

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121820\
 Data File : VU041682.D
 Acq On : 18 Dec 2020 16:36
 Operator : SY/MD
 Sample : VIBLK
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK36

Quant Time: Dec 19 04:15:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Dec 19 04:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	104456	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	98128	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	42398	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	33493	4.10	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.00%
7) Chloroethane-d5	1.92	69	33915	5.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.40%
11) 1,1-Dichloroethene-d2	2.58	63	51031	3.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.80%
20) 2-Butanone-d5	4.66	46	137381	58.57	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.14%
24) Chloroform-d	5.08	84	70512	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
26) 1,2-Dichloroethane-d4	5.72	65	46547	5.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.40%
32) Benzene-d6	5.74	84	144963	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
36) 1,2-Dichloropropane-d6	6.70	67	44871	5.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.80%
41) Toluene-d8	7.90	98	114829	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.60%
43) trans-1,3-Dichloropropene-	8.18	79	16859	4.26	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.20%
46) 2-Hexanone-d5	8.64	63	119055	54.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.96%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	43962	5.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	42015	5.57	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.40%

Target Compounds

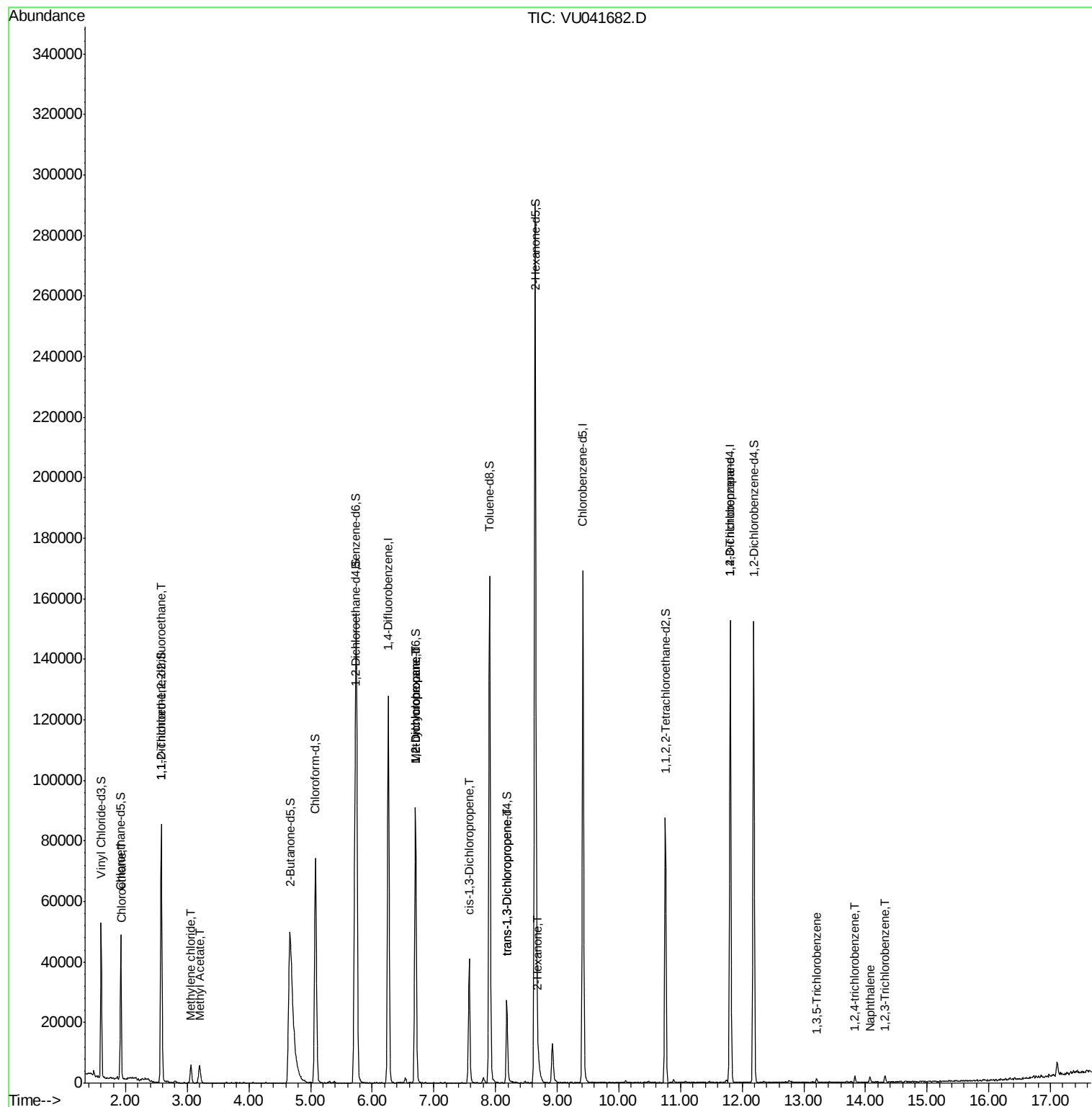
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.94	64	259	0.040	ug/L #	44
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	409	0.057	ug/L #	22
15) Methyl Acetate	3.20	43	371	0.096	ug/L #	51
16) Methylene chloride	3.06	84	3135	0.370	ug/L	87
35) Methylcyclohexane	6.70	83	10647	0.835	ug/L #	19
37) 1,2-Dichloropropane	6.71	63	4530	0.564	ug/L #	88
39) cis-1,3-Dichloropropene	7.58	75	1055	0.089	ug/L #	83
44) trans-1,3-Dichloropropene	8.19	75	513	0.048	ug/L #	49
48) 2-Hexanone	8.69	43	2882	0.693	ug/L #	73
59) 1,2,3-Trichloropropane	11.81	75	4858	0.806	ug/L	100
67) 1,3,5-Trichlorobenzene	13.20	180	579	0.059	ug/L #	86
68) 1,2,4-trichlorobenzene	13.83	180	957	0.116	ug/L #	82
69) Naphthalene	14.07	128	2232	0.131	ug/L #	93
70) 1,2,3-Trichlorobenzene	14.32	180	917	0.116	ug/L #	93

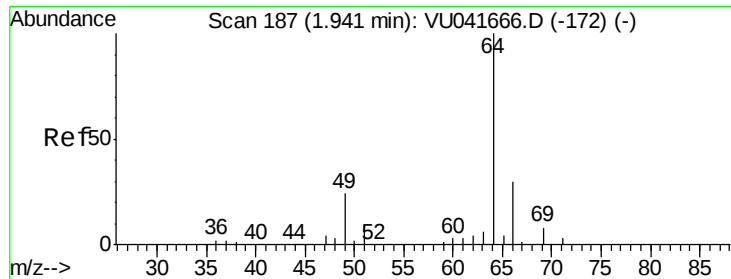
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Dec 19 04:12:21 2020
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.040 ug/L

RT: 1.94 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU041682.D

Acq: 18 Dec 2020 16:36

Instrument :

MSVOA_U

ClientSampleId :

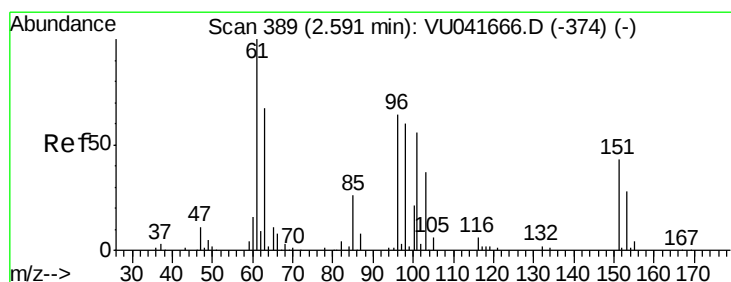
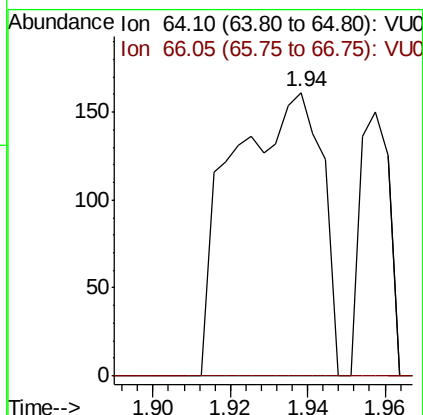
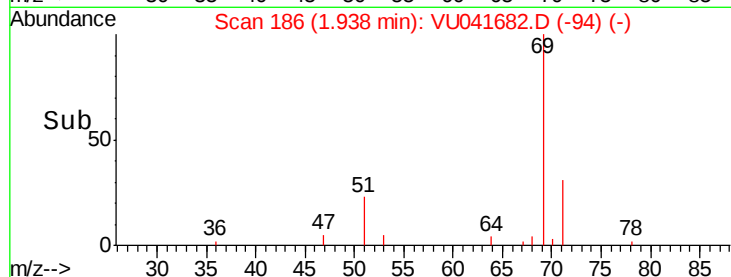
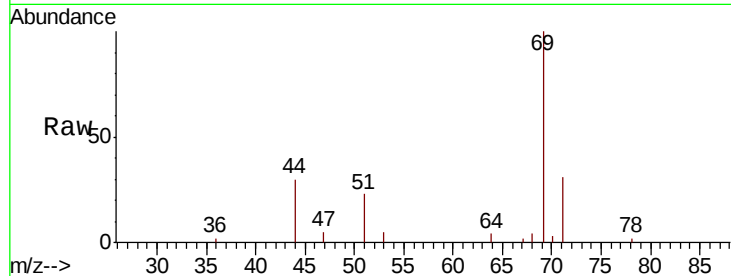
VIBLK36

Tot Ion: 64 Resp: 259

Ion Ratio Lower Upper

64 100

66 0.0 21.6 40.0#



#10

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

Concen: 0.057 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.01 min

Lab File: VU041682.D

Acq: 18 Dec 2020 16:36

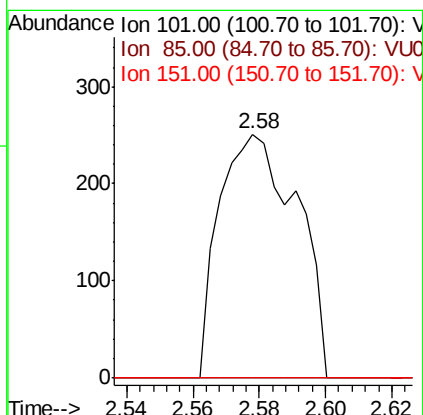
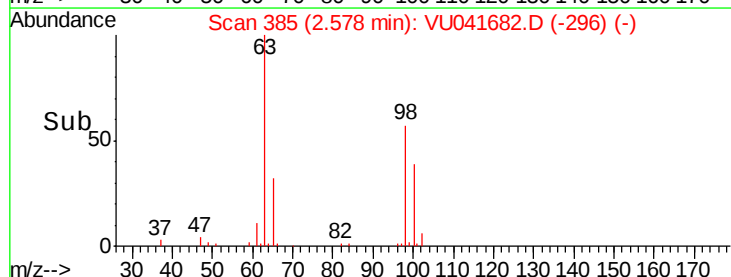
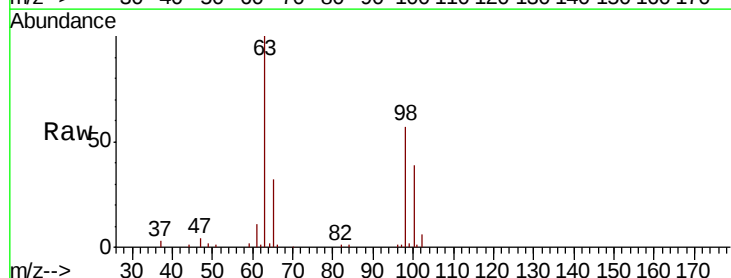
Tgt Ion: 101 Resp: 409

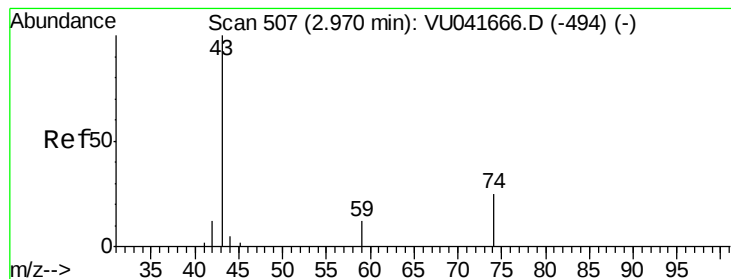
Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

151 0.0 56.2 84.4#





#15

Methvl Acetate

Concen: 0.096 ug/L

RT: 3.20 min Scan# 579

Delta R.T. 0.23 min

Lab File: VU041682.D

Acq: 18 Dec 2020 16:36

Instrument :

MSVOA_U

ClientSampleId :

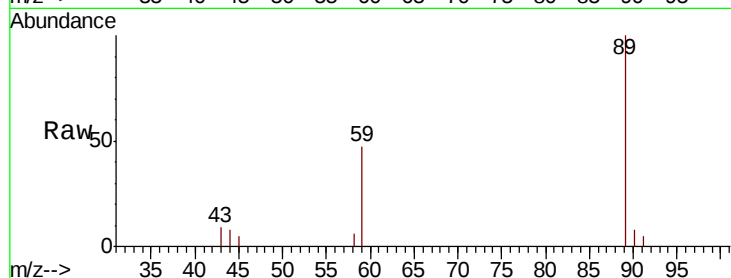
VIBLK36

Tot Ion: 43 Resp: 371

Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

3.20

250

200

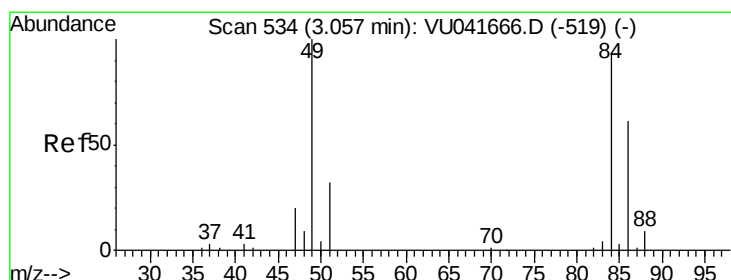
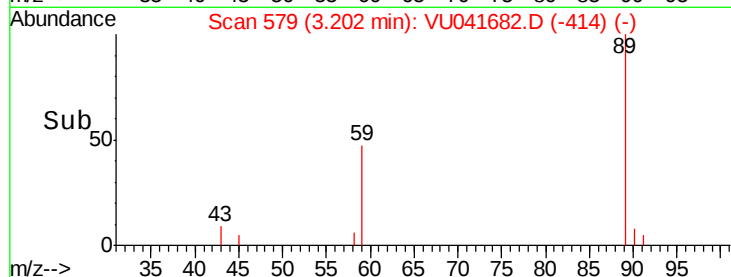
150

100

50

0

Time--> 3.16 3.18 3.20 3.22



#16

Methylene chloride

Concen: 0.370 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041682.D

Acq: 18 Dec 2020 16:36

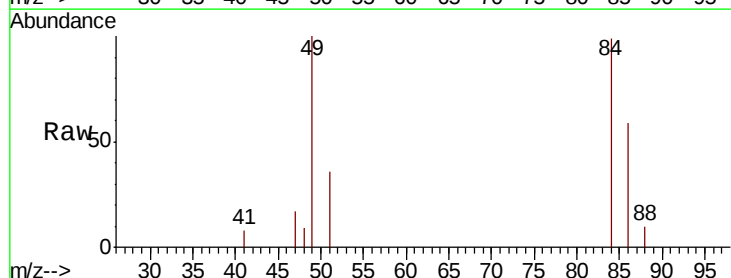
Tgt Ion: 84 Resp: 3135

Ion Ratio Lower Upper

84 100

86 59.1 45.1 83.7

49 100.8 83.1 154.3



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

2000

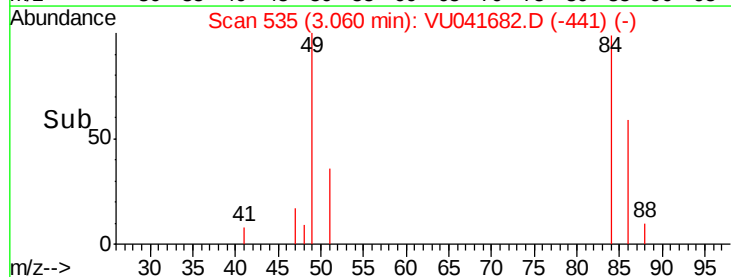
1500

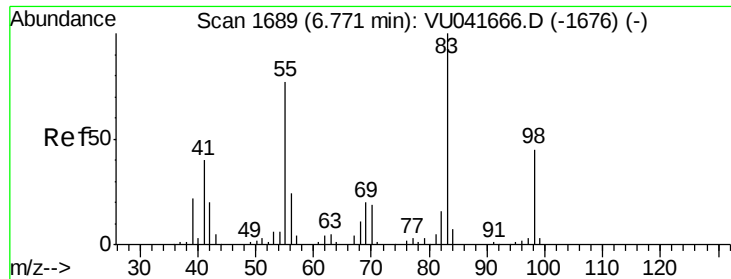
1000

500

0

Time--> 3.00 3.05 3.10

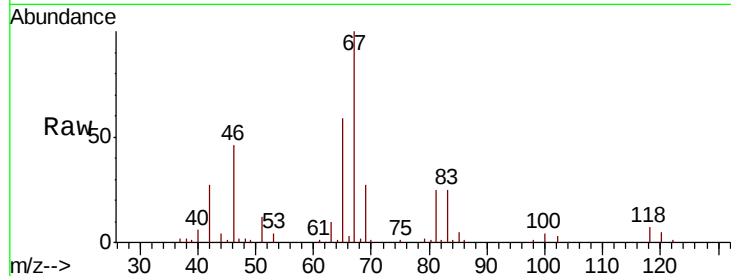




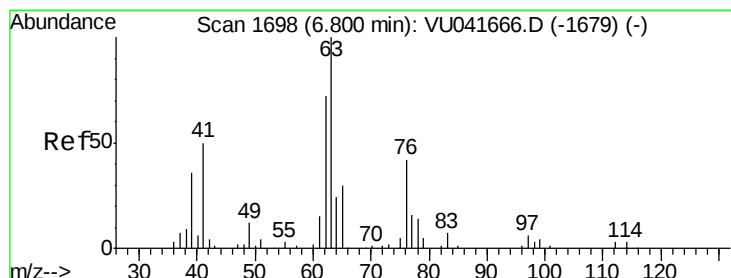
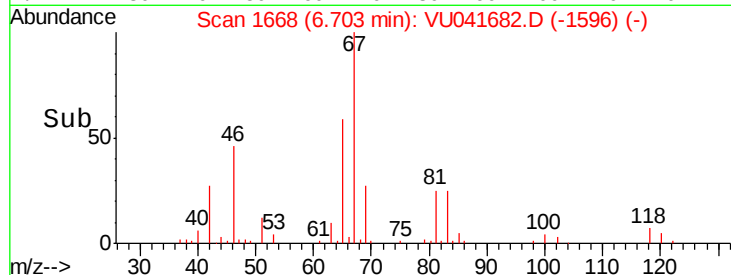
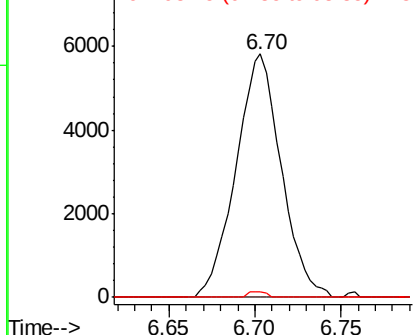
#35
Methylcyclohexane
Concen: 0.835 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041682.D
Acq: 18 Dec 2020 16:36

Instrument :
MSVOA_U
ClientSampleId :
VIBLK36

Tot Ion: 83 Resp: 10647
Ion Ratio Lower Upper
83 100
55 0.0 61.2 91.8#
98 0.9 36.6 54.8#

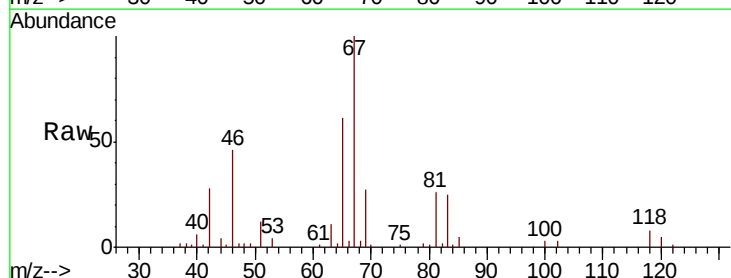


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

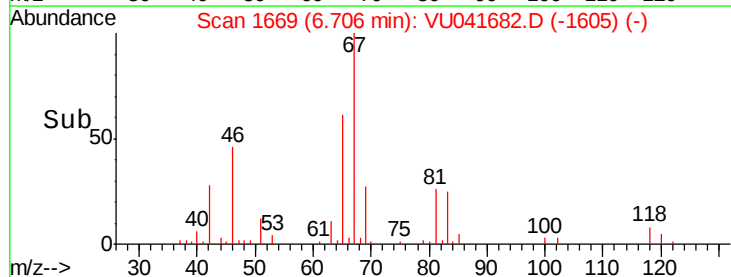
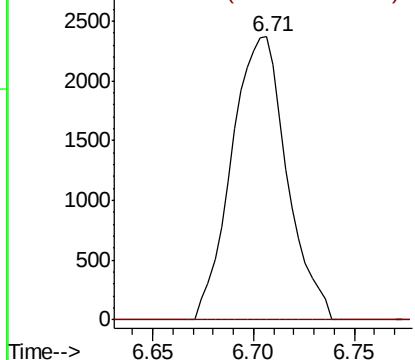


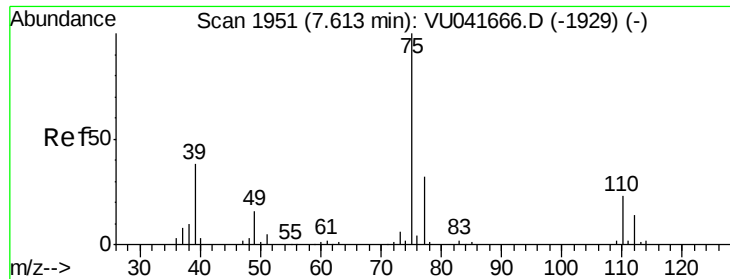
#37
1,2-Dichloropropane
Concen: 0.564 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.09 min
Lab File: VU041682.D
Acq: 18 Dec 2020 16:36

Tgt Ion: 63 Resp: 4530
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



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

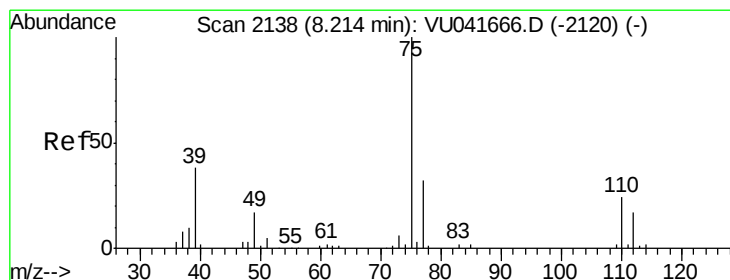
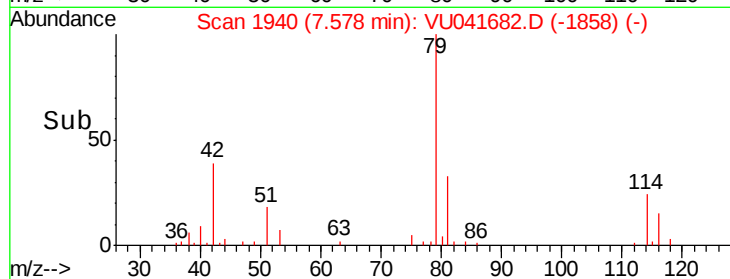
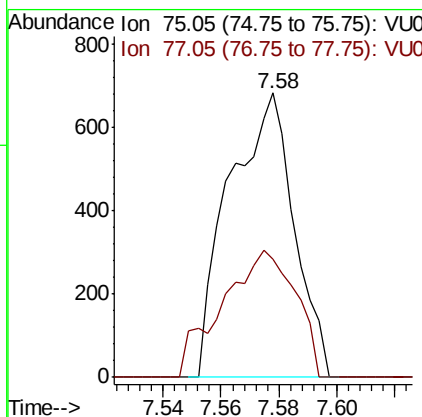
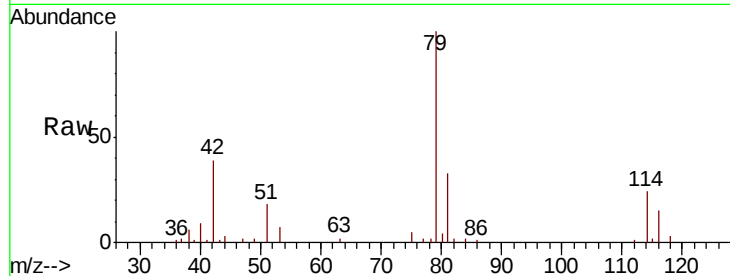




#39
 cis-1,3-Dichloropropene
 Concen: 0.089 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU041682.D
 Acq: 18 Dec 2020 16:36

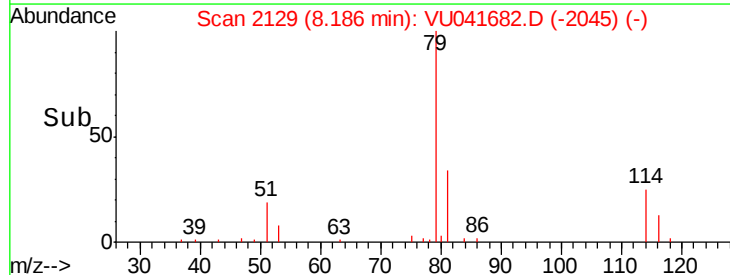
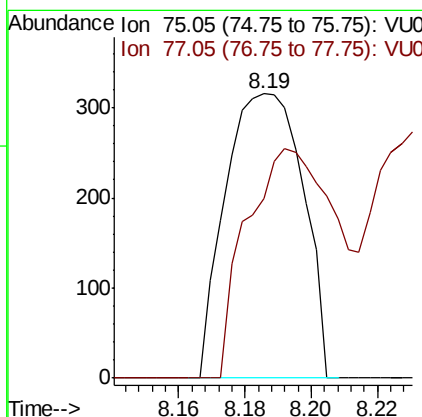
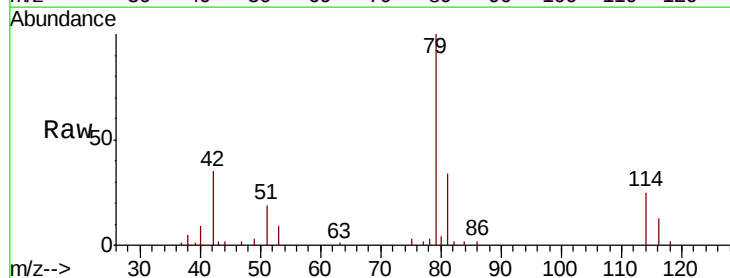
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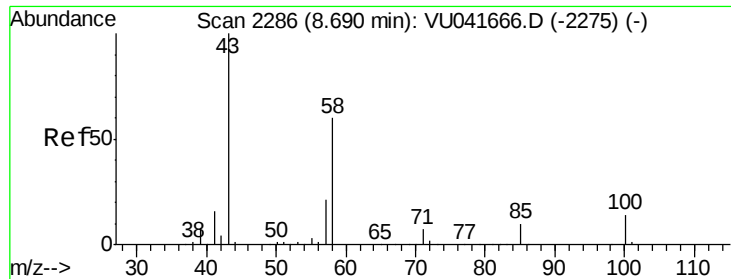
Tot Ion: 75 Resp: 1055
 Ion Ratio Lower Upper
 75 100
 77 41.5 22.3 41.3#



#44
 trans-1,3-Dichloropropene
 Concen: 0.048 ug/L
 RT: 8.19 min Scan# 2129
 Delta R.T. -0.03 min
 Lab File: VU041682.D
 Acq: 18 Dec 2020 16:36

Tgt Ion: 75 Resp: 513
 Ion Ratio Lower Upper
 75 100
 77 63.3 23.8 44.2#

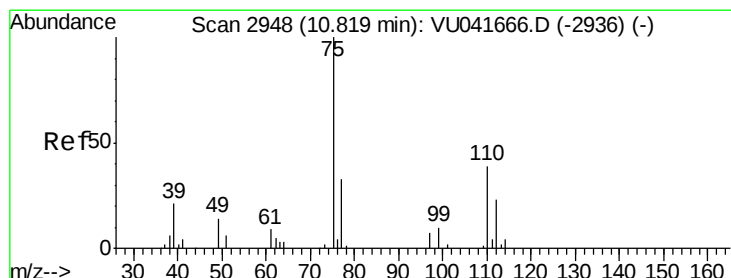
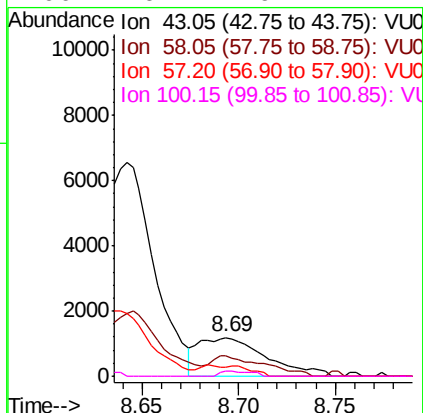
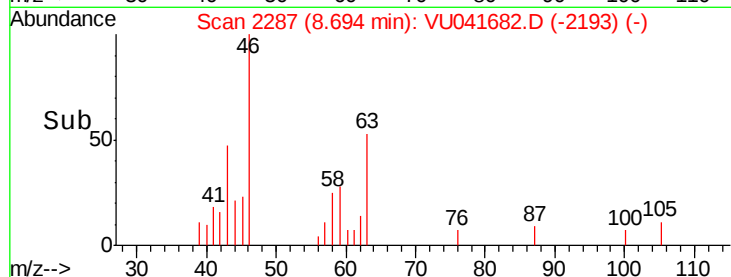
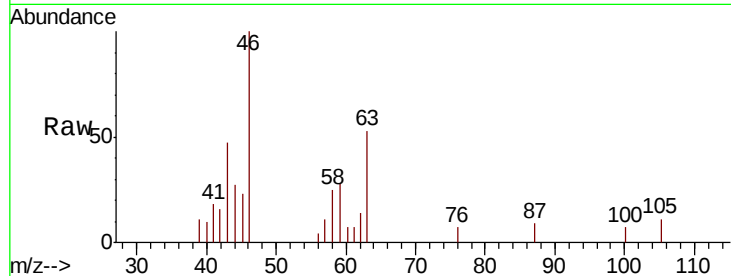




#48
2-Hexanone
Concen: 0.693 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU041682.D
Acq: 18 Dec 2020 16:36

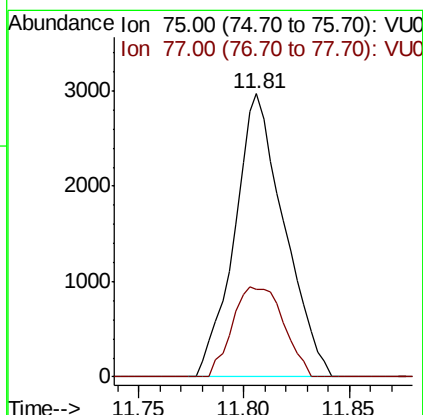
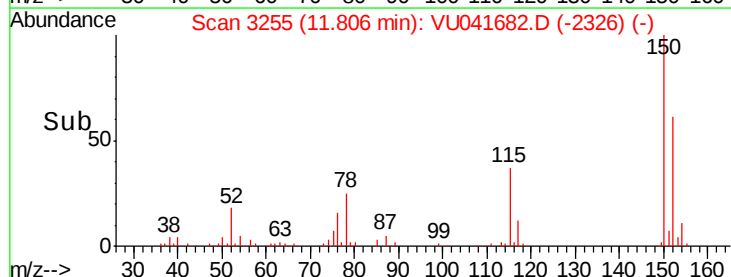
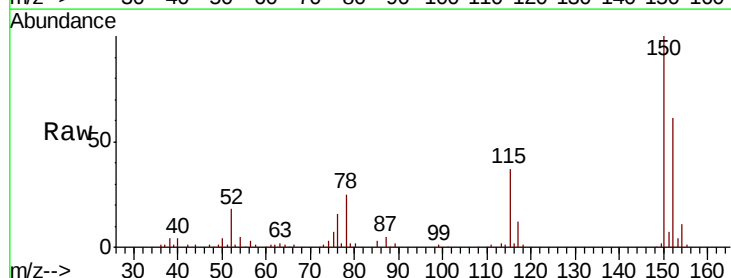
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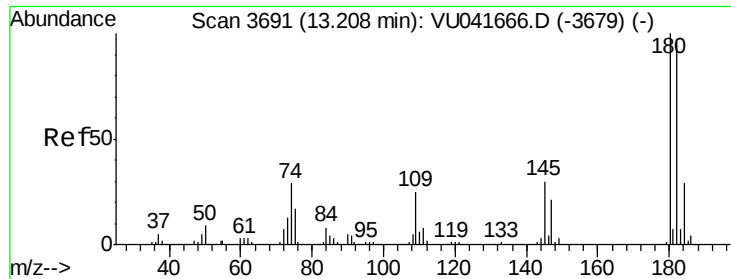
Tot Ion: 43 Resp: 2882
Ion Ratio Lower Upper
43 100
58 42.6 47.9 71.9#
57 0.0 16.5 24.7#
100 6.4 9.4 14.2#



#59
1,2,3-Trichloropropane
Concen: 0.806 ug/L
RT: 11.81 min Scan# 3255
Delta R.T. 0.99 min
Lab File: VU041682.D
Acq: 18 Dec 2020 16:36

Tgt Ion: 75 Resp: 4858
Ion Ratio Lower Upper
75 100
77 32.6 26.2 39.2

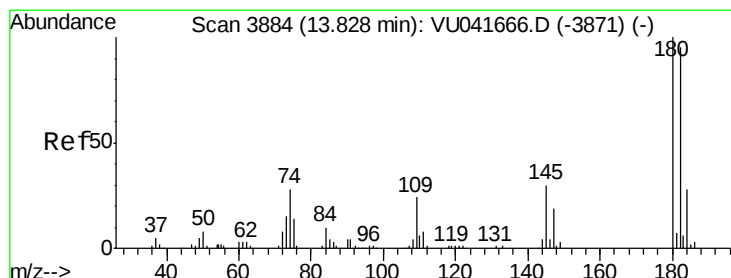
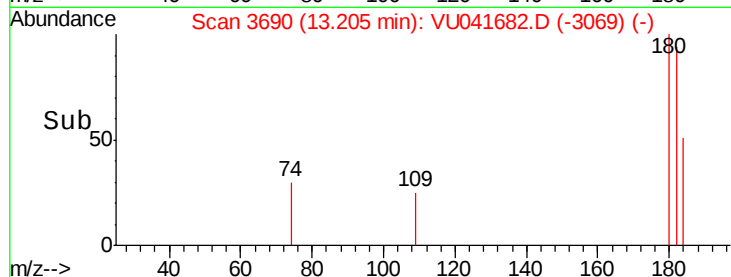
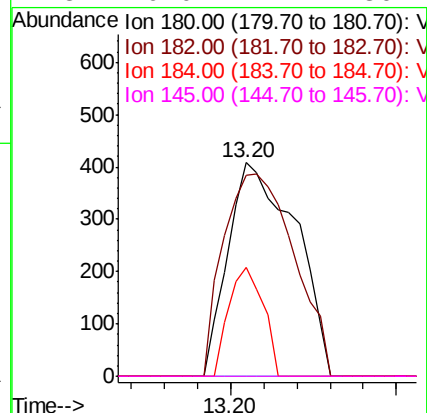
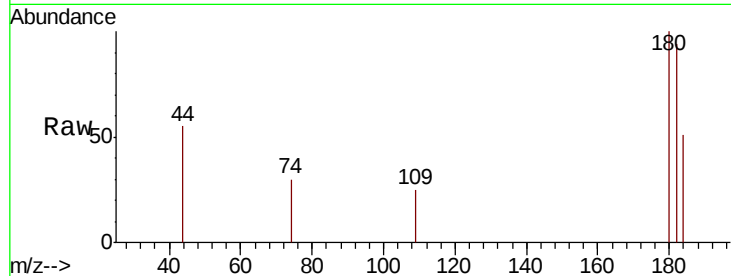




#67
 1,3,5-Trichlorobenzene
 Concen: 0.059 ug/L
 RT: 13.20 min Scan# 3690
 Delta R.T. -0.00 min
 Lab File: VU041682.D
 Acq: 18 Dec 2020 16:36

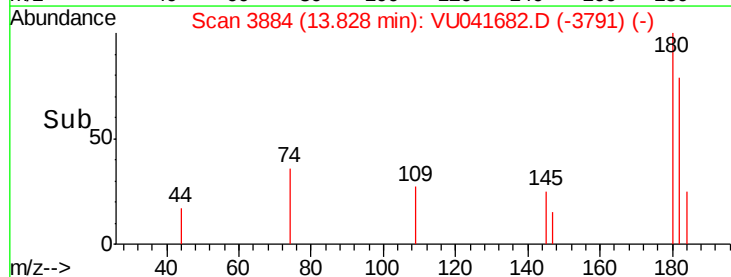
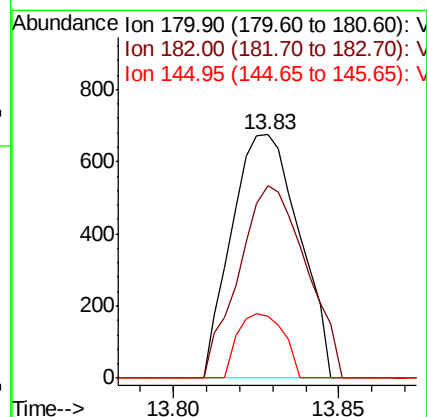
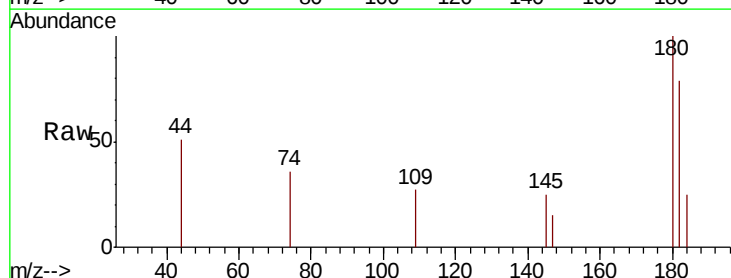
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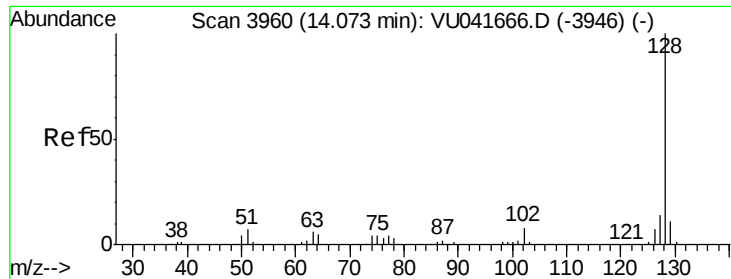
Tot Ion:180 Resp: 579
 Ion Ratio Lower Upper
 180 100
 182 99.0 76.3 114.5
 184 25.9 24.1 36.1
 145 0.0 24.1 36.1#



#68
 1,2,4-trichlorobenzene
 Concen: 0.116 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU041682.D
 Acq: 18 Dec 2020 16:36

Tgt Ion:180 Resp: 957
 Ion Ratio Lower Upper
 180 100
 182 78.8 75.4 113.0
 145 18.0 24.5 36.7#





#69

Naphthalene

Concen: 0.131 ug/L

RT: 14.07 min Scan# 3960

Delta R.T. 0.00 min

Lab File: VU041682.D

Acq: 18 Dec 2020 16:36

Instrument :

MSVOA_U

ClientSampleId :

VIBLK36

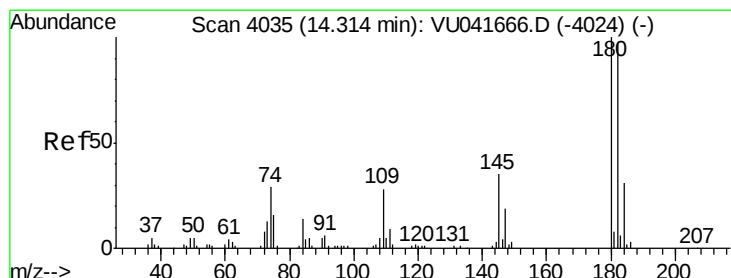
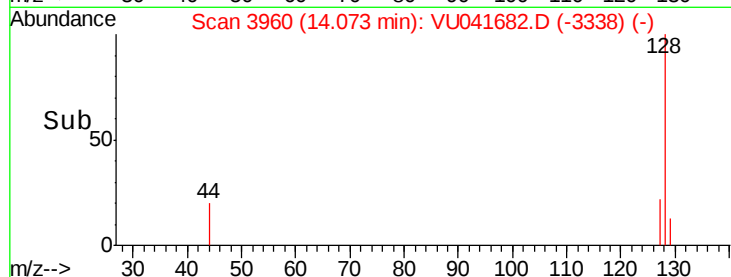
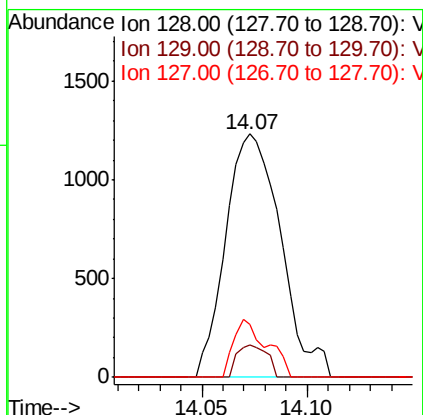
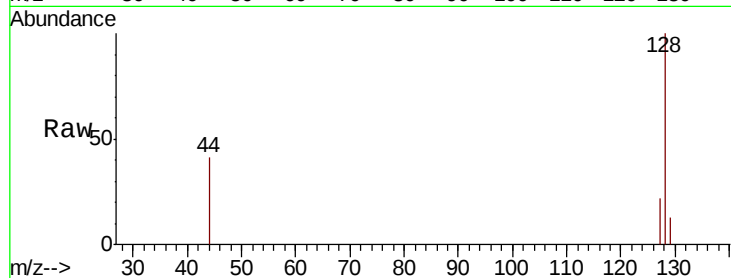
Tot Ion:128 Resp: 2232

Ion Ratio Lower Upper

128 100

129 7.1 8.7 13.1#

127 14.5 10.2 15.4



#70

1,2,3-Trichlorobenzene

Concen: 0.116 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.01 min

Lab File: VU041682.D

Acq: 18 Dec 2020 16:36

Tgt Ion:180 Resp: 917

Ion Ratio Lower Upper

180 100

182 95.4 77.0 115.4

145 19.8 26.4 39.6#

