

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091420\
 Data File : VU040128.D
 Acq On : 14 Sep 2020 19:08
 Operator : SY/MD
 Sample : L4001-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 15 02:15:33 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	108182	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	109966	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	46844	5.00	ug/L	0.00

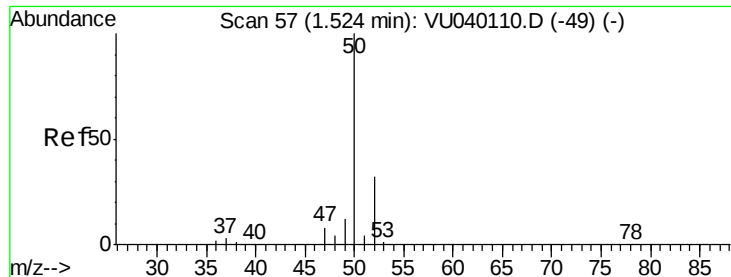
System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	29518	5.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.00%
7) Chloroethane-d5	1.92	69	24397	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.20%
11) 1,1-Dichloroethene-d2	2.58	63	48691	3.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.20%
20) 2-Butanone-d5	4.67	46	105865	44.81	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.62%
24) Chloroform-d	5.08	84	57692	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.60%
26) 1,2-Dichloroethane-d4	5.72	65	36752	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.20%
32) Benzene-d6	5.74	84	108061	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.20%
36) 1,2-Dichloropropane-d6	6.70	67	35627	4.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.20%
41) Toluene-d8	7.91	98	86941	3.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.00%
43) trans-1,3-Dichloropropene-	8.19	79	13773	3.54	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.80%
46) 2-Hexanone-d5	8.64	63	75601	41.06	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.12%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	31067	4.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	33785	4.46	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.20%

Target Compounds

					Ovalue
3) Chloromethane	1.61	50	1048	0.102 ug/L #	42
5) Vinyl chloride	1.61	62	103038	9.888 ug/L	97
8) Chloroethane	1.95	64	1414	0.226 ug/L	93
12) 1,1-Dichloroethene	2.58	96	449	0.054 ug/L #	1
25) Chloroform	5.10	83	1968	0.104 ug/L	95
27) 1,2-Dichloroethane	5.74	62	715	0.051 ug/L #	78
34) Trichloroethene	6.27	95	2269	0.215 ug/L #	9
35) Methylcyclohexane	6.70	83	8393	0.519 ug/L #	14
37) 1,2-Dichloropropane	6.70	63	4314	0.405 ug/L #	88
39) cis-1,3-Dichloropropene	7.58	75	1125	0.072 ug/L	92
44) trans-1,3-Dichloropropene	8.18	75	735	0.050 ug/L #	66
59) 1,2,3-Trichloropropane	11.81	75	7307	0.926 ug/L	91

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



#3

Chloromethane

Concen: 0.102 ug/L

RT: 1.61 min Scan# 83

Delta R.T. 0.08 min

Lab File: VU040128.D

Acq: 14 Sep 2020 19:08

Instrument :

MSVOA_U

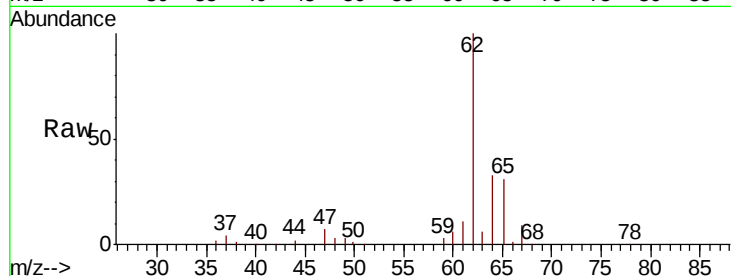
ClientSampleId :

Tot Ion: 50 Resp: 1048

Ion Ratio Lower Upper

50 100

52 0.0 22.8 42.4#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0

1.61

800

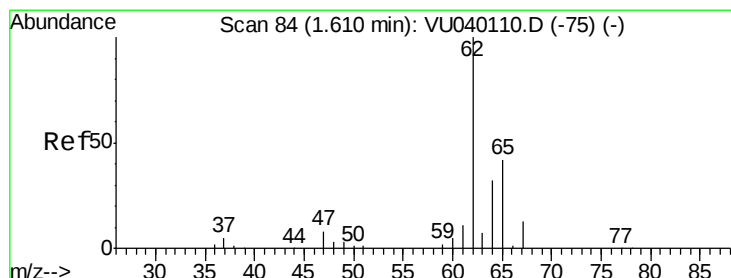
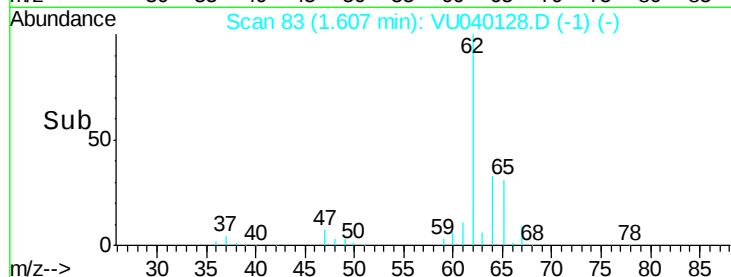
600

400

200

0

Time--> 1.56 1.58 1.60 1.62 1.64



#5

Vinyl chloride

Concen: 9.888 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040128.D

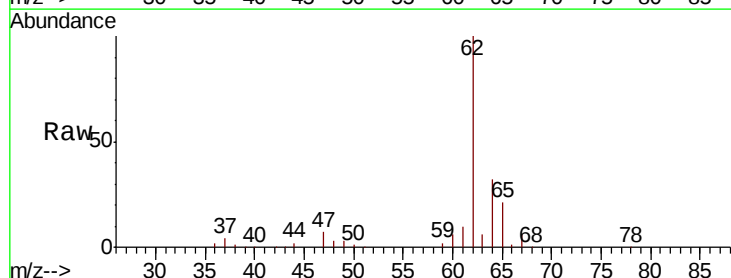
Acq: 14 Sep 2020 19:08

Tgt Ion: 62 Resp: 103038

Ion Ratio Lower Upper

62 100

64 32.5 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.61

100000

80000

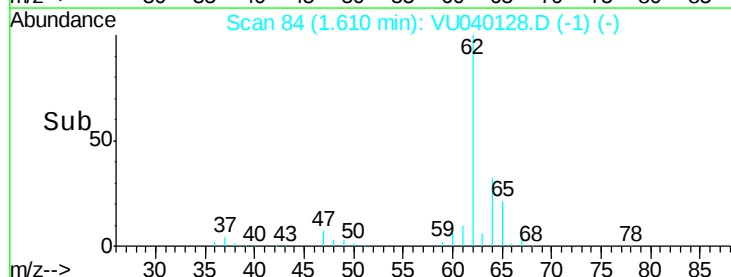
60000

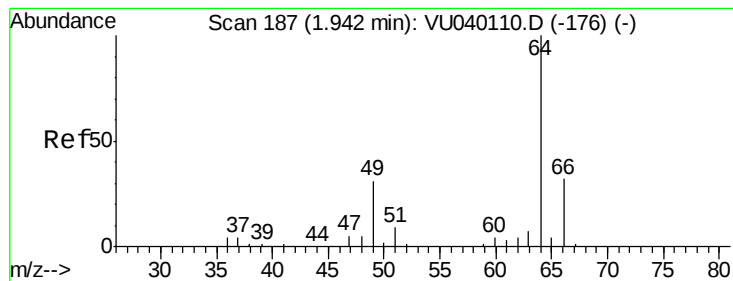
40000

20000

0

Time--> 1.55 1.60 1.65





#8

Chloroethane

Concen: 0.226 ug/L

RT: 1.95 min Scan# 189

Delta R.T. 0.01 min

Lab File: VU040128.D

Acq: 14 Sep 2020 19:08

Instrument :

MSVOA_U

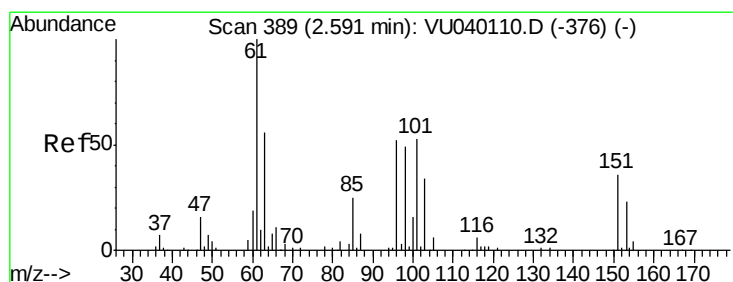
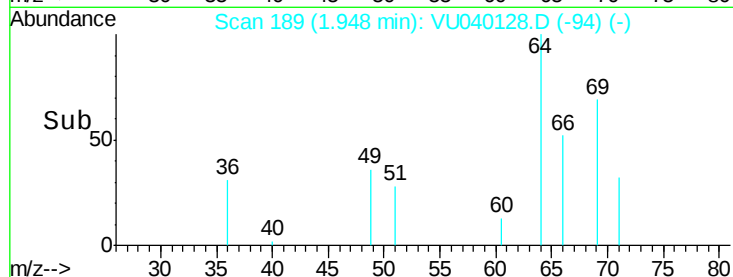
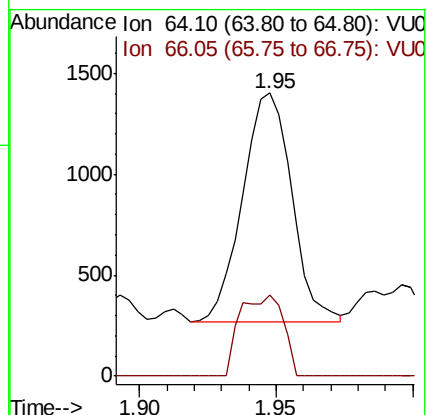
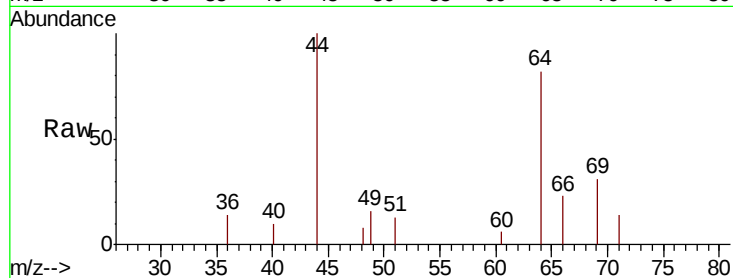
ClientSampled :

Tot Ion: 64 Resp: 1414

Ion Ratio Lower Upper

64 100

66 28.5 22.7 42.1



#12

1,1-Dichloroethene

Concen: 0.054 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040128.D

Acq: 14 Sep 2020 19:08

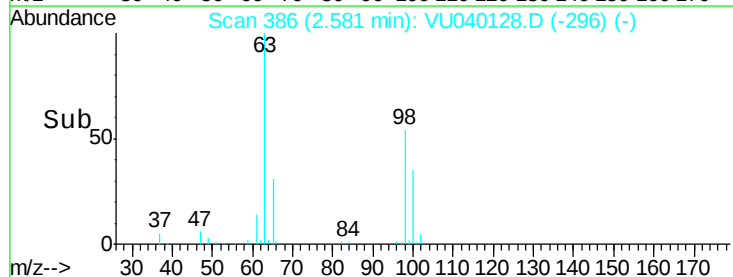
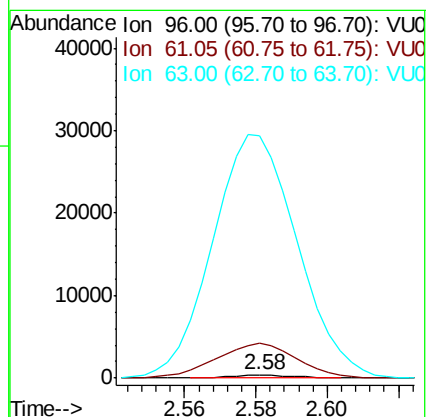
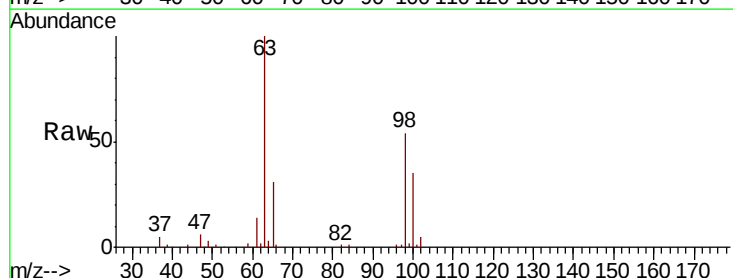
Tgt Ion: 96 Resp: 449

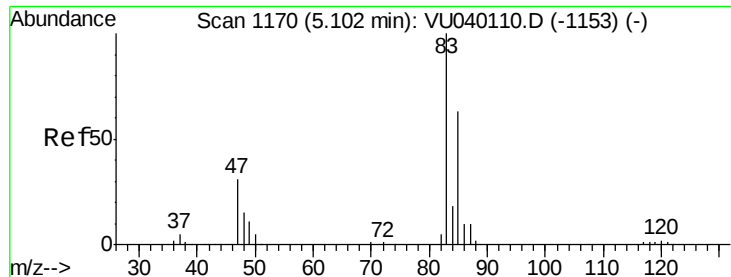
Ion Ratio Lower Upper

96 100

61 1007.3 138.3 256.8#

63 6961.1 77.6 144.2#

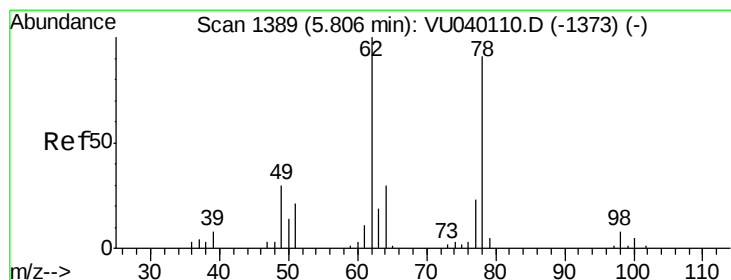
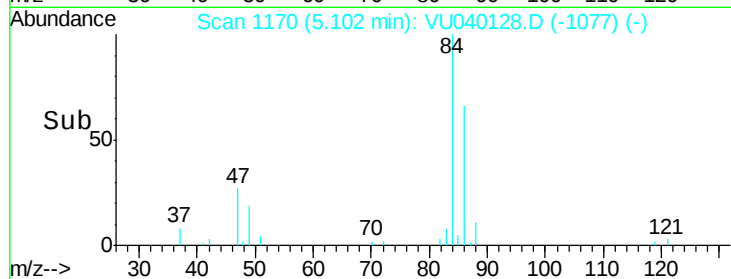
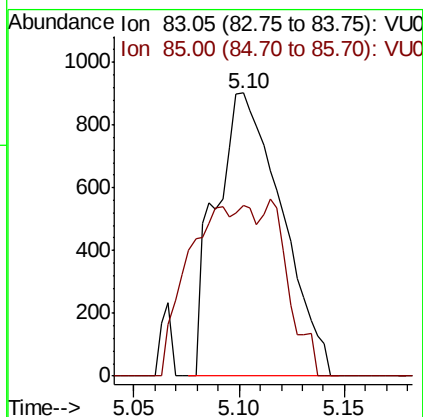
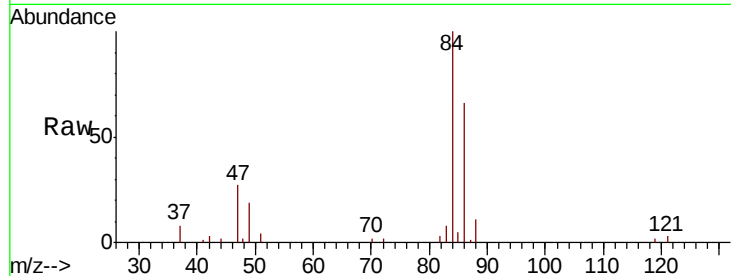




#25
Chloroform
Concen: 0.104 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU040128.D
Acq: 14 Sep 2020 19:08

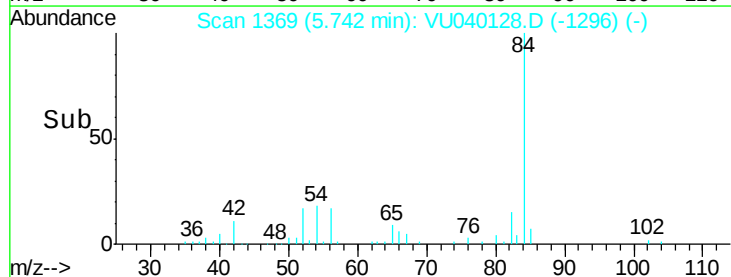
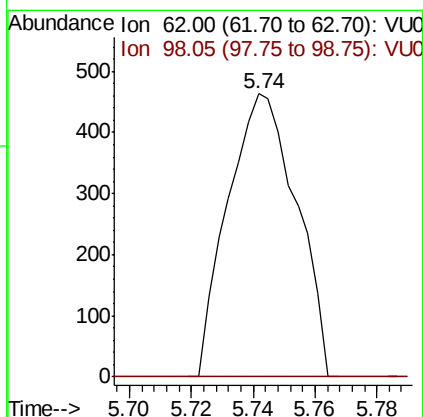
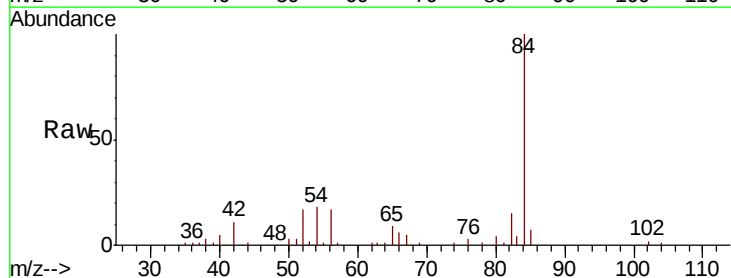
Instrument :
MSVOA_U
ClientSampled :

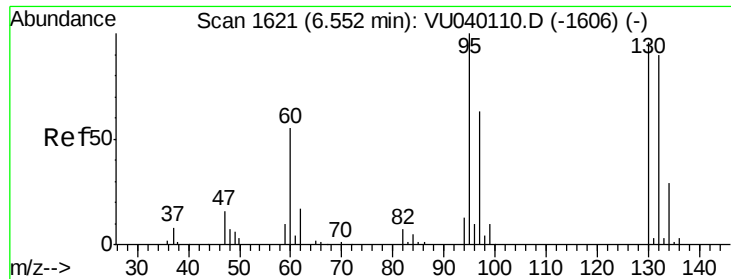
Tot Ion: 83 Resp: 1968
Ion Ratio Lower Upper
83 100
85 60.4 45.3 84.1



#27
1,2-Dichloroethane
Concen: 0.051 ug/L
RT: 5.74 min Scan# 1369
Delta R.T. -0.06 min
Lab File: VU040128.D
Acq: 14 Sep 2020 19:08

Tgt Ion: 62 Resp: 715
Ion Ratio Lower Upper
62 100
98 0.0 6.1 9.1#

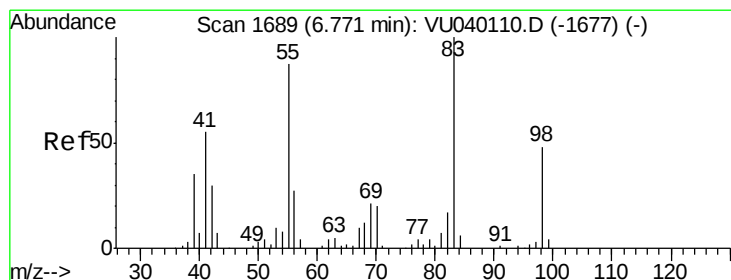
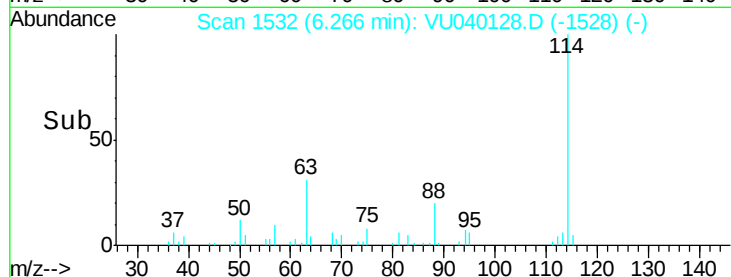
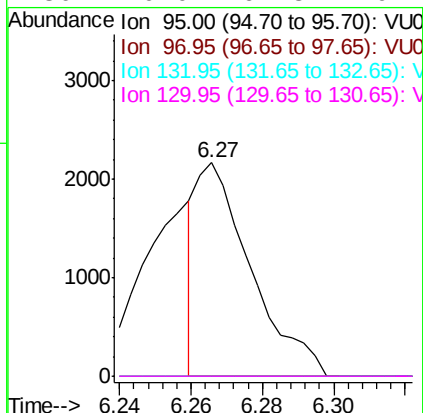
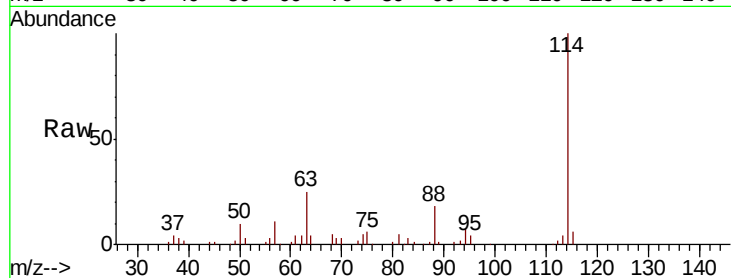




#34
 Trichloroethene
 Concen: 0.215 ug/L
 RT: 6.27 min Scan# 1532
 Delta R.T. -0.29 min
 Lab File: VU040128.D
 Acq: 14 Sep 2020 19:08

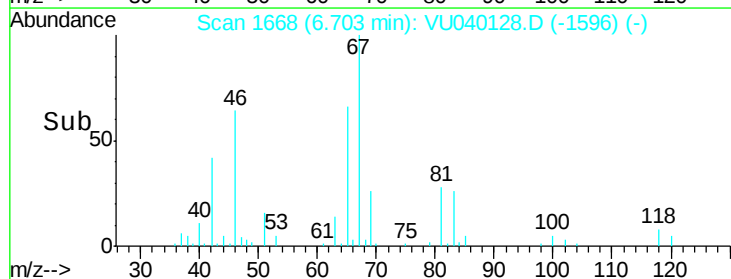
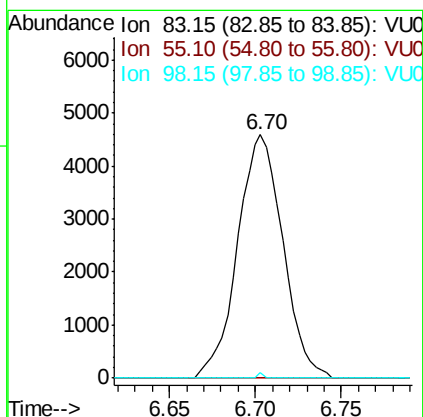
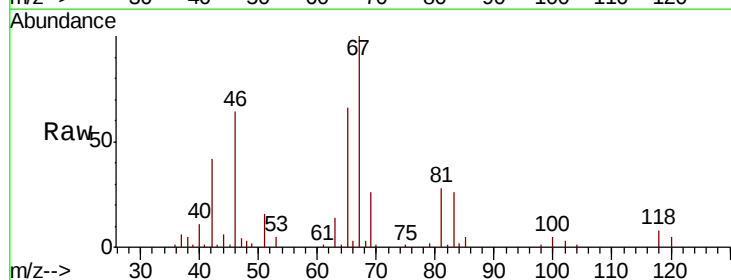
Instrument :
 MSVOA_U
 ClientSampleId :

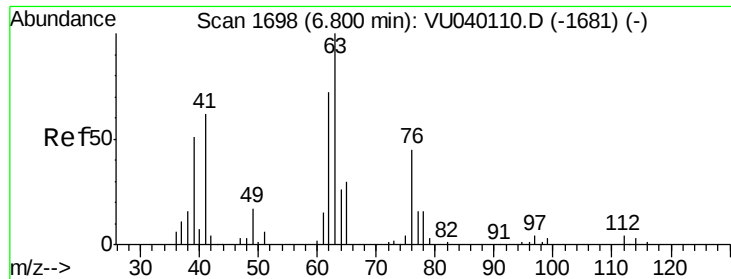
Tot Ion: 95 Resp: 2269
 Ion Ratio Lower Upper
 95 100
 97 0.0 43.3 80.5#
 132 0.0 59.4 110.4#
 130 0.0 64.8 120.4#



#35
 Methylcyclohexane
 Concen: 0.519 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU040128.D
 Acq: 14 Sep 2020 19:08

Tgt Ion: 83 Resp: 8393
 Ion Ratio Lower Upper
 83 100
 55 0.0 70.5 105.7#
 98 0.2 37.8 56.6#

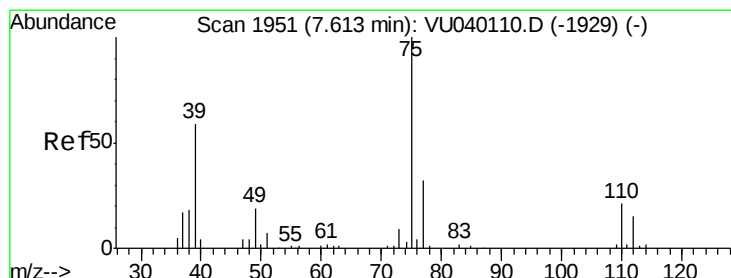
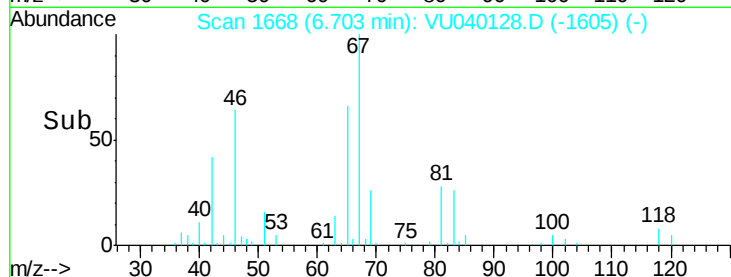
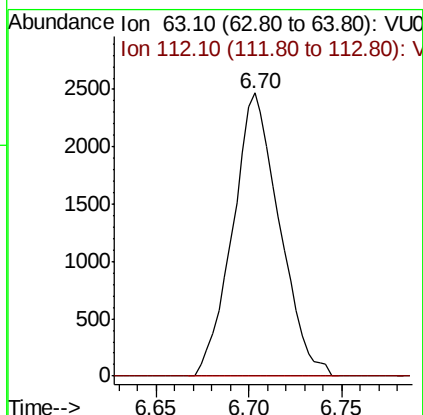
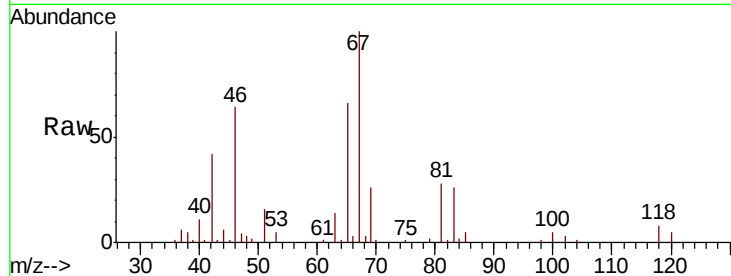




#37
 1,2-Dichloropropane
 Concen: 0.405 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU040128.D
 Acq: 14 Sep 2020 19:08

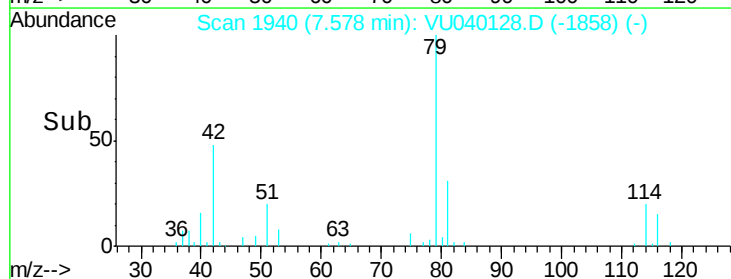
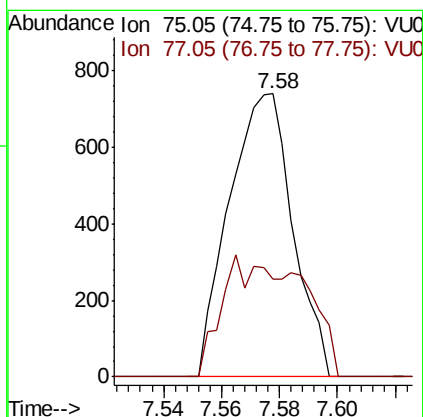
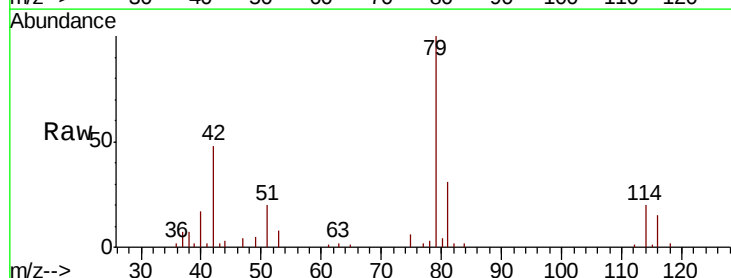
Instrument :
 MSVOA_U
 ClientSampleId :

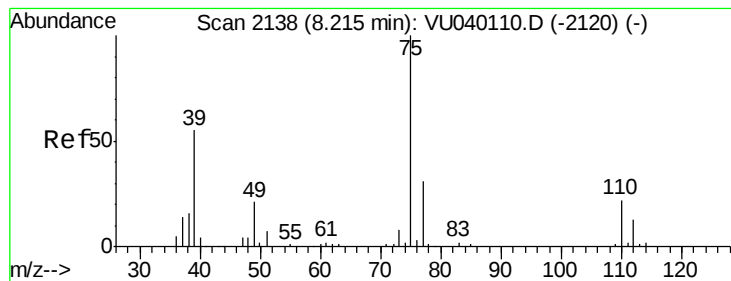
Tot Ion: 63 Resp: 4314
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.072 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU040128.D
 Acq: 14 Sep 2020 19:08

Tgt Ion: 75 Resp: 1125
 Ion Ratio Lower Upper
 75 100
 77 34.4 21.1 39.3





#44

trans-1,3-Dichloropropene

Concen: 0.050 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU040128.D

Acq: 14 Sep 2020 19:08

Instrument :

MSVOA_U

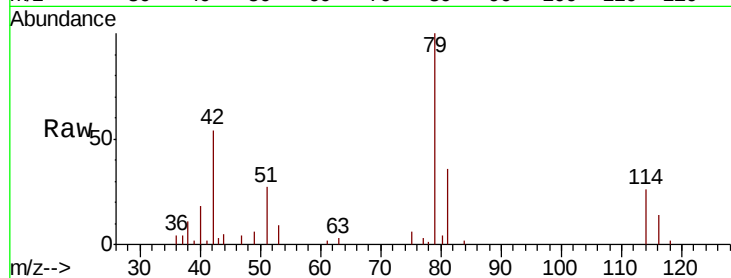
ClientSampled :

Tot Ion: 75 Resp: 735

Ion Ratio Lower Upper

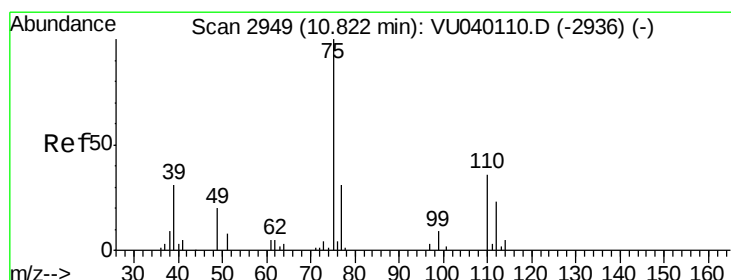
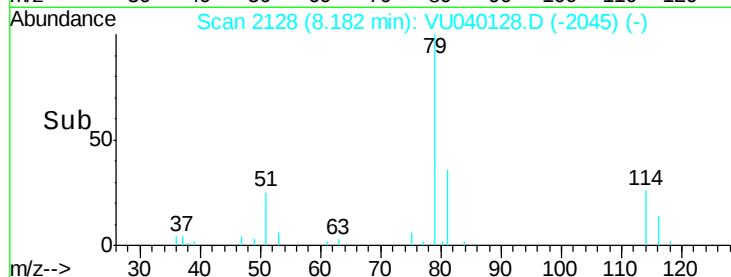
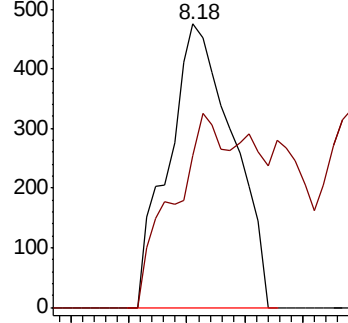
75 100

77 53.5 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: 0.926 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040128.D

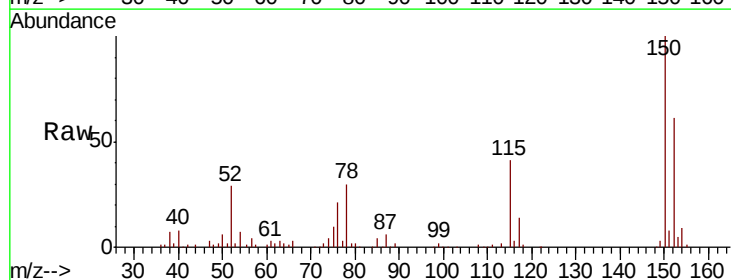
Acq: 14 Sep 2020 19:08

Tgt Ion: 75 Resp: 7307

Ion Ratio Lower Upper

75 100

77 36.3 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

