

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122520\
 Data File : VU041808.D
 Acq On : 24 Dec 2020 15:54
 Operator : SY/MD
 Sample : L5161-22
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VHBLK01

Quant Time: Dec 25 03:48:14 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	129212	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	124651	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	55561	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	38487	3.81	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.20%
7) Chloroethane-d5	1.92	69	39943	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.20%
11) 1,1-Dichloroethene-d2	2.57	63	58883	3.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.40%
20) 2-Butanone-d5	4.66	46	140620	48.46	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.92%
24) Chloroform-d	5.08	84	82552	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
26) 1,2-Dichloroethane-d4	5.72	65	47327	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
32) Benzene-d6	5.74	84	157381	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
36) 1,2-Dichloropropane-d6	6.70	67	50879	4.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.00%
41) Toluene-d8	7.90	98	126290	3.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.40%
43) trans-1,3-Dichloropropene-	8.19	79	20828	4.14	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.80%
46) 2-Hexanone-d5	8.64	63	122621	44.58	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.16%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	49155	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	49969	5.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

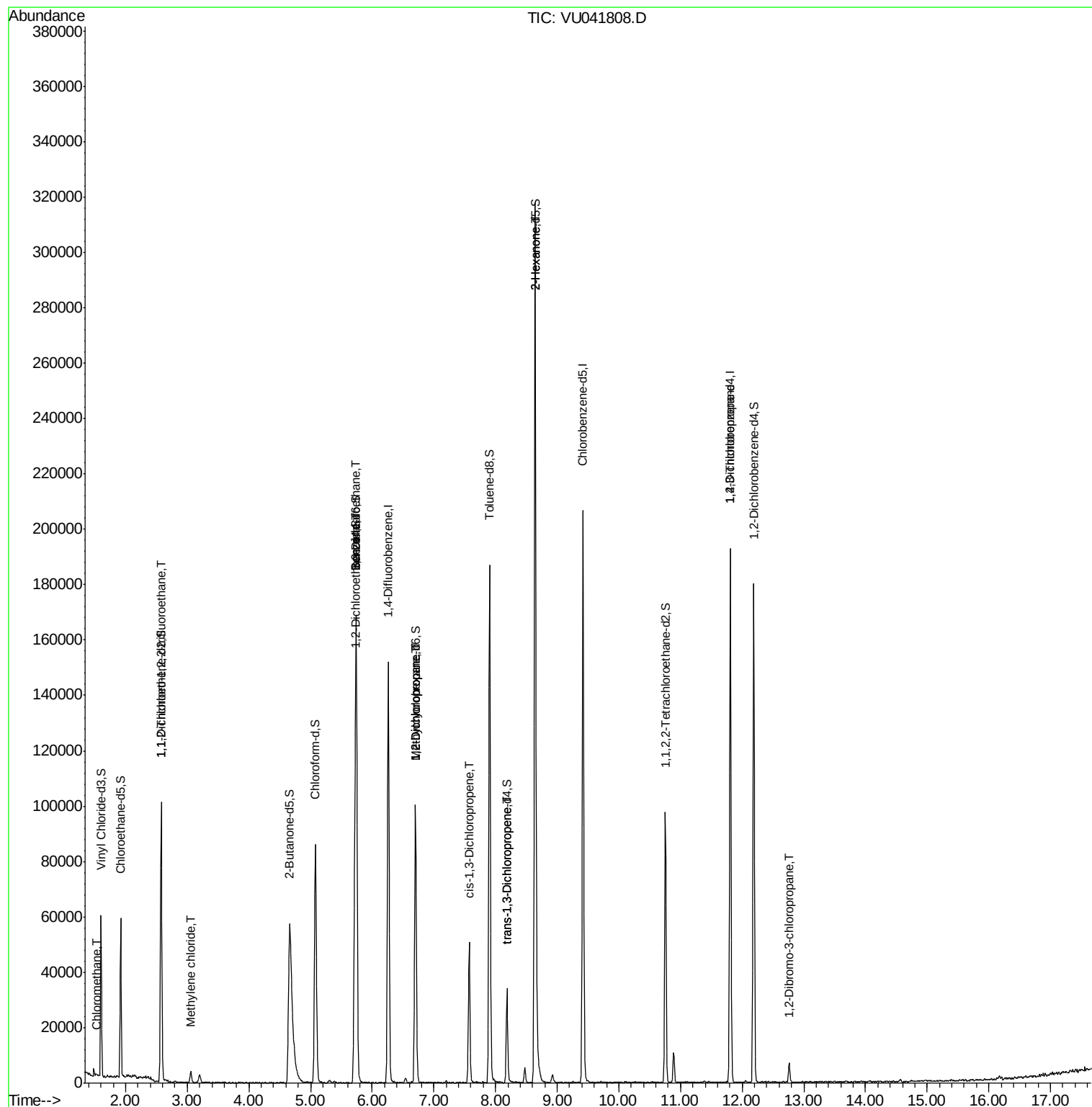
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.52	50	711	0.067	ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	491	0.055	ug/L #	22
16) Methylene chloride	3.05	84	2028	0.194	ug/L	92
27) 1,2-Dichloroethane	5.75	62	841	0.073	ug/L #	73
33) Benzene	5.74	78	1003	0.025	ug/L	100
35) Methylcyclohexane	6.70	83	11747	0.725	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	5652	0.554	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1090	0.072	ug/L #	80
44) trans-1,3-Dichloropropene	8.19	75	894	0.066	ug/L	91
48) 2-Hexanone	8.64	43	13491	2.555	ug/L #	64
59) 1,2,3-Trichloropropane	11.81	75	5833	0.762	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.76	75	136	0.087	ug/L #	8

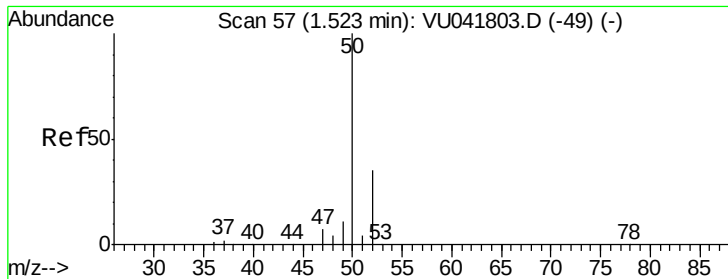
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\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





#3

Chloromethane

Concen: 0.067 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041808.D

Acq: 24 Dec 2020 15:54

Instrument :

MSVOA_U

ClientSampleId :

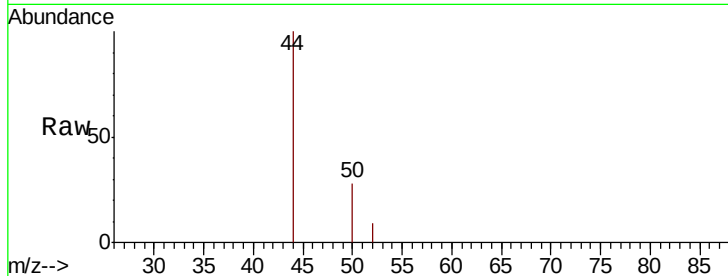
VHBLK01

Tot Ion: 50 Resp: 711

Ion Ratio Lower Upper

50 100

52 30.4 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU041808.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU041808.D (-49) (-)

1.52

600

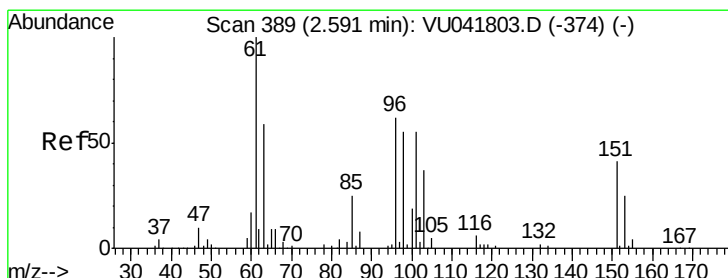
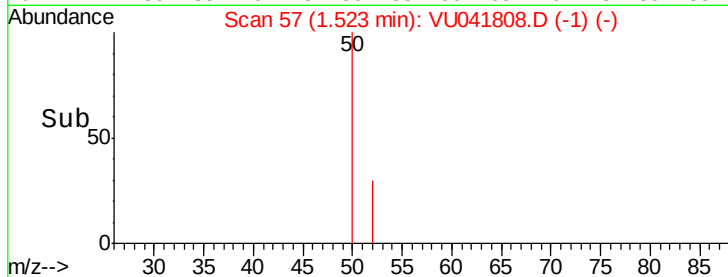
400

200

0

1.50 1.52 1.54 1.56

Time-->



#10

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

Concen: 0.055 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU041808.D

Acq: 24 Dec 2020 15:54

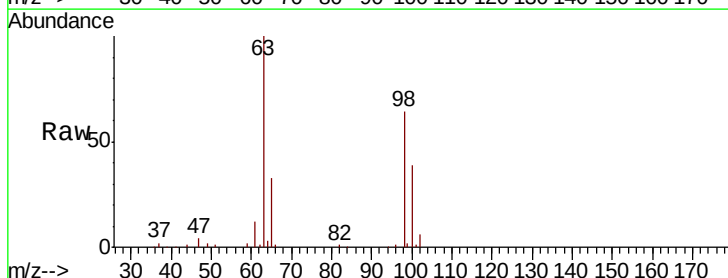
Tgt Ion: 101 Resp: 491

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): VU041808.D (-374) (-)

Ion 85.00 (84.70 to 85.70): VU041808.D (-374) (-)

Ion 151.00 (150.70 to 151.70): VU041808.D (-374) (-)

2.57

300

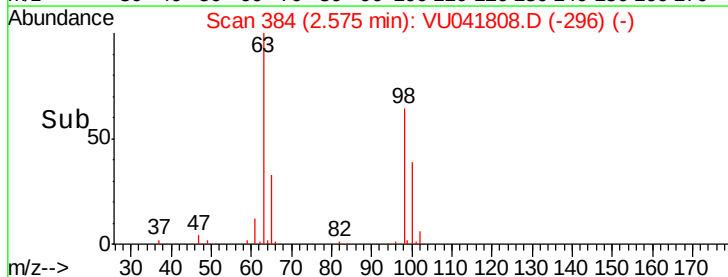
200

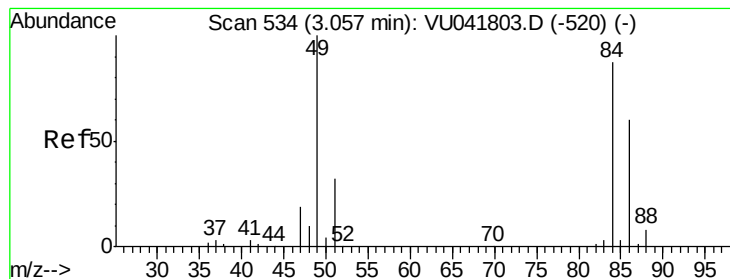
100

0

2.54 2.56 2.58 2.60 2.62

Time-->





#16

Methylene chloride

Concen: 0.194 ug/L

RT: 3.05 min Scan# 533

Delta R.T. -0.00 min

Lab File: VU041808.D

Acq: 24 Dec 2020 15:54

Instrument :

MSVOA_U

ClientSampleId :

VHBLK01

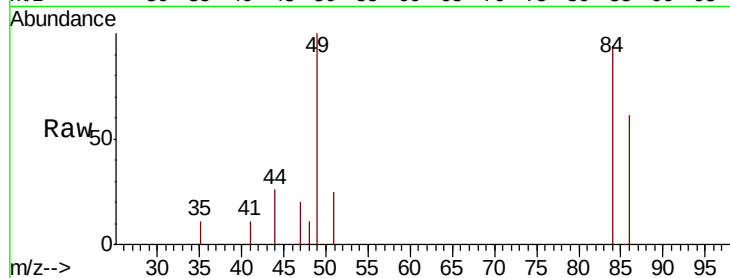
Tot Ion: 84 Resp: 2028

Ion Ratio Lower Upper

84 100

86 64.2 45.1 83.7

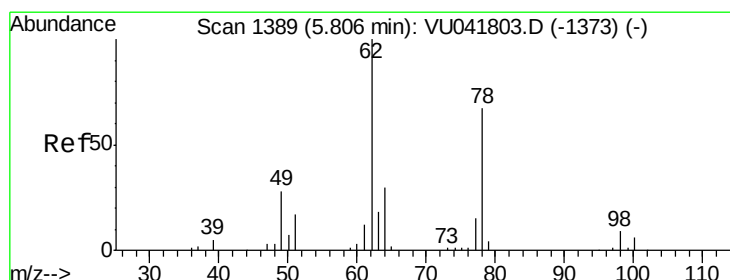
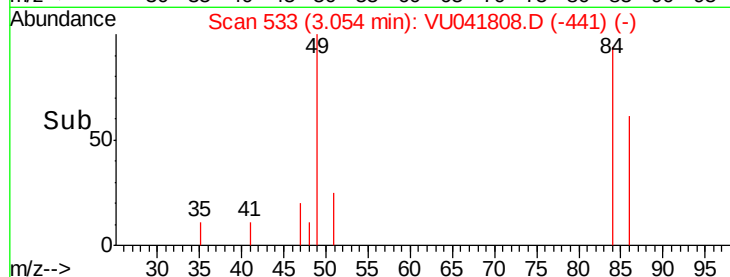
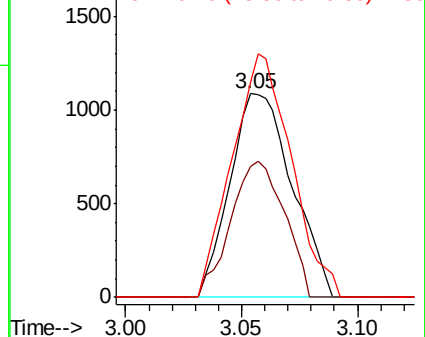
49 105.9 83.1 154.3



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



#27

1,2-Dichloroethane

Concen: 0.073 ug/L

RT: 5.75 min Scan# 1370

Delta R.T. -0.06 min

Lab File: VU041808.D

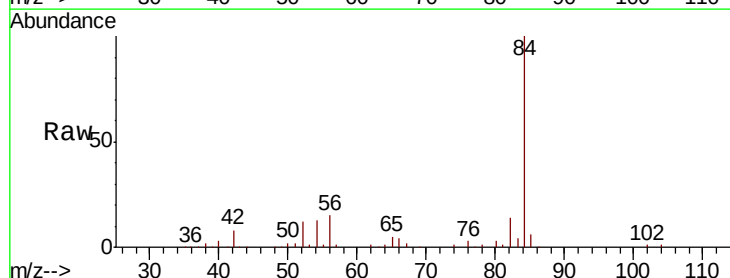
Acq: 24 Dec 2020 15:54

Tgt Ion: 62 Resp: 841

Ion Ratio Lower Upper

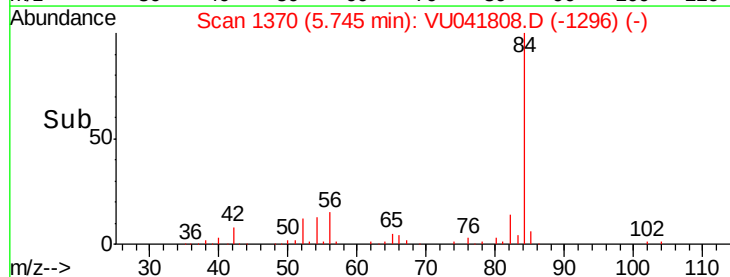
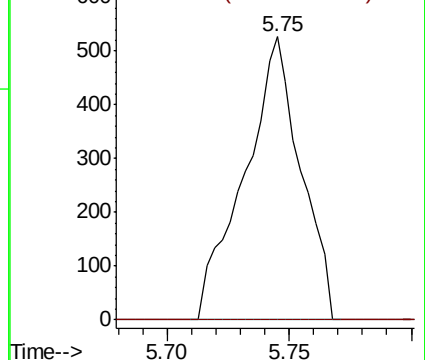
62 100

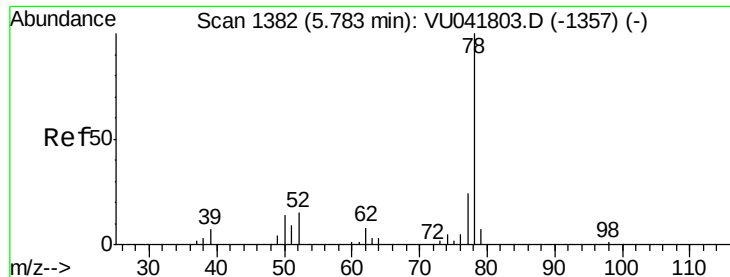
98 0.0 8.2 12.2#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0





#33

Benzene

Concen: 0.025 ug/L

RT: 5.74 min Scan# 1368

Delta R.T. -0.04 min

Lab File: VU041808.D

Acq: 24 Dec 2020 15:54

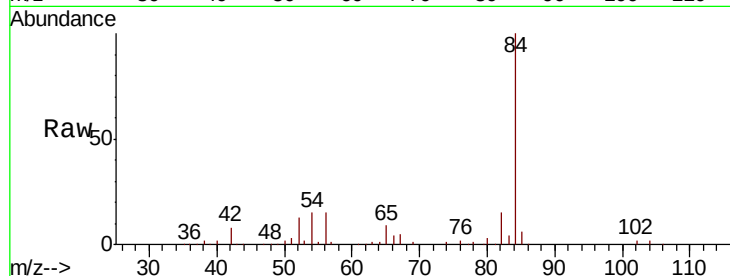
Instrument :

MSVOA_U

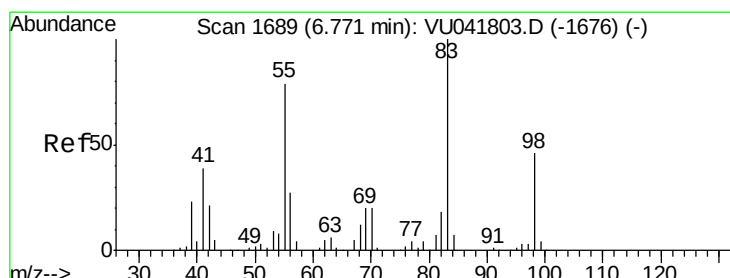
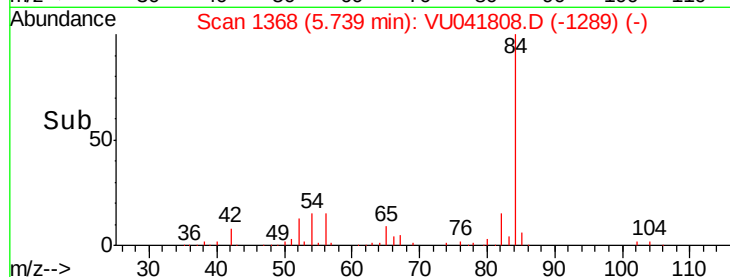
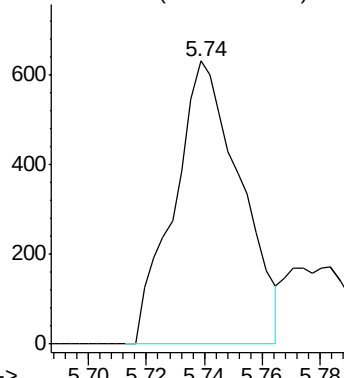
ClientSampleId :

VHBLK01

Tgt Ion: 78 Resp: 1003



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.725 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

Lab File: VU041808.D

Acq: 24 Dec 2020 15:54

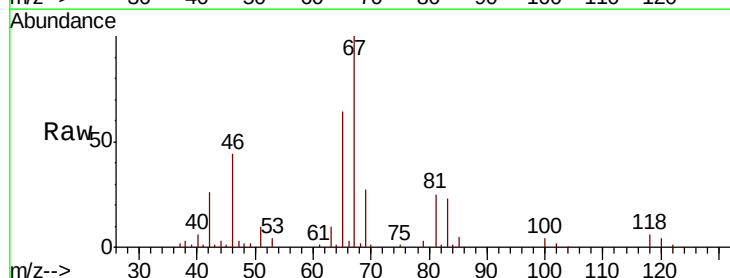
Tgt Ion: 83 Resp: 11747

Ion Ratio Lower Upper

83 100

55 0.0 61.2 91.8#

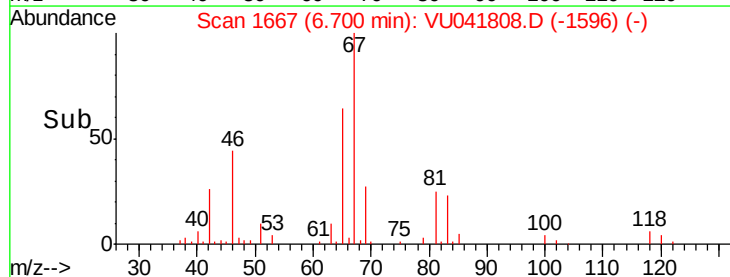
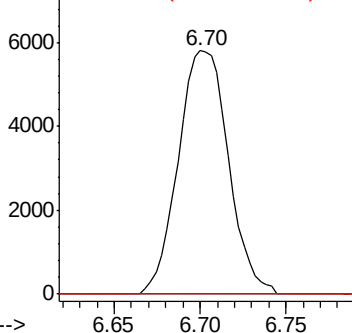
98 1.8 36.6 54.8#

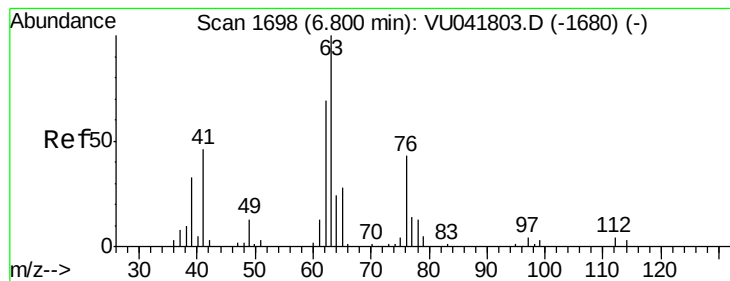


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.554 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.10 min

Lab File: VU041808.D

Acq: 24 Dec 2020 15:54

Instrument :

MSVOA_U

ClientSampleId :

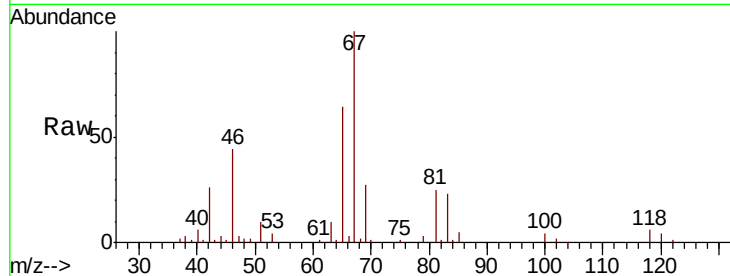
VHBLK01

Tot Ion: 63 Resp: 5652

Ion Ratio Lower Upper

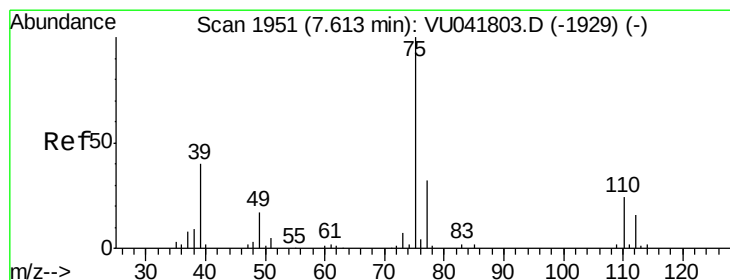
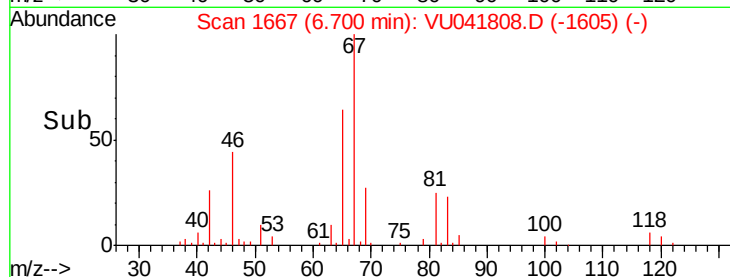
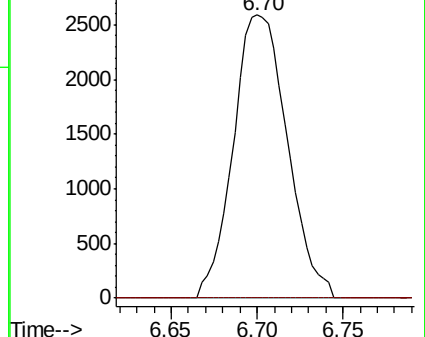
63 100

112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU041803.D (-1680) (-)

Ion 112.10 (111.80 to 112.80): VU041803.D (-1680) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.072 ug/L

RT: 7.57 min Scan# 1938

Delta R.T. -0.04 min

Lab File: VU041808.D

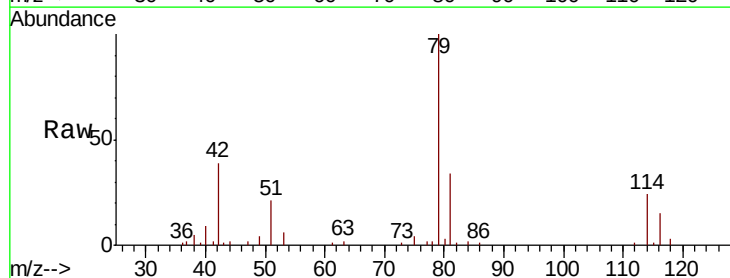
Acq: 24 Dec 2020 15:54

Tgt Ion: 75 Resp: 1090

Ion Ratio Lower Upper

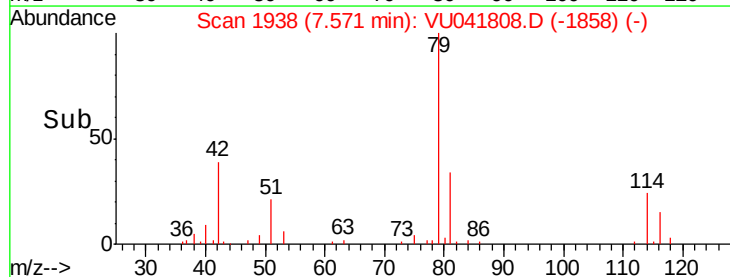
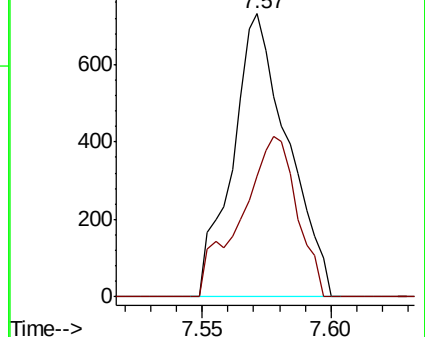
75 100

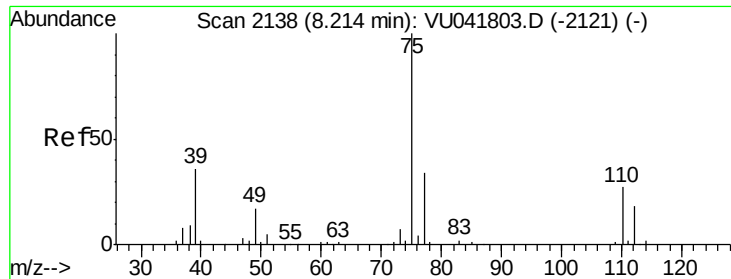
77 42.7 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU041803.D (-1929) (-)

Ion 77.05 (76.75 to 77.75): VU041803.D (-1929) (-)

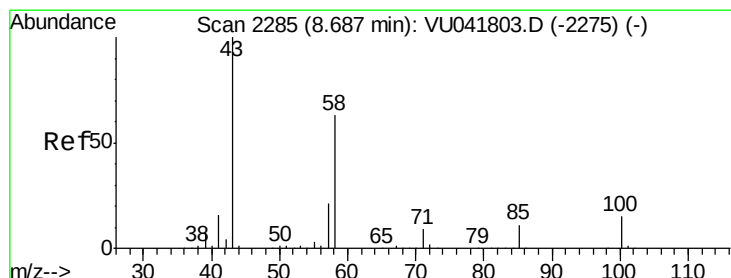
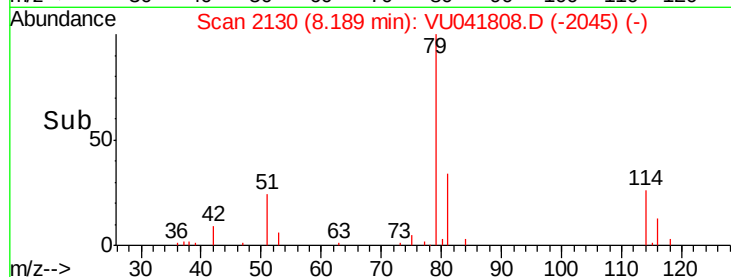
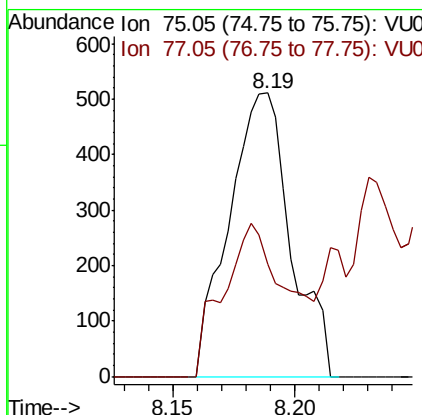
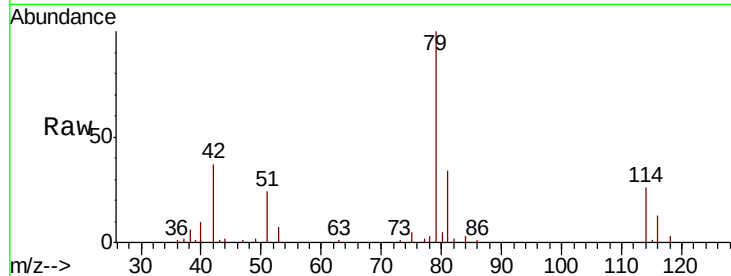




#44
trans-1,3-Dichloropropene
Concen: 0.066 ug/L
RT: 8.19 min Scan# 2130
Delta R.T. -0.03 min
Lab File: VU041808.D
Acq: 24 Dec 2020 15:54

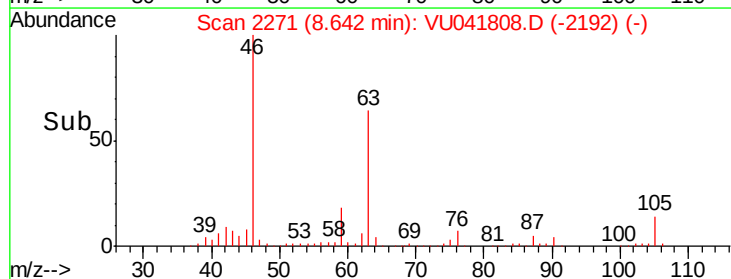
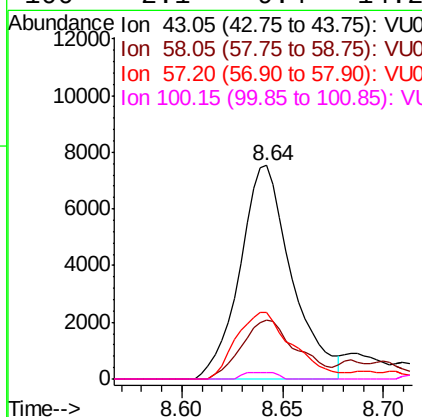
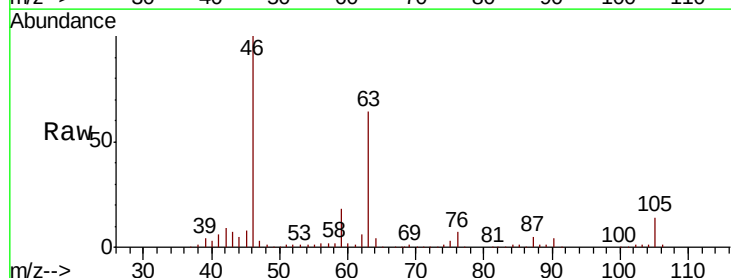
Instrument :
MSVOA_U
ClientSampled :
VHBLK01

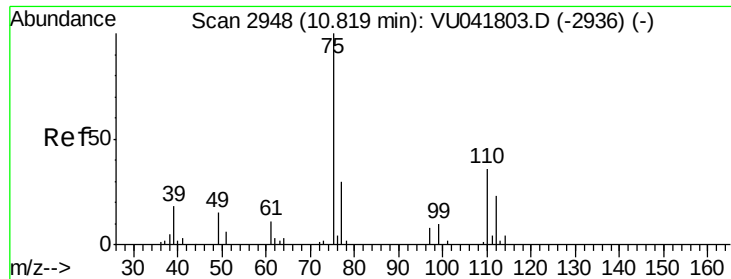
Tot Ion: 75 Resp: 894
Ion Ratio Lower Upper
75 100
77 39.3 23.8 44.2



#48
2-Hexanone
Concen: 2.555 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.04 min
Lab File: VU041808.D
Acq: 24 Dec 2020 15:54

Tgt Ion: 43 Resp: 13491
Ion Ratio Lower Upper
43 100
58 29.6 47.9 71.9#
57 33.8 16.5 24.7#
100 2.1 9.4 14.2#





#59

1,2,3-Trichloropropane

Concen: 0.762 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041808.D

Acq: 24 Dec 2020 15:54

Instrument :

MSVOA_U

ClientSampleId :

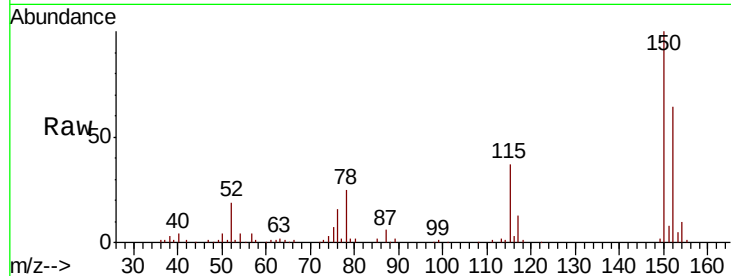
VHBLK01

Tot Ion: 75 Resp: 5833

Ion Ratio Lower Upper

75 100

77 29.7 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.81

4000

3000

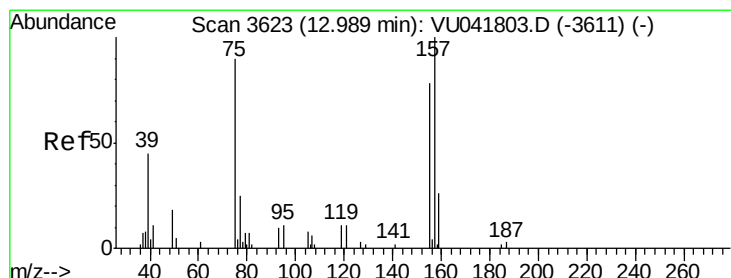
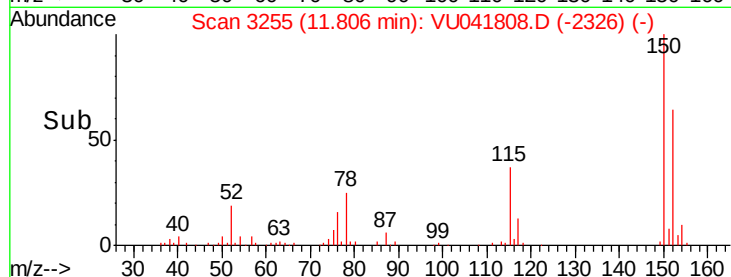
2000

1000

0

Time-->

11.75 11.80 11.85



#66

1,2-Dibromo-3-chloropropane

Concen: 0.087 ug/L

RT: 12.76 min Scan# 3553

Delta R.T. -0.22 min

Lab File: VU041808.D

Acq: 24 Dec 2020 15:54

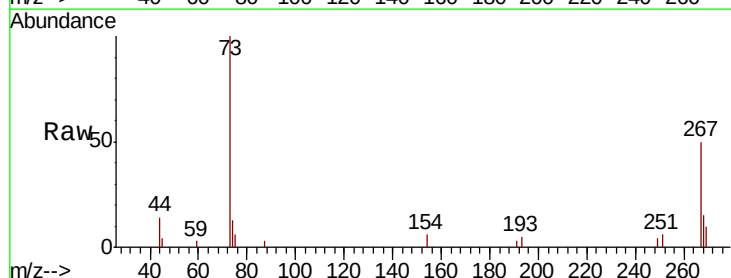
Tgt Ion: 75 Resp: 136

Ion Ratio Lower Upper

75 100

155 0.0 57.4 86.0#

157 0.0 72.4 108.6#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

200

150

100

50

0

Time-->

12.74 12.76 12.78

