

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U103020\
 Data File : VU041038.D
 Acq On : 30 Oct 2020 13:06
 Operator : SY/MD
 Sample : L4558-02REDL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0BP5DLRE

Quant Time: Oct 31 00:02:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 30 23:53:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	59553	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	60349	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	25225	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	13853	2.77	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	55.40%
7) Chloroethane-d5	1.93	69	12140	3.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	63.20%#
11) 1,1-Dichloroethene-d2	2.58	63	21345	2.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	43.60%#
20) 2-Butanone-d5	4.67	46	80109	48.62	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.24%
24) Chloroform-d	5.08	84	31330	3.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	70.80%
26) 1,2-Dichloroethane-d4	5.72	65	21189	3.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.20%
32) Benzene-d6	5.74	84	52124	3.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	64.60%#
36) 1,2-Dichloropropane-d6	6.70	67	19939	3.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	75.80%
41) Toluene-d8	7.91	98	41090	2.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	56.20%#
43) trans-1,3-Dichloropropene-	8.19	79	7511	3.30	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	66.00%
46) 2-Hexanone-d5	8.64	63	51346	41.87	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.74%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	20331	4.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	17375	3.93	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	78.60%#

Target Compounds

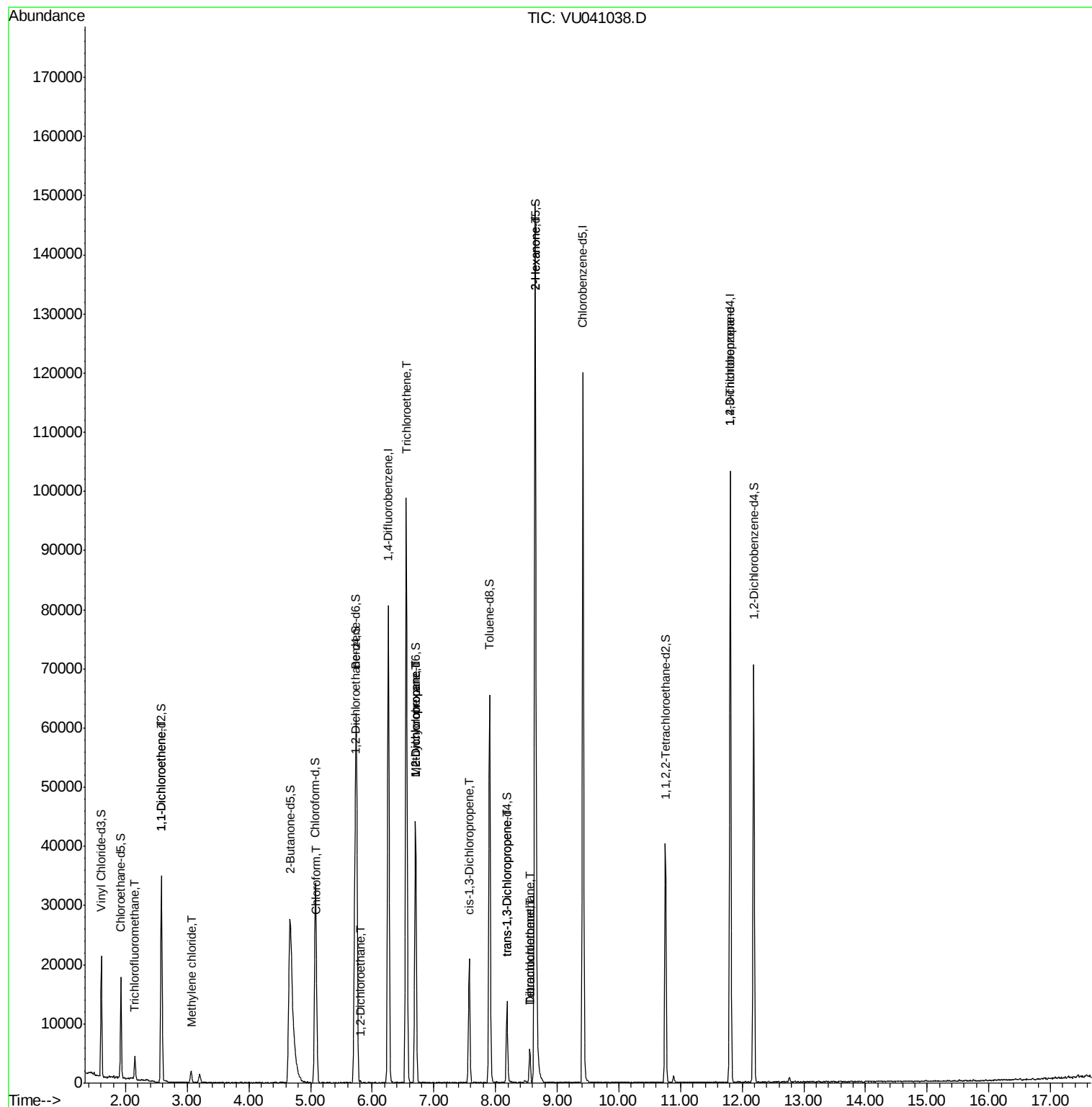
					Ovalue
9) Trichlorofluoromethane	2.15	101	2453	0.323 ug/L	100
12) 1,1-Dichloroethene	2.59	96	509	0.121 ug/L #	1
16) Methylene chloride	3.06	84	866	0.177 ug/L	87
25) Chloroform	5.11	83	745	0.087 ug/L	83
27) 1,2-Dichloroethane	5.81	62	420	0.066 ug/L #	74
34) Trichloroethene	6.55	95	32730	7.132 ug/L	99
35) Methylcyclohexane	6.70	83	4803	0.702 ug/L #	13
37) 1,2-Dichloropropane	6.70	63	2184	0.448 ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	495	0.074 ug/L #	52
44) trans-1,3-Dichloropropene	8.18	75	333	0.053 ug/L #	41
47) Tetrachloroethene	8.56	164	1146	0.340 ug/L	90
48) 2-Hexanone	8.64	43	8219	2.806 ug/L #	72
49) Dibromochloromethane	8.56	129	1137	0.270 ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	3480	0.957 ug/L	89

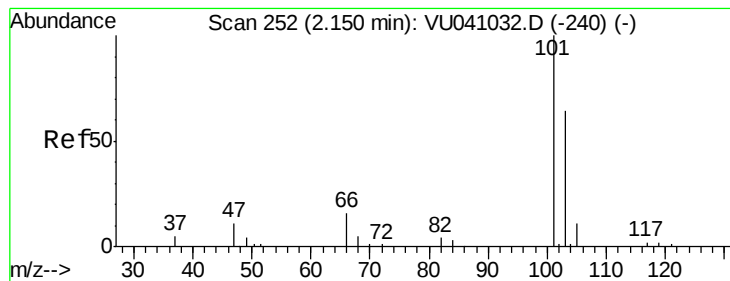
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 30 23:53:53 2020
Response via : Initial Calibration





#9

Trichlorofluoromethane

Concen: 0.323 ug/L

RT: 2.15 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU041038.D

Acq: 30 Oct 2020 13:06

Instrument :

MSVOA_U

ClientSampleId :

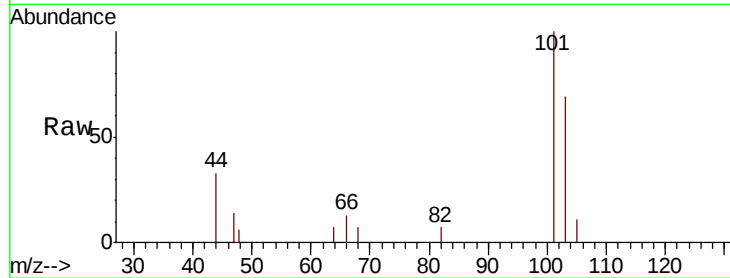
C0BP5DLRE

Tot Ion:101 Resp: 2453

Ion Ratio Lower Upper

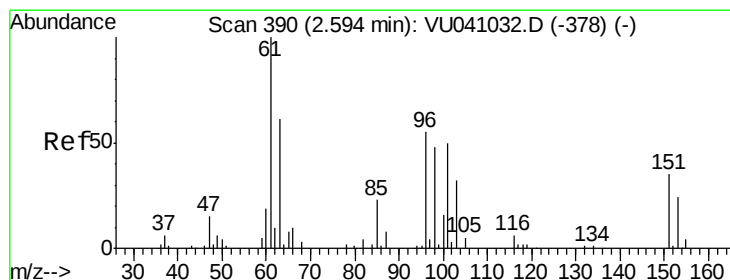
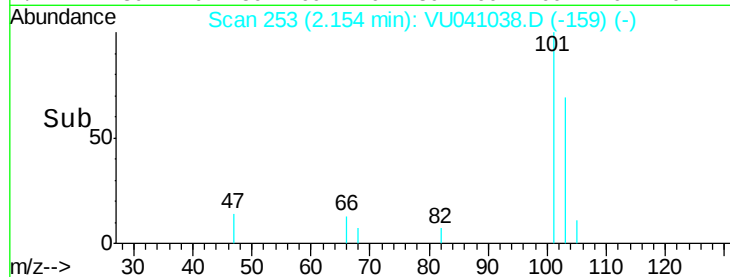
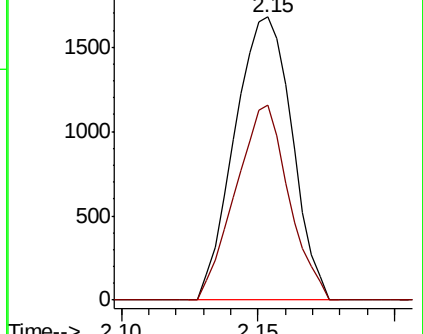
101 100

103 64.0 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1-Dichloroethene

Concen: 0.121 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.01 min

Lab File: VU041038.D

Acq: 30 Oct 2020 13:06

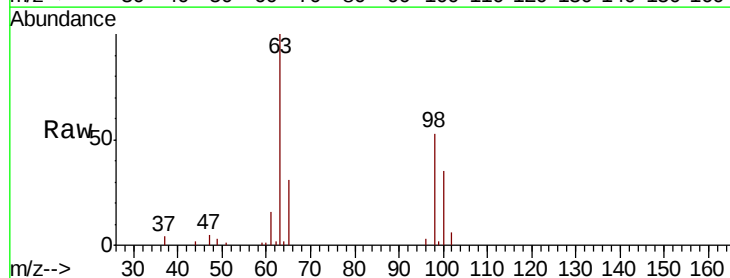
Tgt Ion: 96 Resp: 509

Ion Ratio Lower Upper

96 100

61 566.6 134.3 249.5#

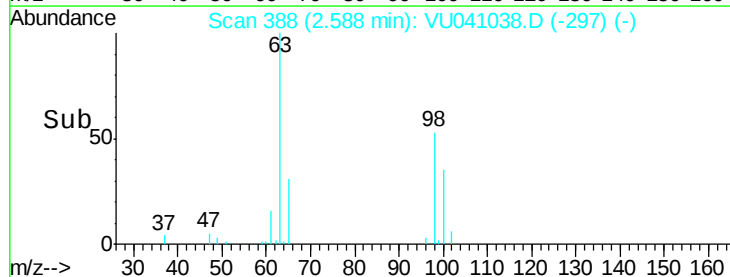
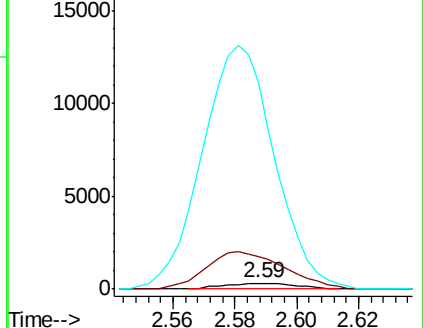
63 3584.7 95.0 176.4#

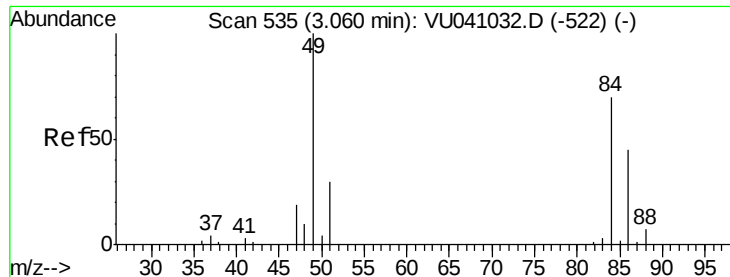


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

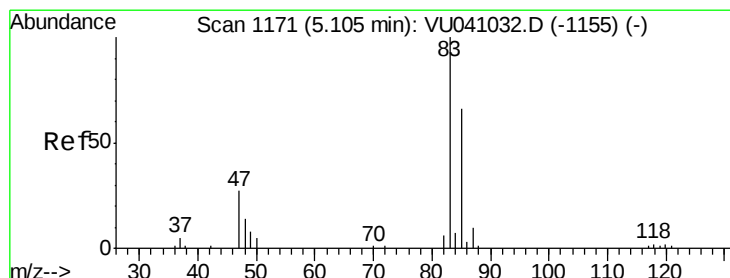
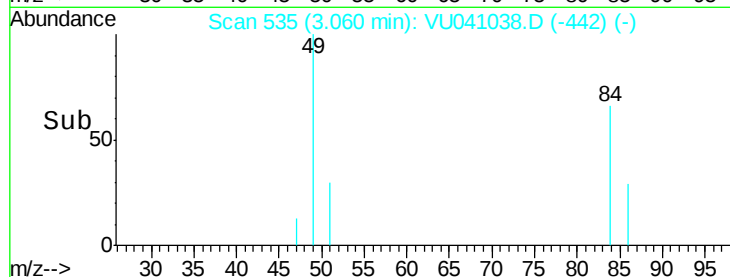
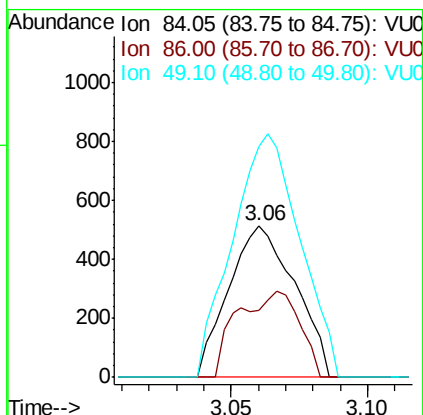
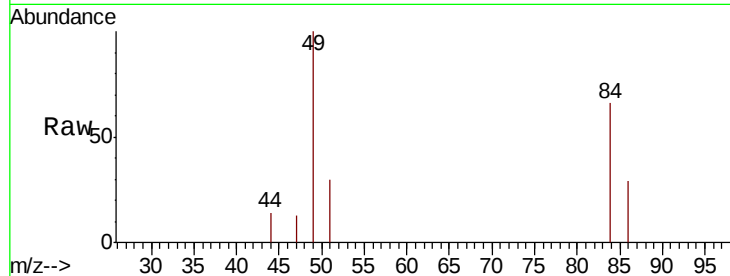




#16
Methvlene chloride
Concen: 0.177 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041038.D
Acq: 30 Oct 2020 13:06

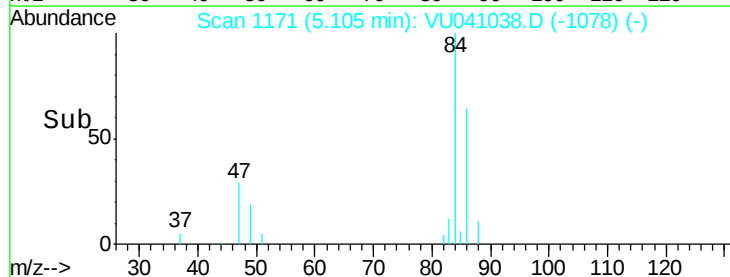
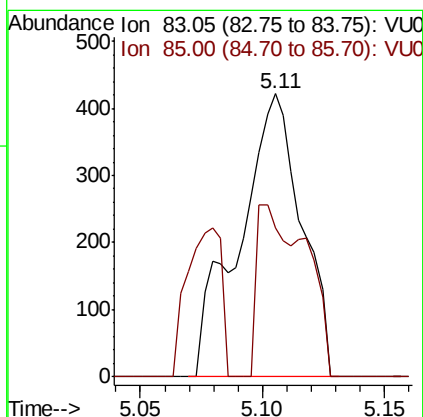
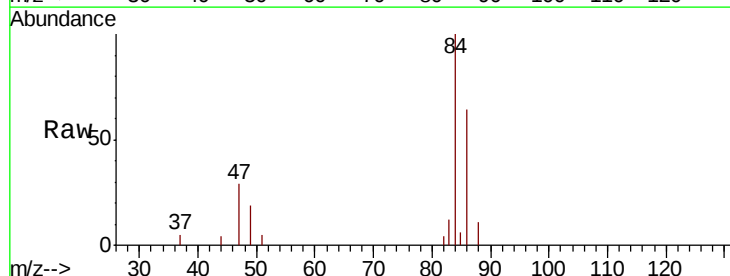
Instrument :
MSVOA_U
ClientSampleId :
C0BP5DLRE

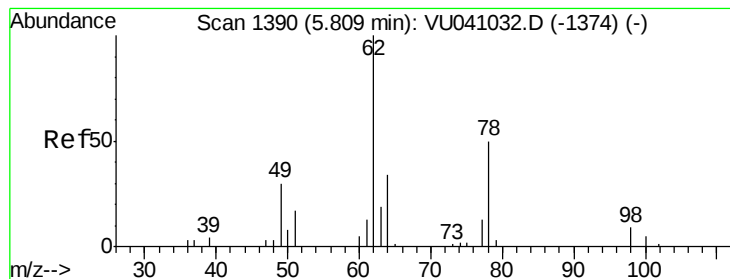
Tot Ion: 84 Resp: 866
Ion Ratio Lower Upper
84 100
86 44.1 42.8 79.6
49 152.2 99.5 184.7



#25
Chloroform
Concen: 0.087 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041038.D
Acq: 30 Oct 2020 13:06

Tgt Ion: 83 Resp: 745
Ion Ratio Lower Upper
83 100
85 52.6 46.1 85.7





#27

1,2-Dichloroethane

Concen: 0.066 ug/L

RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VU041038.D

Acq: 30 Oct 2020 13:06

Instrument :

MSVOA_U

ClientSampleId :

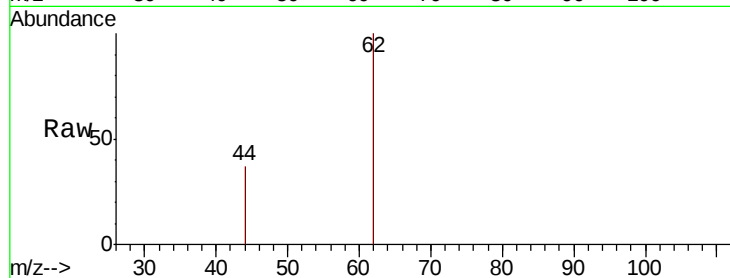
C0BP5DLRE

Tot Ion: 62 Resp: 420

Ion Ratio Lower Upper

62 100

98 0.0 7.6 11.4#



Abundance Ion 62.00 (61.70 to 62.70): VU041038.D (-1374) (-)

Ion 98.05 (97.75 to 98.75): VU041038.D (-1374) (-)

5.81

300

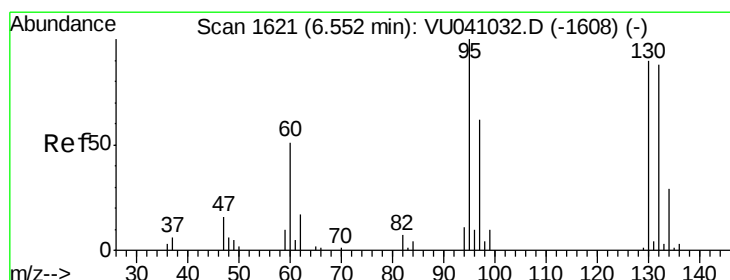
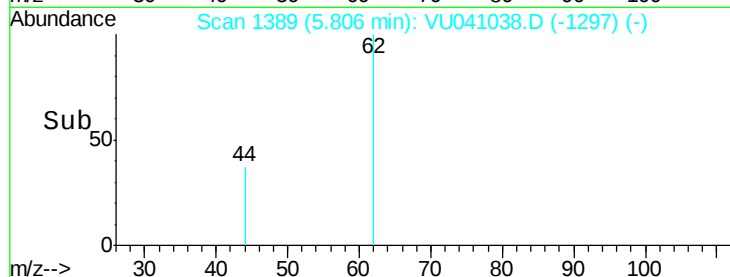
200

100

0

5.78 5.80 5.82 5.84

Time-->



#34

Trichloroethene

Concen: 7.132 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041038.D

Acq: 30 Oct 2020 13:06

Tgt Ion: 95 Resp: 32730

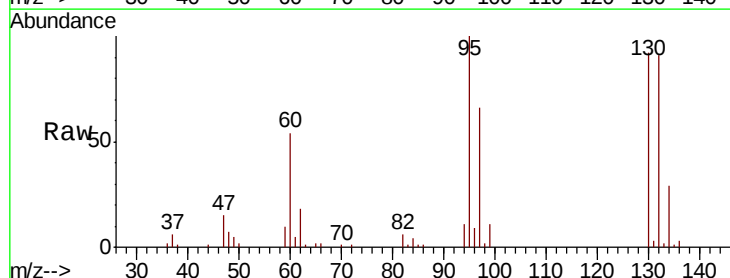
Ion Ratio Lower Upper

95 100

97 66.0 45.6 84.6

132 91.2 64.8 120.4

130 92.4 64.8 120.4



Abundance Ion 95.00 (94.70 to 95.70): VU041038.D (-1608) (-)

Ion 96.95 (96.65 to 97.65): VU041038.D (-1608) (-)

Ion 131.95 (131.65 to 132.65): VU041038.D (-1608) (-)

Ion 129.95 (129.65 to 130.65): VU041038.D (-1608) (-)

6.55

25000

20000

15000

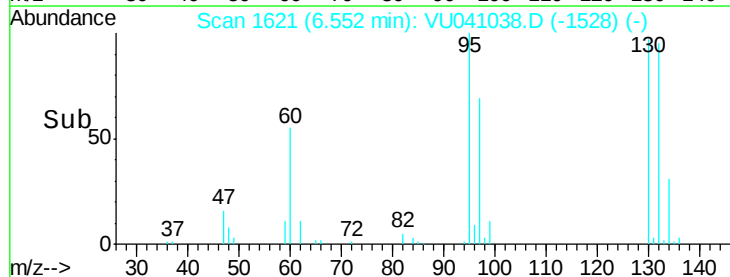
10000

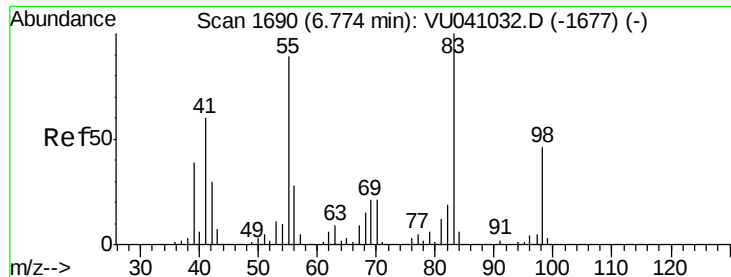
5000

0

6.50 6.55 6.60

Time-->

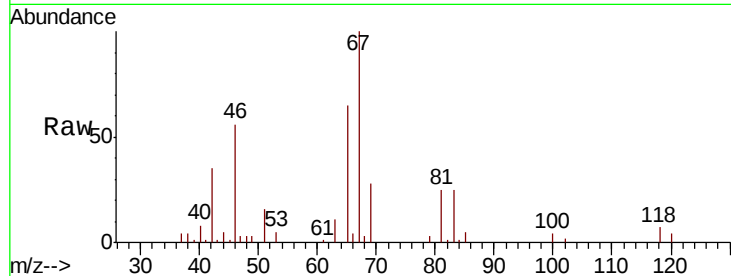




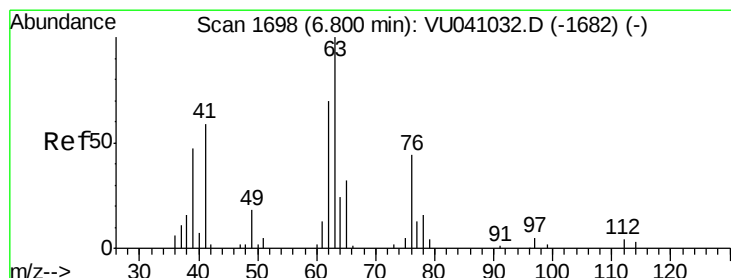
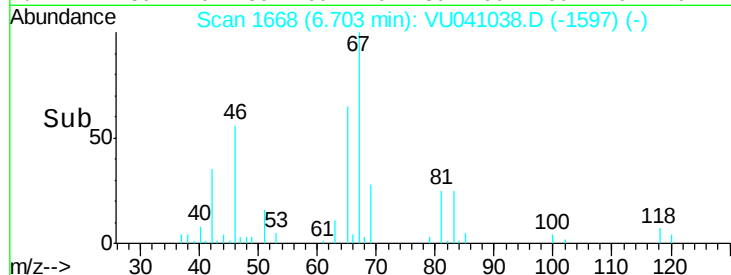
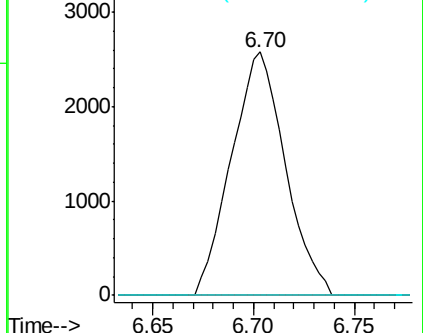
#35
Methvlcvclohexane
Concen: 0.702 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041038.D
Acq: 30 Oct 2020 13:06

Instrument :
MSVOA_U
ClientSampleId :
C0BP5DLRE

Tot Ion: 83 Resp: 4803
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 0.0 36.6 55.0#

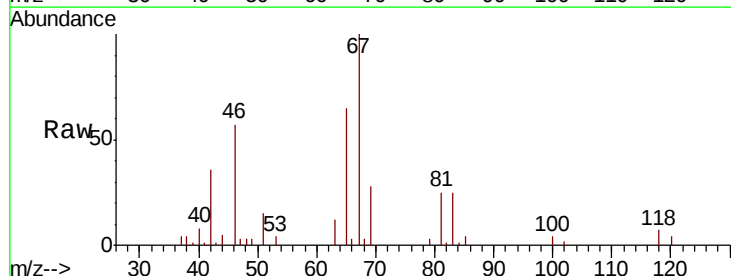


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

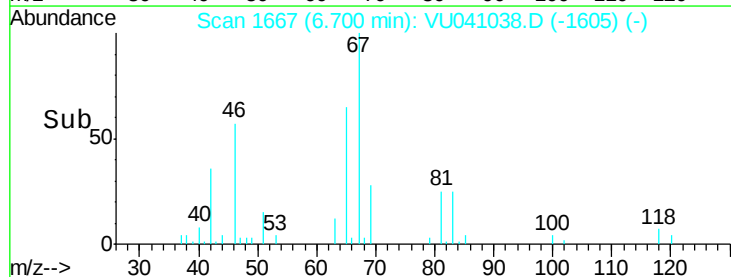
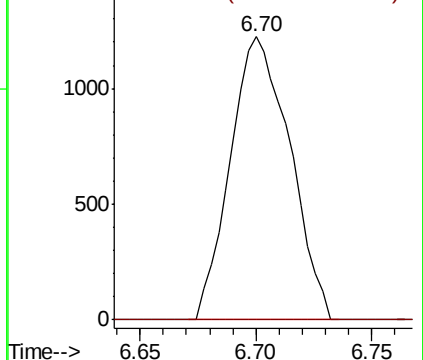


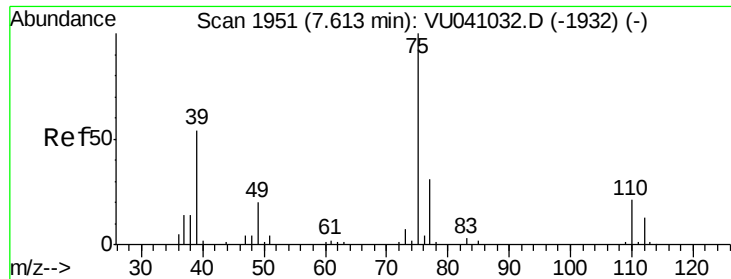
#37
1,2-Dichloropropane
Concen: 0.448 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU041038.D
Acq: 30 Oct 2020 13:06

Tgt Ion: 63 Resp: 2184
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

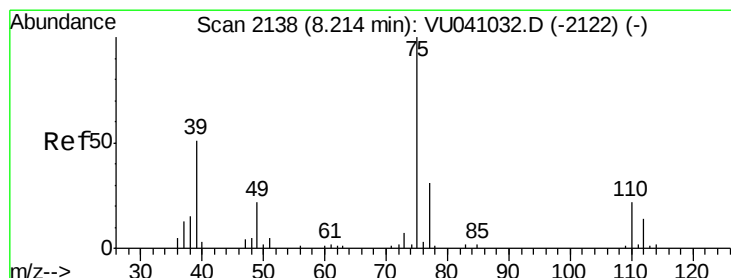
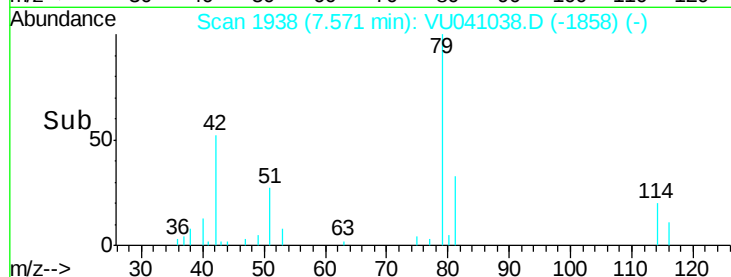
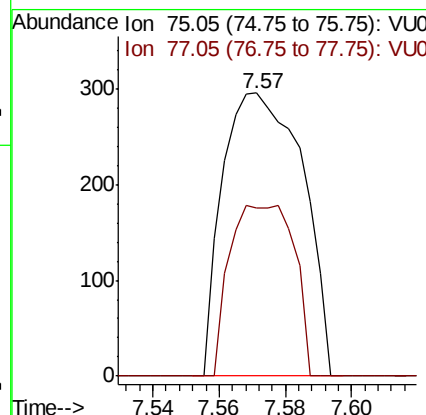
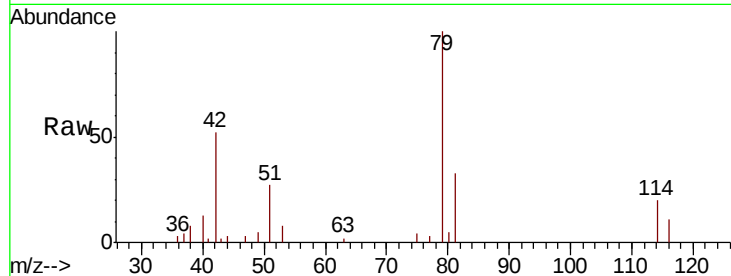




#39
 cis-1,3-Dichloropropene
 Concen: 0.074 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041038.D
 Acq: 30 Oct 2020 13:06

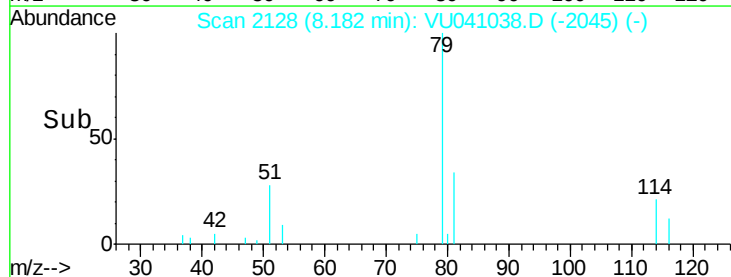
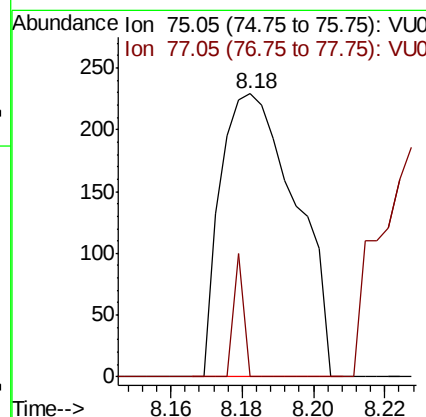
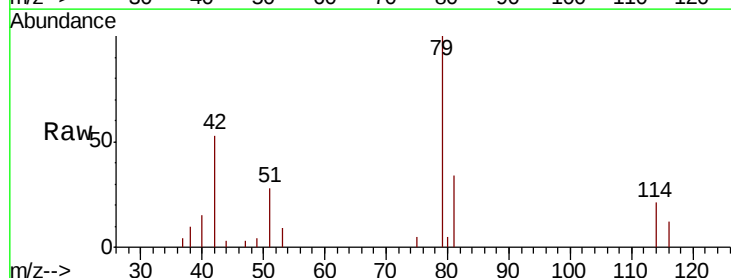
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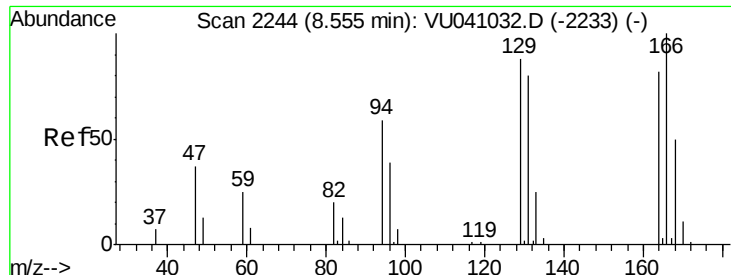
Tot Ion: 75 Resp: 495
 Ion Ratio Lower Upper
 75 100
 77 59.5 22.7 42.3#



#44
 trans-1,3-Dichloropropene
 Concen: 0.053 ug/L
 RT: 8.18 min Scan# 2128
 Delta R.T. -0.03 min
 Lab File: VU041038.D
 Acq: 30 Oct 2020 13:06

Tgt Ion: 75 Resp: 333
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.3 43.3#

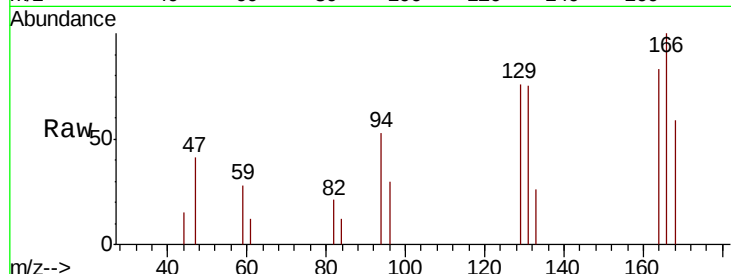




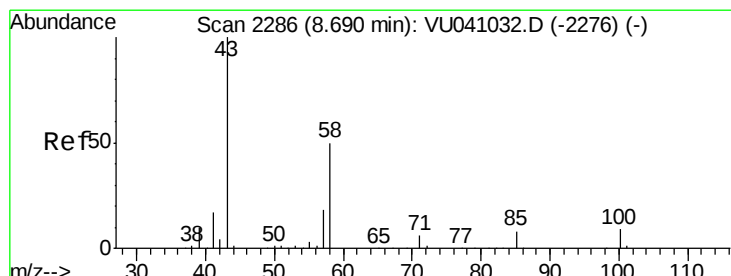
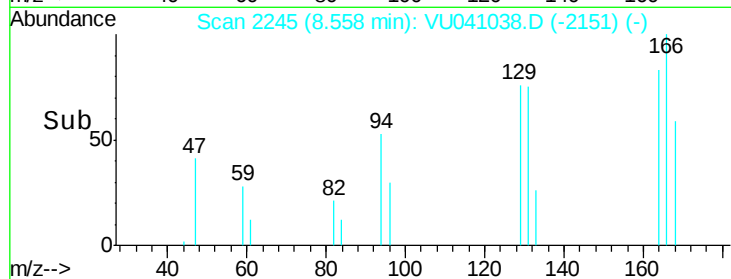
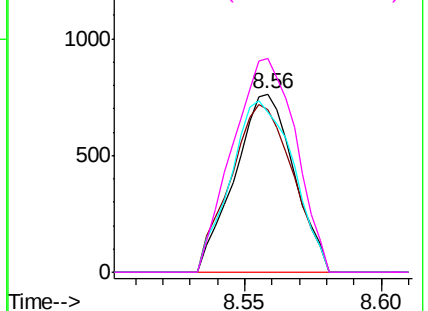
#47
Tetrachloroethene
Concen: 0.340 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU041038.D
Acq: 30 Oct 2020 13:06

Instrument :
MSVOA_U
ClientSampleId :
C0BP5DLRE

Tot Ion:164 Resp: 1146
Ion Ratio Lower Upper
164 100
129 91.2 70.3 130.7
131 90.1 70.8 131.4
166 119.8 92.0 170.8

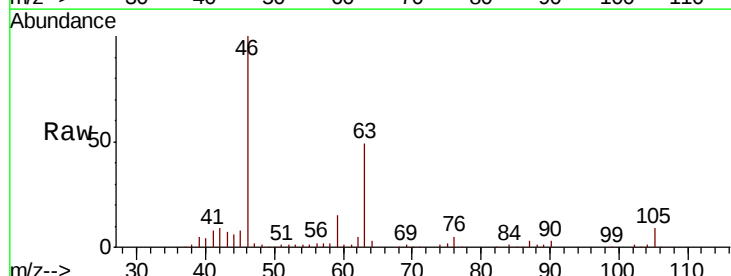


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

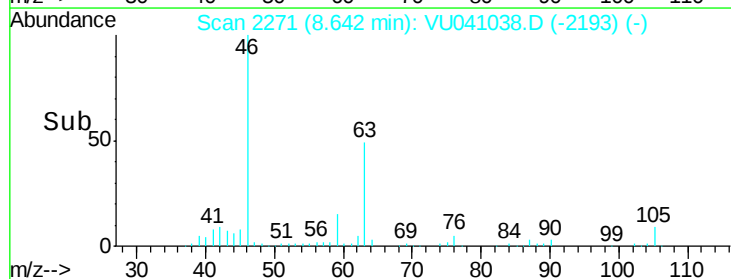
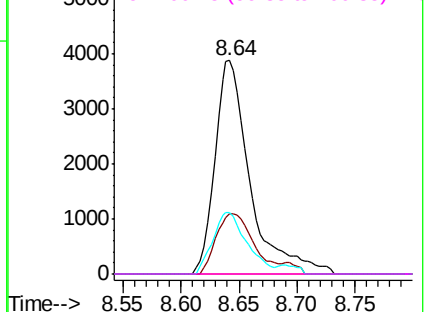


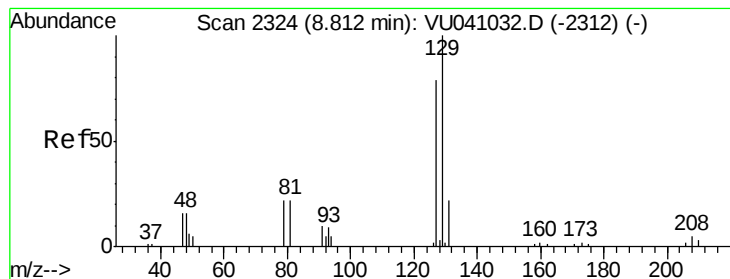
#48
2-Hexanone
Concen: 2.806 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU041038.D
Acq: 30 Oct 2020 13:06

Tgt Ion: 43 Resp: 8219
Ion Ratio Lower Upper
43 100
58 30.1 41.4 62.2#
57 27.9 14.6 21.8#
100 0.0 8.3 12.5#



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: 0.270 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU041038.D

Acq: 30 Oct 2020 13:06

Instrument :

MSVOA_U

ClientSampleId :

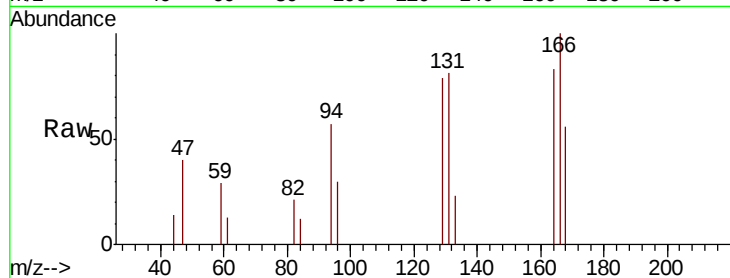
C0BP5DLRE

Tot Ion:129 Resp: 1137

Ion Ratio Lower Upper

129 100

127 0.0 53.4 99.2#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.56

800

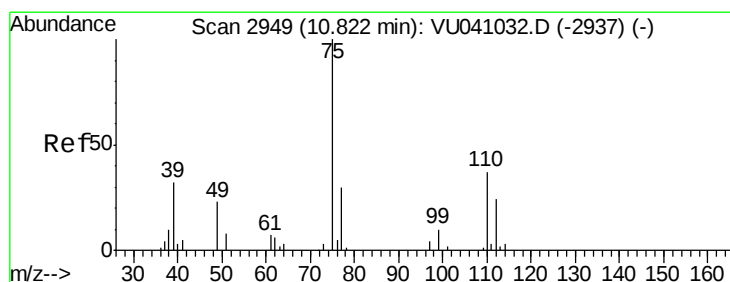
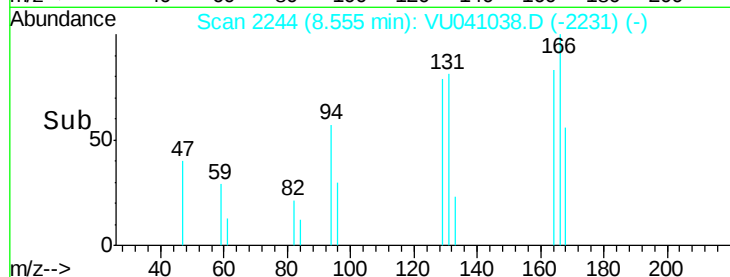
600

400

200

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 0.957 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041038.D

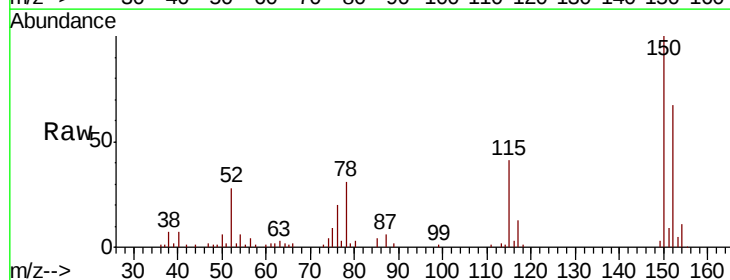
Acq: 30 Oct 2020 13:06

Tgt Ion: 75 Resp: 3480

Ion Ratio Lower Upper

75 100

77 38.0 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.81

2500

2000

1500

1000

500

0

Time-->

