

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091420\
 Data File : VU040114.D
 Acq On : 14 Sep 2020 12:30
 Operator : SY/MD
 Sample : L3945-19
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 15 02:14:02 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	115925	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	114818	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	52059	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	33326	5.27	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.40%
7) Chloroethane-d5	1.92	69	27432	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.00%
11) 1,1-Dichloroethene-d2	2.58	63	53601	3.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.00%
20) 2-Butanone-d5	4.66	46	112788	44.55	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.10%
24) Chloroform-d	5.08	84	64719	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
26) 1,2-Dichloroethane-d4	5.72	65	39673	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
32) Benzene-d6	5.74	84	121891	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
36) 1,2-Dichloropropane-d6	6.70	67	38529	4.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.20%
41) Toluene-d8	7.91	98	101287	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.60%
43) trans-1,3-Dichloropropene-	8.19	79	15868	3.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.20%
46) 2-Hexanone-d5	8.64	63	81436	42.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.72%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	34018	4.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	38881	4.62	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.40%

Target Compounds

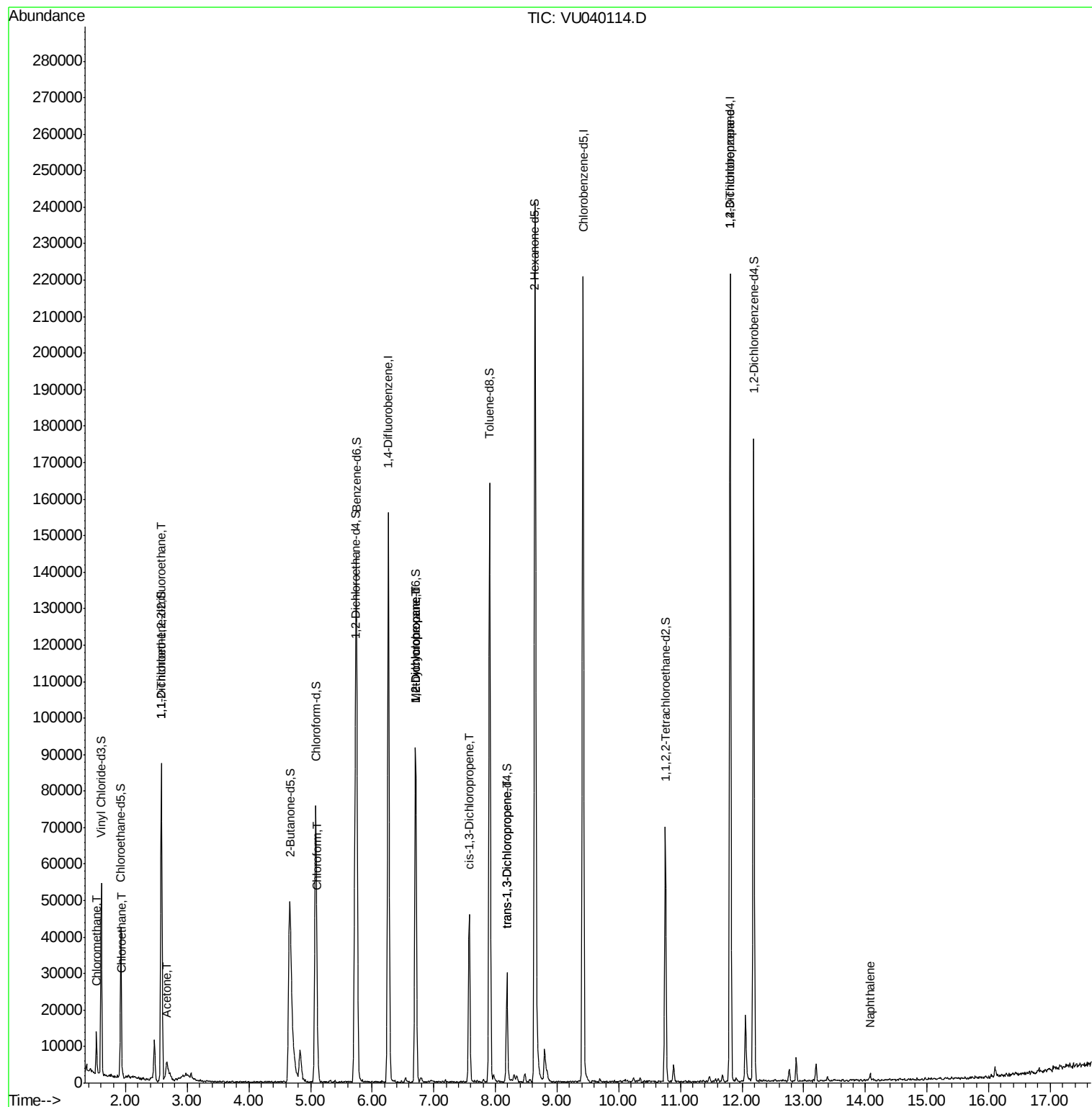
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	7492	0.680	ug/L	98
8) Chloroethane	1.94	64	323	0.048	ug/L #	42
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	526	0.051	ug/L #	22
13) Acetone	2.66	43	9572	4.084	ug/L	98
25) Chloroform	5.11	83	7236	0.356	ug/L	90
35) Methylcyclohexane	6.71	83	10093	0.598	ug/L #	15
37) 1,2-Dichloropropane	6.70	63	4643	0.417	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1482	0.090	ug/L #	62
44) trans-1,3-Dichloropropene	8.19	75	840	0.055	ug/L	86
59) 1,2,3-Trichloropropane	11.81	75	7996	0.970	ug/L #	87
69) Naphthalene	14.08	128	1629	0.068	ug/L	95

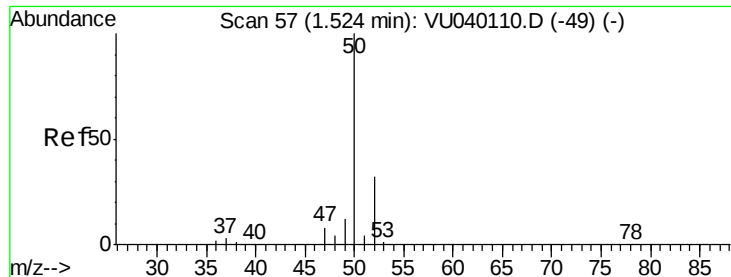
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.680 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040114.D

Acq: 14 Sep 2020 12:30

Instrument :

MSVOA_U

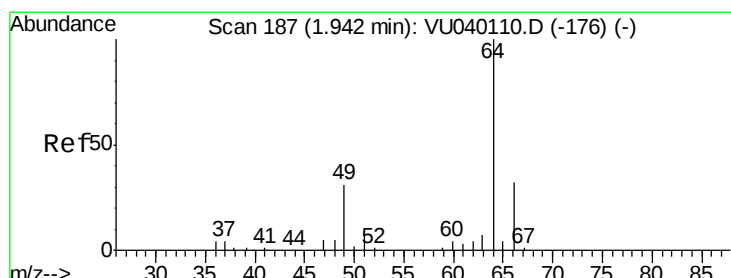
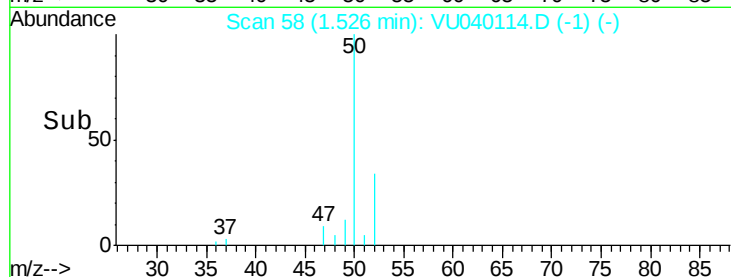
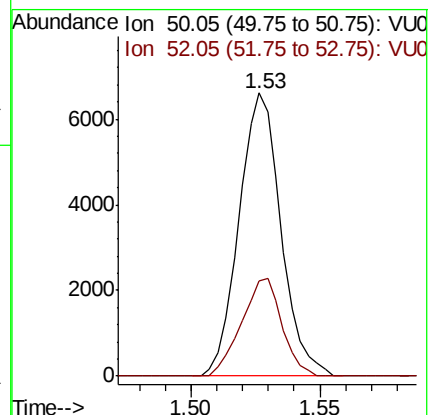
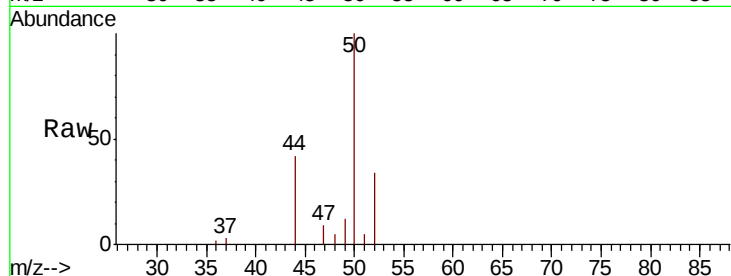
ClientSampleId :

Tot Ion: 50 Resp: 7492

Ion Ratio Lower Upper

50 100

52 33.6 22.8 42.4



#8

Chloroethane

Concen: 0.048 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040114.D

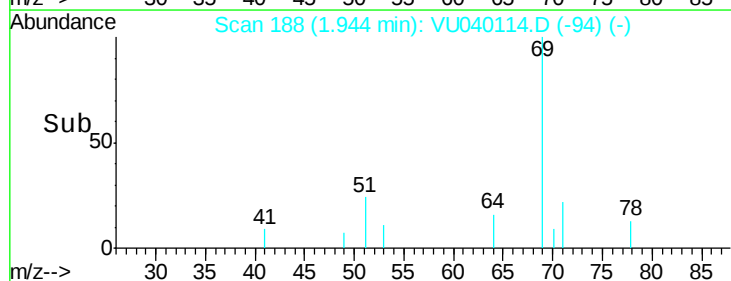
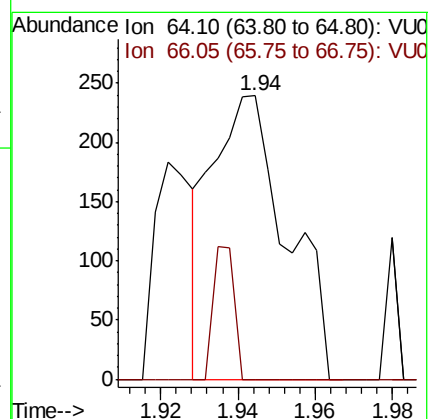
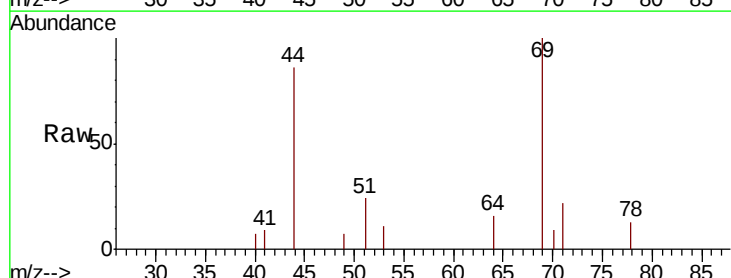
Acq: 14 Sep 2020 12:30

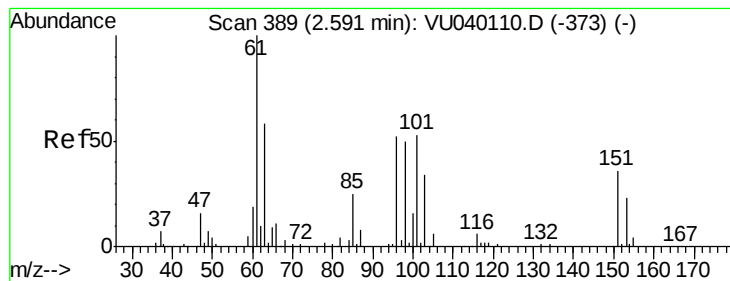
Tgt Ion: 64 Resp: 323

Ion Ratio Lower Upper

64 100

66 0.0 22.7 42.1#





#10

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

Concen: 0.051 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040114.D

Acq: 14 Sep 2020 12:30

Instrument :

MSVOA_U

ClientSampled :

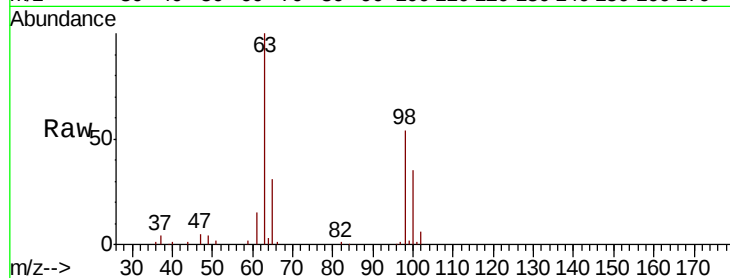
Tot Ion:101 Resp: 526

Ion Ratio Lower Upper

101 100

85 0.0 37.7 56.5#

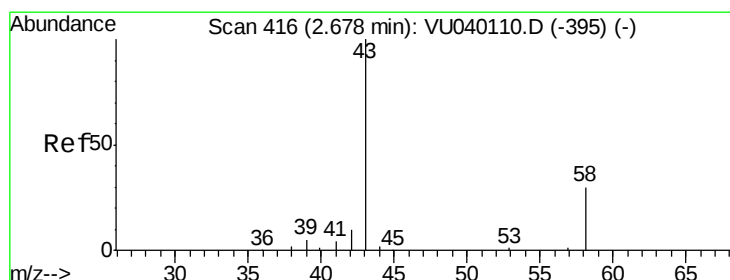
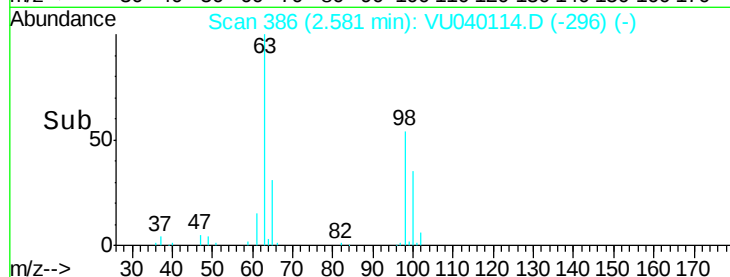
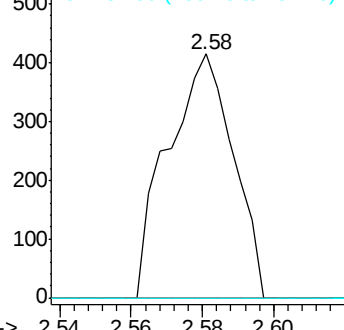
151 0.0 53.9 80.9#



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



#13

Acetone

Concen: 4.084 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.01 min

Lab File: VU040114.D

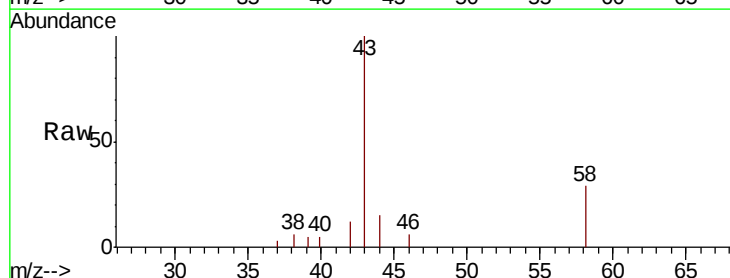
Acq: 14 Sep 2020 12:30

Tgt Ion: 43 Resp: 9572

Ion Ratio Lower Upper

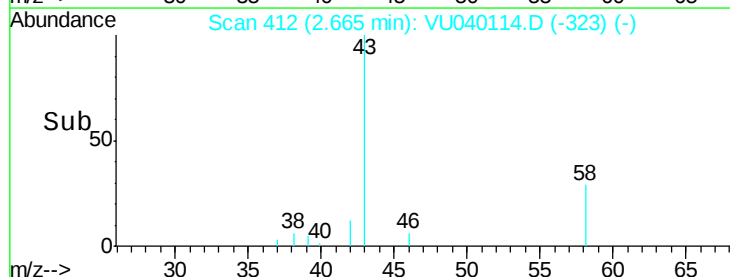
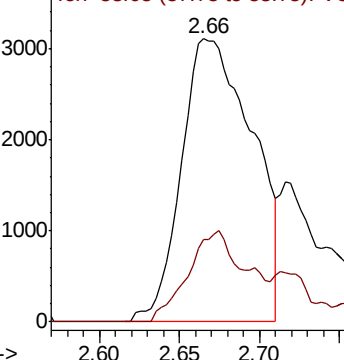
43 100

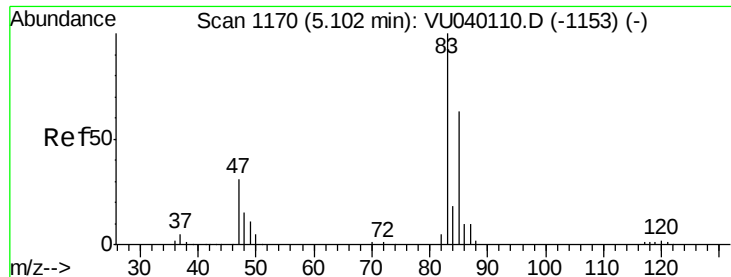
58 26.7 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

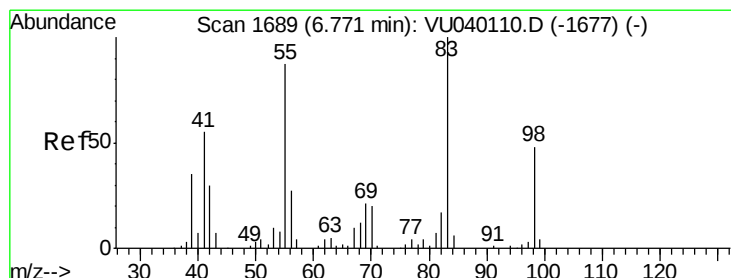
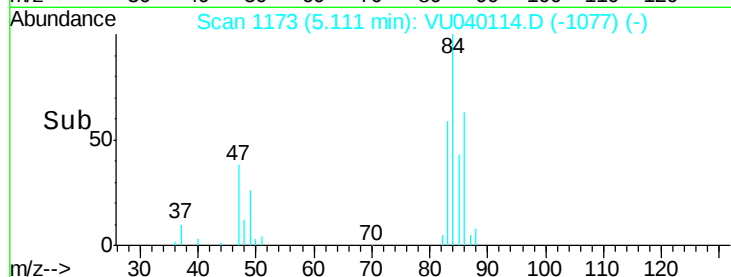
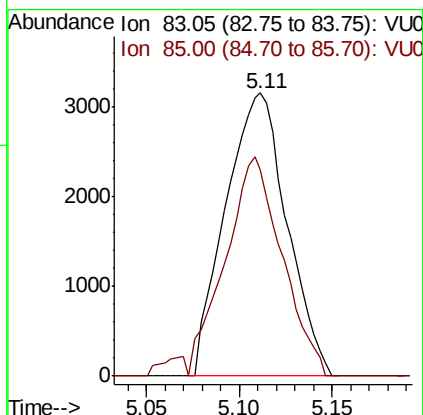
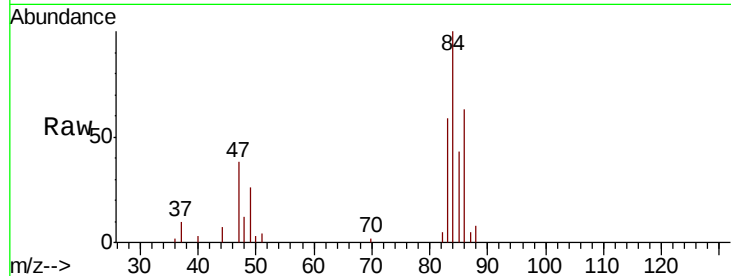




#25
Chloroform
Concen: 0.356 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.01 min
Lab File: VU040114.D
Acq: 14 Sep 2020 12:30

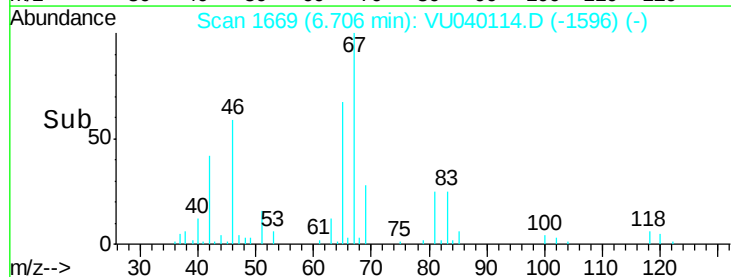
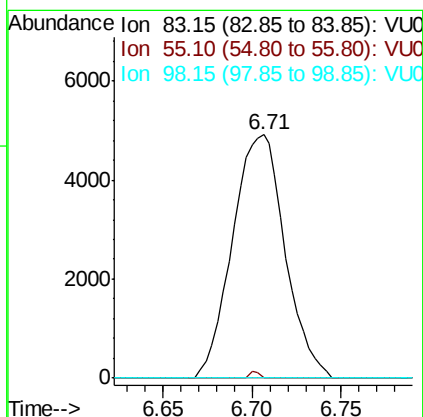
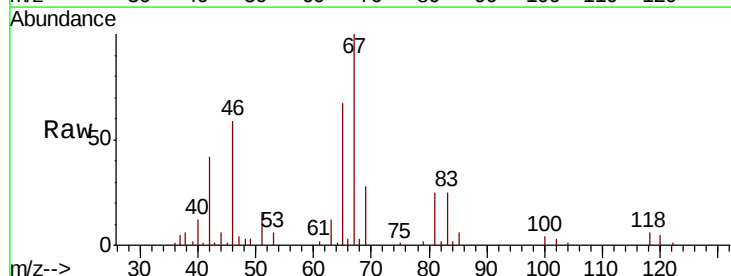
Instrument :
MSVOA_U
ClientSampleId :

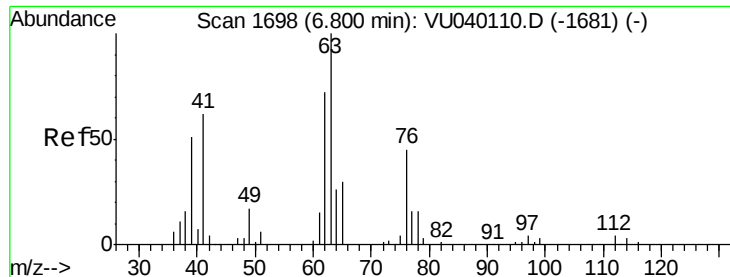
Tot Ion: 83 Resp: 7236
Ion Ratio Lower Upper
83 100
85 72.8 45.3 84.1



#35
Methylcyclohexane
Concen: 0.598 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.06 min
Lab File: VU040114.D
Acq: 14 Sep 2020 12:30

Tgt Ion: 83 Resp: 10093
Ion Ratio Lower Upper
83 100
55 0.5 70.5 105.7#
98 1.9 37.8 56.6#

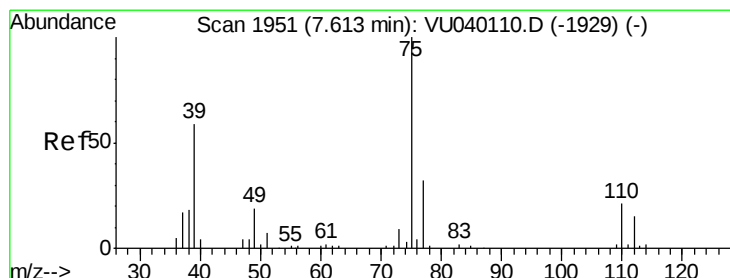
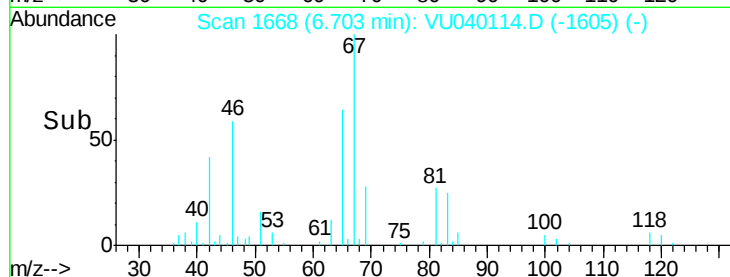
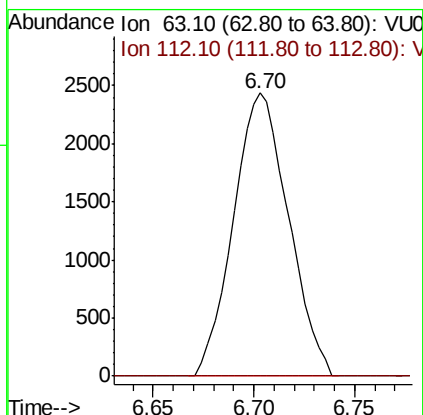
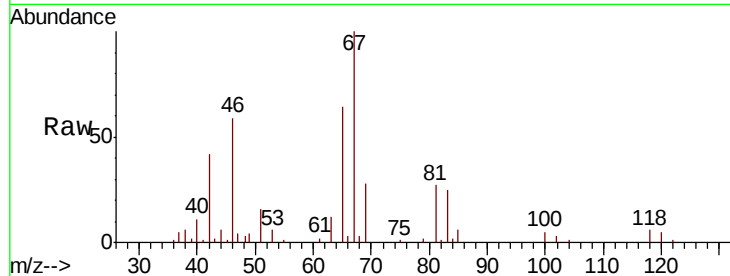




#37
 1,2-Dichloropropane
 Concen: 0.417 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU040114.D
 Acq: 14 Sep 2020 12:30

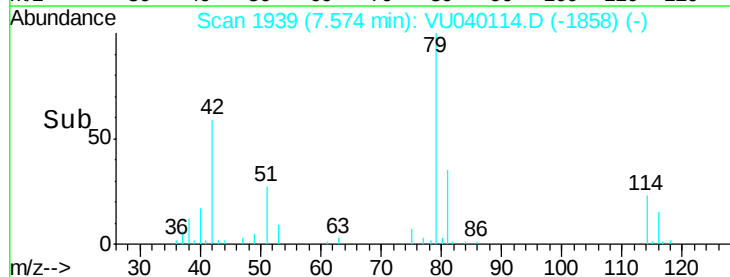
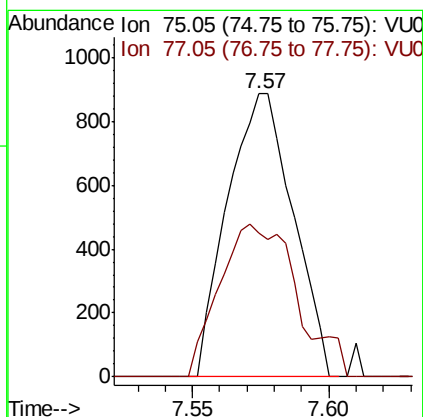
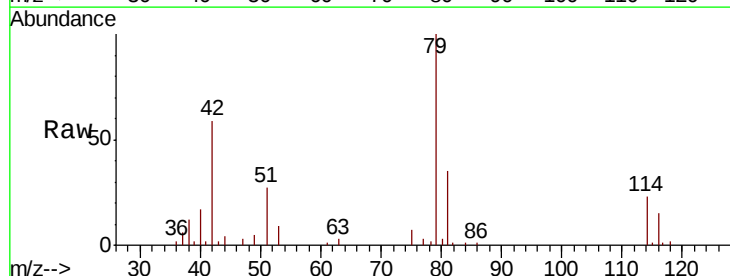
Instrument :
 MSVOA_U
 ClientSampled :

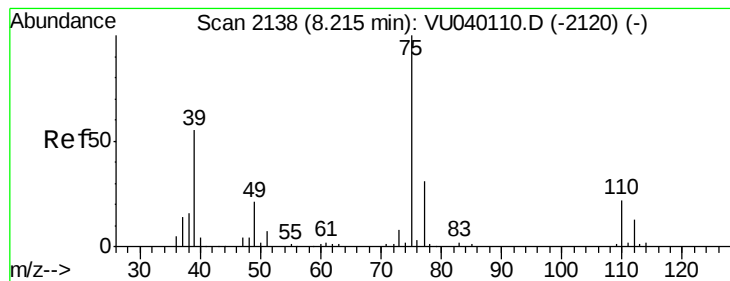
Tot Ion: 63 Resp: 4643
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.090 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040114.D
 Acq: 14 Sep 2020 12:30

Tgt Ion: 75 Resp: 1482
 Ion Ratio Lower Upper
 75 100
 77 50.8 21.1 39.3#





#44

trans-1,3-Dichloropropene

Concen: 0.055 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040114.D

Acq: 14 Sep 2020 12:30

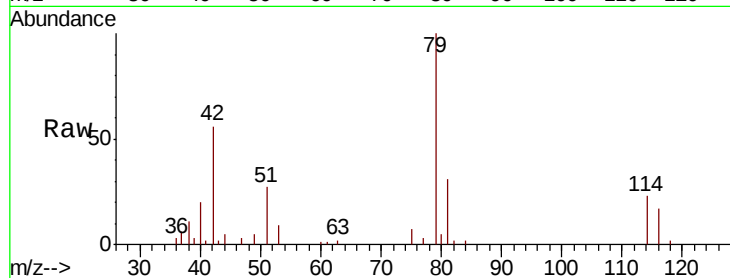
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 75 Resp: 840

Ion Ratio Lower Upper

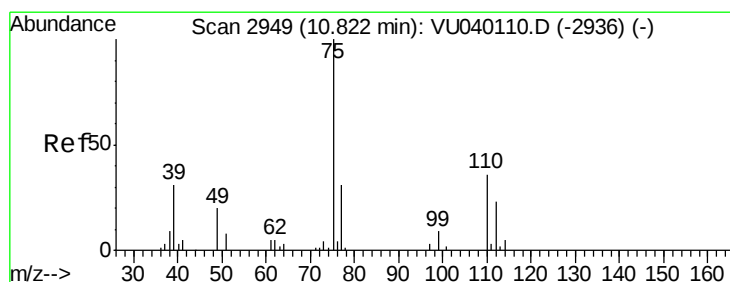
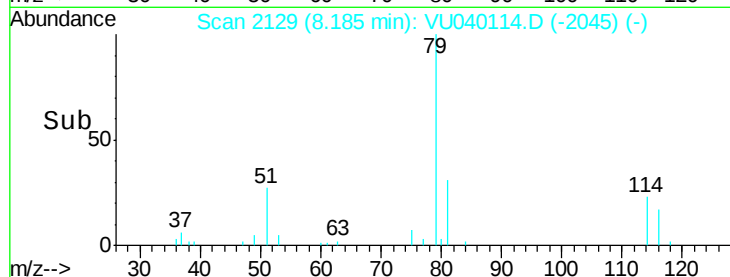
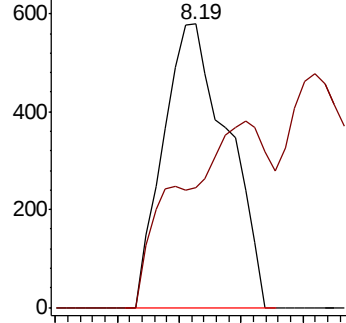
75 100

77 42.3 23.9 44.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#59

1,2,3-Trichloropropane

Concen: 0.970 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040114.D

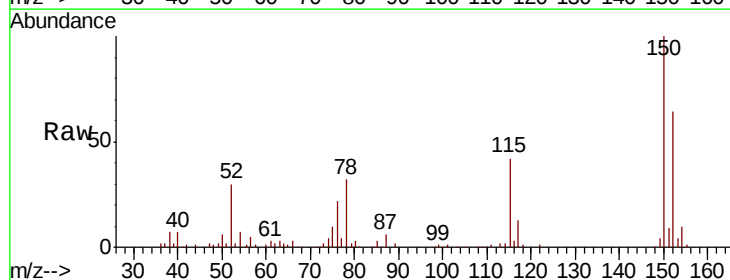
Acq: 14 Sep 2020 12:30

Tgt Ion: 75 Resp: 7996

Ion Ratio Lower Upper

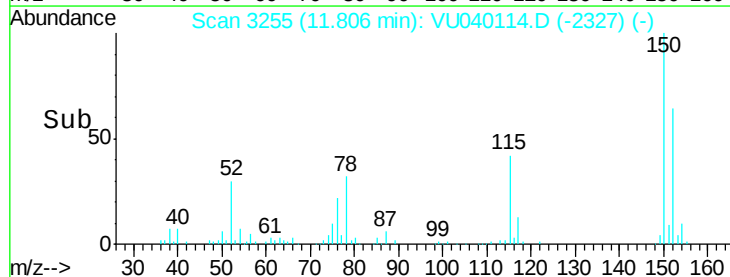
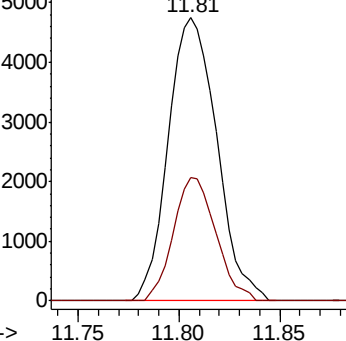
75 100

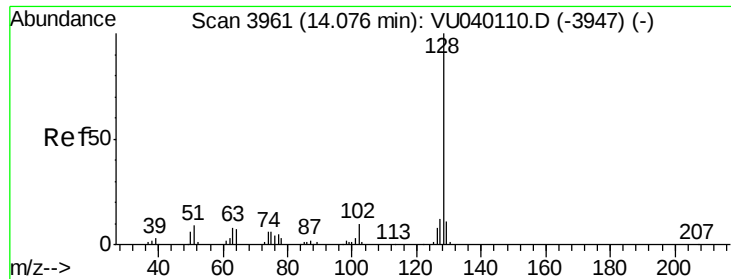
77 38.2 24.9 37.3#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#69

Naphthalene

Concen: 0.068 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040114.D

Acq: 14 Sep 2020 12:30

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:128 Resp: 1629

Ion Ratio Lower Upper

128 100

129 9.1 8.7 13.1

127 15.8 10.7 16.1

