

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111620\
 Data File : VU041253.D
 Acq On : 16 Nov 2020 17:16
 Operator : SY/MD
 Sample : L4740-04MS
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB110MS

Quant Time: Nov 17 09:25:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Nov 16 12:08:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	52297	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	45465	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	19217	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	22092	5.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	114.80%
7) Chloroethane-d5	1.92	69	20655	6.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	125.60%
11) 1,1-Dichloroethene-d2	2.58	63	42458	5.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	106.80%
20) 2-Butanone-d5	4.65	46	94649	59.67	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.34%
24) Chloroform-d	5.08	84	46010	5.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.60%
26) 1,2-Dichloroethane-d4	5.72	65	30975	5.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.00%
32) Benzene-d6	5.74	84	76675	6.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	125.20%#
36) 1,2-Dichloropropane-d6	6.70	67	27285	6.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	129.20%
41) Toluene-d8	7.90	98	52383	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.80%
43) trans-1,3-Dichloropropene-	8.18	79	9237	5.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.60%
46) 2-Hexanone-d5	8.64	63	67960	69.99	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	139.98%#
57) 1,1,2,2-Tetrachloroethane-	10.75	84	26459	6.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	129.20%#
64) 1,2-Dichlorobenzene-d4	12.19	152	19419	5.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.60%

Target Compounds

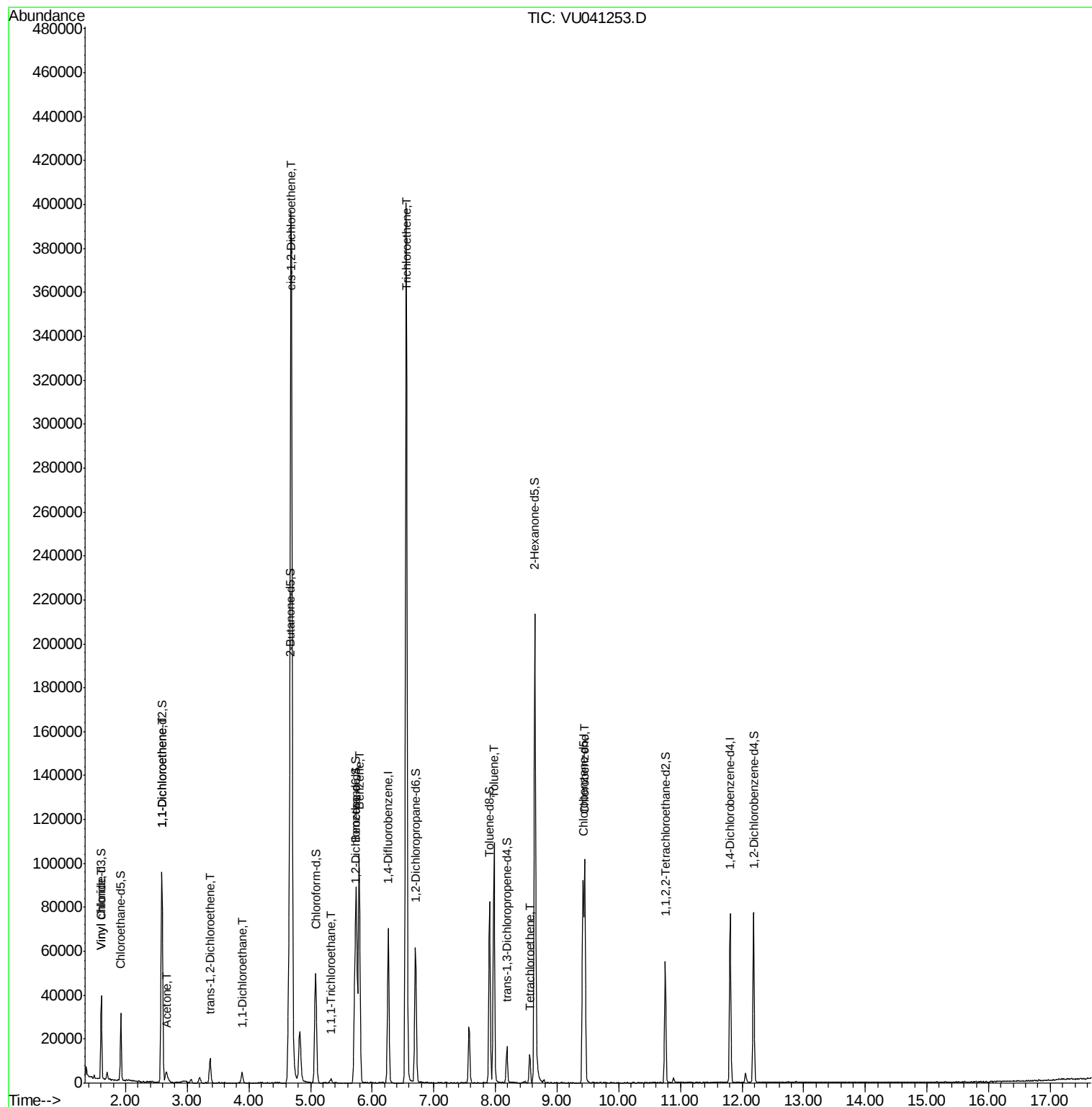
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	2666	0.587	ug/L	89
12) 1,1-Dichloroethene	2.59	96	21167	6.218	ug/L	94
13) Acetone	2.66	43	9872	9.382	ug/L #	57
18) trans-1,2-Dichloroethene	3.37	96	4109	1.239	ug/L	97
19) 1,1-Dichloroethane	3.89	63	5211	0.703	ug/L	97
22) cis-1,2-Dichloroethene	4.69	96	181567	48.489	ug/L	97
29) 1,1,1-Trichloroethane	5.33	97	1325	0.238	ug/L	91
33) Benzene	5.79	78	93202	7.565	ug/L	100
34) Trichloroethene	6.55	95	133964	40.231	ug/L	97
42) Toluene	7.98	91	74877	5.687	ug/L	97
47) Tetrachloroethene	8.56	164	2674	1.087	ug/L	92
51) Chlorobenzene	9.45	112	48793	5.595	ug/L	99

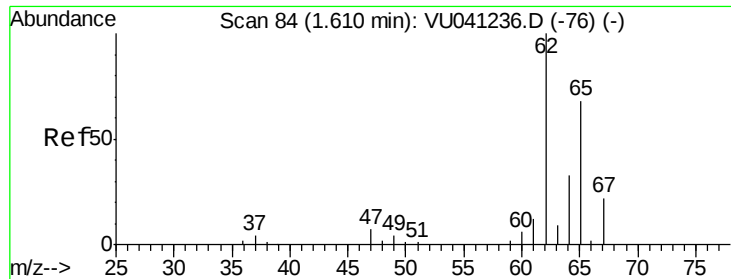
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.587 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041253.D

Acq: 16 Nov 2020 17:16

Instrument :

MSVOA_U

ClientSampleId :

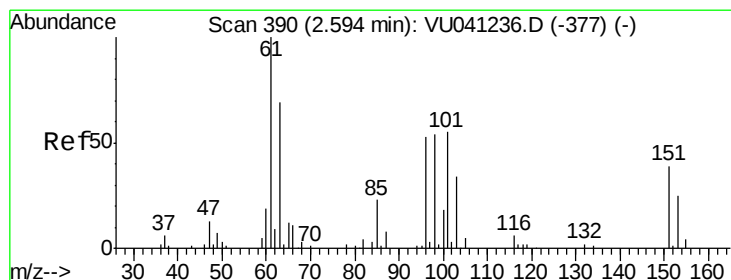
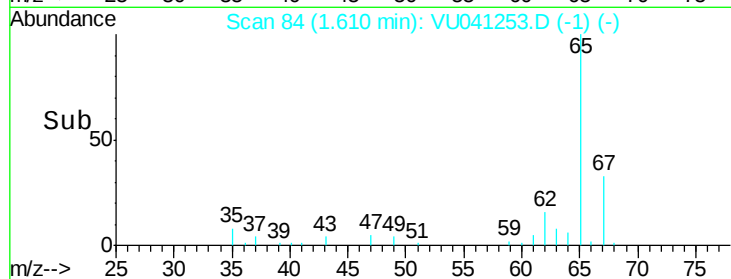
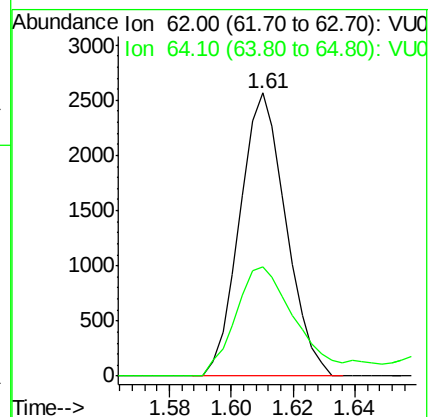
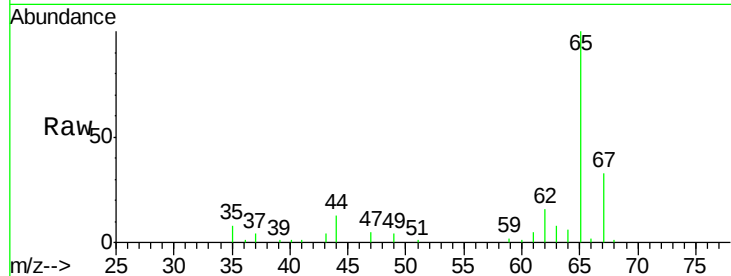
GB110MS

Tot Ion: 62 Resp: 2666

Ion Ratio Lower Upper

62 100

64 38.7 22.7 42.3



#12

1,1-Dichloroethene

Concen: 6.218 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU041253.D

Acq: 16 Nov 2020 17:16

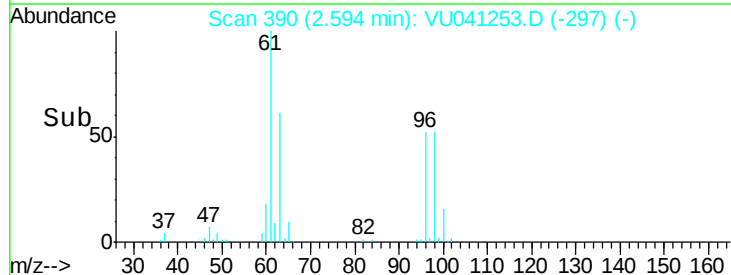
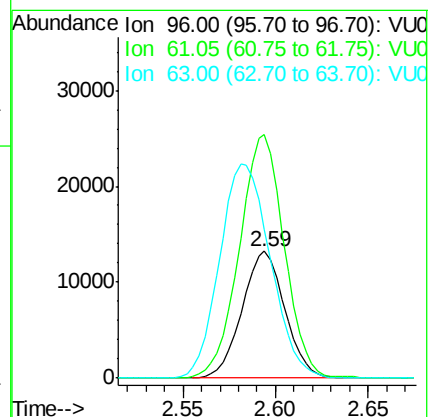
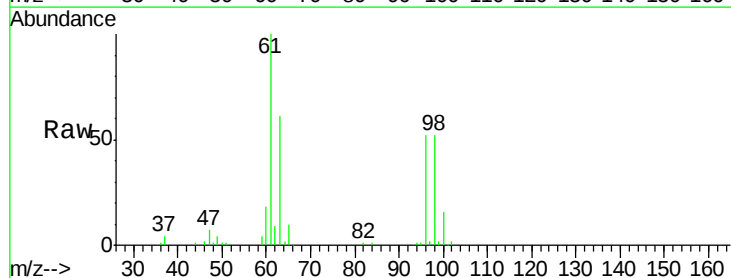
Tgt Ion: 96 Resp: 21167

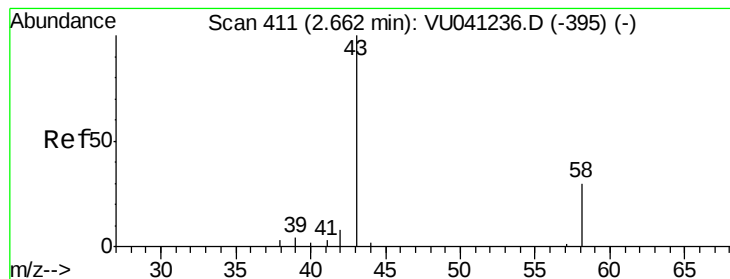
Ion Ratio Lower Upper

96 100

61 191.8 134.3 249.5

63 117.1 95.0 176.4





#13

Acetone

Concen: 9.382 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.00 min

Lab File: VU041253.D

Acq: 16 Nov 2020 17:16

Instrument :

MSVOA_U

ClientSampleId :

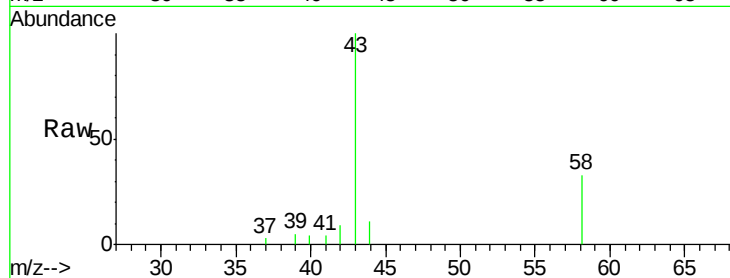
GB110MS

Tot Ion: 43 Resp: 9872

Ion Ratio Lower Upper

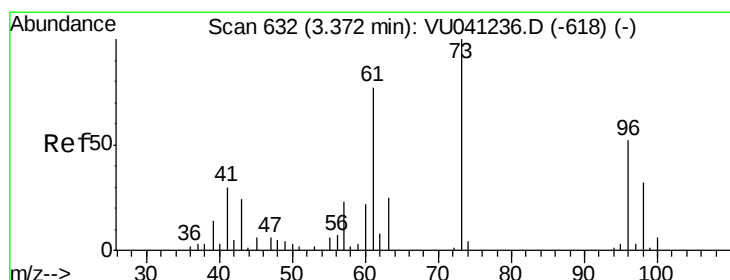
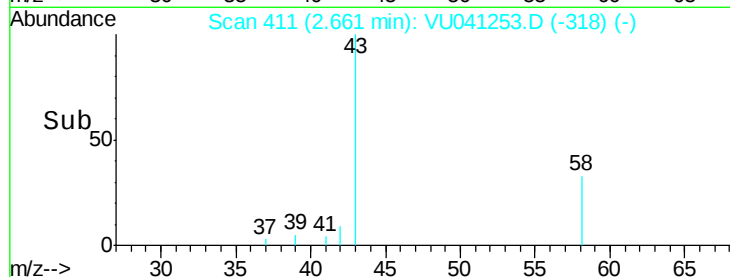
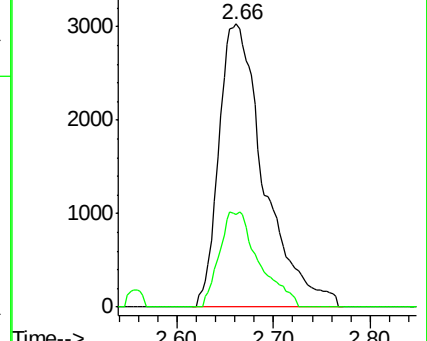
43 100

58 29.5 0.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#18

trans-1,2-Dichloroethene

Concen: 1.239 ug/L

RT: 3.37 min Scan# 632

Delta R.T. -0.00 min

Lab File: VU041253.D

Acq: 16 Nov 2020 17:16

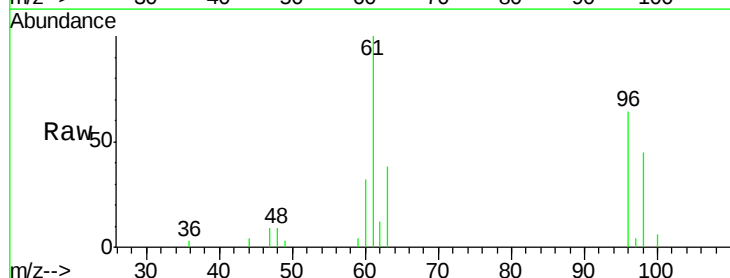
Tgt Ion: 96 Resp: 4109

Ion Ratio Lower Upper

96 100

61 156.8 110.9 205.9

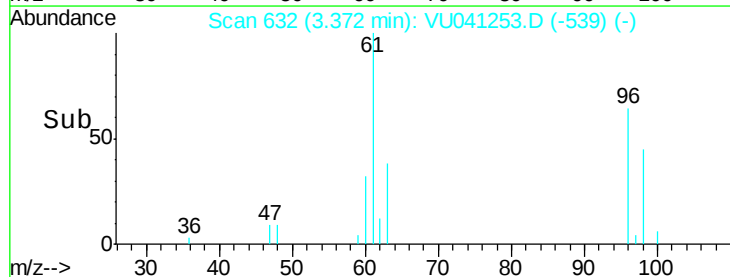
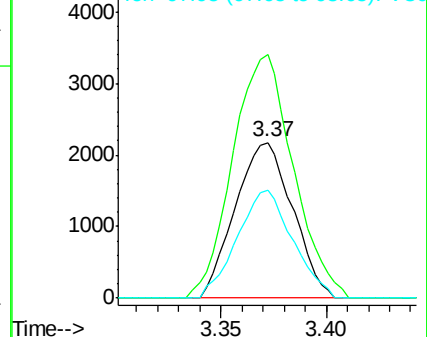
98 69.8 45.4 84.2

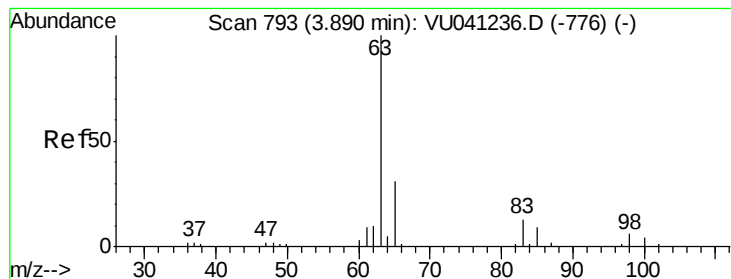


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 0.703 ug/L

RT: 3.89 min Scan# 793

Delta R.T. -0.00 min

Lab File: VU041253.D

Acq: 16 Nov 2020 17:16

Instrument :

MSVOA_U

ClientSampleId :

GB110MS

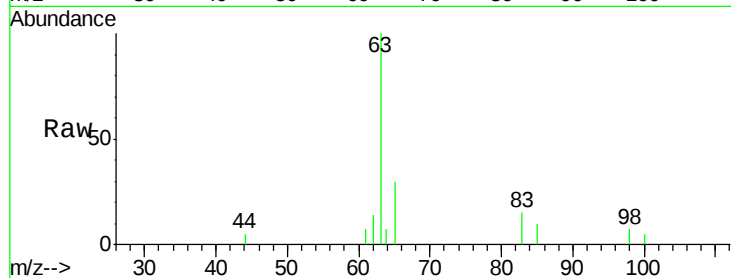
Tot Ion: 63 Resp: 5211

Ion Ratio Lower Upper

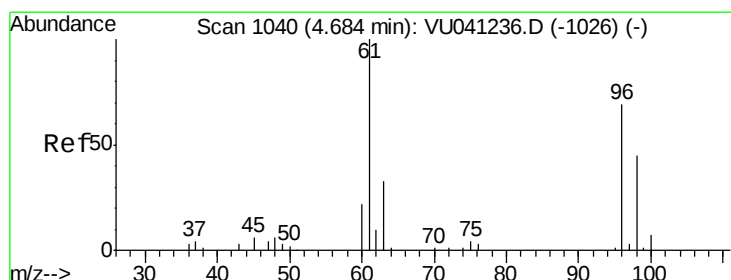
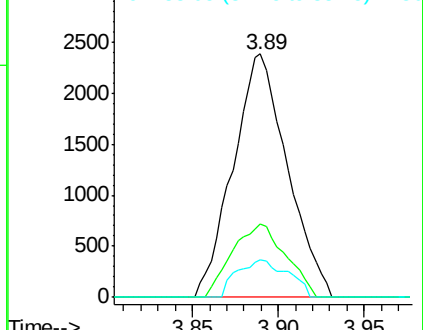
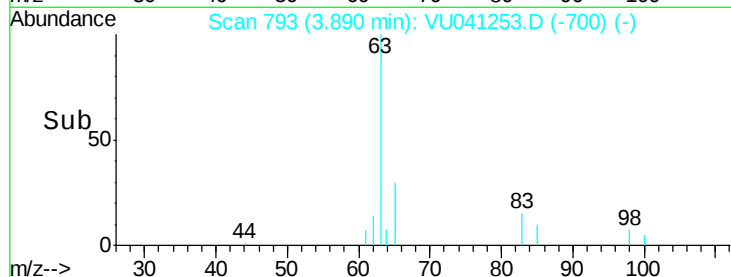
63 100

65 30.2 21.3 39.6

83 15.5 8.8 16.3



Abundance Ion 63.10 (62.80 to 63.80): VU041253.D (-700) (-)



#22

cis-1,2-Dichloroethene

Concen: 48.489 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU041253.D

Acq: 16 Nov 2020 17:16

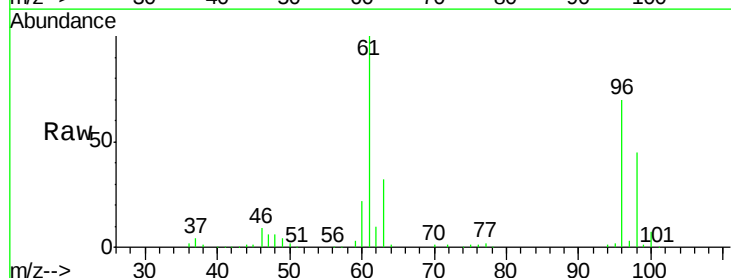
Tgt Ion: 96 Resp: 181567

Ion Ratio Lower Upper

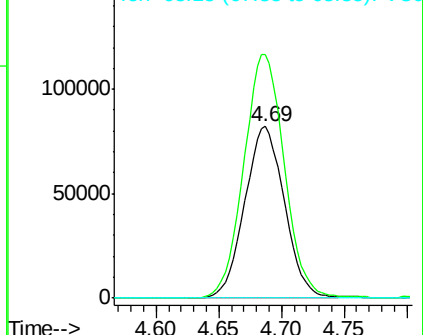
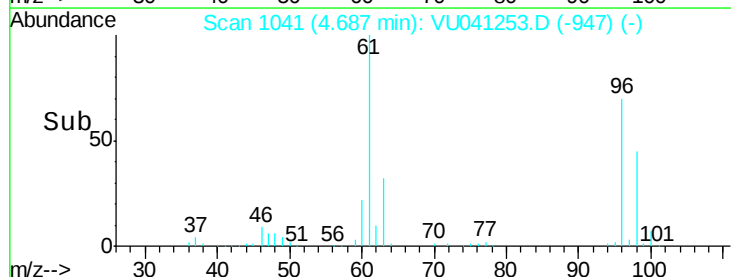
96 100

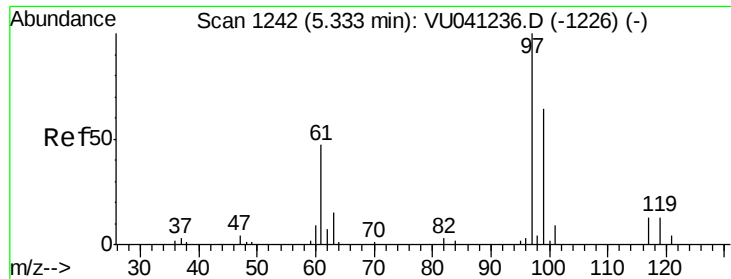
61 142.0 97.2 180.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041253.D (-947) (-)

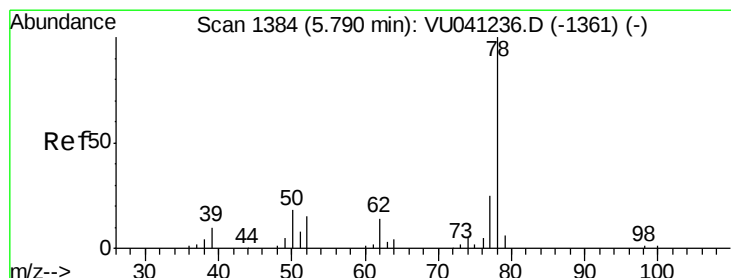
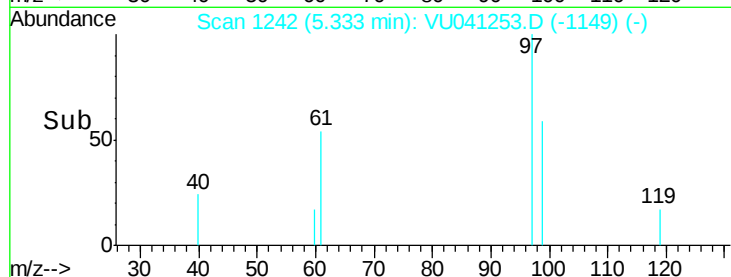
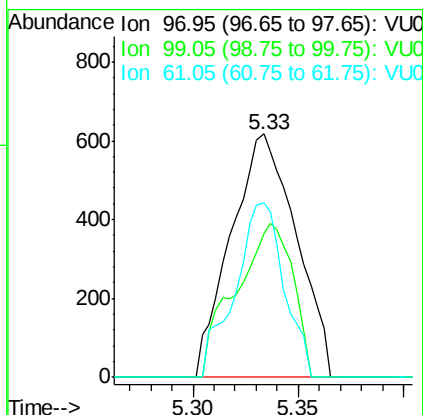
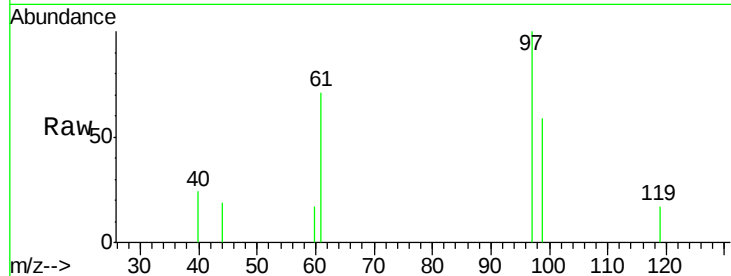




#29
 1,1,1-Trichloroethane
 Concen: 0.238 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VU041253.D
 Acq: 16 Nov 2020 17:16

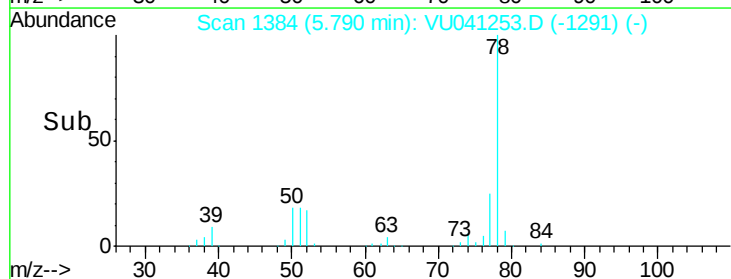
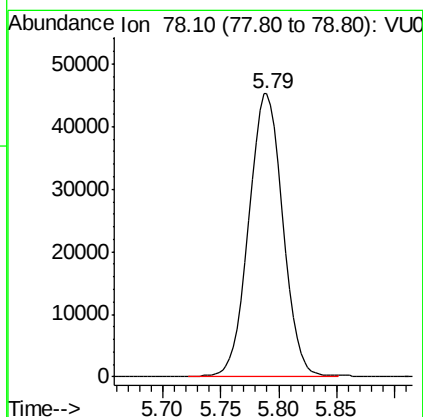
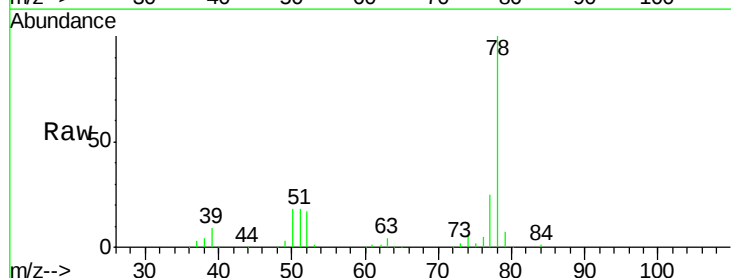
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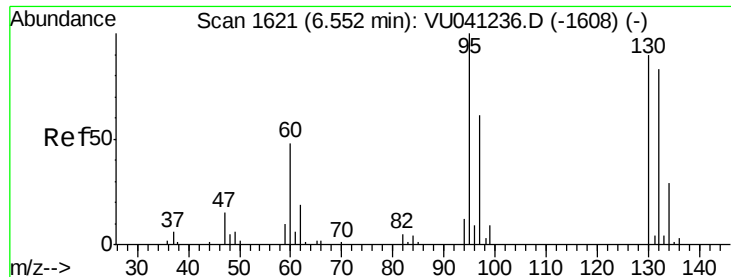
Tot Ion: 97 Resp: 1325
 Ion Ratio Lower Upper
 97 100
 99 55.6 53.4 80.0
 61 54.0 41.6 62.4



#33
 Benzene
 Concen: 7.565 ug/L
 RT: 5.79 min Scan# 1384
 Delta R.T. -0.00 min
 Lab File: VU041253.D
 Acq: 16 Nov 2020 17:16

Tgt Ion: 78 Resp: 93202

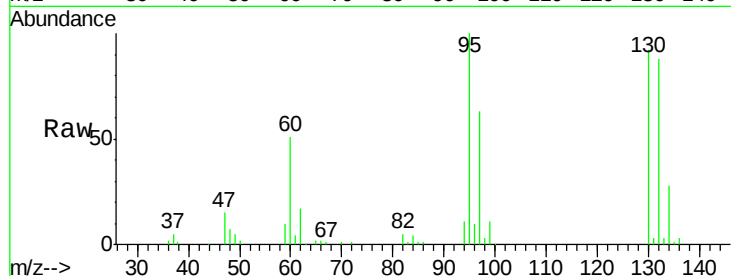




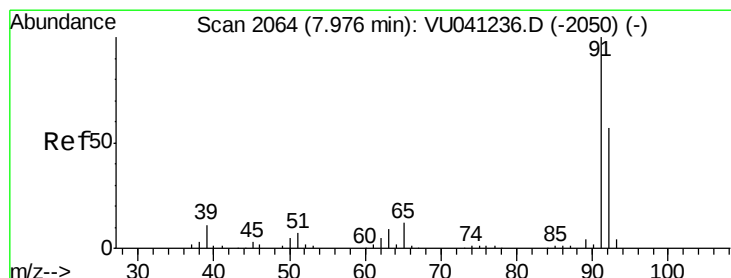
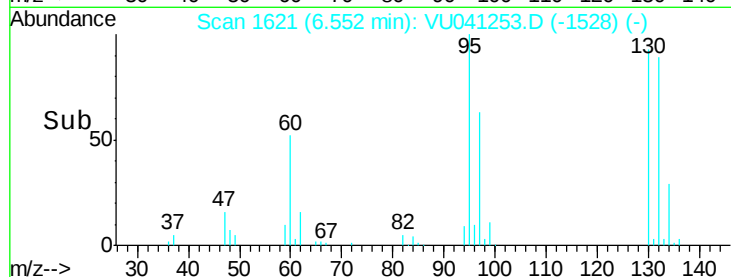
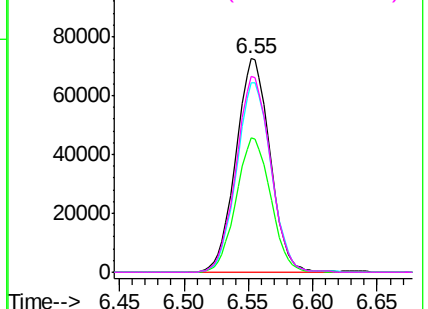
#34
 Trichloroethene
 Concen: 40.231 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU041253.D
 Acq: 16 Nov 2020 17:16

Instrument :
 MSVOA_U
 ClientSampleId :
 GB110MS

Tot Ion: 95 Resp: 133964
 Ion Ratio Lower Upper
 95 100
 97 62.7 45.6 84.6
 132 88.4 64.8 120.4
 130 91.7 64.8 120.4

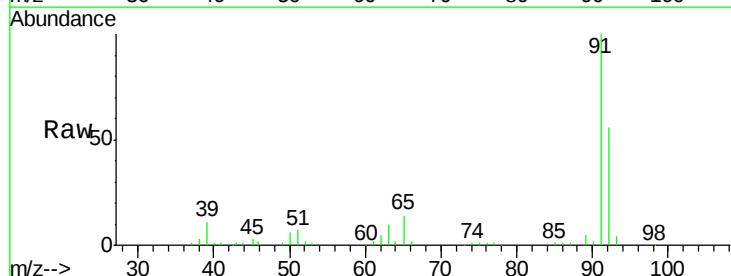


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

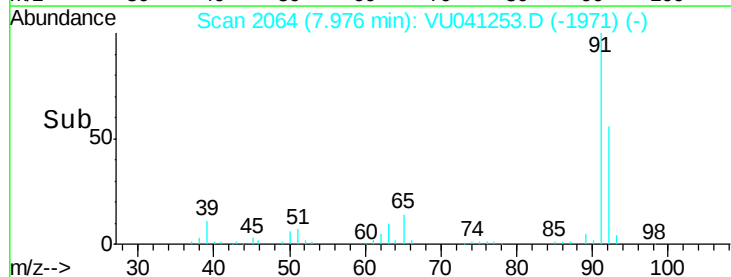
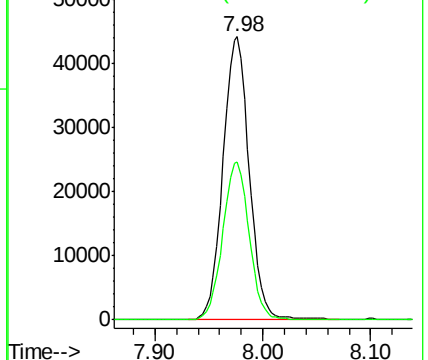


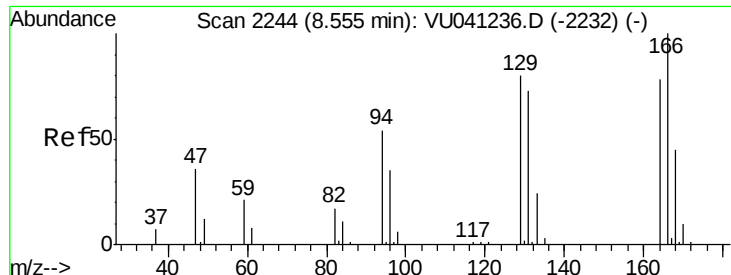
#42
 Toluene
 Concen: 5.687 ug/L
 RT: 7.98 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VU041253.D
 Acq: 16 Nov 2020 17:16

Tgt Ion: 91 Resp: 74877
 Ion Ratio Lower Upper
 91 100
 92 55.7 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU0
 Ion 92.15 (91.85 to 92.85): VU0





#47

Tetrachloroethene

Concen: 1.087 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041253.D

Acq: 16 Nov 2020 17:16

Instrument :

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ClientSampleId :

GB110MS

Tot Ion:164 Resp: 2674

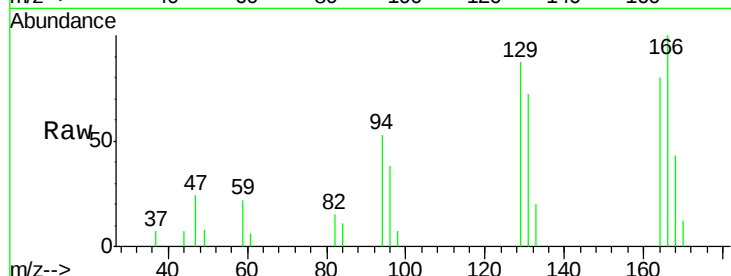
Ion Ratio Lower Upper

164 100

129 108.8 70.3 130.7

131 89.6 70.8 131.4

166 125.1 92.0 170.8

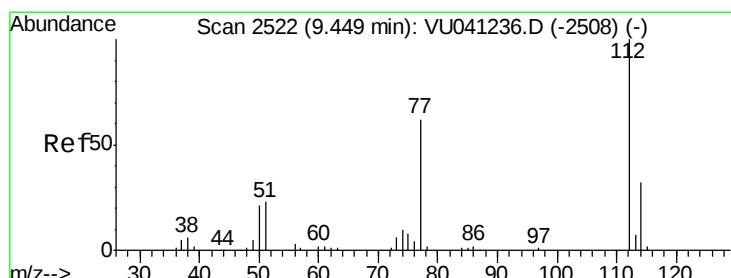
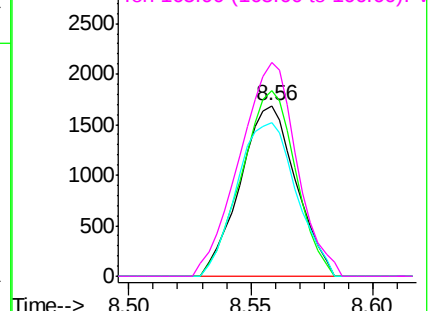
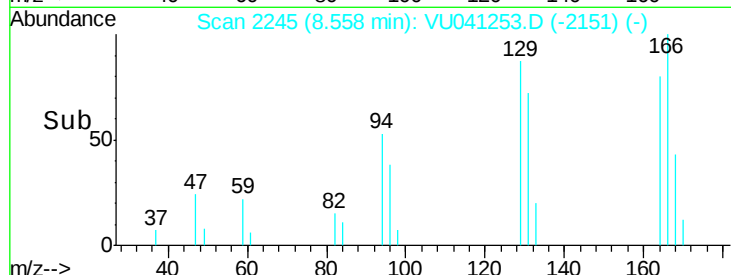


Abundance Ion 163.90 (163.60 to 164.60): V

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



#51

Chlorobenzene

Concen: 5.595 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU041253.D

Acq: 16 Nov 2020 17:16

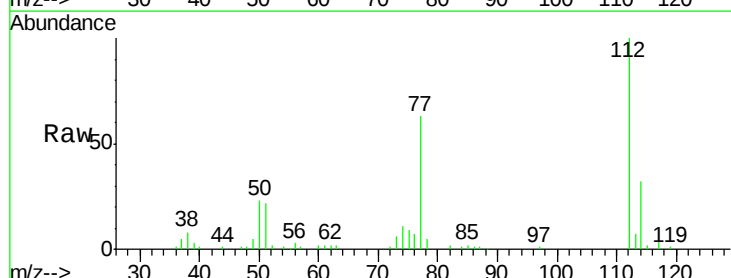
Tgt Ion:112 Resp: 48793

Ion Ratio Lower Upper

112 100

114 31.9 22.4 41.6

77 63.1 51.2 76.8



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V

