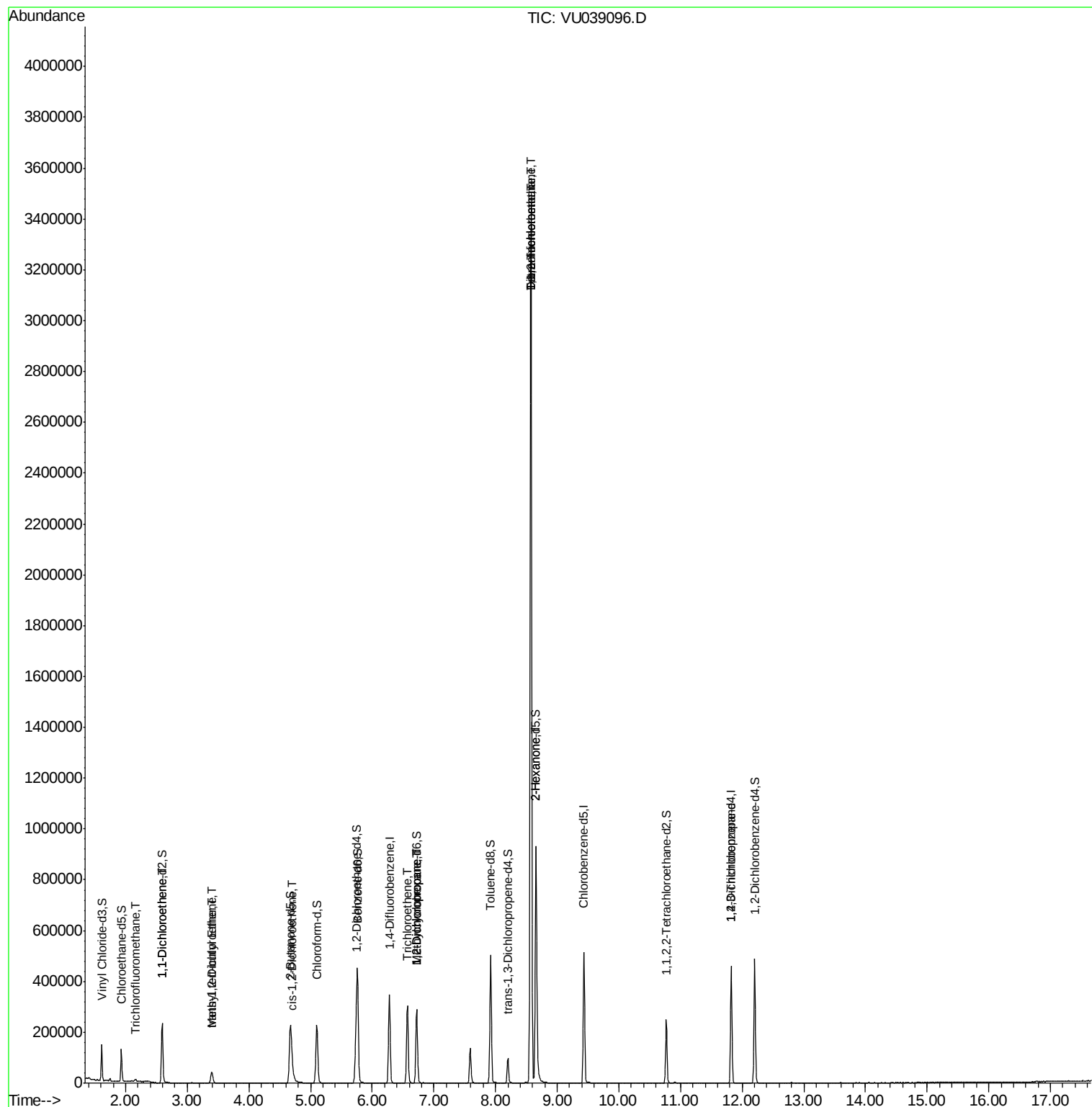
					Ovalue
9) Trichlorofluoromethane	2.16	101	4359	0.131 ug/L	93
12) 1,1-Dichloroethene	2.59	96	1150	0.062 ug/L #	1
17) Methyl tert-butyl Ether	3.40	73	39353	0.745 ug/L	97
18) trans-1,2-Dichloroethene	3.39	96	3016	0.152 ug/L	96
22) cis-1,2-Dichloroethene	4.71	96	3708	0.173 ug/L	88
34) Trichloroethene	6.57	95	101324	4.949 ug/L	98
35) Methylcyclohexane	6.72	83	31045	1.022 ug/L #	18
37) 1,2-Dichloropropane	6.72	63	15533	0.677 ug/L #	87
45) 1,1,2-Trichloroethane	8.57	97	7116	0.418 ug/L #	1
47) Tetrachloroethene	8.57	164	724886	49.127 ug/L	97
48) 2-Hexanone	8.65	43	45505	3.627 ug/L #	69
49) Dibromochloromethane	8.57	129	710708	38.351 ug/L #	10
59) 1,2,3-Trichloropropane	11.82	75	15639	0.905 ug/L #	85

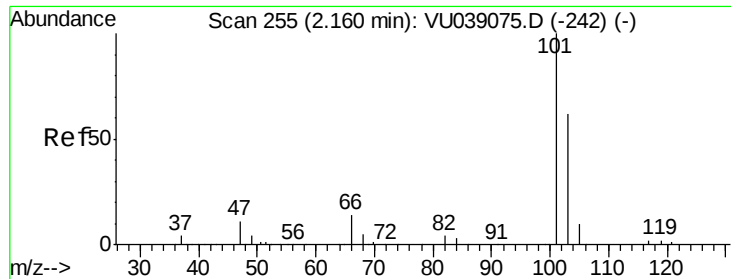
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jun 25 06:40:48 2020
Response via : Initial Calibration





#9

Trichlorofluoromethane

Concen: 0.131 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU039096.D

Acq: 25 Jun 2020 05:17

Instrument :

MSVOA_U

ClientSampleId :

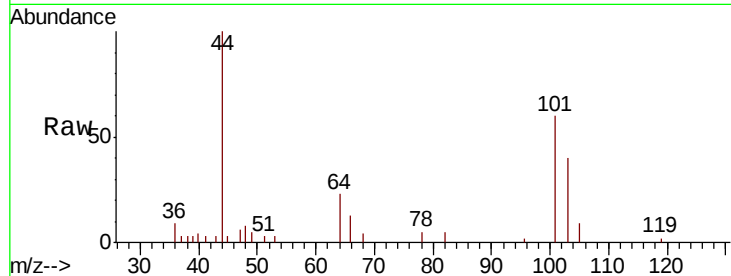
F9F35

Tot Ion:101 Resp: 4359

Ion Ratio Lower Upper

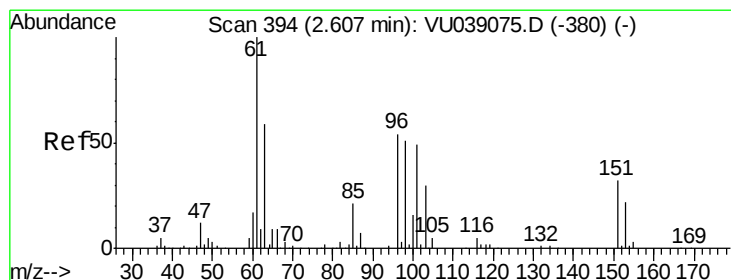
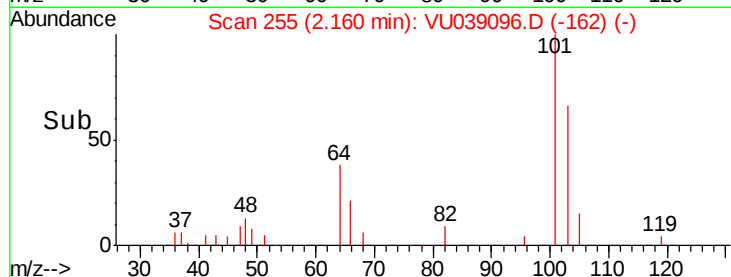
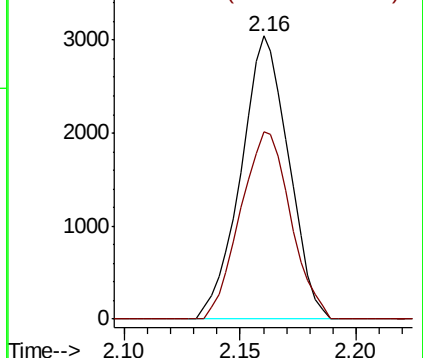
101 100

103 69.6 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1-Dichloroethene

Concen: 0.062 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.02 min

Lab File: VU039096.D

Acq: 25 Jun 2020 05:17

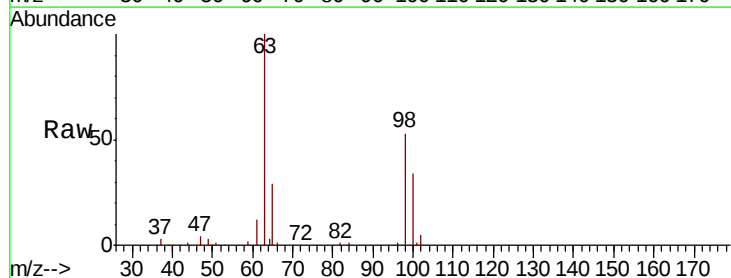
Tgt Ion: 96 Resp: 1150

Ion Ratio Lower Upper

96 100

61 1350.7 125.1 232.3#

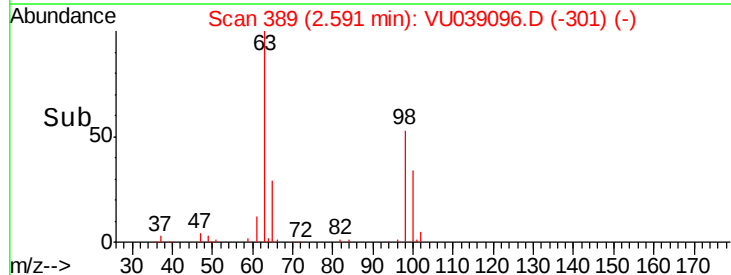
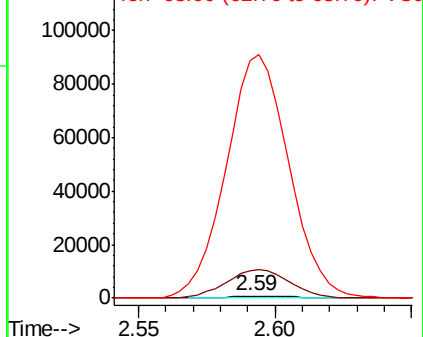
63 11520.4 82.3 152.8#

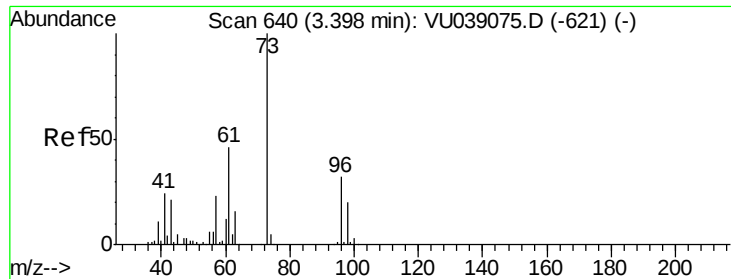


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

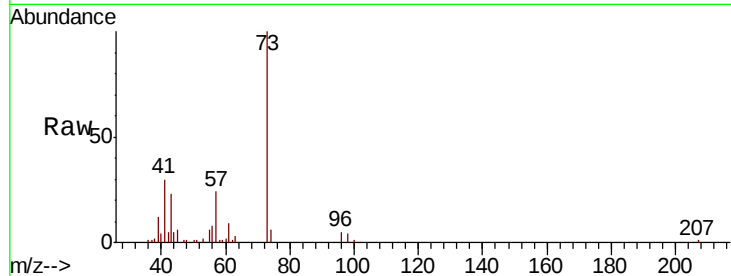




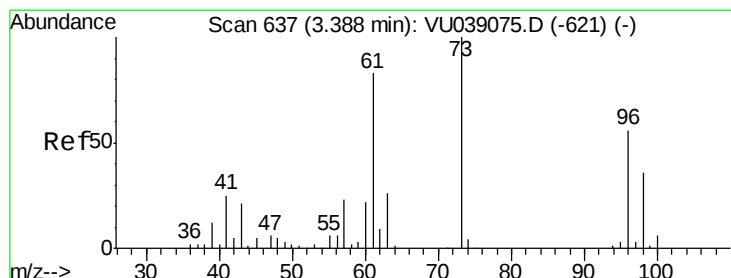
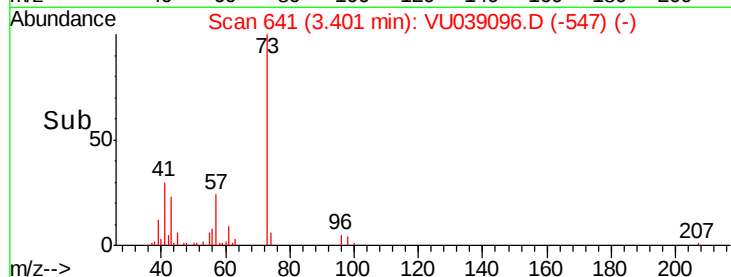
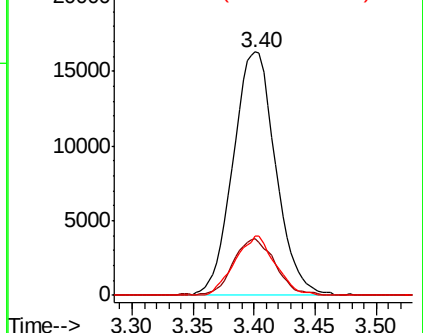
#17
Methvl tert-butvl Ether
Concen: 0.745 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU039096.D
Acq: 25 Jun 2020 05:17

Instrument :
MSVOA_U
ClientSampleId :
F9F35

Tot Ion: 73 Resp: 39353
Ion Ratio Lower Upper
73 100
43 23.0 16.6 24.8
57 23.2 18.2 27.4

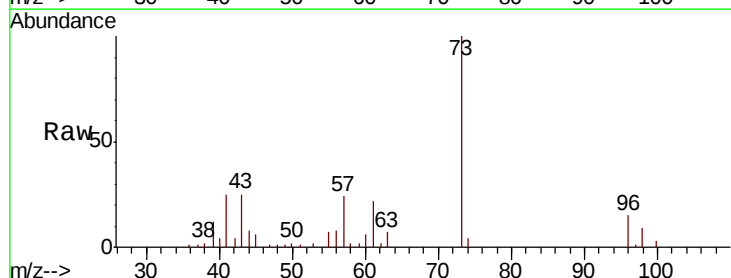


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

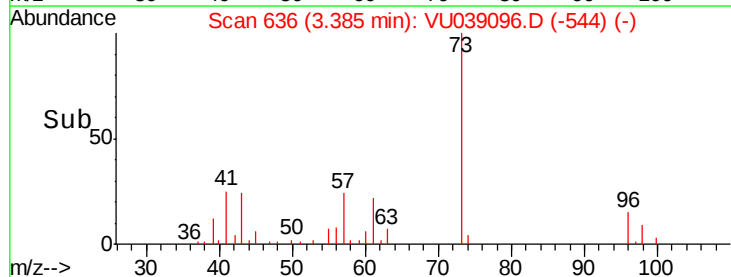
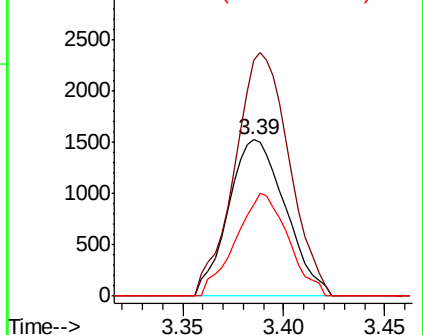


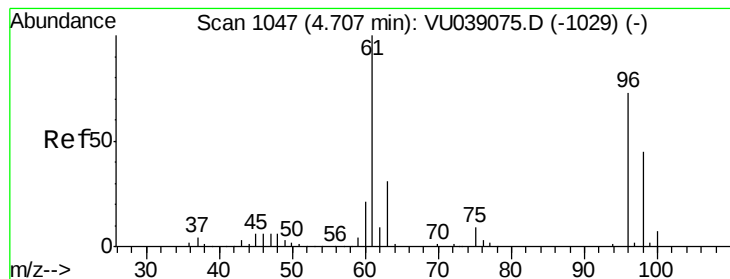
#18
trans-1,2-Dichloroethene
Concen: 0.152 ug/L
RT: 3.39 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU039096.D
Acq: 25 Jun 2020 05:17

Tgt Ion: 96 Resp: 3016
Ion Ratio Lower Upper
96 100
61 150.7 103.5 192.3
98 58.2 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: 0.173 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU039096.D

Acq: 25 Jun 2020 05:17

Instrument :

MSVOA_U

ClientSampled :

F9F35

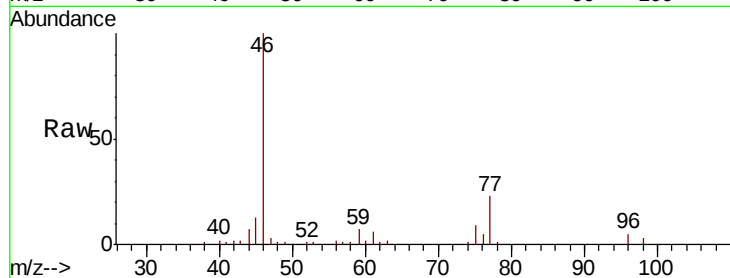
Tot Ion: 96 Resp: 3708

Ion Ratio Lower Upper

96 100

61 129.4 100.8 187.2

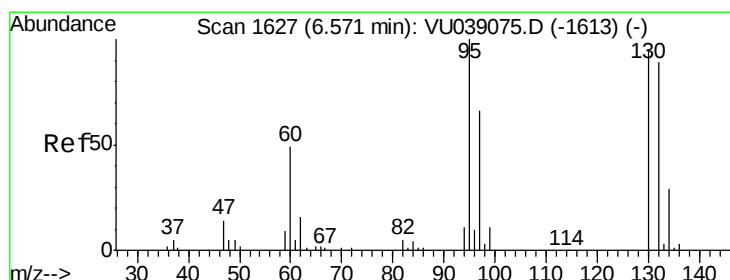
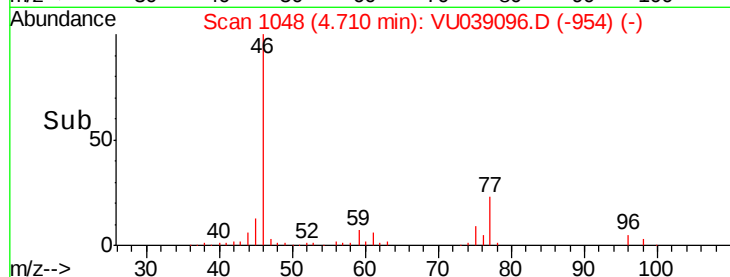
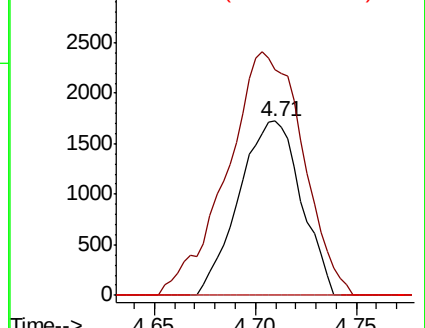
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039096.D (-1534) (-)

Ion 61.05 (60.75 to 61.75): VU039096.D (-1534) (-)

Ion 68.15 (67.85 to 68.85): VU039096.D (-1534) (-)



#34

Trichloroethene

Concen: 4.949 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU039096.D

Acq: 25 Jun 2020 05:17

Tgt Ion: 95 Resp: 101324

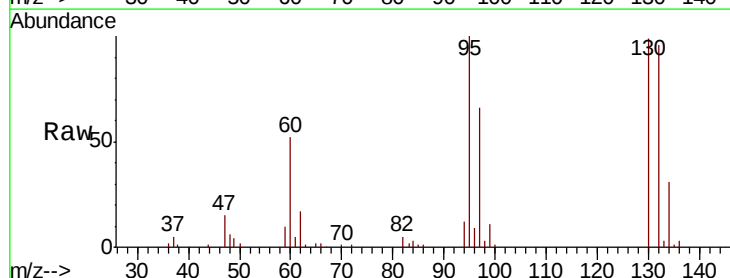
Ion Ratio Lower Upper

95 100

97 66.3 45.1 83.7

132 96.2 65.1 120.9

130 99.4 68.6 127.4

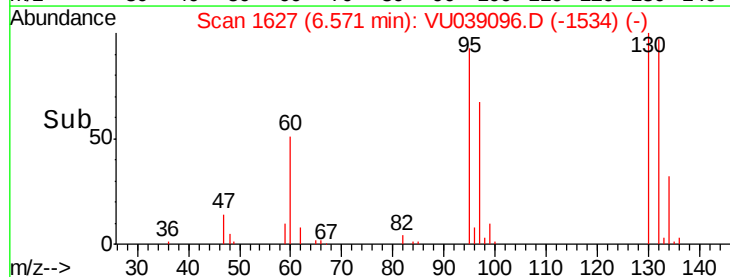
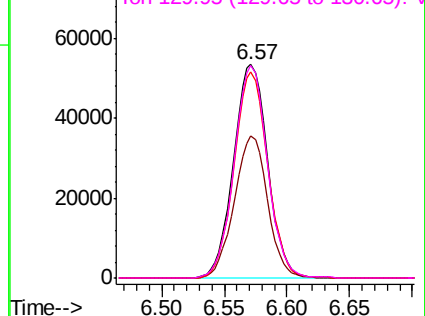


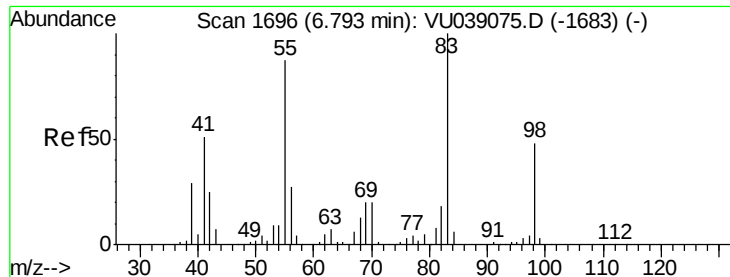
Abundance Ion 95.00 (94.70 to 95.70): VU039096.D (-1534) (-)

Ion 96.95 (96.65 to 97.65): VU039096.D (-1534) (-)

Ion 131.95 (131.65 to 132.65): VU039096.D (-1534) (-)

Ion 129.95 (129.65 to 130.65): VU039096.D (-1534) (-)

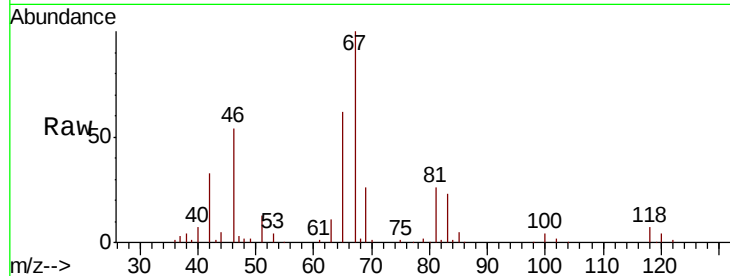




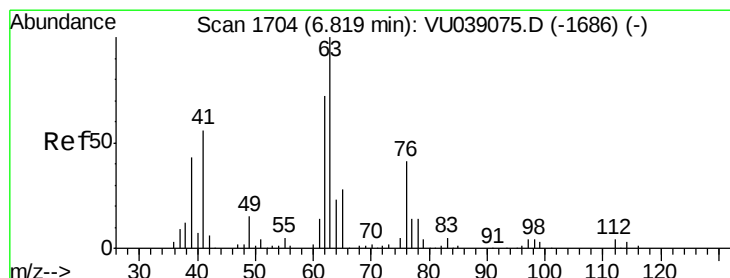
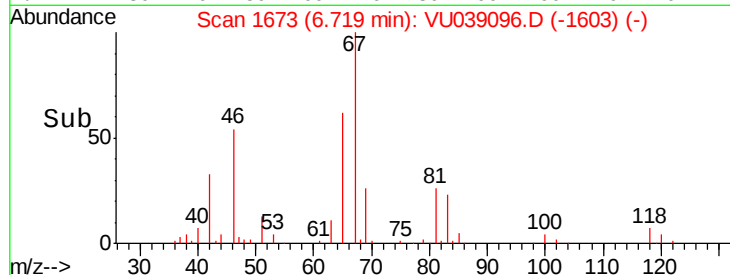
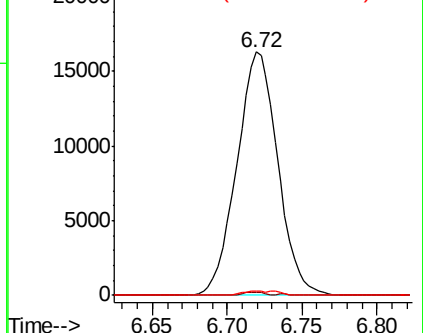
#35
Methvlcvclohexane
Concen: 1.022 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.07 min
Lab File: VU039096.D
Acq: 25 Jun 2020 05:17

Instrument :
MSVOA_U
ClientSampleId :
F9F35

Tot Ion: 83 Resp: 31045
Ion Ratio Lower Upper
83 100
55 0.7 65.5 98.3#
98 1.5 36.5 54.7#

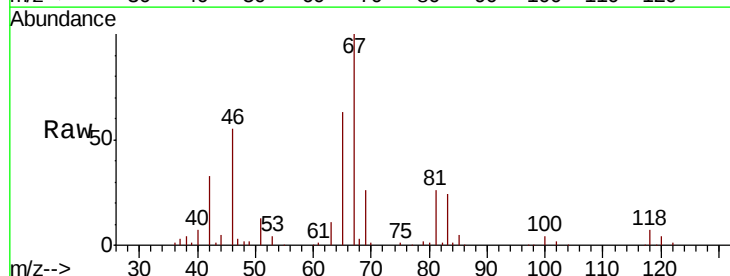


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

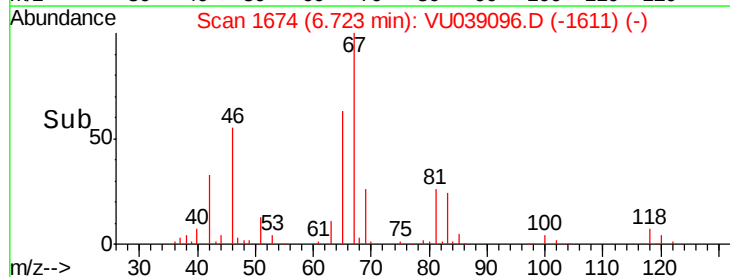
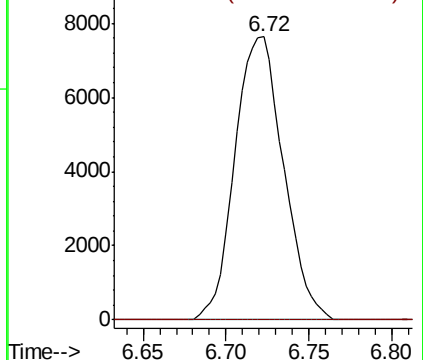


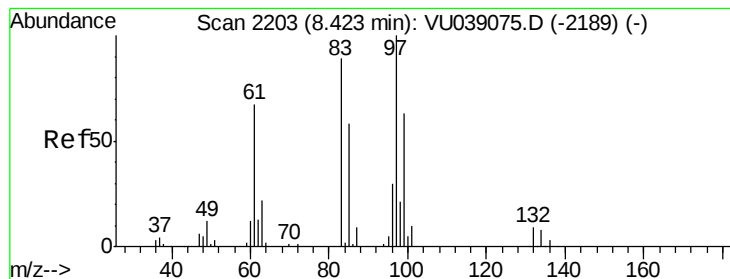
#37
1,2-Dichloropropane
Concen: 0.677 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.10 min
Lab File: VU039096.D
Acq: 25 Jun 2020 05:17

Tgt Ion: 63 Resp: 15533
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#45

1,1,2-Trichloroethane

Concen: 0.418 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. 0.15 min

Lab File: VU039096.D

Acq: 25 Jun 2020 05:17

Instrument :

MSVOA_U

ClientSampled :

F9F35

Tot Ion: 97 Resp: 7116

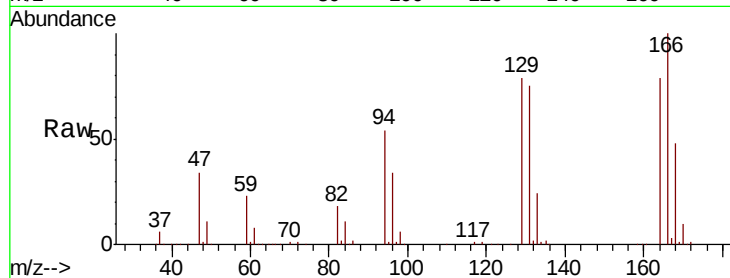
Ion Ratio Lower Upper

97 100

99 17.8 45.4 84.4#

83 275.3 64.4 119.6#

85 39.5 41.7 77.5#

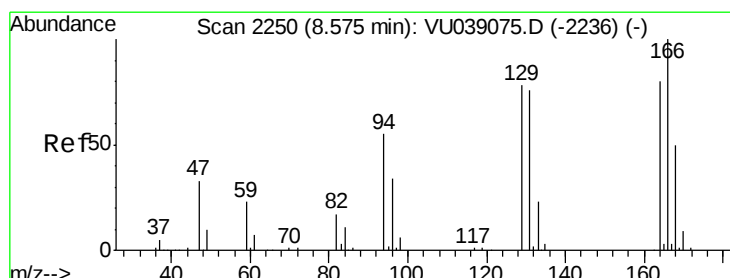
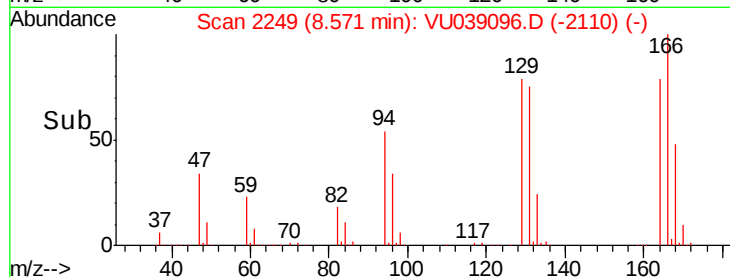
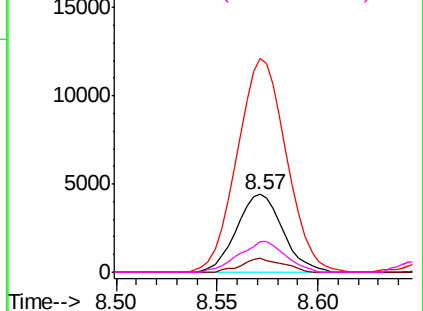


Abundance Ion 96.95 (96.65 to 97.65): VU039096.D (-2110) (-)

Ion 99.05 (98.75 to 99.75): VU039096.D (-2110) (-)

Ion 82.95 (82.65 to 83.65): VU039096.D (-2110) (-)

Ion 85.00 (84.70 to 85.70): VU039096.D (-2110) (-)



#47

Tetrachloroethene

Concen: 49.127 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. 0.00 min

Lab File: VU039096.D

Acq: 25 Jun 2020 05:17

Tgt Ion:164 Resp: 724886

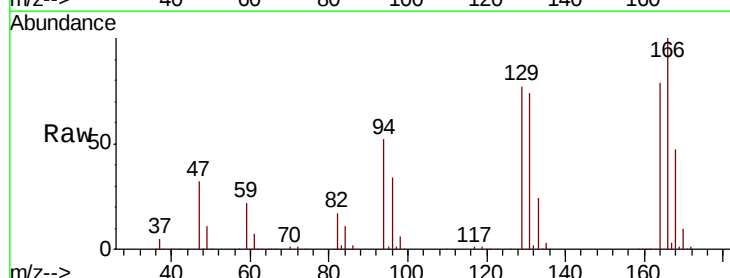
Ion Ratio Lower Upper

164 100

129 98.2 71.3 132.5

131 94.0 68.3 126.8

166 127.4 90.8 168.6

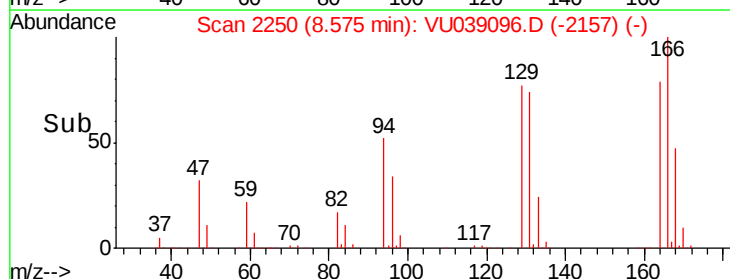
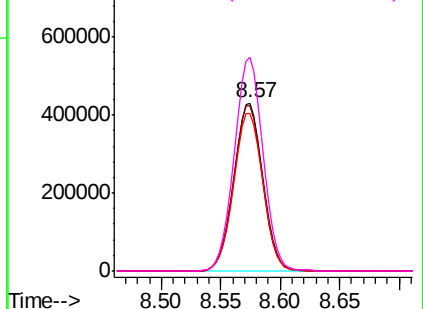


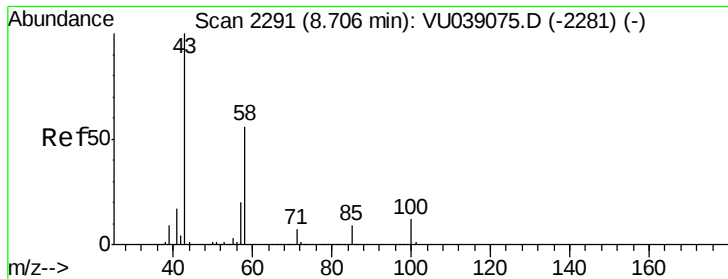
Abundance Ion 163.90 (163.60 to 164.60): VU039096.D (-2157) (-)

Ion 128.95 (128.65 to 129.65): VU039096.D (-2157) (-)

Ion 130.95 (130.65 to 131.65): VU039096.D (-2157) (-)

Ion 165.90 (165.60 to 166.60): VU039096.D (-2157) (-)

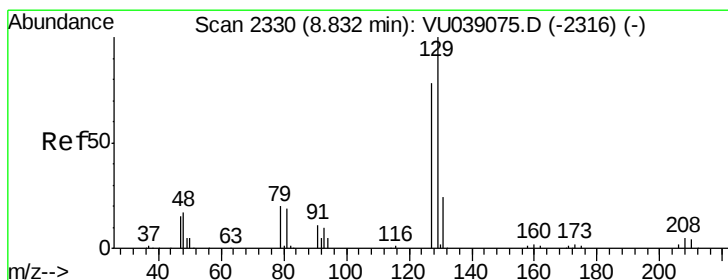
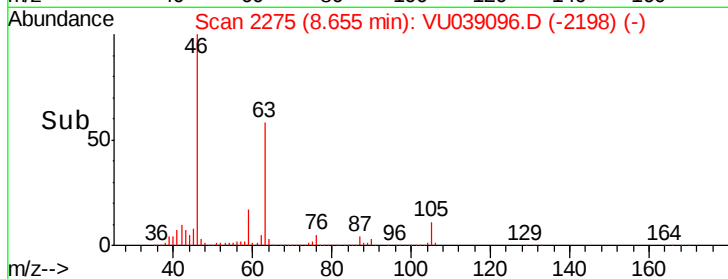
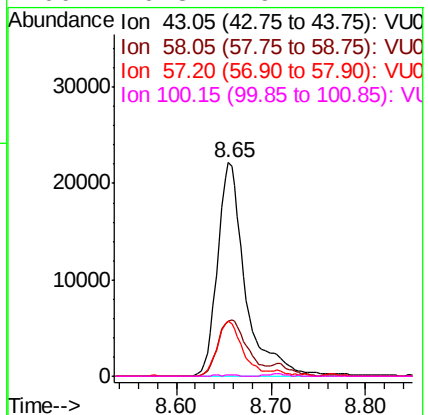
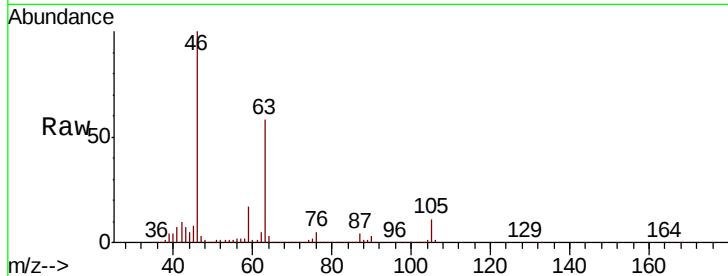




#48
2-Hexanone
Concen: 3.627 ug/L
RT: 8.65 min Scan# 2275
Delta R.T. -0.05 min
Lab File: VU039096.D
Acq: 25 Jun 2020 05:17

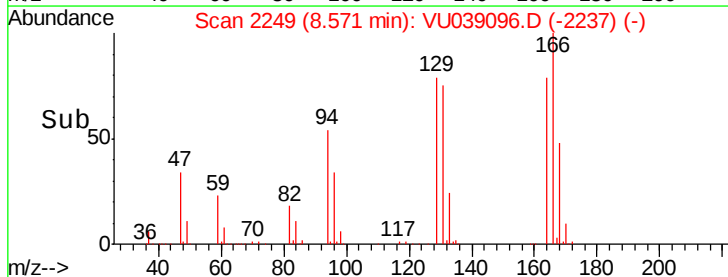
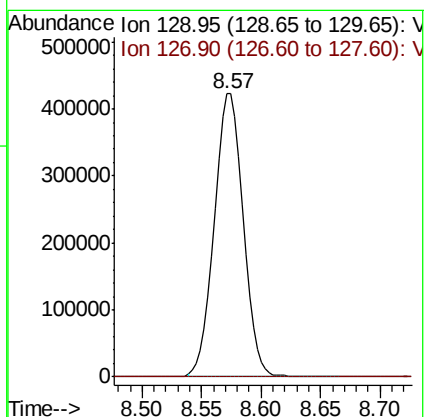
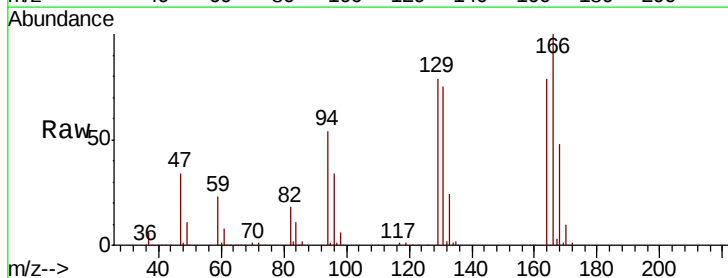
Instrument :
MSVOA_U
ClientSampleId :
F9F35

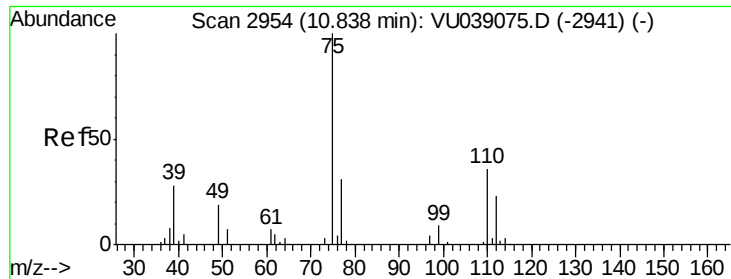
Tot Ion	Ratio	Lower	Upper
43	100		
58	27.5	44.0	66.0#
57	23.0	15.0	22.6#
100	0.3	9.4	14.2#



#49
Dibromochloromethane
Concen: 38.351 ug/L
RT: 8.57 min Scan# 2249
Delta R.T. -0.26 min
Lab File: VU039096.D
Acq: 25 Jun 2020 05:17

Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.4	103.0#





#59

1,2,3-Trichloropropane

Concen: 0.905 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU039096.D

Acq: 25 Jun 2020 05:17

Instrument :

MSVOA_U

ClientSampleId :

F9F35

Tot Ion: 75 Resp: 15639

Ion Ratio Lower Upper

75 100

77 41.1 26.2 39.2#

