

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110920\
 Data File : VU041164.D
 Acq On : 10 Nov 2020 01:02
 Operator : SY/MD
 Sample : L4673-16
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB0T4

Quant Time: Nov 10 04:27:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 10 04:18:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	56999	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	58068	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	25903	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	15334	3.20	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.00%
7) Chloroethane-d5	1.92	69	14879	4.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.80%
11) 1,1-Dichloroethene-d2	2.58	63	26426	2.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.20%#
20) 2-Butanone-d5	4.67	46	88175	55.92	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.84%
24) Chloroform-d	5.08	84	41584	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
26) 1,2-Dichloroethane-d4	5.72	65	26929	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.60%
32) Benzene-d6	5.74	84	72560	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.70	67	24992	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	7.91	98	58585	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.20%
43) trans-1,3-Dichloropropene-	8.19	79	9463	4.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.40%
46) 2-Hexanone-d5	8.64	63	69841	59.18	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.36%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	24582	5.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	26713	5.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	117.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	7931	1.482	ug/L	96
8) Chloroethane	1.94	64	1261	0.372	ug/L #	57
12) 1,1-Dichloroethene	2.59	96	479	0.119	ug/L #	1
18) trans-1,2-Dichloroethene	3.37	96	11937	2.917	ug/L	99
19) 1,1-Dichloroethane	3.89	63	485	0.059	ug/L #	51
22) cis-1,2-Dichloroethene	4.69	96	130325	30.879	ug/L	100
27) 1,2-Dichloroethane	5.75	62	241	0.039	ug/L #	74
33) Benzene	5.80	78	1046	0.060	ug/L	100
34) Trichloroethene	6.56	95	1995	0.452	ug/L	84
35) Methylcyclohexane	6.70	83	6225	0.945	ug/L #	13
37) 1,2-Dichloropropane	6.70	63	2836	0.604	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	761	0.118	ug/L #	81
44) trans-1,3-Dichloropropene	8.18	75	371	0.061	ug/L	94
45) 1,1,2-Trichloroethane	8.49	97	816	0.233	ug/L #	1
48) 2-Hexanone	8.64	43	9511	3.374	ug/L #	70
59) 1,2,3-Trichloropropane	11.81	75	3435	0.982	ug/L #	88

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QLast Update : Tue Nov 10 04:18:40 2020
Response via : Initial Calibration

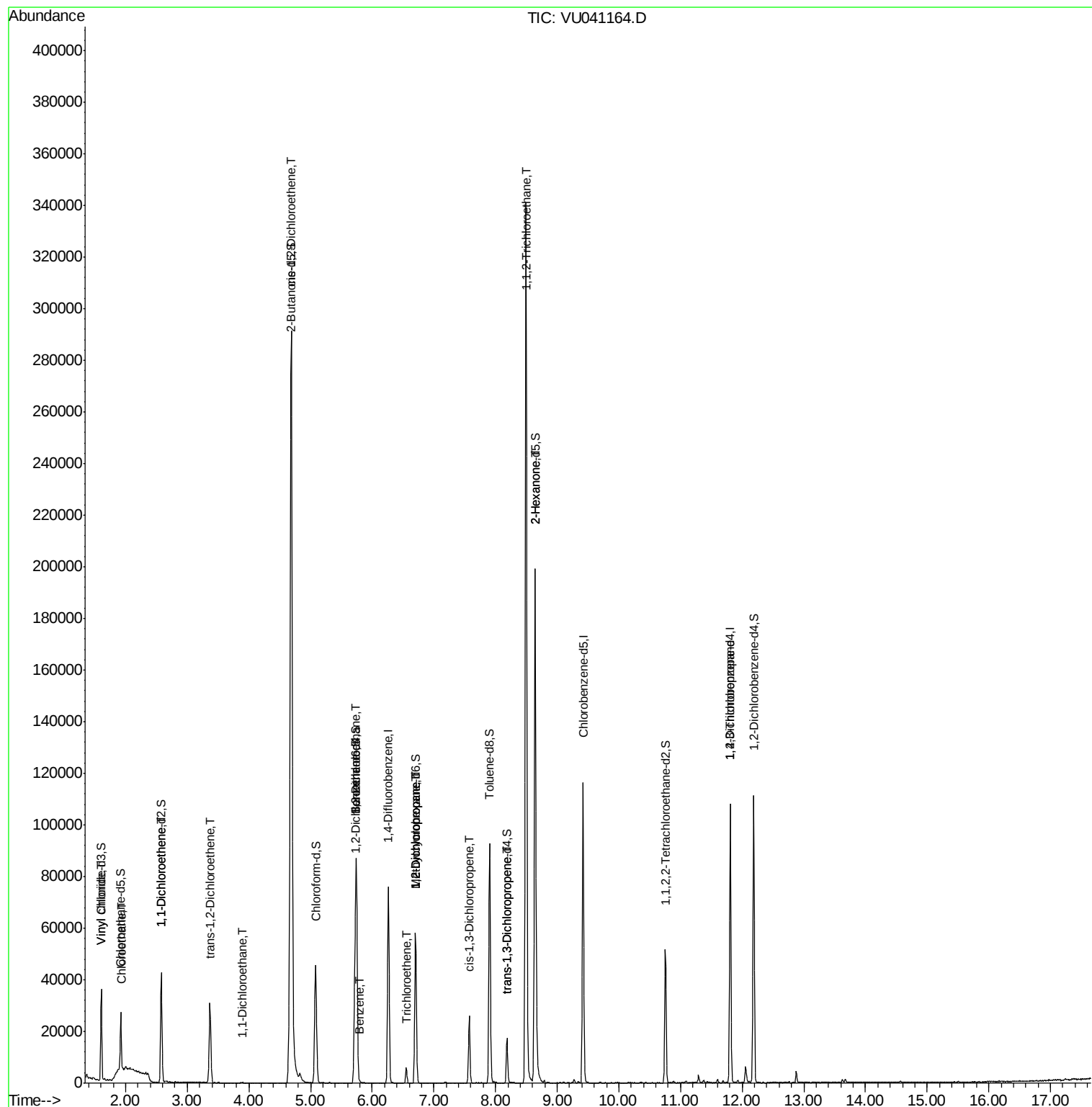
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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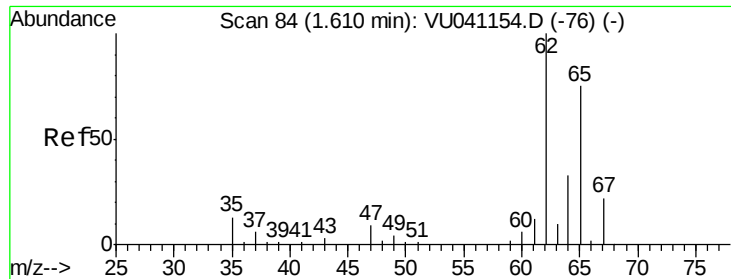
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.482 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041164.D

Acq: 10 Nov 2020 01:02

Instrument :

MSVOA_U

ClientSampleId :

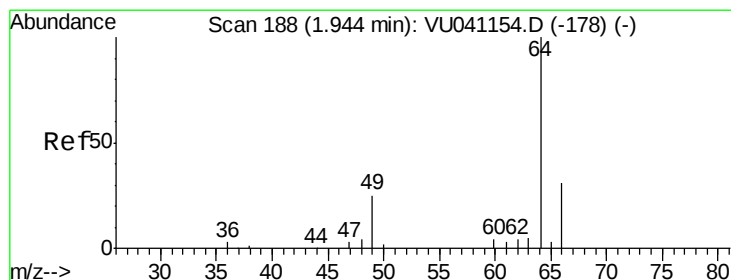
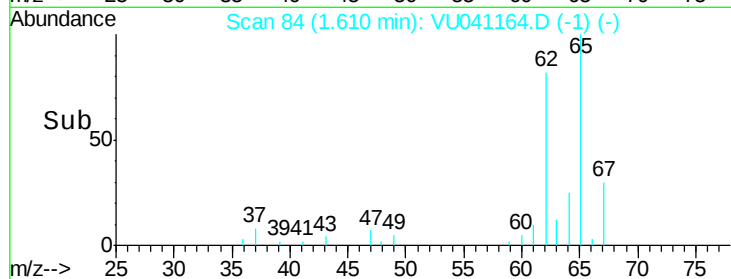
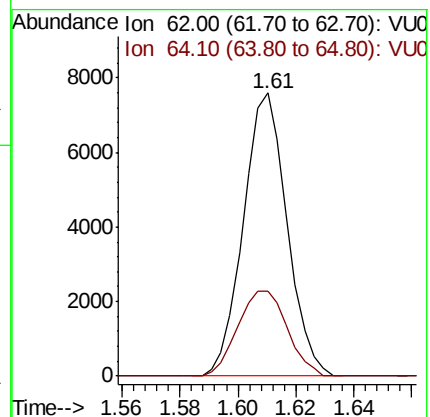
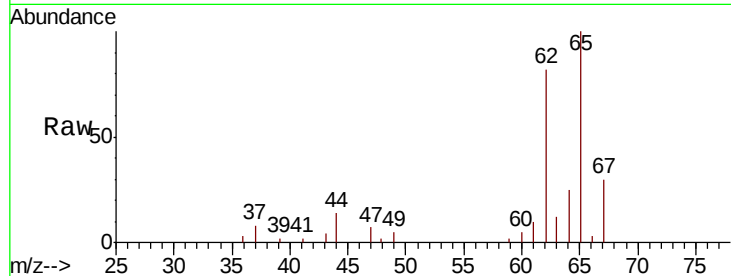
GB0T4

Tot Ion: 62 Resp: 7931

Ion Ratio Lower Upper

62 100

64 30.2 22.7 42.3



#8

Chloroethane

Concen: 0.372 ug/L

RT: 1.94 min Scan# 186

Delta R.T. -0.01 min

Lab File: VU041164.D

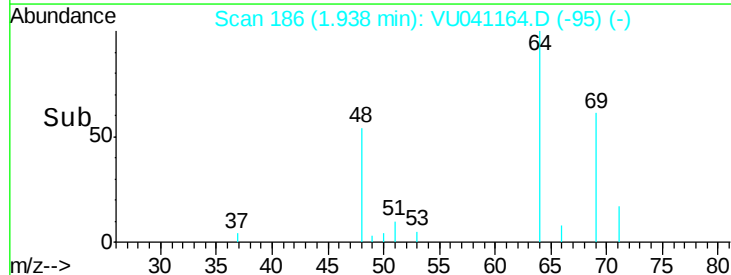
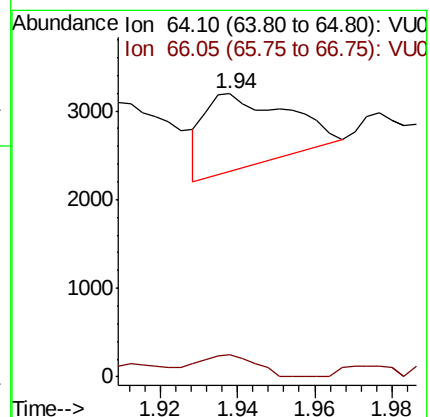
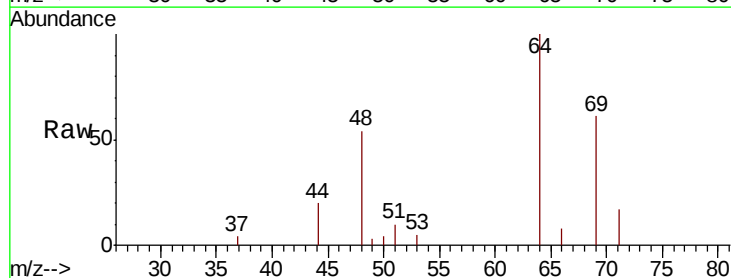
Acq: 10 Nov 2020 01:02

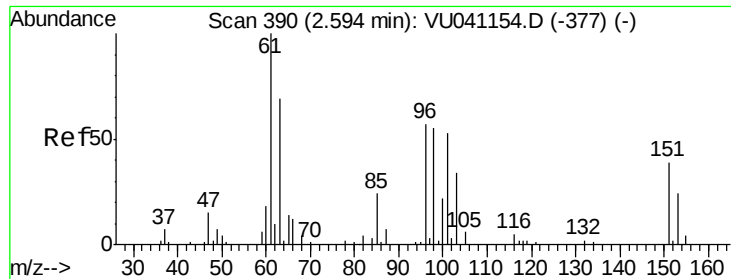
Tgt Ion: 64 Resp: 1261

Ion Ratio Lower Upper

64 100

66 7.7 22.3 41.5#





#12

1,1-Dichloroethene

Concen: 0.119 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.01 min

Lab File: VU041164.D

Acq: 10 Nov 2020 01:02

Instrument :

MSVOA_U

ClientSampled :

GB0T4

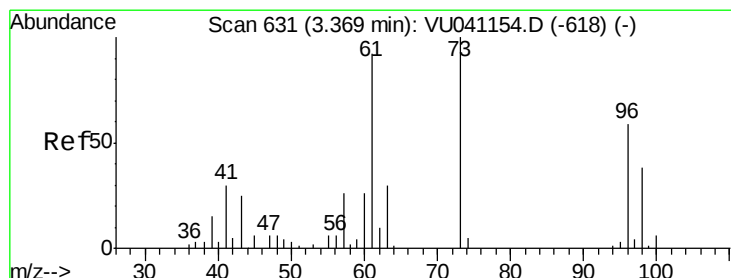
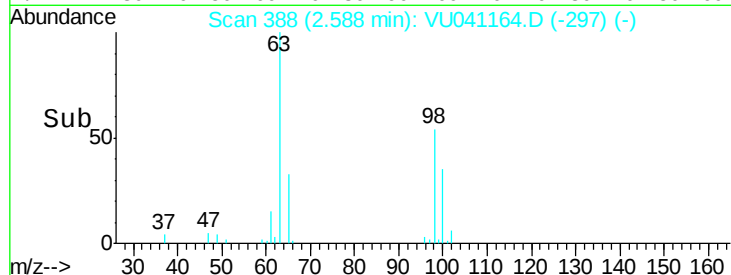
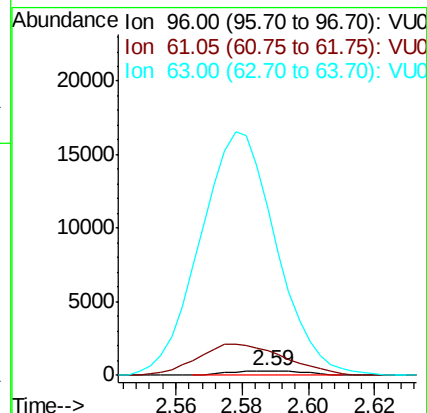
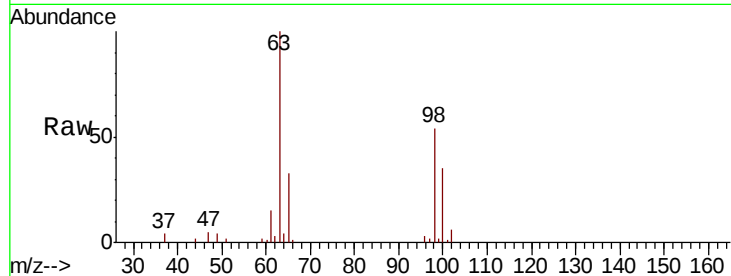
Tot Ion: 96 Resp: 479

Ion Ratio Lower Upper

96 100

61 522.5 134.3 249.5#

63 3492.3 95.0 176.4#



#18

trans-1,2-Dichloroethene

Concen: 2.917 ug/L

RT: 3.37 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU041164.D

Acq: 10 Nov 2020 01:02

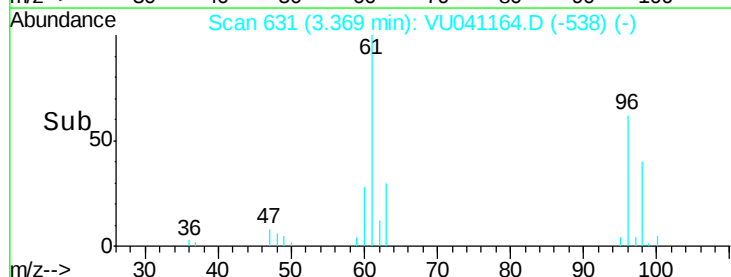
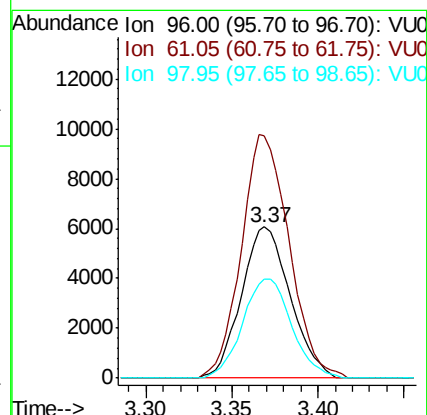
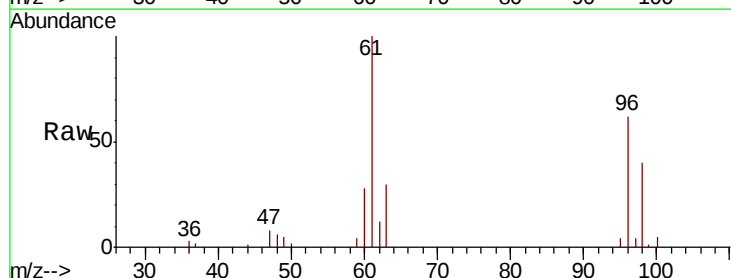
Tgt Ion: 96 Resp: 11937

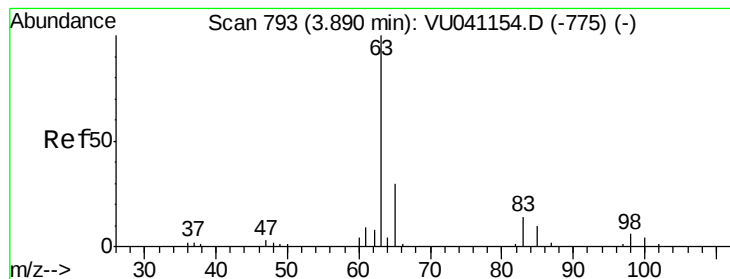
Ion Ratio Lower Upper

96 100

61 160.5 110.9 205.9

98 65.0 45.4 84.2





#19

1,1-Dichloroethane

Concen: 0.059 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU041164.D

Acq: 10 Nov 2020 01:02

Instrument :

MSVOA_U

ClientSampleId :

GB0T4

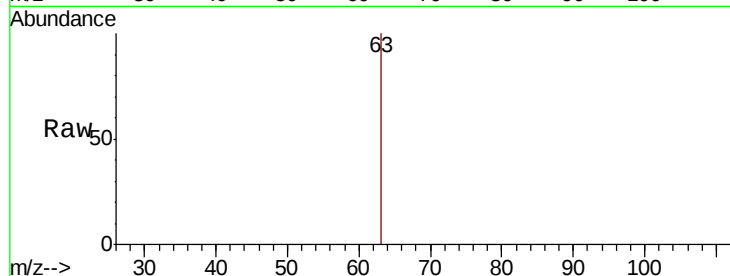
Tot Ion: 63 Resp: 485

Ion Ratio Lower Upper

63 100

65 0.0 21.3 39.6#

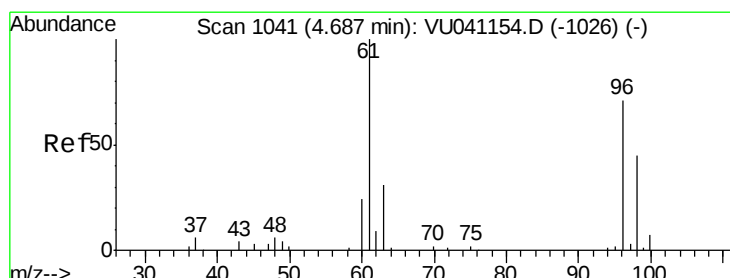
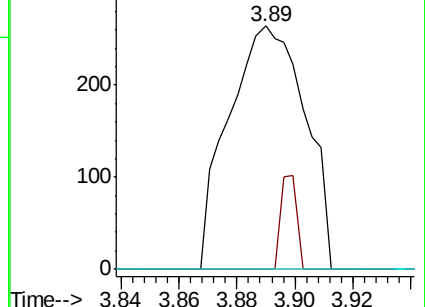
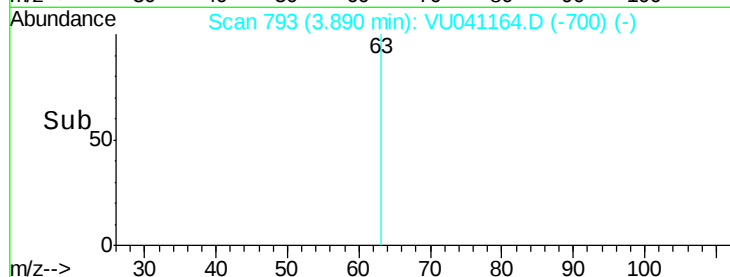
83 0.0 8.8 16.3#



Abundance Ion 63.10 (62.80 to 63.80): VU041164.D (-700) (-)

Ion 65.10 (64.80 to 65.80): VU041164.D (-700) (-)

Ion 83.05 (82.75 to 83.75): VU041164.D (-700) (-)



#22

cis-1,2-Dichloroethene

Concen: 30.879 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU041164.D

Acq: 10 Nov 2020 01:02

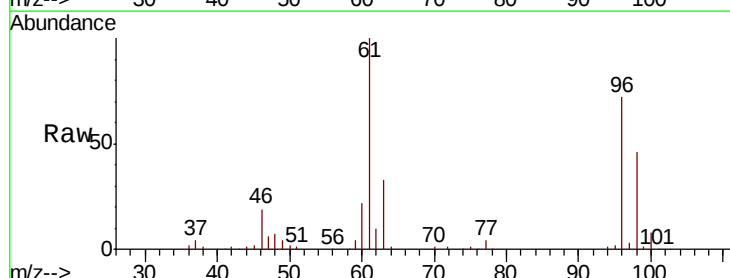
Tgt Ion: 96 Resp: 130325

Ion Ratio Lower Upper

96 100

61 139.0 97.2 180.4

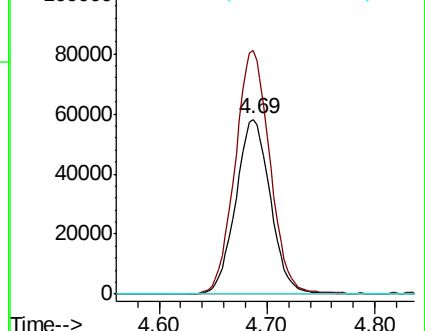
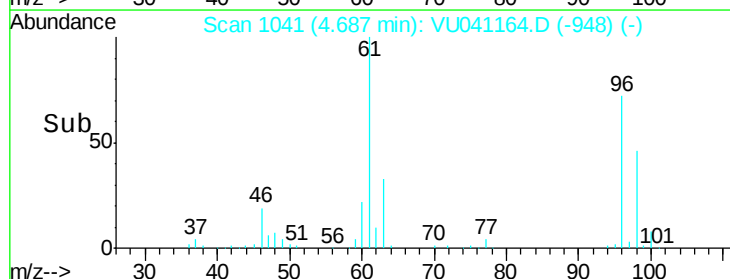
68 0.0 0.0 0.0

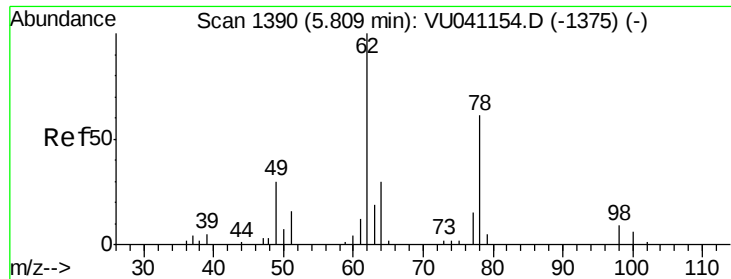


Abundance Ion 96.00 (95.70 to 96.70): VU041164.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU041164.D (-948) (-)

Ion 68.15 (67.85 to 68.85): VU041164.D (-948) (-)

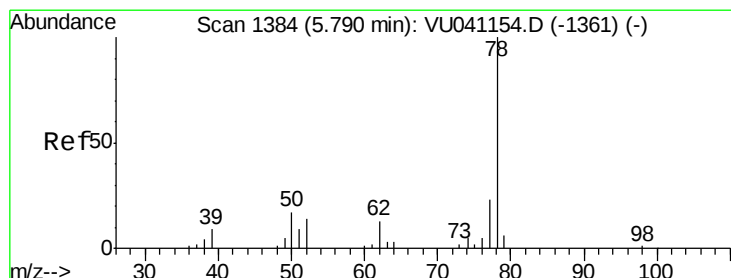
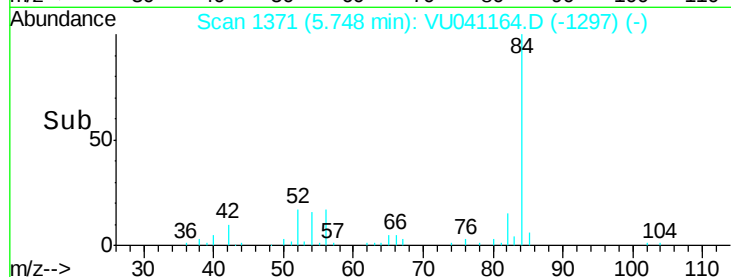
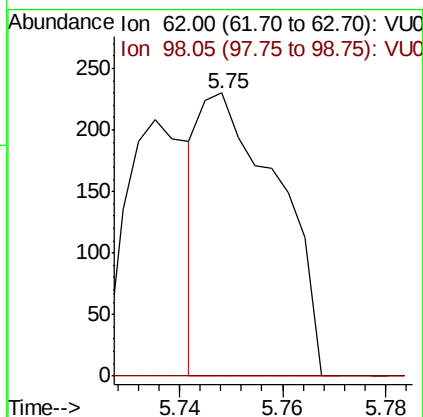
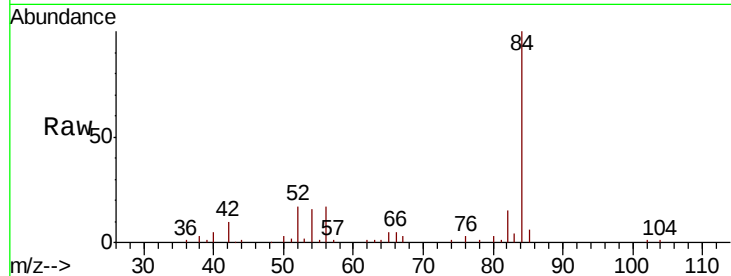




#27
 1,2-Dichloroethane
 Concen: 0.039 ug/L
 RT: 5.75 min Scan# 1371
 Delta R.T. -0.06 min
 Lab File: VU041164.D
 Acq: 10 Nov 2020 01:02

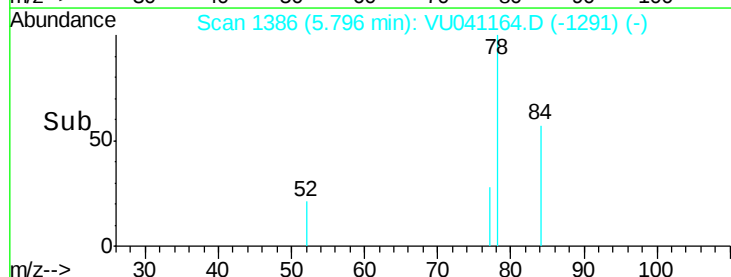
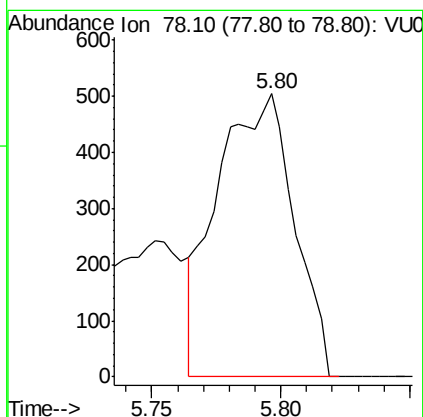
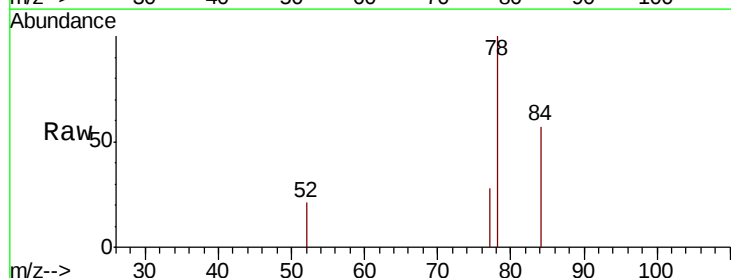
Instrument :
 MSVOA_U
 ClientSampleId :
 GB0T4

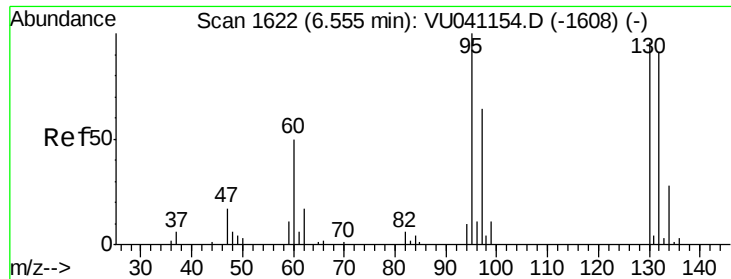
Tot Ion: 62 Resp: 241
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.6 11.4#



#33
 Benzene
 Concen: 0.060 ug/L
 RT: 5.80 min Scan# 1386
 Delta R.T. 0.01 min
 Lab File: VU041164.D
 Acq: 10 Nov 2020 01:02

Tgt Ion: 78 Resp: 1046





#34

Trichloroethene

Concen: 0.452 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU041164.D

Acq: 10 Nov 2020 01:02

Instrument :

MSVOA_U

ClientSampleId :

GB0T4

Tot Ion: 95 Resp: 1995

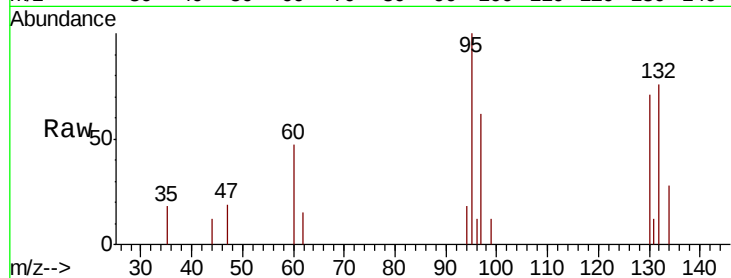
Ion Ratio Lower Upper

95 100

97 62.3 45.6 84.6

132 75.5 64.8 120.4

130 70.5 64.8 120.4

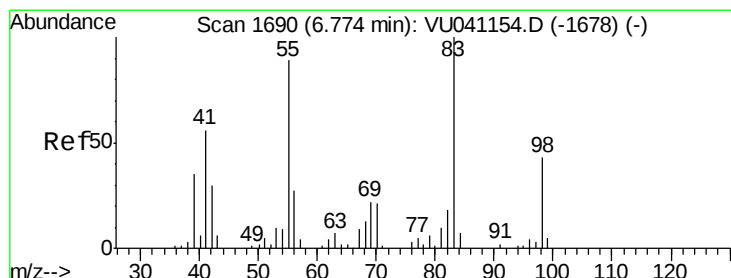
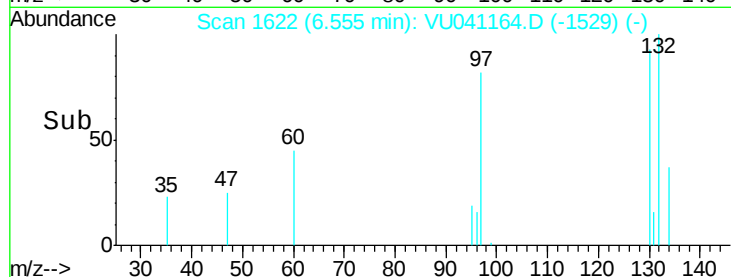
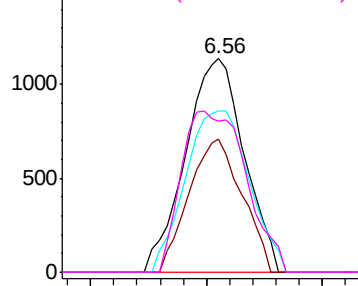


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.945 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU041164.D

Acq: 10 Nov 2020 01:02

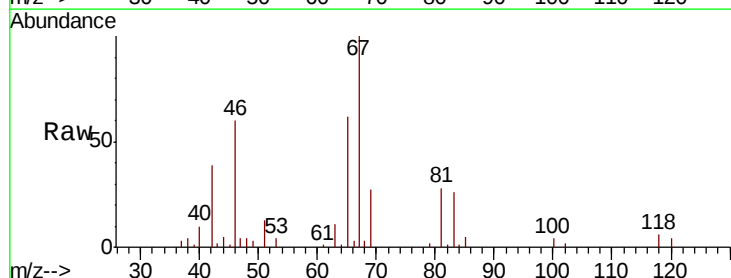
Tgt Ion: 83 Resp: 6225

Ion Ratio Lower Upper

83 100

55 0.0 72.0 108.0#

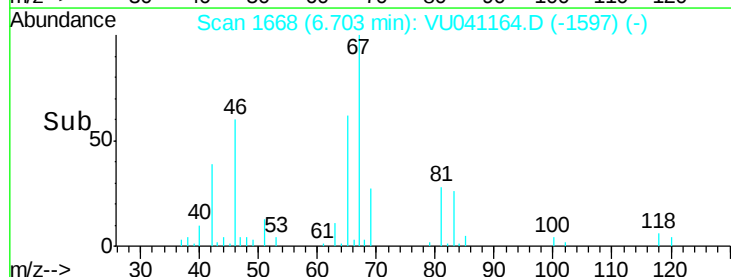
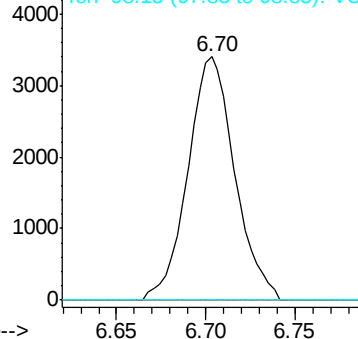
98 0.0 36.6 55.0#

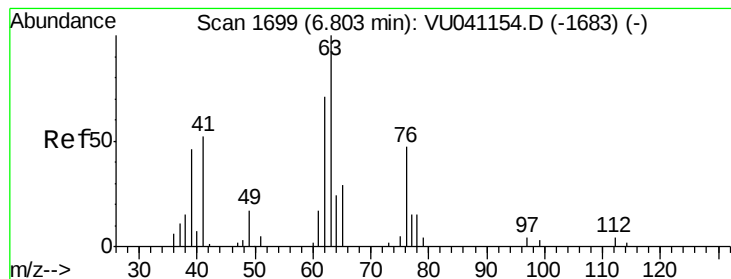


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.604 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.10 min

Lab File: VU041164.D

Acq: 10 Nov 2020 01:02

Instrument :

MSVOA_U

ClientSampleId :

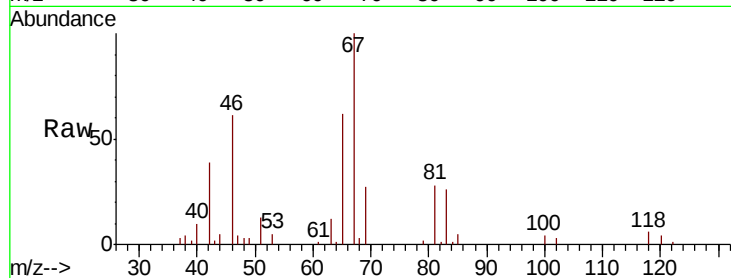
GB0T4

Tot Ion: 63 Resp: 2836

Ion Ratio Lower Upper

63 100

112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VU041164.D (-1667) (-)

Ion 112.10 (111.80 to 112.80): VU041164.D (-1667) (-)

6.70

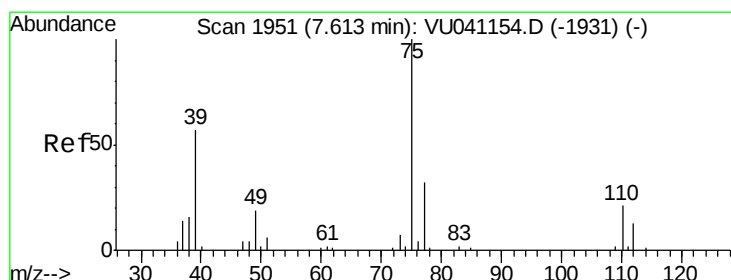
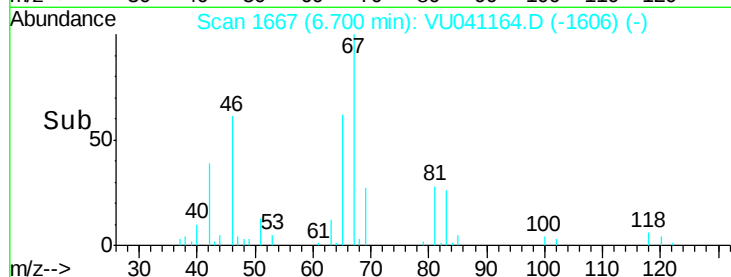
1500

1000

500

0

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.118 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU041164.D

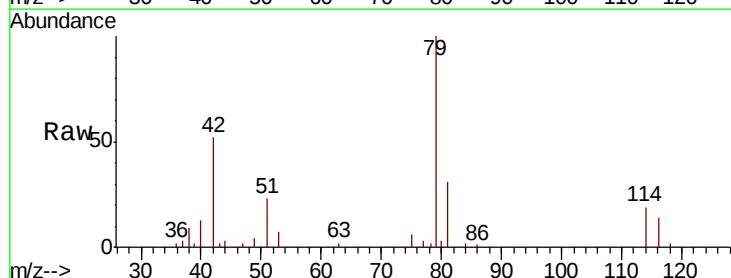
Acq: 10 Nov 2020 01:02

Tgt Ion: 75 Resp: 761

Ion Ratio Lower Upper

75 100

77 43.4 22.7 42.3#



Abundance Ion 75.05 (74.75 to 75.75): VU041164.D (-1858) (-)

Ion 77.05 (76.75 to 77.75): VU041164.D (-1858) (-)

7.57

600

500

400

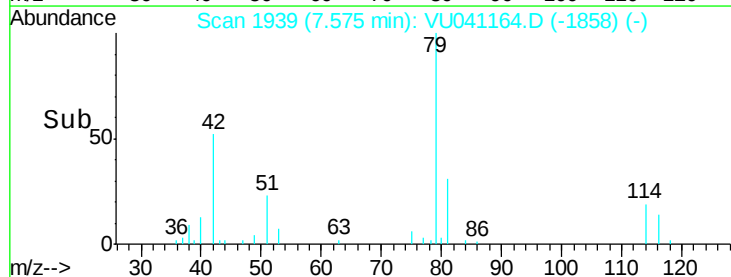
300

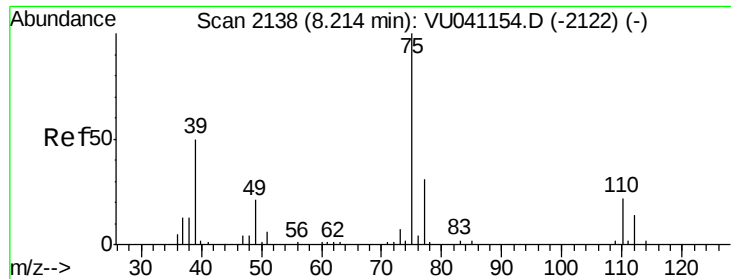
200

100

0

Time-->





#44

trans-1,3-Dichloropropene

Concen: 0.061 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU041164.D

Acq: 10 Nov 2020 01:02

Instrument :

MSVOA_U

ClientSampleId :

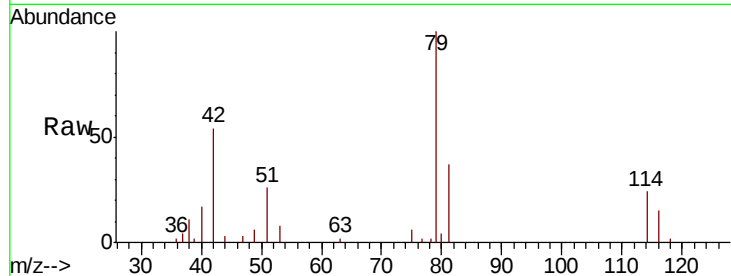
GB0T4

Tot Ion: 75 Resp: 371

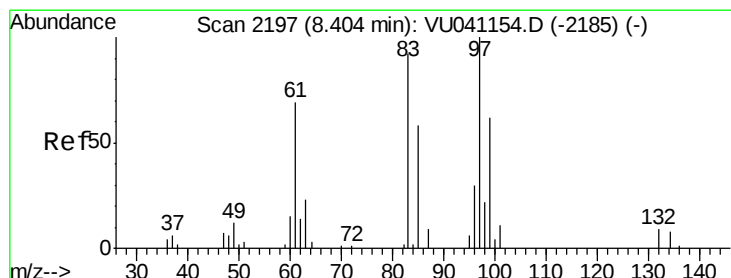
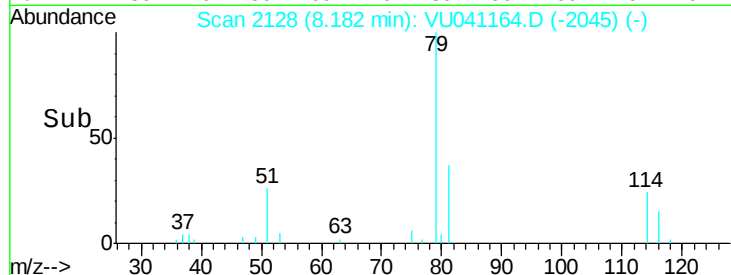
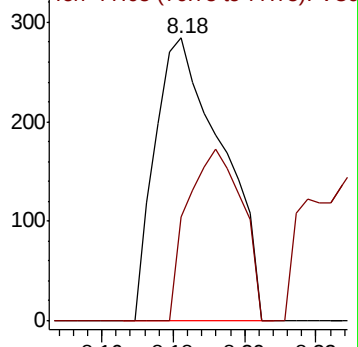
Ion Ratio Lower Upper

75 100

77 36.6 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU041164.D (-2045) (-)



#45

1,1,2-Trichloroethane

Concen: 0.233 ug/L

RT: 8.49 min Scan# 2224

Delta R.T. 0.09 min

Lab File: VU041164.D

Acq: 10 Nov 2020 01:02

Tgt Ion: 97 Resp: 816

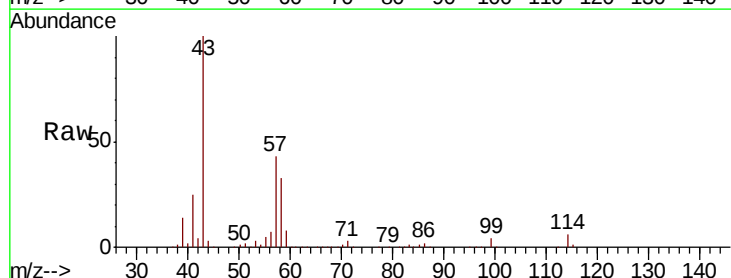
Ion Ratio Lower Upper

97 100

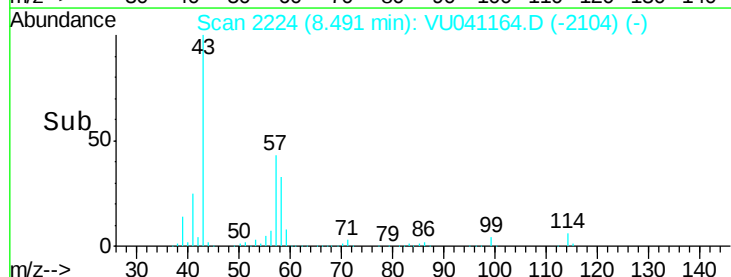
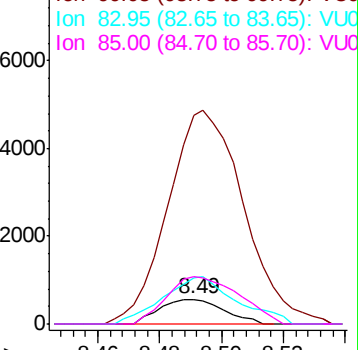
99 843.5 45.8 85.2#

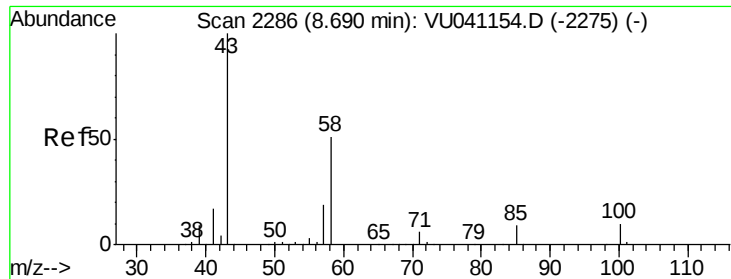
83 185.8 67.9 126.1#

85 194.0 42.8 79.6#



Abundance Ion 96.95 (96.65 to 97.65): VU041164.D (-2104) (-)

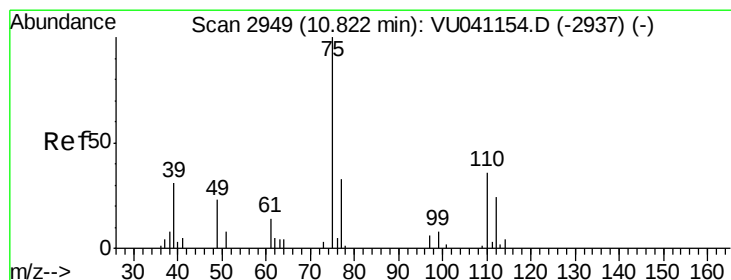
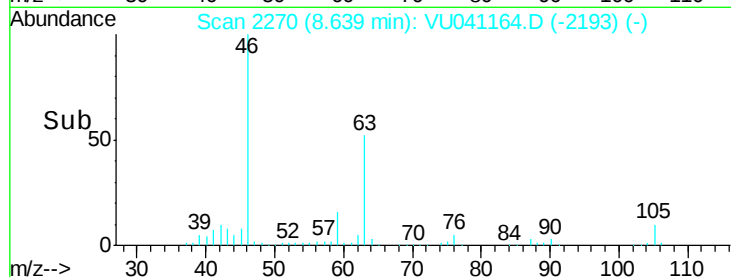
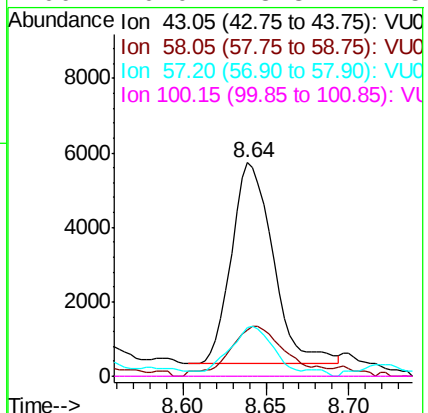
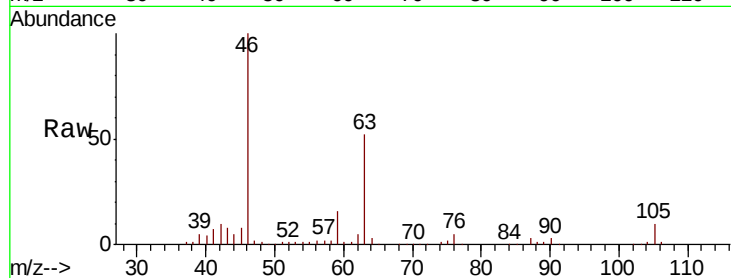




#48
2-Hexanone
Concen: 3.374 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041164.D
Acq: 10 Nov 2020 01:02

Instrument :
MSVOA_U
ClientSampled :
GB0T4

Tot Ion: 43 Resp: 9511
Ion Ratio Lower Upper
43 100
58 33.4 41.4 62.2#
57 0.0 14.6 21.8#
100 0.0 8.3 12.5#



#59
1,2,3-Trichloropropane
Concen: 0.982 ug/L
RT: 11.81 min Scan# 3255
Delta R.T. 0.98 min
Lab File: VU041164.D
Acq: 10 Nov 2020 01:02

Tgt Ion: 75 Resp: 3435
Ion Ratio Lower Upper
75 100
77 38.7 25.7 38.5#

