

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121520\
 Data File : VU041651.D
 Acq On : 15 Dec 2020 21:05
 Operator : SY/MD
 Sample : L5029-09
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 16 04:37:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 16 04:34:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	109024	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	107417	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	47557	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	26816	3.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	63.00%
7) Chloroethane-d5	1.92	69	28100	4.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.20%
11) 1,1-Dichloroethene-d2	2.58	63	44278	2.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.40%#
20) 2-Butanone-d5	4.66	46	137883	56.32	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.64%
24) Chloroform-d	5.08	84	70551	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
26) 1,2-Dichloroethane-d4	5.72	65	42361	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
32) Benzene-d6	5.74	84	130202	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.60%
36) 1,2-Dichloropropane-d6	6.70	67	43770	4.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.80%
41) Toluene-d8	7.90	98	111193	4.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.20%
43) trans-1,3-Dichloropropene-	8.19	79	18416	4.25	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.00%
46) 2-Hexanone-d5	8.64	63	108026	45.57	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.14%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	46267	5.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	45936	5.43	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.60%

Target Compounds

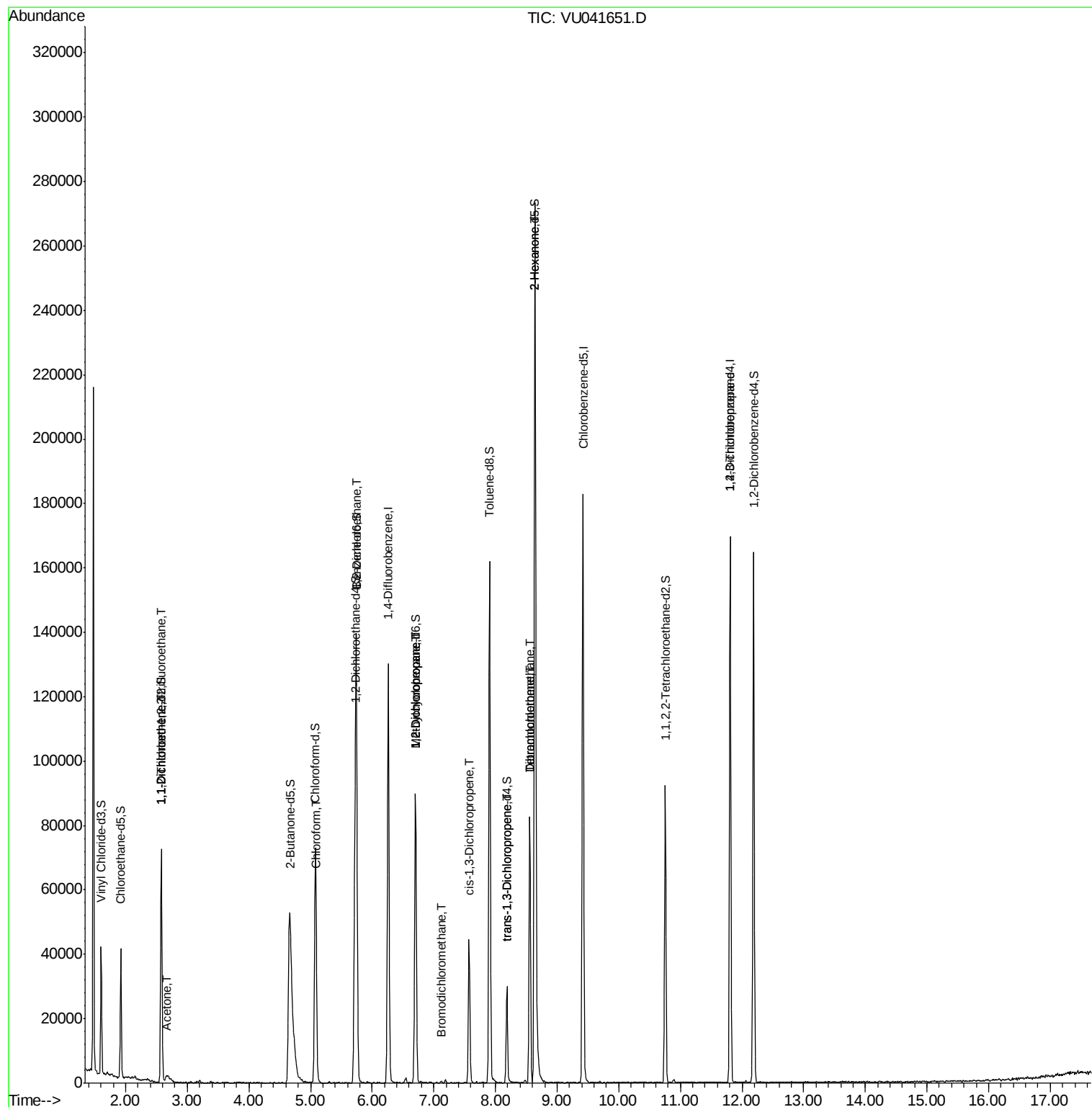
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	345	0.046	ug/L #	22
12) 1,1-Dichloroethene	2.58	96	441	0.060	ug/L #	1
13) Acetone	2.66	43	2159	1.386	ug/L	42
25) Chloroform	5.10	83	1418	0.098	ug/L	80
27) 1,2-Dichloroethane	5.74	62	676	0.069	ug/L #	73
35) Methylcyclohexane	6.70	83	10386	0.744	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	4774	0.543	ug/L #	88
38) Bromodichloromethane	7.12	83	416	0.038	ug/L #	90
39) cis-1,3-Dichloropropene	7.57	75	961	0.074	ug/L #	55
44) trans-1,3-Dichloropropene	8.19	75	628	0.054	ug/L #	82
47) Tetrachloroethene	8.56	164	18430	3.050	ug/L	98
48) 2-Hexanone	8.64	43	11298	2.483	ug/L #	66
49) Dibromochloromethane	8.56	129	17855	2.392	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	4926	0.746	ug/L	100

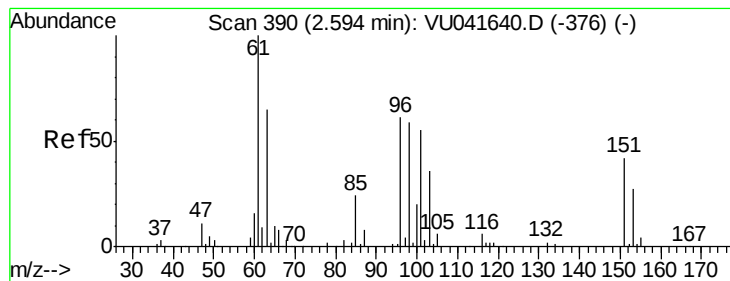
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121520\
Data File : VU041651.D
Acq On : 15 Dec 2020 21:05
Operator : SY/MD
Sample : L5029-09
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Dec 16 04:37:58 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Dec 16 04:34:43 2020
Response via : Initial Calibration





#10

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

Concen: 0.046 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU041651.D

Acq: 15 Dec 2020 21:05

Instrument :

MSVOA_U

ClientSampleId :

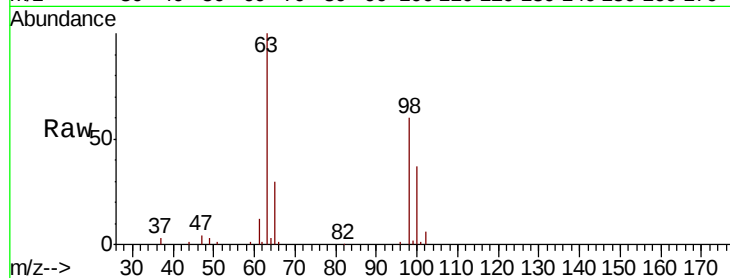
Tot Ion:101 Resp: 345

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

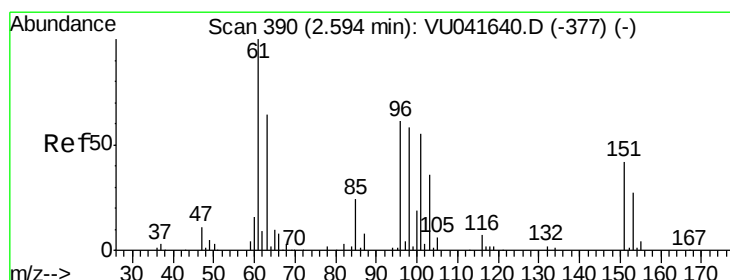
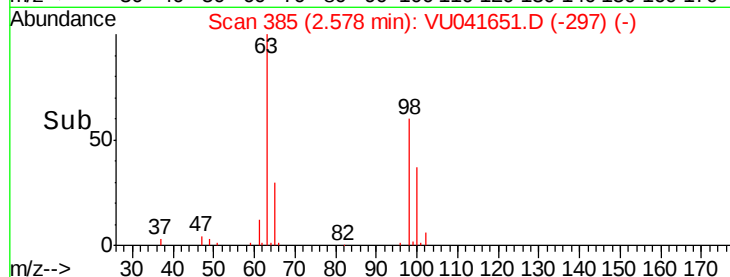
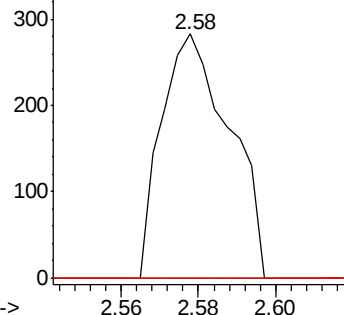
151 0.0 56.2 84.4#



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



#12

1,1-Dichloroethene

Concen: 0.060 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU041651.D

Acq: 15 Dec 2020 21:05

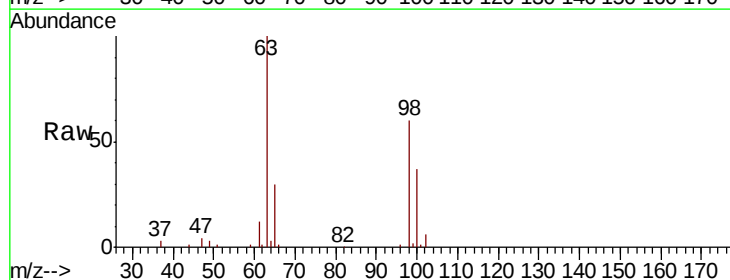
Tgt Ion: 96 Resp: 441

Ion Ratio Lower Upper

96 100

61 908.3 123.8 230.0#

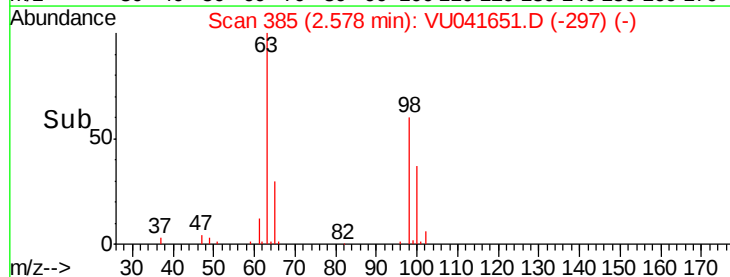
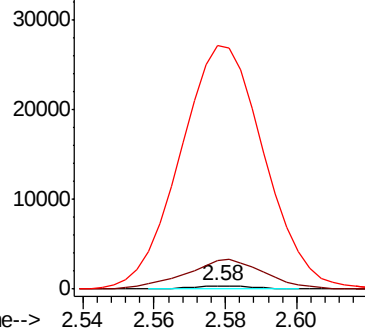
63 7781.6 81.0 150.4#

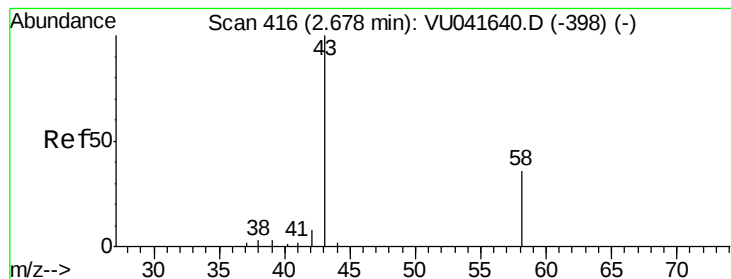


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.386 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.01 min

Lab File: VU041651.D

Acq: 15 Dec 2020 21:05

Instrument :

MSVOA_U

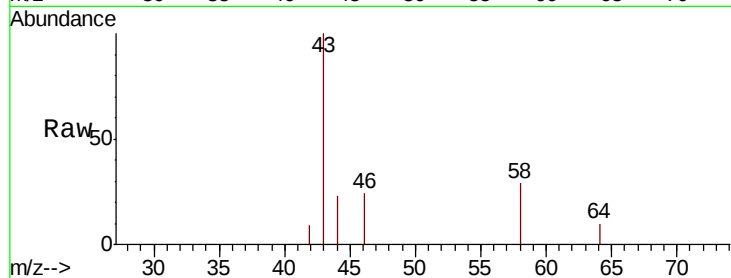
ClientSampleId :

Tot Ion: 43 Resp: 2159

Ion Ratio Lower Upper

43 100

58 70.9 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU041640.D (-398) (-)

Ion 58.05 (57.75 to 58.75): VU041640.D (-398) (-)

1500

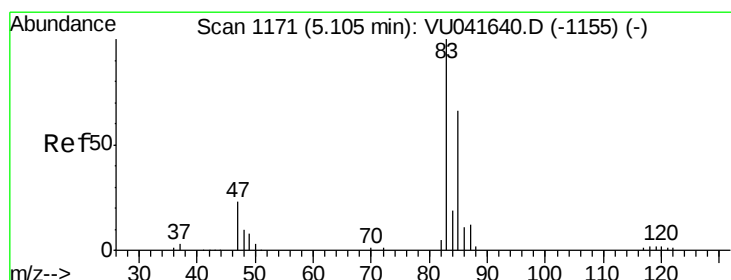
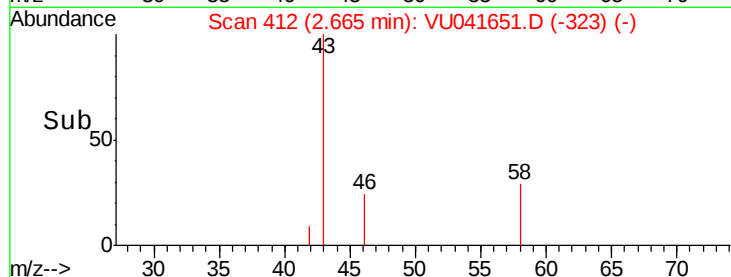
1000

500

0

2.62 2.64 2.66 2.68

Time-->



#25

Chloroform

Concen: 0.098 ug/L

RT: 5.10 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VU041651.D

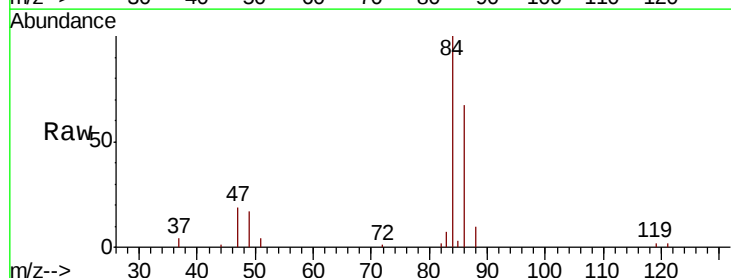
Acq: 15 Dec 2020 21:05

Tgt Ion: 83 Resp: 1418

Ion Ratio Lower Upper

83 100

85 47.9 44.2 82.0



Abundance Ion 83.05 (82.75 to 83.75): VU041640.D (-1155) (-)

Ion 85.00 (84.70 to 85.70): VU041640.D (-1155) (-)

800

600

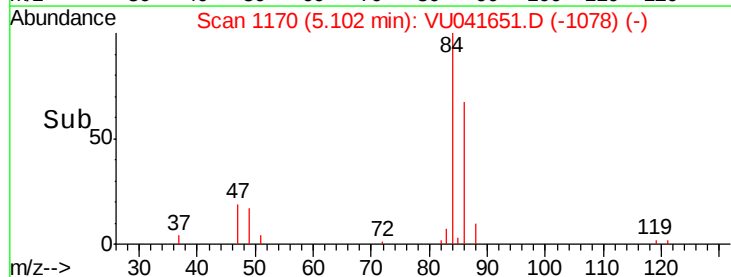
400

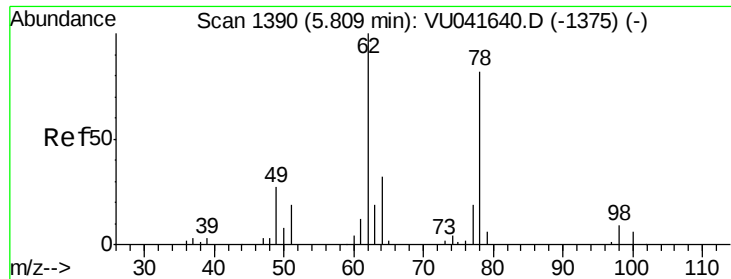
200

0

5.05 5.10 5.15

Time-->

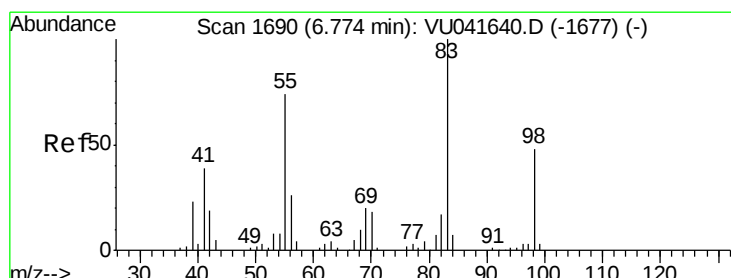
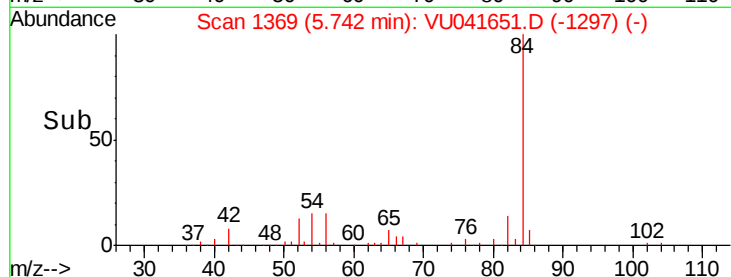
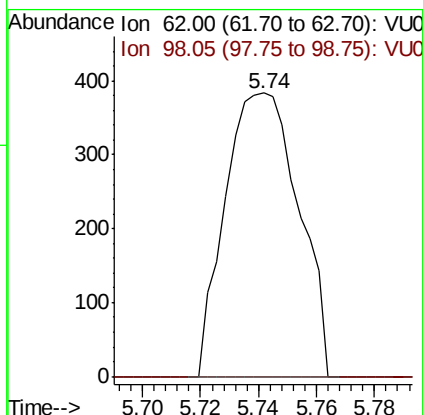
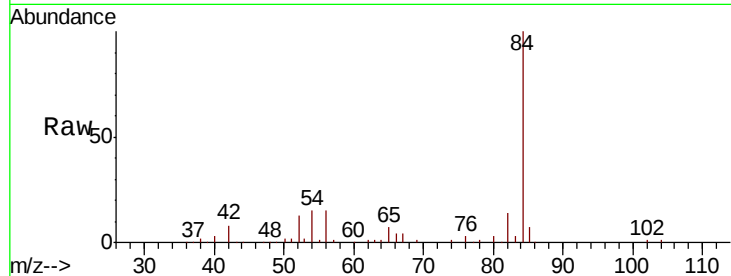




#27
 1,2-Dichloroethane
 Concen: 0.069 ug/L
 RT: 5.74 min Scan# 1369
 Delta R.T. -0.07 min
 Lab File: VU041651.D
 Acq: 15 Dec 2020 21:05

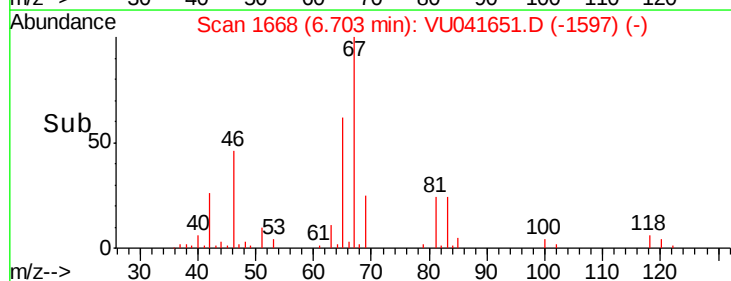
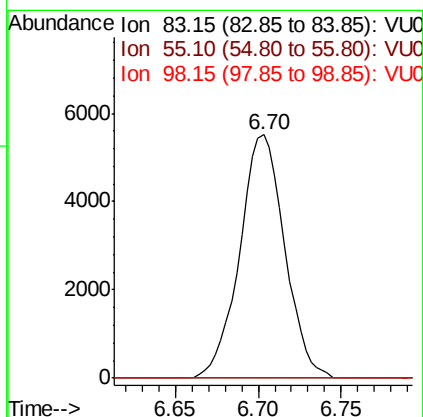
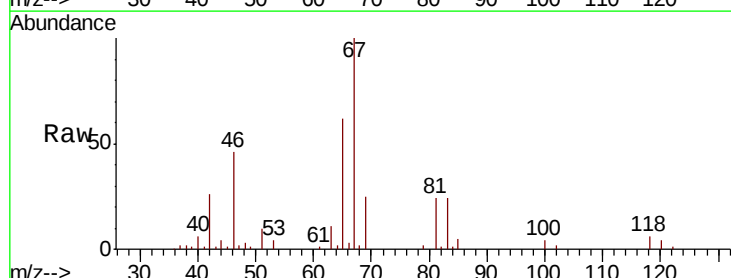
Instrument :
 MSVOA_U
 ClientSampleId :

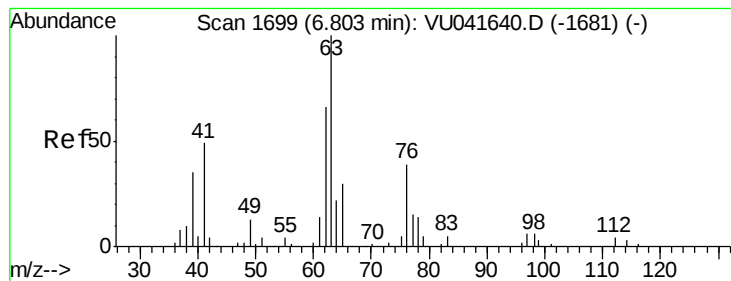
Tot Ion: 62 Resp: 676
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.2 12.2#



#35
 Methylcyclohexane
 Concen: 0.744 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU041651.D
 Acq: 15 Dec 2020 21:05

Tgt Ion: 83 Resp: 10386
 Ion Ratio Lower Upper
 83 100
 55 0.0 61.2 91.8#
 98 1.6 36.6 54.8#





#37

1,2-Dichloropropane

Concen: 0.543 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU041651.D

Acq: 15 Dec 2020 21:05

Instrument :

MSVOA_U

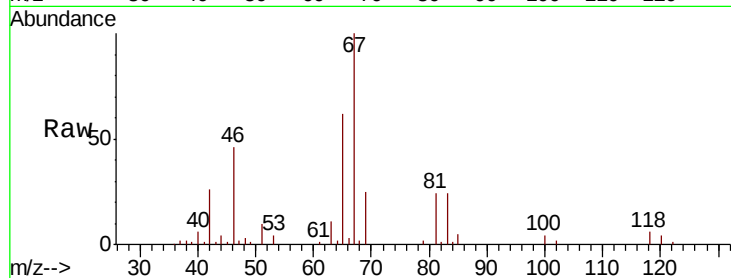
ClientSampleId :

Tot Ion: 63 Resp: 4774

Ion Ratio Lower Upper

63 100

112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU041640.D (-1681) (-)

Ion 112.10 (111.80 to 112.80): VU041640.D (-1681) (-)

6.70

2500

2000

1500

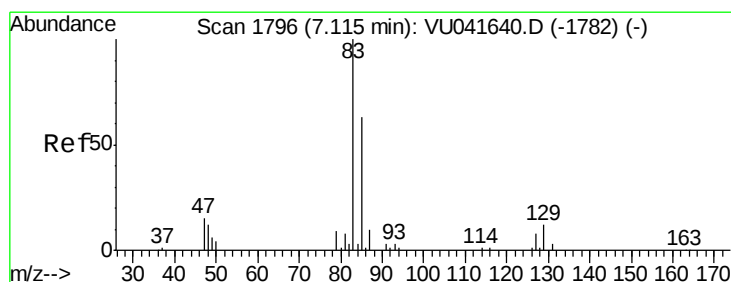
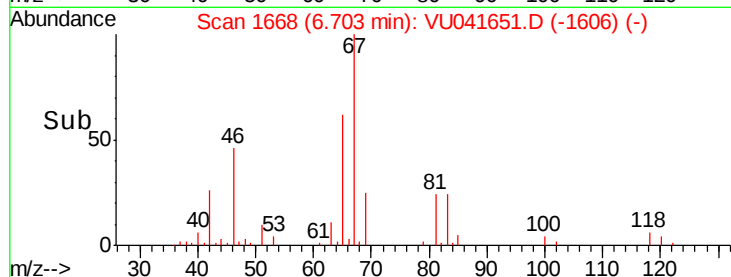
1000

500

0

6.65 6.70 6.75

Time-->



#38

Bromodichloromethane

Concen: 0.038 ug/L

RT: 7.12 min Scan# 1798

Delta R.T. 0.01 min

Lab File: VU041651.D

Acq: 15 Dec 2020 21:05

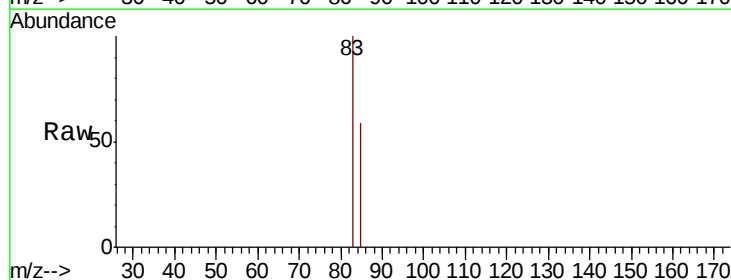
Tgt Ion: 83 Resp: 416

Ion Ratio Lower Upper

83 100

85 58.8 45.5 84.5

127 0.0 7.0 10.6#



Abundance Ion 82.95 (82.65 to 83.65): VU041640.D (-1782) (-)

Ion 85.00 (84.70 to 85.70): VU041640.D (-1782) (-)

Ion 126.90 (126.60 to 127.60): VU041640.D (-1782) (-)

7.12

400

300

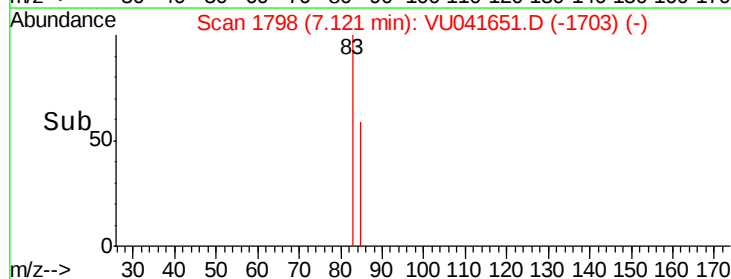
200

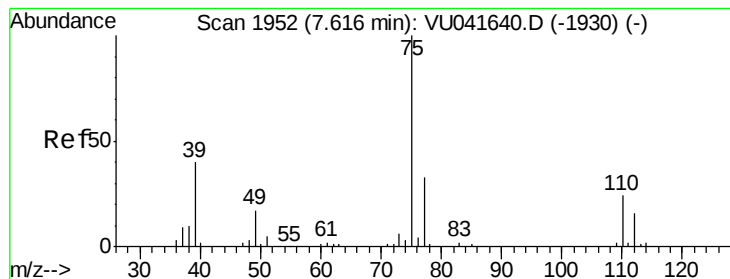
100

0

7.08 7.10 7.12 7.14

Time-->



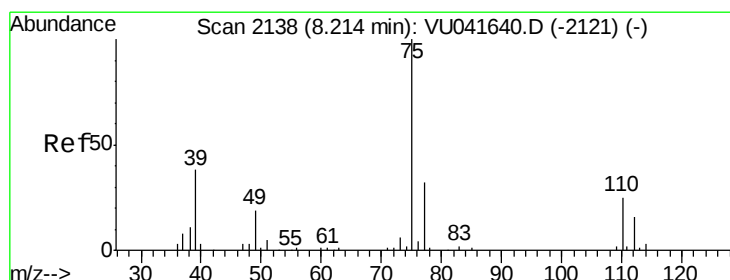
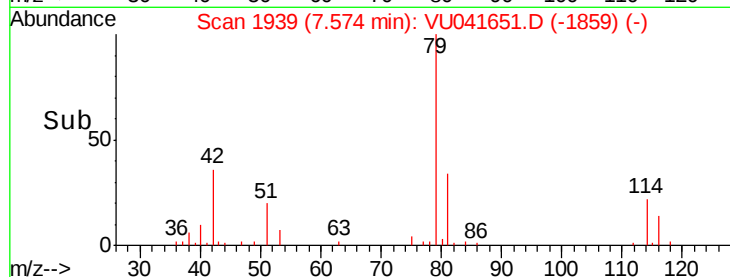
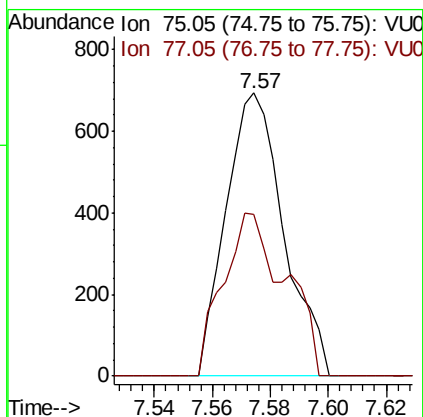
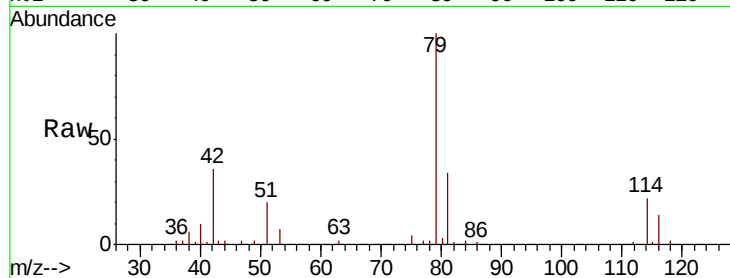


#39

cis-1,3-Dichloropropene
Concen: 0.074 ug/L
RT: 7.57 min Scan# 1939
Delta R.T. -0.04 min
Lab File: VU041651.D
Acq: 15 Dec 2020 21:05

Instrument :
MSVOA_U
ClientSampleId :

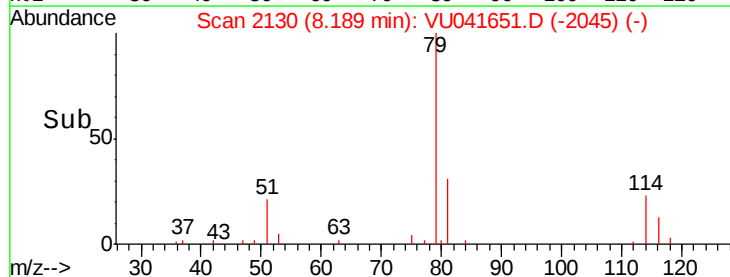
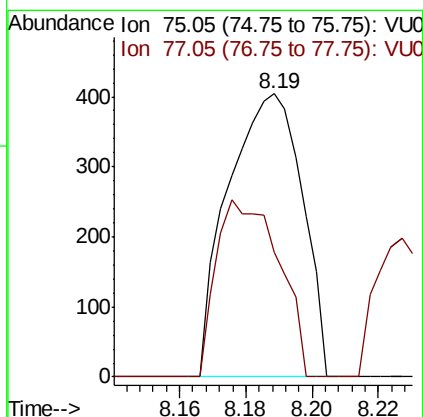
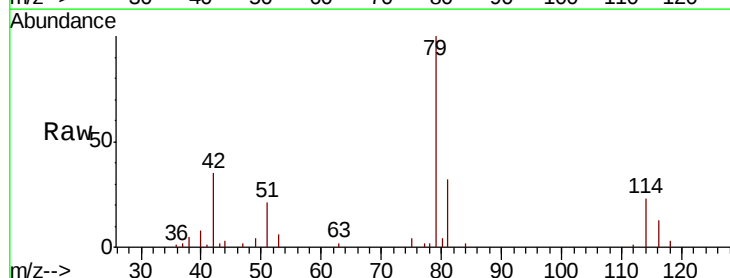
Tot Ion: 75 Resp: 961
Ion Ratio Lower Upper
75 100
77 57.0 22.3 41.3#

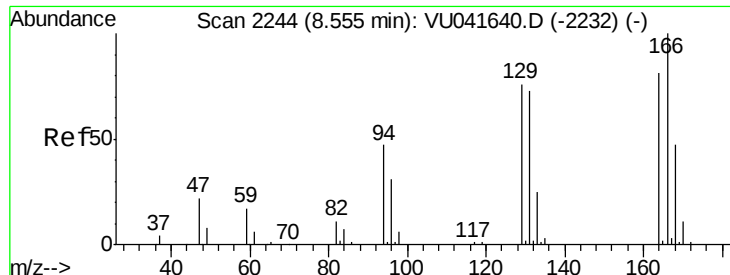


#44

trans-1,3-Dichloropropene
Concen: 0.054 ug/L
RT: 8.19 min Scan# 2130
Delta R.T. -0.03 min
Lab File: VU041651.D
Acq: 15 Dec 2020 21:05

Tgt Ion: 75 Resp: 628
Ion Ratio Lower Upper
75 100
77 44.3 23.8 44.2#

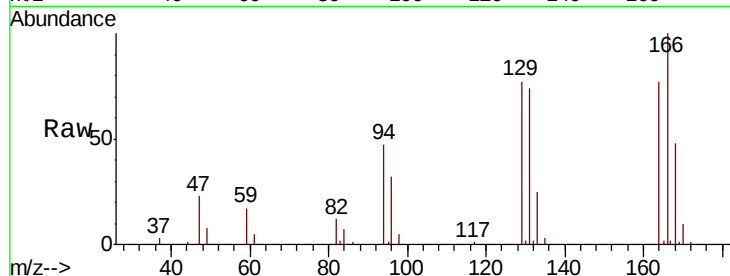




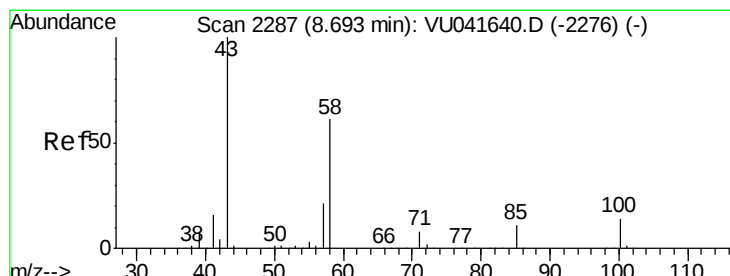
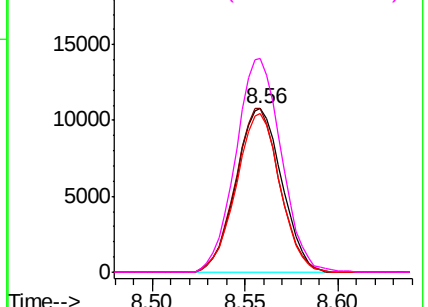
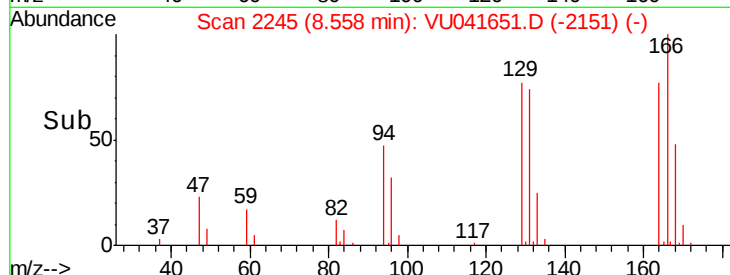
#47
Tetrachloroethene
Concen: 3.050 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU041651.D
Acq: 15 Dec 2020 21:05

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:164 Resp: 18430
Ion Ratio Lower Upper
164 100
129 99.9 72.2 134.0
131 96.8 66.9 124.3
166 130.5 89.6 166.4

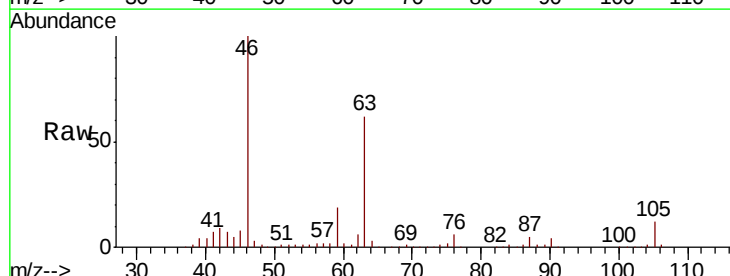


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

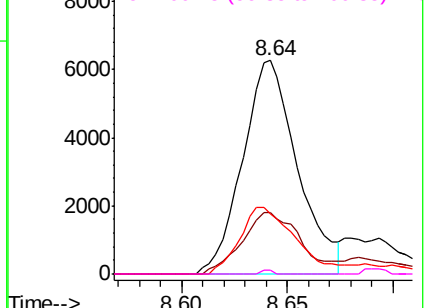
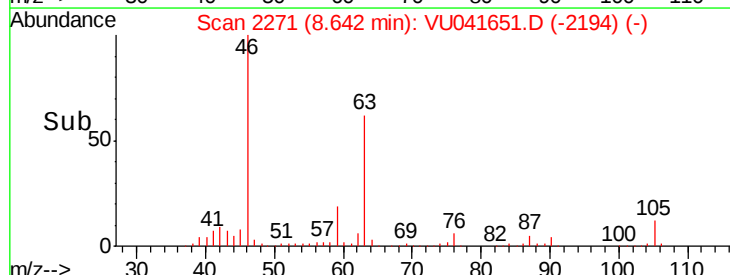


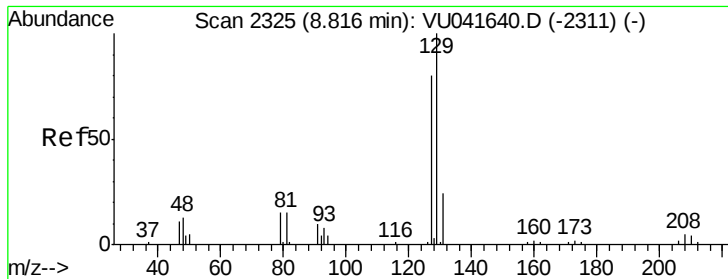
#48
2-Hexanone
Concen: 2.483 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU041651.D
Acq: 15 Dec 2020 21:05

Tgt Ion: 43 Resp: 11298
Ion Ratio Lower Upper
43 100
58 30.5 47.9 71.9#
57 31.8 16.5 24.7#
100 0.4 9.4 14.2#



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

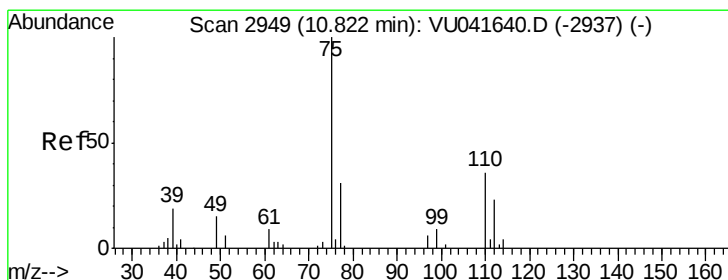
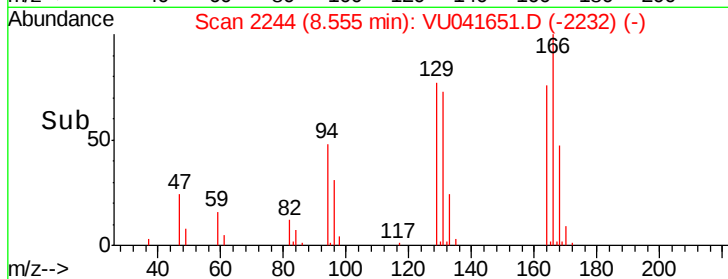
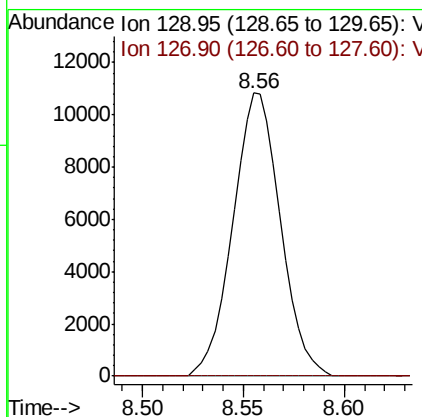
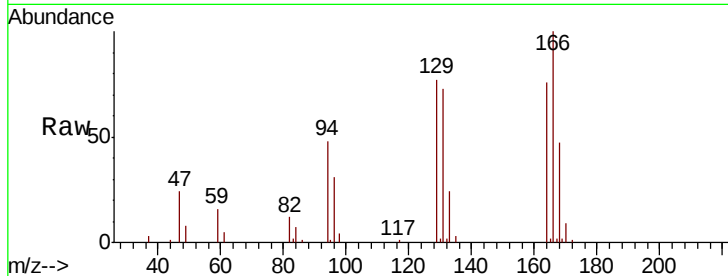




#49
 Dibromochloromethane
 Concen: 2.392 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.26 min
 Lab File: VU041651.D
 Acq: 15 Dec 2020 21:05

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:129 Resp: 17855
 Ion Ratio Lower Upper
 129 100
 127 0.0 54.7 101.7#



#59
 1,2,3-Trichloropropane
 Concen: 0.746 ug/L
 RT: 11.81 min Scan# 3255
 Delta R.T. 0.98 min
 Lab File: VU041651.D
 Acq: 15 Dec 2020 21:05

Tgt Ion: 75 Resp: 4926
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.2 39.2

