

Data File : VU041404.D
Acq On : 23 Nov 2020 21:50
Operator : SY/MD
Sample : L4849-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H4404

Quant Time: Nov 24 01:57:09 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112320WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 24 01:52:19 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.30	114	59390	5.00	ug/L	0.04
28) Chlorobenzene-d5	9.43	117	59508	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	25194	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	21822	5.23	ug/L	0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.60%
7) Chloroethane-d5	1.94	69	15728	5.37	ug/L	0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.40%
11) 1,1-Dichloroethene-d2	2.59	63	33913	4.14	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.80%
20) 2-Butanone-d5	4.76	46	61403	57.74	ug/L	0.12
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.48%
24) Chloroform-d	5.11	84	46444	5.46	ug/L	0.03
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.20%
26) 1,2-Dichloroethane-d4	5.76	65	29549	5.97	ug/L	0.04
Spiked Amount	5.000	Range	70 - 130	Recovery	=	119.40%
32) Benzene-d6	5.77	84	82456	5.67	ug/L	0.03
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.40%
36) 1,2-Dichloropropane-d6	6.74	67	27889	6.02	ug/L	0.03
Spiked Amount	5.000	Range	60 - 140	Recovery	=	120.40%
41) Toluene-d8	7.92	98	69740	5.08	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
43) trans-1,3-Dichloropropene-	8.20	79	11285	5.36	ug/L	0.02
Spiked Amount	5.000	Range	55 - 130	Recovery	=	107.20%
46) 2-Hexanone-d5	8.66	63	44008	63.95	ug/L	0.03
Spiked Amount	50.000	Range	45 - 130	Recovery	=	127.90%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	23267	6.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	123.40%#
64) 1,2-Dichlorobenzene-d4	12.19	152	26697	6.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	127.20%#

Target Compounds

					Qvalue
5) Vinyl chloride	1.62	62	188653	36.350	ug/L 98
8) Chloroethane	2.01	64	1072	0.364	ug/L # 48
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	297	0.072	ug/L # 21
12) 1,1-Dichloroethene	2.60	96	356	0.097	ug/L # 1
13) Acetone	2.62	43	674	0.938	ug/L 51
17) Methyl tert-butyl Ether	3.43	73	28890	3.172	ug/L 96
18) trans-1,2-Dichloroethene	3.38	96	4603	1.161	ug/L 92
19) 1,1-Dichloroethane	3.91	63	4951	0.628	ug/L 95
22) cis-1,2-Dichloroethene	4.70	96	53176	12.608	ug/L 98
27) 1,2-Dichloroethane	5.78	62	596	0.106	ug/L # 78
30) Cyclohexane	5.41	56	585	0.092	ug/L # 19
33) Benzene	5.77	78	683	0.043	ug/L 100
34) Trichloroethene	6.58	95	794	0.183	ug/L 90
35) Methylcyclohexane	6.74	83	6844	1.080	ug/L # 15
37) 1,2-Dichloropropane	6.74	63	3304	0.754	ug/L # 90
39) cis-1,3-Dichloropropene	7.59	75	839	0.139	ug/L # 52
42) Toluene	7.99	91	750	0.044	ug/L 88

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112320\
Quantitation Report (Not Reviewed)

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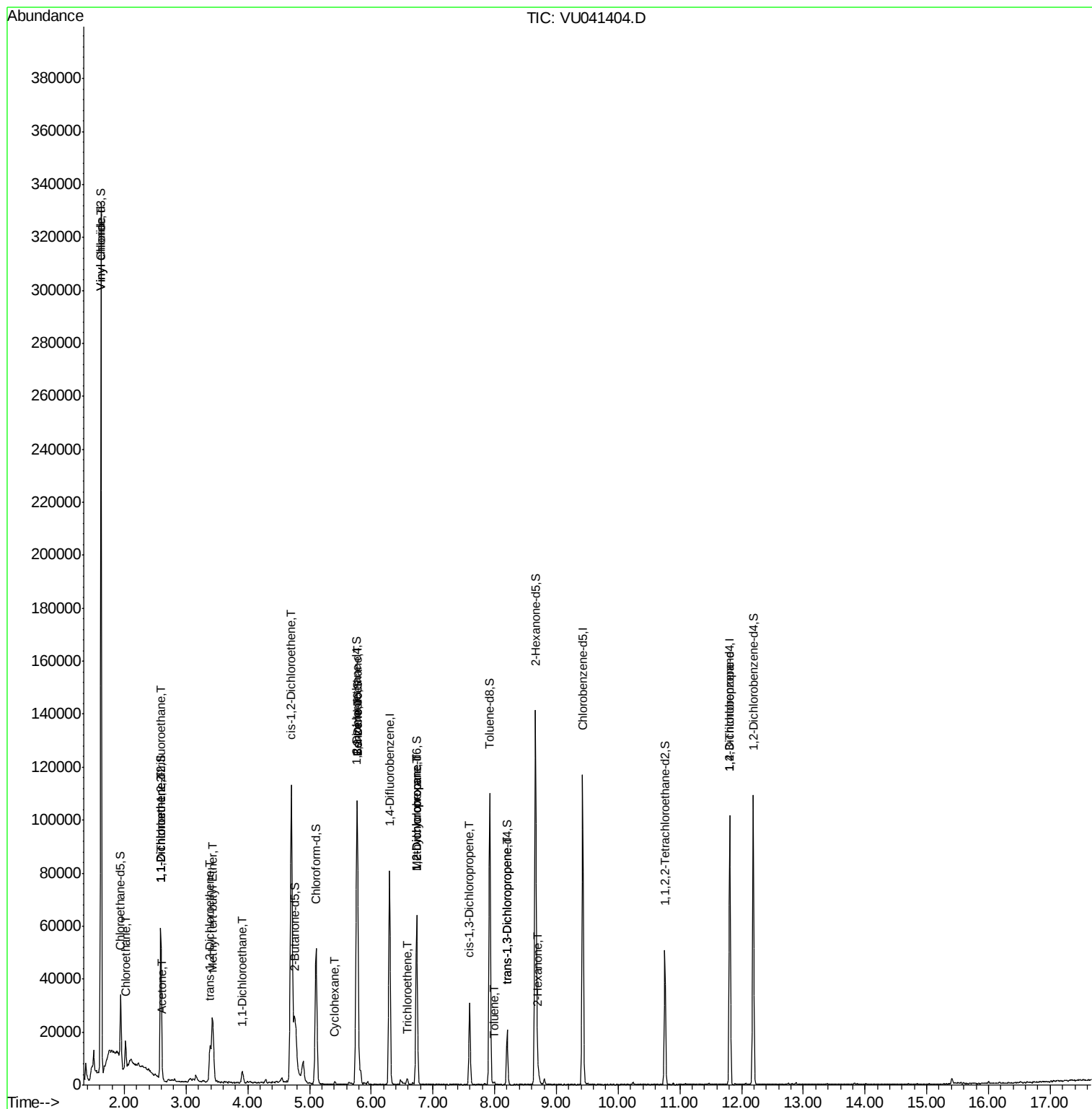
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	8.20	75	439	0.080	ug/L #	40
48) 2-Hexanone	8.70	43	1376	0.698	ug/L #	75
59) 1,2,3-Trichloropropane	11.81	75	3013	1.053	ug/L #	80

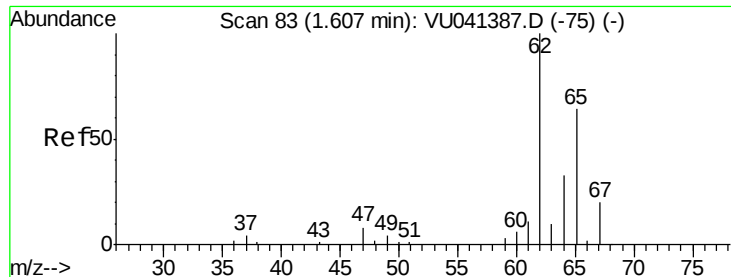
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 36.350 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.02 min

Lab File: VU041404.D

Acq: 23 Nov 2020 21:50

Instrument :

MSVOA_U

ClientSampleId :

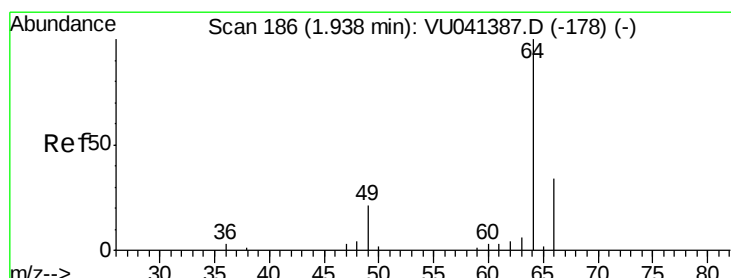
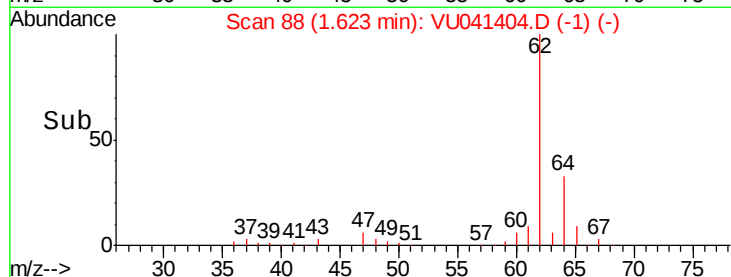
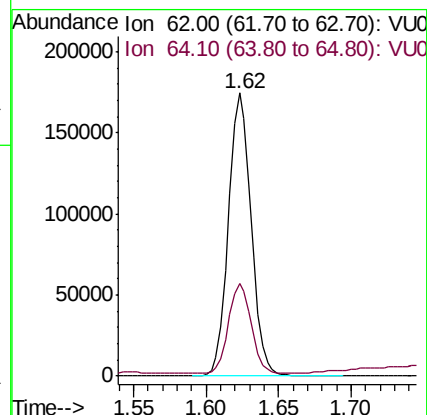
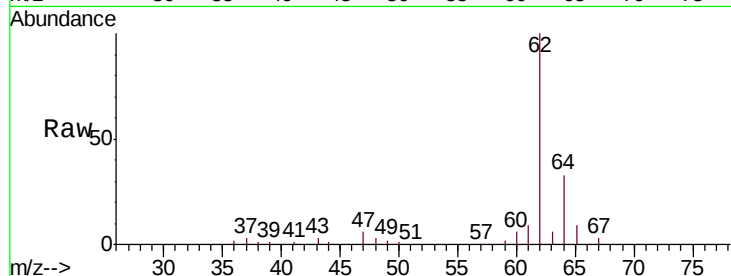
H4404

Tgt Ion: 62 Resp: 188653

Ion Ratio Lower Upper

62 100

64 32.6 23.8 44.2



#8

Chloroethane

Concen: 0.364 ug/L

RT: 2.01 min Scan# 209

Delta R.T. 0.07 min

Lab File: VU041404.D

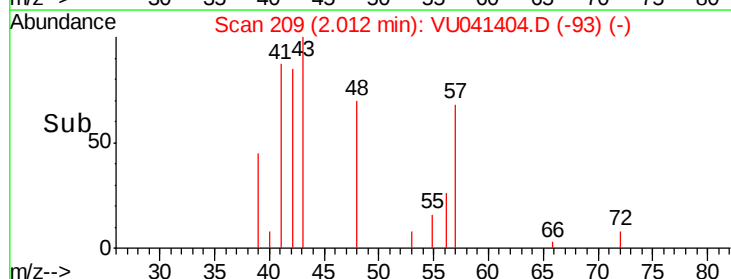
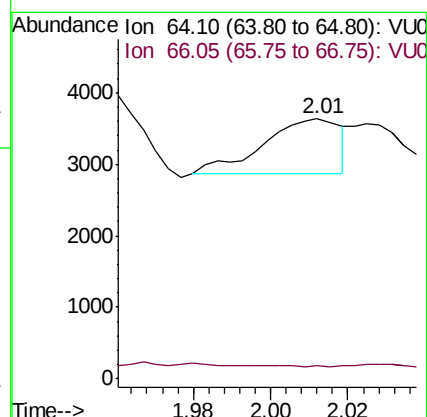
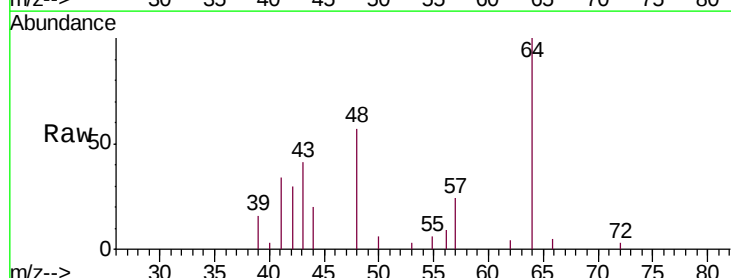
Acq: 23 Nov 2020 21:50

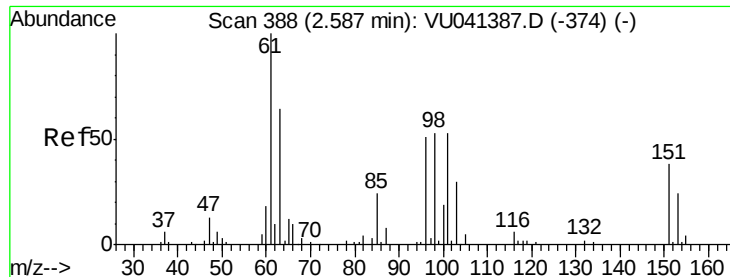
Tgt Ion: 64 Resp: 1072

Ion Ratio Lower Upper

64 100

66 5.0 24.6 45.8#





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.072 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.01 min

Lab File: VU041404.D

Acq: 23 Nov 2020 21:50

Instrument :

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ClientSampleId :

H4404

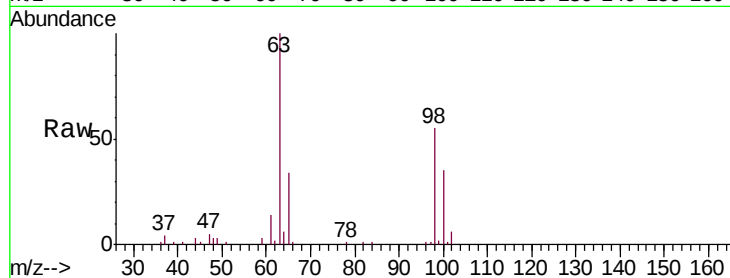
Tgt Ion: 101 Resp: 297

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

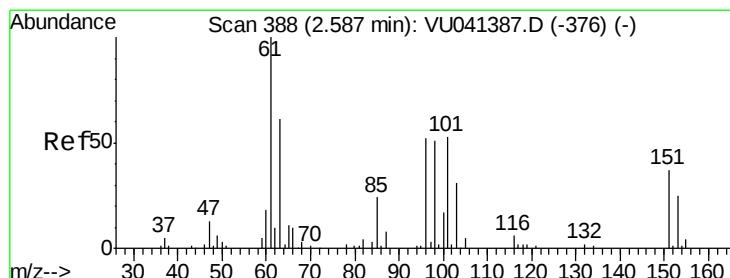
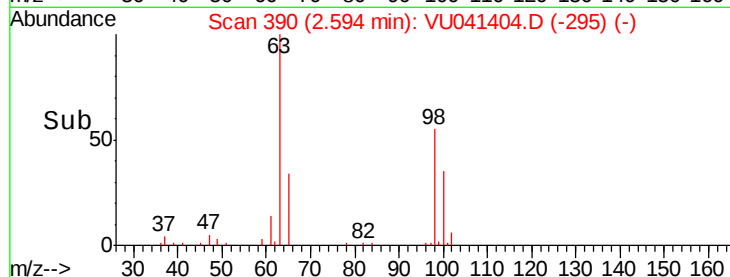
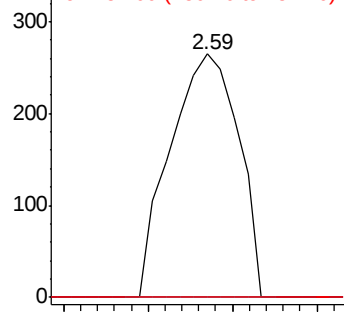
151 0.0 56.2 84.2#



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



#12

1,1-Dichloroethene

Concen: 0.097 ug/L

RT: 2.60 min Scan# 391

Delta R.T. 0.01 min

Lab File: VU041404.D

Acq: 23 Nov 2020 21:50

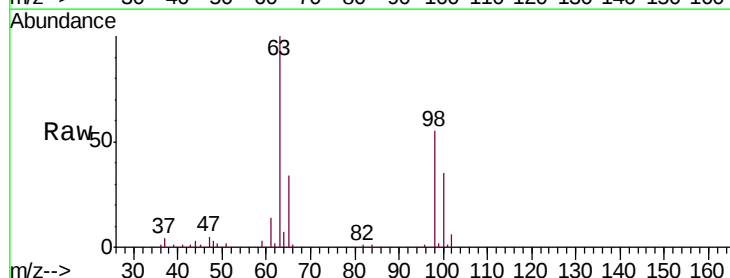
Tgt Ion: 96 Resp: 356

Ion Ratio Lower Upper

96 100

61 969.7 129.8 241.2#

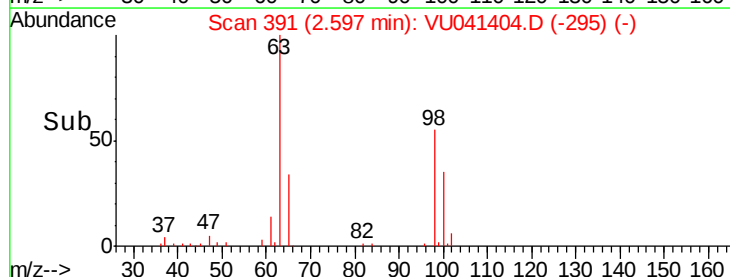
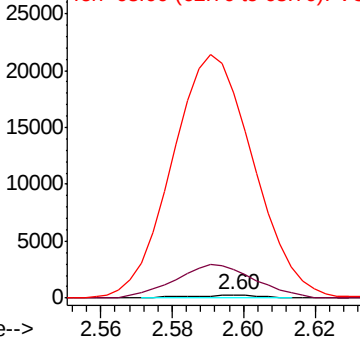
63 6908.8 79.2 147.0#

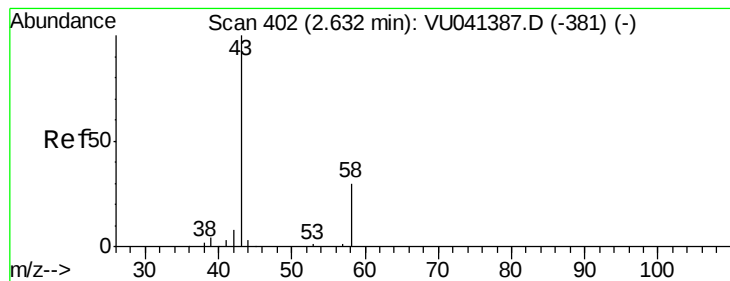


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.938 ug/L

RT: 2.62 min Scan# 399

Delta R.T. -0.01 min

Lab File: VU041404.D

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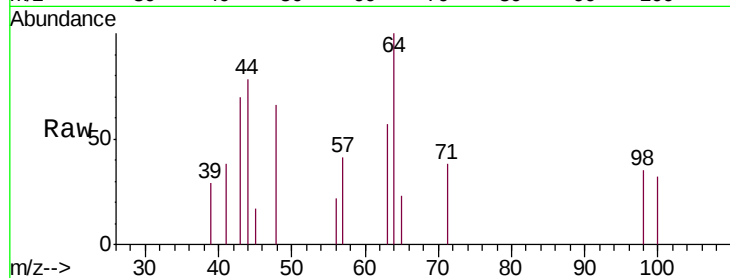
H4404

Tgt Ion: 43 Resp: 674

Ion Ratio Lower Upper

43 100

58 2.8 0.0 57.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.62

400

300

200

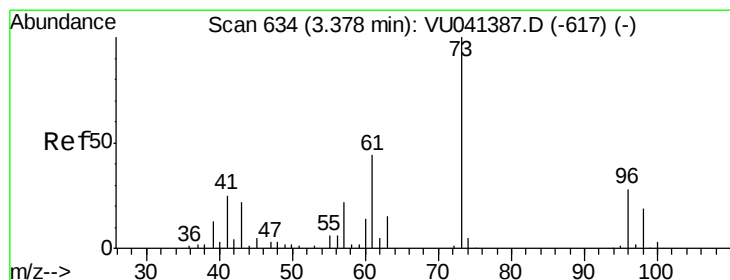
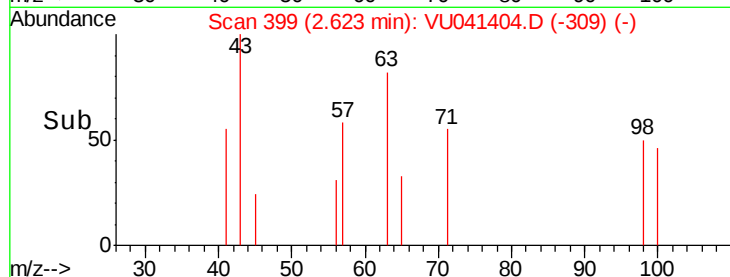
100

0

2.60

2.65

Time-->



#17

Methyl tert-butyl Ether

Concen: 3.172 ug/L

RT: 3.43 min Scan# 649

Delta R.T. 0.05 min

Lab File: VU041404.D

Acq: 23 Nov 2020 21:50

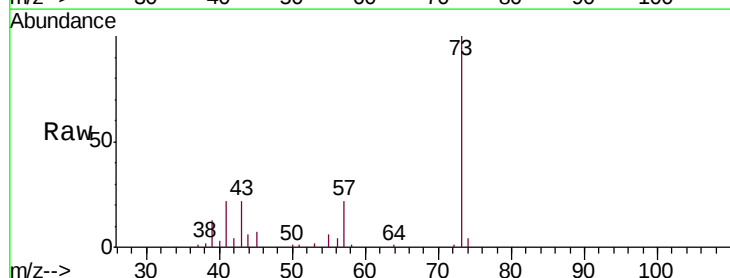
Tgt Ion: 73 Resp: 28890

Ion Ratio Lower Upper

73 100

43 26.5 18.3 27.5

57 22.8 17.7 26.5



Abundance Ion 73.10 (72.80 to 73.80): VU0

Ion 43.05 (42.75 to 43.75): VU0

Ion 57.10 (56.80 to 57.80): VU0

15000

10000

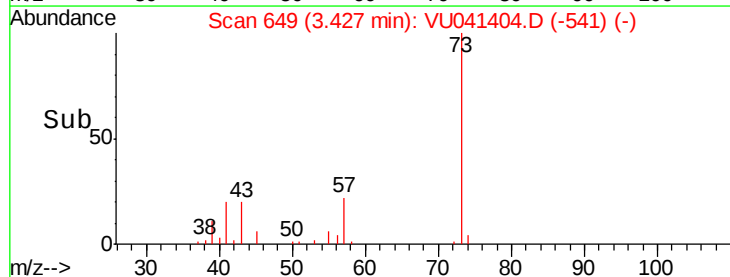
5000

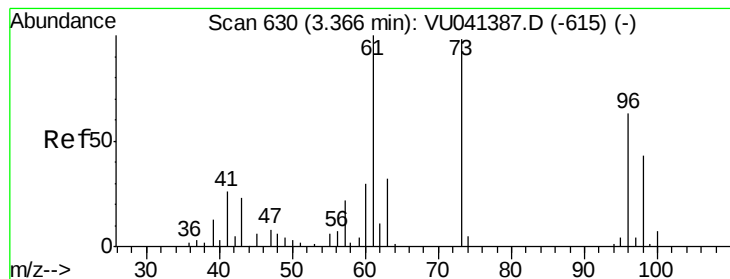
0

3.40

3.50

Time-->





#18

trans-1,2-Dichloroethene

Concen: 1.161 ug/L

RT: 3.38 min Scan# 636

Delta R.T. 0.02 min

Lab File: VU041404.D

Acq: 23 Nov 2020 21:50

Instrument :

MSVOA_U

ClientSampleId :

H4404

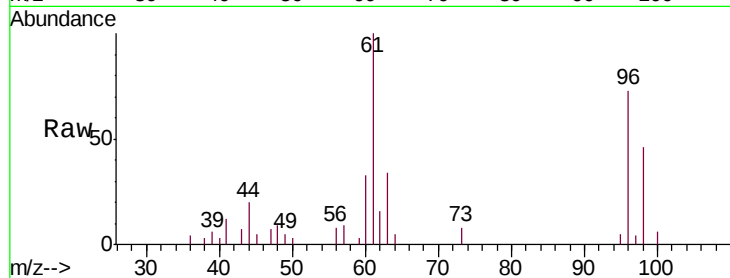
Tgt Ion: 96 Resp: 4603

Ion Ratio Lower Upper

96 100

61 136.4 103.7 192.5

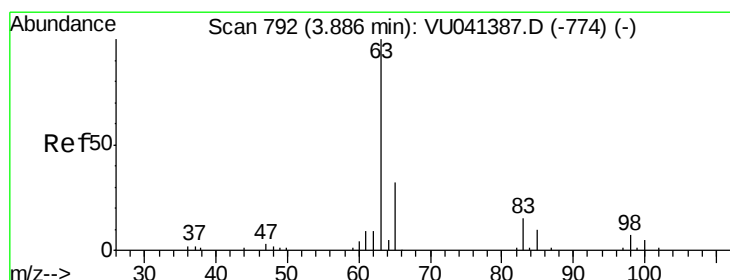
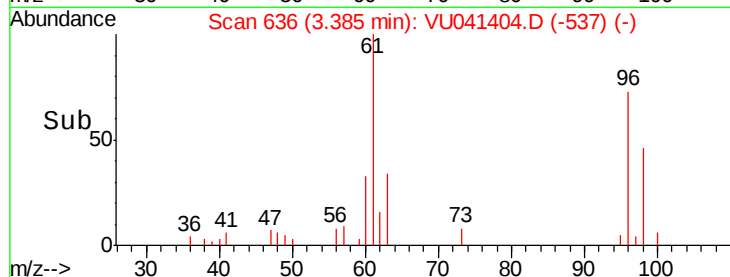
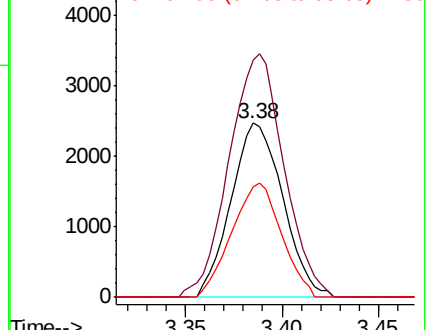
98 63.3 47.5 88.3



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: 0.628 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.03 min

Lab File: VU041404.D

Acq: 23 Nov 2020 21:50

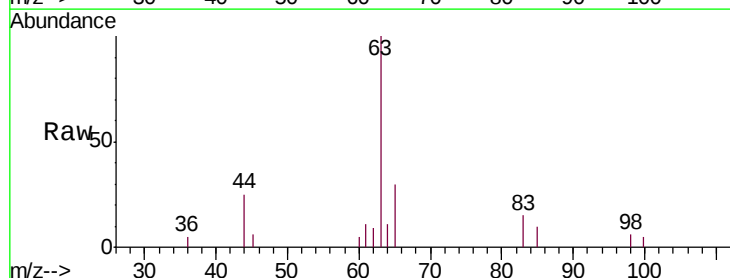
Tgt Ion: 63 Resp: 4951

Ion Ratio Lower Upper

63 100

65 29.9 23.0 42.8

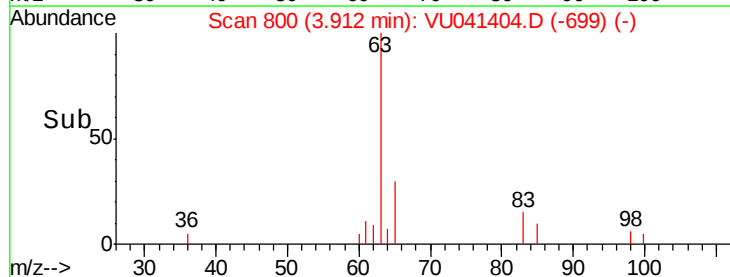
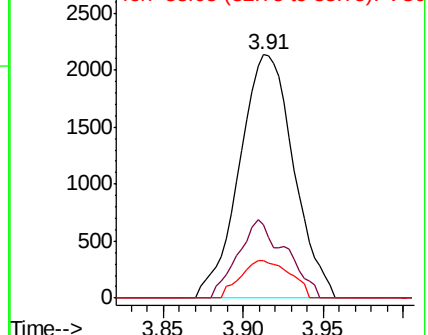
83 15.4 9.4 17.4

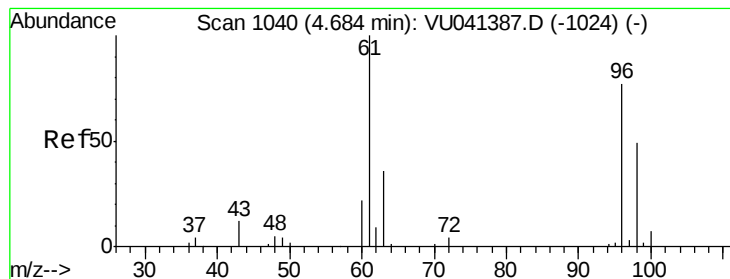


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0





#22

cis-1,2-Dichloroethene

Concen: 12.608 ug/L

RT: 4.70 min Scan# 1046

Delta R.T. 0.02 min

Lab File: VU041404.D

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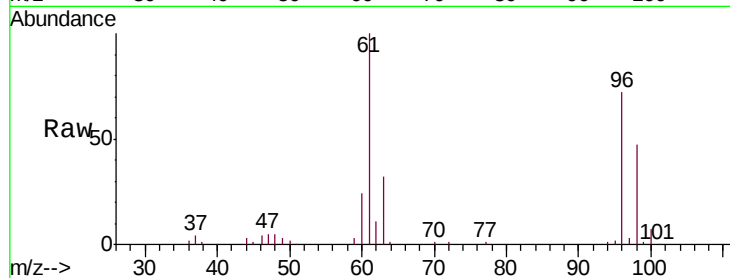
Tgt Ion: 96 Resp: 53176

Ion Ratio Lower Upper

96 100

61 138.3 95.3 176.9

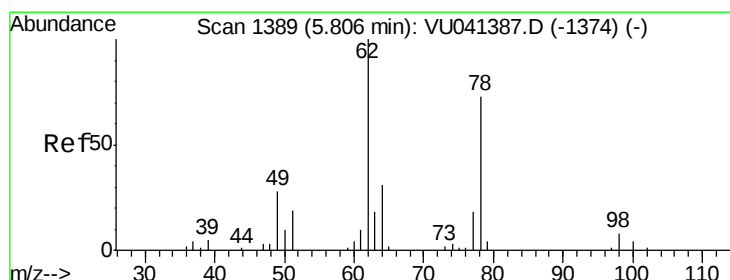
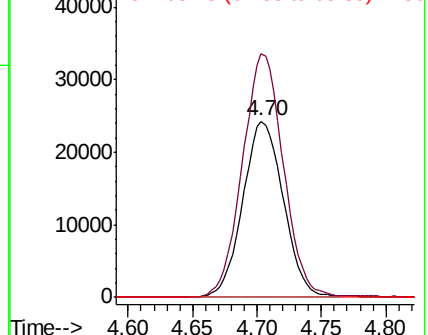
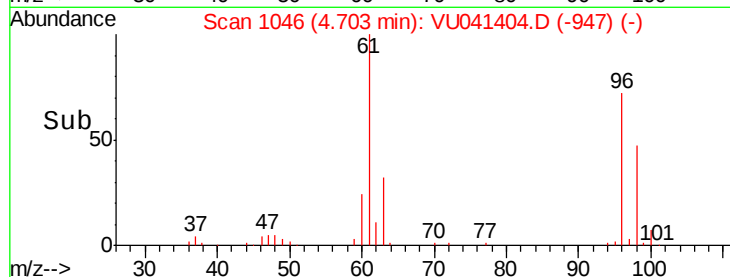
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041404.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU041404.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU041404.D (-947) (-)



#27

1,2-Dichloroethane

Concen: 0.106 ug/L

RT: 5.78 min Scan# 1380

Delta R.T. -0.03 min

Lab File: VU041404.D

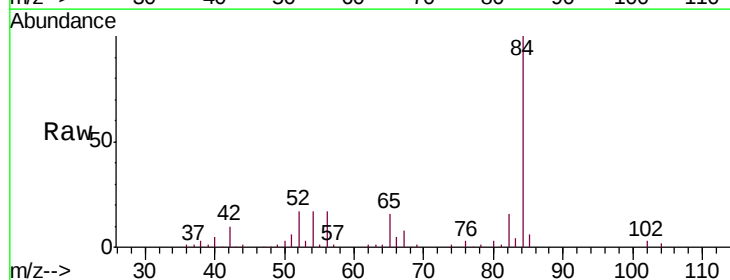
Acq: 23 Nov 2020 21:50

Tgt Ion: 62 Resp: 596

Ion Ratio Lower Upper

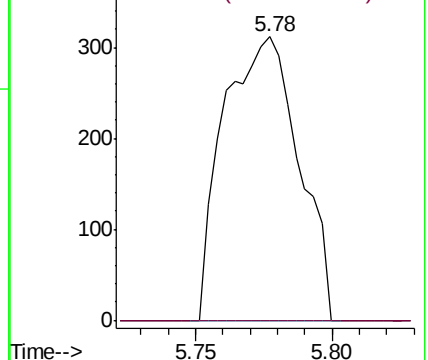
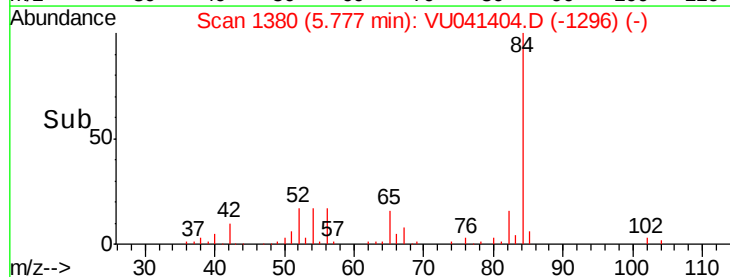
62 100

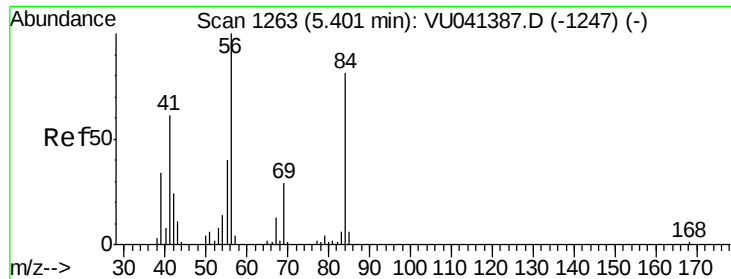
98 0.0 6.0 9.0#



Abundance Ion 62.00 (61.70 to 62.70): VU041404.D (-1296) (-)

Ion 98.05 (97.75 to 98.75): VU041404.D (-1296) (-)

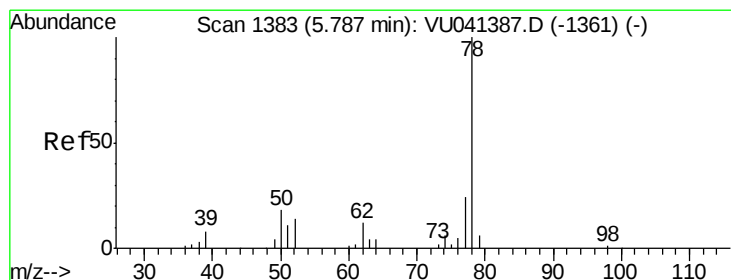
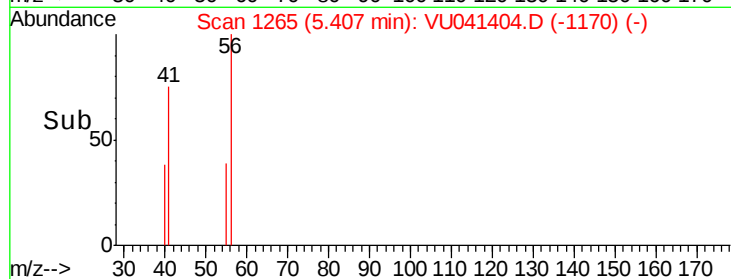
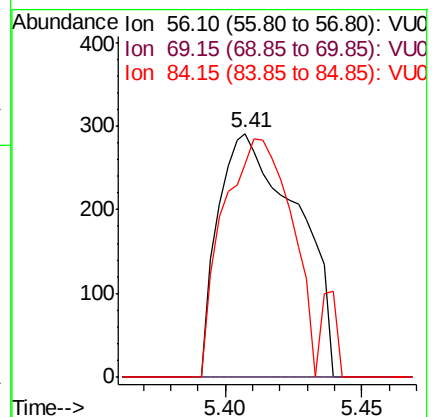
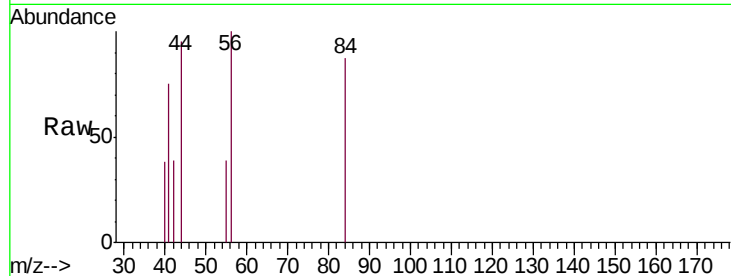




#30
Cyclohexane
Concen: 0.092 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VU041404.D
Acq: 23 Nov 2020 21:50

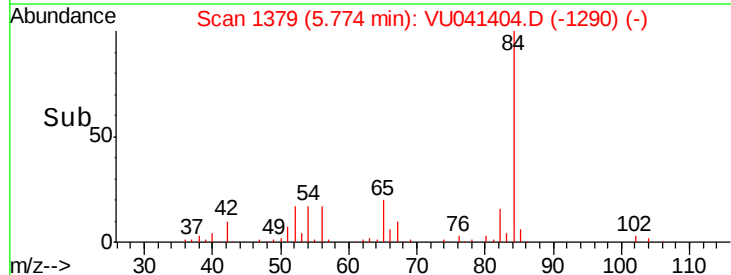
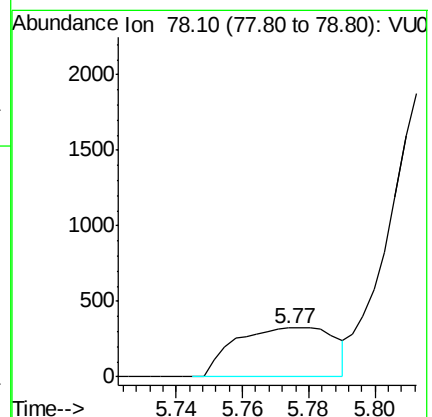
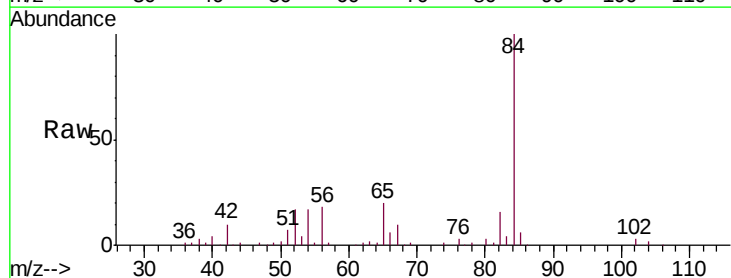
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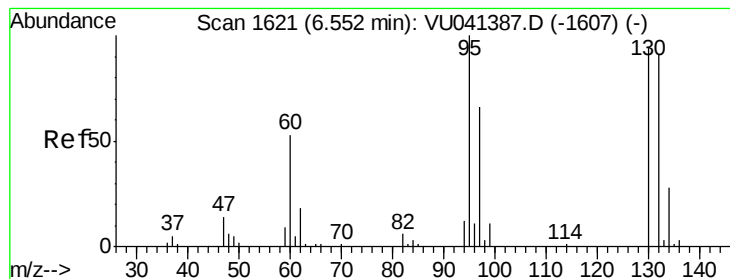
Tgt Ion: 56 Resp: 585
Ion Ratio Lower Upper
56 100
69 0.0 23.8 35.6#
84 0.0 64.6 97.0#



#33
Benzene
Concen: 0.043 ug/L
RT: 5.77 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VU041404.D
Acq: 23 Nov 2020 21:50

Tgt Ion: 78 Resp: 683





#34

Trichloroethene

Concen: 0.183 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.03 min

Lab File: VU041404.D

Acq: 23 Nov 2020 21:50

Instrument :

MSVOA_U

ClientSampleId :

H4404

Tgt Ion: 95 Resp: 794

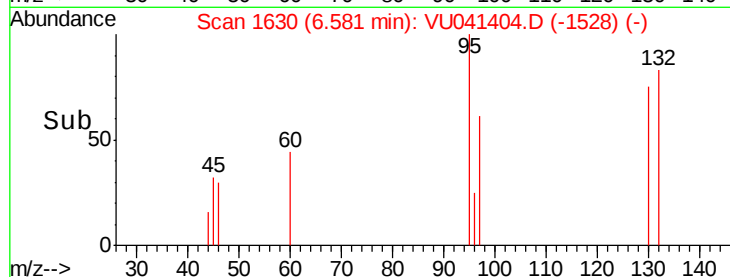
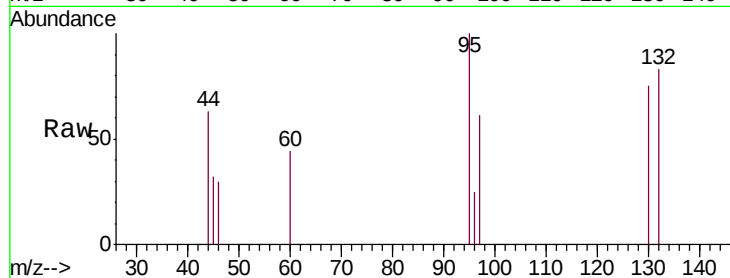
Ion Ratio Lower Upper

95 100

97 60.7 46.5 86.5

132 82.9 60.8 113.0

130 74.8 63.3 117.7

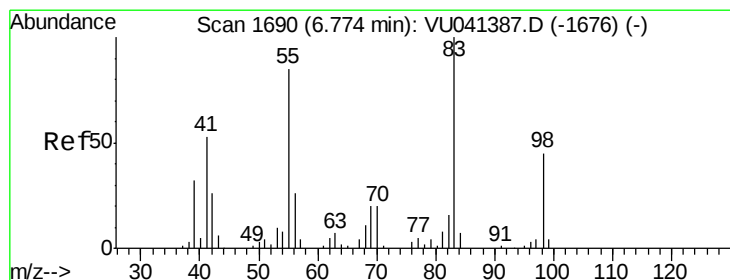
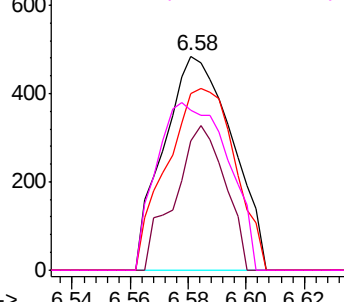


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 1.080 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.04 min

Lab File: VU041404.D

Acq: 23 Nov 2020 21:50

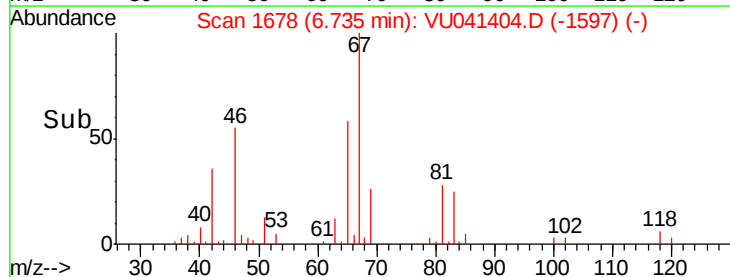
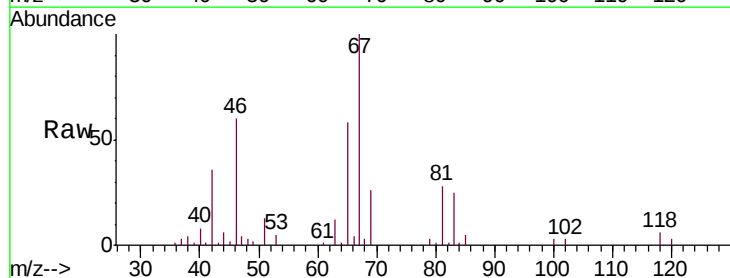
Tgt Ion: 83 Resp: 6844

Ion Ratio Lower Upper

83 100

55 0.0 68.4 102.6#

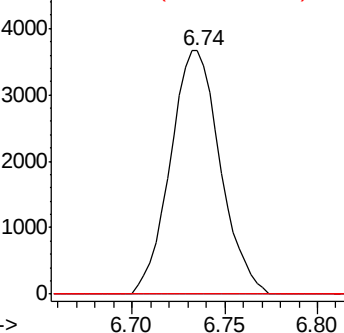
98 0.0 36.5 54.7#

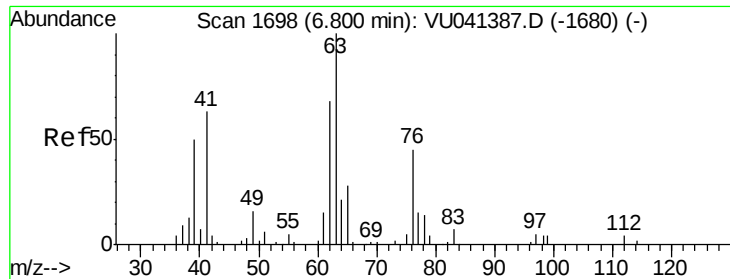


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

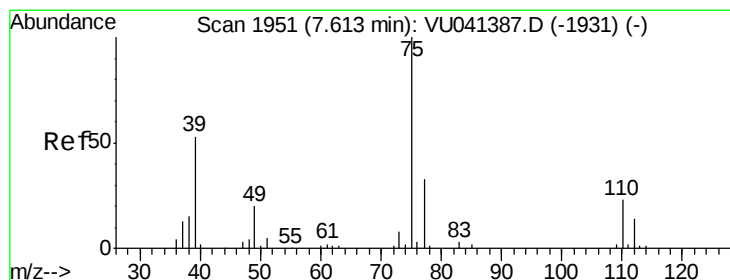
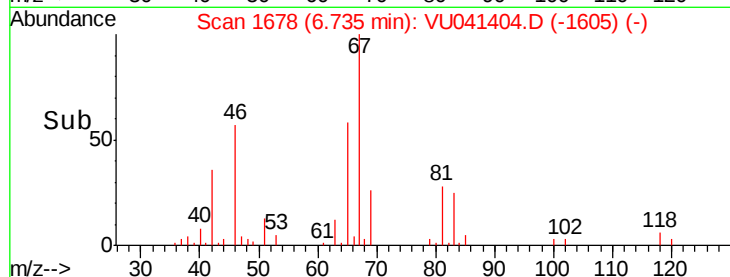
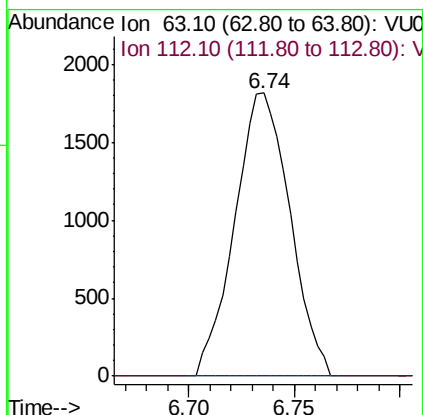
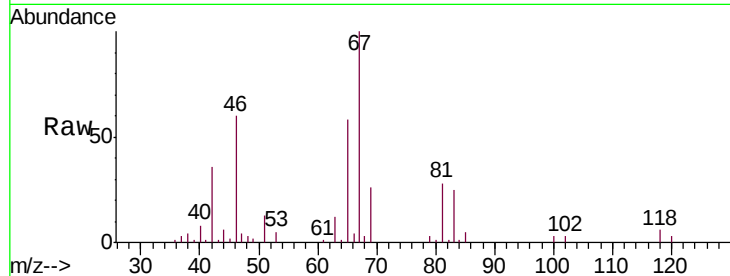




#37
 1,2-Dichloropropane
 Concen: 0.754 ug/L
 RT: 6.74 min Scan# 1678
 Delta R.T. -0.06 min
 Lab File: VU041404.D
 Acq: 23 Nov 2020 21:50

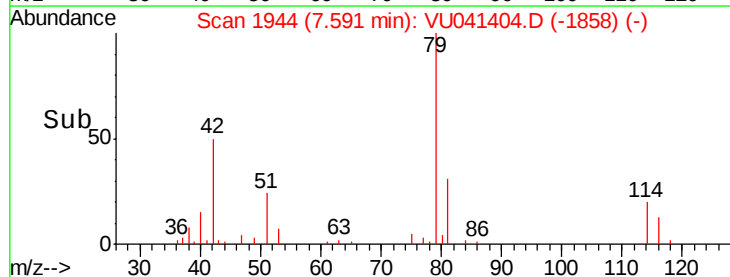
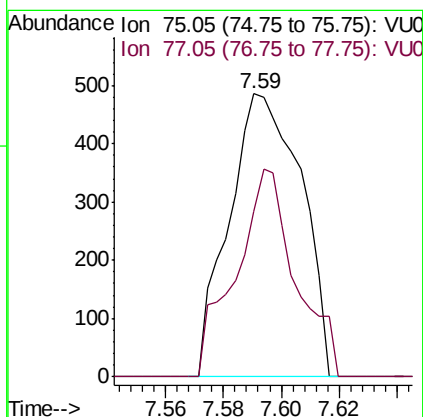
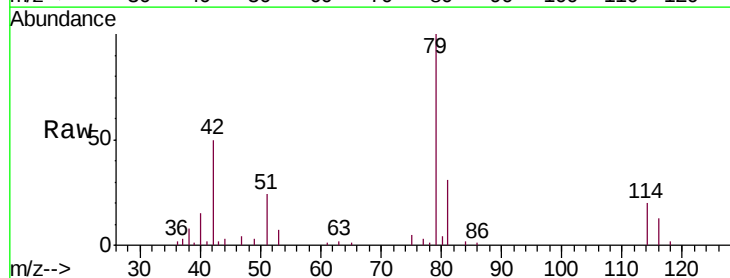
Instrument :
 MSVOA_U
 ClientSampleId :
 H4404

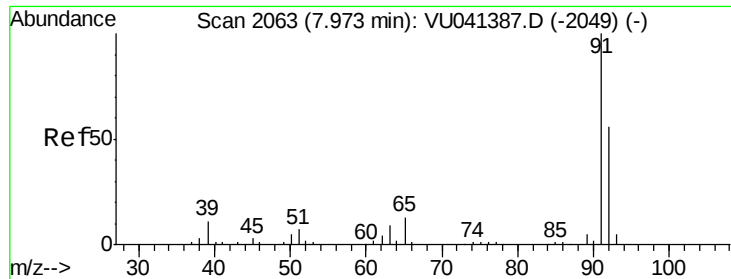
Tgt Ion: 63 Resp: 3304
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.6 4.0#



#39
 cis-1,3-Dichloropropene
 Concen: 0.139 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.02 min
 Lab File: VU041404.D
 Acq: 23 Nov 2020 21:50

Tgt Ion: 75 Resp: 839
 Ion Ratio Lower Upper
 75 100
 77 58.4 22.1 41.1#





#42

Toluene

Concen: 0.044 ug/L

RT: 7.99 min Scan# 2067

Delta R.T. 0.01 min

Lab File: VU041404.D

Acq: 23 Nov 2020 21:50

Instrument :

MSVOA_U

ClientSampleId :

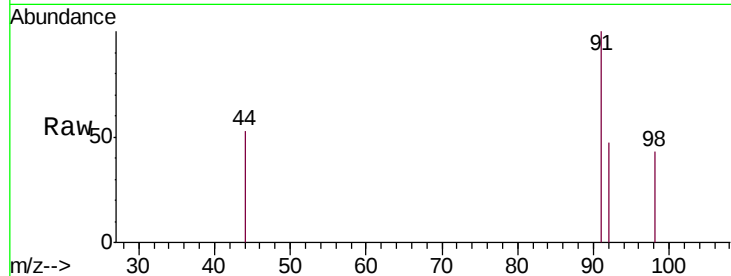
H4404

Tgt Ion: 91 Resp: 750

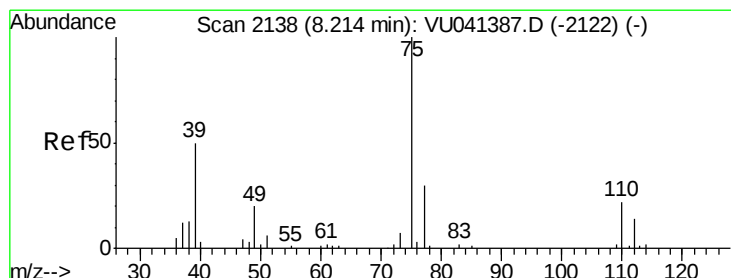
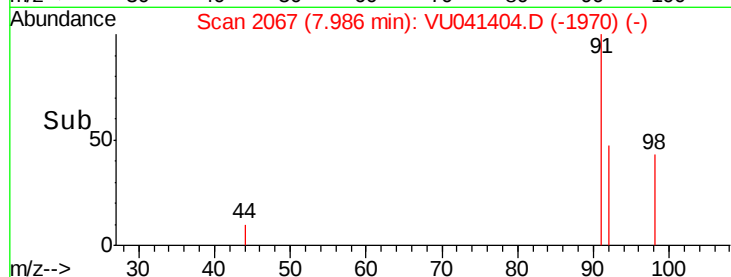
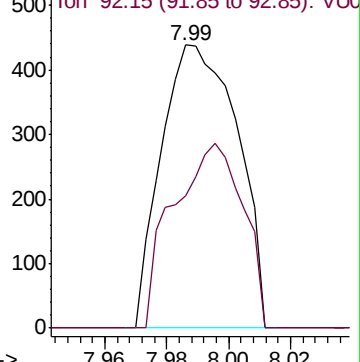
Ion Ratio Lower Upper

91 100

92 47.0 39.3 72.9



Abundance Ion 91.15 (90.85 to 91.85): VU041387.D (-2049) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.080 ug/L

RT: 8.20 min Scan# 2133

Delta R.T. -0.02 min

Lab File: VU041404.D

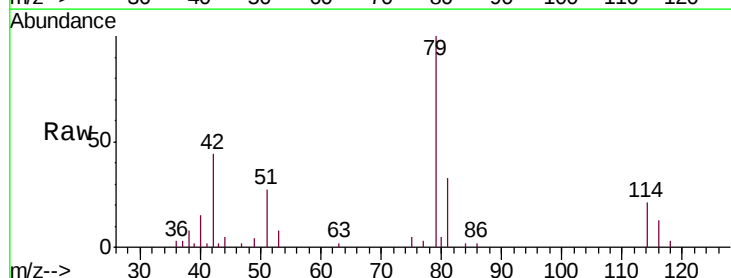
Acq: 23 Nov 2020 21:50

Tgt Ion: 75 Resp: 439

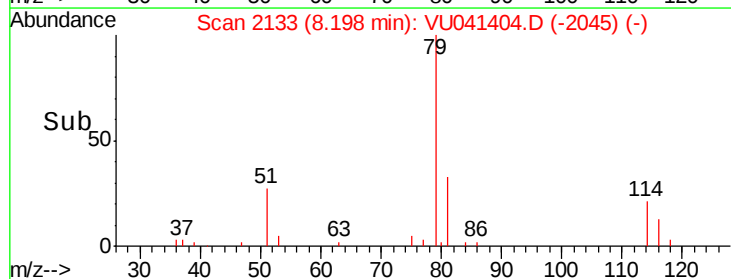
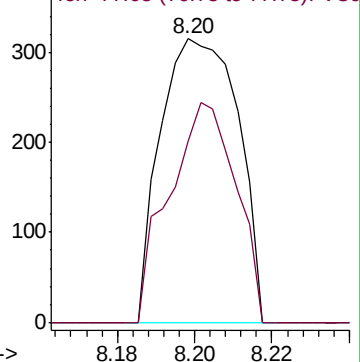
Ion Ratio Lower Upper

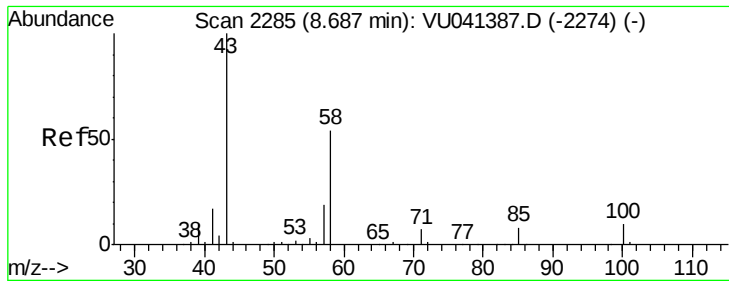
75 100

77 63.8 21.7 40.3#



Abundance Ion 75.05 (74.75 to 75.75): VU041387.D (-2122) (-)

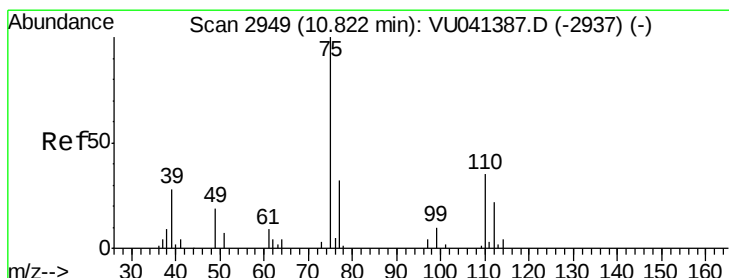
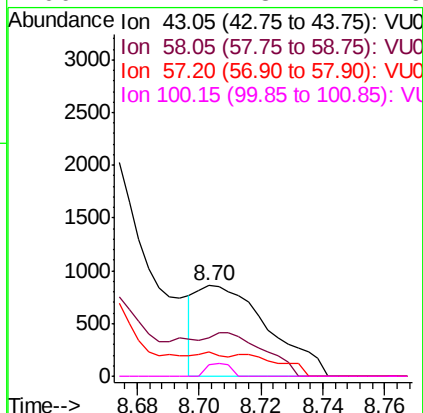
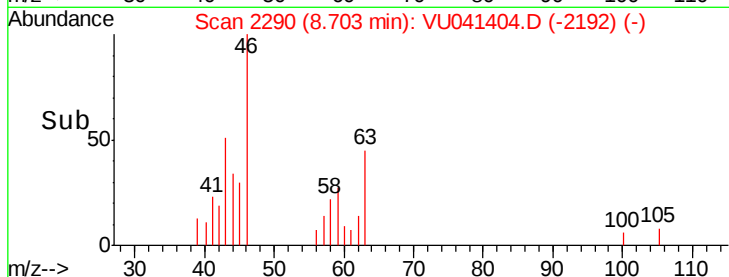
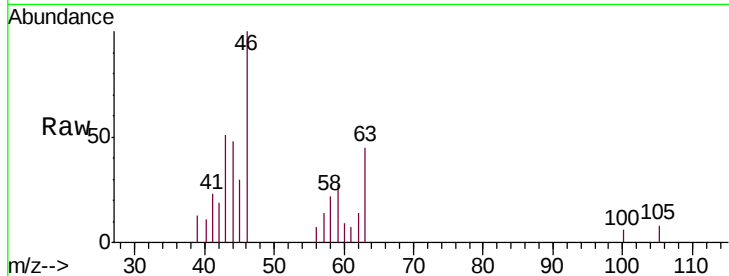




#48
2-Hexanone
Concen: 0.698 ug/L
RT: 8.70 min Scan# 2290
Delta R.T. 0.02 min
Lab File: VU041404.D
Acq: 23 Nov 2020 21:50

Instrument :
MSVOA_U
ClientSampleId :
H4404

Tgt Ion: 43 Resp: 1376
Ion Ratio Lower Upper
43 100
58 37.9 42.0 63.0#
57 0.0 15.0 22.4#
100 4.7 8.4 12.6#



#59
1,2,3-Trichloropropane
Concen: 1.053 ug/L
RT: 11.81 min Scan# 3256
Delta R.T. 0.99 min
Lab File: VU041404.D
Acq: 23 Nov 2020 21:50

Tgt Ion: 75 Resp: 3013
Ion Ratio Lower Upper
75 100
77 42.2 25.1 37.7#

