

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101220\
 Data File : VU040668.D
 Acq On : 12 Oct 2020 18:52
 Operator : SY/MD
 Sample : L4345-18
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YAQY8

Quant Time: Oct 13 04:43:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 13 04:32:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	118291	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	123564	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	51855	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	42819	4.37	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.40%
7) Chloroethane-d5	1.92	69	37754	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.00%
11) 1,1-Dichloroethene-d2	2.58	63	68650	3.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.60%
20) 2-Butanone-d5	4.67	46	181019	57.71	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.42%
24) Chloroform-d	5.08	84	90384	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.20%
26) 1,2-Dichloroethane-d4	5.72	65	56457	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.80%
32) Benzene-d6	5.74	84	161388	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
36) 1,2-Dichloropropane-d6	6.70	67	56312	5.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.80%
41) Toluene-d8	7.91	98	129029	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.40%
43) trans-1,3-Dichloropropene-	8.19	79	22416	4.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.60%
46) 2-Hexanone-d5	8.64	63	126148	52.23	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.46%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	49017	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	53906	5.61	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.20%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	802	0.080 ug/L #	80
8) Chloroethane	1.94	64	361	0.054 ug/L #	41
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	927	0.094 ug/L #	50
12) 1,1-Dichloroethene	2.59	96	2272	0.269 ug/L #	1
13) Acetone	2.67	43	27686	11.387 ug/L	82
25) Chloroform	5.11	83	9477	0.508 ug/L	94
27) 1,2-Dichloroethane	5.74	62	1121	0.085 ug/L #	77
34) Trichloroethene	6.56	95	159283	15.479 ug/L	97
35) Methylcyclohexane	6.71	83	13577	0.930 ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6447	0.583 ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1592	0.105 ug/L #	53
44) trans-1,3-Dichloropropene	8.19	75	1088	0.078 ug/L #	46
47) Tetrachloroethene	8.56	164	37602	5.122 ug/L	94
48) 2-Hexanone	8.64	43	17127	2.609 ug/L #	71
49) Dibromochloromethane	8.56	129	37519	3.936 ug/L #	9
51) Chlorobenzene	9.45	112	1988	0.075 ug/L #	89
59) 1,2,3-Trichloropropane	11.81	75	6897	0.849 ug/L	90

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QLast Update : Tue Oct 13 04:32:46 2020
Response via : Initial Calibration

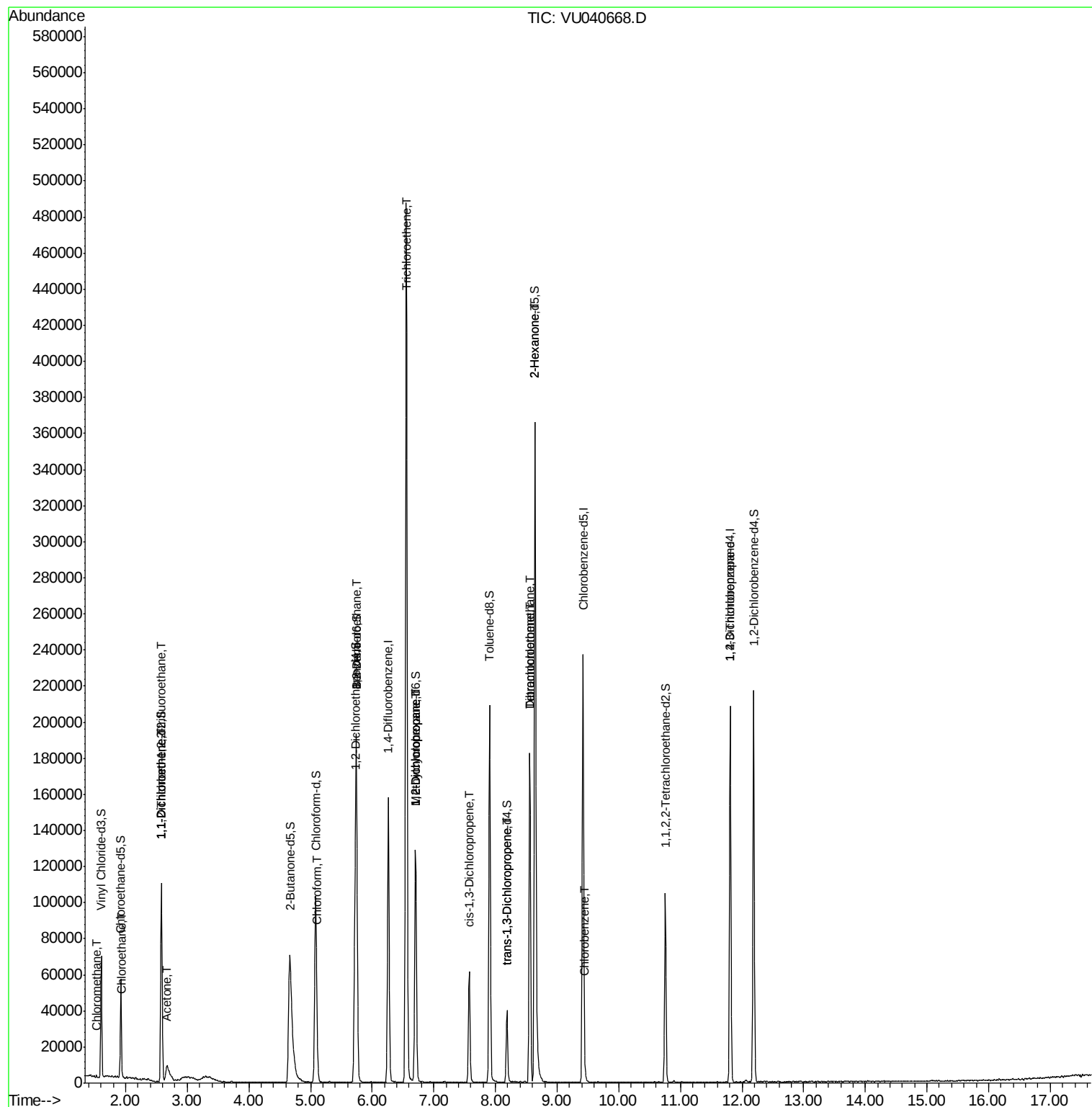
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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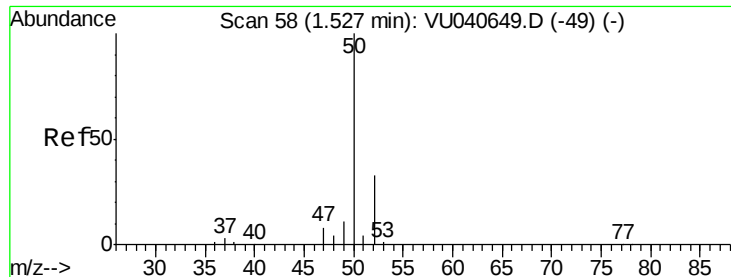
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.080 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040668.D

Acq: 12 Oct 2020 18:52

Instrument :

MSVOA_U

ClientSampleId :

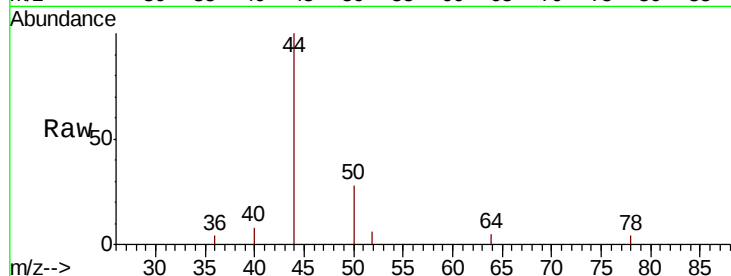
YQY8

Tot Ion: 50 Resp: 802

Ion Ratio Lower Upper

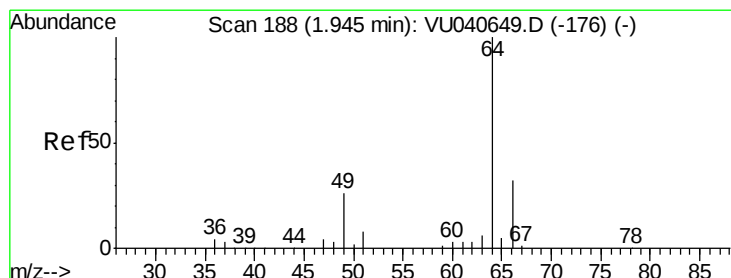
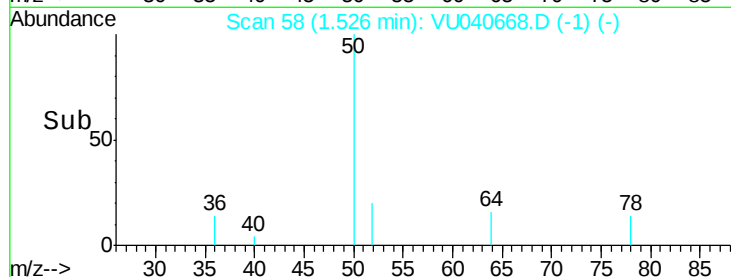
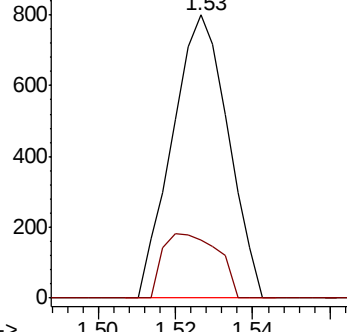
50 100

52 20.4 21.9 40.7#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#8

Chloroethane

Concen: 0.054 ug/L

RT: 1.94 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU040668.D

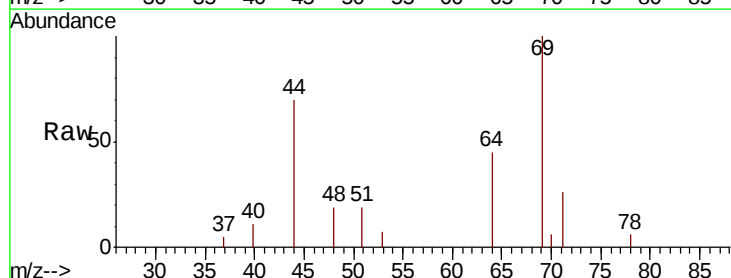
Acq: 12 Oct 2020 18:52

Tgt Ion: 64 Resp: 361

Ion Ratio Lower Upper

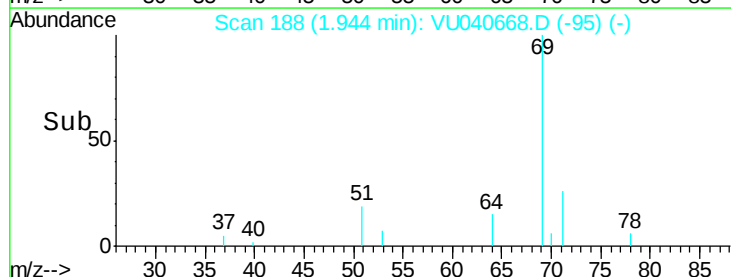
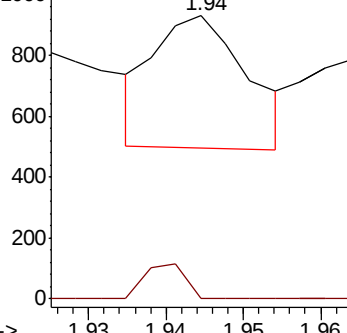
64 100

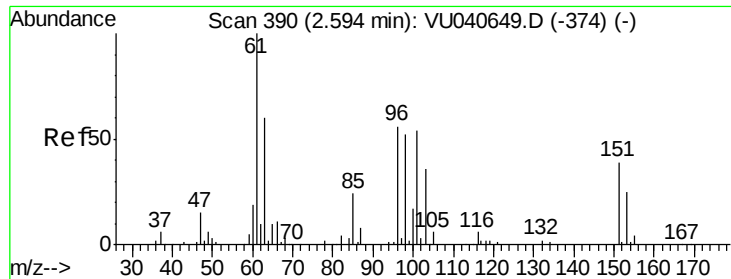
66 0.0 23.3 43.3#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#10

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

Concen: 0.094 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.01 min

Lab File: VU040668.D

Acq: 12 Oct 2020 18:52

Instrument :

MSVOA_U

ClientSampleId :

YQY8

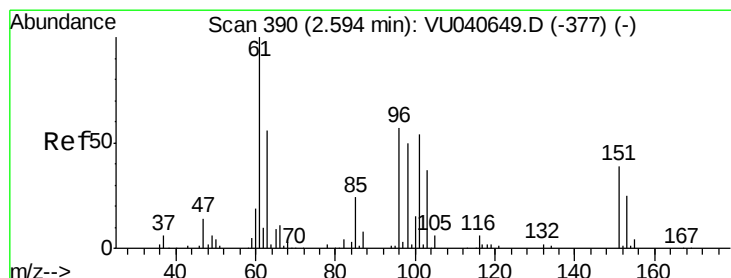
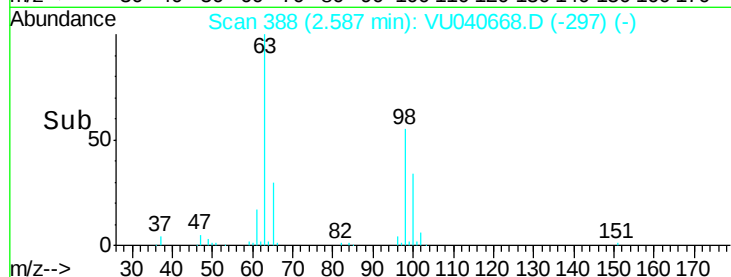
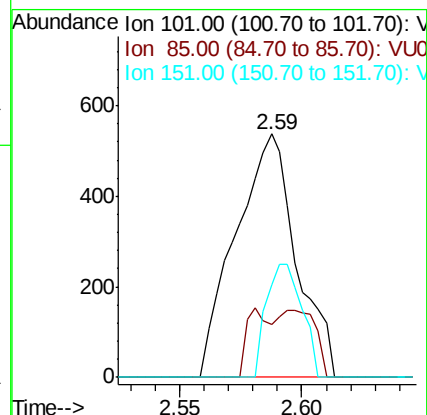
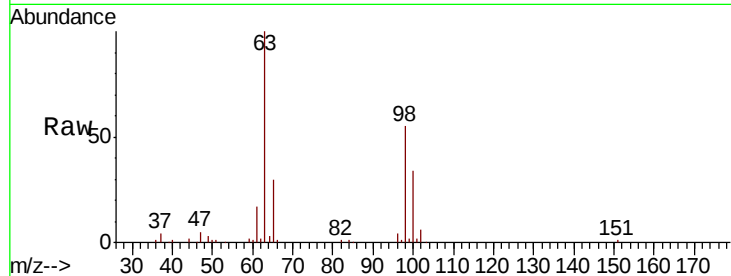
Tot Ion:101 Resp: 927

Ion Ratio Lower Upper

101 100

85 16.9 36.7 55.1#

151 27.3 58.0 87.0#



#12

1,1-Dichloroethene

Concen: 0.269 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040668.D

Acq: 12 Oct 2020 18:52

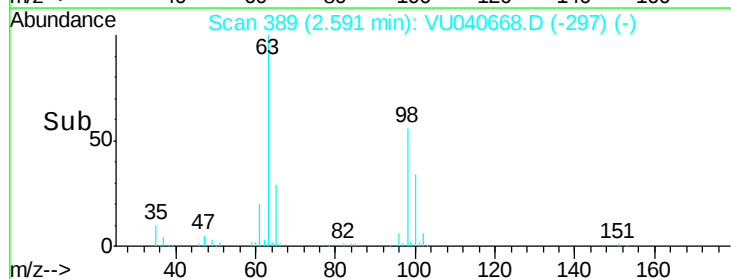
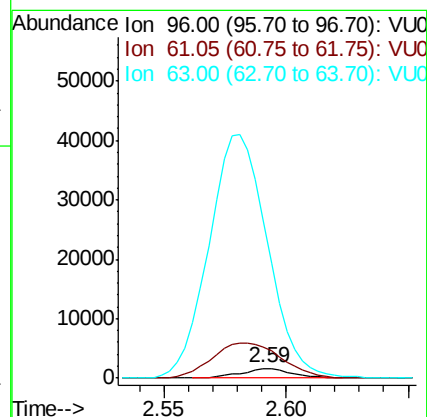
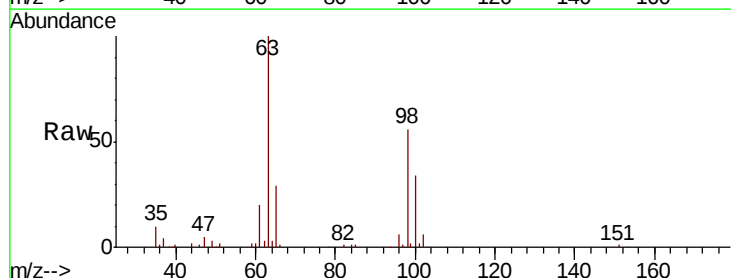
Tgt Ion: 96 Resp: 2272

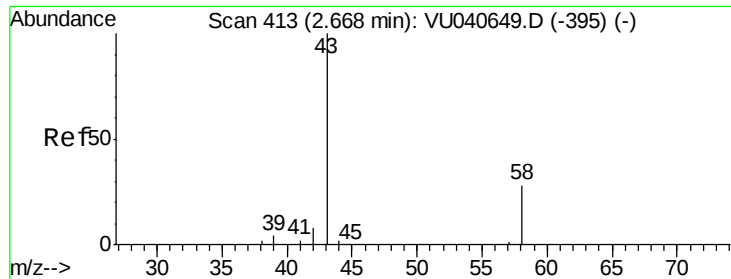
Ion Ratio Lower Upper

96 100

61 327.8 128.8 239.2#

63 1673.2 84.6 157.2#





#13

Acetone

Concen: 11.387 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU040668.D

Acq: 12 Oct 2020 18:52

Instrument :

MSVOA_U

ClientSampleId :

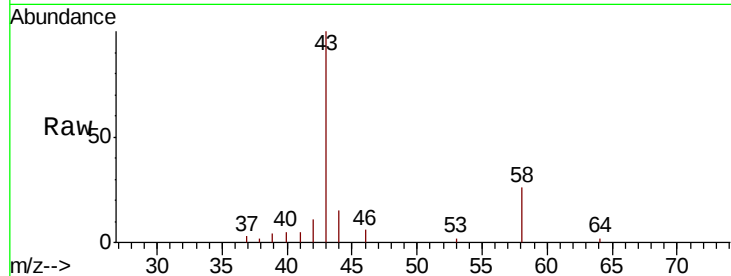
YAY8

Tot Ion: 43 Resp: 27686

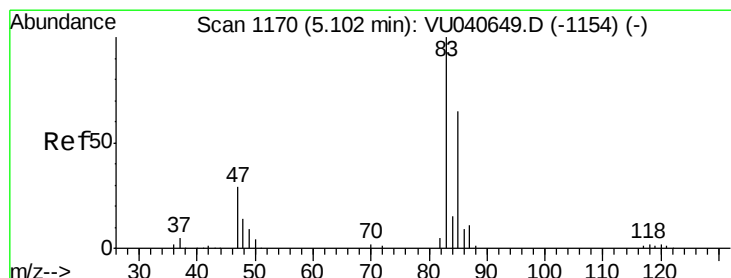
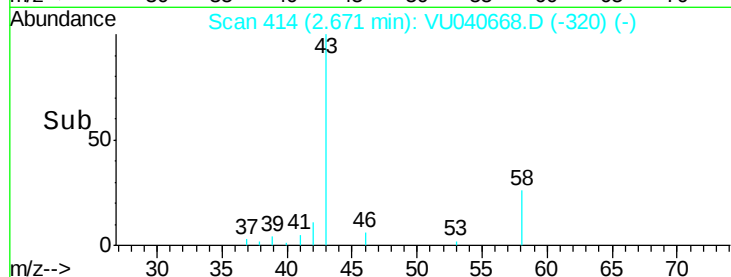
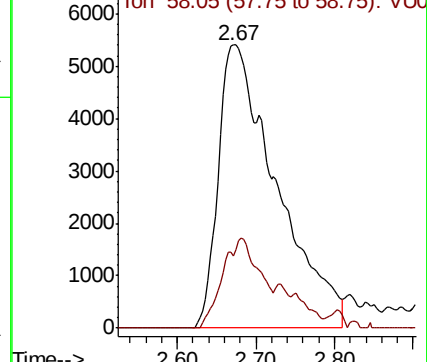
Ion Ratio Lower Upper

43 100

58 20.7 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU040668.D (-320) (-)



#25

Chloroform

Concen: 0.508 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.01 min

Lab File: VU040668.D

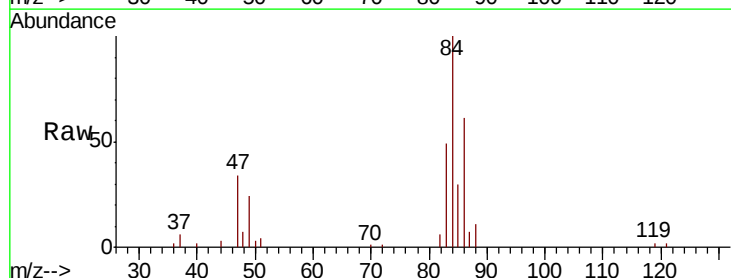
Acq: 12 Oct 2020 18:52

Tgt Ion: 83 Resp: 9477

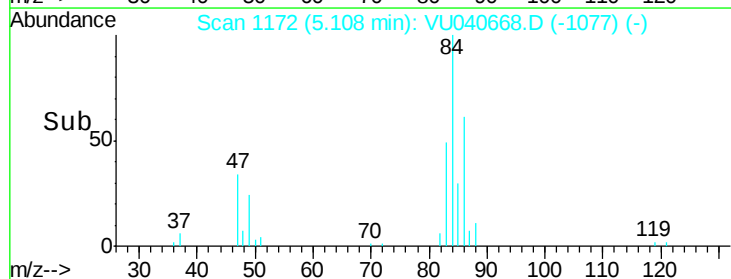
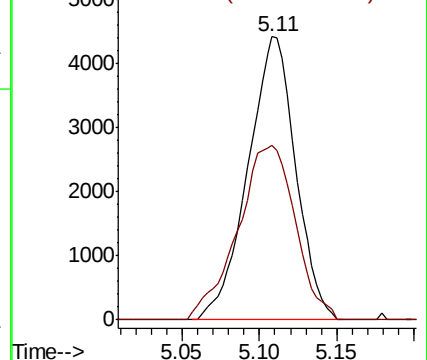
Ion Ratio Lower Upper

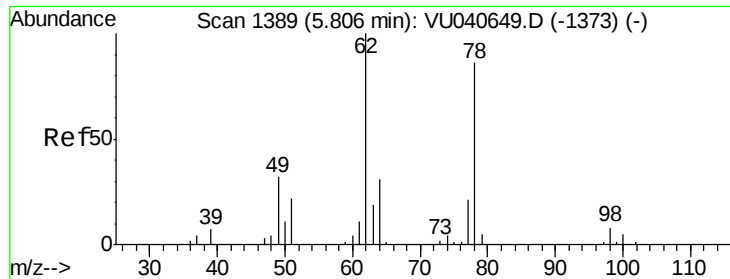
83 100

85 61.8 46.5 86.5



Abundance Ion 83.05 (82.75 to 83.75): VU040668.D (-1077) (-)

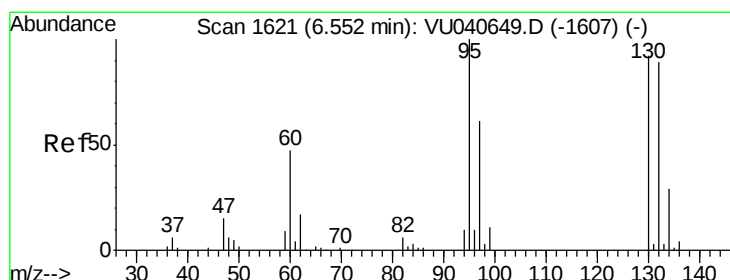
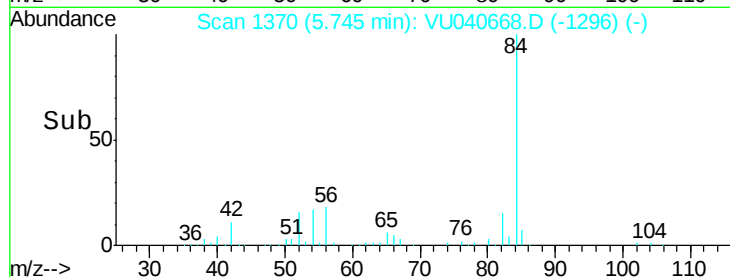
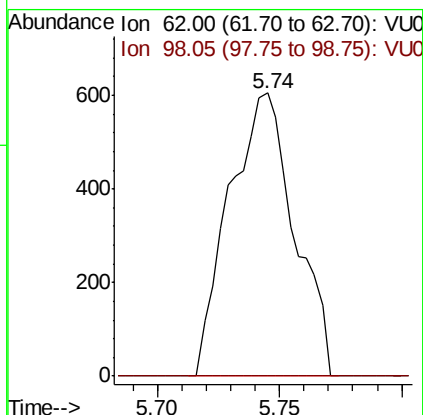
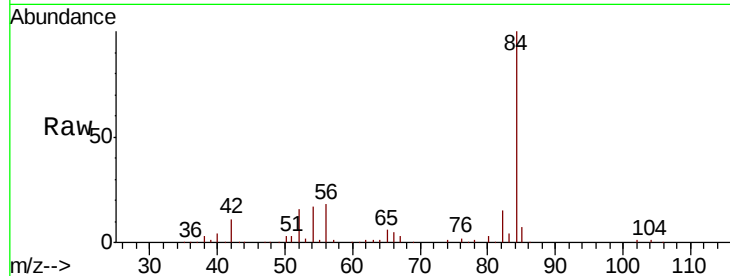




#27
 1,2-Dichloroethane
 Concen: 0.085 ug/L
 RT: 5.74 min Scan# 1370
 Delta R.T. -0.06 min
 Lab File: VU040668.D
 Acq: 12 Oct 2020 18:52

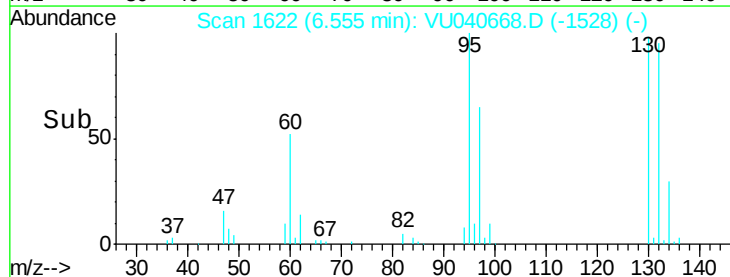
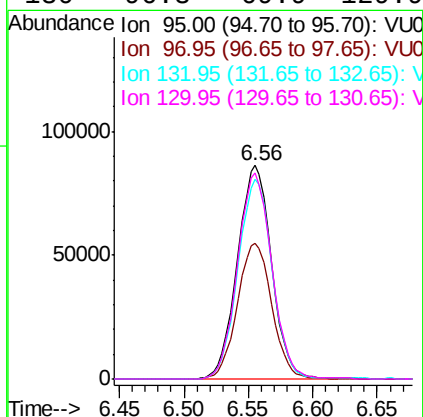
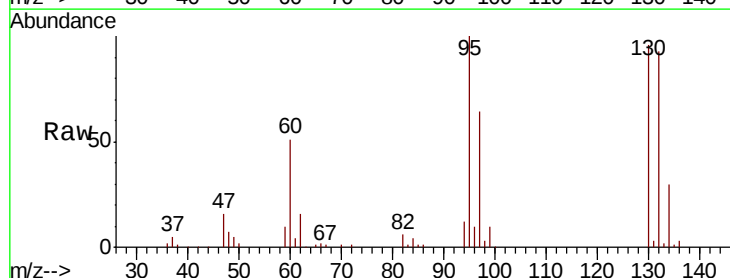
Instrument :
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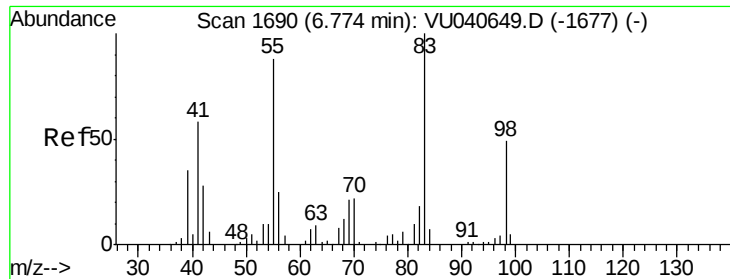
Tot Ion: 62 Resp: 1121
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



#34
 Trichloroethene
 Concen: 15.479 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU040668.D
 Acq: 12 Oct 2020 18:52

Tgt Ion: 95 Resp: 159283
 Ion Ratio Lower Upper
 95 100
 97 63.6 45.5 84.5
 132 93.5 67.5 125.4
 130 96.3 69.9 129.9

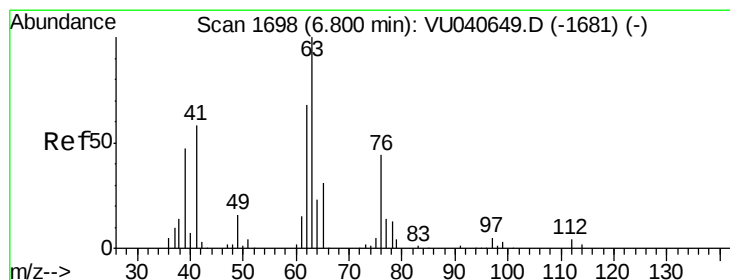
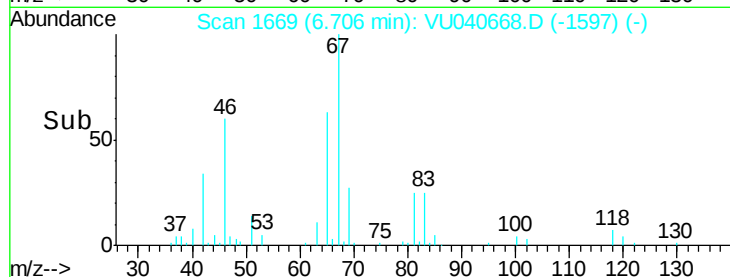
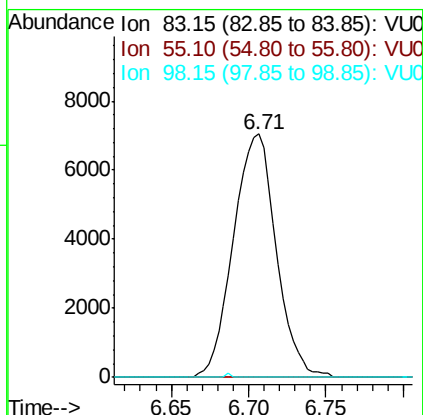
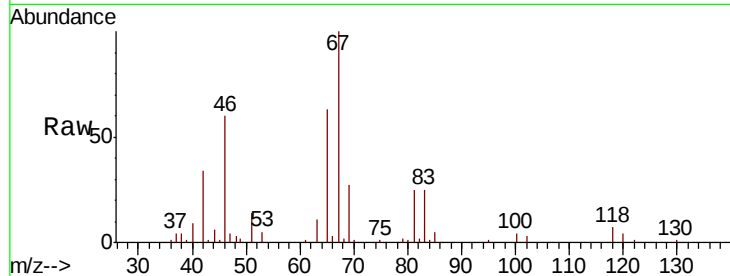




#35
Methvlcvclohexane
Concen: 0.930 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.07 min
Lab File: VU040668.D
Acq: 12 Oct 2020 18:52

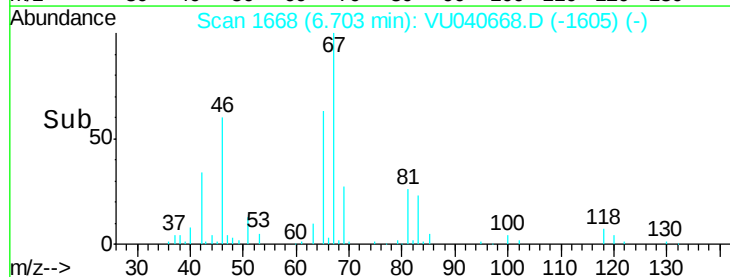
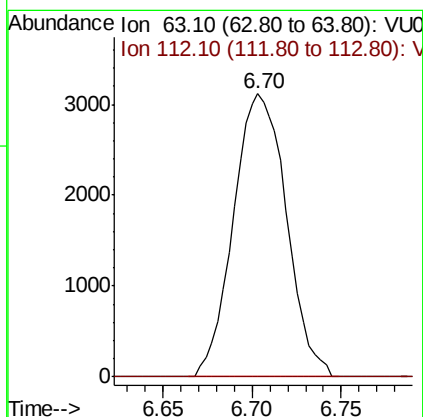
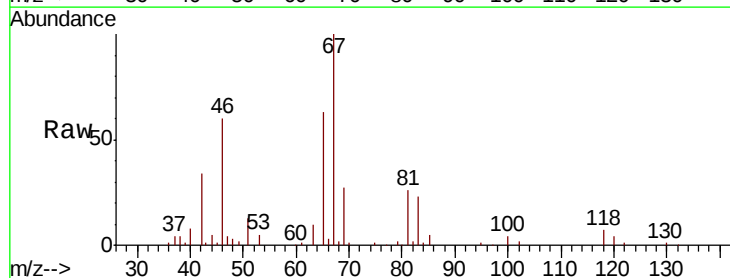
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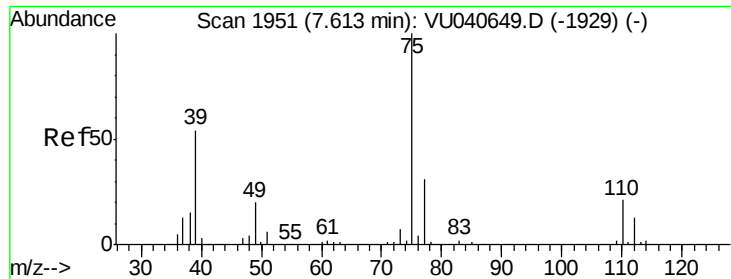
Tot Ion: 83 Resp: 13577
Ion Ratio Lower Upper
83 100
55 0.0 70.7 106.1#
98 0.0 38.4 57.6#



#37
1,2-Dichloropropane
Concen: 0.583 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040668.D
Acq: 12 Oct 2020 18:52

Tgt Ion: 63 Resp: 6447
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



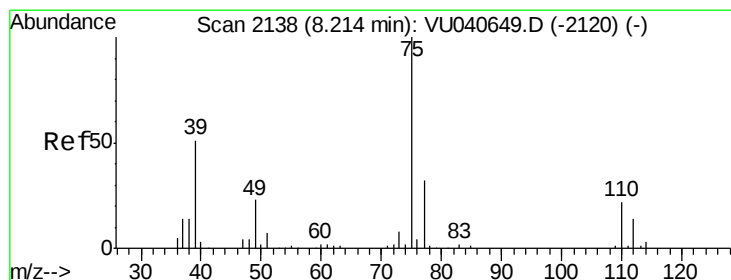
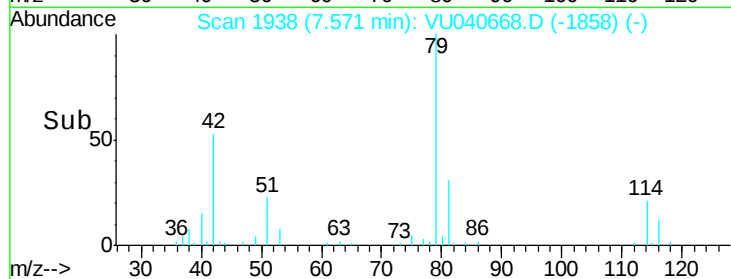
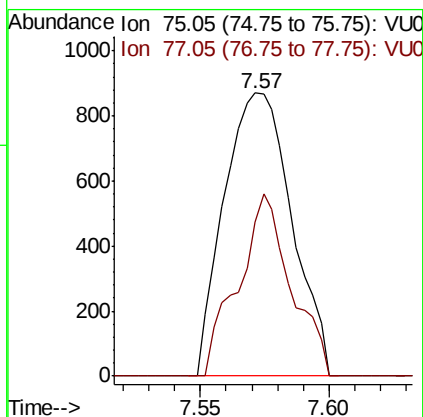
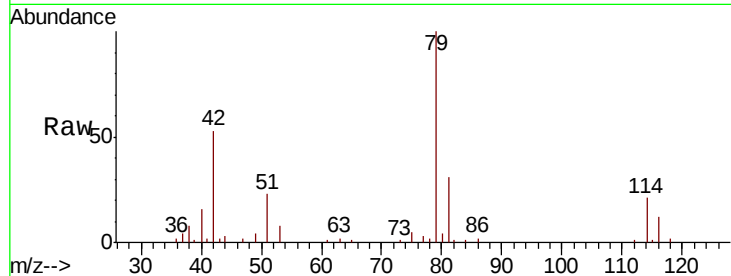


#39

cis-1,3-Dichloropropene
 Concen: 0.105 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU040668.D
 Acq: 12 Oct 2020 18:52

Instrument :
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 ClientSampleId :
 YAQY8

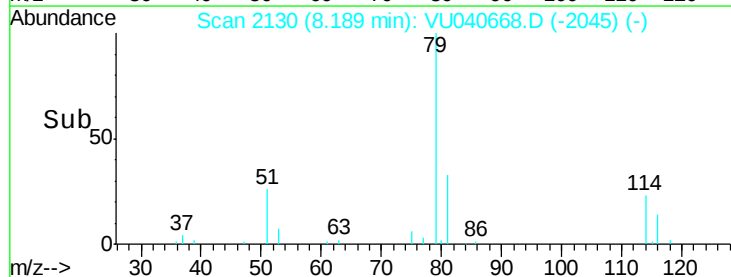
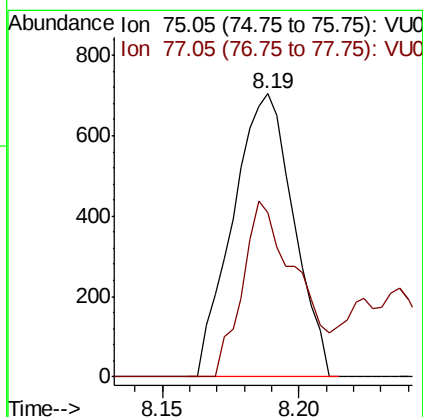
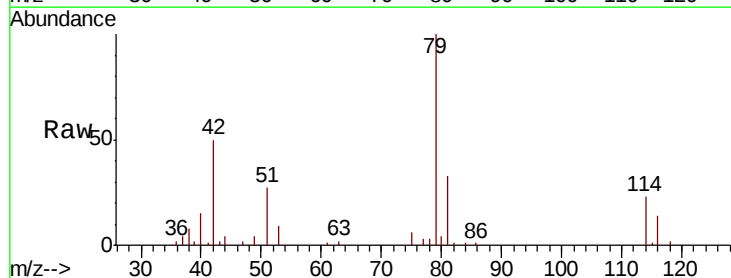
Tot Ion: 75 Resp: 1592
 Ion Ratio Lower Upper
 75 100
 77 54.4 20.5 38.1#

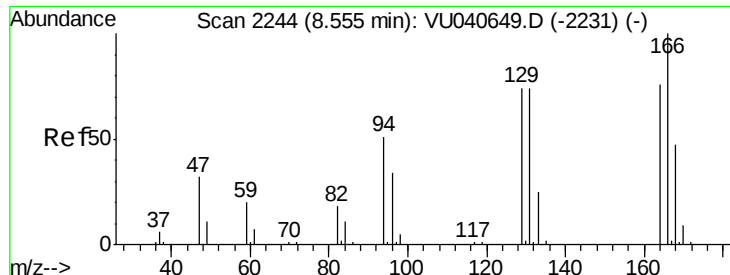


#44

trans-1,3-Dichloropropene
 Concen: 0.078 ug/L
 RT: 8.19 min Scan# 2130
 Delta R.T. -0.03 min
 Lab File: VU040668.D
 Acq: 12 Oct 2020 18:52

Tgt Ion: 75 Resp: 1088
 Ion Ratio Lower Upper
 75 100
 77 58.1 20.4 38.0#





#47

Tetrachloroethene

Concen: 5.122 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040668.D

Acq: 12 Oct 2020 18:52

Instrument :

MSVOA_U

ClientSampleId :

YAQY8

Tot Ion:164 Resp: 37602

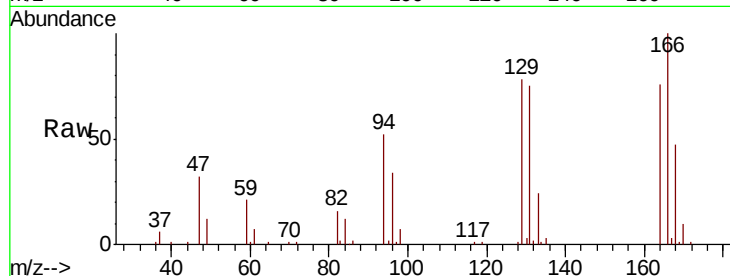
Ion Ratio Lower Upper

164 100

129 102.5 68.8 127.8

131 98.5 66.7 123.9

166 130.9 83.9 155.7

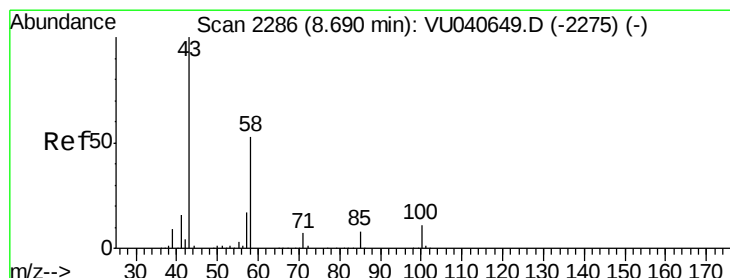
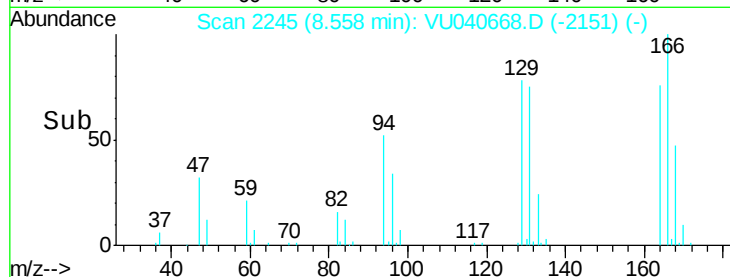
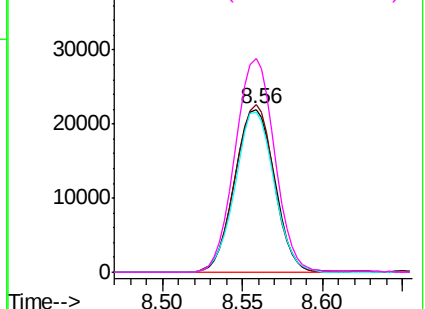


Abundance Ion 163.90 (163.60 to 164.60): V

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



#48

2-Hexanone

Concen: 2.609 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU040668.D

Acq: 12 Oct 2020 18:52

Tgt Ion: 43 Resp: 17127

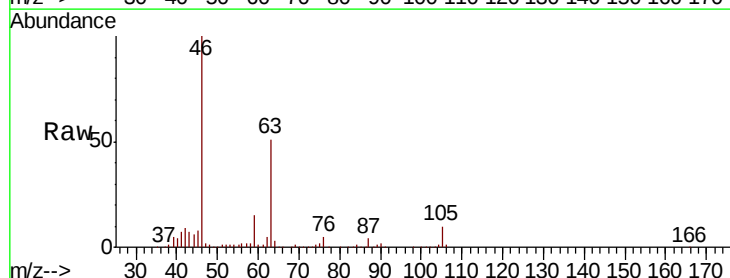
Ion Ratio Lower Upper

43 100

58 30.7 41.0 61.6#

57 31.1 14.4 21.6#

100 0.7 8.6 13.0#

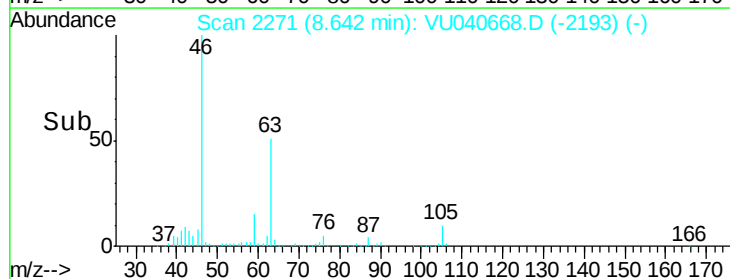
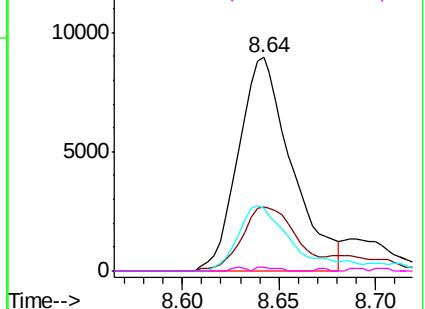


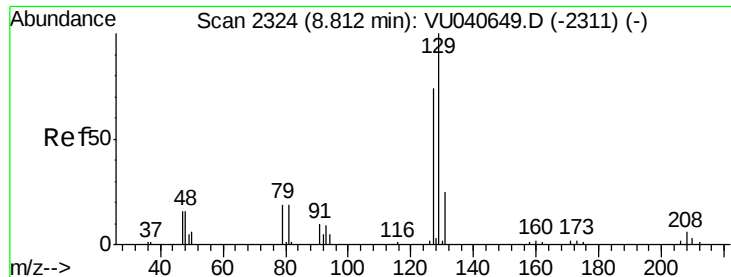
Abundance Ion 43.05 (42.75 to 43.75): VU0

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





#49

Dibromochloromethane

Concen: 3.936 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU040668.D

Acq: 12 Oct 2020 18:52

Instrument :

MSVOA_U

ClientSampleId :

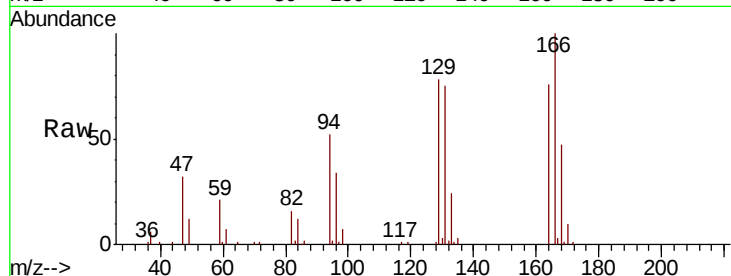
YAQY8

Tot Ion:129 Resp: 37519

Ion Ratio Lower Upper

129 100

127 0.0 55.8 103.6#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.56

25000

20000

15000

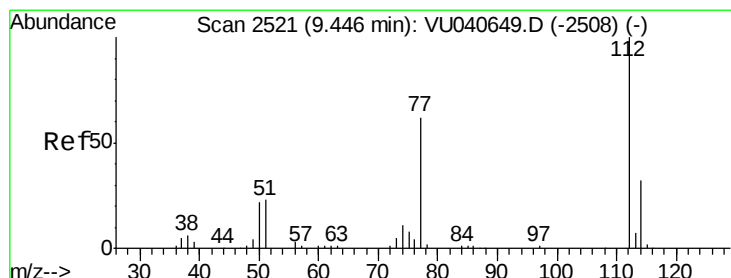
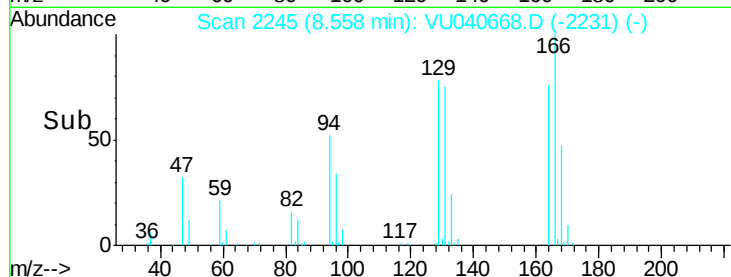
10000

5000

0

8.50 8.55 8.60

Time-->



#51

Chlorobenzene

Concen: 0.075 ug/L

RT: 9.45 min Scan# 2523

Delta R.T. 0.01 min

Lab File: VU040668.D

Acq: 12 Oct 2020 18:52

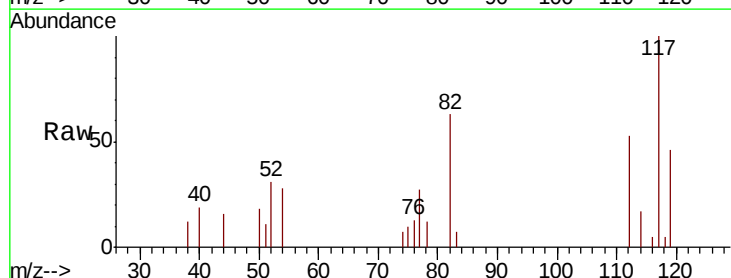
Tgt Ion:112 Resp: 1988

Ion Ratio Lower Upper

112 100

114 32.5 23.1 42.9

77 49.9 50.3 75.5#



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): VU0

1500

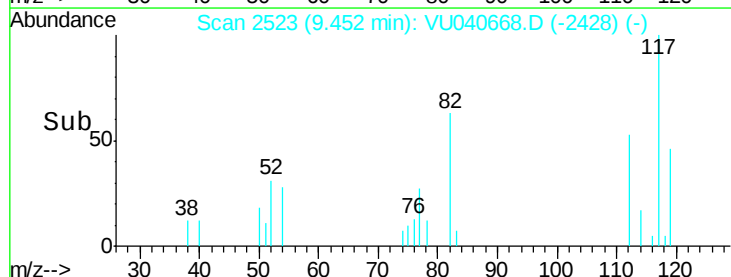
1000

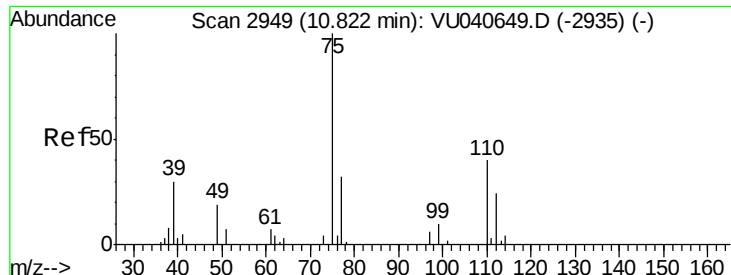
500

0

9.40 9.45 9.50

Time-->





#59

1,2,3-Trichloropropane

Concen: 0.849 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040668.D

Acq: 12 Oct 2020 18:52

Instrument :

MSVOA_U

ClientSampleId :

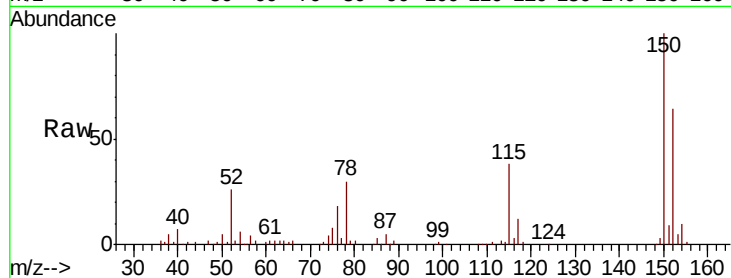
YAQY8

Tot Ion: 75 Resp: 6897

Ion Ratio Lower Upper

75 100

77 38.5 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

