

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102120\
 Data File : VU040891.D
 Acq On : 21 Oct 2020 22:32
 Operator : SY/MD
 Sample : L4428-19DL 40X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ51DL

Quant Time: Oct 22 00:53:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 22 00:42:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	224853	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	229844	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	96311	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	71645	4.65	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.00%
7) Chloroethane-d5	1.92	69	65784	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.80%
11) 1,1-Dichloroethene-d2	2.58	63	108812	3.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.40%
20) 2-Butanone-d5	4.66	46	358703	65.54	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	131.08%#
24) Chloroform-d	5.08	84	164623	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
26) 1,2-Dichloroethane-d4	5.72	65	104320	5.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.00%
32) Benzene-d6	5.75	84	287933	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	6.70	67	100719	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	7.91	98	218412	4.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.80%
43) trans-1,3-Dichloropropene-	8.19	79	39185	4.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.80%
46) 2-Hexanone-d5	8.64	63	255531	62.08	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	124.16%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	101293	5.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	116.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	89987	5.32	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.40%

Target Compounds

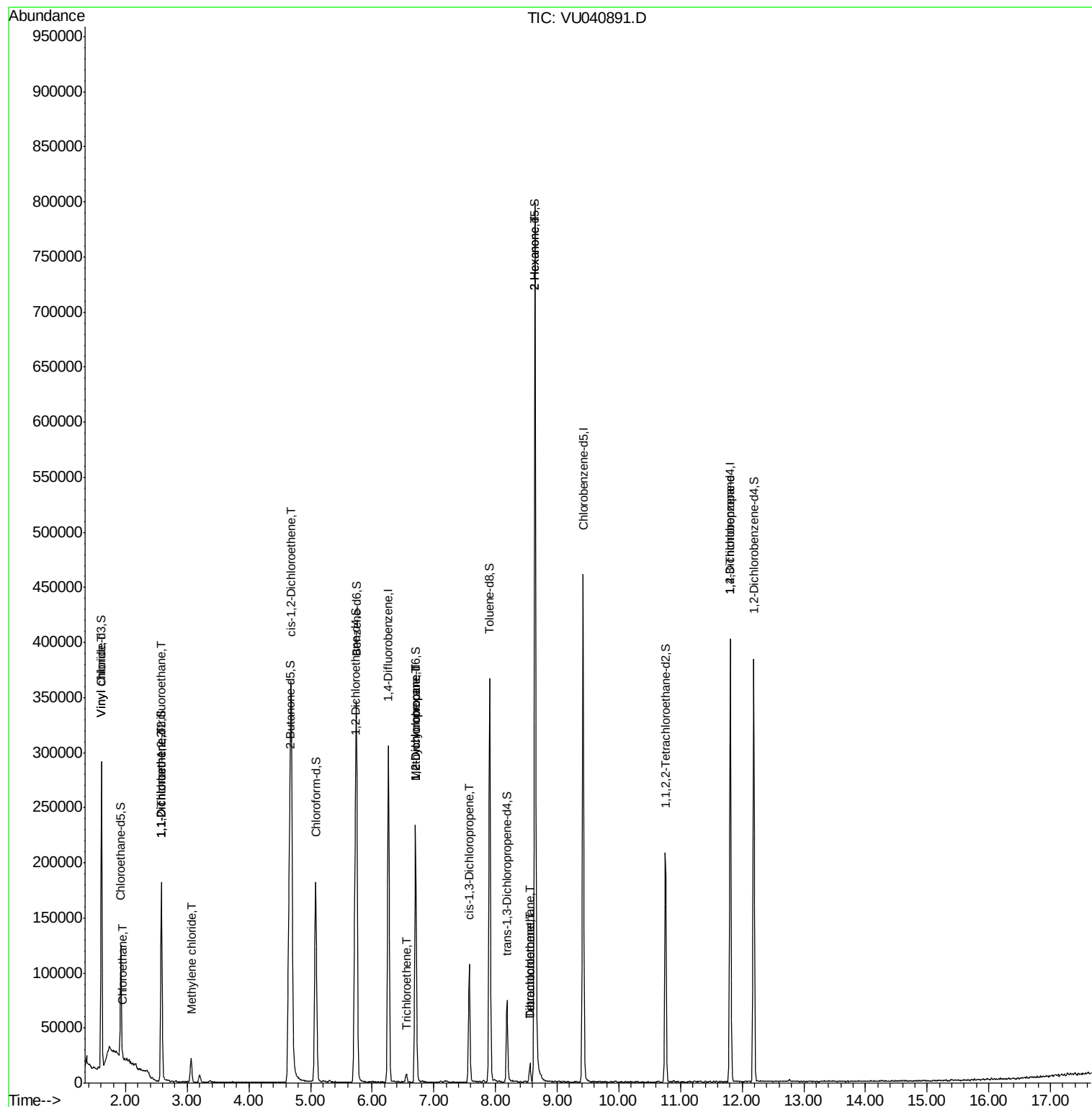
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	125065	5.429	ug/L	93
8) Chloroethane	1.95	64	1097	0.074	ug/L #	55
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	887	0.050	ug/L #	22
12) 1,1-Dichloroethene	2.59	96	1019	0.062	ug/L #	1
16) Methylene chloride	3.07	84	8904	0.440	ug/L	97
22) cis-1,2-Dichloroethene	4.69	96	132967	7.090	ug/L	95
34) Trichloroethene	6.56	95	2405	0.128	ug/L	86
35) Methylcyclohexane	6.70	83	23760	0.844	ug/L #	16
37) 1,2-Dichloropropane	6.71	63	12221	0.613	ug/L #	89
39) cis-1,3-Dichloropropene	7.57	75	2791	0.105	ug/L #	50
47) Tetrachloroethene	8.56	164	3093	0.221	ug/L	86
48) 2-Hexanone	8.64	43	39030	4.008	ug/L #	68
49) Dibromochloromethane	8.56	129	3151	0.194	ug/L #	9
59) 1,2,3-Trichloropropane	11.81	75	14521	1.120	ug/L	100

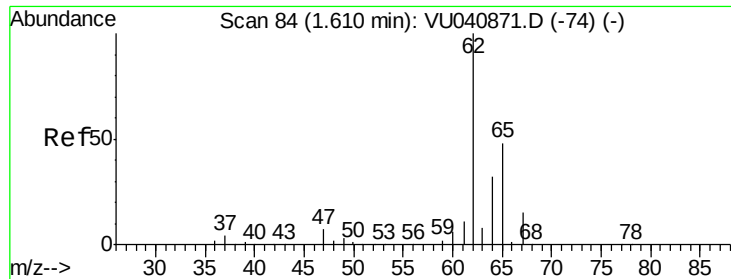
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 22 00:42:50 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 5.429 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040891.D

Acq: 21 Oct 2020 22:32

Instrument :

MSVOA_U

ClientSampleId :

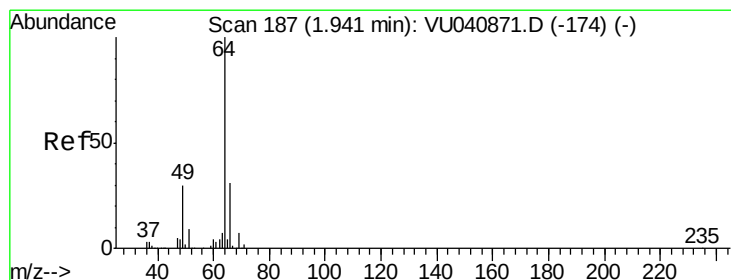
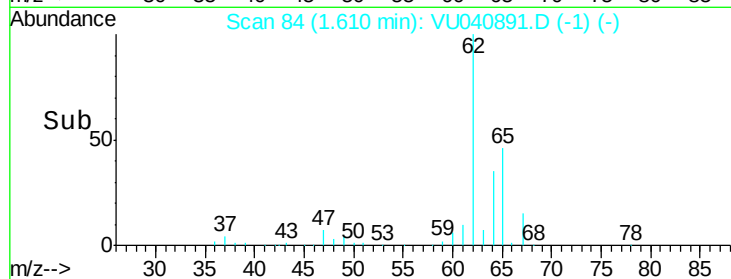
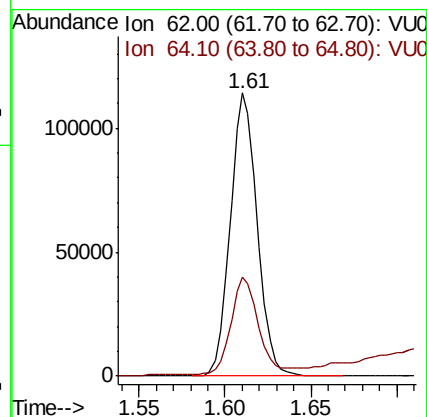
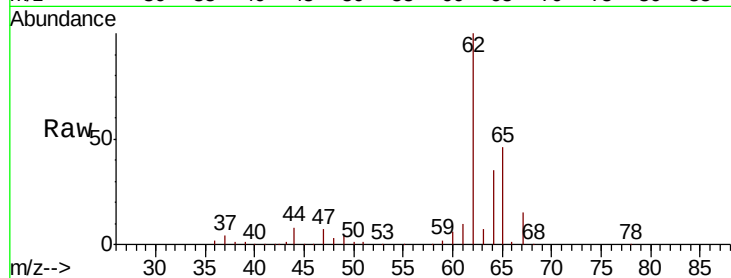
ETZ51DL

Tot Ion: 62 Resp: 125065

Ion Ratio Lower Upper

62 100

64 35.1 21.8 40.6



#8

Chloroethane

Concen: 0.074 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.01 min

Lab File: VU040891.D

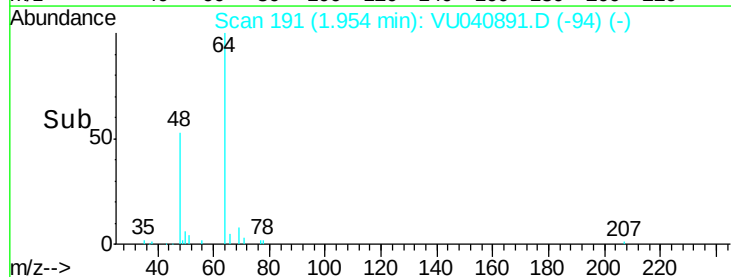
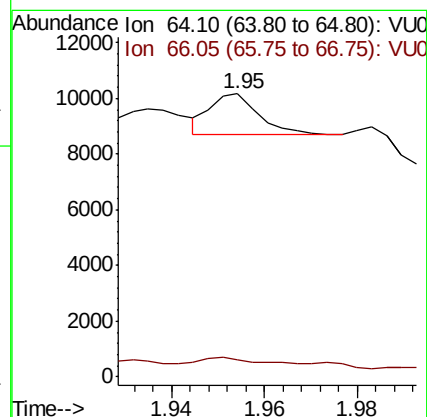
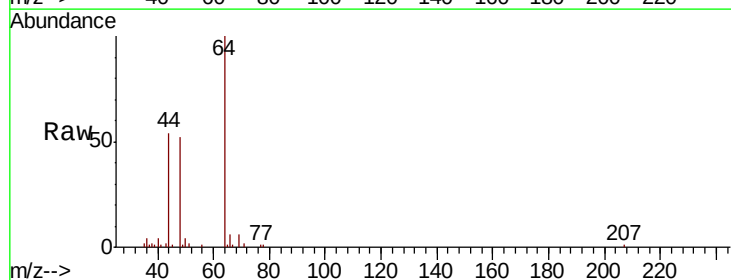
Acq: 21 Oct 2020 22:32

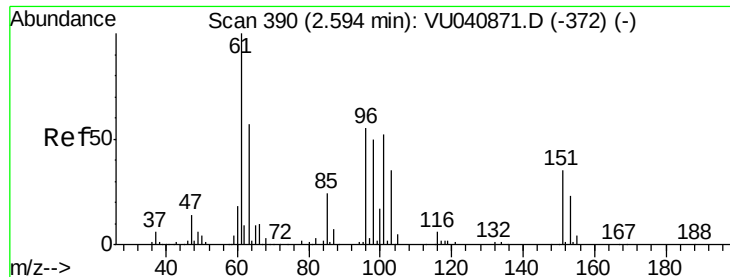
Tgt Ion: 64 Resp: 1097

Ion Ratio Lower Upper

64 100

66 6.0 21.2 39.4#





#10

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

Concen: 0.050 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU040891.D

Acq: 21 Oct 2020 22:32

Instrument :

MSVOA_U

ClientSampleId :

ETZ51DL

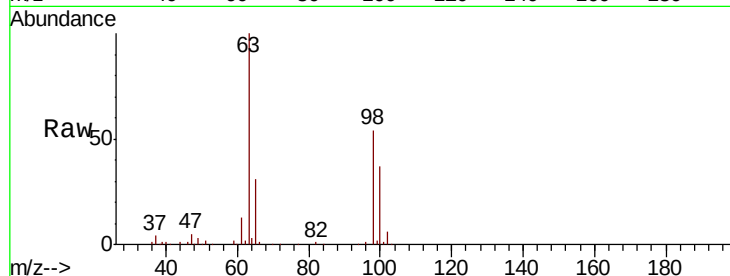
Tot Ion:101 Resp: 887

Ion Ratio Lower Upper

101 100

85 2.4 36.4 54.6#

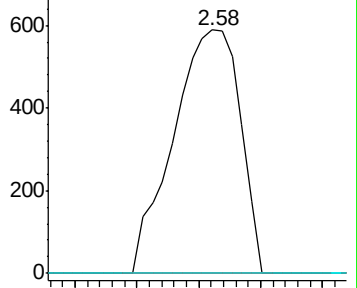
151 0.0 56.3 84.5#



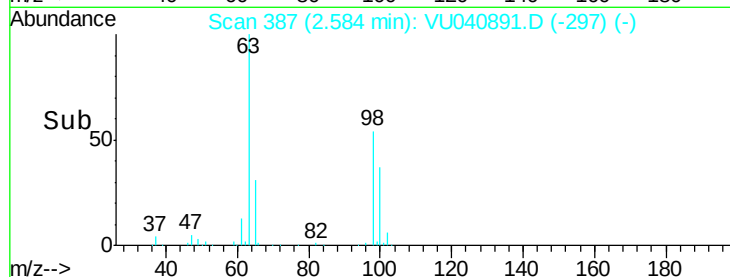
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



Time-->



#12

1,1-Dichloroethene

Concen: 0.062 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040891.D

Acq: 21 Oct 2020 22:32

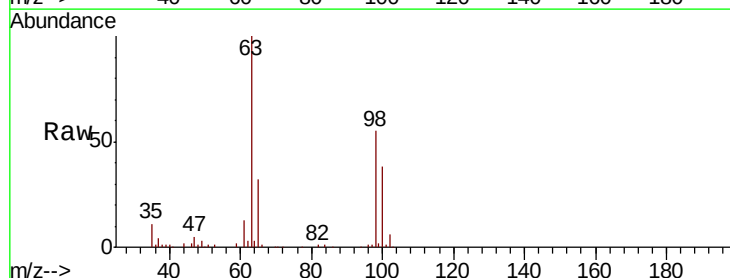
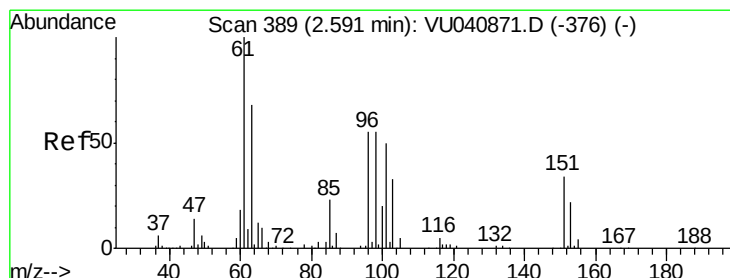
Tgt Ion: 96 Resp: 1019

Ion Ratio Lower Upper

96 100

61 846.6 130.9 243.1#

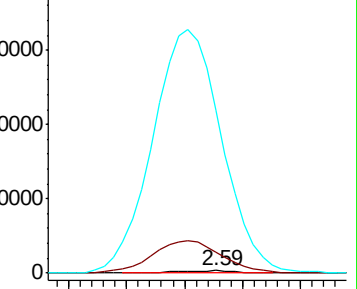
63 6677.6 85.4 158.6#



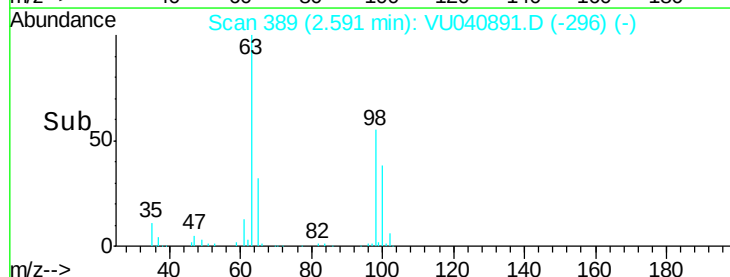
Abundance Ion 96.00 (95.70 to 96.70): VU0

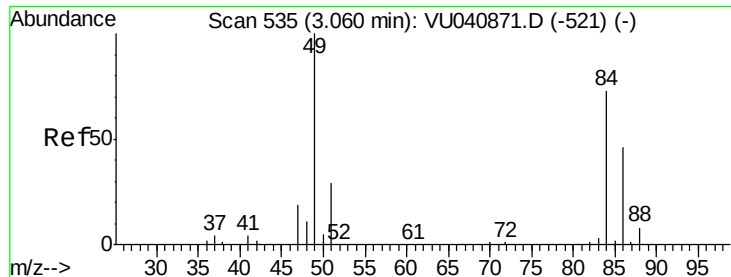
Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0



Time-->

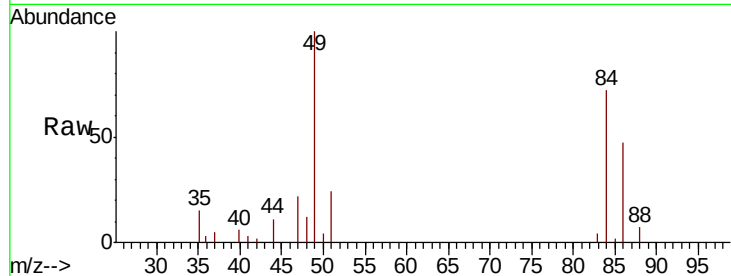




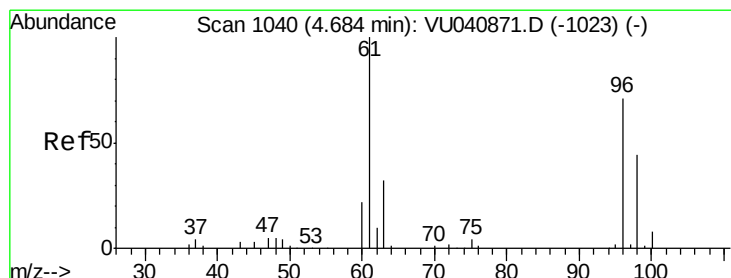
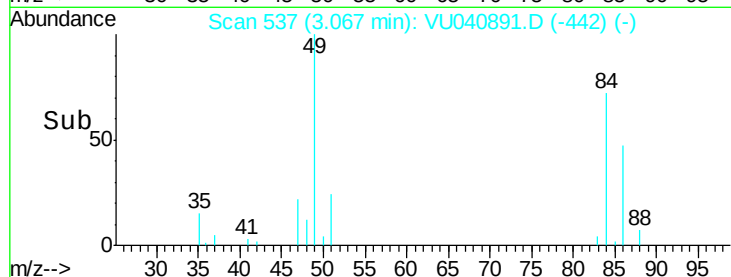
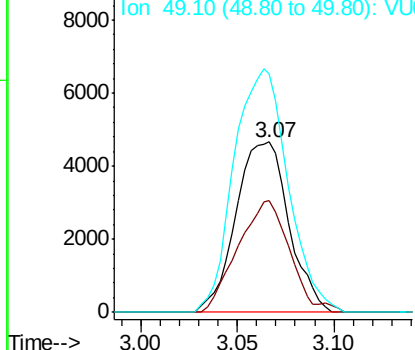
#16
Methylene chloride
Concen: 0.440 ug/L
RT: 3.07 min Scan# 537
Delta R.T. 0.01 min
Lab File: VU040891.D
Acq: 21 Oct 2020 22:32

Instrument :
MSVOA_U
ClientSampleId :
ETZ51DL

Tot Ion: 84 Resp: 8904
Ion Ratio Lower Upper
84 100
86 65.3 44.9 83.5
49 139.7 94.7 175.9

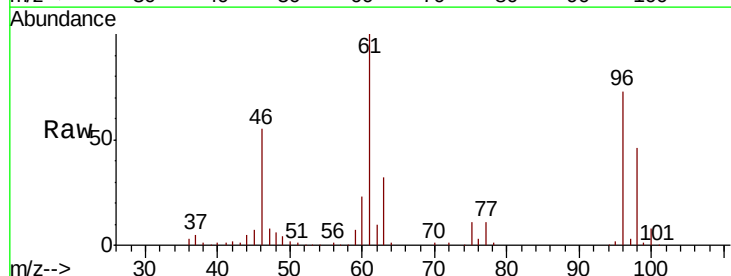


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

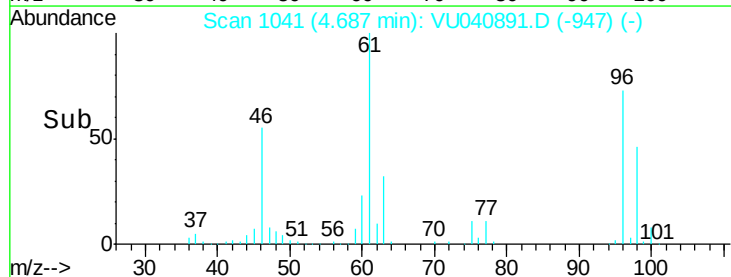
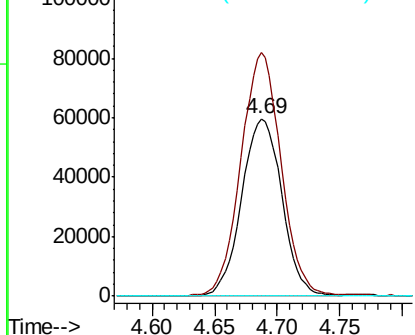


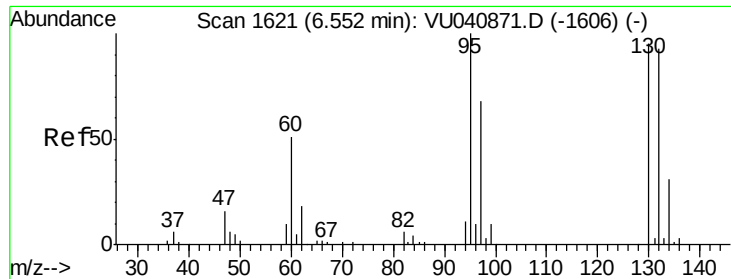
#22
cis-1,2-Dichloroethene
Concen: 7.090 ug/L
RT: 4.69 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VU040891.D
Acq: 21 Oct 2020 22:32

Tgt Ion: 96 Resp: 132967
Ion Ratio Lower Upper
96 100
61 137.1 100.0 185.6
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0

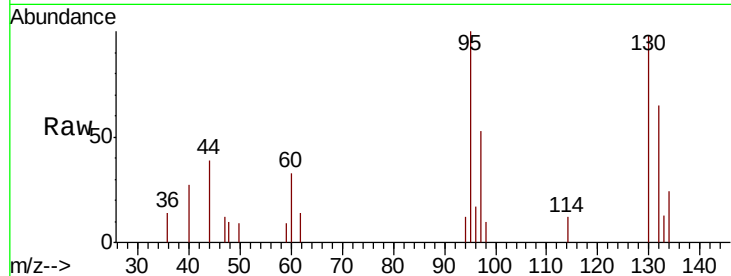




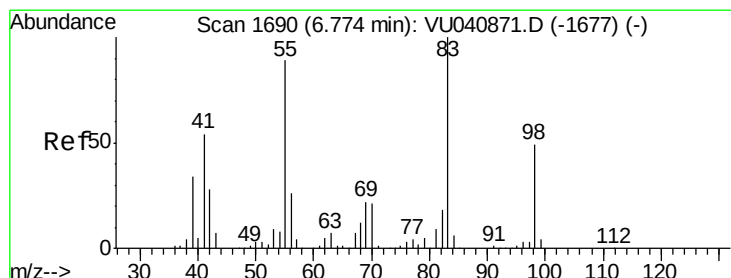
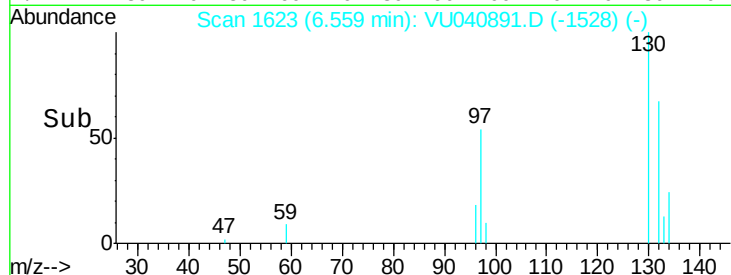
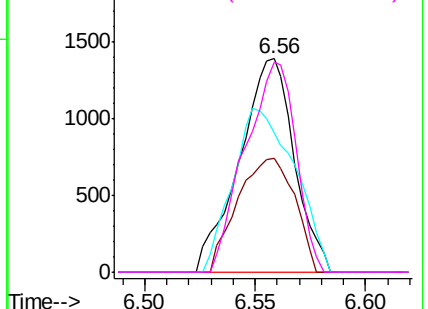
#34
 Trichloroethene
 Concen: 0.128 ug/L
 RT: 6.56 min Scan# 1623
 Delta R.T. 0.01 min
 Lab File: VU040891.D
 Acq: 21 Oct 2020 22:32

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Tot Ion: 95 Resp: 2405
 Ion Ratio Lower Upper
 95 100
 97 53.3 46.0 85.4
 132 65.4 63.6 118.2
 130 98.0 68.6 127.4

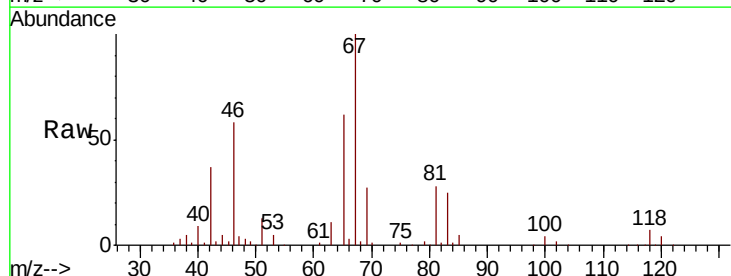


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

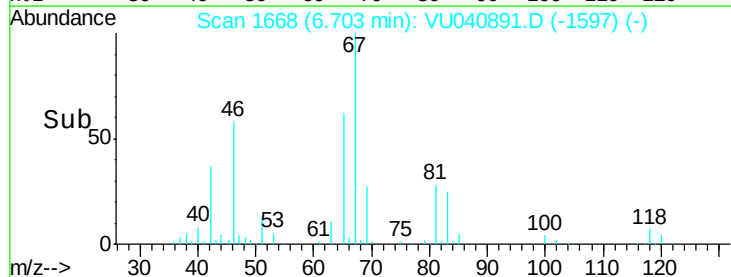
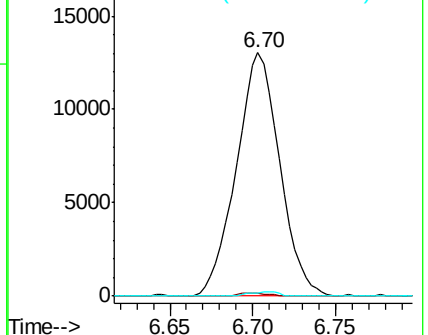


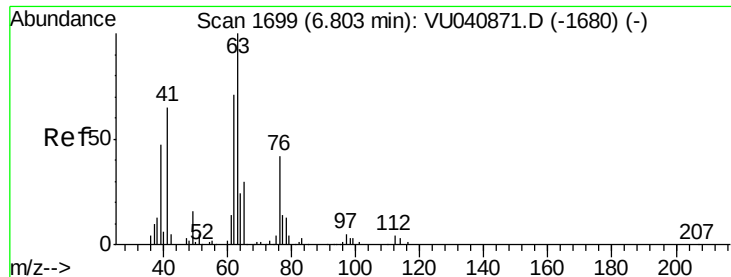
#35
 Methylcyclohexane
 Concen: 0.844 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU040891.D
 Acq: 21 Oct 2020 22:32

Tgt Ion: 83 Resp: 23760
 Ion Ratio Lower Upper
 83 100
 55 0.8 69.1 103.7#
 98 1.1 37.8 56.6#



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

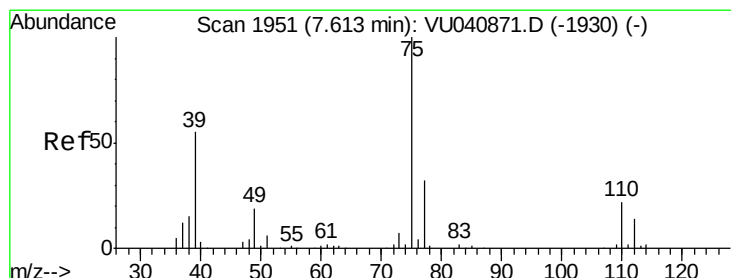
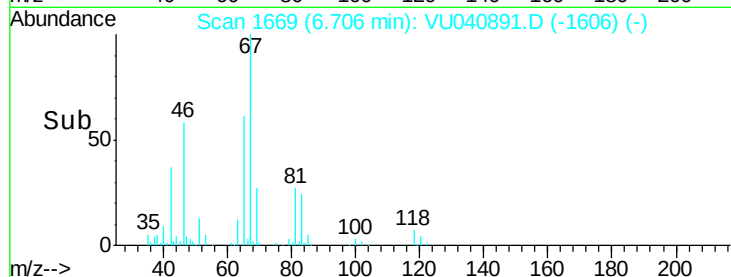
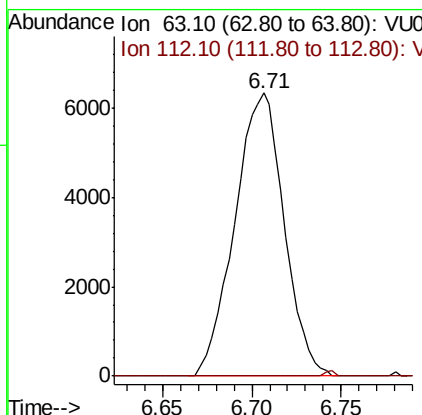
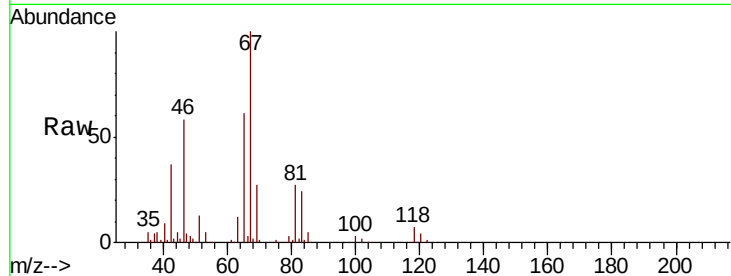




#37
 1,2-Dichloropropane
 Concen: 0.613 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.10 min
 Lab File: VU040891.D
 Acq: 21 Oct 2020 22:32

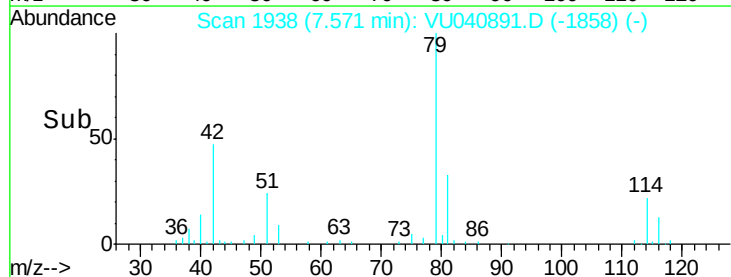
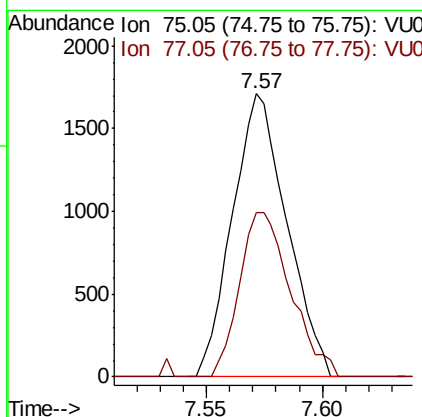
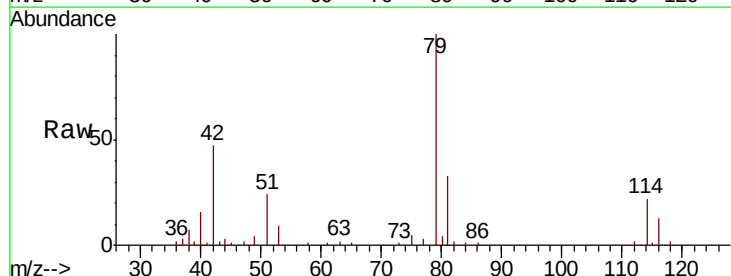
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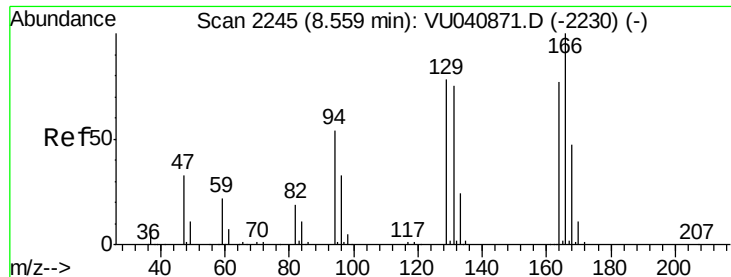
Tot Ion: 63 Resp: 12221
 Ion Ratio Lower Upper
 63 100
 112 0.3 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.105 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU040891.D
 Acq: 21 Oct 2020 22:32

Tgt Ion: 75 Resp: 2791
 Ion Ratio Lower Upper
 75 100
 77 58.2 21.6 40.2#





#47

Tetrachloroethene

Concen: 0.221 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VU040891.D

Acq: 21 Oct 2020 22:32

Instrument :

MSVOA_U

ClientSampleId :

ETZ51DL

Tot Ion:164 Resp: 3093

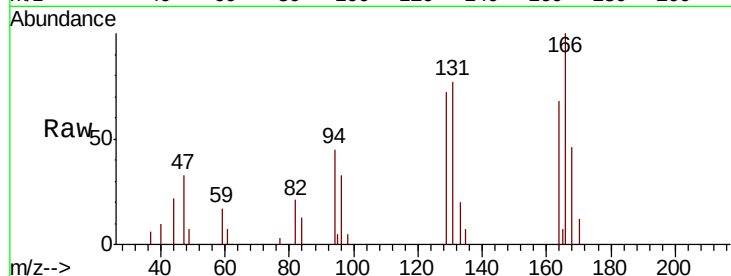
Ion Ratio Lower Upper

164 100

129 105.2 69.7 129.4

131 112.9 65.4 121.4

166 146.2 90.0 167.2

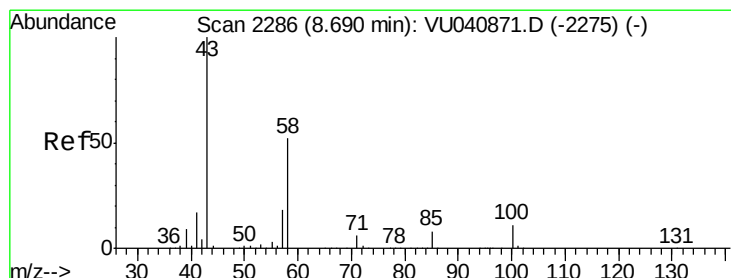
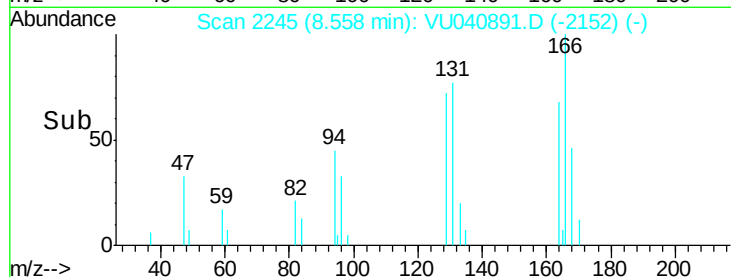
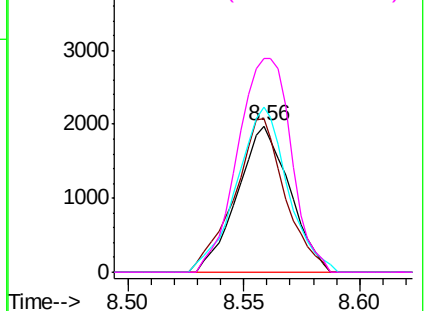


Abundance Ion 163.90 (163.60 to 164.60): V

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: 4.008 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU040891.D

Acq: 21 Oct 2020 22:32

Tgt Ion: 43 Resp: 39030

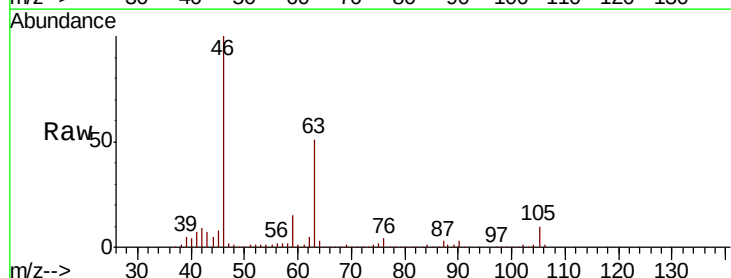
Ion Ratio Lower Upper

43 100

58 26.3 40.9 61.3#

57 30.5 14.4 21.6#

100 1.9 8.3 12.5#

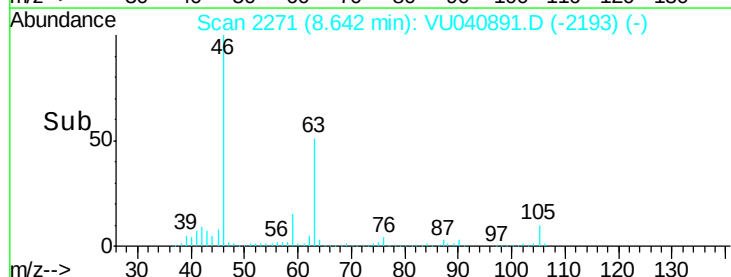
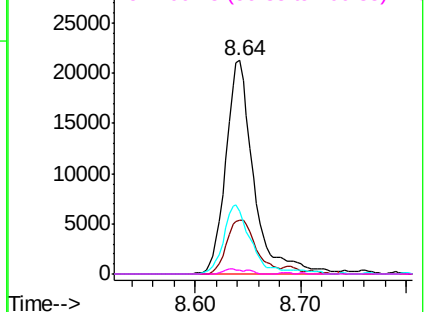


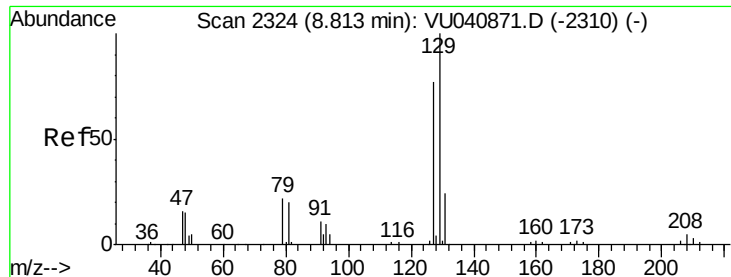
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 0.194 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU040891.D

Acq: 21 Oct 2020 22:32

Instrument :

MSVOA_U

ClientSampleId :

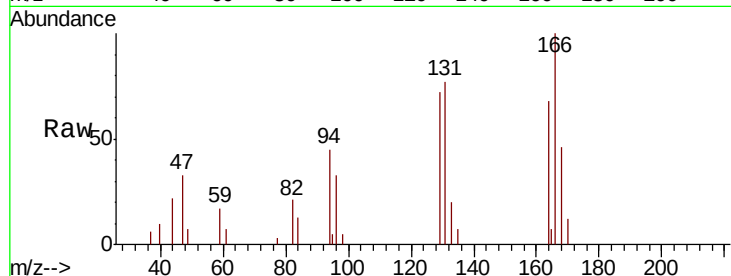
ETZ51DL

Tot Ion:129 Resp: 3151

Ion Ratio Lower Upper

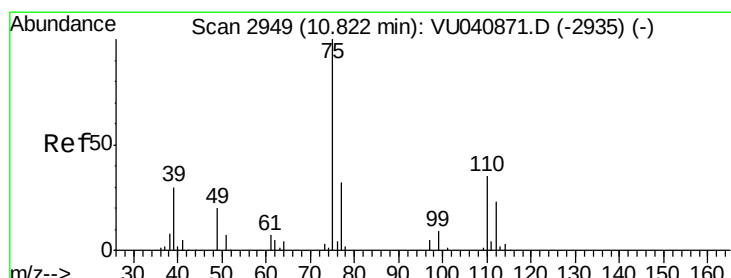
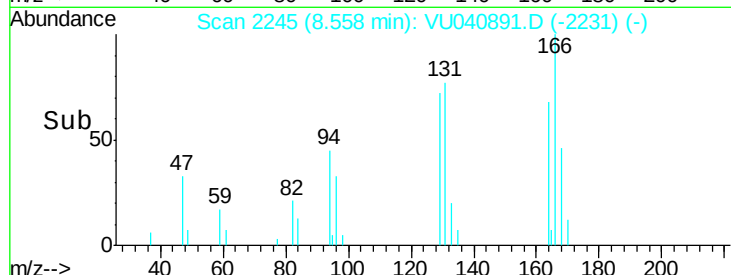
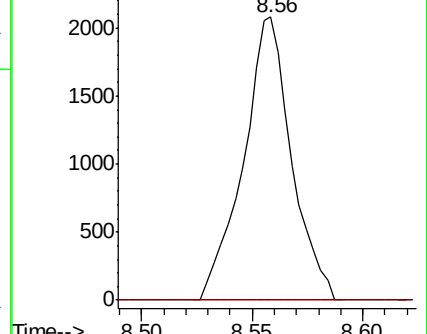
129 100

127 0.0 55.9 103.9#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 1.120 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040891.D

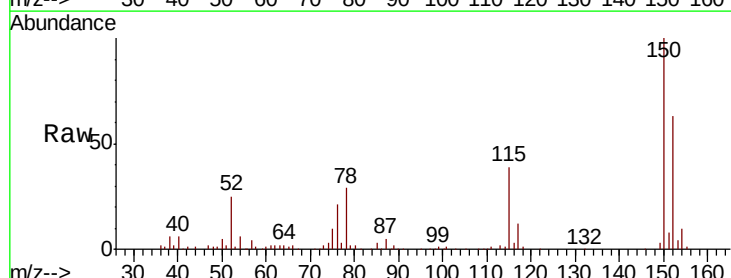
Acq: 21 Oct 2020 22:32

Tgt Ion: 75 Resp: 14521

Ion Ratio Lower Upper

75 100

77 34.3 27.5 41.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

