

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100120\
 Data File : VU040448.D
 Acq On : 02 Oct 2020 02:30
 Operator : SY/MD
 Sample : L4209-06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 JLWT4

Quant Time: Oct 02 05:30:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 02 05:20:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	132547	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	128442	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	56904	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	24544	3.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.80%
7) Chloroethane-d5	1.92	69	26106	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.80%
11) 1,1-Dichloroethene-d2	2.58	63	43300	2.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.80%#
20) 2-Butanone-d5	4.66	46	177415	54.43	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.86%
24) Chloroform-d	5.08	84	73657	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	5.72	65	45201	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
32) Benzene-d6	5.75	84	127627	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
36) 1,2-Dichloropropane-d6	6.70	67	48710	5.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.20%
41) Toluene-d8	7.91	98	101491	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
43) trans-1,3-Dichloropropene-	8.19	79	17792	4.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.40%
46) 2-Hexanone-d5	8.64	63	123187	54.33	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.66%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	46591	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	48334	5.60	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.00%

Target Compounds

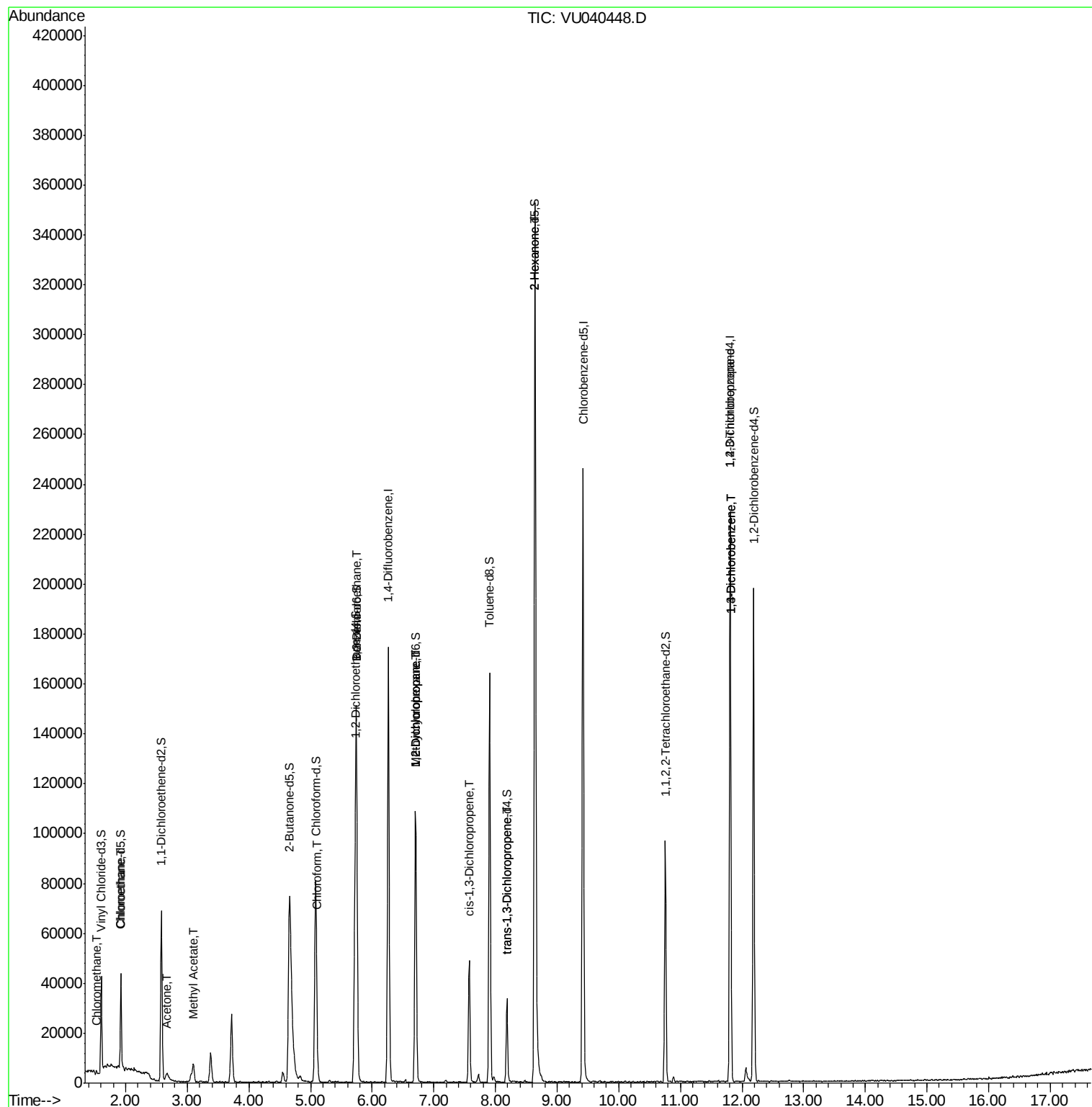
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	1062	0.081	ug/L #	80
8) Chloroethane	1.93	64	1255	0.165	ug/L #	56
13) Acetone	2.67	43	8068	2.970	ug/L	65
15) Methyl Acetate	3.10	43	5532	0.846	ug/L #	56
25) Chloroform	5.11	83	5406	0.247	ug/L	99
27) 1,2-Dichloroethane	5.74	62	740	0.049	ug/L #	74
35) Methylcyclohexane	6.70	83	11224	0.669	ug/L #	14
37) 1,2-Dichloropropane	6.71	63	5751	0.480	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1247	0.078	ug/L #	82
44) trans-1,3-Dichloropropene	8.19	75	884	0.060	ug/L #	57
48) 2-Hexanone	8.64	43	19132	2.765	ug/L #	70
59) 1,2,3-Trichloropropane	11.81	75	7873	0.906	ug/L #	88
62) 1,3-Dichlorobenzene	11.83	146	1169	0.062	ug/L #	79
63) 1,4-Dichlorobenzene	11.83	146	1169	0.060	ug/L #	79

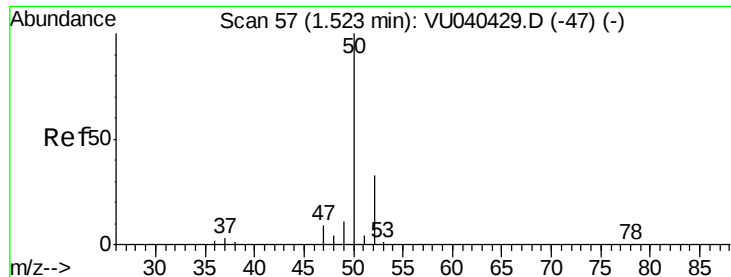
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 02 05:20:15 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.081 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040448.D

Acq: 02 Oct 2020 02:30

Instrument :

MSVOA_U

ClientSampleId :

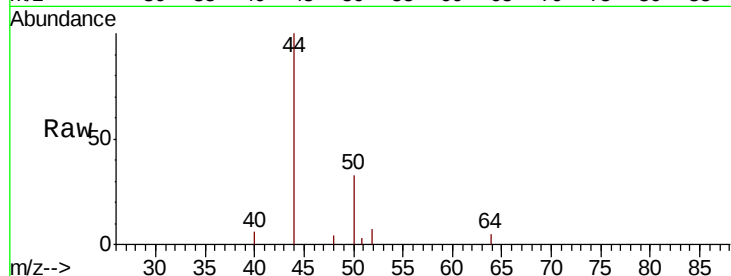
JLWT4

Tot Ion: 50 Resp: 1062

Ion Ratio Lower Upper

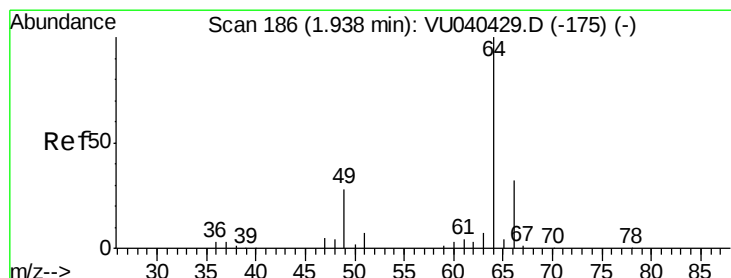
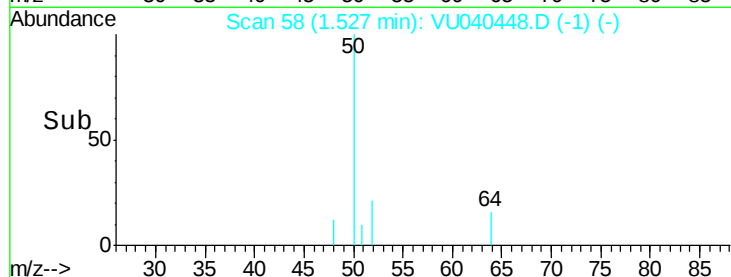
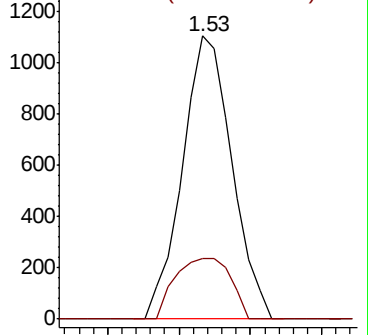
50 100

52 21.4 23.0 42.6#



Abundance Ion 50.05 (49.75 to 50.75): VU040429.D (-47) (-)

Ion 52.05 (51.75 to 52.75): VU040429.D (-47) (-)



#8

Chloroethane

Concen: 0.165 ug/L

RT: 1.93 min Scan# 185

Delta R.T. -0.00 min

Lab File: VU040448.D

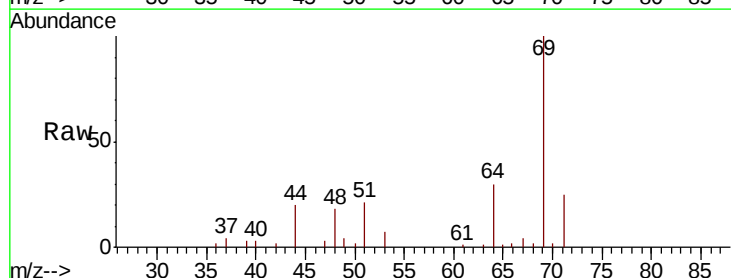
Acq: 02 Oct 2020 02:30

Tgt Ion: 64 Resp: 1255

Ion Ratio Lower Upper

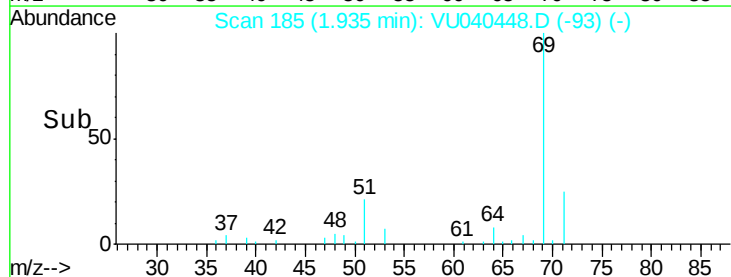
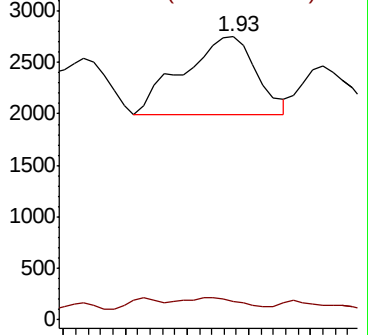
64 100

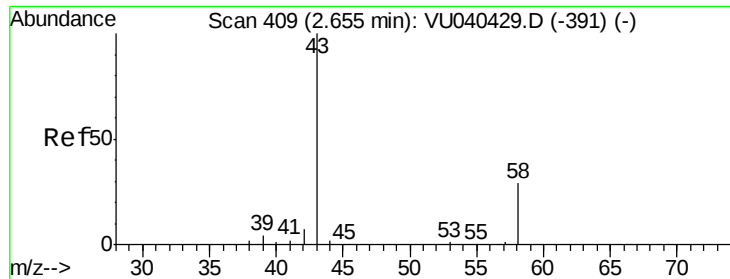
66 6.4 21.3 39.6#



Abundance Ion 64.10 (63.80 to 64.80): VU040429.D (-175) (-)

Ion 66.05 (65.75 to 66.75): VU040429.D (-175) (-)





#13

Acetone

Concen: 2.970 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.02 min

Lab File: VU040448.D

Acq: 02 Oct 2020 02:30

Instrument :

MSVOA_U

ClientSampleId :

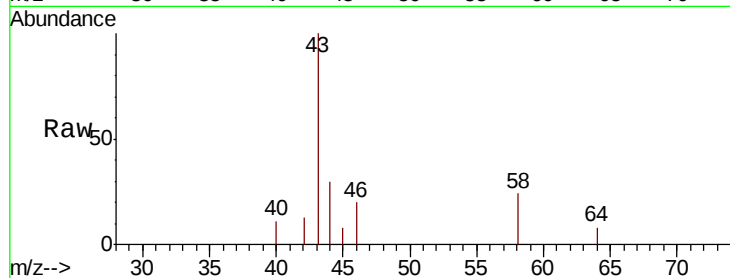
JLWT4

Tot Ion: 43 Resp: 8068

Ion Ratio Lower Upper

43 100

58 11.7 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.67

2000

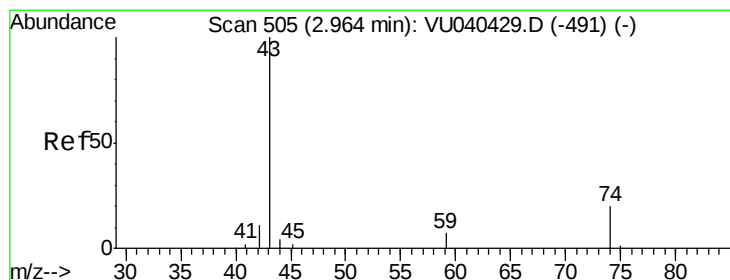
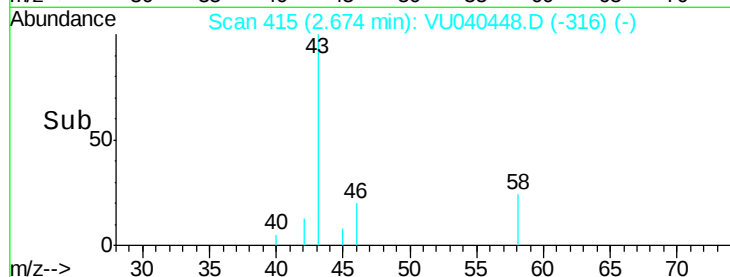
1500

1000

500

0

Time-->



#15

Methyl Acetate

Concen: 0.846 ug/L

RT: 3.10 min Scan# 547

Delta R.T. 0.14 min

Lab File: VU040448.D

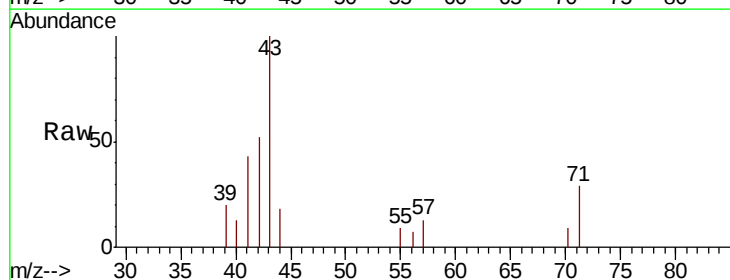
Acq: 02 Oct 2020 02:30

Tgt Ion: 43 Resp: 5532

Ion Ratio Lower Upper

43 100

74 0.0 16.3 24.5#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

3.10

2500

2000

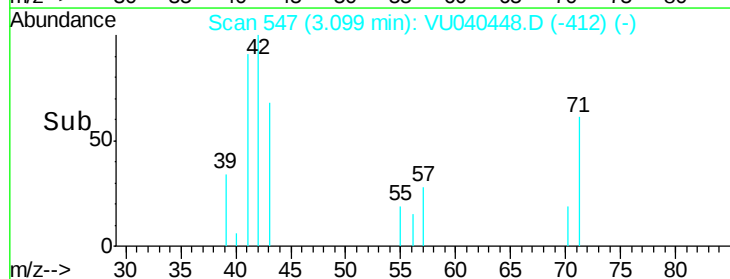
1500

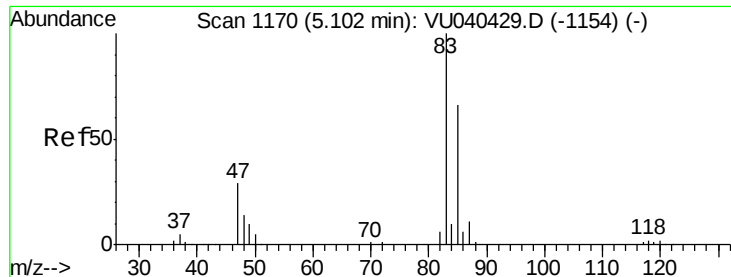
1000

500

0

Time-->

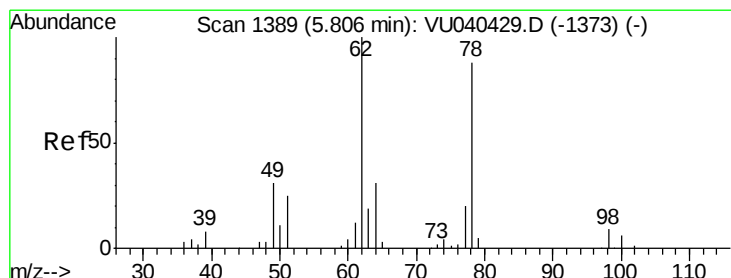
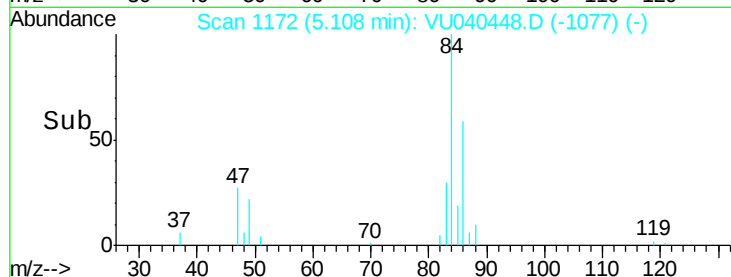
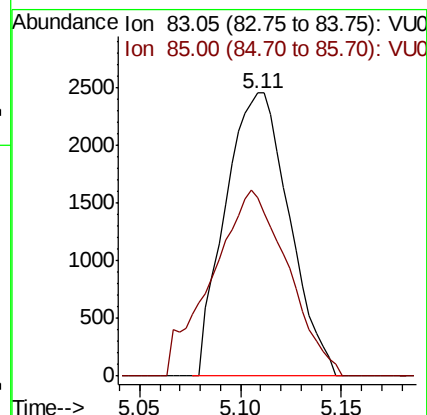
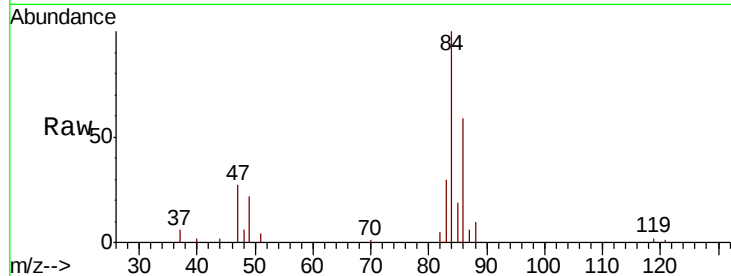




#25
Chloroform
Concen: 0.247 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.01 min
Lab File: VU040448.D
Acq: 02 Oct 2020 02:30

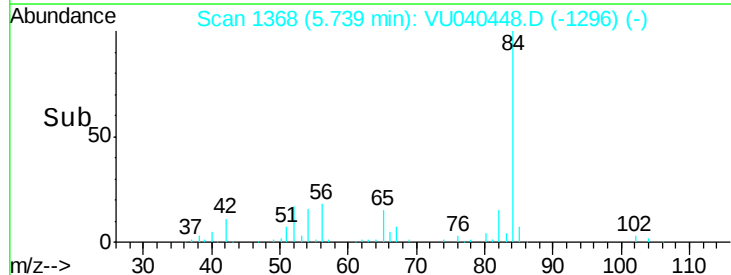
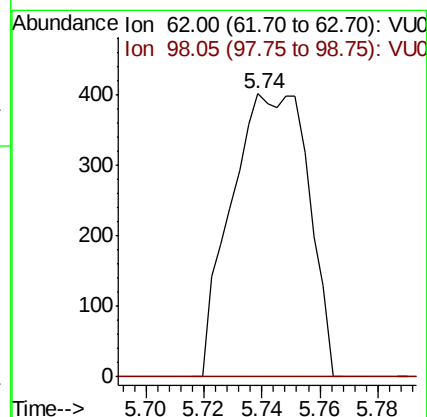
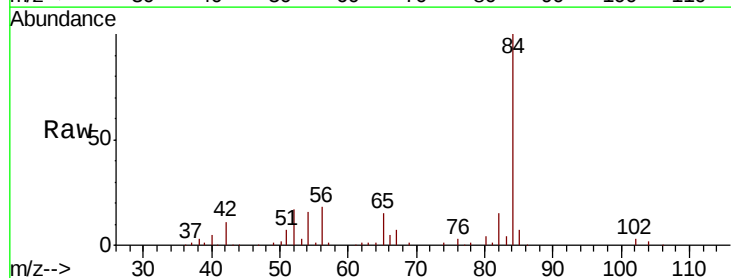
Instrument :
MSVOA_U
ClientSampled :
JLWT4

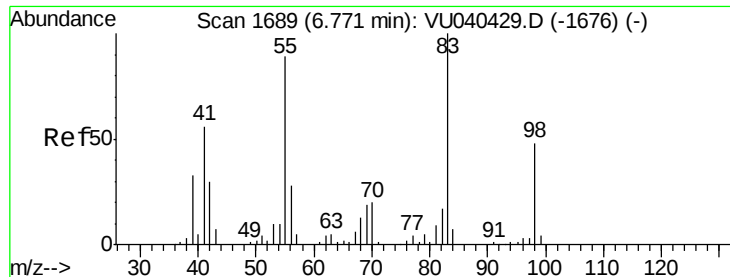
Tot Ion: 83 Resp: 5406
Ion Ratio Lower Upper
83 100
85 63.0 44.6 82.8



#27
1,2-Dichloroethane
Concen: 0.049 ug/L
RT: 5.74 min Scan# 1368
Delta R.T. -0.07 min
Lab File: VU040448.D
Acq: 02 Oct 2020 02:30

Tgt Ion: 62 Resp: 740
Ion Ratio Lower Upper
62 100
98 0.0 7.5 11.3#

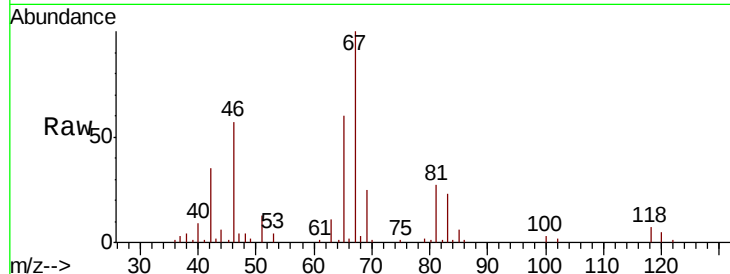




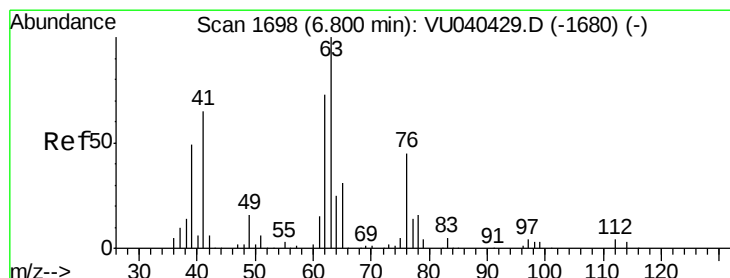
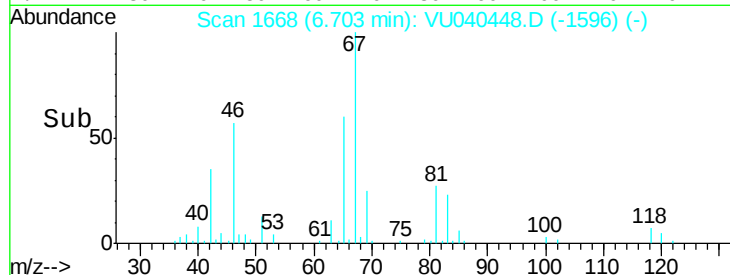
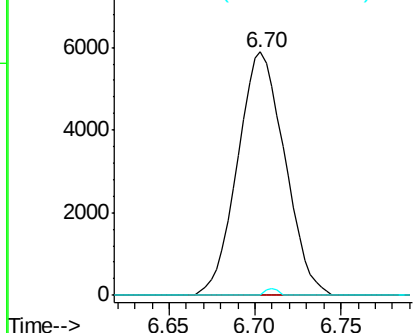
#35
Methvlcvclohexane
Concen: 0.669 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040448.D
Acq: 02 Oct 2020 02:30

Instrument :
MSVOA_U
ClientSampleId :
JLWT4

Tot Ion: 83 Resp: 11224
Ion Ratio Lower Upper
83 100
55 0.0 71.4 107.2#
98 0.8 38.5 57.7#

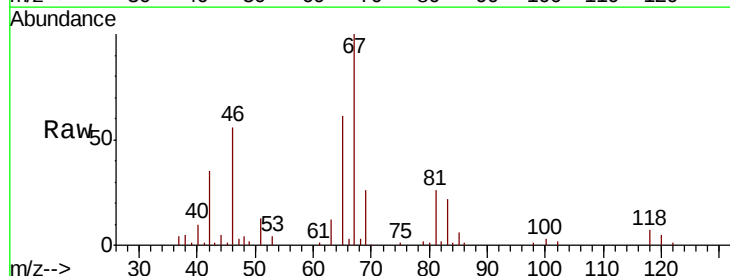


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

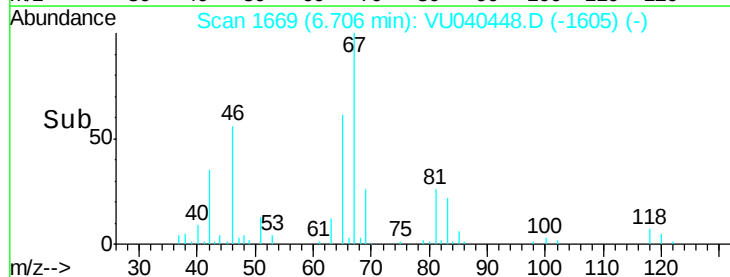
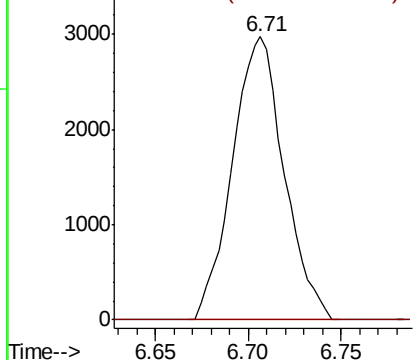


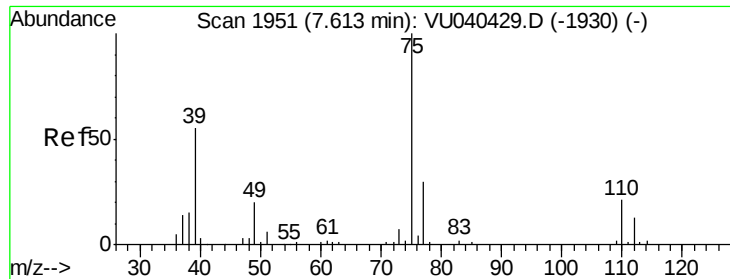
#37
1,2-Dichloropropane
Concen: 0.480 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.09 min
Lab File: VU040448.D
Acq: 02 Oct 2020 02:30

Tgt Ion: 63 Resp: 5751
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



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: 0.078 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU040448.D

Acq: 02 Oct 2020 02:30

Instrument :

MSVOA_U

ClientSampleId :

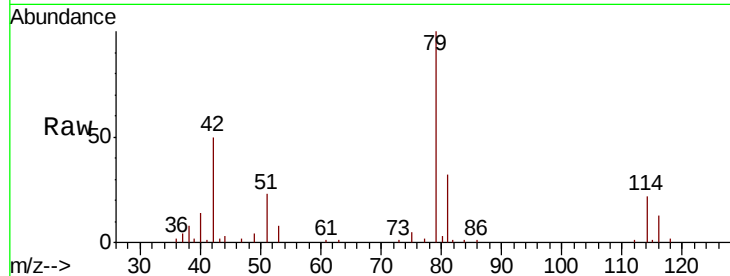
JLWT4

Tot Ion: 75 Resp: 1247

Ion Ratio Lower Upper

75 100

77 43.8 23.5 43.7#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

7.57

800

600

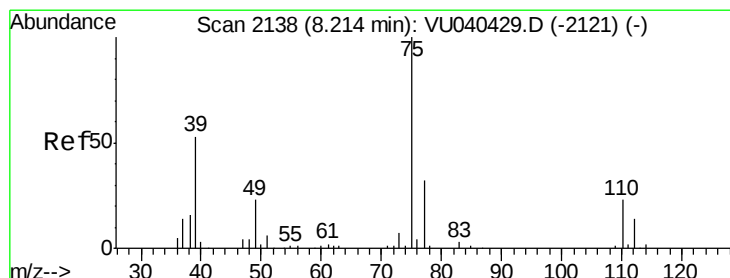
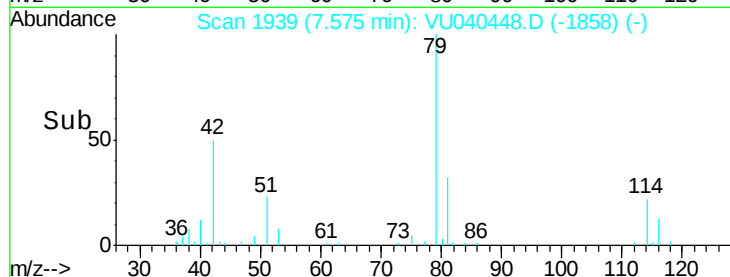
400

200

0

7.55 7.60

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.060 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040448.D

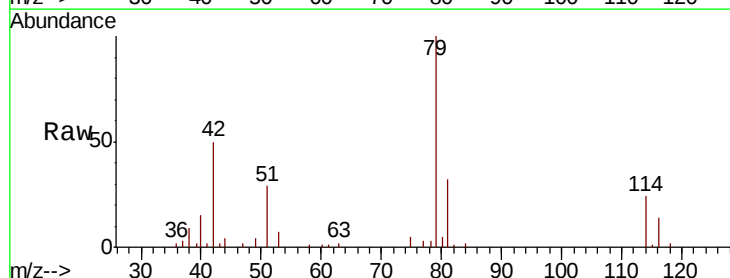
Acq: 02 Oct 2020 02:30

Tgt Ion: 75 Resp: 884

Ion Ratio Lower Upper

75 100

77 55.5 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.19

600

500

400

300

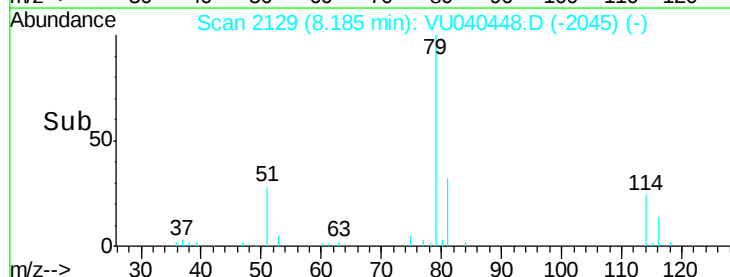
200

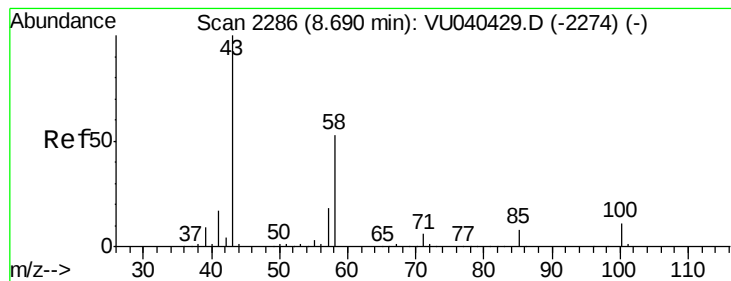
100

0

8.14 8.16 8.18 8.20 8.22

Time-->





#48

2-Hexanone

Concen: 2.765 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU040448.D

Acq: 02 Oct 2020 02:30

Instrument :

MSVOA_U

ClientSampleId :

JLWT4

Tot Ion: 43 Resp: 19132

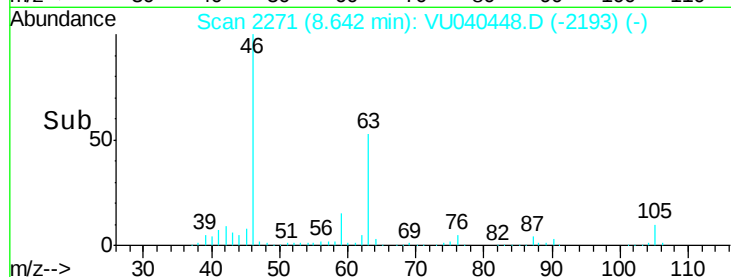
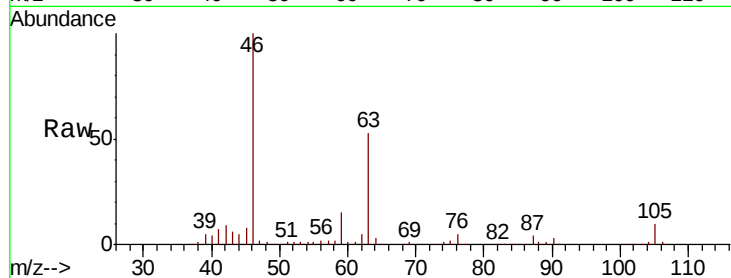
Ion Ratio Lower Upper

43 100

58 24.3 41.0 61.4#

57 22.2 14.6 22.0#

100 0.0 8.2 12.4#

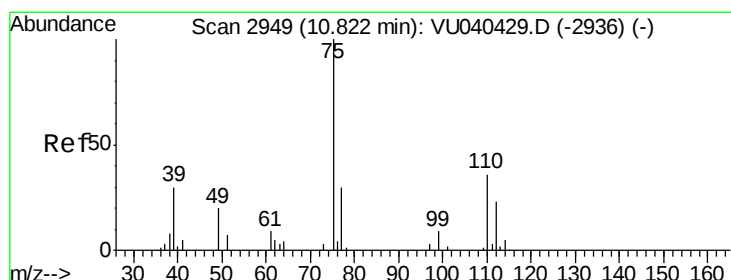
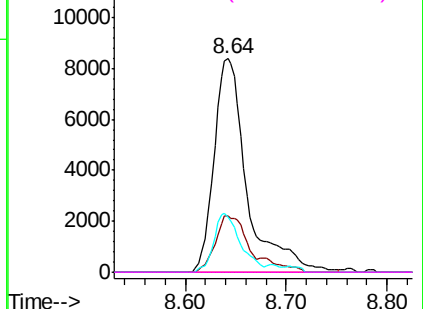


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0



#59

1,2,3-Trichloropropane

Concen: 0.906 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040448.D

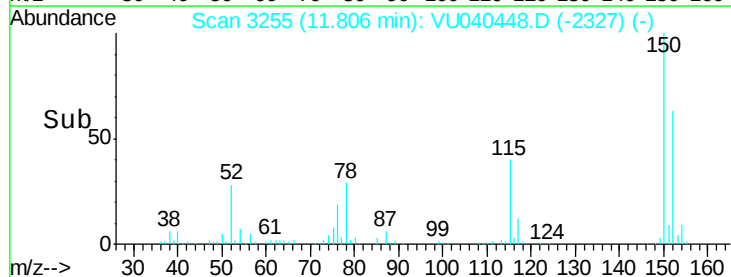
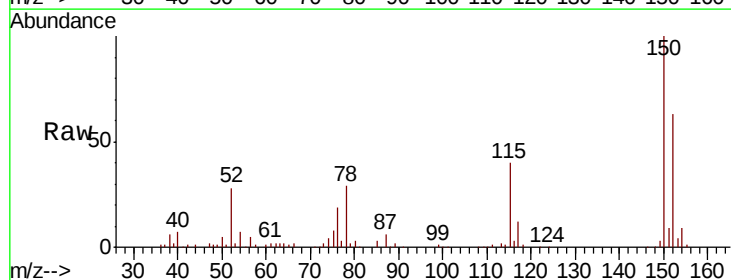
Acq: 02 Oct 2020 02:30

Tgt Ion: 75 Resp: 7873

Ion Ratio Lower Upper

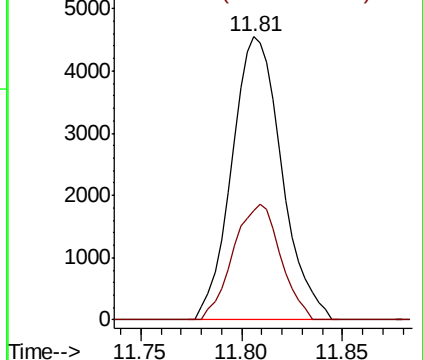
75 100

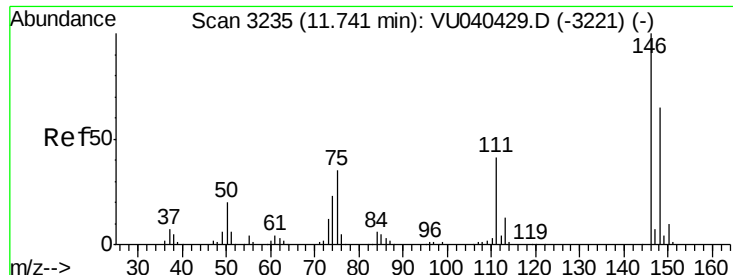
77 38.8 25.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#62

1,3-Dichlorobenzene

Concen: 0.062 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.08 min

Lab File: VU040448.D

Acq: 02 Oct 2020 02:30

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JLWT4

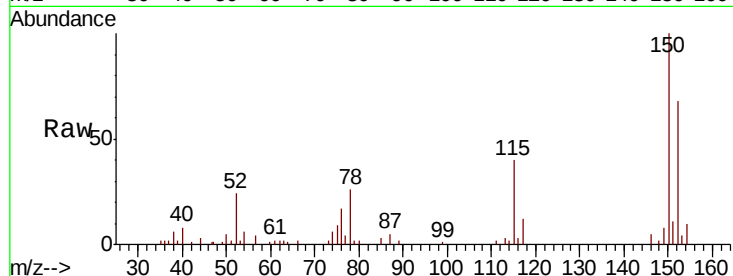
Tot Ion:146 Resp: 1169

Ion Ratio Lower Upper

146 100

111 42.6 28.6 53.0

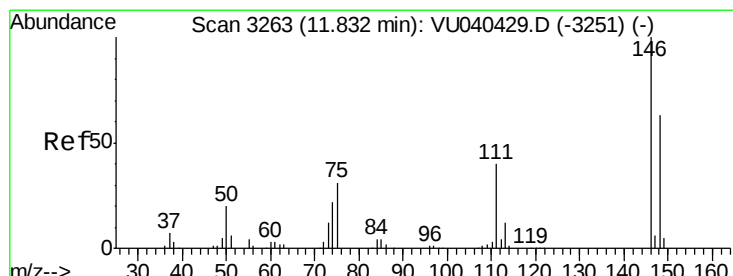
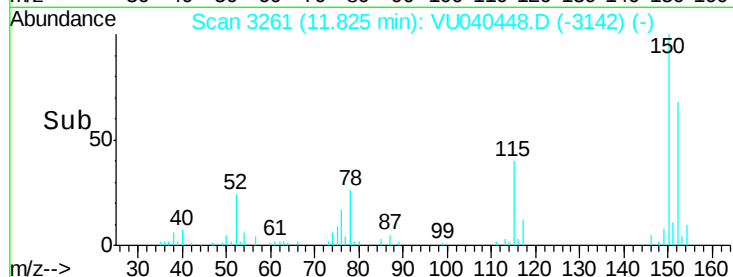
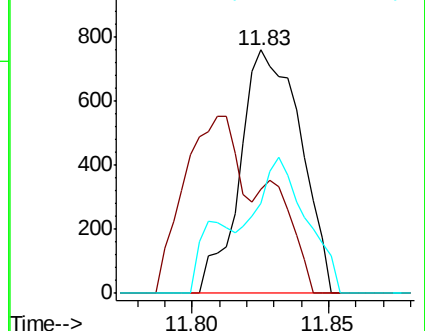
148 36.9 43.4 80.6#



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.060 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. -0.01 min

Lab File: VU040448.D

Acq: 02 Oct 2020 02:30

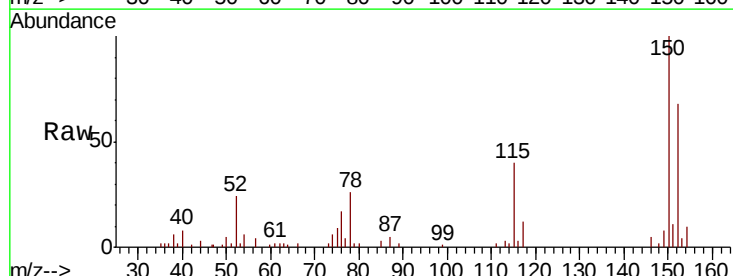
Tgt Ion:146 Resp: 1169

Ion Ratio Lower Upper

146 100

111 42.6 29.2 54.2

148 36.9 44.4 82.4#



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

