

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111720\
 Data File : VU041295.D
 Acq On : 17 Nov 2020 23:02
 Operator : SY/MD
 Sample : L4740-12
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB117

Quant Time: Nov 18 00:39:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 18 00:06:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	64479	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	64510	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	26753	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	22833	4.81	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.20%
7) Chloroethane-d5	1.92	69	19483	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.00%
11) 1,1-Dichloroethene-d2	2.58	63	33292	3.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.00%
20) 2-Butanone-d5	4.66	46	88094	45.05	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.10%
24) Chloroform-d	5.08	84	46342	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
26) 1,2-Dichloroethane-d4	5.72	65	30123	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
32) Benzene-d6	5.74	84	83082	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	6.70	67	28137	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.80%
41) Toluene-d8	7.91	98	65725	4.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.20%
43) trans-1,3-Dichloropropene-	8.19	79	11194	4.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.80%
46) 2-Hexanone-d5	8.64	63	61519	44.65	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.30%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	25659	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	24883	4.77	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.40%

Target Compounds

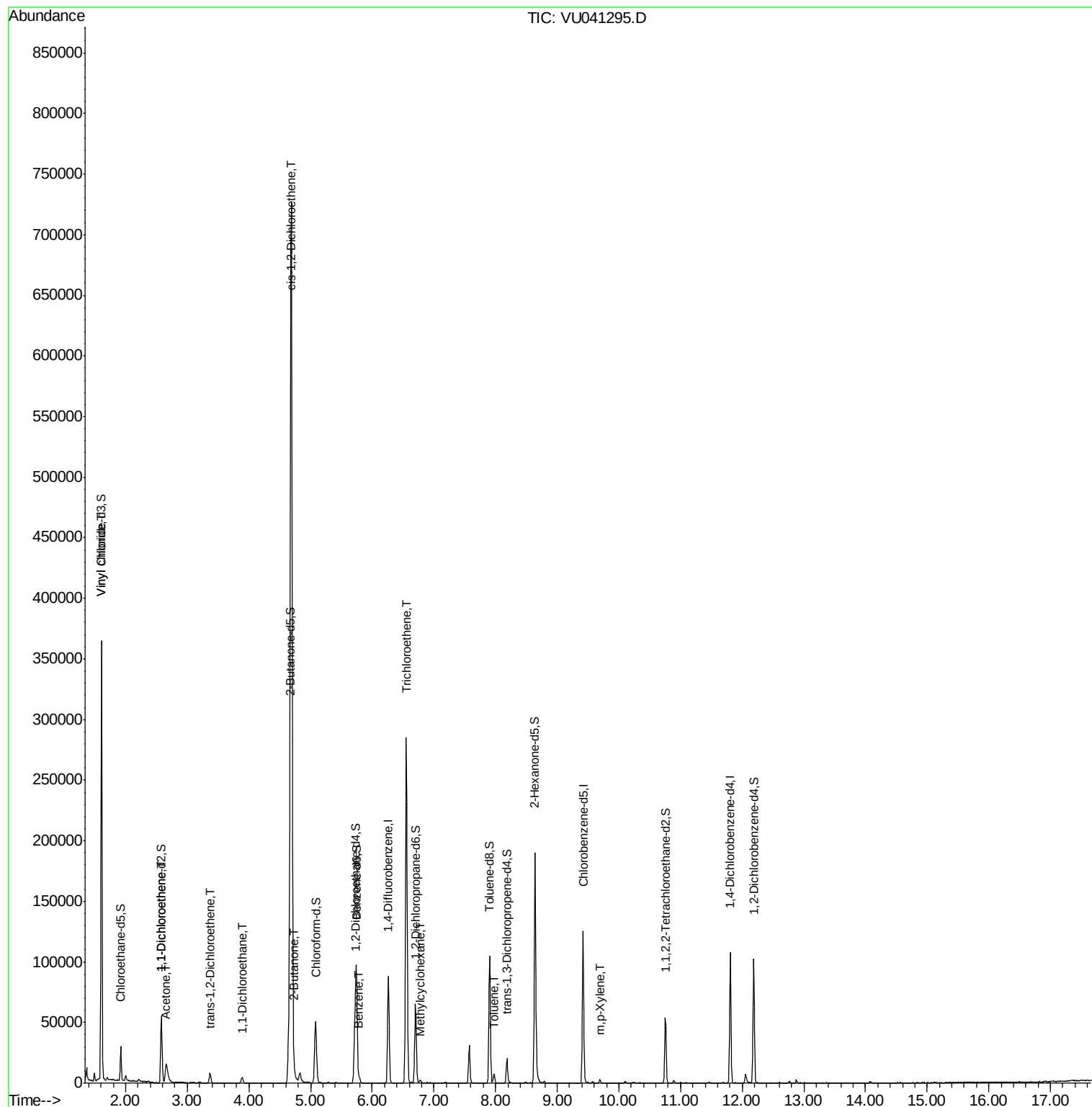
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	216856	38.741	ug/L	99
12) 1,1-Dichloroethene	2.59	96	1909	0.455	ug/L #	1
13) Acetone	2.66	43	31951	24.629	ug/L #	62
18) trans-1,2-Dichloroethene	3.37	96	3342	0.818	ug/L	89
19) 1,1-Dichloroethane	3.89	63	5608	0.614	ug/L	98
21) 2-Butanone	4.74	43	4198	2.131	ug/L #	52
22) cis-1,2-Dichloroethene	4.69	96	345544	74.846	ug/L	97
33) Benzene	5.79	78	4514	0.258	ug/L	100
34) Trichloroethene	6.55	95	95877	20.292	ug/L	99
35) Methylcyclohexane	6.78	83	791	0.126	ug/L #	83
42) Toluene	7.98	91	5555	0.297	ug/L	90
53) m,p-Xylene	9.69	106	864	0.120	ug/L	83

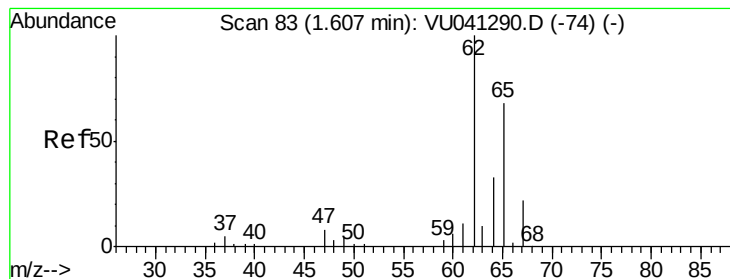
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 38.741 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041295.D

Acq: 17 Nov 2020 23:02

Instrument :

MSVOA_U

ClientSampleId :

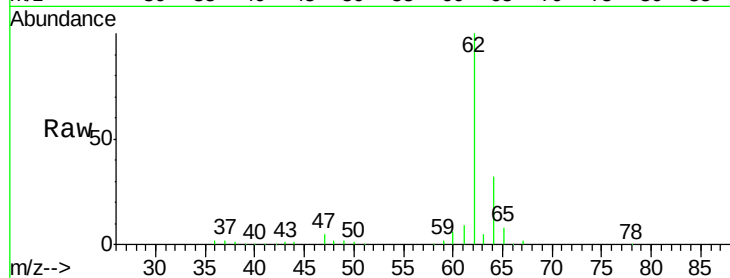
GB117

Tot Ion: 62 Resp: 216856

Ion Ratio Lower Upper

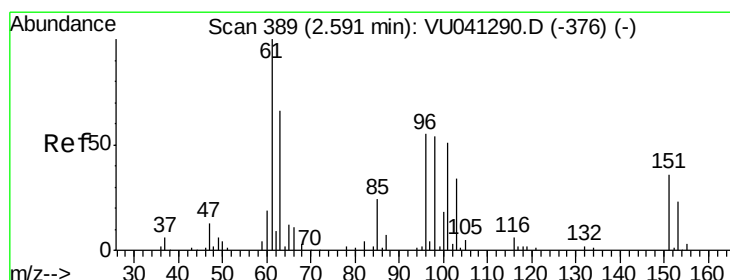
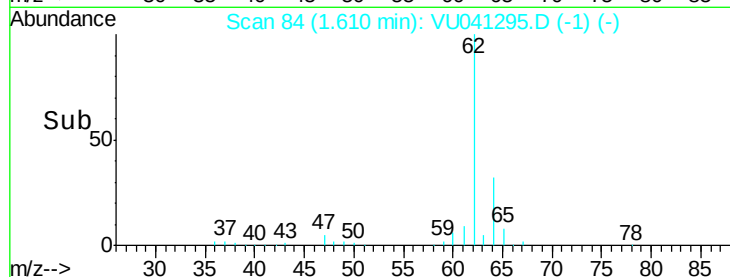
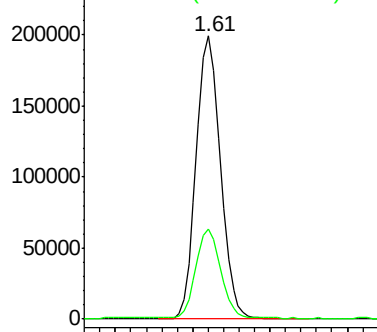
62 100

64 32.0 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#12

1,1-Dichloroethene

Concen: 0.455 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041295.D

Acq: 17 Nov 2020 23:02

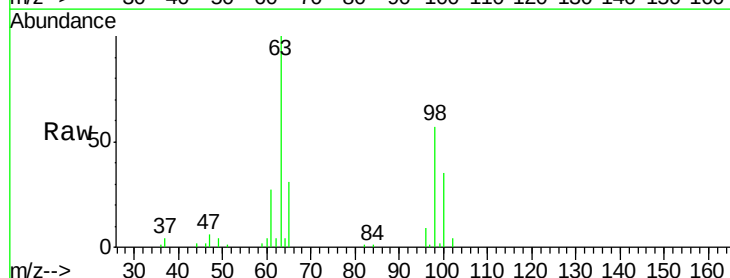
Tgt Ion: 96 Resp: 1909

Ion Ratio Lower Upper

96 100

61 293.9 134.3 249.5#

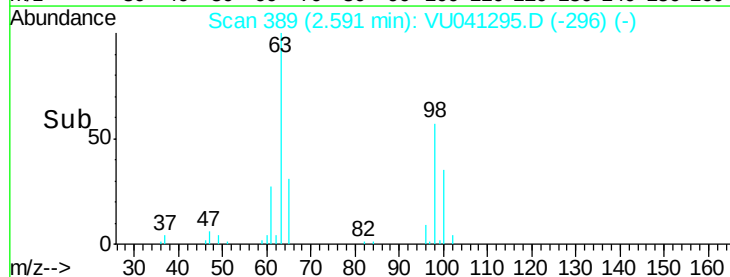
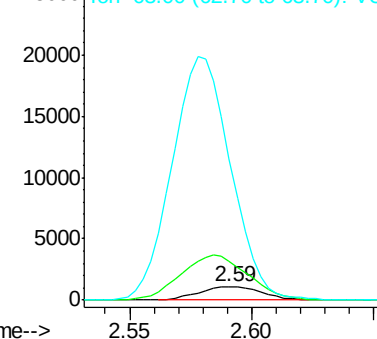
63 1072.6 95.0 176.4#

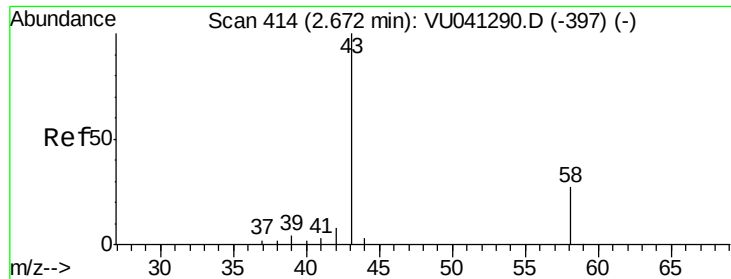


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 24.629 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU041295.D

Acq: 17 Nov 2020 23:02

Instrument :

MSVOA_U

ClientSampleId :

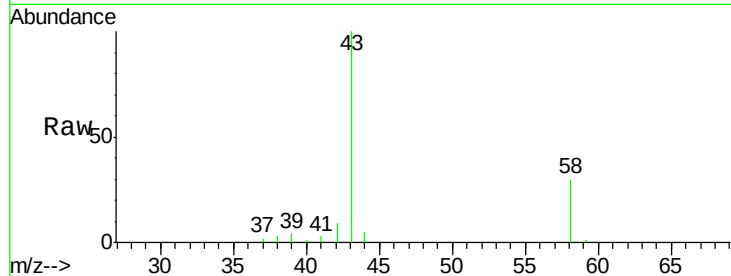
GB117

Tot Ion: 43 Resp: 31951

Ion Ratio Lower Upper

43 100

58 27.7 0.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.66

10000

8000

6000

4000

2000

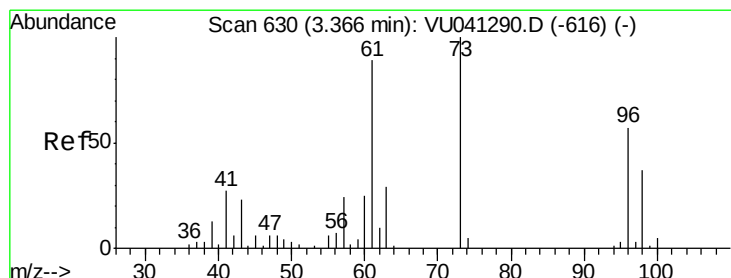
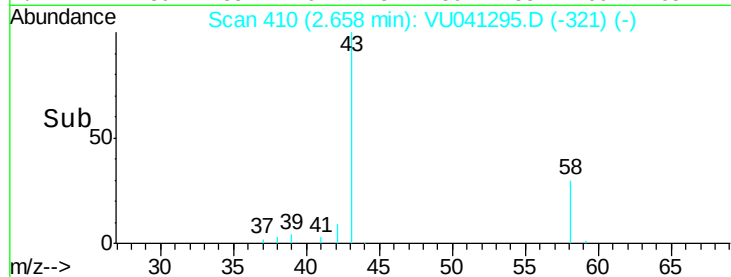
0

Time-->

2.60

2.70

2.80



#18

trans-1,2-Dichloroethene

Concen: 0.818 ug/L

RT: 3.37 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU041295.D

Acq: 17 Nov 2020 23:02

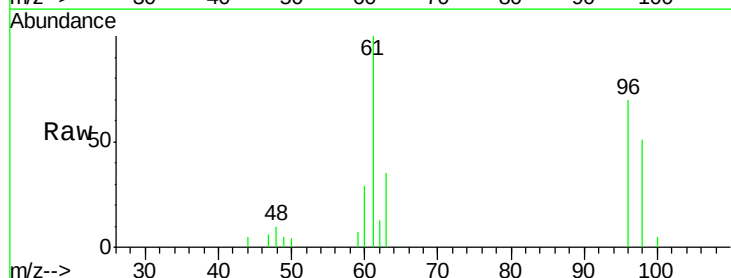
Tgt Ion: 96 Resp: 3342

Ion Ratio Lower Upper

96 100

61 143.9 110.9 205.9

98 72.7 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

3000

2000

1000

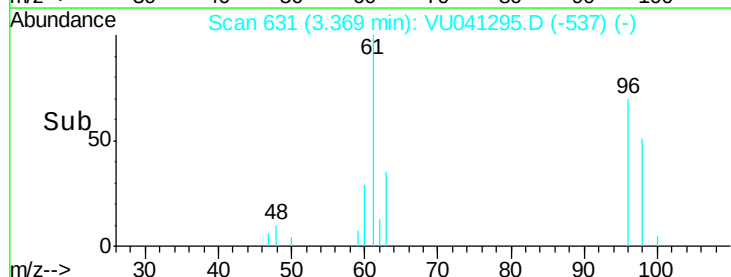
0

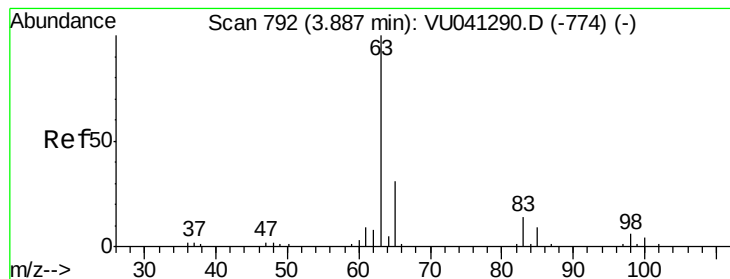
Time-->

3.30

3.35

3.40





#19

1,1-Dichloroethane

Concen: 0.614 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU041295.D

Acq: 17 Nov 2020 23:02

Instrument :

MSVOA_U

ClientSampleId :

GB117

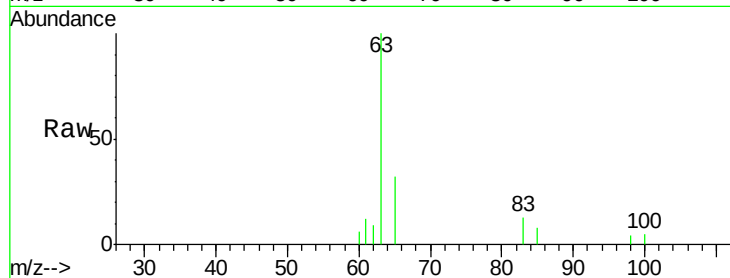
Tot Ion: 63 Resp: 5608

Ion Ratio Lower Upper

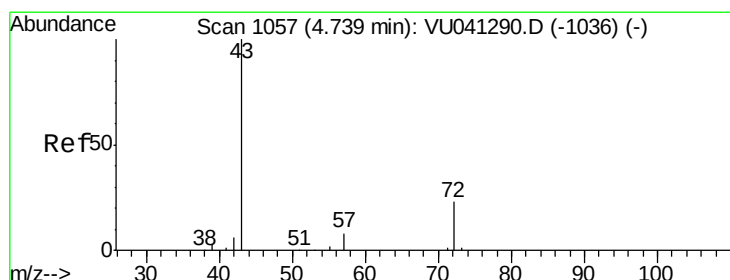
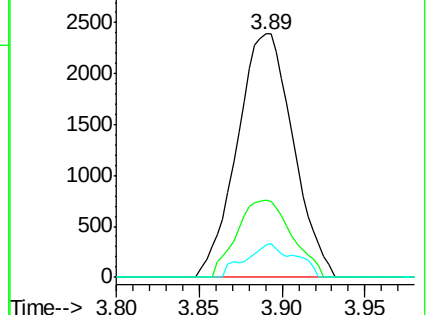
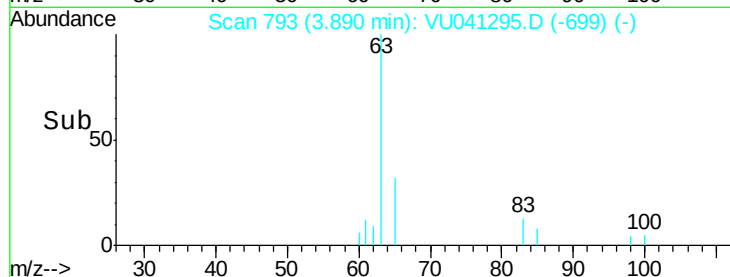
63 100

65 31.8 21.3 39.6

83 13.4 8.8 16.3



Abundance Ion 63.10 (62.80 to 63.80): VU041295.D (-699) (-)



#21

2-Butanone

Concen: 2.131 ug/L

RT: 4.74 min Scan# 1056

Delta R.T. -0.00 min

Lab File: VU041295.D

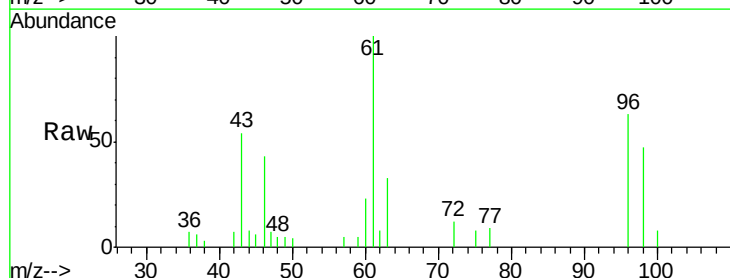
Acq: 17 Nov 2020 23:02

Tgt Ion: 43 Resp: 4198

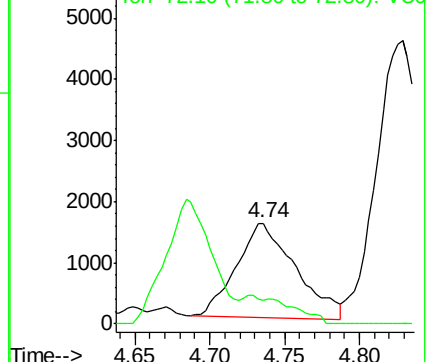
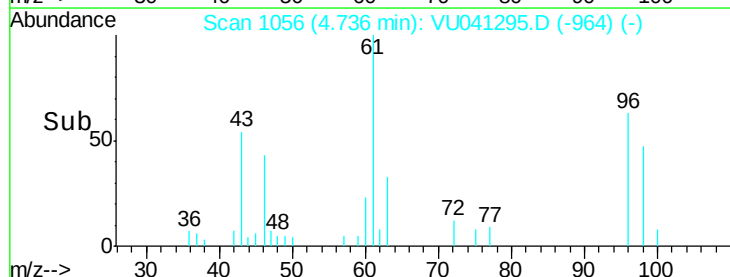
Ion Ratio Lower Upper

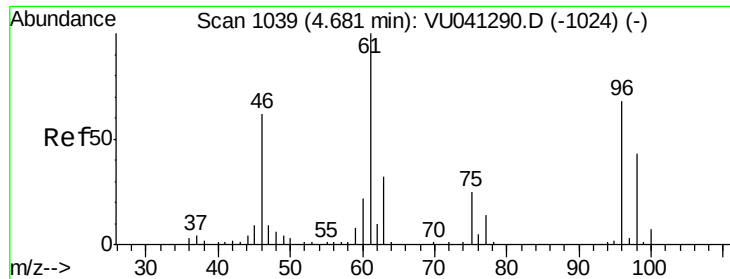
43 100

72 0.0 11.8 35.4#



Abundance Ion 43.05 (42.75 to 43.75): VU041295.D (-964) (-)

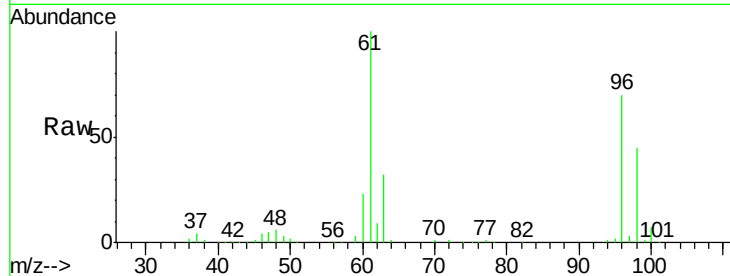




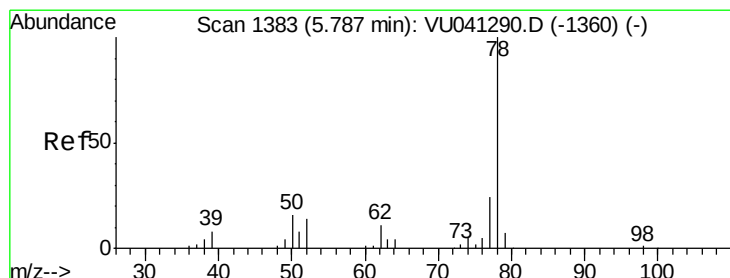
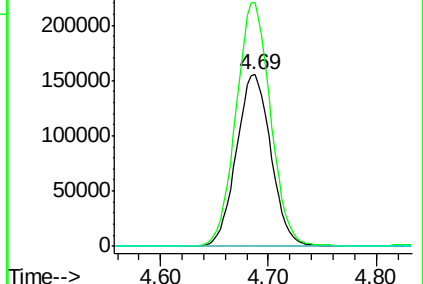
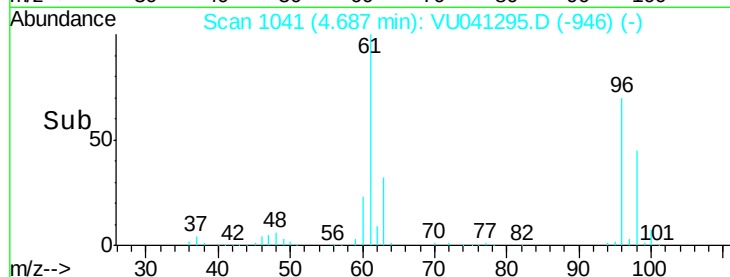
#22
 cis-1,2-Dichloroethene
 Concen: 74.846 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.01 min
 Lab File: VU041295.D
 Acq: 17 Nov 2020 23:02

Instrument :
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 ClientSampleId :
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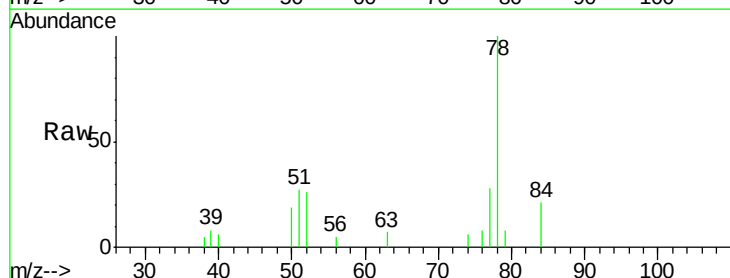
Tot Ion: 96 Resp: 345544
 Ion Ratio Lower Upper
 96 100
 61 141.9 97.2 180.4
 68 0.0 0.0 0.0



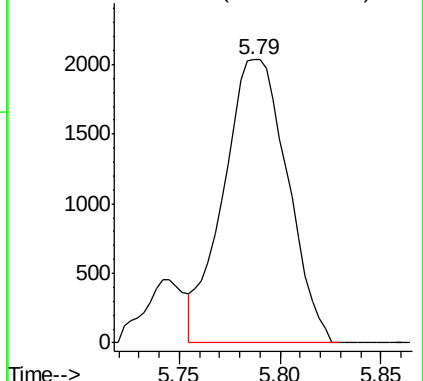
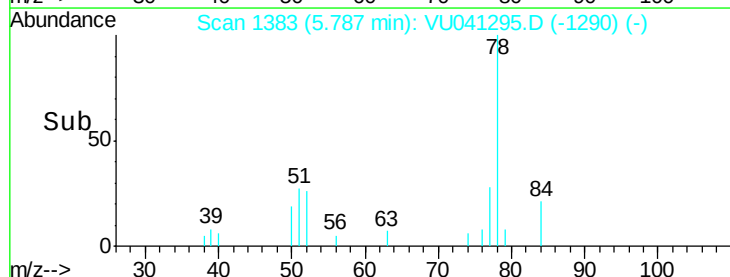
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

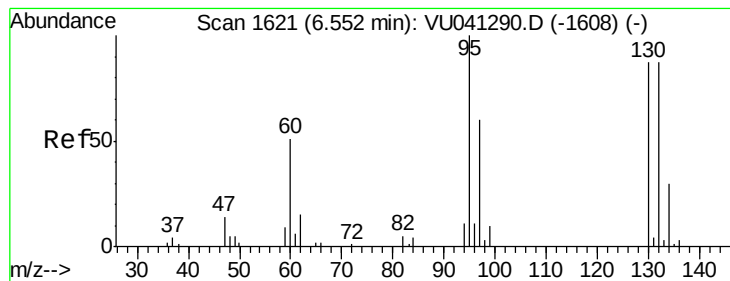


#33
 Benzene
 Concen: 0.258 ug/L
 RT: 5.79 min Scan# 1383
 Delta R.T. -0.00 min
 Lab File: VU041295.D
 Acq: 17 Nov 2020 23:02
 Tgt Ion: 78 Resp: 4514



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 20.292 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU041295.D

Acq: 17 Nov 2020 23:02

Instrument :

MSVOA_U

ClientSampleId :

GB117

Tot Ion: 95 Resp: 95877

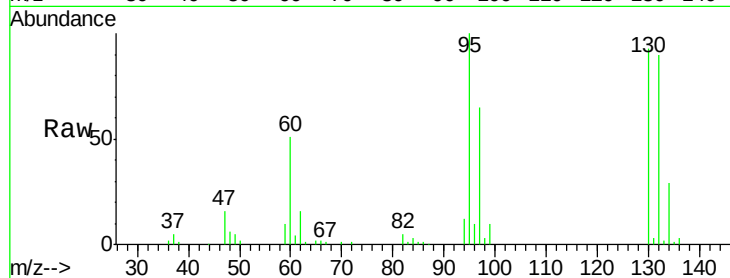
Ion Ratio Lower Upper

95 100

97 65.0 45.6 84.6

132 89.8 64.8 120.4

130 93.1 64.8 120.4

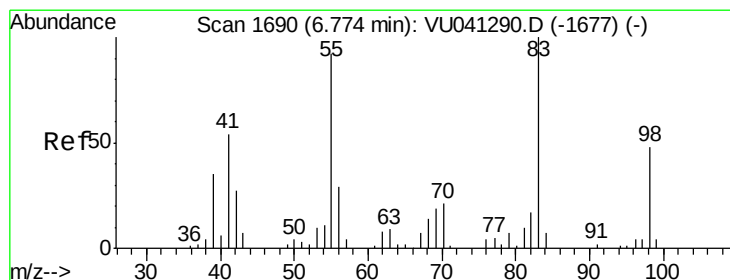
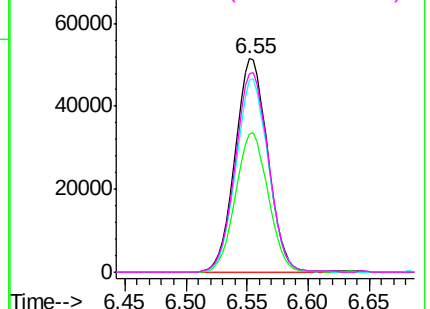
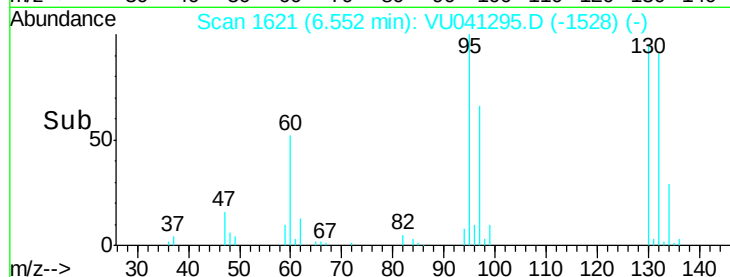


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#35

Methylcyclohexane

Concen: 0.126 ug/L

RT: 6.78 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VU041295.D

Acq: 17 Nov 2020 23:02

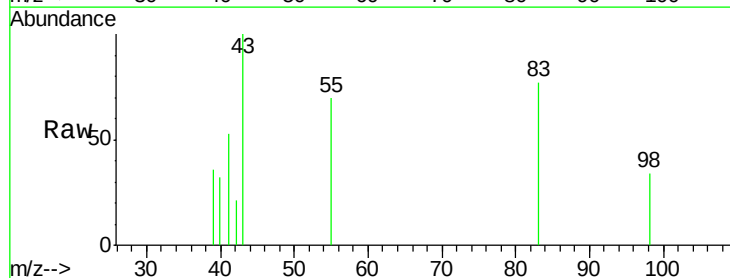
Tgt Ion: 83 Resp: 791

Ion Ratio Lower Upper

83 100

55 77.7 72.0 108.0

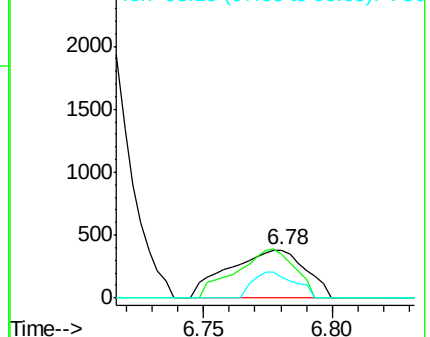
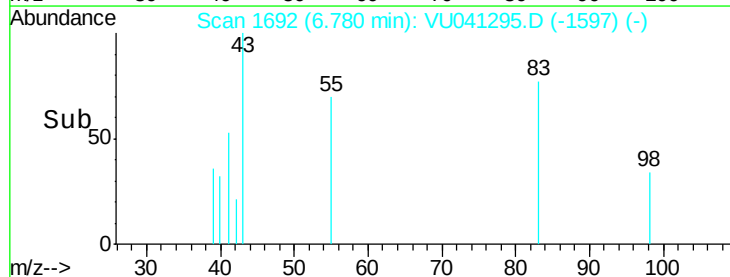
98 30.0 36.6 55.0#

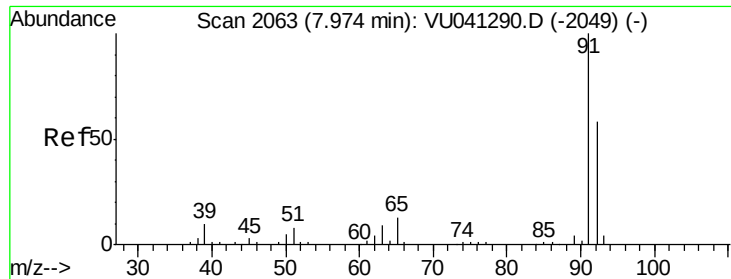


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#42

Toluene

Concen: 0.297 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041295.D

Acq: 17 Nov 2020 23:02

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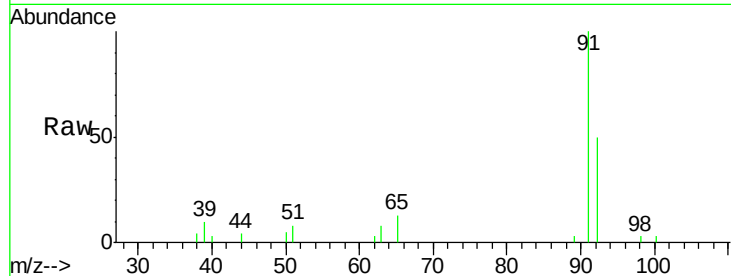
GB117

Tot Ion: 91 Resp: 5555

Ion Ratio Lower Upper

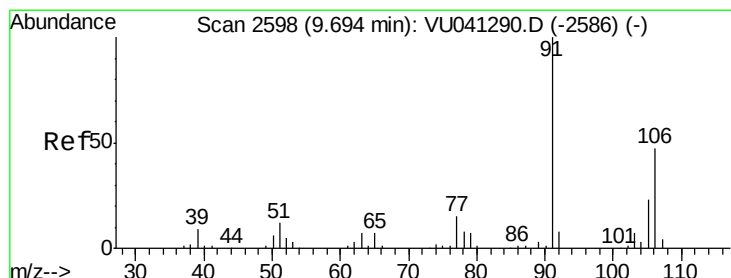
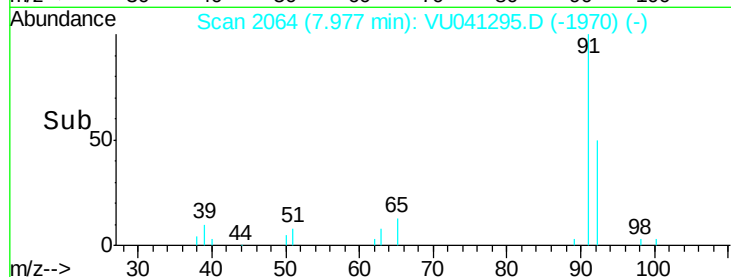
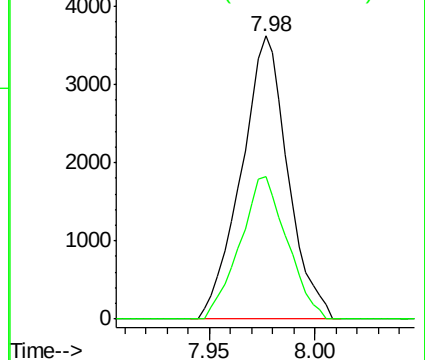
91 100

92 50.3 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU041295.D (-2505) (-)

Ion 92.15 (91.85 to 92.85): VU041295.D (-2505) (-)



#53

m,p-Xylene

Concen: 0.120 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041295.D

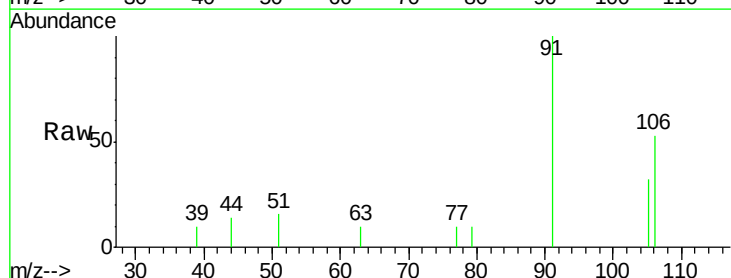
Acq: 17 Nov 2020 23:02

Tgt Ion: 106 Resp: 864

Ion Ratio Lower Upper

106 100

91 188.9 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): VU041295.D (-2505) (-)

Ion 91.15 (90.85 to 91.85): VU041295.D (-2505) (-)

