

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110520\
 Data File : VU041115.D
 Acq On : 05 Nov 2020 19:22
 Operator : SY/MD
 Sample : VIBLK42
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 06 01:53:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 06 01:44:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	50961	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	54019	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	23457	5.00	ug/L	0.00

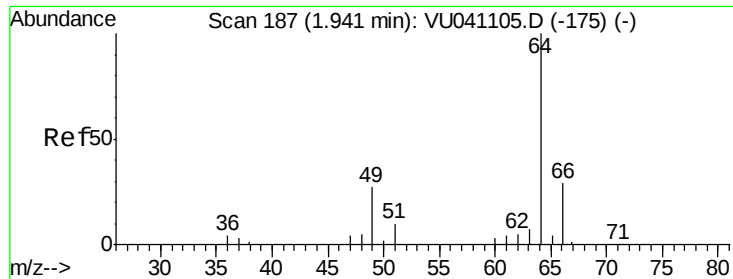
System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	19434	4.54	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.80%
7) Chloroethane-d5	1.92	69	16222	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.60%
11) 1,1-Dichloroethene-d2	2.58	63	30931	3.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.60%
20) 2-Butanone-d5	4.65	46	75350	53.44	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.88%
24) Chloroform-d	5.08	84	39206	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
26) 1,2-Dichloroethane-d4	5.72	65	25968	5.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.60%
32) Benzene-d6	5.74	84	77058	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.60%
36) 1,2-Dichloropropane-d6	6.70	67	26623	5.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.20%
41) Toluene-d8	7.91	98	62187	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
43) trans-1,3-Dichloropropene-	8.19	79	9790	4.80	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.00%
46) 2-Hexanone-d5	8.64	63	52530	47.85	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.70%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	22646	5.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	25114	6.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	122.00%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.94	64	196	0.065	ug/L #	43
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	249	0.065	ug/L #	22
16) Methylene chloride	3.06	84	488	0.116	ug/L	96
25) Chloroform	5.11	83	3619	0.493	ug/L	100
27) 1,2-Dichloroethane	5.74	62	312	0.057	ug/L #	74
33) Benzene	5.75	78	466	0.029	ug/L	100
35) Methylcyclohexane	6.70	83	6020	0.983	ug/L #	15
37) 1,2-Dichloropropane	6.71	63	3195	0.732	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	739	0.123	ug/L	83
44) trans-1,3-Dichloropropene	8.18	75	358	0.064	ug/L #	49
47) Tetrachloroethene	8.56	164	231	0.076	ug/L #	73
49) Dibromochloromethane	8.56	129	301	0.080	ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	3024	0.929	ug/L	89

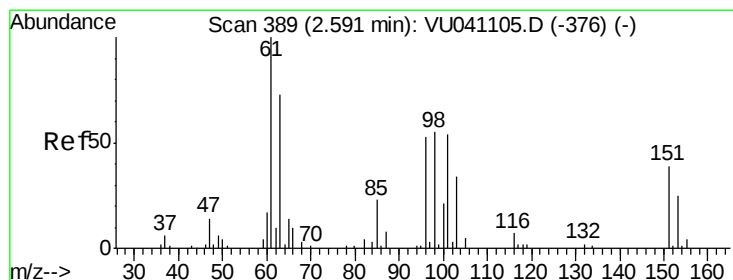
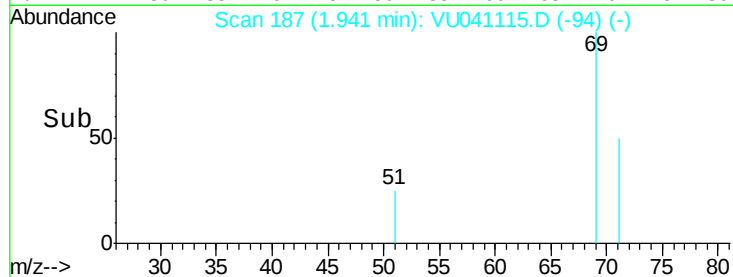
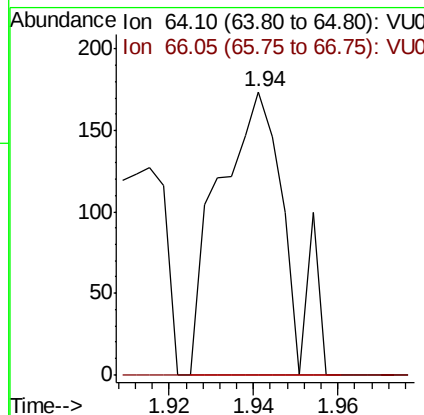
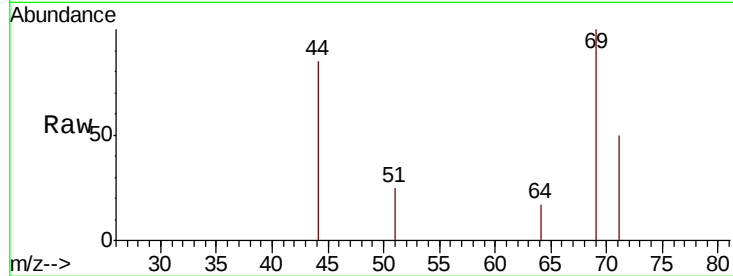
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#8
 Chloroethane
 Concen: 0.065 ug/L
 RT: 1.94 min Scan# 187
 Delta R.T. -0.00 min
 Lab File: VU041115.D
 Acq: 05 Nov 2020 19:22

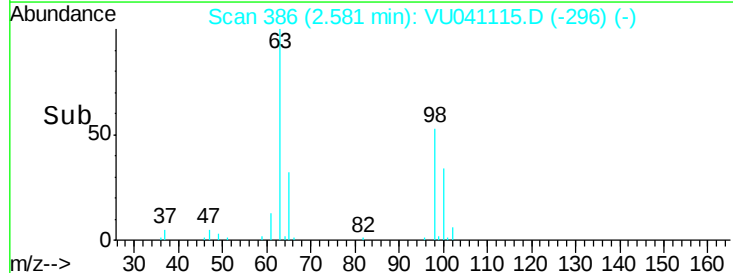
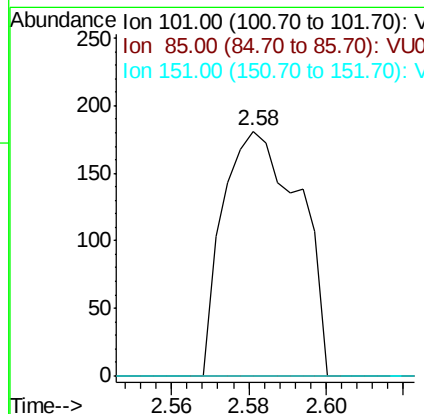
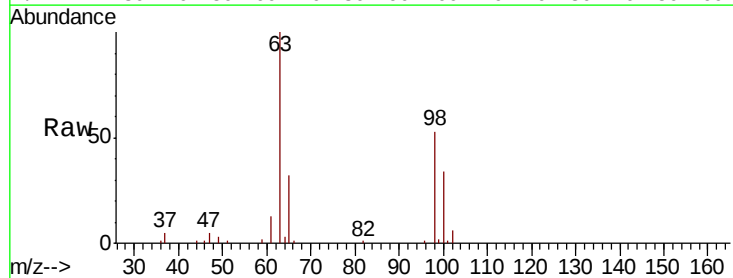
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 MSVOA_U
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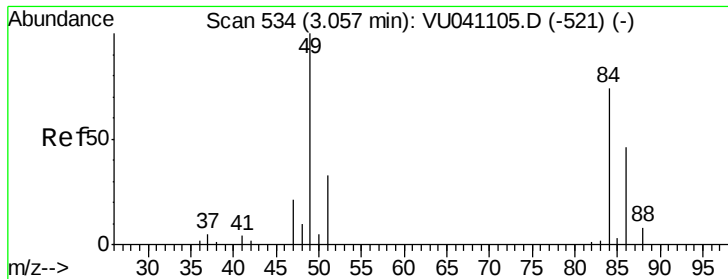
Tot Ion: 64 Resp: 196
 Ion Ratio Lower Upper
 64 100
 66 0.0 22.3 41.5#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.065 ug/L
 RT: 2.58 min Scan# 386
 Delta R.T. -0.01 min
 Lab File: VU041115.D
 Acq: 05 Nov 2020 19:22

Tgt Ion: 101 Resp: 249
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.0 52.4#
 151 0.0 55.3 82.9#

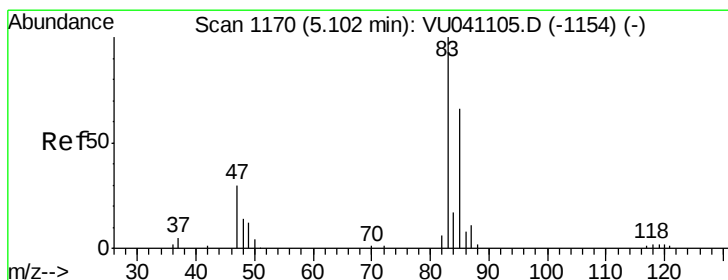
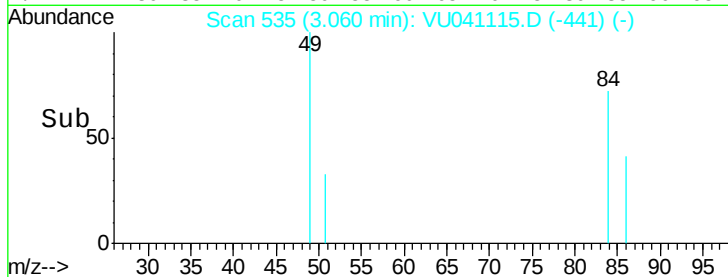
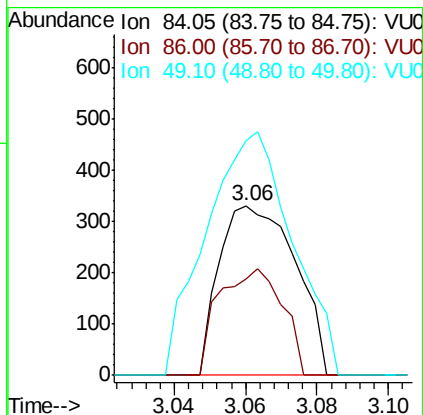
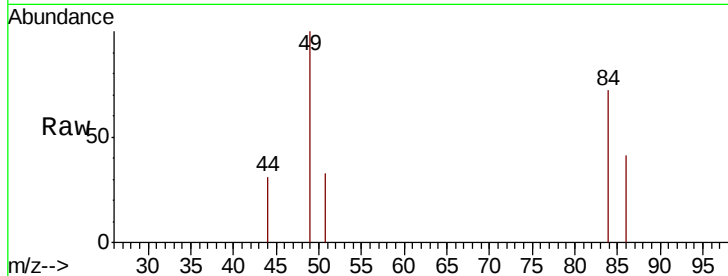




#16
Methylene chloride
Concen: 0.116 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041115.D
Acq: 05 Nov 2020 19:22

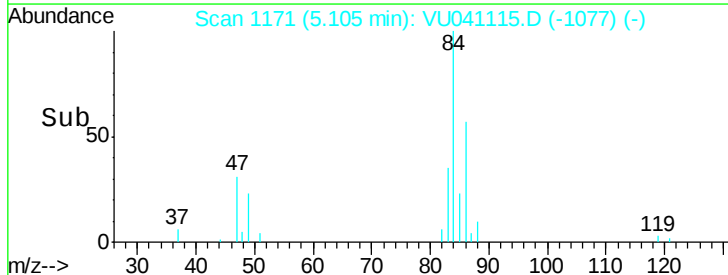
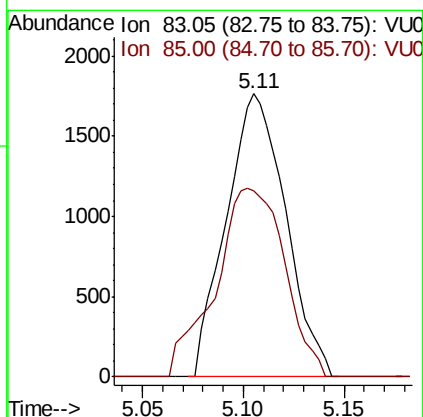
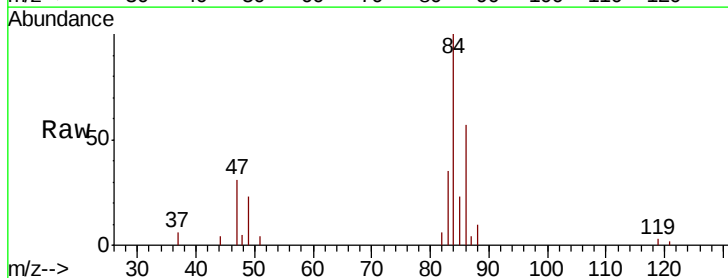
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MSVOA_U
ClientSampled :

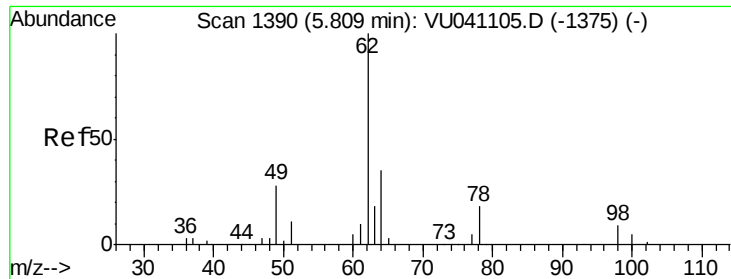
Tot Ion: 84 Resp: 488
Ion Ratio Lower Upper
84 100
86 57.1 42.8 79.6
49 138.1 99.5 184.7



#25
Chloroform
Concen: 0.493 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041115.D
Acq: 05 Nov 2020 19:22

Tgt Ion: 83 Resp: 3619
Ion Ratio Lower Upper
83 100
85 65.9 46.1 85.7

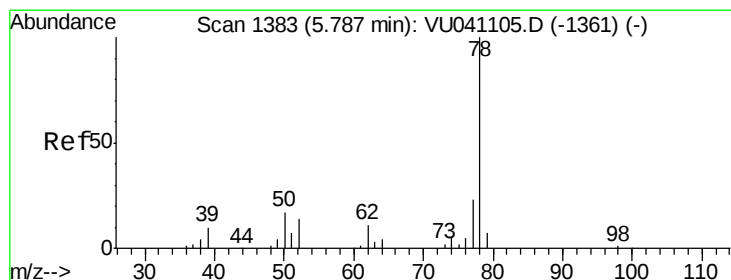
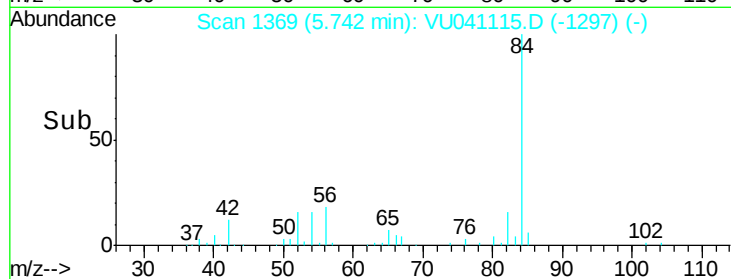
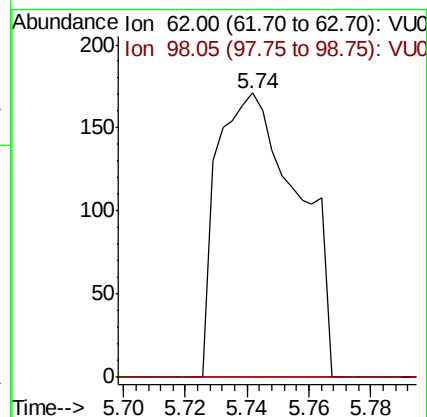
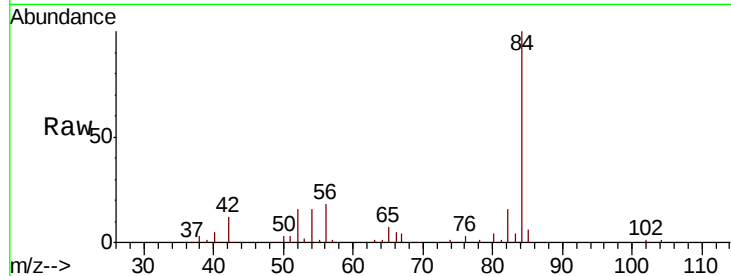




#27
 1,2-Dichloroethane
 Concen: 0.057 ug/L
 RT: 5.74 min Scan# 1369
 Delta R.T. -0.07 min
 Lab File: VU041115.D
 Acq: 05 Nov 2020 19:22

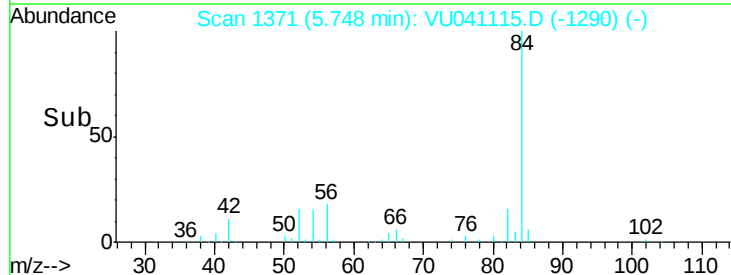
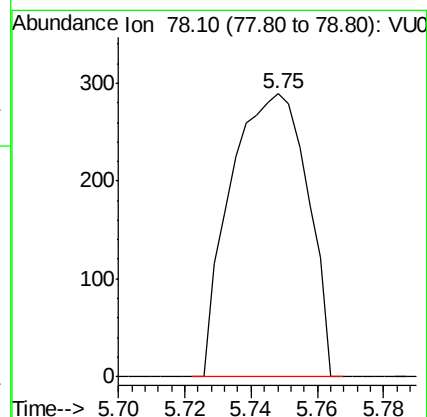
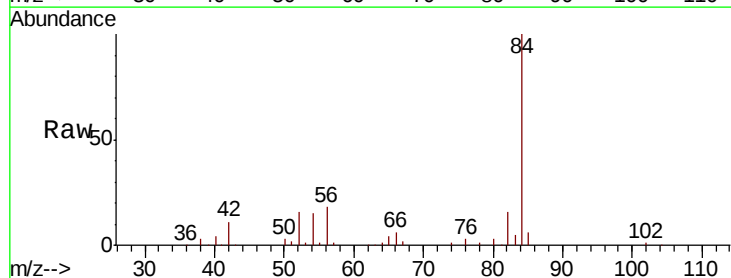
Instrument :
 MSVOA_U
 ClientSampleId :

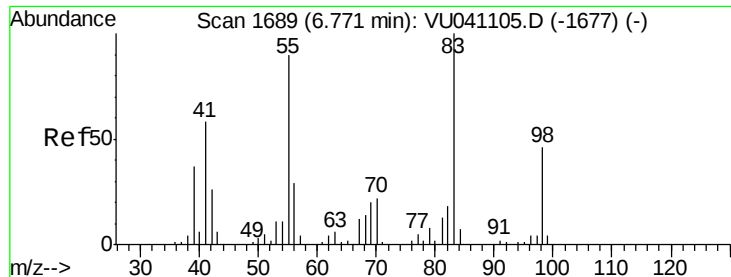
Tot Ion: 62 Resp: 312
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.6 11.4#



#33
 Benzene
 Concen: 0.029 ug/L
 RT: 5.75 min Scan# 1371
 Delta R.T. -0.04 min
 Lab File: VU041115.D
 Acq: 05 Nov 2020 19:22

Tgt Ion: 78 Resp: 466

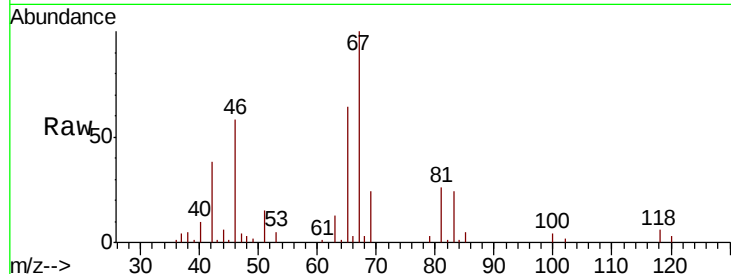




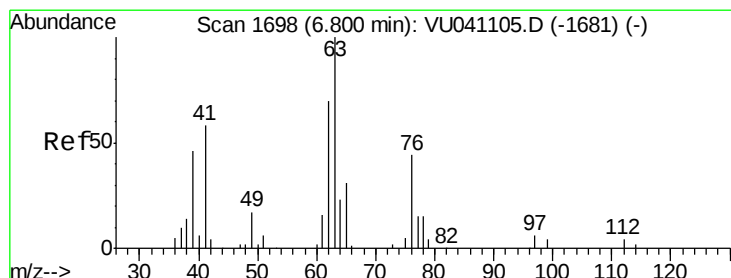
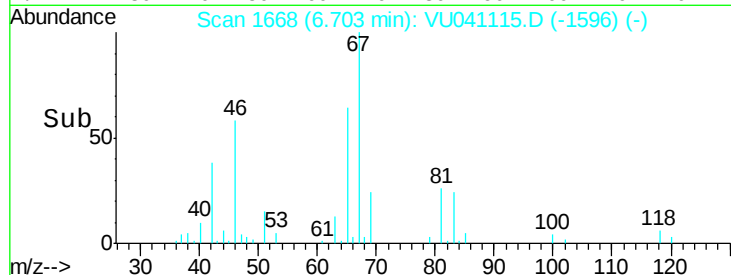
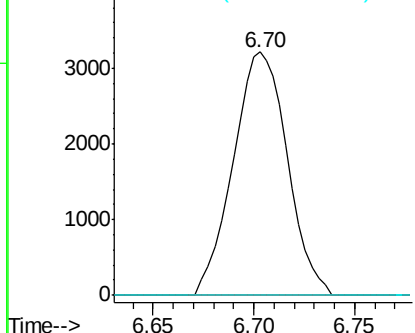
#35
Methvlcvclohexane
Concen: 0.983 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041115.D
Acq: 05 Nov 2020 19:22

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 6020
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 3.4 36.6 55.0#

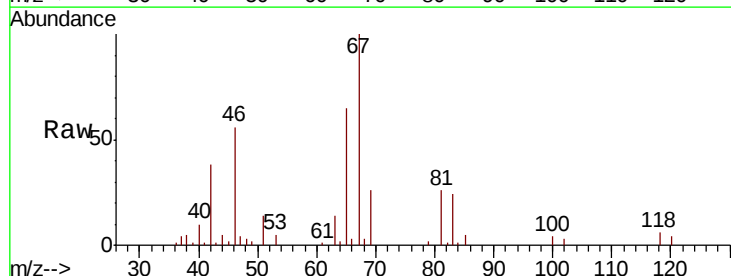


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

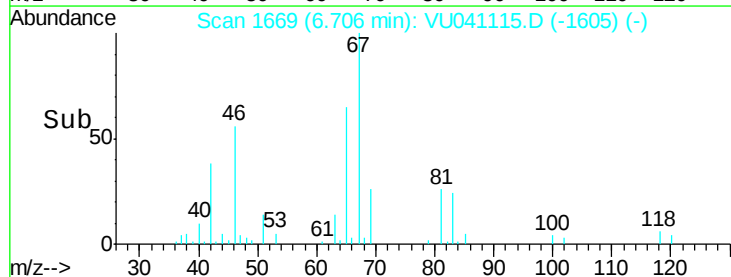
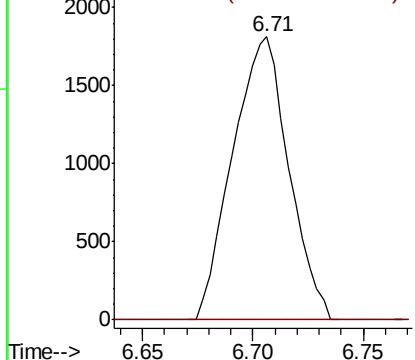


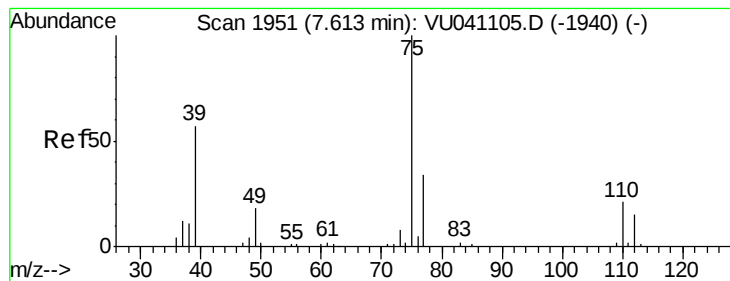
#37
1,2-Dichloropropane
Concen: 0.732 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.09 min
Lab File: VU041115.D
Acq: 05 Nov 2020 19:22

Tgt Ion: 63 Resp: 3195
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



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



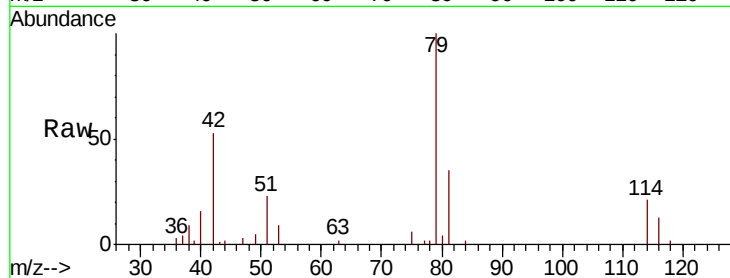


#39

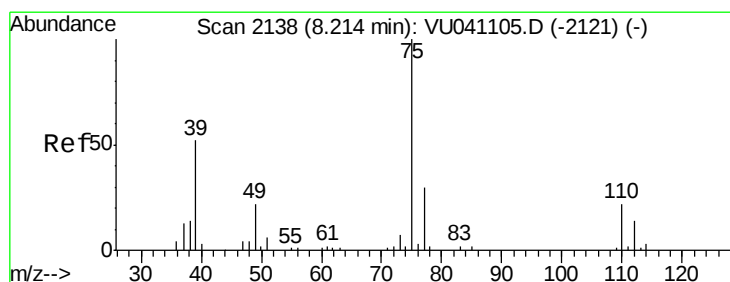
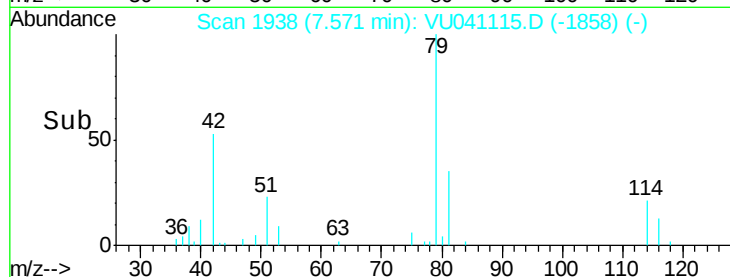
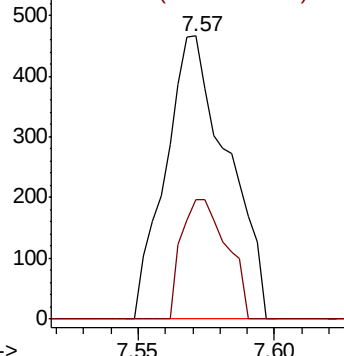
cis-1,3-Dichloropropene
Concen: 0.123 ug/L
RT: 7.57 min Scan# 1938
Delta R.T. -0.04 min
Lab File: VU041115.D
Acq: 05 Nov 2020 19:22

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 75 Resp: 739
Ion Ratio Lower Upper
75 100
77 42.1 22.7 42.3



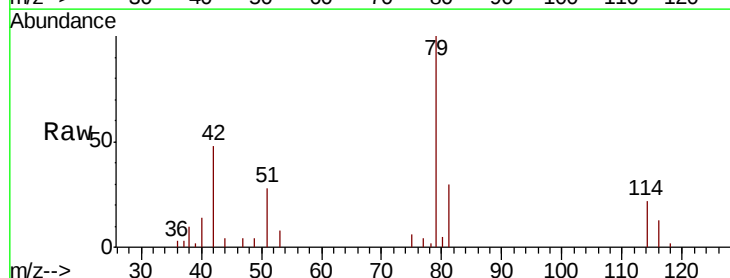
Abundance Ion 75.05 (74.75 to 75.75): VU0
Ion 77.05 (76.75 to 77.75): VU0



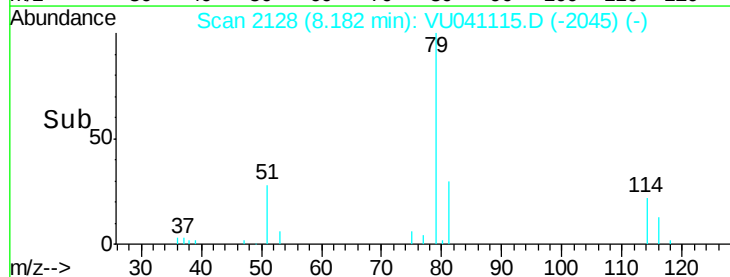
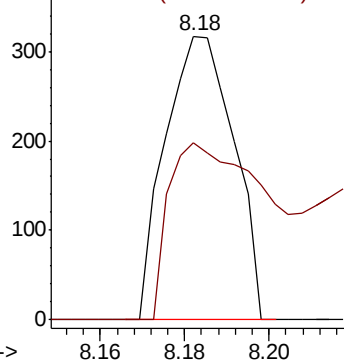
#44

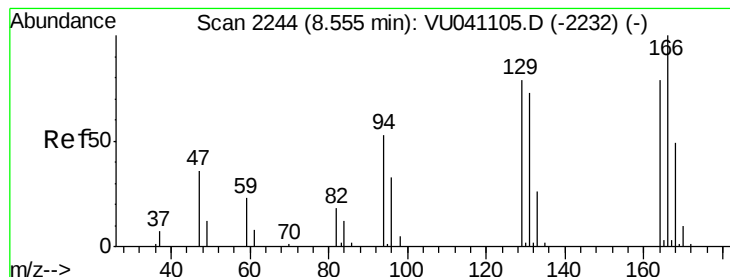
trans-1,3-Dichloropropene
Concen: 0.064 ug/L
RT: 8.18 min Scan# 2128
Delta R.T. -0.03 min
Lab File: VU041115.D
Acq: 05 Nov 2020 19:22

Tgt Ion: 75 Resp: 358
Ion Ratio Lower Upper
75 100
77 62.5 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0
Ion 77.05 (76.75 to 77.75): VU0





#47

Tetrachloroethene

Concen: 0.076 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041115.D

Acq: 05 Nov 2020 19:22

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 231

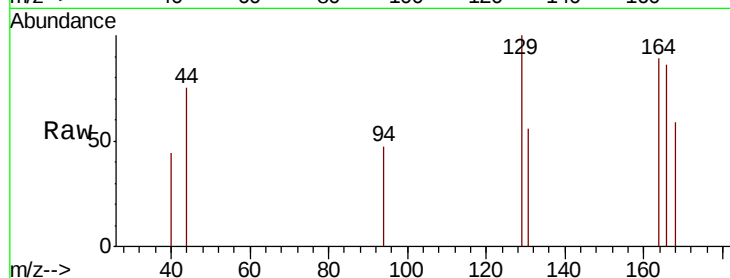
Ion Ratio Lower Upper

164 100

129 112.3 70.3 130.7

131 63.1 70.8 131.4#

166 97.0 92.0 170.8

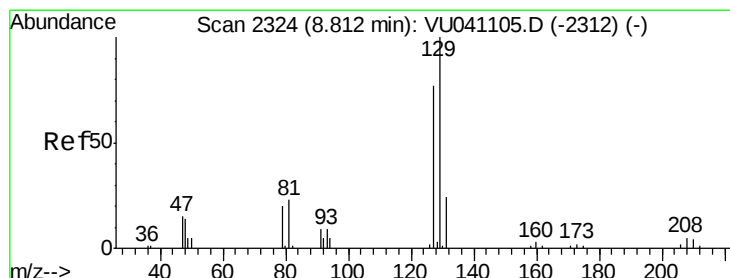
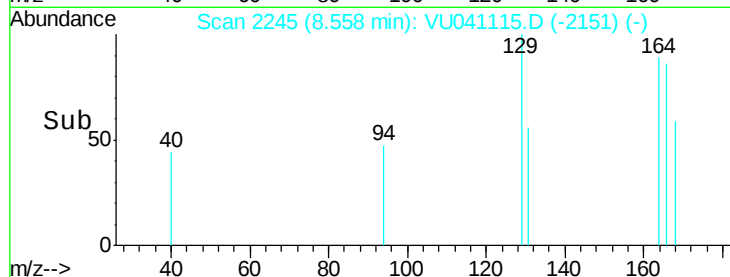
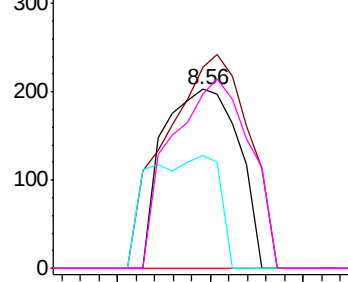


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#49

Dibromochloromethane

Concen: 0.080 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. -0.25 min

Lab File: VU041115.D

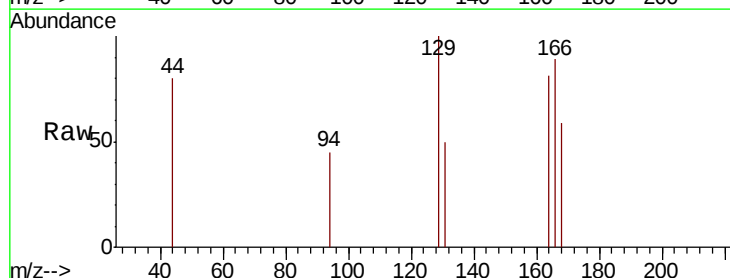
Acq: 05 Nov 2020 19:22

Tgt Ion:129 Resp: 301

Ion Ratio Lower Upper

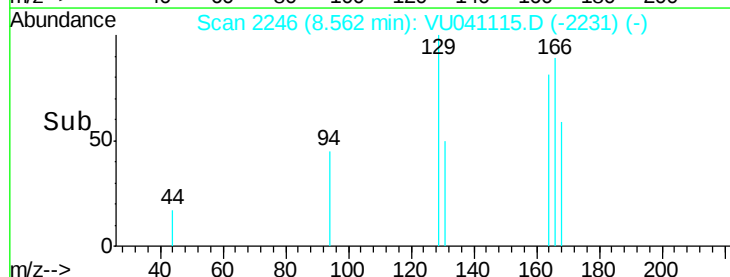
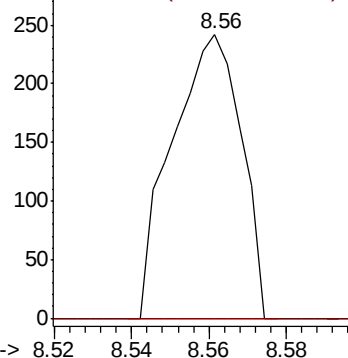
129 100

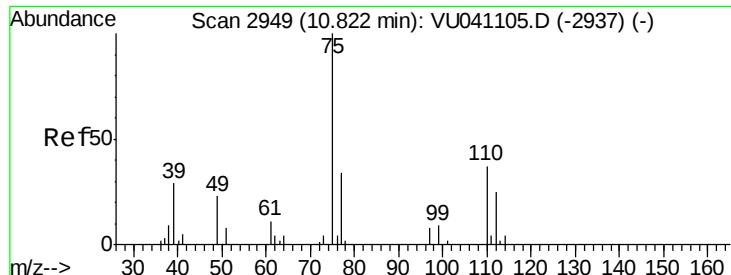
127 0.0 53.4 99.2#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V





#59

1,2,3-Trichloropropane

Concen: 0.929 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041115.D

Acq: 05 Nov 2020 19:22

Instrument :

MSVOA_U

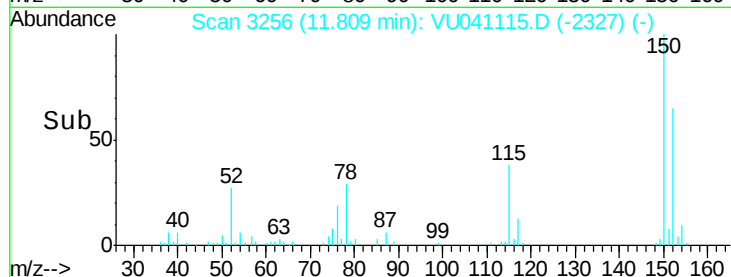
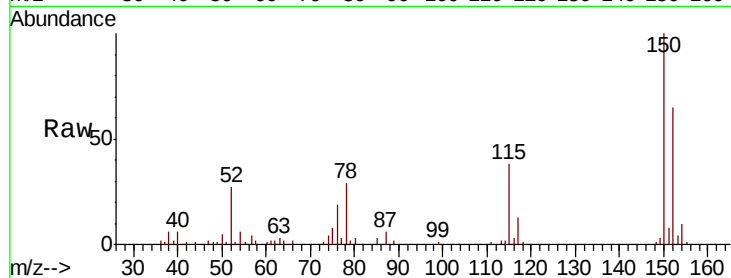
ClientSampleId :

Tot Ion: 75 Resp: 3024

Ion Ratio Lower Upper

75 100

77 38.1 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

