

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091420\
 Data File : VU040113.D
 Acq On : 14 Sep 2020 12:07
 Operator : SY/MD
 Sample : L3945-18
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 15 02:13:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 15 01:48:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	115113	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	112476	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	52646	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	32959	5.24	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.80%
7) Chloroethane-d5	1.92	69	28778	5.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.00%
11) 1,1-Dichloroethene-d2	2.58	63	55894	3.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.40%
20) 2-Butanone-d5	4.66	46	113927	45.32	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.64%
24) Chloroform-d	5.08	84	65994	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
26) 1,2-Dichloroethane-d4	5.72	65	41673	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
32) Benzene-d6	5.74	84	124467	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	6.70	67	39832	4.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.00%
41) Toluene-d8	7.91	98	102651	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.60%
43) trans-1,3-Dichloropropene-	8.19	79	16371	4.12	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.40%
46) 2-Hexanone-d5	8.64	63	82102	43.59	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.18%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	33647	4.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	40764	4.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.60%

Target Compounds

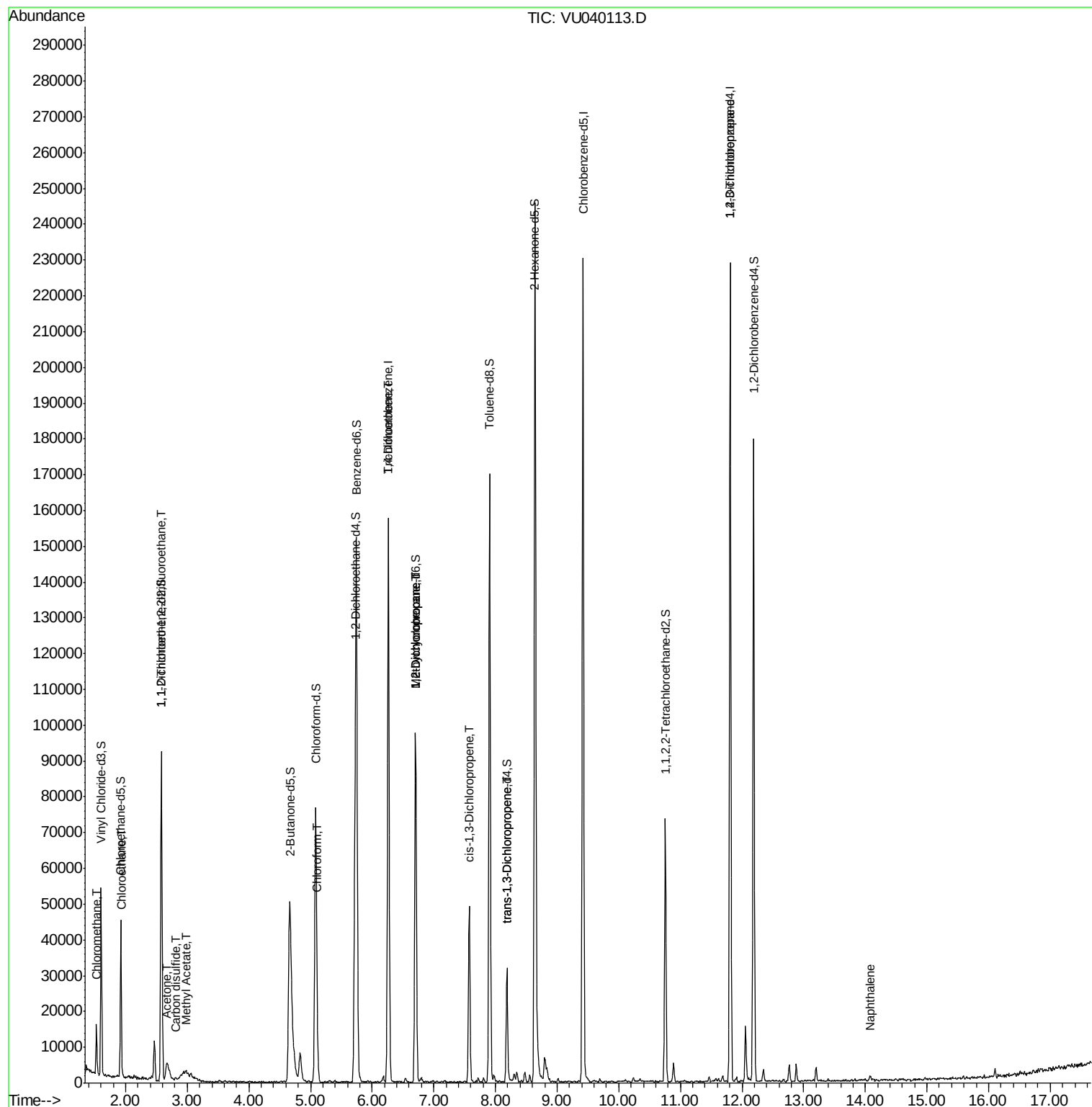
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	9759	0.892	ug/L	98
8) Chloroethane	1.94	64	432	0.065	ug/L #	42
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	501	0.049	ug/L #	22
13) Acetone	2.68	43	13809	5.934	ug/L	100
14) Carbon disulfide	2.81	76	1313	0.046	ug/L #	75
15) Methyl Acetate	2.98	43	522	0.089	ug/L #	54
25) Chloroform	5.11	83	6503	0.322	ug/L	91
34) Trichloroethene	6.27	95	2136	0.198	ug/L #	9
35) Methylcyclohexane	6.70	83	9213	0.557	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	4680	0.430	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1368	0.085	ug/L #	77
44) trans-1,3-Dichloropropene	8.19	75	884	0.059	ug/L #	7
59) 1,2,3-Trichloropropane	11.81	75	8027	0.994	ug/L #	82
69) Naphthalene	14.08	128	1566	0.064	ug/L #	83

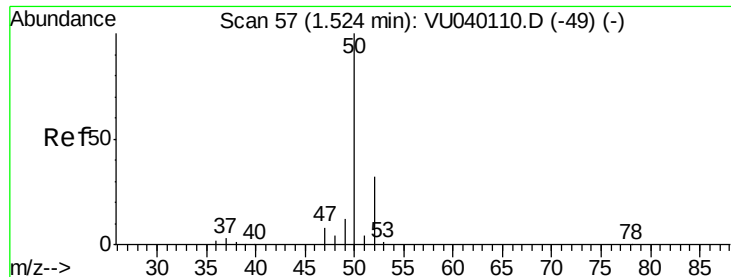
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.892 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040113.D

Acq: 14 Sep 2020 12:07

Instrument :

MSVOA_U

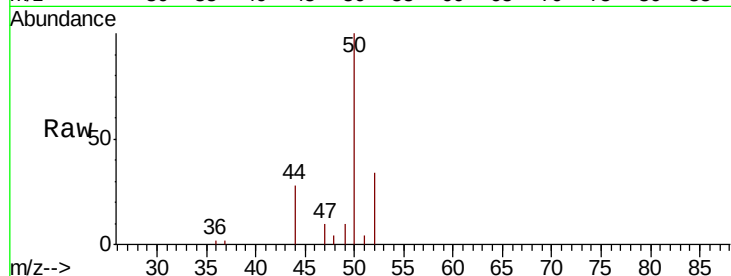
ClientSampleId :

Tot Ion: 50 Resp: 9759

Ion Ratio Lower Upper

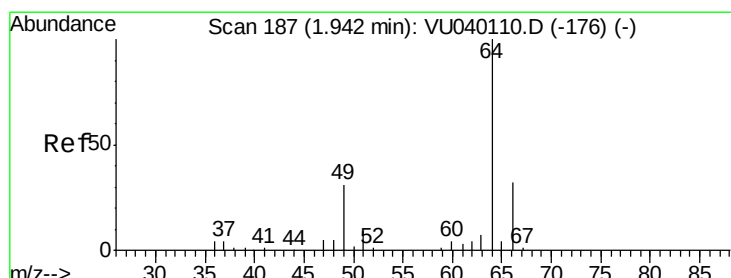
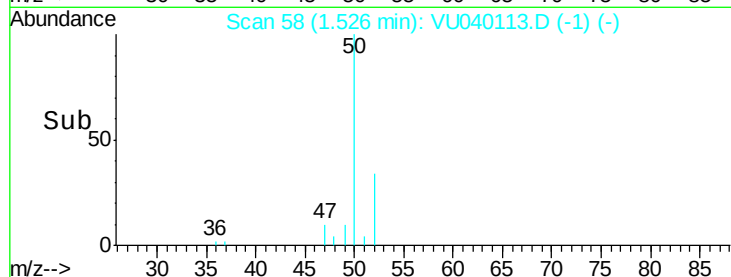
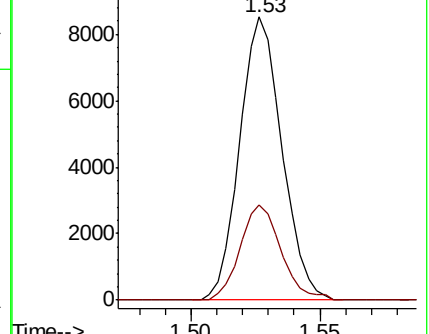
50 100

52 33.8 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#8

Chloroethane

Concen: 0.065 ug/L

RT: 1.94 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU040113.D

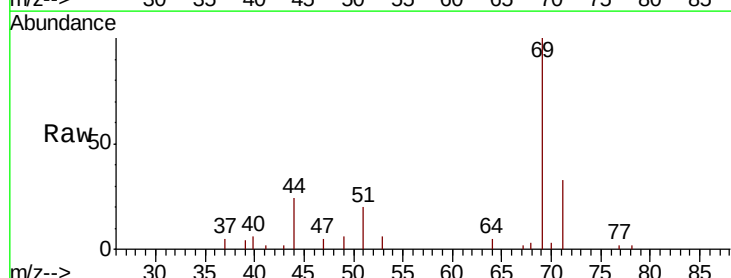
Acq: 14 Sep 2020 12:07

Tgt Ion: 64 Resp: 432

Ion Ratio Lower Upper

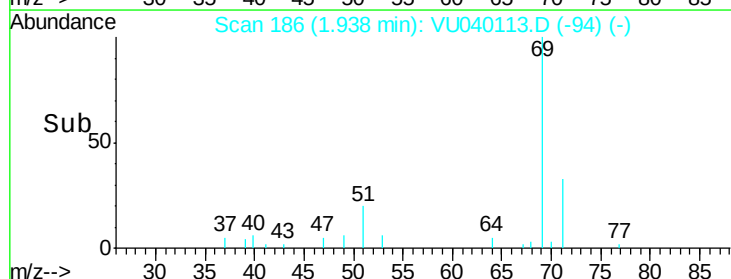
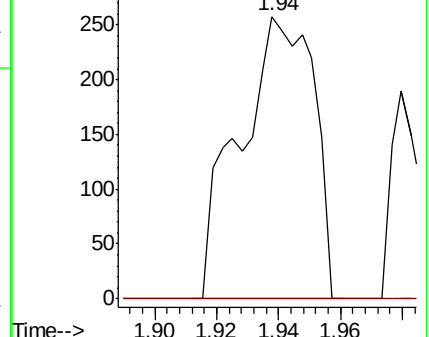
64 100

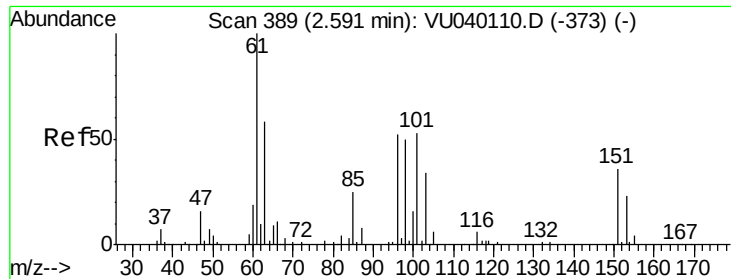
66 0.0 22.7 42.1#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#10

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

Concen: 0.049 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040113.D

Acq: 14 Sep 2020 12:07

Instrument :

MSVOA_U

ClientSampled :

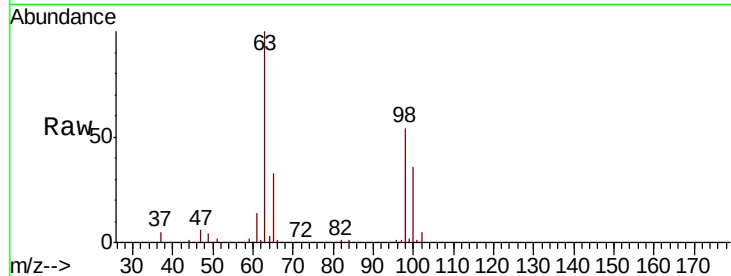
Tot Ion:101 Resp: 501

Ion Ratio Lower Upper

101 100

85 0.0 37.7 56.5#

151 0.0 53.9 80.9#



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

2.58

400

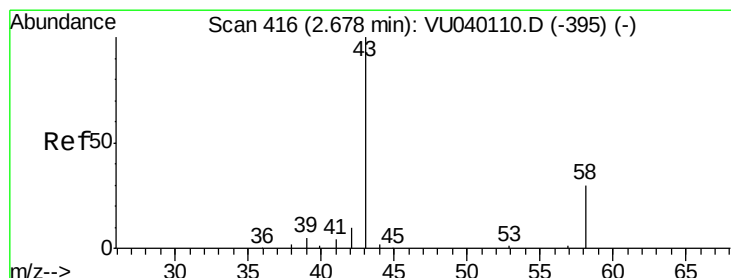
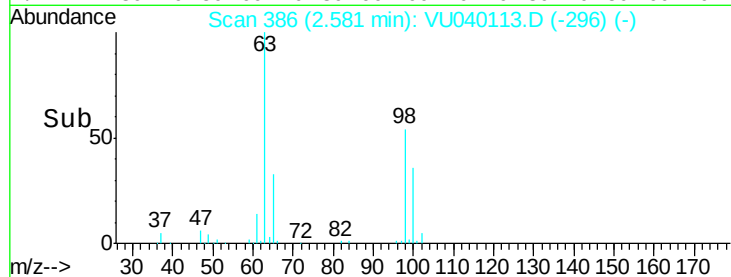
300

200

100

0

Time--> 2.54 2.56 2.58 2.60



#13

Acetone

Concen: 5.934 ug/L

RT: 2.68 min Scan# 417

Delta R.T. 0.00 min

Lab File: VU040113.D

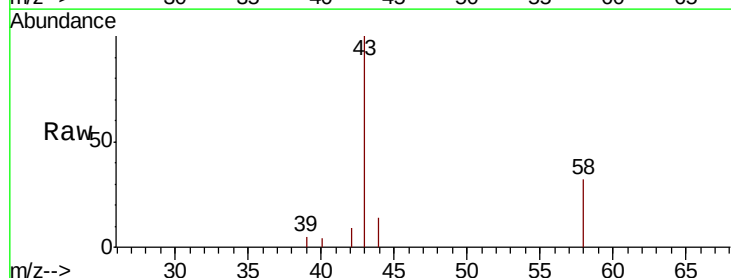
Acq: 14 Sep 2020 12:07

Tgt Ion: 43 Resp: 13809

Ion Ratio Lower Upper

43 100

58 27.9 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.68

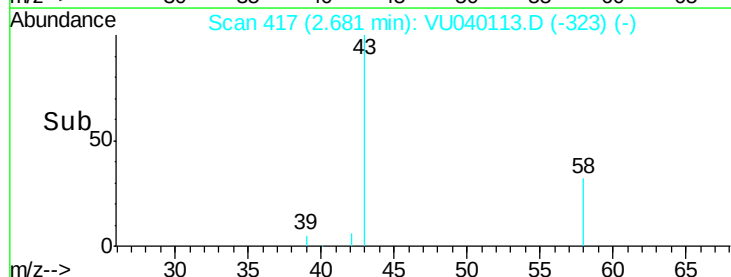
3000

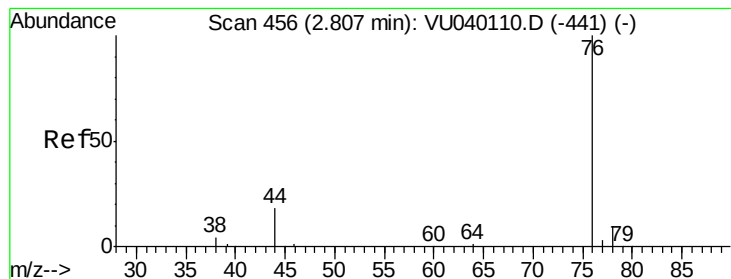
2000

1000

0

Time--> 2.60 2.70 2.80





#14

Carbon disulfide

Concen: 0.046 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU040113.D

Acq: 14 Sep 2020 12:07

Instrument :

MSVOA_U

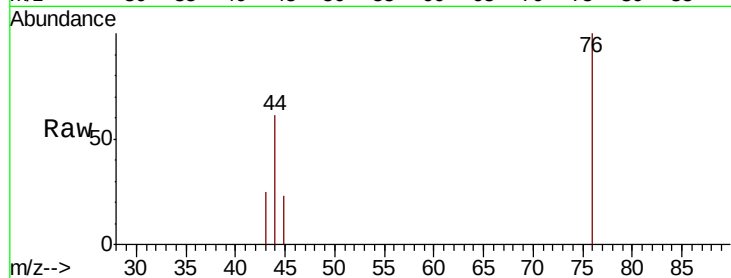
ClientSampleId :

Tot Ion: 76 Resp: 1313

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.81

800

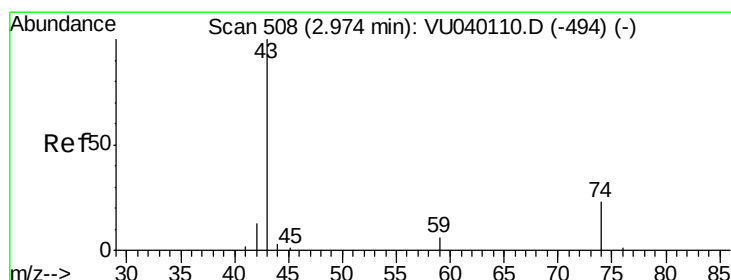
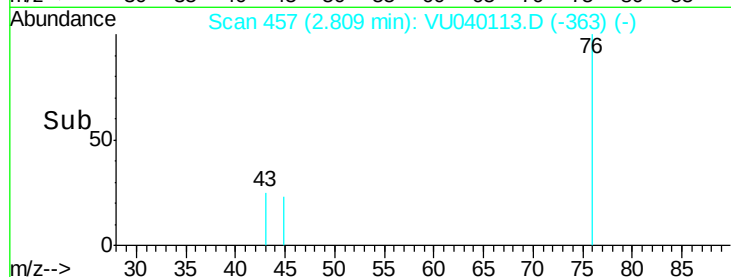
600

400

200

0

Time-->



#15

Methyl Acetate

Concen: 0.089 ug/L

RT: 2.98 min Scan# 511

Delta R.T. 0.01 min

Lab File: VU040113.D

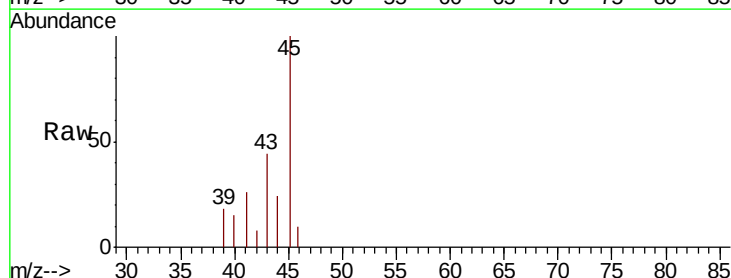
Acq: 14 Sep 2020 12:07

Tgt Ion: 43 Resp: 522

Ion Ratio Lower Upper

43 100

74 0.0 17.4 26.0#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

2.98

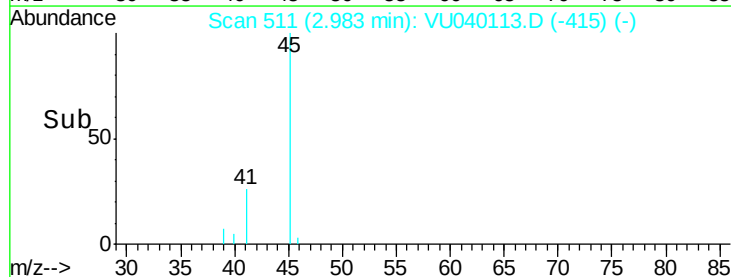
600

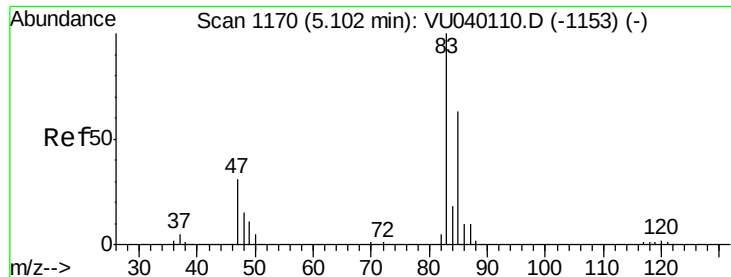
400

200

0

Time-->

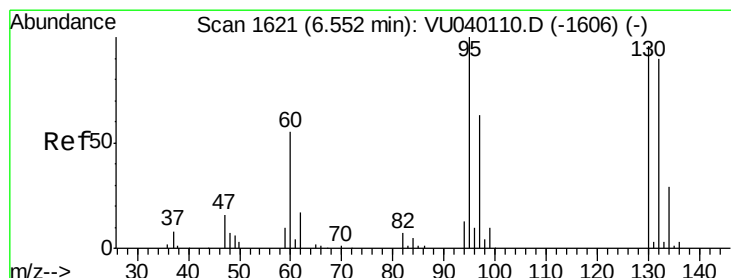
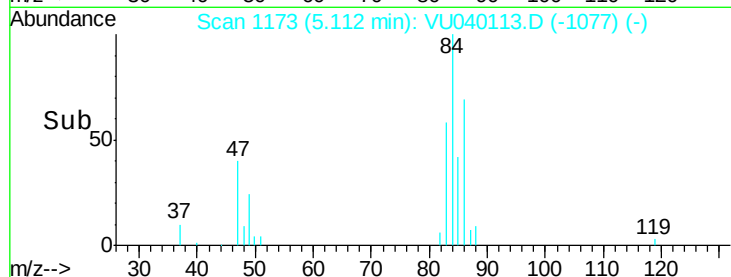
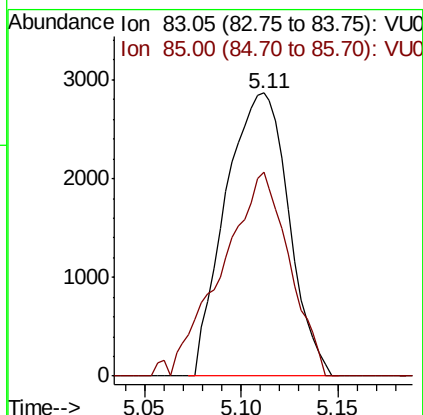
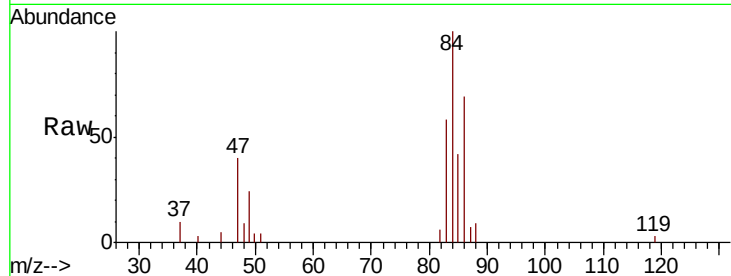




#25
Chloroform
Concen: 0.322 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.01 min
Lab File: VU040113.D
Acq: 14 Sep 2020 12:07

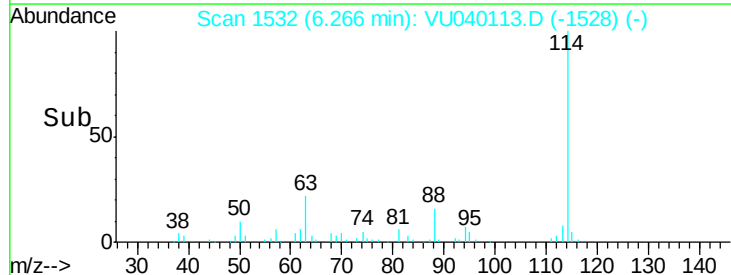
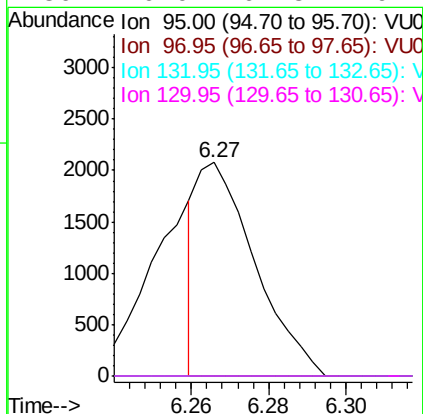
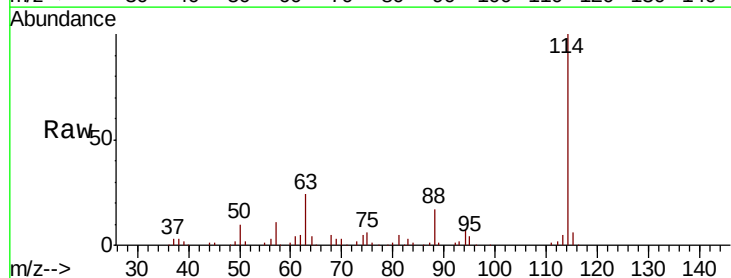
Instrument :
MSVOA_U
ClientSampled :

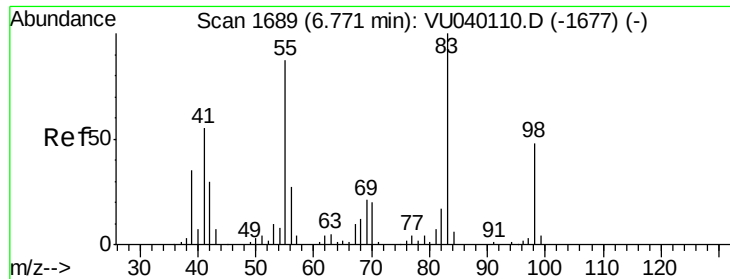
Tot Ion: 83 Resp: 6503
Ion Ratio Lower Upper
83 100
85 72.1 45.3 84.1



#34
Trichloroethene
Concen: 0.198 ug/L
RT: 6.27 min Scan# 1532
Delta R.T. -0.29 min
Lab File: VU040113.D
Acq: 14 Sep 2020 12:07

Tgt Ion: 95 Resp: 2136
Ion Ratio Lower Upper
95 100
97 0.0 43.3 80.5#
132 0.0 59.4 110.4#
130 0.0 64.8 120.4#

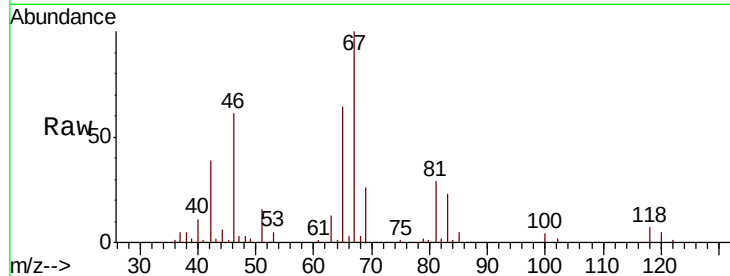




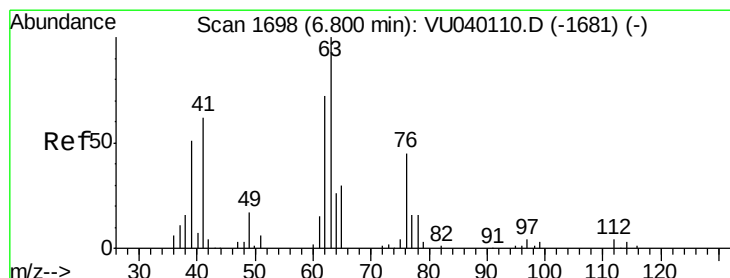
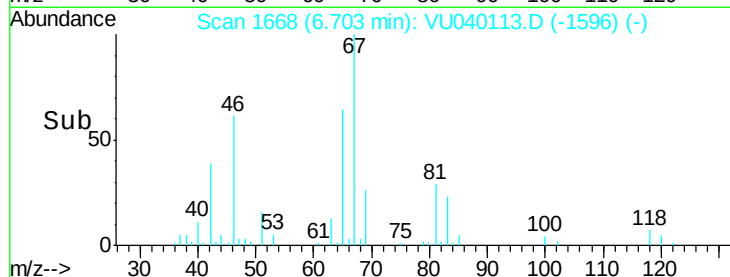
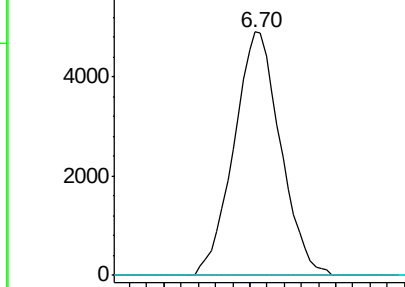
#35
Methylvlcyclohexane
Concen: 0.557 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040113.D
Acq: 14 Sep 2020 12:07

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 9213
Ion Ratio Lower Upper
83 100
55 0.0 70.5 105.7#
98 0.5 37.8 56.6#

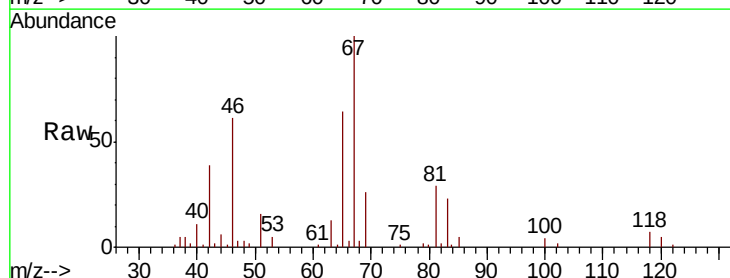


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

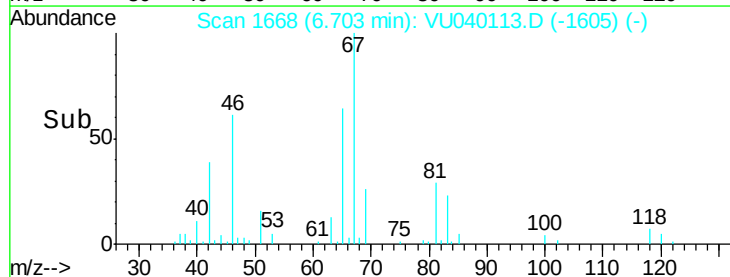
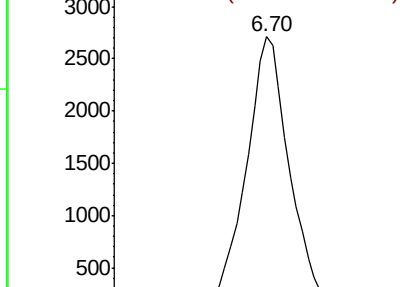


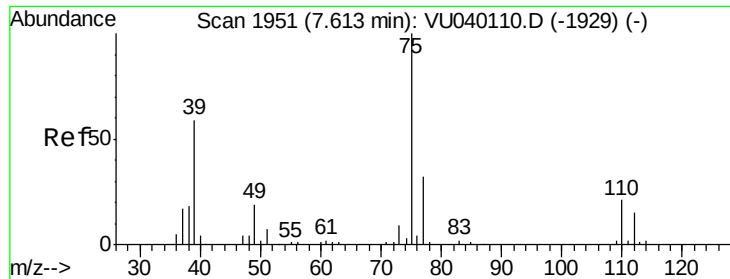
#37
1,2-Dichloropropane
Concen: 0.430 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040113.D
Acq: 14 Sep 2020 12:07

Tgt Ion: 63 Resp: 4680
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



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

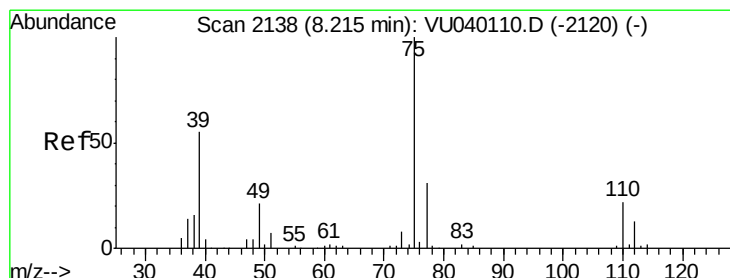
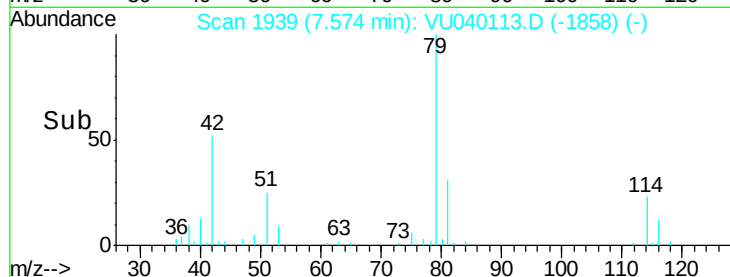
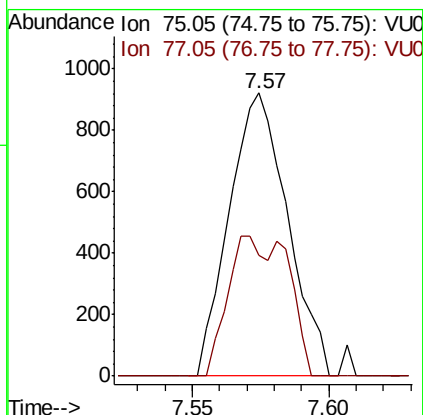
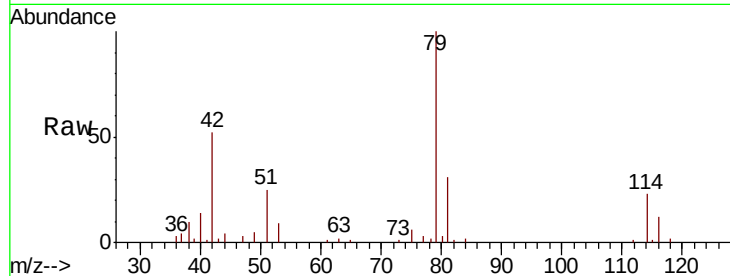




#39
 cis-1,3-Dichloropropene
 Concen: 0.085 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040113.D
 Acq: 14 Sep 2020 12:07

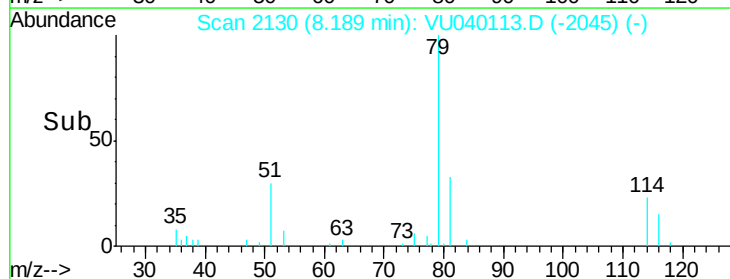
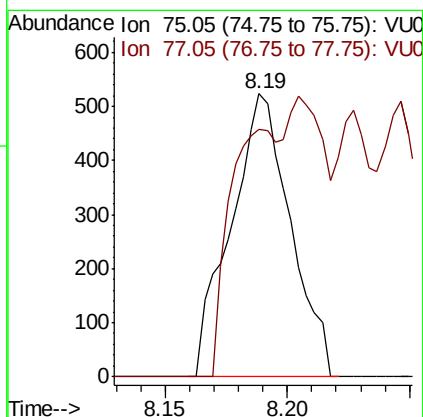
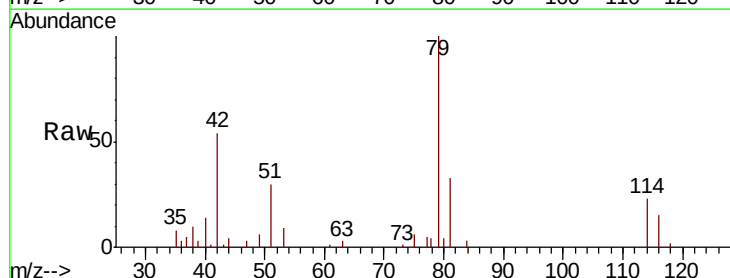
Instrument :
 MSVOA_U
 ClientSampled :

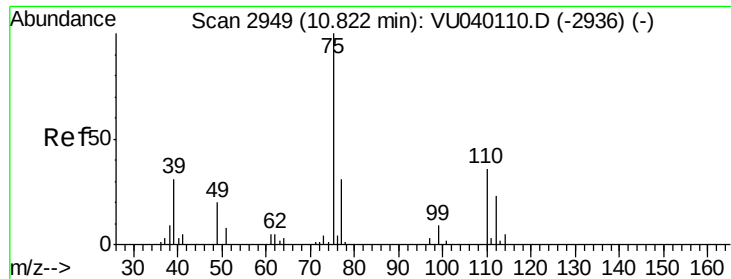
Tot Ion: 75 Resp: 1368
 Ion Ratio Lower Upper
 75 100
 77 42.5 21.1 39.3#



#44
 trans-1,3-Dichloropropene
 Concen: 0.059 ug/L
 RT: 8.19 min Scan# 2130
 Delta R.T. -0.03 min
 Lab File: VU040113.D
 Acq: 14 Sep 2020 12:07

Tgt Ion: 75 Resp: 884
 Ion Ratio Lower Upper
 75 100
 77 87.6 23.9 44.3#





#59

1,2,3-Trichloropropane

Concen: 0.994 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040113.D

Acq: 14 Sep 2020 12:07

Instrument :

MSVOA_U

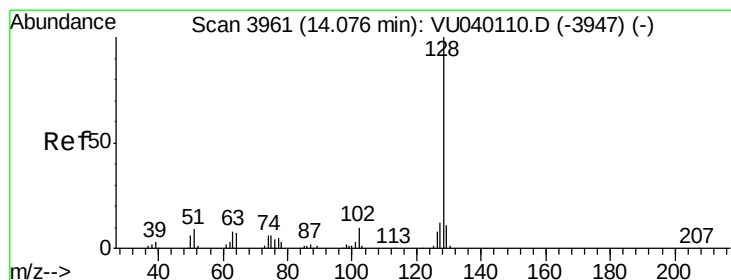
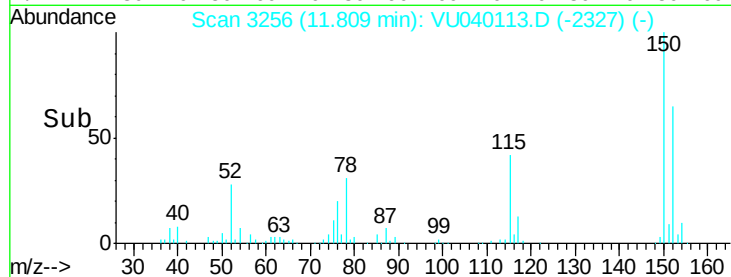
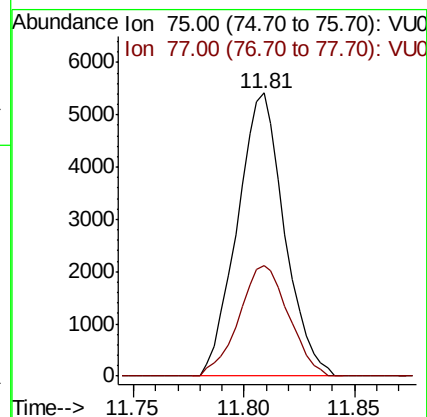
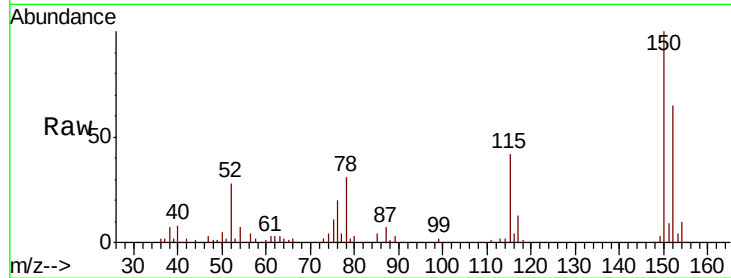
ClientSampled :

Tot Ion: 75 Resp: 8027

Ion Ratio Lower Upper

75 100

77 41.0 24.9 37.3#



#69

Naphthalene

Concen: 0.064 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040113.D

Acq: 14 Sep 2020 12:07

Tgt Ion: 128 Resp: 1566

Ion Ratio Lower Upper

128 100

129 0.0 8.7 13.1#

127 10.4 10.7 16.1#

