

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110620\
 Data File : VU041123.D
 Acq On : 06 Nov 2020 19:22
 Operator : SY/MD
 Sample : L4648-05DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AB2DL

Quant Time: Nov 06 23:12:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 06 23:04:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	70345	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	75272	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	31762	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	17594	2.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	59.60%
7) Chloroethane-d5	1.92	69	15828	3.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	69.80%
11) 1,1-Dichloroethene-d2	2.58	63	28032	2.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	48.40%#
20) 2-Butanone-d5	4.66	46	77721	39.94	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	79.88%
24) Chloroform-d	5.08	84	41382	3.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.20%
26) 1,2-Dichloroethane-d4	5.72	65	25504	3.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.80%
32) Benzene-d6	5.74	84	72839	3.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	72.40%
36) 1,2-Dichloropropane-d6	6.70	67	25680	3.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	78.40%
41) Toluene-d8	7.91	98	60909	3.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	66.80%#
43) trans-1,3-Dichloropropene-	8.19	79	10081	3.55	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	71.00%
46) 2-Hexanone-d5	8.64	63	55984	36.60	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	73.20%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	23202	3.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	76.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	25774	4.62	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.40%

Target Compounds

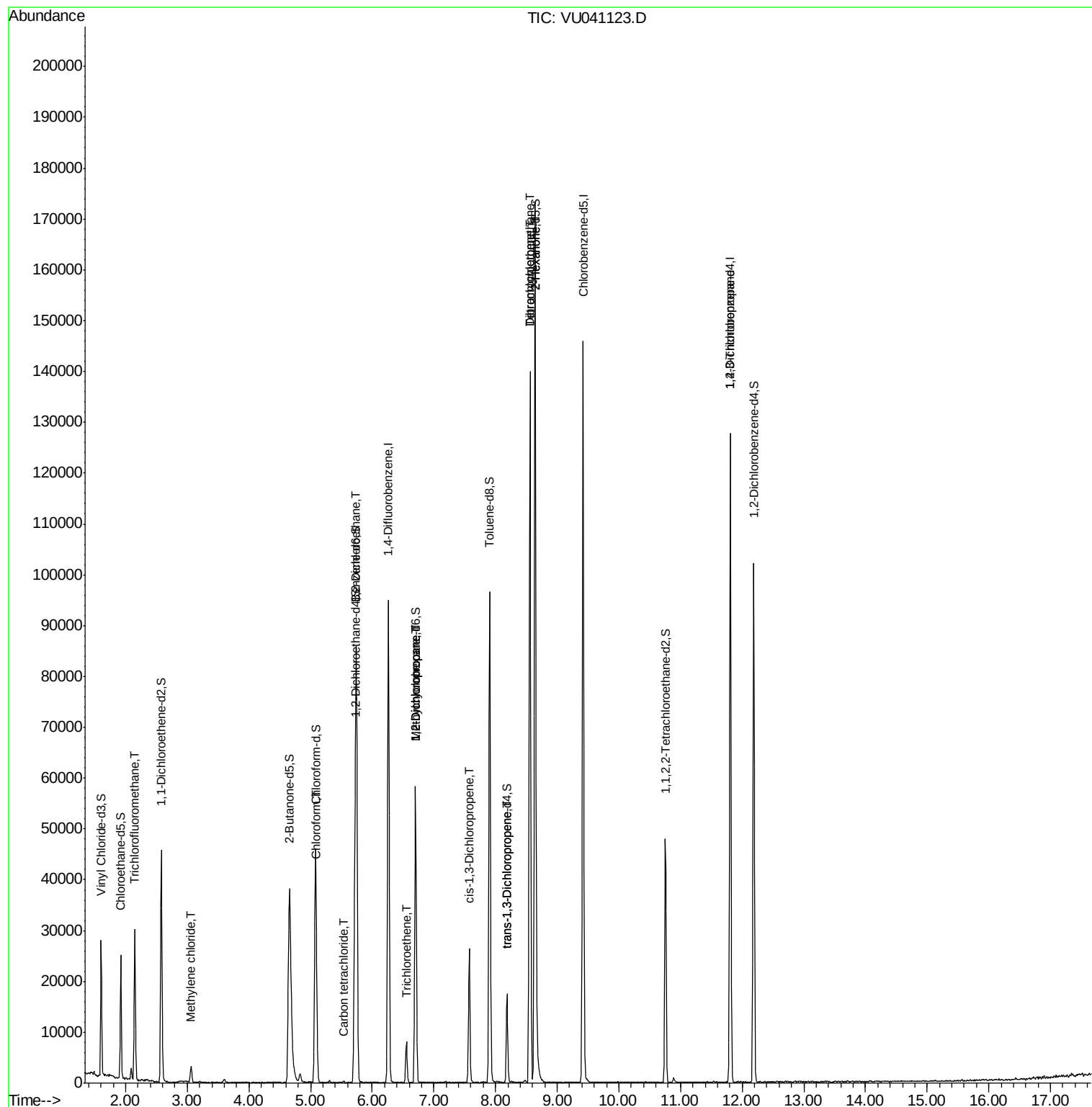
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	2.15	101	18504	2.061	ug/L	96
16) Methylene chloride	3.06	84	1387	0.240	ug/L	90
25) Chloroform	5.10	83	1348	0.133	ug/L	100
27) 1,2-Dichloroethane	5.74	62	557	0.074	ug/L #	74
31) Carbon tetrachloride	5.55	117	364	0.045	ug/L #	58
34) Trichloroethene	6.56	95	2410	0.421	ug/L	88
35) Methylcyclohexane	6.70	83	5879	0.689	ug/L #	15
37) 1,2-Dichloropropane	6.70	63	2863	0.470	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	705	0.084	ug/L	84
44) trans-1,3-Dichloropropene	8.18	75	515	0.066	ug/L	91
47) Tetrachloroethene	8.56	164	28559	6.786	ug/L	97
48) 2-Hexanone	8.64	43	9151	2.505	ug/L #	71
49) Dibromochloromethane	8.56	129	28809	5.476	ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	4266	0.941	ug/L	91

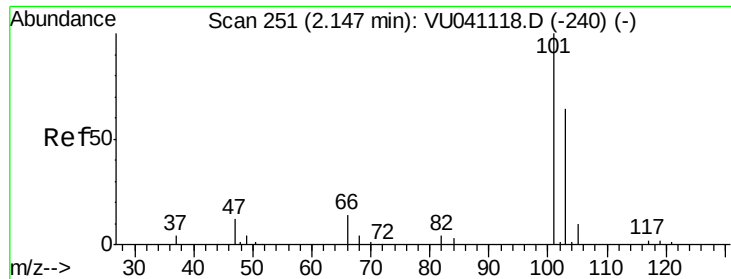
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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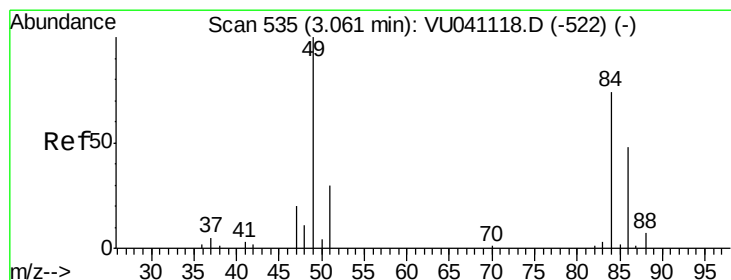
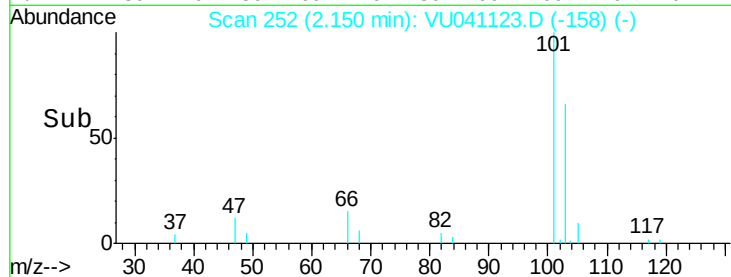
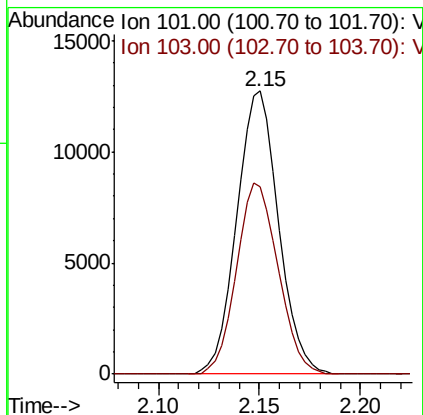
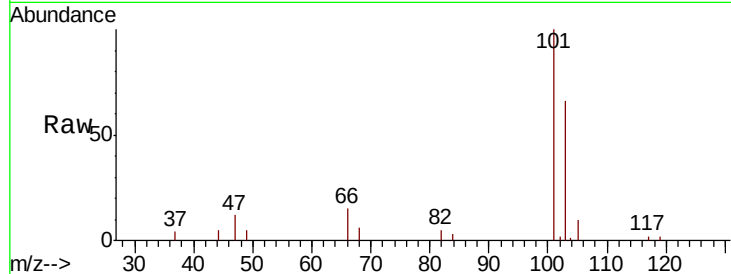


#9

Trichlorofluoromethane
 Concen: 2.061 ug/L
 RT: 2.15 min Scan# 252
 Delta R.T. 0.00 min
 Lab File: VU041123.D
 Acq: 06 Nov 2020 19:22

Instrument :
 MSVOA_U
 ClientSampled :
 C0AB2DL

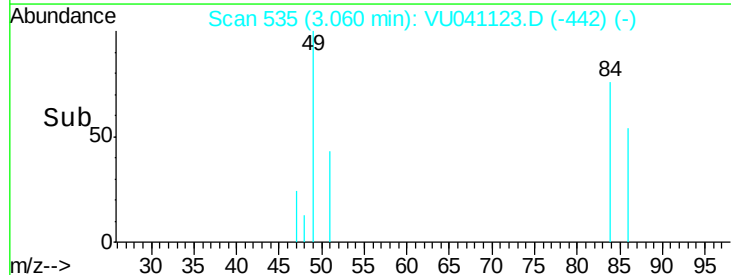
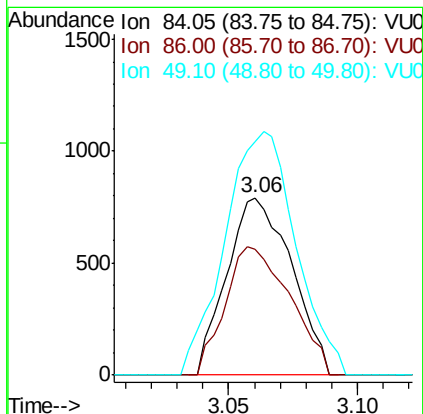
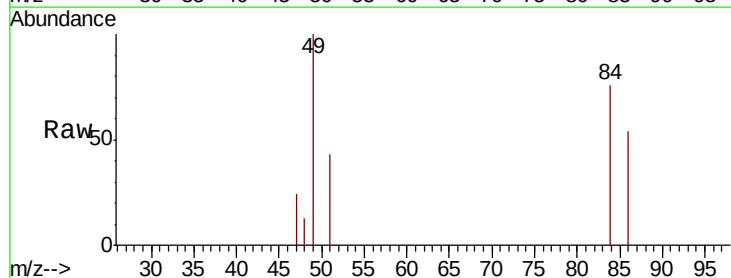
Tot Ion:101 Resp: 18504
 Ion Ratio Lower Upper
 101 100
 103 67.1 51.0 76.4

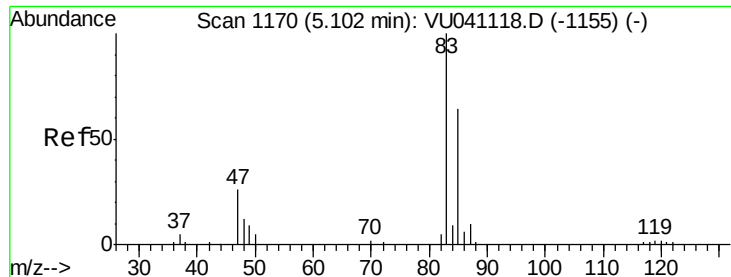


#16

Methylene chloride
 Concen: 0.240 ug/L
 RT: 3.06 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VU041123.D
 Acq: 06 Nov 2020 19:22

Tgt Ion: 84 Resp: 1387
 Ion Ratio Lower Upper
 84 100
 86 70.8 42.8 79.6
 49 131.7 99.5 184.7

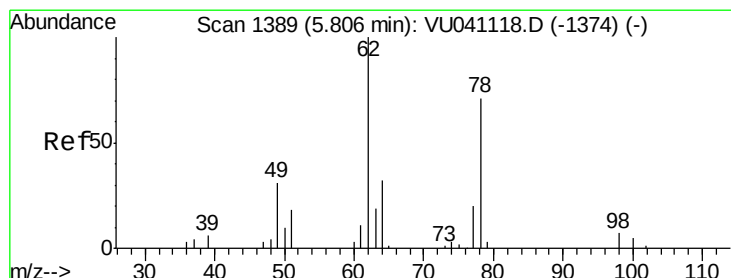
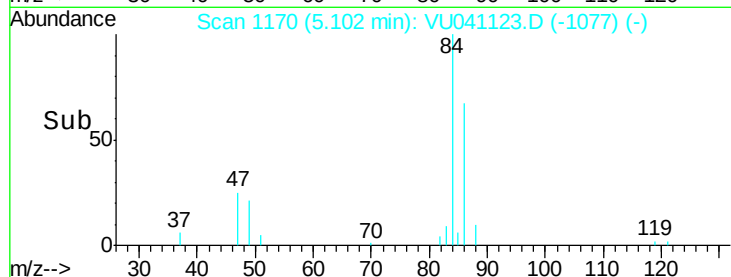
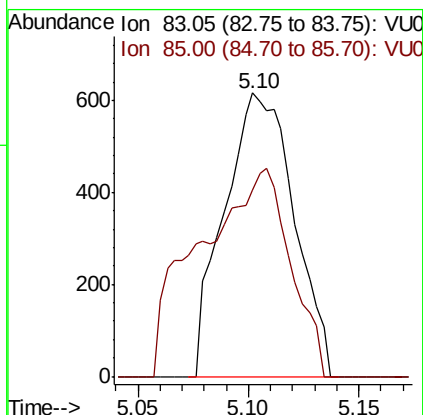
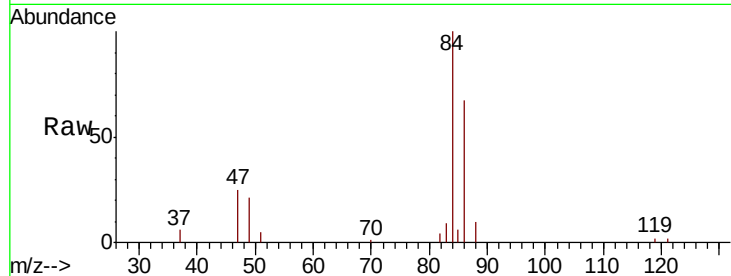




#25
Chloroform
Concen: 0.133 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041123.D
Acq: 06 Nov 2020 19:22

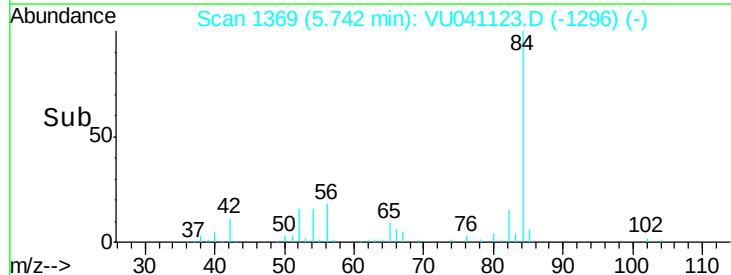
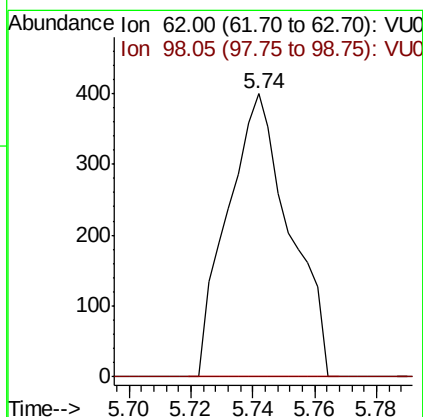
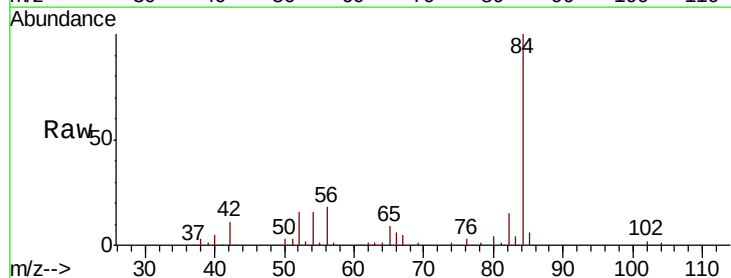
Instrument :
MSVOA_U
ClientSampleId :
C0AB2DL

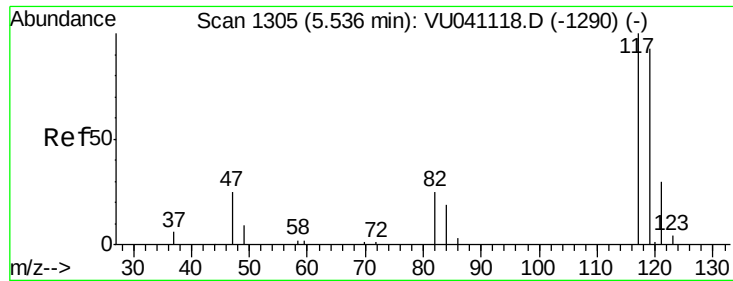
Tot Ion: 83 Resp: 1348
Ion Ratio Lower Upper
83 100
85 65.6 46.1 85.7



#27
1,2-Dichloroethane
Concen: 0.074 ug/L
RT: 5.74 min Scan# 1369
Delta R.T. -0.06 min
Lab File: VU041123.D
Acq: 06 Nov 2020 19:22

Tgt Ion: 62 Resp: 557
Ion Ratio Lower Upper
62 100
98 0.0 7.6 11.4#





#31

Carbon tetrachloride

Concen: 0.045 ug/L

RT: 5.55 min Scan# 1308

Delta R.T. 0.01 min

Lab File: VU041123.D

Acq: 06 Nov 2020 19:22

Instrument :

MSVOA_U

ClientSampleId :

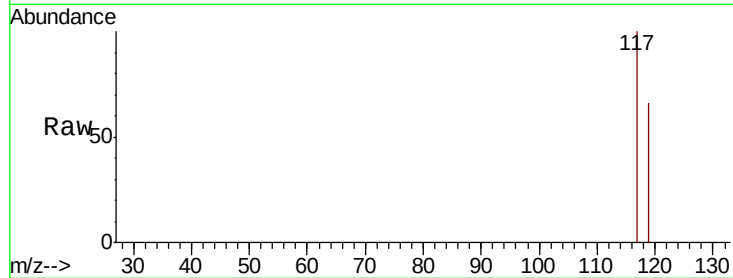
C0AB2DL

Tot Ion:117 Resp: 364

Ion Ratio Lower Upper

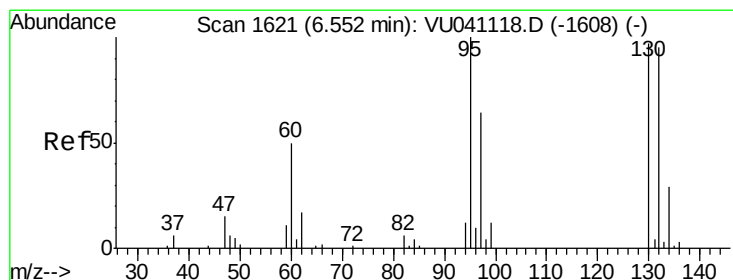
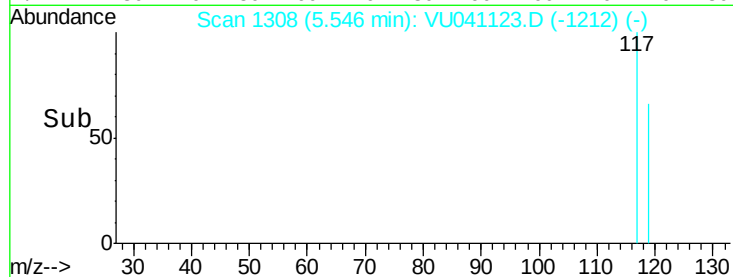
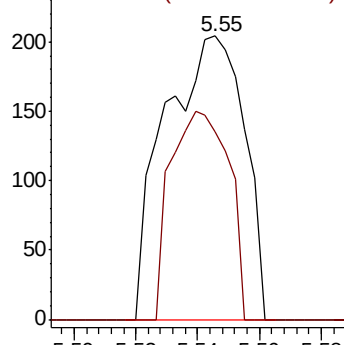
117 100

119 53.8 76.1 114.1#



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 0.421 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU041123.D

Acq: 06 Nov 2020 19:22

Tgt Ion: 95 Resp: 2410

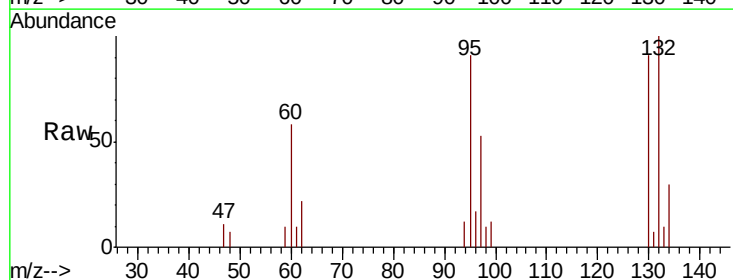
Ion Ratio Lower Upper

95 100

97 58.9 45.6 84.6

132 110.3 64.8 120.4

130 100.7 64.8 120.4

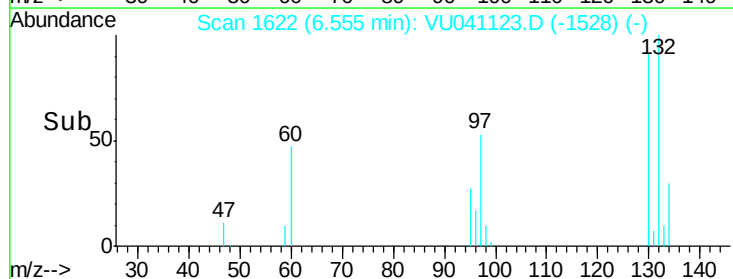
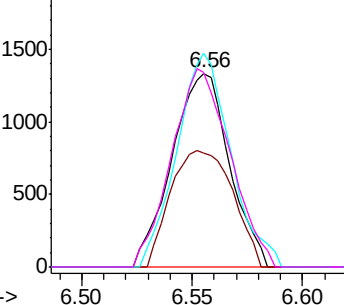


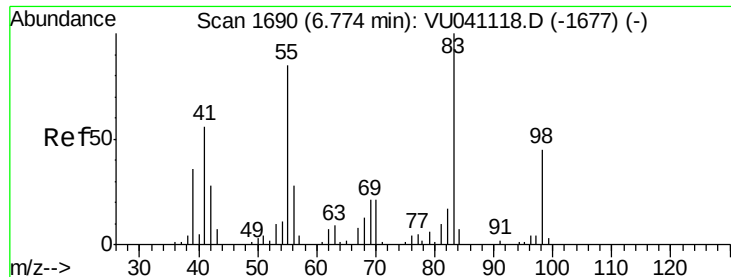
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0

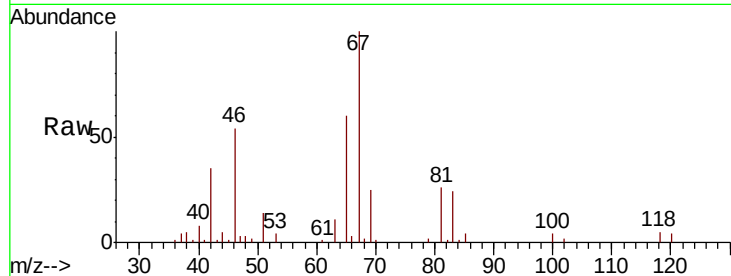




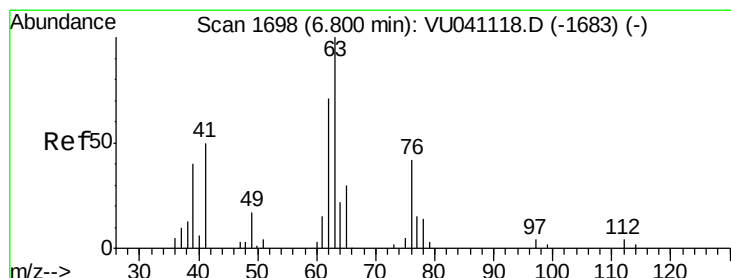
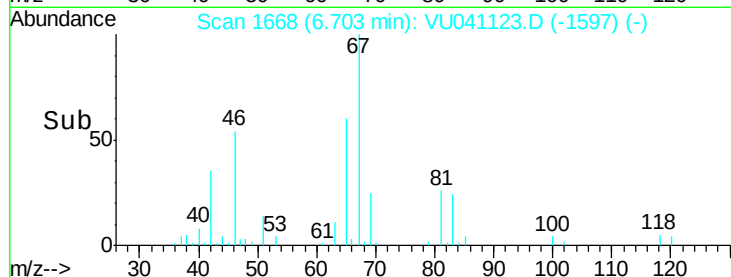
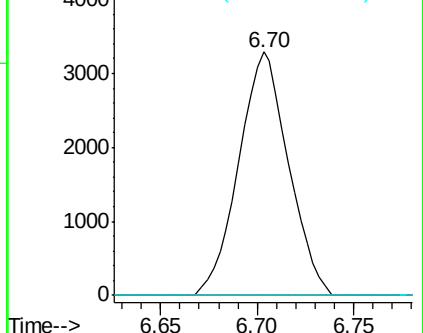
#35
Methylcyclohexane
Concen: 0.689 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041123.D
Acq: 06 Nov 2020 19:22

Instrument :
MSVOA_U
ClientSampleId :
C0AB2DL

Tot Ion: 83 Resp: 5879
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 3.8 36.6 55.0#

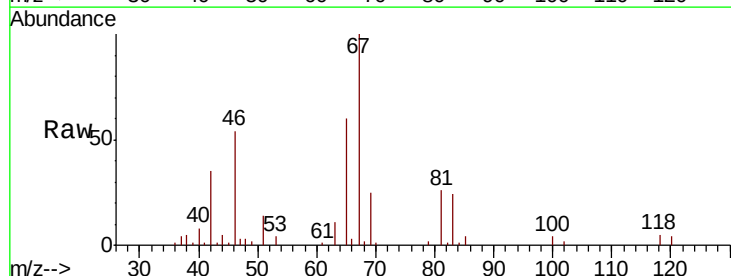


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

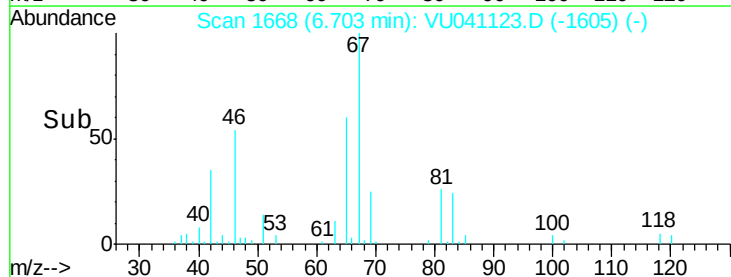
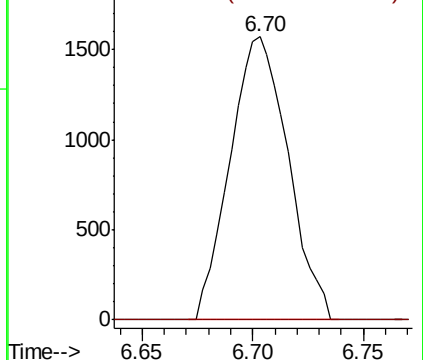


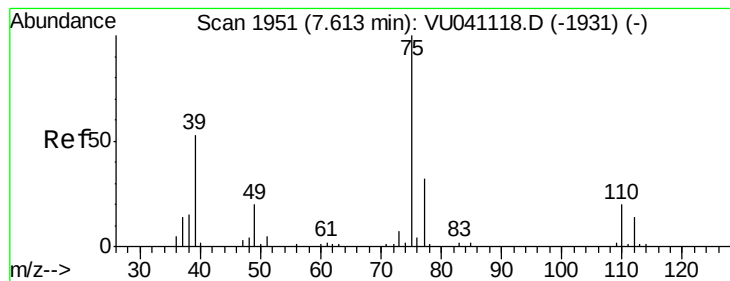
#37
1,2-Dichloropropane
Concen: 0.470 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041123.D
Acq: 06 Nov 2020 19:22

Tgt Ion: 63 Resp: 2863
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



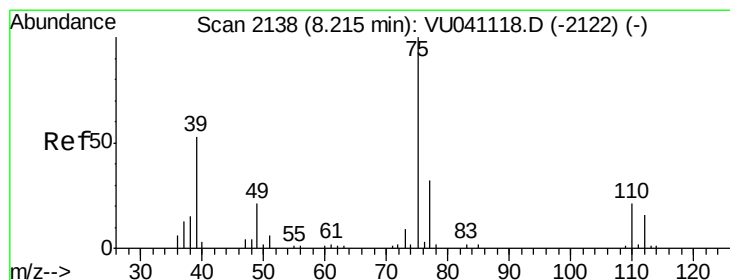
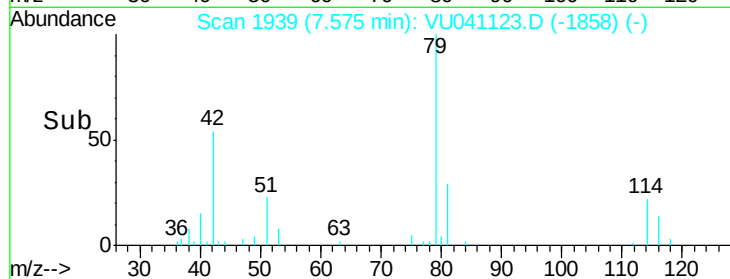
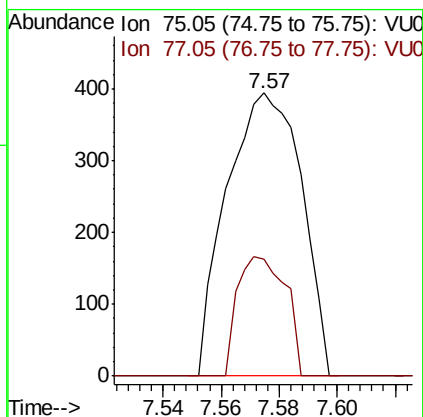
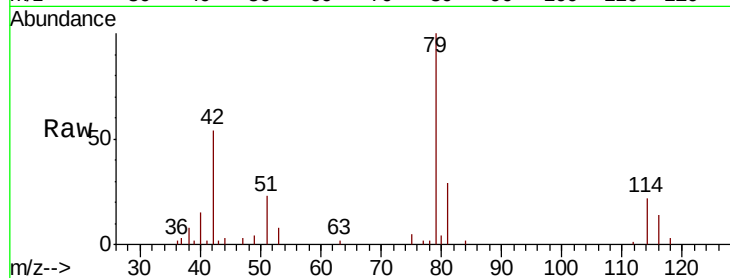


#39

cis-1,3-Dichloropropene
 Concen: 0.084 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041123.D
 Acq: 06 Nov 2020 19:22

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 C0AB2DL

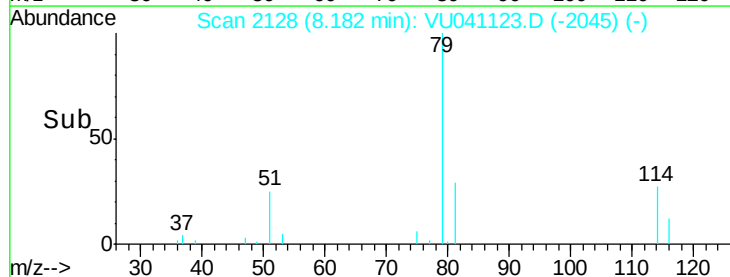
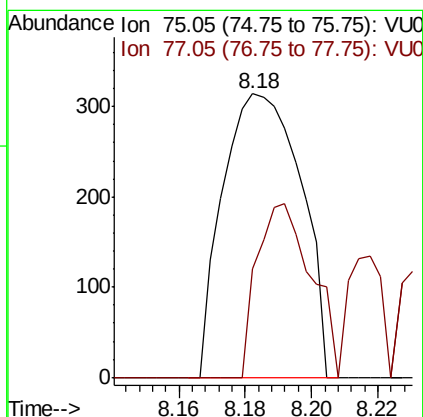
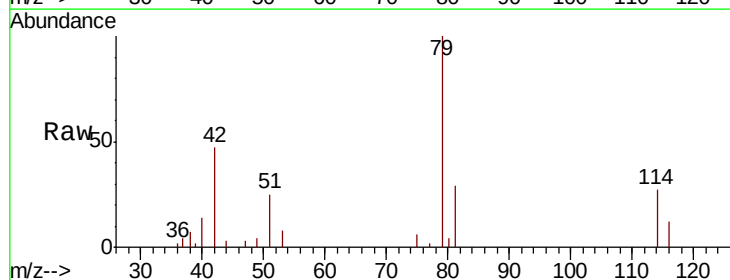
Tot Ion: 75 Resp: 705
 Ion Ratio Lower Upper
 75 100
 77 41.4 22.7 42.3

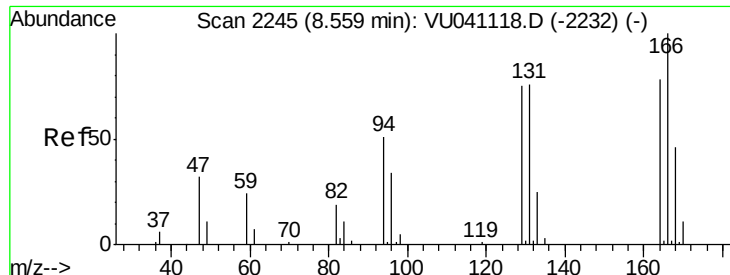


#44

trans-1,3-Dichloropropene
 Concen: 0.066 ug/L
 RT: 8.18 min Scan# 2128
 Delta R.T. -0.03 min
 Lab File: VU041123.D
 Acq: 06 Nov 2020 19:22

Tgt Ion: 75 Resp: 515
 Ion Ratio Lower Upper
 75 100
 77 38.2 23.3 43.3





#47

Tetrachloroethene

Concen: 6.786 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VU041123.D

Acq: 06 Nov 2020 19:22

Instrument :

MSVOA_U

ClientSampleId :

C0AB2DL

Tot Ion:164 Resp: 28559

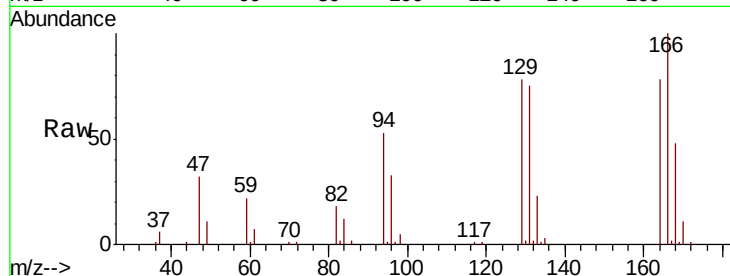
Ion Ratio Lower Upper

164 100

129 99.8 70.3 130.7

131 96.1 70.8 131.4

166 127.7 92.0 170.8

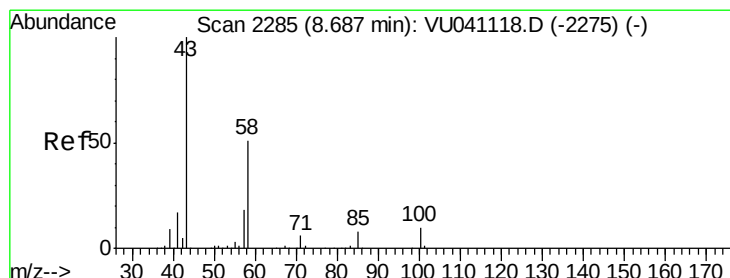
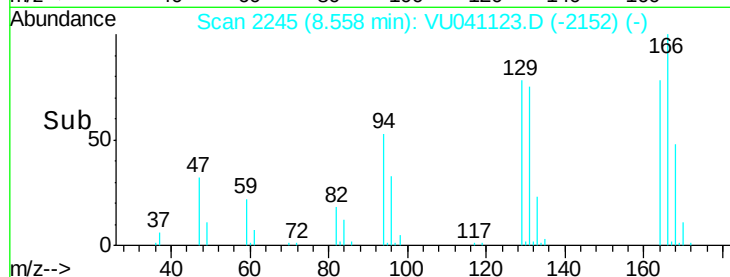
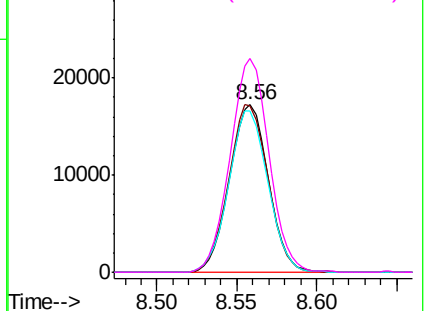


Abundance Ion 163.90 (163.60 to 164.60): V

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: 2.505 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU041123.D

Acq: 06 Nov 2020 19:22

Tgt Ion: 43 Resp: 9151

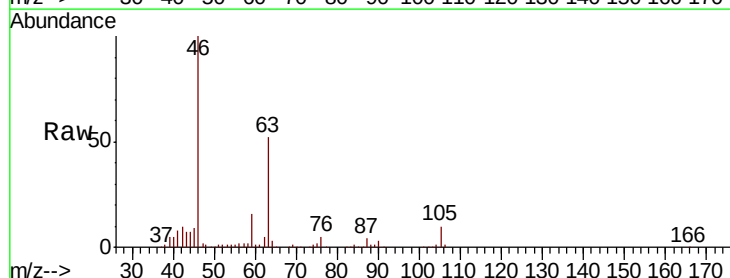
Ion Ratio Lower Upper

43 100

58 27.3 41.4 62.2#

57 25.3 14.6 21.8#

100 0.9 8.3 12.5#

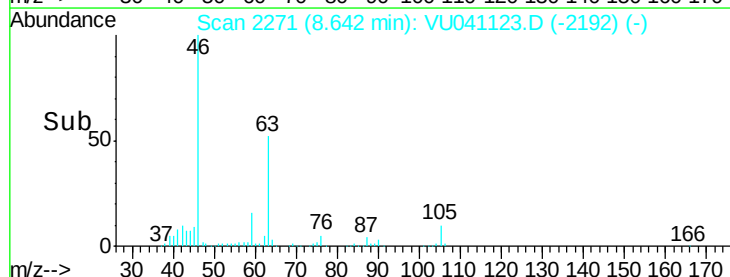
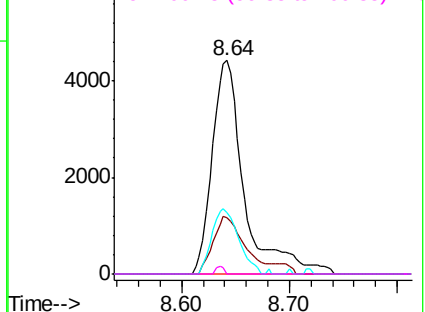


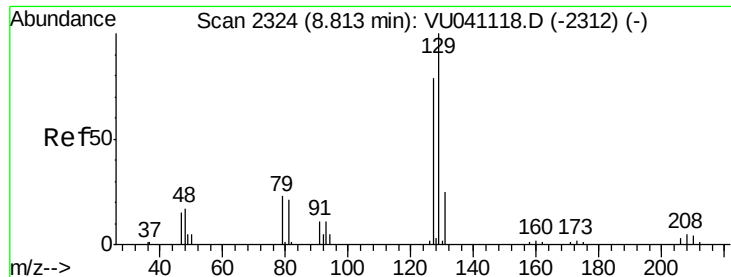
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 5.476 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU041123.D

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MSVOA_U

ClientSampleId :

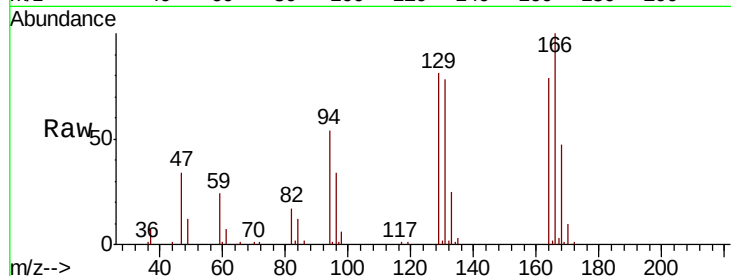
C0AB2DL

Tot Ion:129 Resp: 28809

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

20000

15000

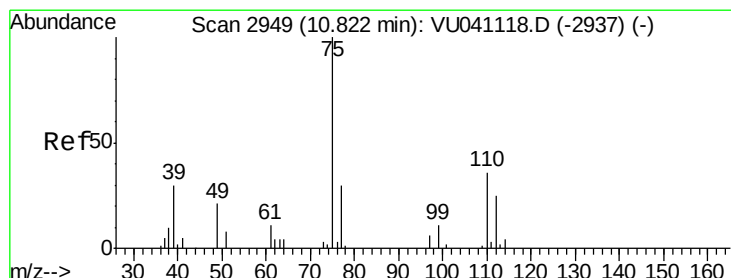
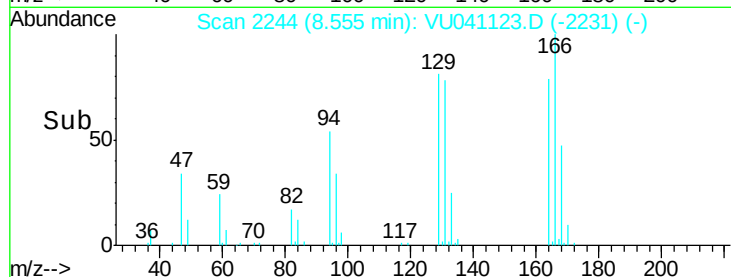
10000

5000

0

8.50 8.55 8.60

Time-->



#59

1,2,3-Trichloropropane

Concen: 0.941 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041123.D

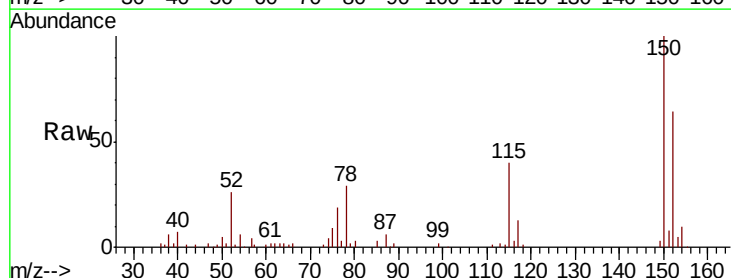
Acq: 06 Nov 2020 19:22

Tgt Ion: 75 Resp: 4266

Ion Ratio Lower Upper

75 100

77 37.0 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

3000

2500

2000

1500

1000

500

0

11.75 11.80 11.85

Time-->

