

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122520\
 Data File : VU041813.D
 Acq On : 24 Dec 2020 17:53
 Operator : SY/MD
 Sample : L5185-16DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG4T2DL

Quant Time: Dec 25 03:48:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Dec 25 03:47:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	125274	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	119750	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	53393	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	39068	3.99	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.80%
7) Chloroethane-d5	1.92	69	41464	5.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.40%
11) 1,1-Dichloroethene-d2	2.58	63	58636	3.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.00%
20) 2-Butanone-d5	4.66	46	170011	60.43	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.86%
24) Chloroform-d	5.08	84	89264	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.40%
26) 1,2-Dichloroethane-d4	5.72	65	48406	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
32) Benzene-d6	5.74	84	158900	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
36) 1,2-Dichloropropane-d6	6.70	67	53681	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.80%
41) Toluene-d8	7.91	98	123976	4.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.20%
43) trans-1,3-Dichloropropene-	8.19	79	20635	4.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.40%
46) 2-Hexanone-d5	8.64	63	128352	48.57	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.14%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48890	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	49798	5.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.00%

Target Compounds

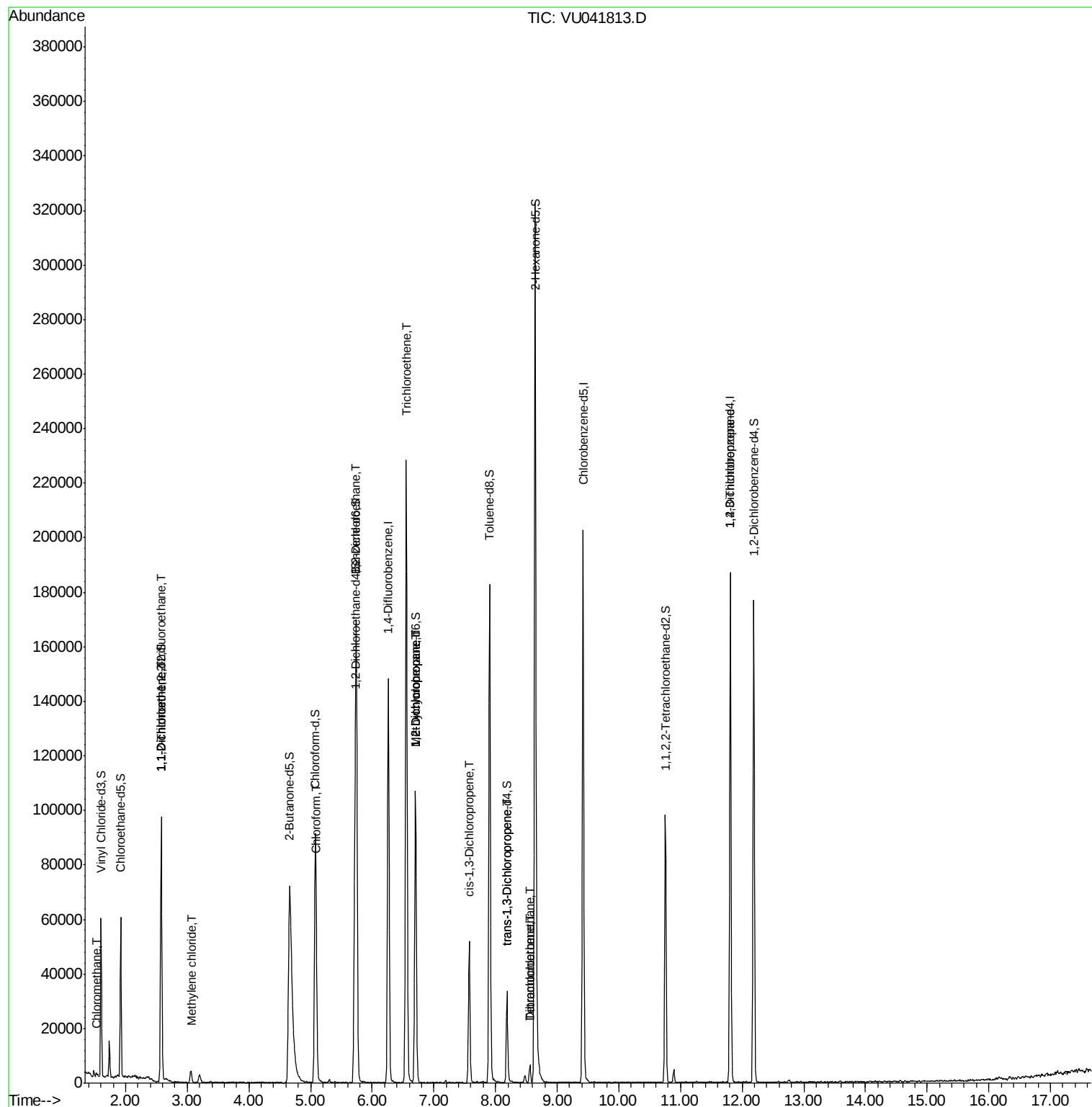
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.52	50	683	0.066	ug/L #	80
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	514	0.060	ug/L #	22
12) 1,1-Dichloroethene	2.57	96	478	0.056	ug/L #	1
16) Methylene chloride	3.06	84	2274	0.224	ug/L	93
25) Chloroform	5.10	83	1432	0.087	ug/L	80
27) 1,2-Dichloroethane	5.74	62	896	0.080	ug/L #	73
34) Trichloroethene	6.55	95	78551	8.162	ug/L	92
35) Methylcyclohexane	6.70	83	13015	0.837	ug/L #	18
37) 1,2-Dichloropropane	6.70	63	5420	0.553	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1027	0.071	ug/L #	13
44) trans-1,3-Dichloropropene	8.18	75	984	0.076	ug/L #	72
47) Tetrachloroethene	8.56	164	1724	0.256	ug/L #	74
49) Dibromochloromethane	8.55	129	1288	0.155	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	5726	0.778	ug/L	98

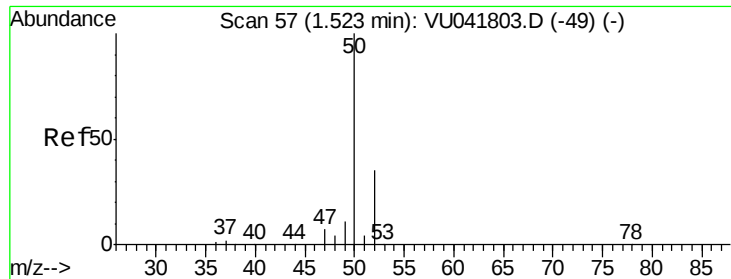
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 25 03:47:04 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.066 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041813.D

Acq: 24 Dec 2020 17:53

Instrument :

MSVOA_U

ClientSampleId :

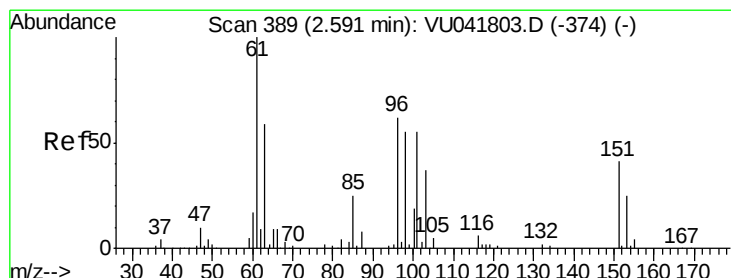
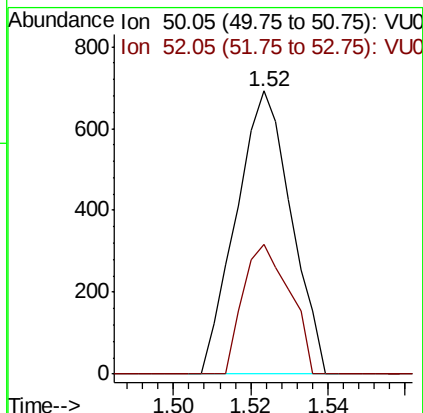
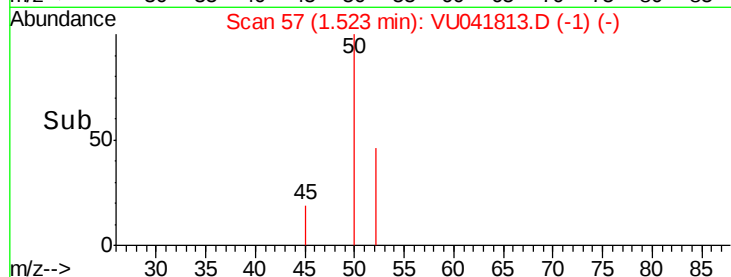
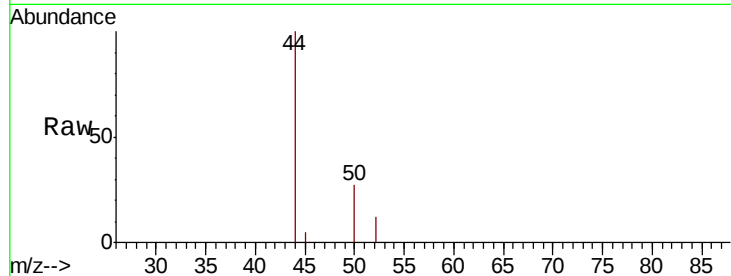
BG4T2DL

Tot Ion: 50 Resp: 683

Ion Ratio Lower Upper

50 100

52 46.0 24.1 44.8#



#10

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

Concen: 0.060 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.01 min

Lab File: VU041813.D

Acq: 24 Dec 2020 17:53

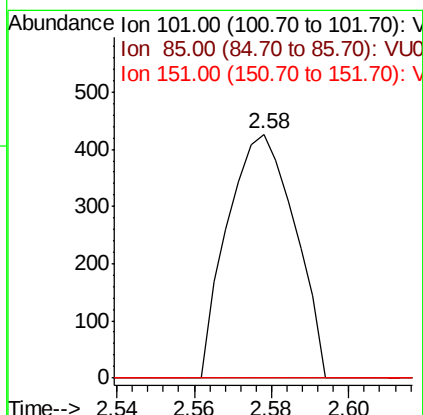
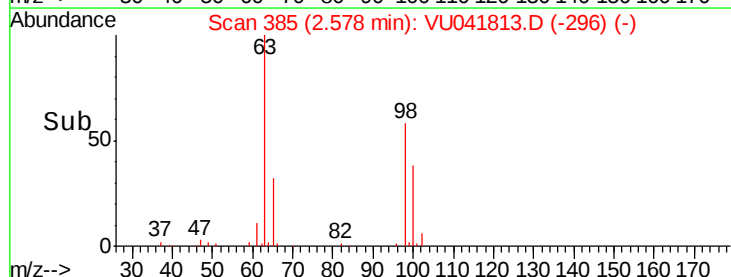
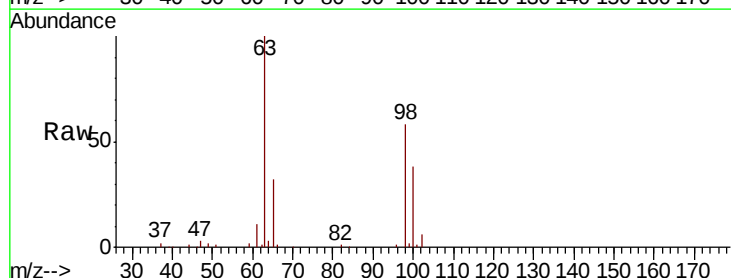
Tgt Ion: 101 Resp: 514

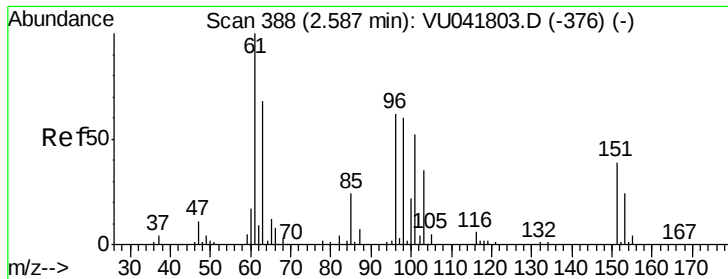
Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

151 0.0 56.2 84.4#





#12

1,1-Dichloroethene

Concen: 0.056 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.01 min

Lab File: VU041813.D

Acq: 24 Dec 2020 17:53

Instrument :

MSVOA_U

ClientSampleId :

BG4T2DL

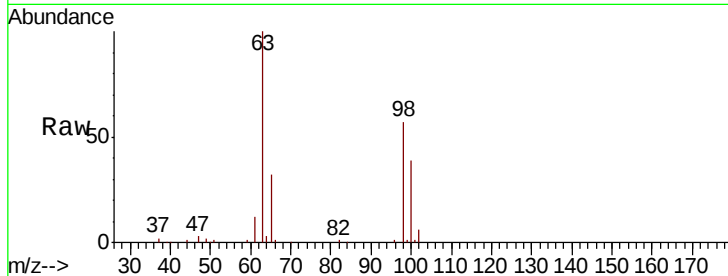
Tot Ion: 96 Resp: 478

Ion Ratio Lower Upper

96 100

61 1217.5 123.8 230.0#

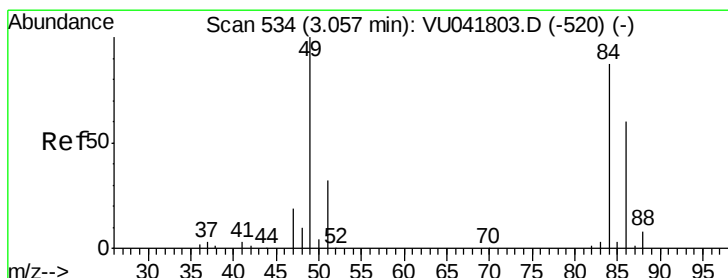
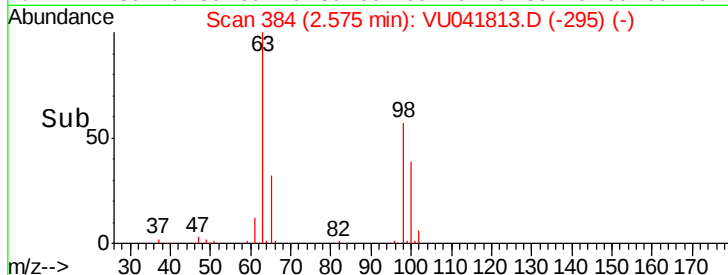
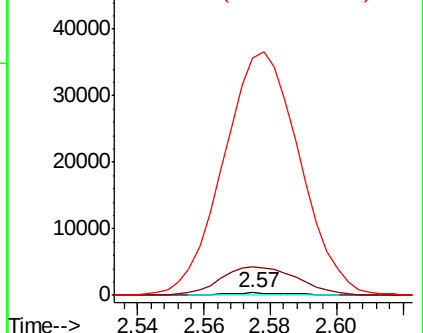
63 10070.1 81.0 150.4#



Abundance Ion 96.00 (95.70 to 96.70): VU041813.D (-295) (-)

Ion 61.05 (60.75 to 61.75): VU041813.D (-295) (-)

Ion 63.00 (62.70 to 63.70): VU041813.D (-295) (-)



#16

Methylene chloride

Concen: 0.224 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.01 min

Lab File: VU041813.D

Acq: 24 Dec 2020 17:53

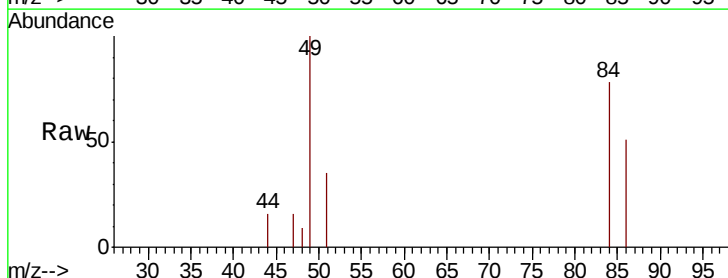
Tgt Ion: 84 Resp: 2274

Ion Ratio Lower Upper

84 100

86 65.7 45.1 83.7

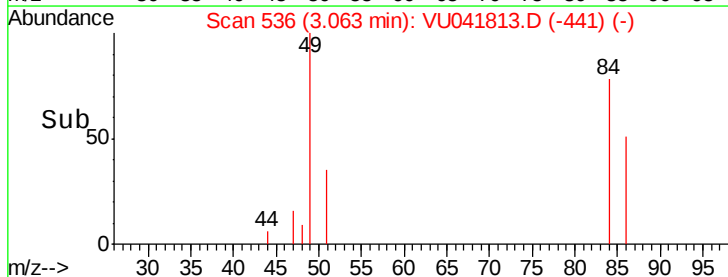
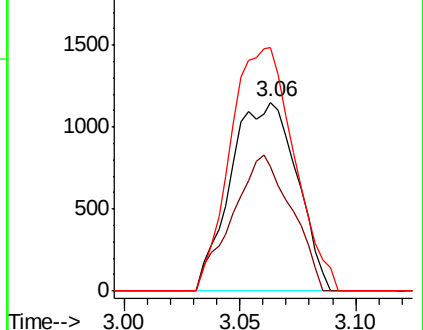
49 129.0 83.1 154.3

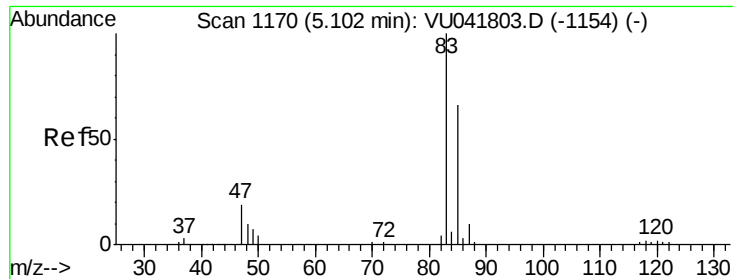


Abundance Ion 84.05 (83.75 to 84.75): VU041813.D (-441) (-)

Ion 86.00 (85.70 to 86.70): VU041813.D (-441) (-)

Ion 49.10 (48.80 to 49.80): VU041813.D (-441) (-)

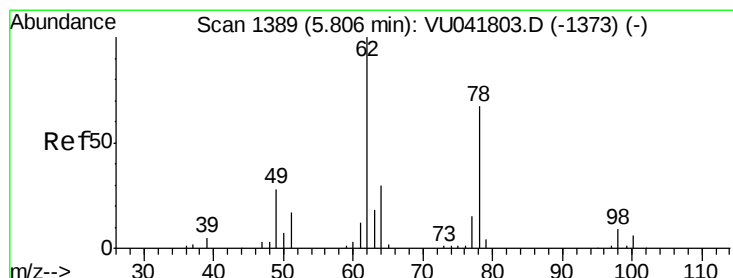
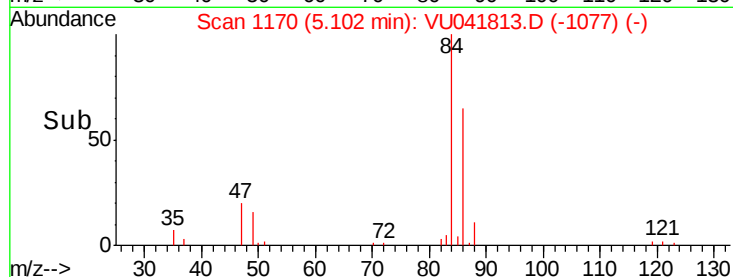
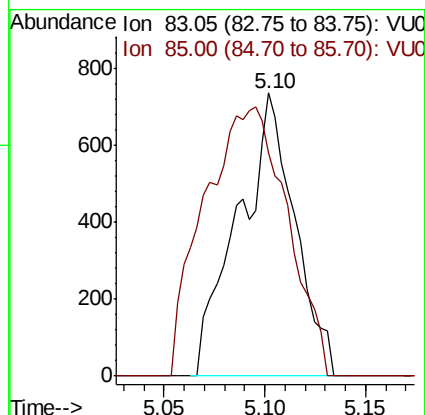
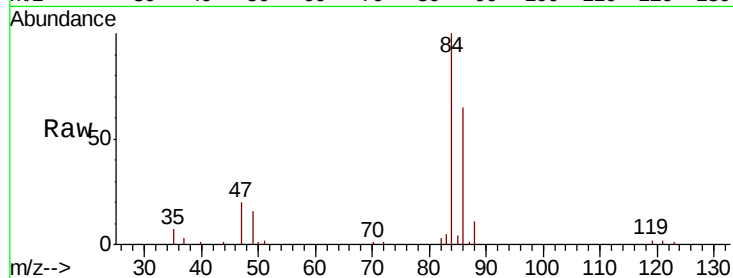




#25
Chloroform
Concen: 0.087 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. 0.00 min
Lab File: VU041813.D
Acq: 24 Dec 2020 17:53

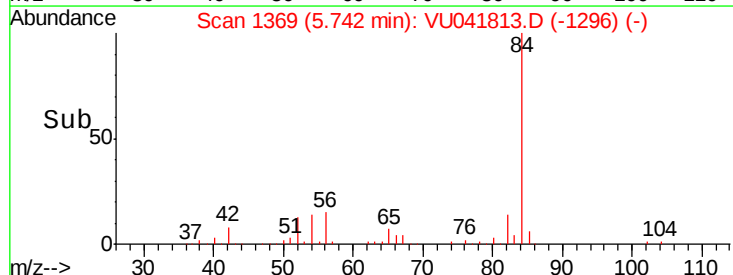
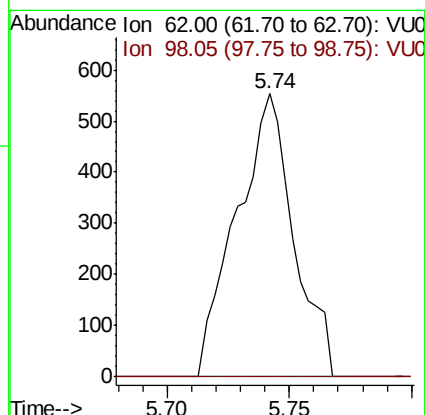
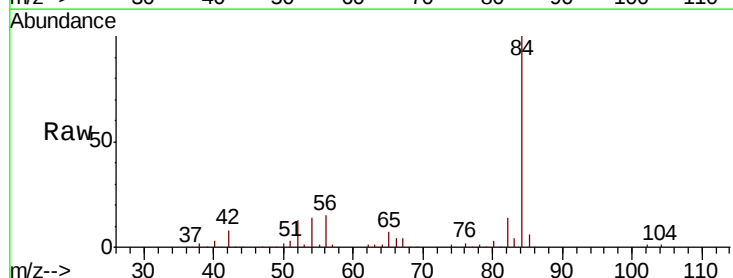
Instrument :
MSVOA_U
ClientSampleId :
BG4T2DL

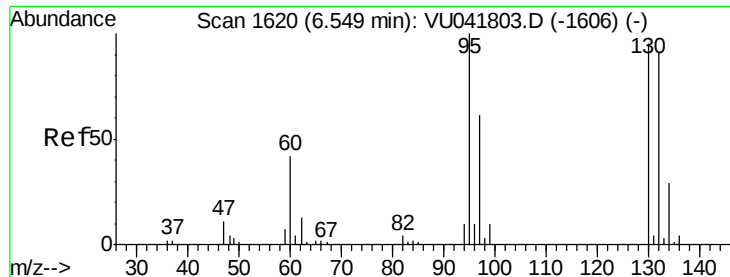
Tot Ion: 83 Resp: 1432
Ion Ratio Lower Upper
83 100
85 78.8 44.2 82.0



#27
1,2-Dichloroethane
Concen: 0.080 ug/L
RT: 5.74 min Scan# 1369
Delta R.T. -0.06 min
Lab File: VU041813.D
Acq: 24 Dec 2020 17:53

Tgt Ion: 62 Resp: 896
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.2#





#34

Trichloroethene

Concen: 8.162 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041813.D

Acq: 24 Dec 2020 17:53

Instrument :

MSVOA_U

ClientSampleId :

BG4T2DL

Tot Ion: 95 Resp: 78551

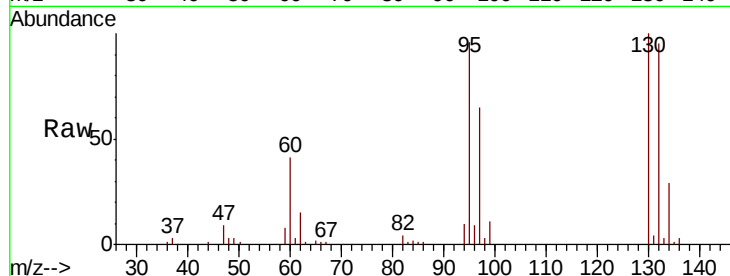
Ion Ratio Lower Upper

95 100

97 67.8 43.9 81.5

132 98.9 63.1 117.3

130 104.5 67.4 125.2

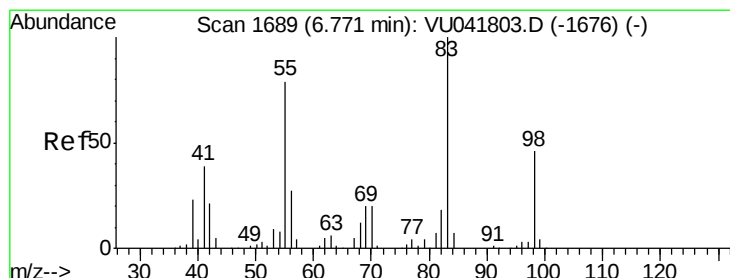
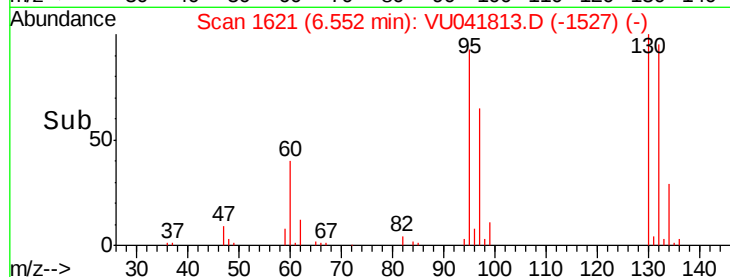
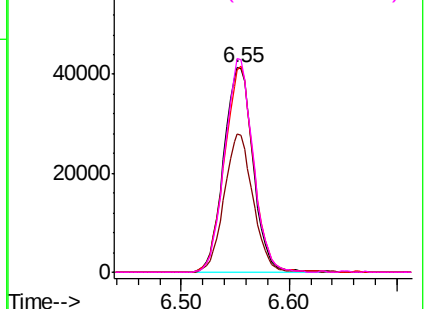


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.837 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU041813.D

Acq: 24 Dec 2020 17:53

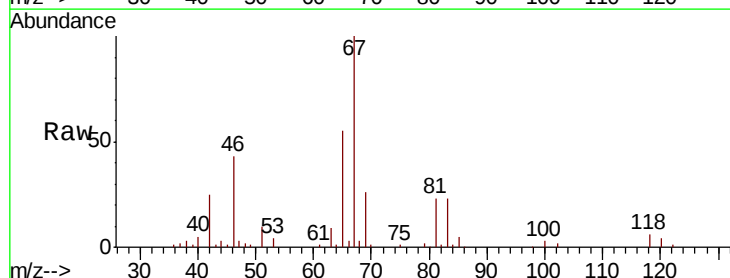
Tgt Ion: 83 Resp: 13015

Ion Ratio Lower Upper

83 100

55 0.0 61.2 91.8#

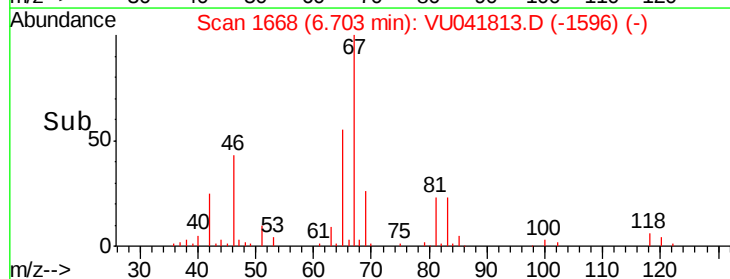
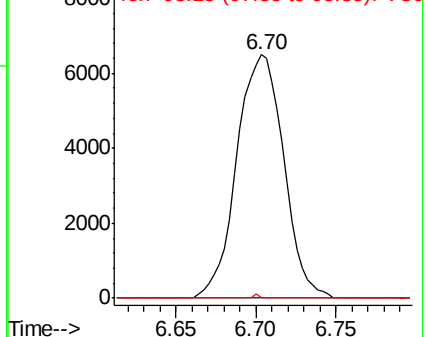
98 0.0 36.6 54.8#

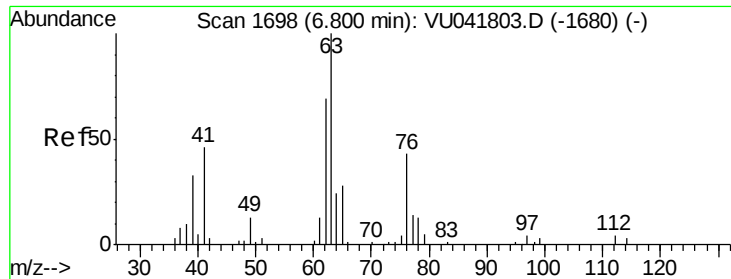


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

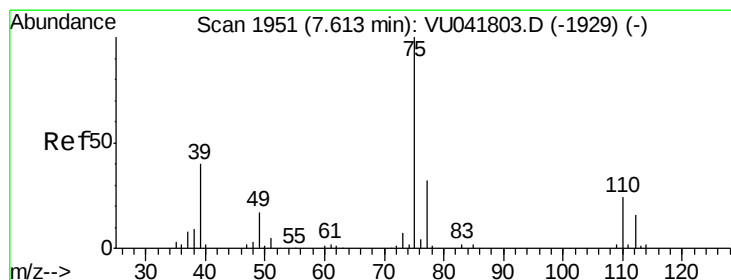
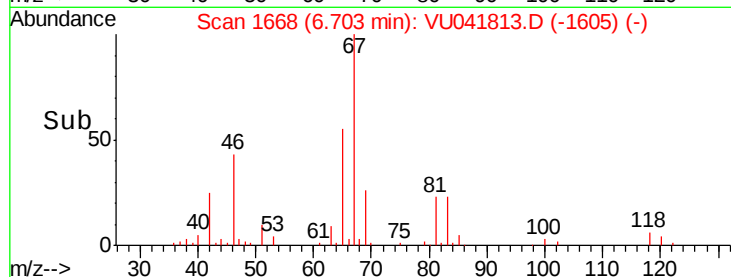
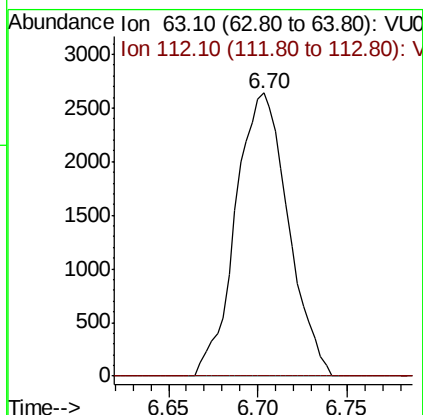
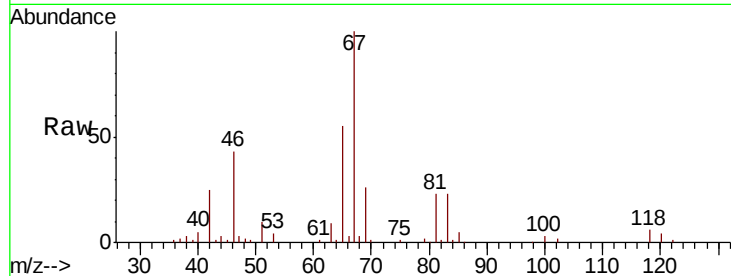




#37
 1,2-Dichloropropane
 Concen: 0.553 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU041813.D
 Acq: 24 Dec 2020 17:53

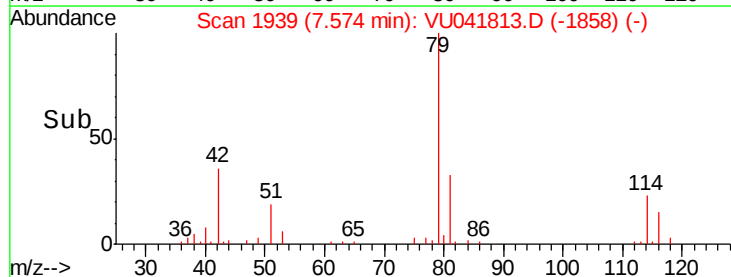
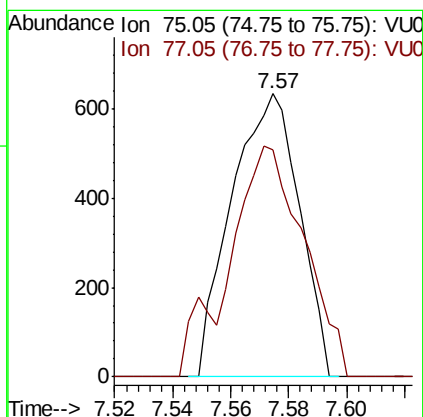
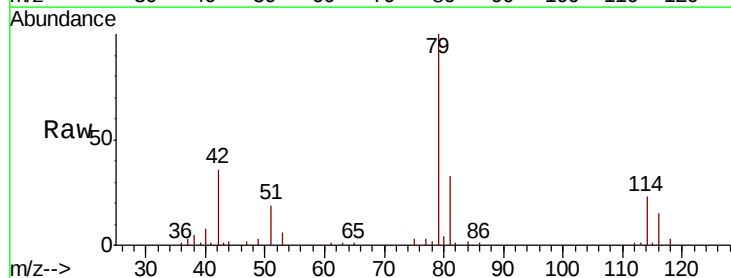
Instrument :
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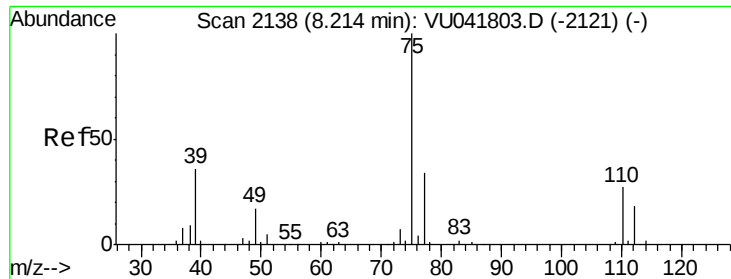
Tot Ion: 63 Resp: 5420
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.071 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041813.D
 Acq: 24 Dec 2020 17:53

Tgt Ion: 75 Resp: 1027
 Ion Ratio Lower Upper
 75 100
 77 80.4 22.3 41.3#

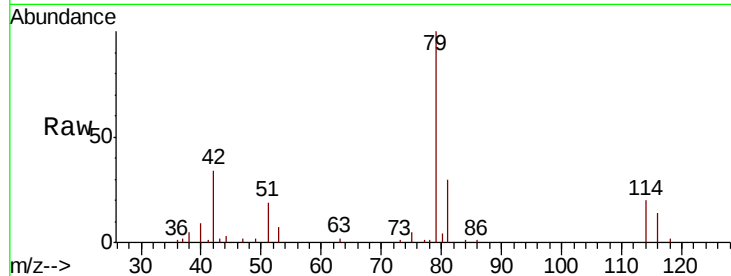




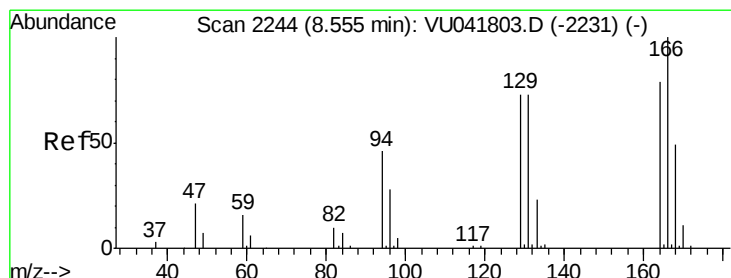
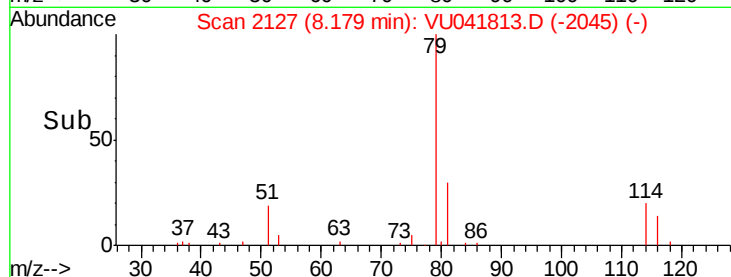
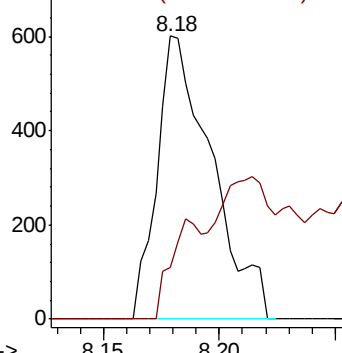
#44
trans-1,3-Dichloropropene
Concen: 0.076 ug/L
RT: 8.18 min Scan# 2127
Delta R.T. -0.04 min
Lab File: VU041813.D
Acq: 24 Dec 2020 17:53

Instrument :
MSVOA_U
ClientSampleId :
BG4T2DL

Tot Ion: 75 Resp: 984
Ion Ratio Lower Upper
75 100
77 18.1 23.8 44.2#

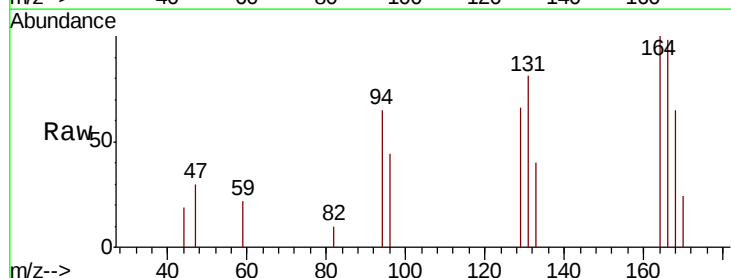


Abundance Ion 75.05 (74.75 to 75.75): VU0
Ion 77.05 (76.75 to 77.75): VU0

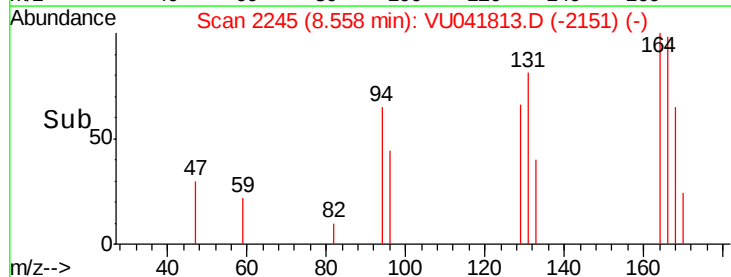
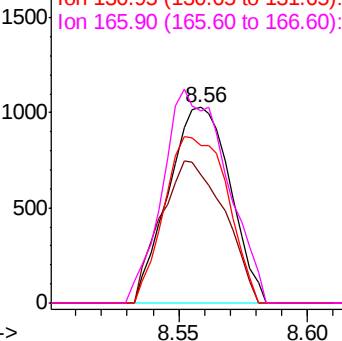


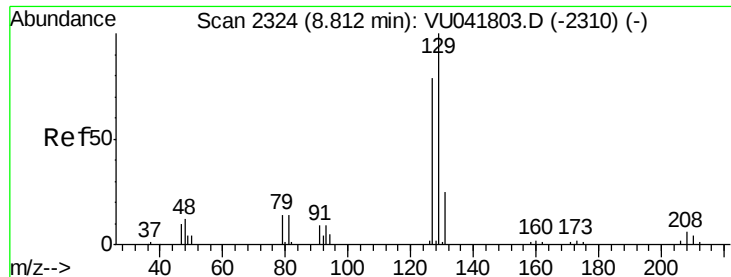
#47
Tetrachloroethene
Concen: 0.256 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU041813.D
Acq: 24 Dec 2020 17:53

Tgt Ion:164 Resp: 1724
Ion Ratio Lower Upper
164 100
129 65.8 72.2 134.0#
131 80.9 66.9 124.3
166 98.2 89.6 166.4



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





#49

Dibromochloromethane

Concen: 0.155 ug/L

RT: 8.55 min Scan# 2243

Delta R.T. -0.26 min

Lab File: VU041813.D

Acq: 24 Dec 2020 17:53

Instrument :

MSVOA_U

ClientSampleId :

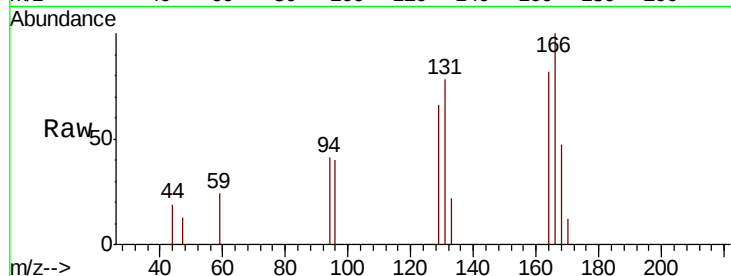
BG4T2DL

Tot Ion:129 Resp: 1288

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.55

800

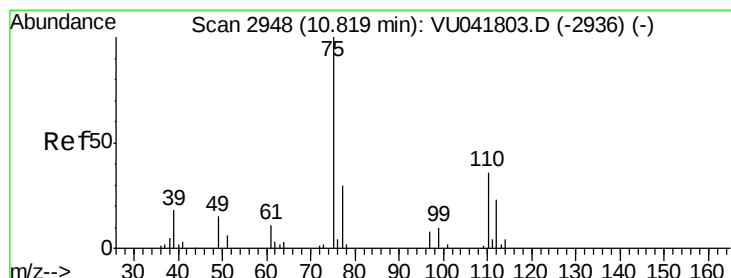
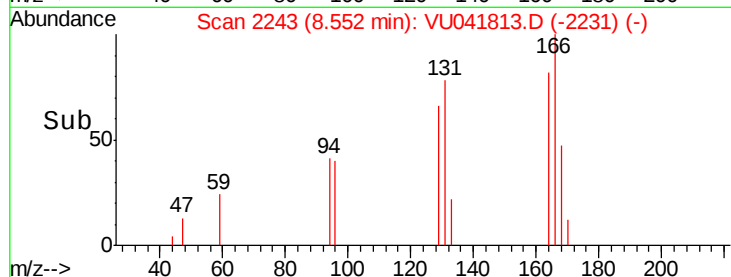
600

400

200

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 0.778 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041813.D

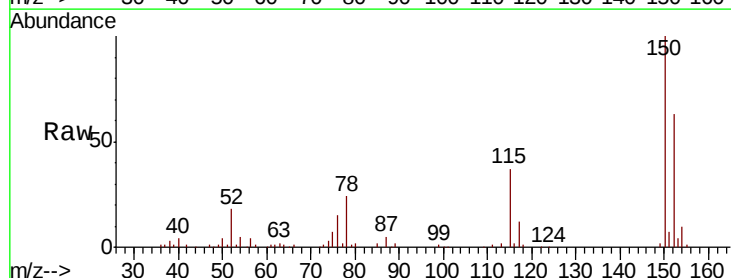
Acq: 24 Dec 2020 17:53

Tgt Ion: 75 Resp: 5726

Ion Ratio Lower Upper

75 100

77 31.6 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

4000

3000

2000

1000

0

Time-->

