

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122520\
 Data File : VU041805.D
 Acq On : 24 Dec 2020 14:42
 Operator : SY/MD
 Sample : L5161-22
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VHBLK01

Quant Time: Dec 25 03:47:54 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	127502	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	124974	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	57475	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	39034	3.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.40%
7) Chloroethane-d5	1.92	69	41068	5.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.40%
11) 1,1-Dichloroethene-d2	2.58	63	61733	3.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.20%
20) 2-Butanone-d5	4.66	46	151738	52.99	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.98%
24) Chloroform-d	5.08	84	84350	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	5.72	65	48949	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
32) Benzene-d6	5.74	84	161711	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
36) 1,2-Dichloropropane-d6	6.70	67	52552	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.60%
41) Toluene-d8	7.90	98	129525	4.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.20%
43) trans-1,3-Dichloropropene-	8.18	79	21075	4.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.60%
46) 2-Hexanone-d5	8.64	63	133064	48.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.50%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	51547	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	52677	5.15	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.00%

Target Compounds

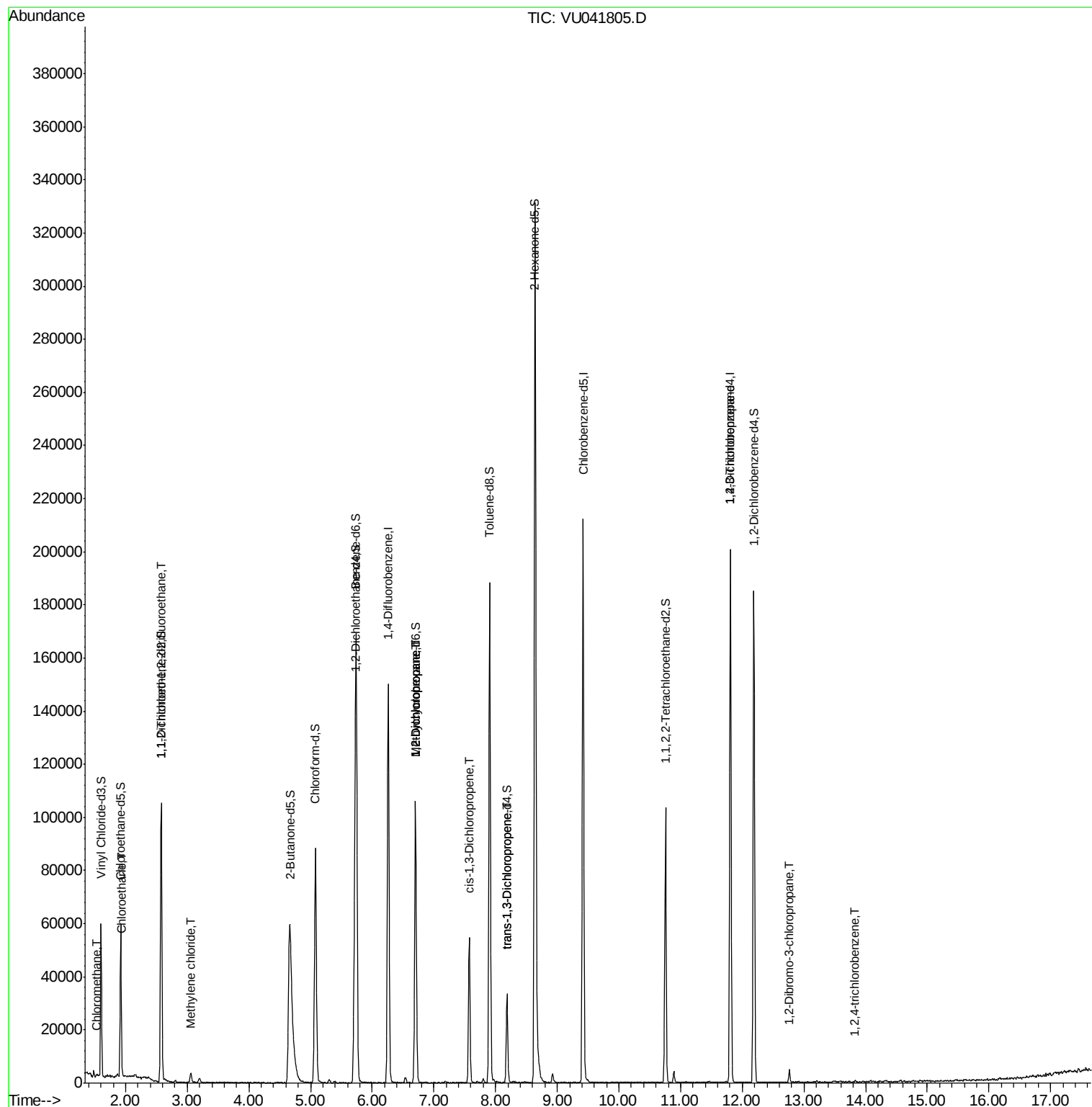
					Ovalue
3) Chloromethane	1.52	50	459	0.044	ug/L 89
8) Chloroethane	1.94	64	434	0.055	ug/L # 44
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	527	0.060	ug/L # 22
16) Methylene chloride	3.06	84	1955	0.189	ug/L # 69
35) Methylcyclohexane	6.70	83	12670	0.780	ug/L # 19
37) 1,2-Dichloropropane	6.70	63	5372	0.525	ug/L # 88
39) cis-1,3-Dichloropropene	7.57	75	1446	0.095	ug/L # 44
44) trans-1,3-Dichloropropene	8.18	75	793	0.059	ug/L # 52
59) 1,2,3-Trichloropropane	11.81	75	6385	0.832	ug/L 97
66) 1,2-Dibromo-3-chloropropan	12.76	75	101	0.063	ug/L # 8
68) 1,2,4-trichlorobenzene	13.84	180	327	0.029	ug/L # 83

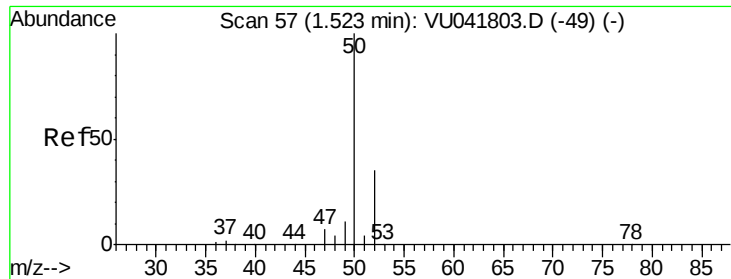
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 0.044 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041805.D

Acq: 24 Dec 2020 14:42

Instrument :

MSVOA_U

ClientSampleId :

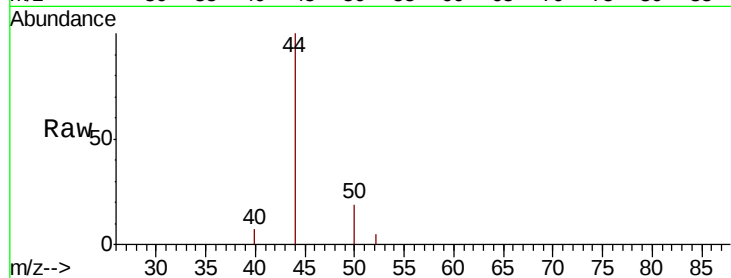
VHBLK01

Tot Ion: 50 Resp: 459

Ion Ratio Lower Upper

50 100

52 27.9 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0

1.52

400

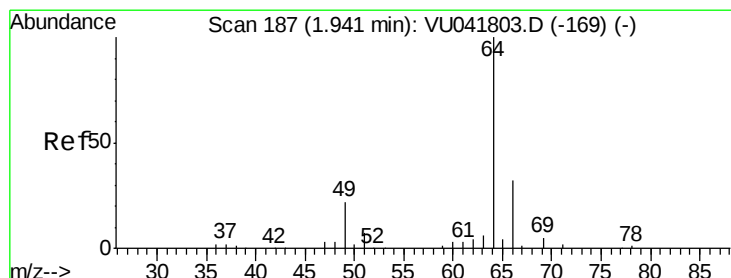
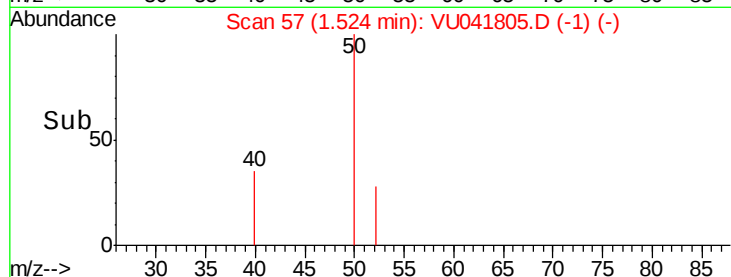
300

200

100

0

Time-->



#8

Chloroethane

Concen: 0.055 ug/L

RT: 1.94 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU041805.D

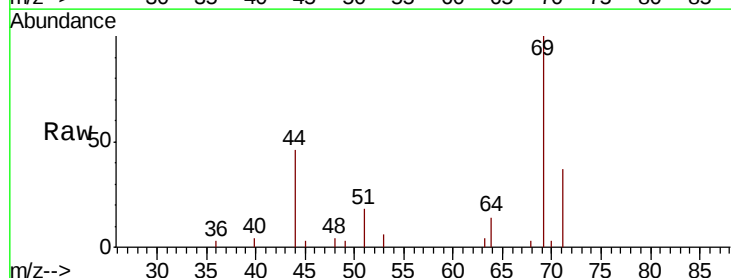
Acq: 24 Dec 2020 14:42

Tgt Ion: 64 Resp: 434

Ion Ratio Lower Upper

64 100

66 0.0 21.6 40.0#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

1.94

600

500

400

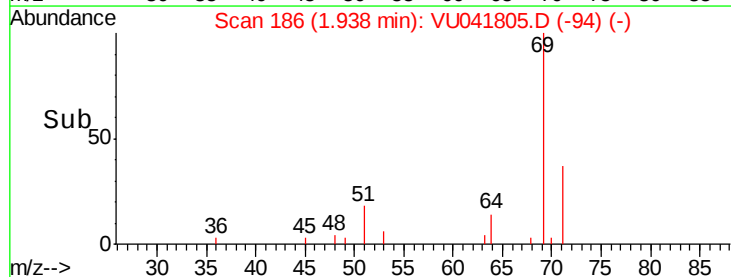
300

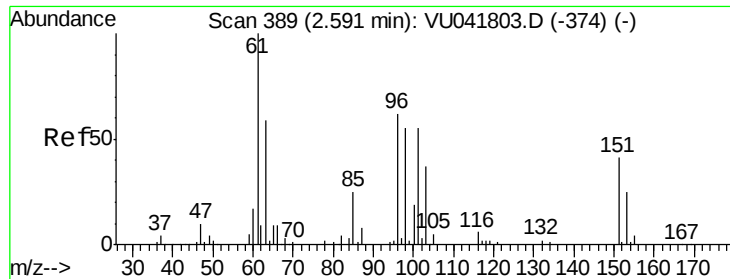
200

100

0

Time-->





#10

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

Concen: 0.060 ug/L

RT: 2.58 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU041805.D

Acq: 24 Dec 2020 14:42

Instrument :

MSVOA_U

ClientSampleId :

VHBLK01

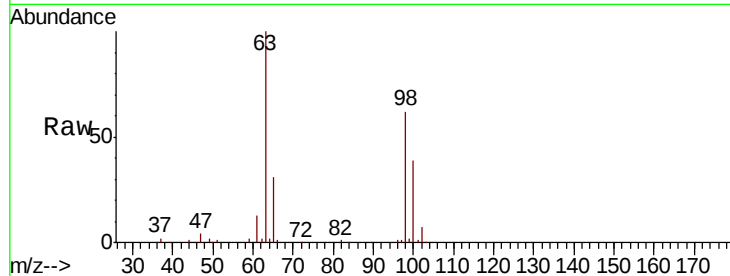
Tot Ion:101 Resp: 527

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

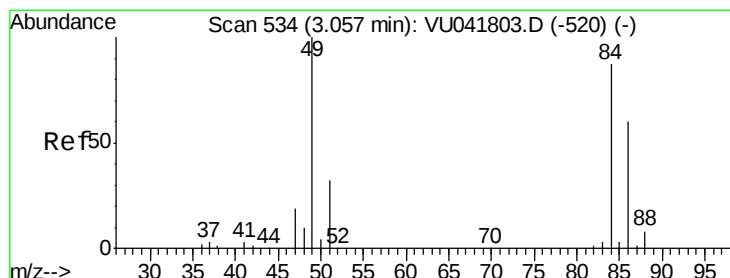
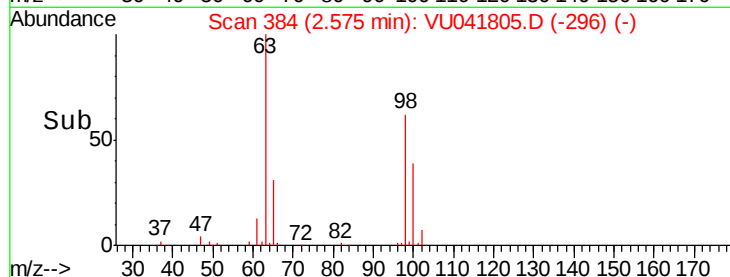
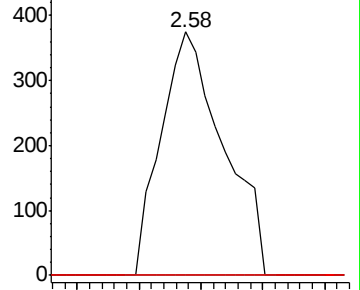
151 0.0 56.2 84.4#



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



#16

Methylene chloride

Concen: 0.189 ug/L

RT: 3.06 min Scan# 534

Delta R.T. 0.00 min

Lab File: VU041805.D

Acq: 24 Dec 2020 14:42

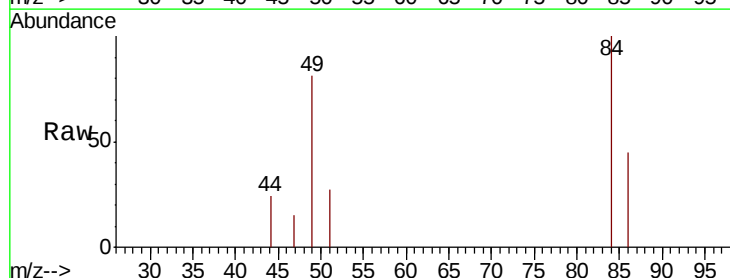
Tgt Ion: 84 Resp: 1955

Ion Ratio Lower Upper

84 100

86 45.0 45.1 83.7#

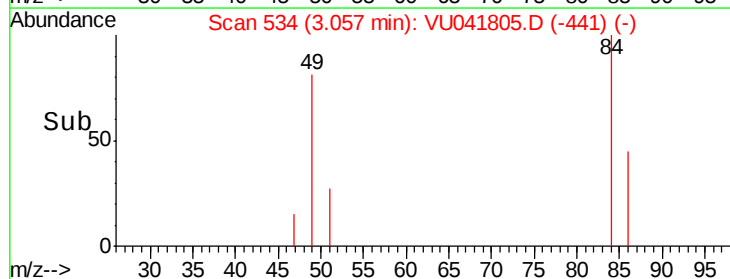
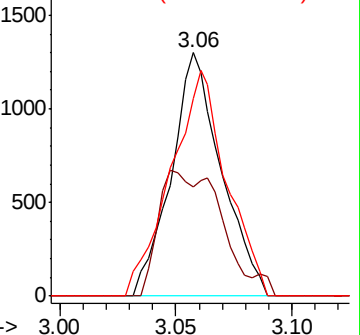
49 80.9 83.1 154.3#

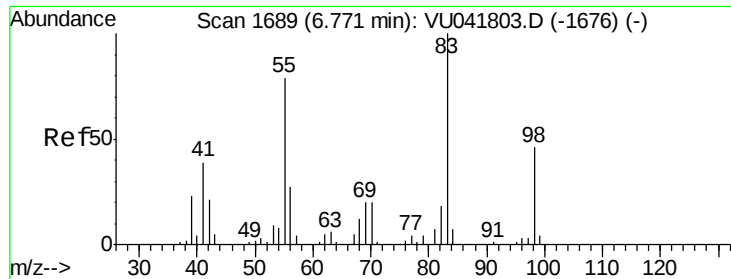


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

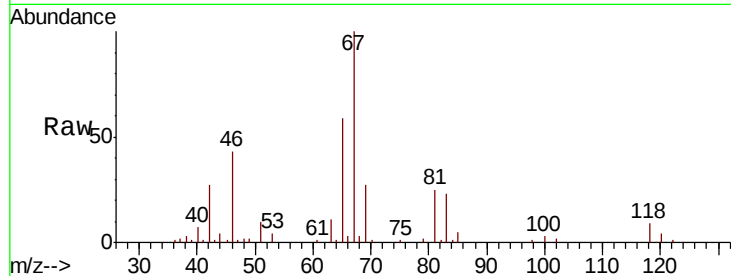




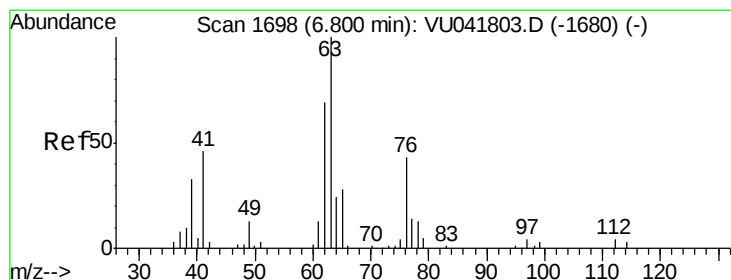
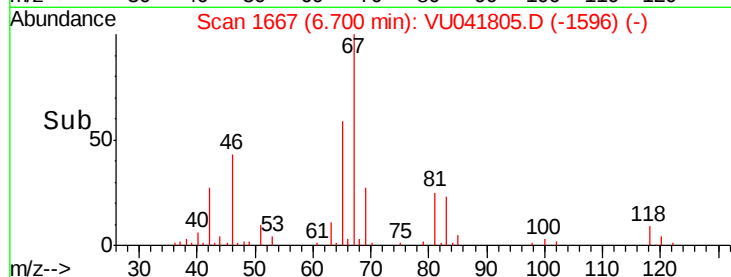
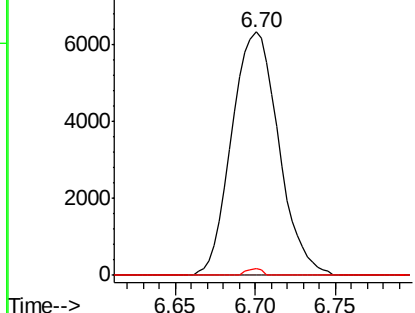
#35
Methvlcvclohexane
Concen: 0.780 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041805.D
Acq: 24 Dec 2020 14:42

Instrument :
MSVOA_U
ClientSampleId :
VHBLK01

Tot Ion	83.15	Resp	12670
Ion	Ratio	Lower	Upper
83	100		
55	0.0	61.2	91.8#
98	0.8	36.6	54.8#

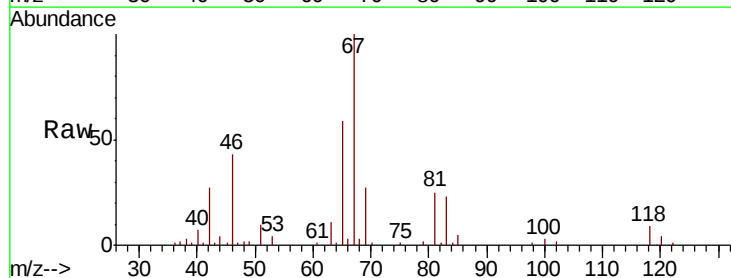


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

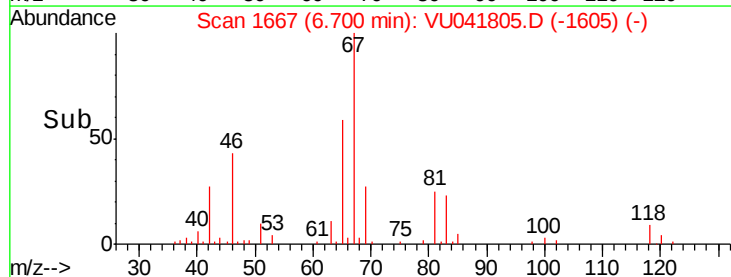
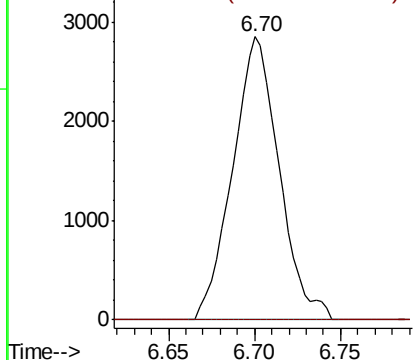


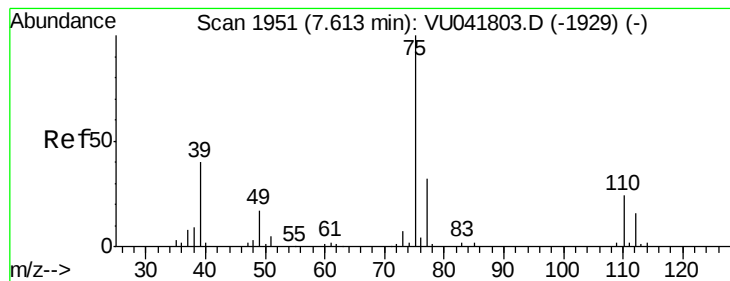
#37
1,2-Dichloropropane
Concen: 0.525 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU041805.D
Acq: 24 Dec 2020 14:42

Tgt Ion	63	Resp	5372
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



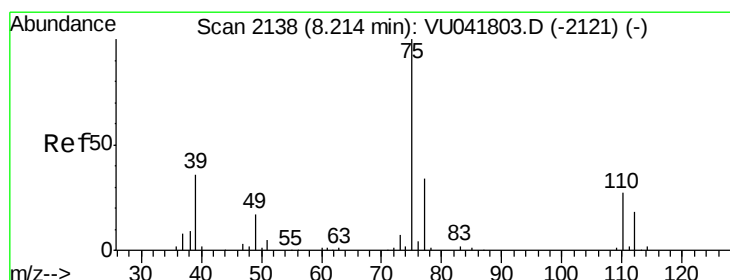
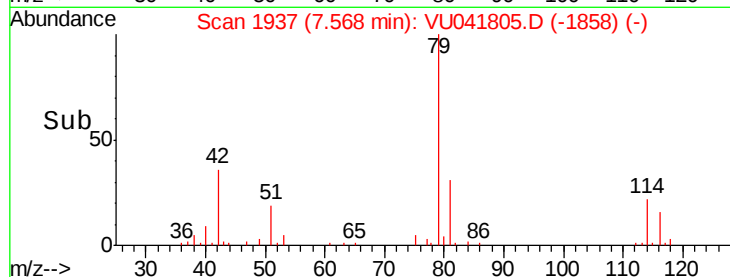
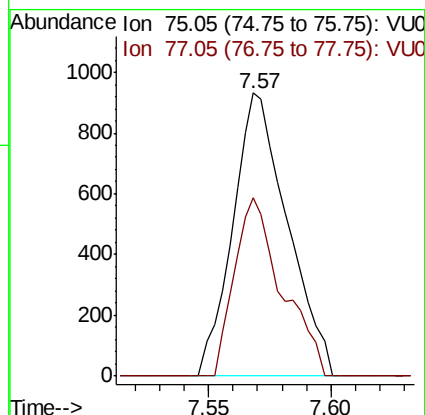
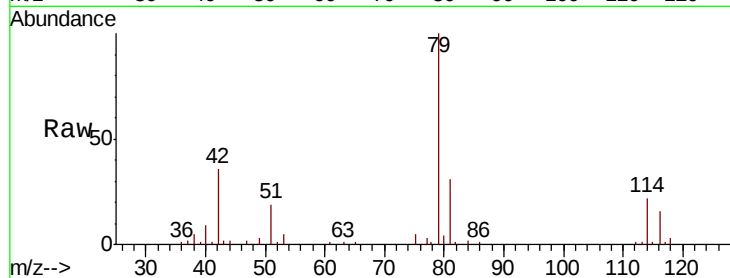


#39

cis-1,3-Dichloropropene
 Concen: 0.095 ug/L
 RT: 7.57 min Scan# 1937
 Delta R.T. -0.04 min
 Lab File: VU041805.D
 Acq: 24 Dec 2020 14:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VHBLK01

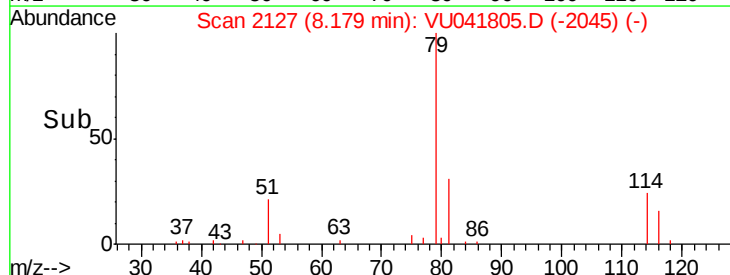
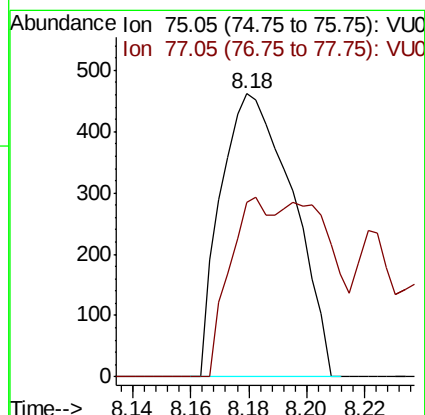
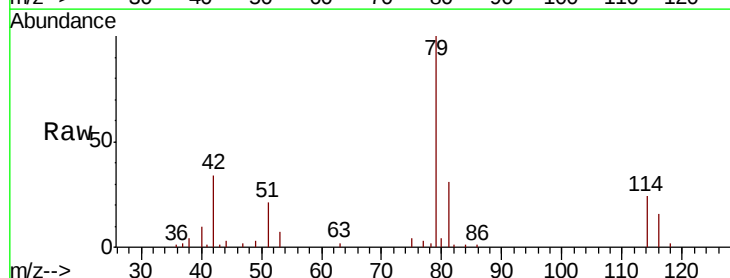
Tot Ion: 75 Resp: 1446
 Ion Ratio Lower Upper
 75 100
 77 63.0 22.3 41.3#

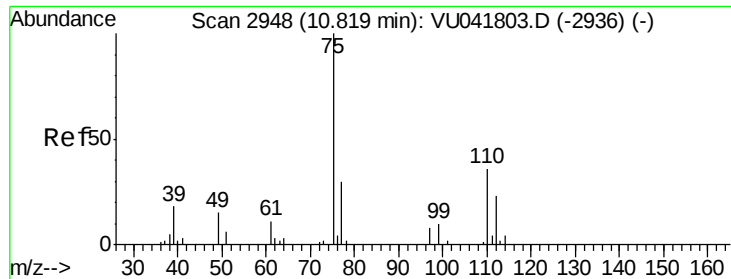


#44

trans-1,3-Dichloropropene
 Concen: 0.059 ug/L
 RT: 8.18 min Scan# 2127
 Delta R.T. -0.03 min
 Lab File: VU041805.D
 Acq: 24 Dec 2020 14:42

Tgt Ion: 75 Resp: 793
 Ion Ratio Lower Upper
 75 100
 77 61.5 23.8 44.2#





#59

1,2,3-Trichloropropane

Concen: 0.832 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041805.D

Acq: 24 Dec 2020 14:42

Instrument :

MSVOA_U

ClientSampleId :

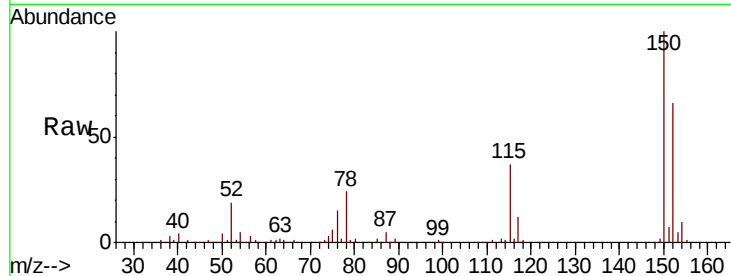
VHBLK01

Tot Ion: 75 Resp: 6385

Ion Ratio Lower Upper

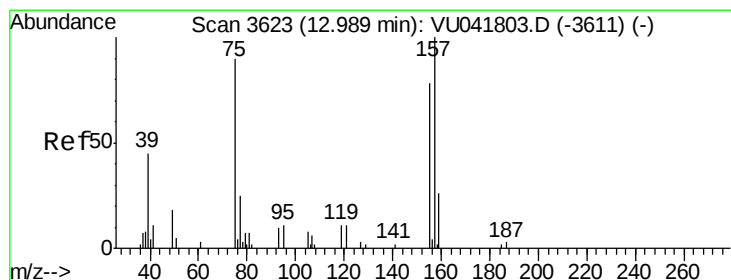
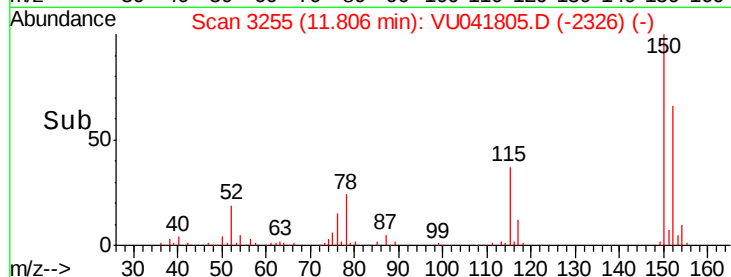
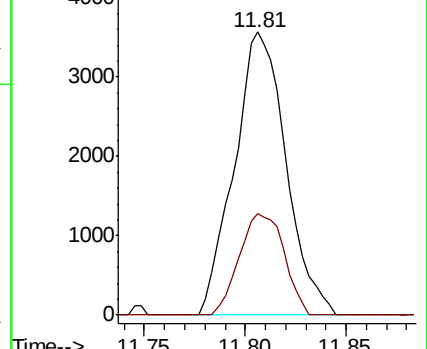
75 100

77 31.2 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#66

1,2-Dibromo-3-chloropropane

Concen: 0.063 ug/L

RT: 12.76 min Scan# 3551

Delta R.T. -0.23 min

Lab File: VU041805.D

Acq: 24 Dec 2020 14:42

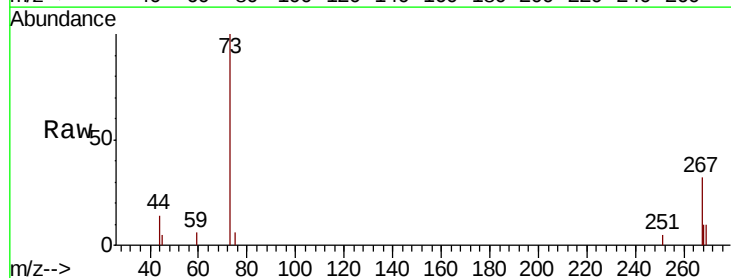
Tgt Ion: 75 Resp: 101

Ion Ratio Lower Upper

75 100

155 0.0 57.4 86.0#

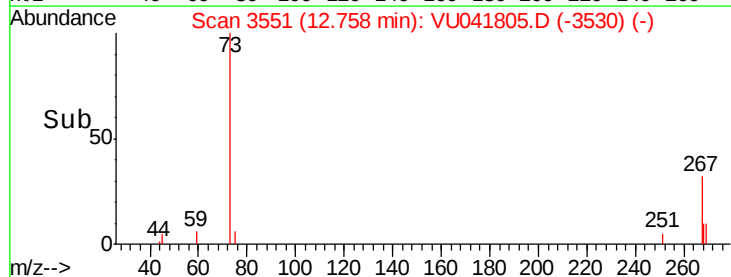
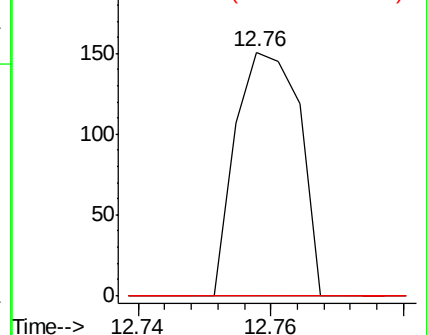
157 0.0 72.4 108.6#

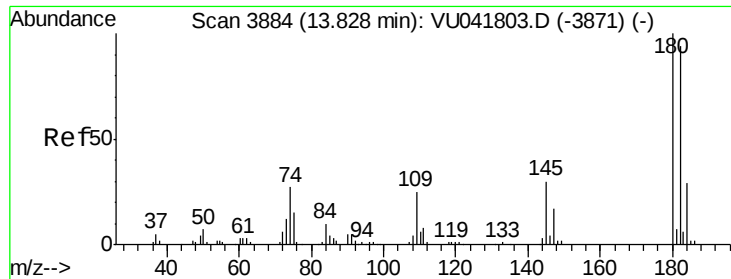


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V





#68

1,2,4-trichlorobenzene

Concen: 0.029 ug/L

RT: 13.84 min Scan# 3886

Delta R.T. 0.01 min

Lab File: VU041805.D

Acq: 24 Dec 2020 14:42

Instrument :

MSVOA_U

ClientSampleId :

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Tot Ion:180 Resp: 327

Ion Ratio Lower Upper

180 100

182 89.9 75.4 113.0

145 0.0 24.5 36.7#

