

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122320\
 Data File : VU041771.D
 Acq On : 23 Dec 2020 10:39
 Operator : SY/MD
 Sample : VU1223WBL01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK12

Quant Time: Dec 24 01:09:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Dec 24 01:08:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	124141	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	123099	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	52279	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	43335	4.47	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.40%
7) Chloroethane-d5	1.92	69	43000	5.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	114.40%
11) 1,1-Dichloroethene-d2	2.58	63	68189	3.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.20%
20) 2-Butanone-d5	4.66	46	146700	52.62	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.24%
24) Chloroform-d	5.08	84	83703	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
26) 1,2-Dichloroethane-d4	5.72	65	48726	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.40%
32) Benzene-d6	5.74	84	163315	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
36) 1,2-Dichloropropane-d6	6.70	67	52949	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.80%
41) Toluene-d8	7.90	98	132105	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.00%
43) trans-1,3-Dichloropropene-	8.19	79	21132	4.25	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.00%
46) 2-Hexanone-d5	8.64	63	126139	46.43	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.86%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	49086	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	50081	5.39	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.80%

Target Compounds

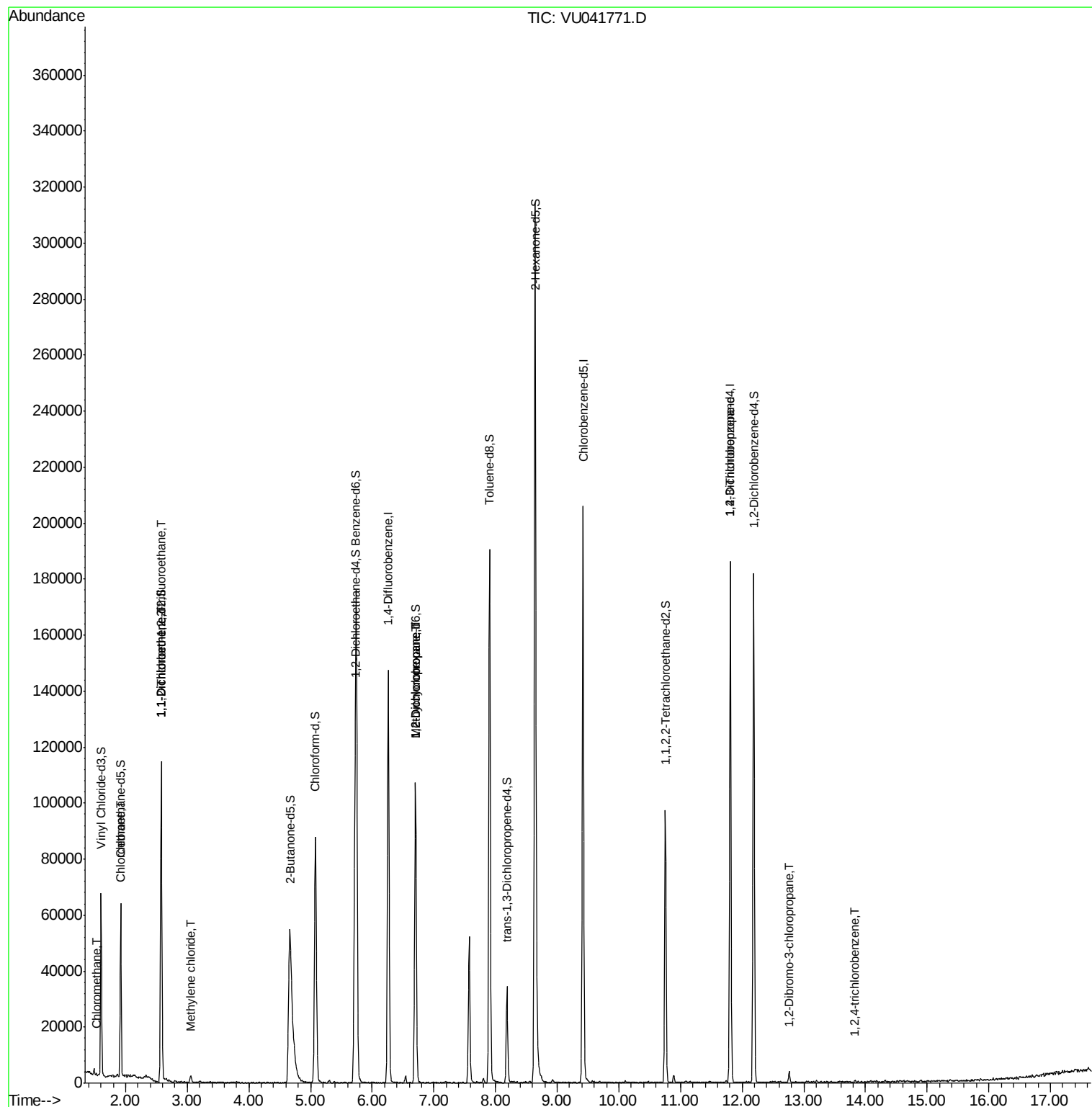
					Ovalue
3) Chloromethane	1.52	50	721	0.071 ug/L	88
8) Chloroethane	1.94	64	309	0.040 ug/L #	44
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	592	0.069 ug/L #	24
12) 1,1-Dichloroethene	2.58	96	661	0.078 ug/L #	1
16) Methylene chloride	3.05	84	1506	0.150 ug/L #	75
35) Methylcyclohexane	6.70	83	12768	0.798 ug/L #	21
37) 1,2-Dichloropropane	6.70	63	5500	0.546 ug/L #	88
59) 1,2,3-Trichloropropane	11.81	75	5413	0.716 ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.77	75	118	0.080 ug/L #	8
68) 1,2,4-trichlorobenzene	13.83	180	388	0.038 ug/L #	76

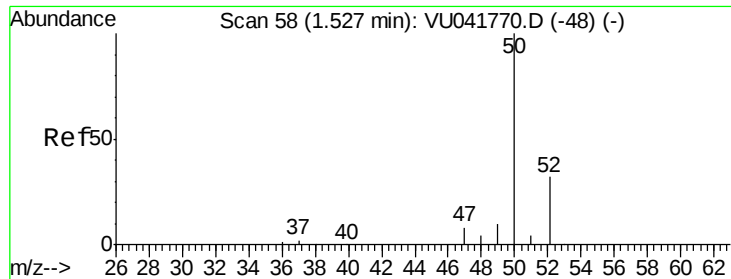
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 24 01:09:15 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Dec 24 01:08:18 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.071 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041771.D

Acq: 23 Dec 2020 10:39

Instrument :

MSVOA_U

ClientSampleId :

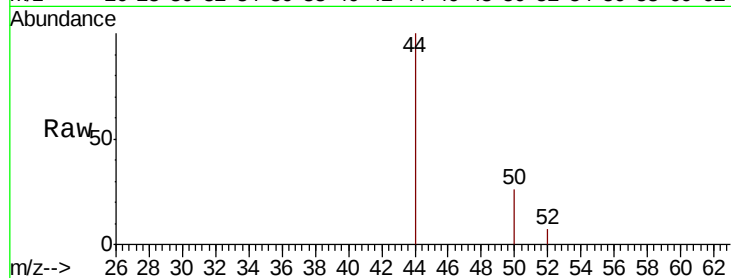
VBLK12

Tot Ion: 50 Resp: 721

Ion Ratio Lower Upper

50 100

52 27.7 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

600

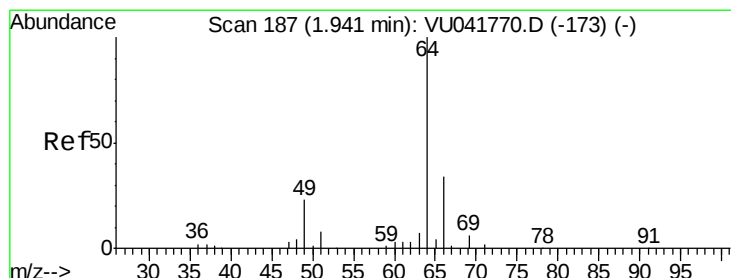
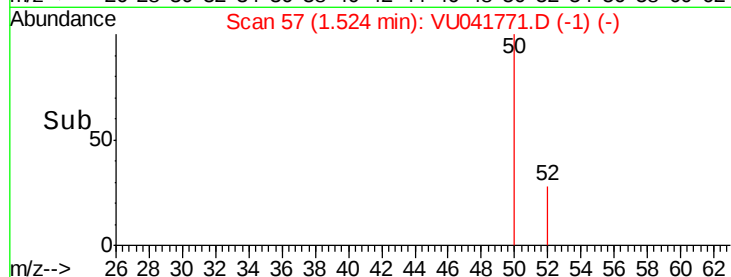
400

200

0

1.50 1.52 1.54

Time-->



#8

Chloroethane

Concen: 0.040 ug/L

RT: 1.94 min Scan# 185

Delta R.T. -0.01 min

Lab File: VU041771.D

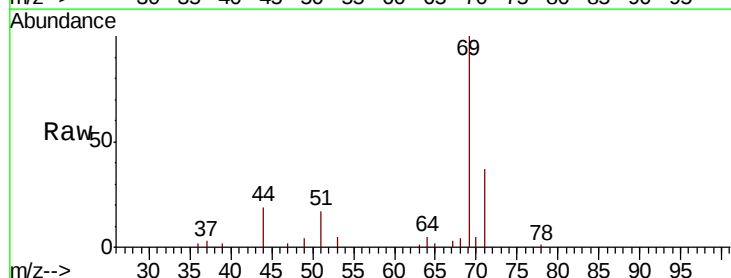
Acq: 23 Dec 2020 10:39

Tgt Ion: 64 Resp: 309

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

400

300

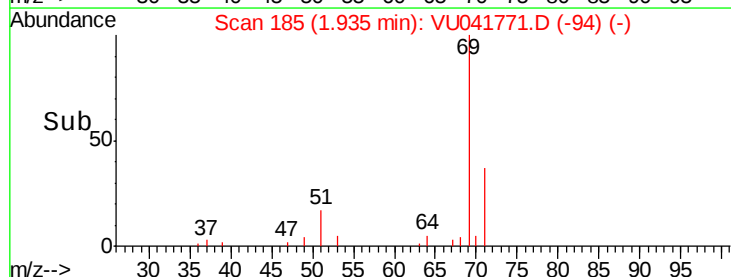
200

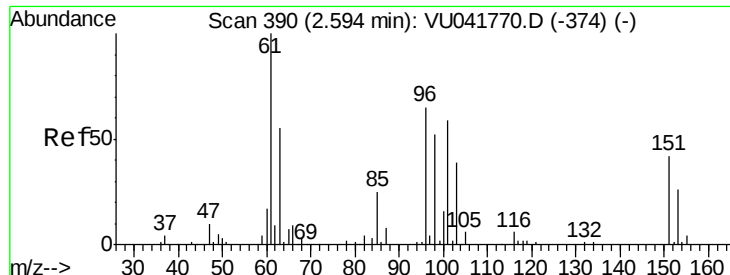
100

0

1.90 1.92 1.94 1.96

Time-->





#10

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

Concen: 0.069 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU041771.D

Acq: 23 Dec 2020 10:39

Instrument :

MSVOA_U

ClientSampleId :

VBLK12

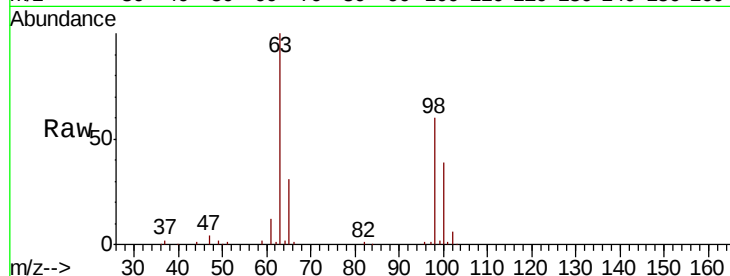
Tot Ion:101 Resp: 592

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

151 3.5 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

2.58

400

300

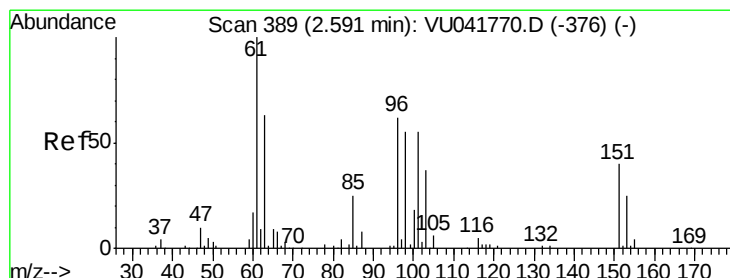
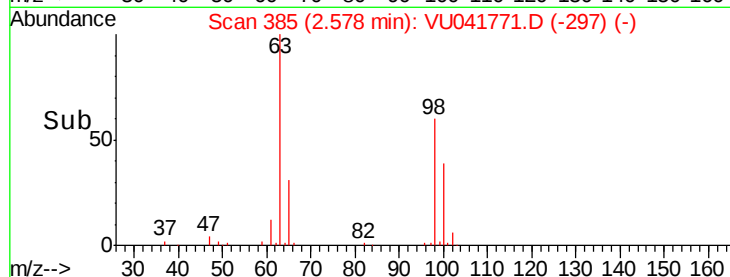
200

100

0

2.54 2.56 2.58 2.60

Time-->



#12

1,1-Dichloroethene

Concen: 0.078 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041771.D

Acq: 23 Dec 2020 10:39

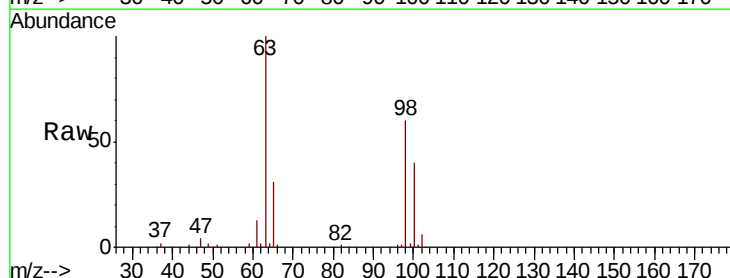
Tgt Ion: 96 Resp: 661

Ion Ratio Lower Upper

96 100

61 1186.7 123.8 230.0#

63 9453.5 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

50000

40000

30000

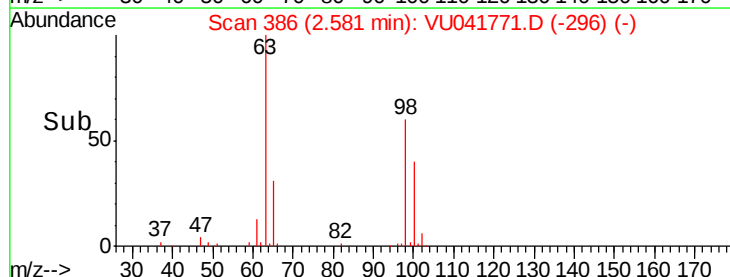
20000

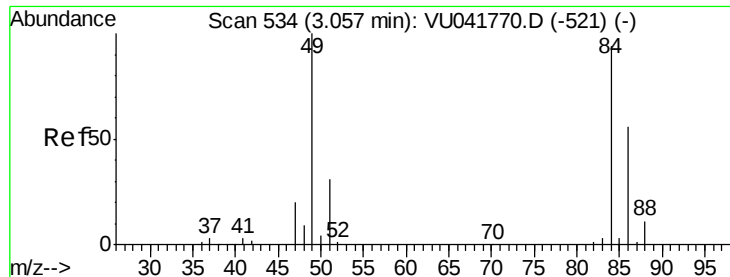
10000

0

2.54 2.56 2.58 2.60 2.62

Time-->

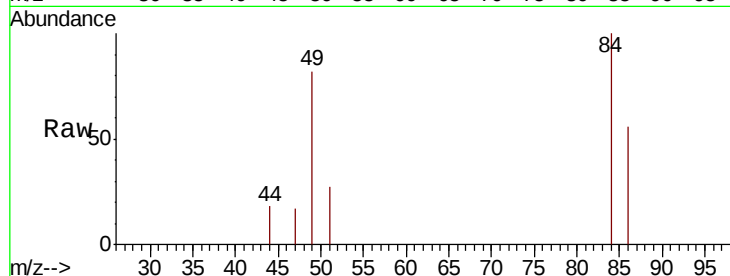




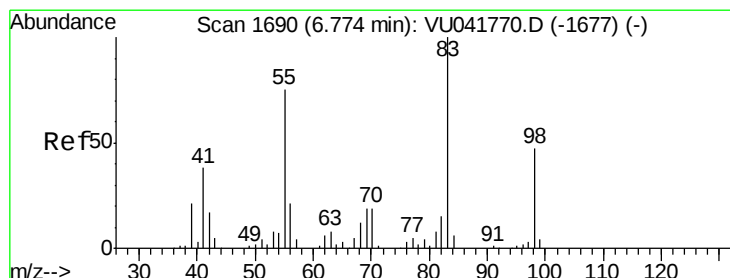
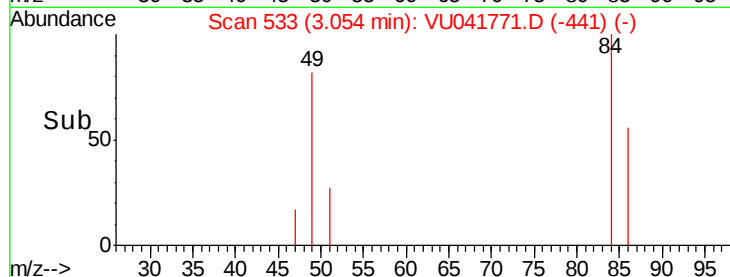
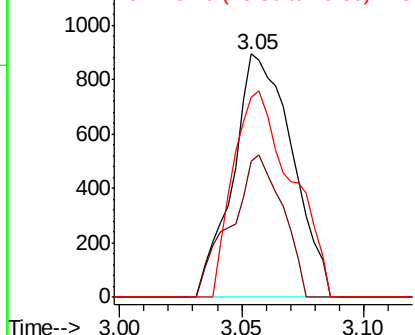
#16
Methylene chloride
Concen: 0.150 ug/L
RT: 3.05 min Scan# 533
Delta R.T. -0.00 min
Lab File: VU041771.D
Acq: 23 Dec 2020 10:39

Instrument :
MSVOA_U
ClientSampleId :
VBLK12

Tot Ion: 84 Resp: 1506
Ion Ratio Lower Upper
84 100
86 55.9 45.1 83.7
49 82.0 83.1 154.3#

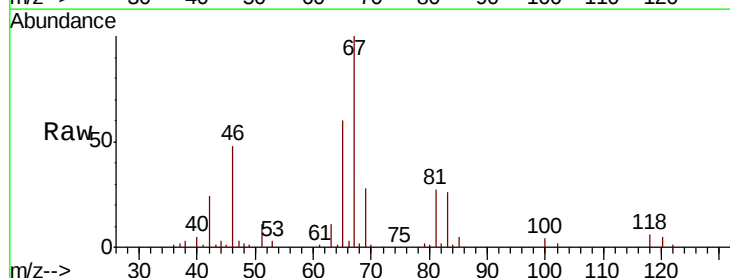


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

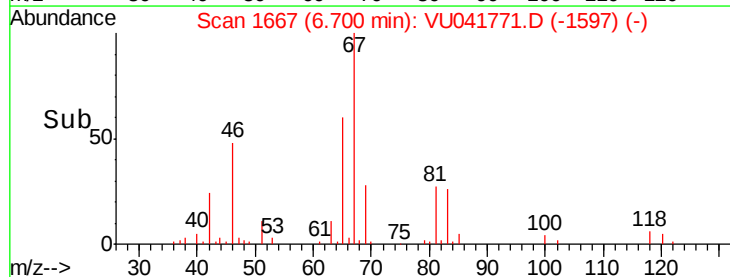
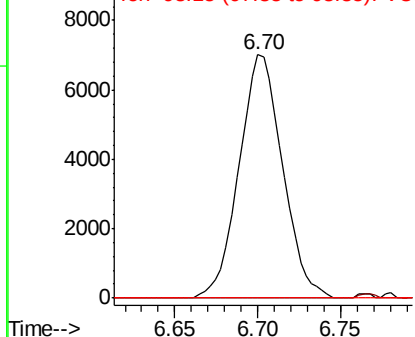


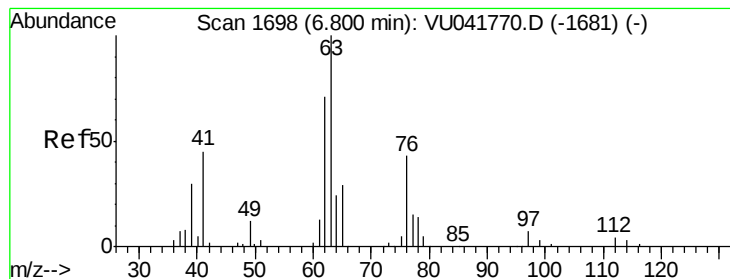
#35
Methylcyclohexane
Concen: 0.798 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041771.D
Acq: 23 Dec 2020 10:39

Tgt Ion: 83 Resp: 12768
Ion Ratio Lower Upper
83 100
55 0.7 61.2 91.8#
98 3.2 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: 0.546 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.10 min

Lab File: VU041771.D

Acq: 23 Dec 2020 10:39

Instrument :

MSVOA_U

ClientSampleId :

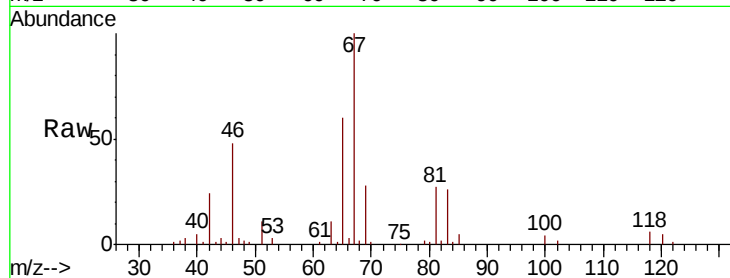
VBLK12

Tot Ion: 63 Resp: 5500

Ion Ratio Lower Upper

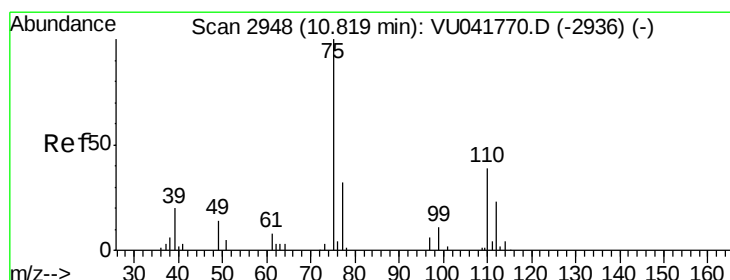
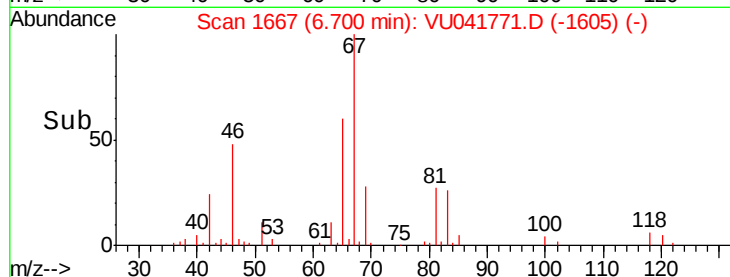
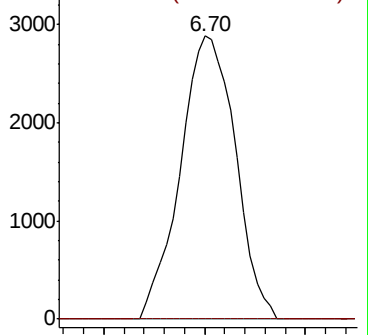
63 100

112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU041771.D (-1667) (-)

Ion 112.10 (111.80 to 112.80): VU041771.D (-1667) (-)



#59

1,2,3-Trichloropropane

Concen: 0.716 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041771.D

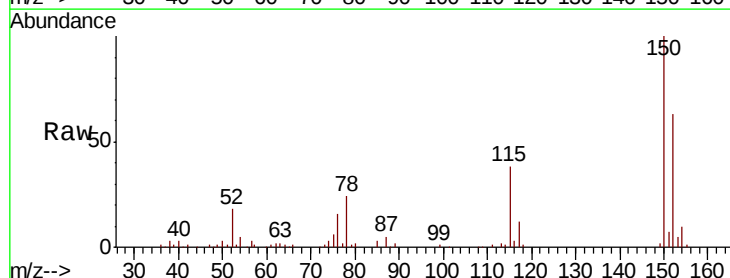
Acq: 23 Dec 2020 10:39

Tgt Ion: 75 Resp: 5413

Ion Ratio Lower Upper

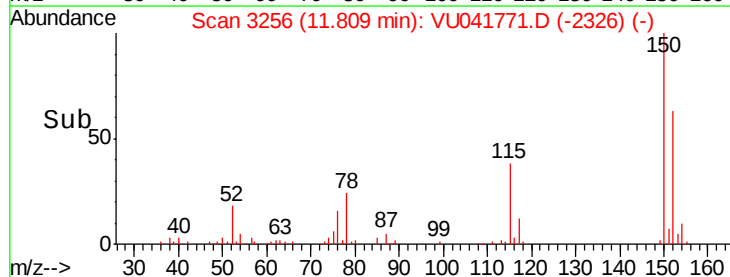
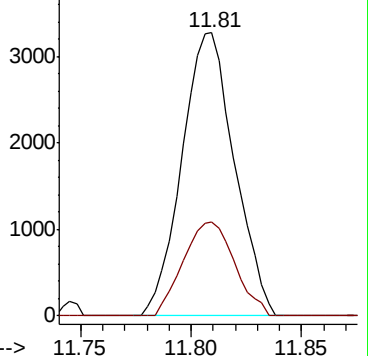
75 100

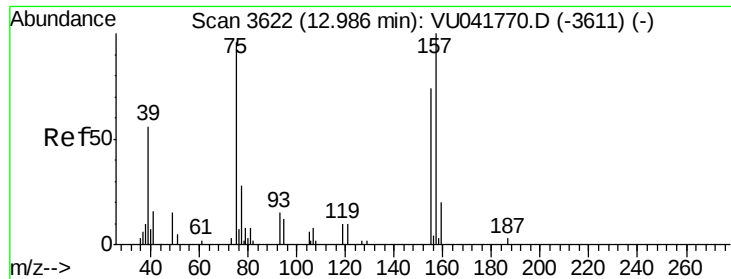
77 32.4 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU041771.D (-2326) (-)

Ion 77.00 (76.70 to 77.70): VU041771.D (-2326) (-)





#66

1,2-Dibromo-3-chloropropane

Concen: 0.080 ug/L

RT: 12.77 min Scan# 3554

Delta R.T. -0.22 min

Lab File: VU041771.D

Acq: 23 Dec 2020 10:39

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VBLK12

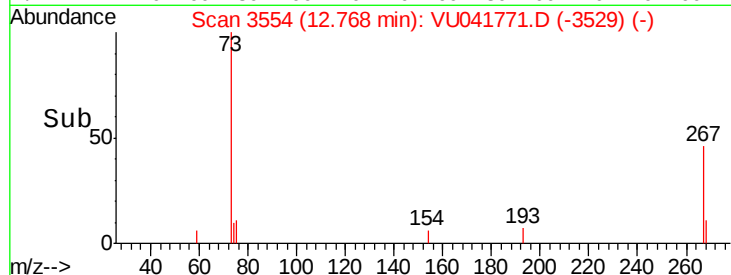
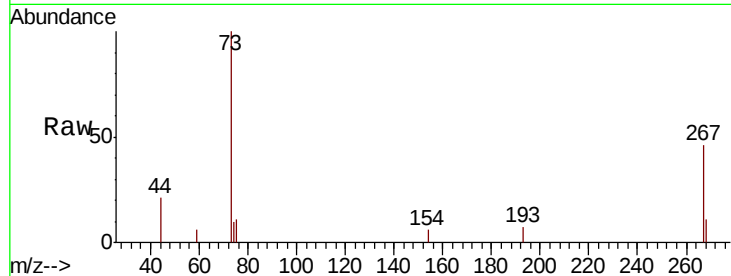
Tot Ion: 75 Resp: 118

Ion Ratio Lower Upper

75 100

155 0.0 57.4 86.0#

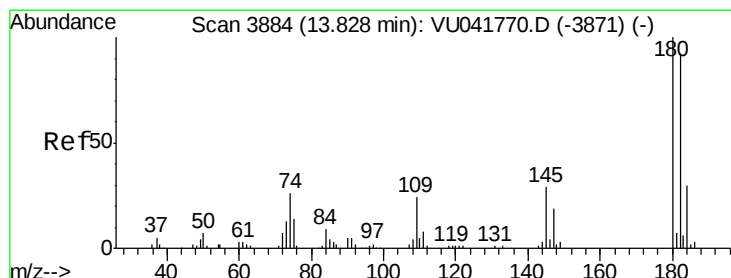
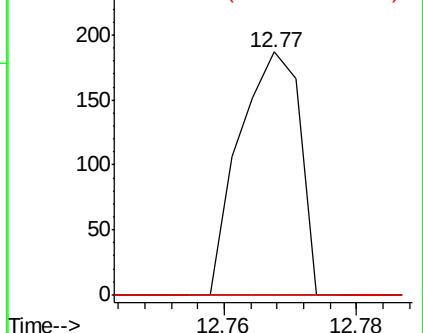
157 0.0 72.4 108.6#



Abundance Ion 75.05 (74.75 to 75.75): VU041771.D (-3529) (-)

Ion 154.95 (154.65 to 155.65): VU041771.D (-3529) (-)

Ion 156.90 (156.60 to 157.60): VU041771.D (-3529) (-)



#68

1,2,4-trichlorobenzene

Concen: 0.038 ug/L

RT: 13.83 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VU041771.D

Acq: 23 Dec 2020 10:39

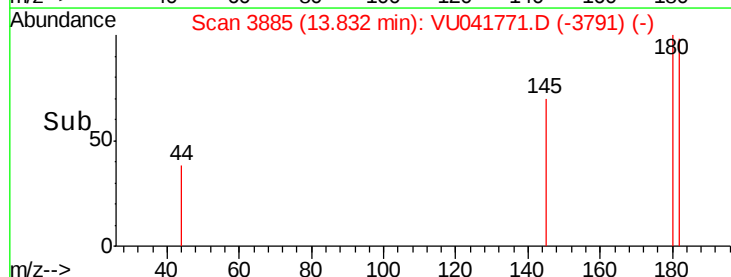
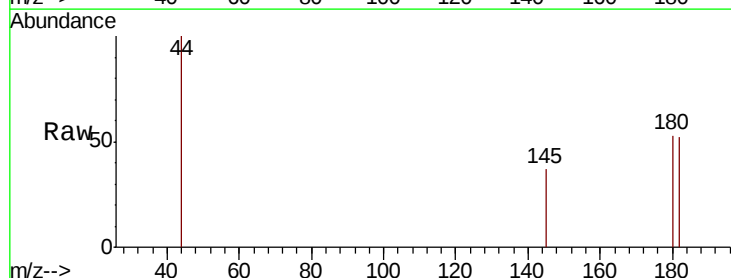
Tgt Ion: 180 Resp: 388

Ion Ratio Lower Upper

180 100

182 63.9 75.4 113.0#

145 32.0 24.5 36.7



Abundance Ion 179.90 (179.60 to 180.60): VU041771.D (-3791) (-)

Ion 182.00 (181.70 to 182.70): VU041771.D (-3791) (-)

Ion 144.95 (144.65 to 145.65): VU041771.D (-3791) (-)

