

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091420\
 Data File : VU040130.D
 Acq On : 14 Sep 2020 19:55
 Operator : SY/MD
 Sample : L4001-06MSD
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 15 02:15:48 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	109517	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	109879	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	48751	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	29729	4.97	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.40%
7) Chloroethane-d5	1.92	69	25062	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.60%
11) 1,1-Dichloroethene-d2	2.58	63	72991	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.20%
20) 2-Butanone-d5	4.66	46	106040	44.34	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.68%
24) Chloroform-d	5.08	84	59679	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.40%
26) 1,2-Dichloroethane-d4	5.72	65	36757	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.20%
32) Benzene-d6	5.74	84	113351	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
36) 1,2-Dichloropropane-d6	6.70	67	36672	4.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.80%
41) Toluene-d8	7.90	98	92270	3.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.60%
43) trans-1,3-Dichloropropene-	8.18	79	14136	3.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.80%
46) 2-Hexanone-d5	8.64	63	77170	41.94	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.88%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	31792	4.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	35844	4.54	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.80%

Target Compounds

					Ovalue
5) Vinyl chloride	1.61	62	94094	8.919	ug/L 98
8) Chloroethane	1.94	64	1400	0.221	ug/L 90
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	471	0.048	ug/L # 22
12) 1,1-Dichloroethene	2.59	96	39865	4.704	ug/L 93
25) Chloroform	5.11	83	2866	0.149	ug/L 95
27) 1,2-Dichloroethane	5.79	62	1926	0.137	ug/L # 78
33) Benzene	5.79	78	167649	4.265	ug/L 100
34) Trichloroethene	6.55	95	45035	4.271	ug/L 98
35) Methylcyclohexane	6.70	83	9158	0.567	ug/L # 14
37) 1,2-Dichloropropane	6.71	63	4624	0.434	ug/L # 88
39) cis-1,3-Dichloropropene	7.57	75	1286	0.082	ug/L # 74
42) Toluene	7.98	91	168212	4.155	ug/L 97
44) trans-1,3-Dichloropropene	8.19	75	731	0.050	ug/L # 1
51) Chlorobenzene	9.45	112	113280	4.507	ug/L 98
59) 1,2,3-Trichloropropane	11.81	75	7398	0.938	ug/L # 84

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091420\
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Sample : L4001-06MSD
Misc : 25.0mL/MSVOA U/WATER
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Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Sep 15 02:15:48 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

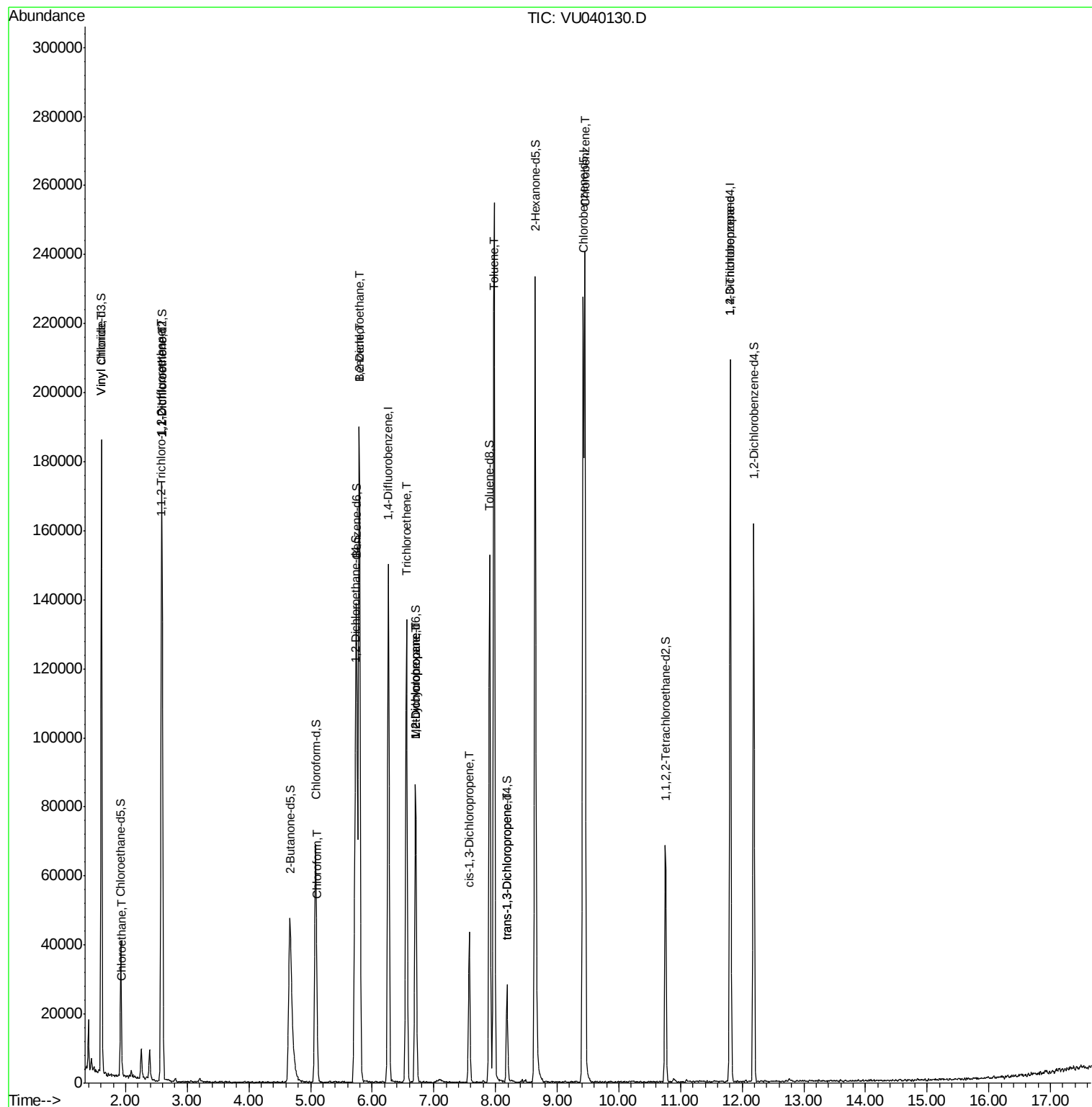
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

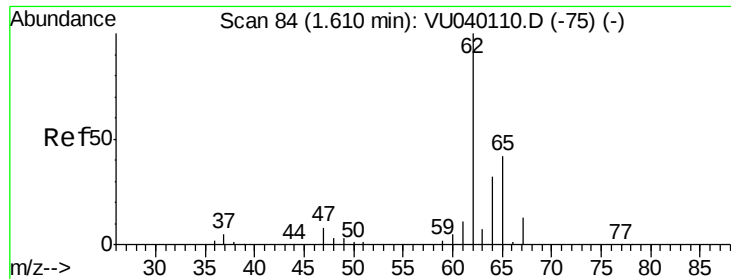
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU091420\
Data File : VU040130.D
Acq On : 14 Sep 2020 19:55
Operator : SY/MD
Sample : L4001-06MSD
Misc : 25.0mL/MSVOA U/WATER
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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 15 01:48:35 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 8.919 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040130.D

Acq: 14 Sep 2020 19:55

Instrument :

MSVOA_U

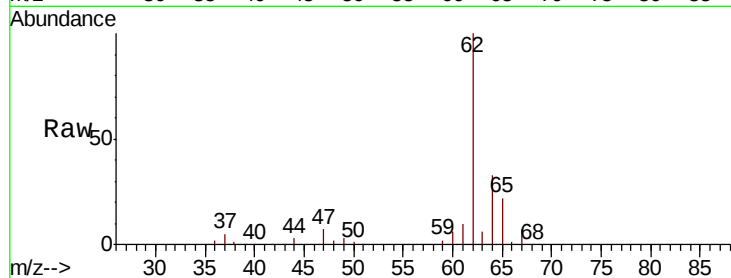
ClientSampleId :

Tot Ion: 62 Resp: 94094

Ion Ratio Lower Upper

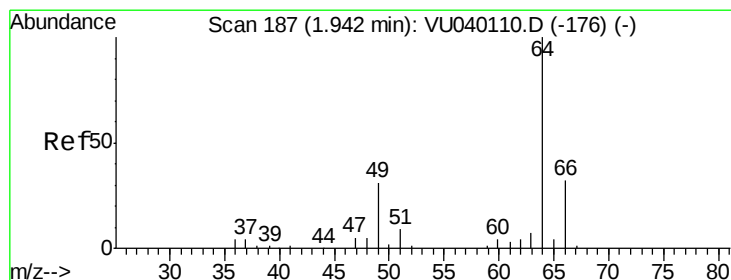
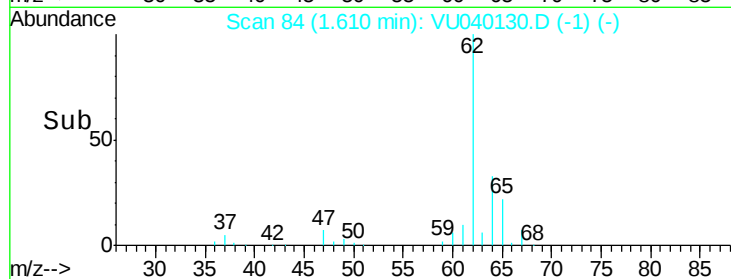
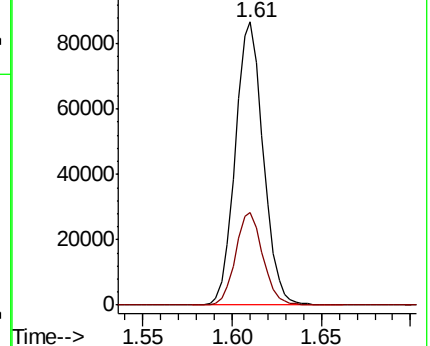
62 100

64 32.7 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#8

Chloroethane

Concen: 0.221 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040130.D

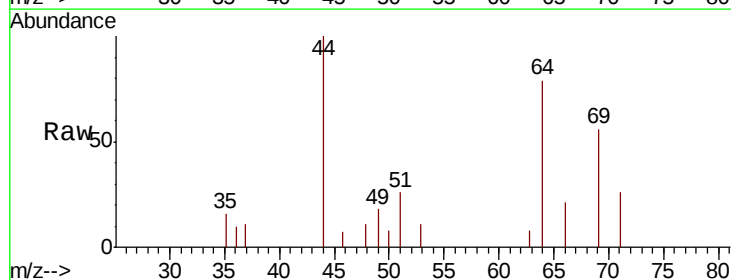
Acq: 14 Sep 2020 19:55

Tgt Ion: 64 Resp: 1400

Ion Ratio Lower Upper

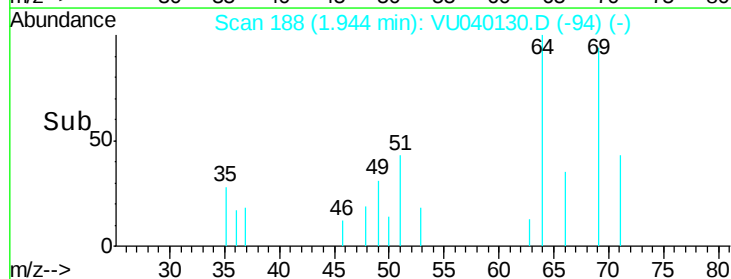
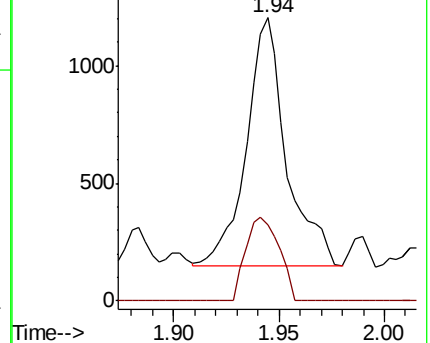
64 100

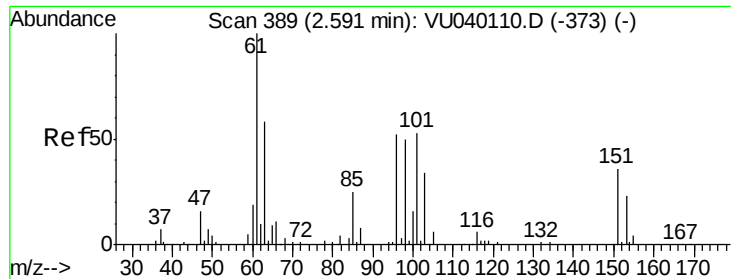
66 26.8 22.7 42.1



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: 0.048 ug/L

RT: 2.57 min Scan# 383

Delta R.T. -0.02 min

Lab File: VU040130.D

Acq: 14 Sep 2020 19:55

Instrument :

MSVOA_U

ClientSampleId :

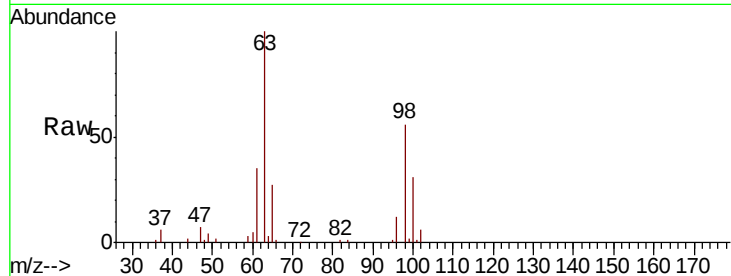
Tot Ion:101 Resp: 471

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

2.57

400

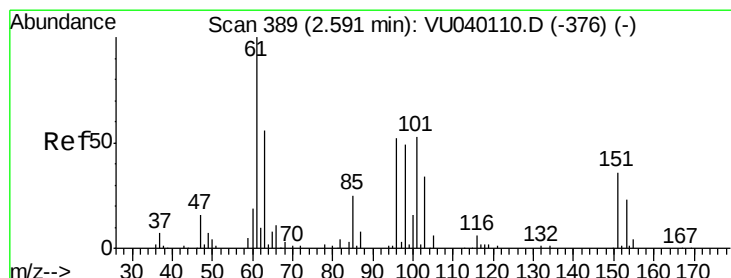
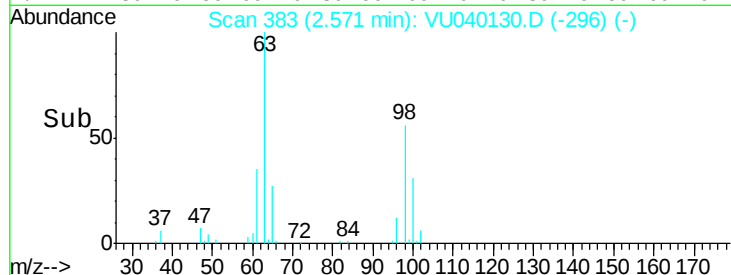
300

200

100

0

Time-->



#12

1,1-Dichloroethene

Concen: 4.704 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040130.D

Acq: 14 Sep 2020 19:55

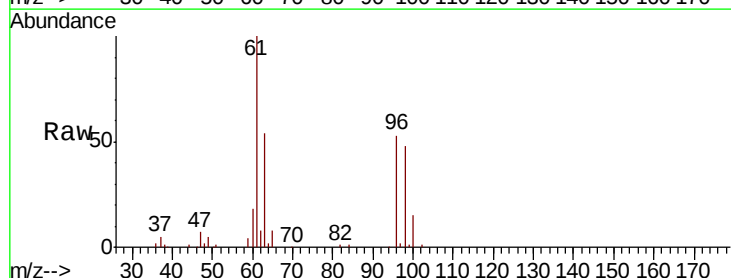
Tgt Ion: 96 Resp: 39865

Ion Ratio Lower Upper

96 100

61 187.8 138.3 256.8

63 101.9 77.6 144.2



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

60000

50000

40000

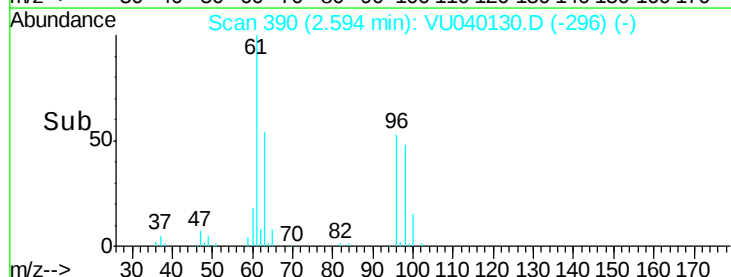
30000

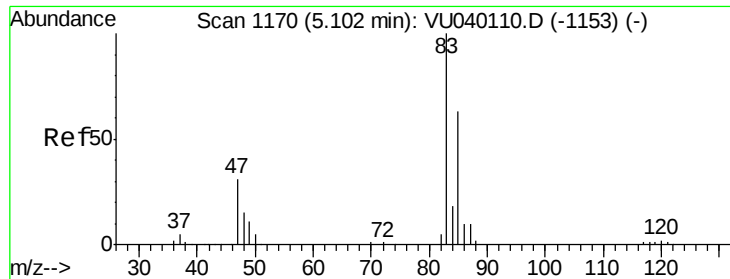
20000

10000

0

Time-->

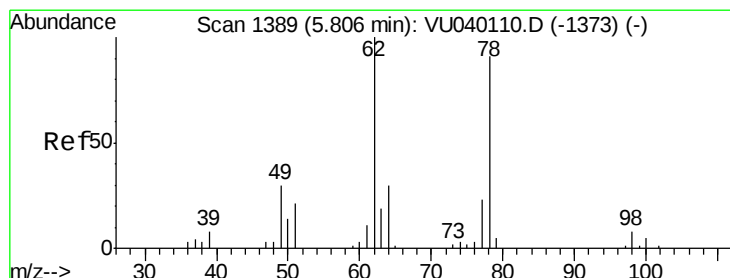
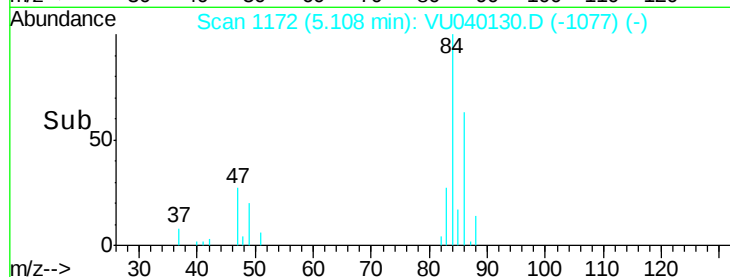
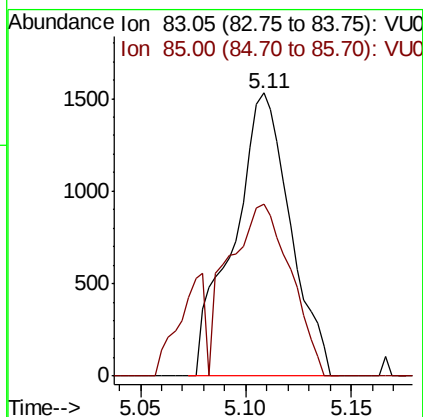
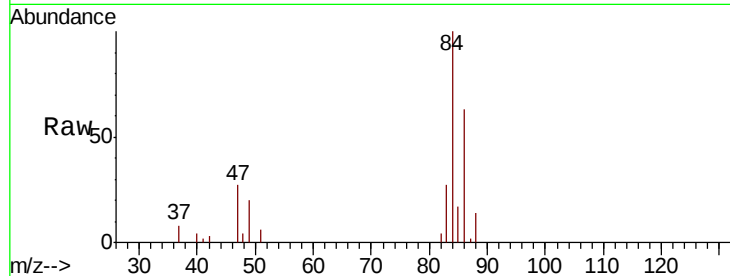




#25
Chloroform
Concen: 0.149 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.01 min
Lab File: VU040130.D
Acq: 14 Sep 2020 19:55

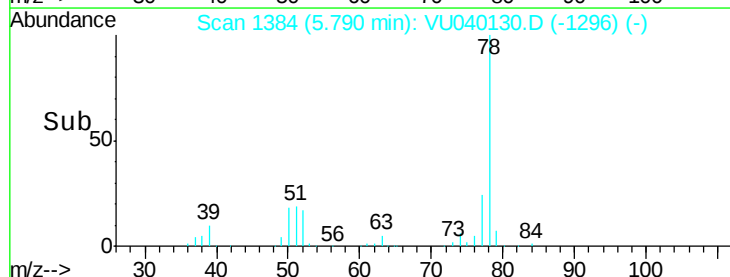
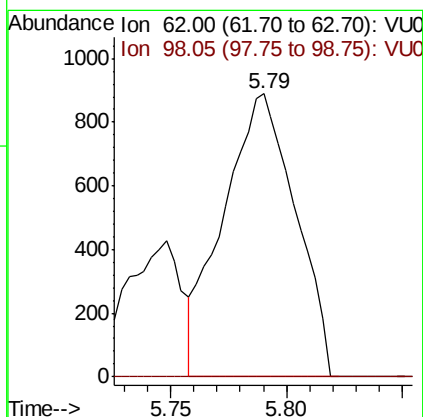
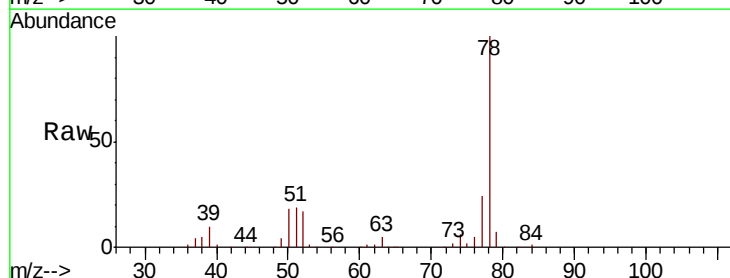
Instrument :
MSVOA_U
ClientSampled :

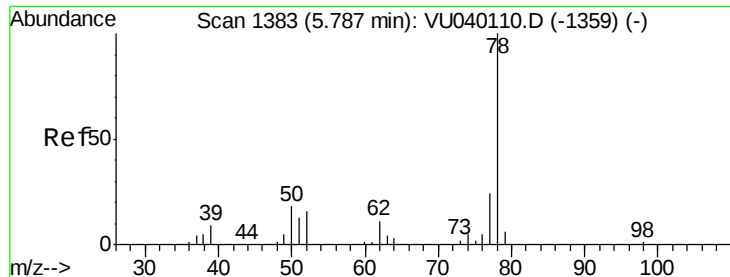
Tot Ion: 83 Resp: 2866
Ion Ratio Lower Upper
83 100
85 60.9 45.3 84.1



#27
1,2-Dichloroethane
Concen: 0.137 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. -0.02 min
Lab File: VU040130.D
Acq: 14 Sep 2020 19:55

Tgt Ion: 62 Resp: 1926
Ion Ratio Lower Upper
62 100
98 0.0 6.1 9.1#





#33

Benzene

Concen: 4.265 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU040130.D

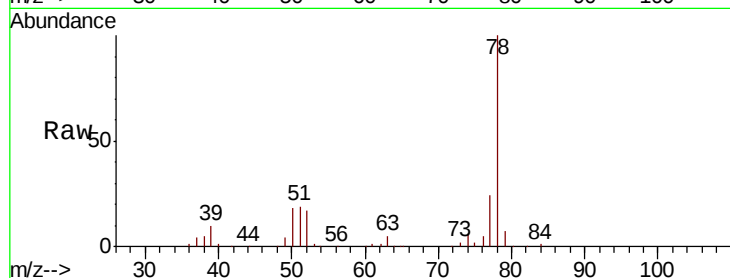
Acq: 14 Sep 2020 19:55

Instrument :

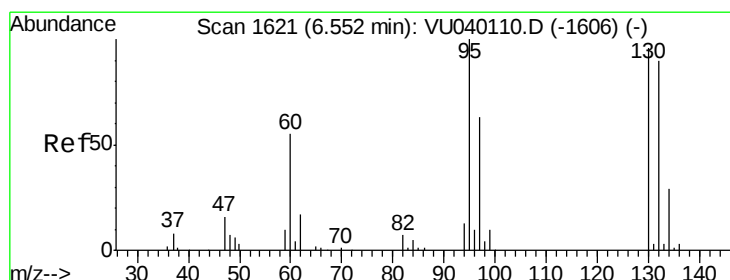
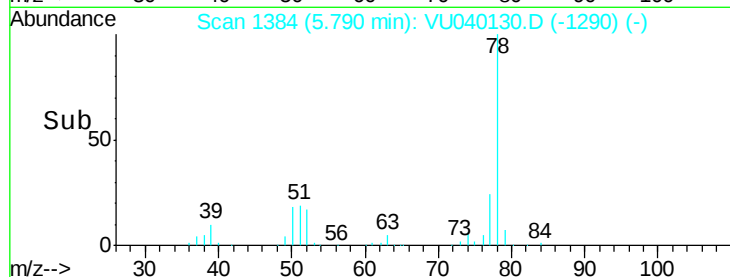
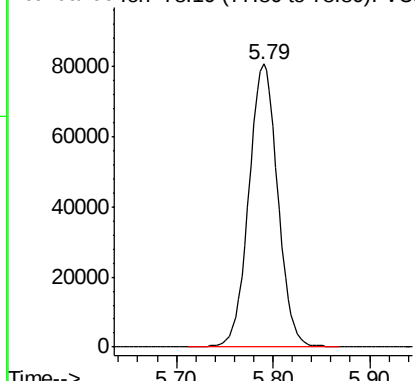
MSVOA_U

ClientSampled :

Tgt Ion: 78 Resp: 167649



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 4.271 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU040130.D

Acq: 14 Sep 2020 19:55

Tgt Ion: 95 Resp: 45035

Ion	Ratio	Lower	Upper
95	100		
97	60.9	43.3	80.5
132	87.8	59.4	110.4
130	90.4	64.8	120.4

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): VU0

Ion 129.95 (129.65 to 130.65): VU0

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): VU0

Ion 129.95 (129.65 to 130.65): VU0

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): VU0

Ion 129.95 (129.65 to 130.65): VU0

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): VU0

Ion 129.95 (129.65 to 130.65): VU0

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): VU0

Ion 129.95 (129.65 to 130.65): VU0

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): VU0

Ion 129.95 (129.65 to 130.65): VU0

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): VU0

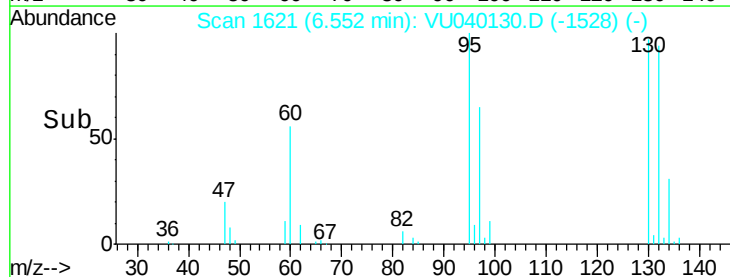
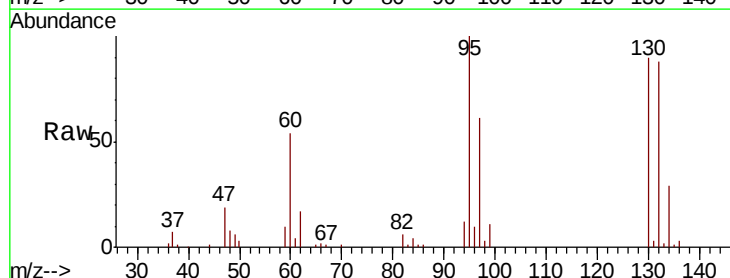
Ion 129.95 (129.65 to 130.65): VU0

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): VU0

Ion 129.95 (129.65 to 130.65): VU0



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): VU0

Ion 129.95 (129.65 to 130.65): VU0

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): VU0

Ion 129.95 (129.65 to 130.65): VU0

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): VU0

Ion 129.95 (129.65 to 130.65): VU0

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): VU0

Ion 129.95 (129.65 to 130.65): VU0

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): VU0

Ion 129.95 (129.65 to 130.65): VU0

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): VU0

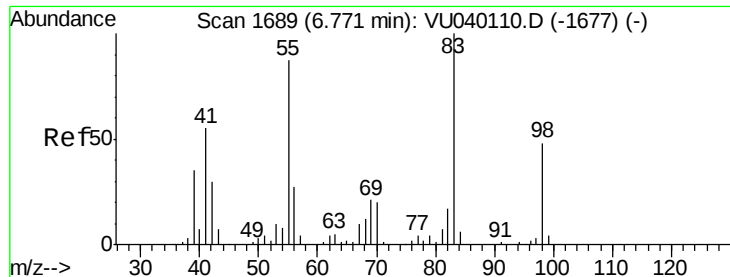
Ion 129.95 (129.65 to 130.65): VU0

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): VU0

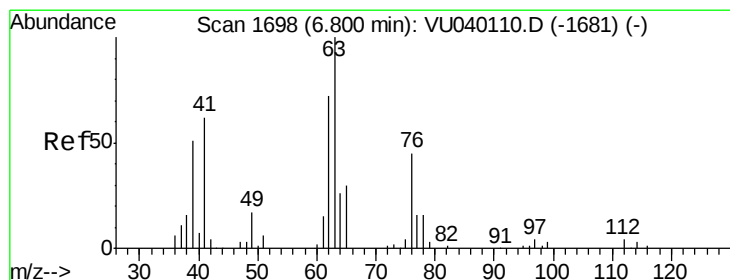
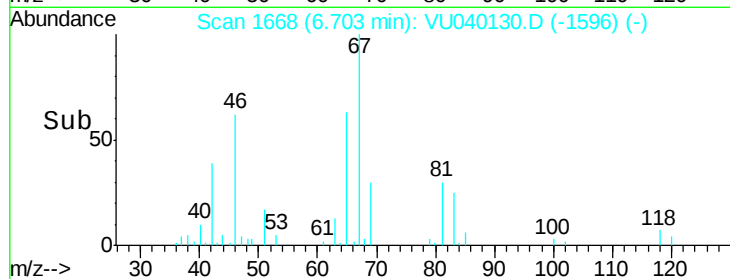
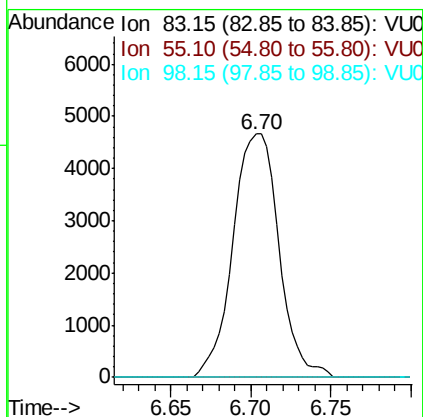
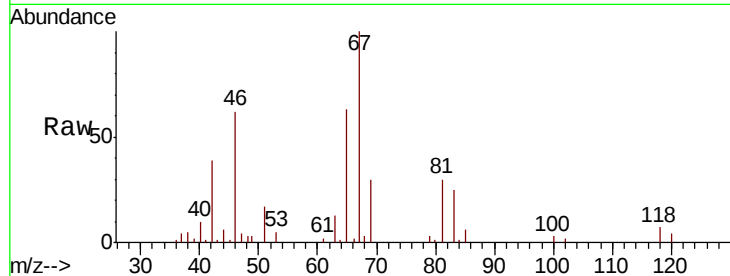
Ion 129.95 (129.65 to 130.65): VU0



#35
Methvlcvclohexane
Concen: 0.567 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040130.D
Acq: 14 Sep 2020 19:55

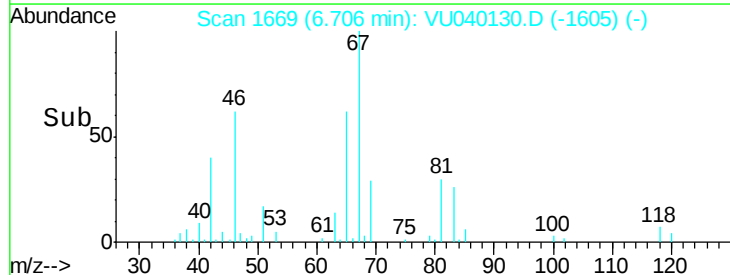
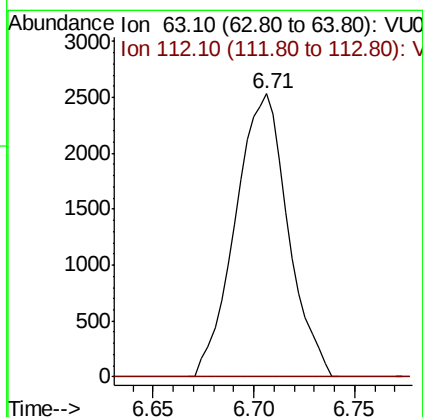
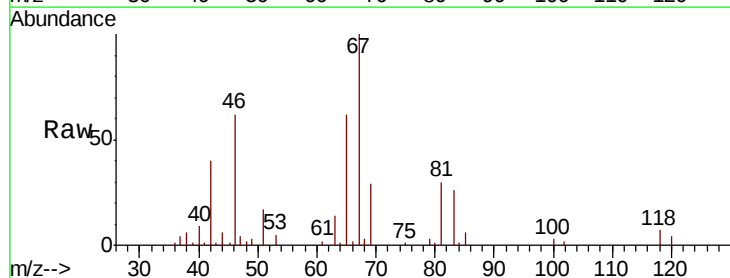
Instrument :
MSVOA_U
ClientSampleId :

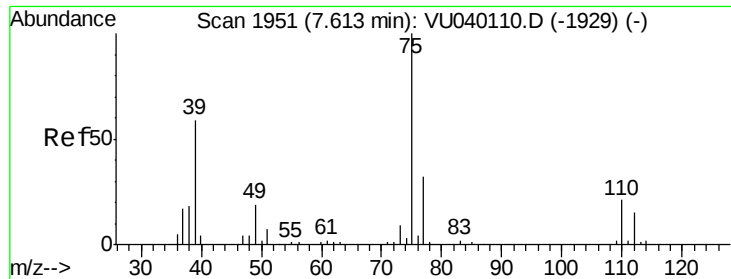
Tot Ion: 83 Resp: 9158
Ion Ratio Lower Upper
83 100
55 0.0 70.5 105.7#
98 0.0 37.8 56.6#



#37
1,2-Dichloropropane
Concen: 0.434 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.09 min
Lab File: VU040130.D
Acq: 14 Sep 2020 19:55

Tgt Ion: 63 Resp: 4624
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#

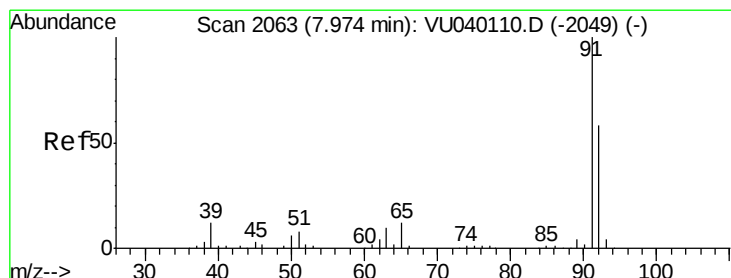
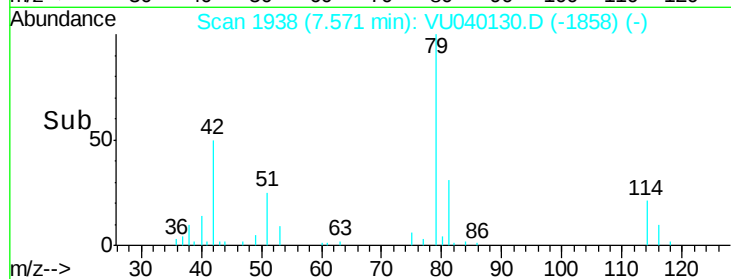
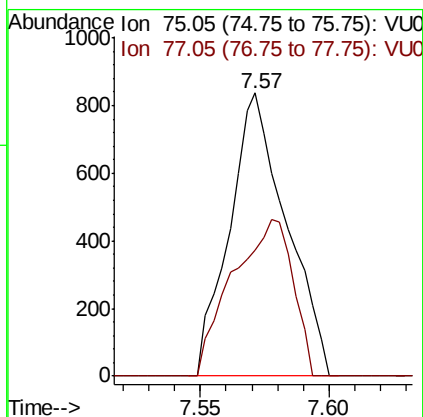
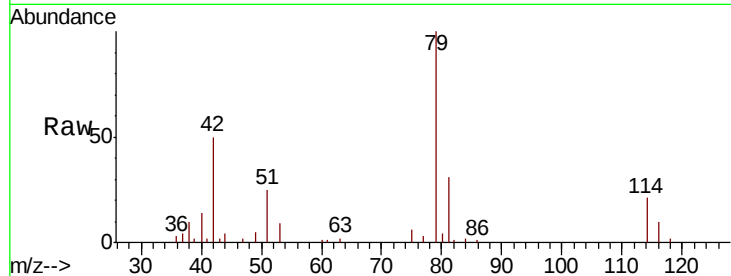




#39
 cis-1,3-Dichloropropene
 Concen: 0.082 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU040130.D
 Acq: 14 Sep 2020 19:55

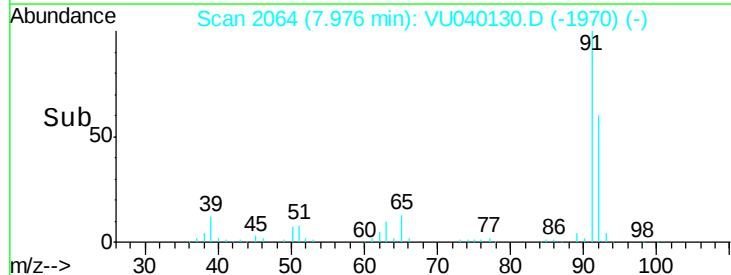
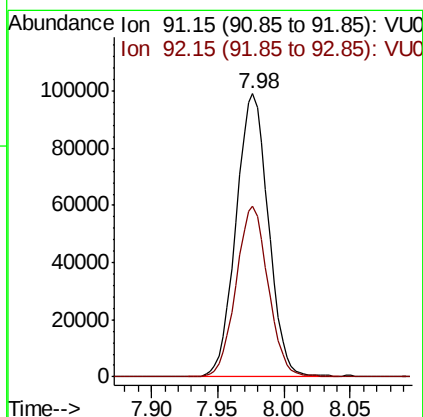
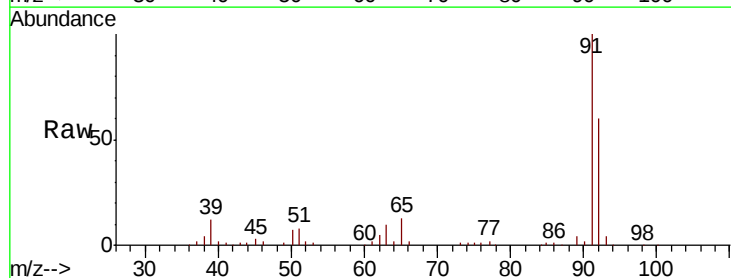
Instrument :
 MSVOA_U
 ClientSampleId :

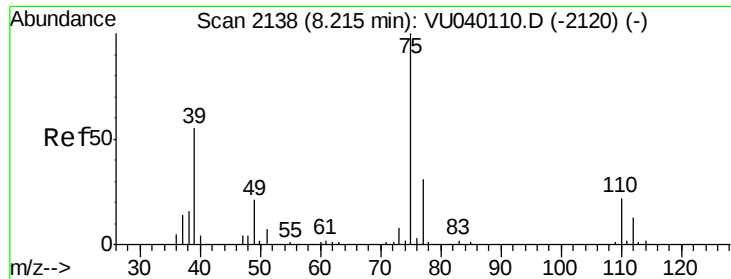
Tot Ion: 75 Resp: 1286
 Ion Ratio Lower Upper
 75 100
 77 44.6 21.1 39.3#



#42
 Toluene
 Concen: 4.155 ug/L
 RT: 7.98 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VU040130.D
 Acq: 14 Sep 2020 19:55

Tgt Ion: 91 Resp: 168212
 Ion Ratio Lower Upper
 91 100
 92 60.2 40.7 75.5





#44

trans-1,3-Dichloropropene

Concen: 0.050 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040130.D

Acq: 14 Sep 2020 19:55

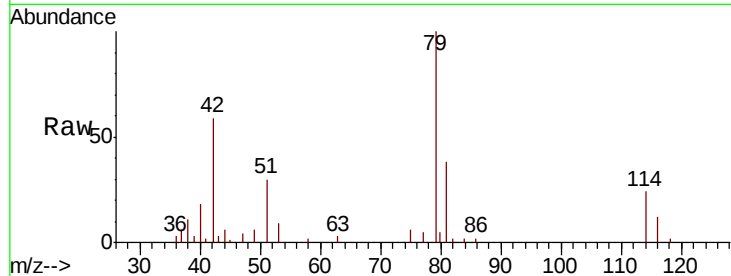
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 731

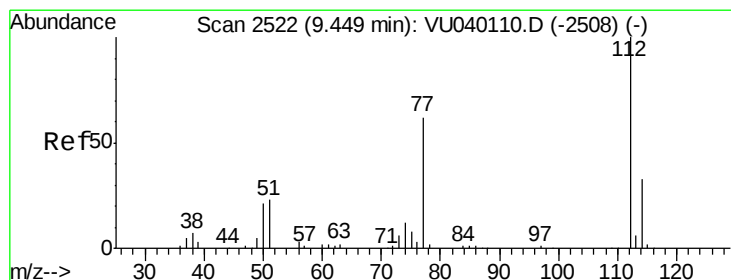
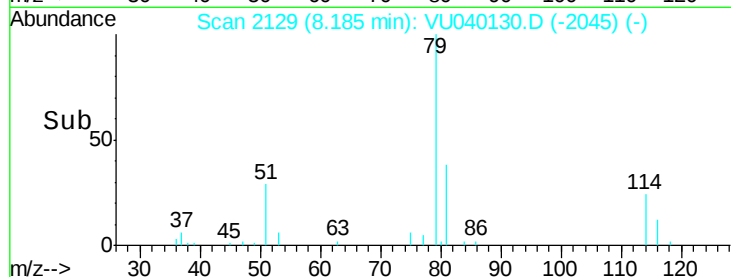
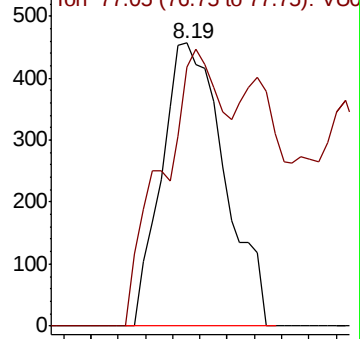
Ion Ratio Lower Upper

75 100

77 91.2 23.9 44.3#



Abundance Ion 75.05 (74.75 to 75.75): VU040110.D (-2120) (-)



#51

Chlorobenzene

Concen: 4.507 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU040130.D

Acq: 14 Sep 2020 19:55

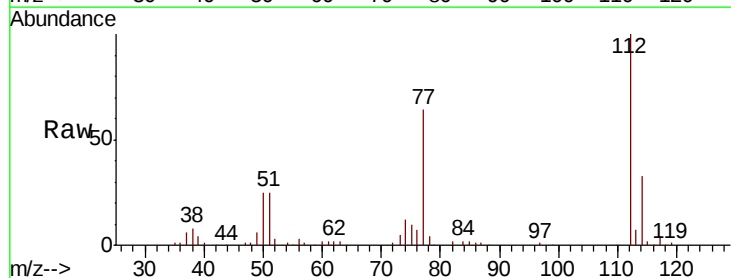
Tgt Ion: 112 Resp: 113280

Ion Ratio Lower Upper

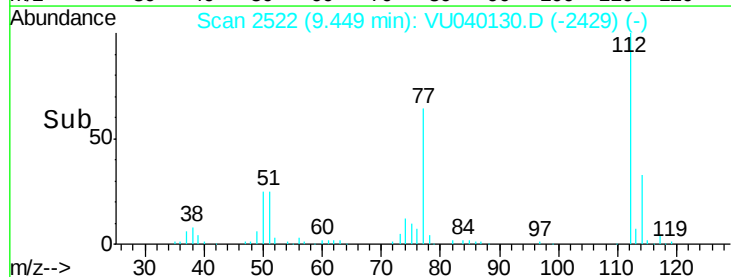
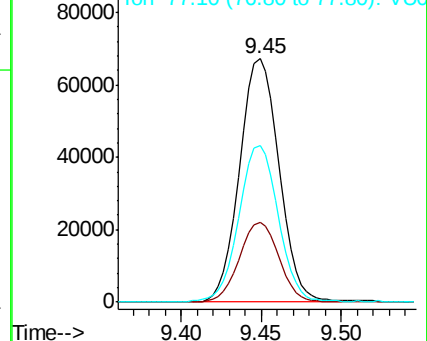
112 100

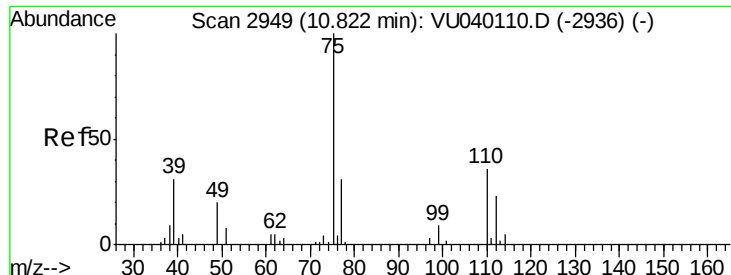
114 32.6 22.7 42.3

77 64.3 53.2 79.8



Abundance Ion 112.10 (111.80 to 112.80): VU040110.D (-2508) (-)





#59

1,2,3-Trichloropropane

Concen: 0.938 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040130.D

Acq: 14 Sep 2020 19:55

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 7398

Ion Ratio Lower Upper

75 100

77 40.0 24.9 37.3#

