

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122520\
 Data File : VU041814.D
 Acq On : 24 Dec 2020 18:17
 Operator : SY/MD
 Sample : L5185-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VHBLK01

Quant Time: Dec 25 03:48:58 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	126696	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	123875	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	54217	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	40908	4.13	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.60%
7) Chloroethane-d5	1.92	69	40731	5.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.20%
11) 1,1-Dichloroethene-d2	2.58	63	61527	3.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.40%
20) 2-Butanone-d5	4.66	46	154325	54.24	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.48%
24) Chloroform-d	5.08	84	87511	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
26) 1,2-Dichloroethane-d4	5.72	65	48855	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
32) Benzene-d6	5.74	84	162226	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
36) 1,2-Dichloropropane-d6	6.70	67	52355	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.91	98	128541	4.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.20%
43) trans-1,3-Dichloropropene-	8.19	79	20295	4.06	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.20%
46) 2-Hexanone-d5	8.64	63	127312	46.57	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.14%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	49625	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	50371	5.22	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.40%

Target Compounds

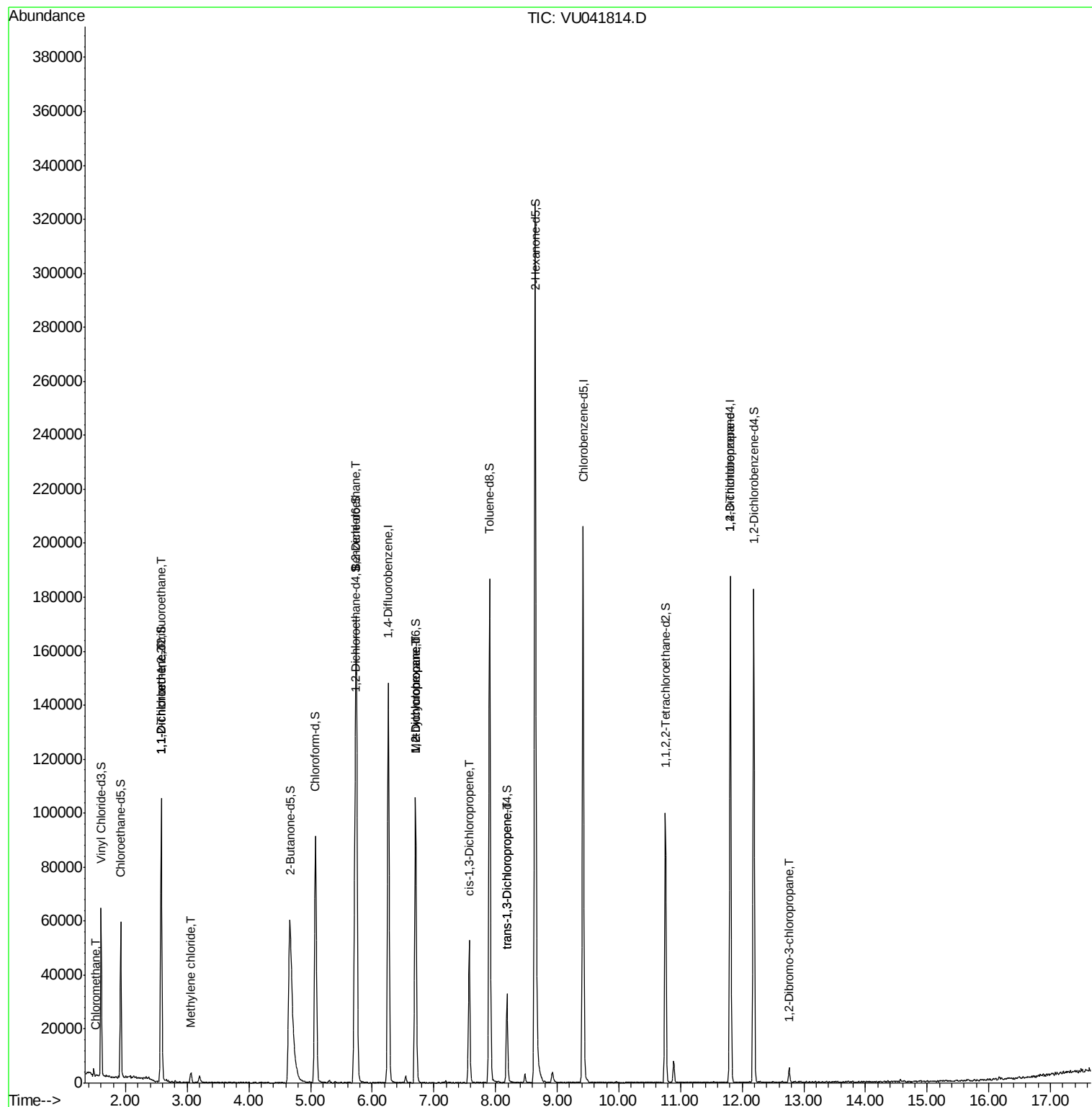
					Ovalue
3) Chloromethane	1.53	50	480	0.046 ug/L #	70
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	624	0.072 ug/L #	22
12) 1,1-Dichloroethene	2.58	96	462	0.054 ug/L #	1
16) Methylene chloride	3.06	84	2157	0.210 ug/L	74
27) 1,2-Dichloroethane	5.74	62	874	0.077 ug/L #	73
35) Methylcyclohexane	6.70	83	12327	0.766 ug/L #	19
37) 1,2-Dichloropropane	6.70	63	5581	0.551 ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1158	0.077 ug/L #	13
44) trans-1,3-Dichloropropene	8.19	75	790	0.059 ug/L #	57
59) 1,2,3-Trichloropropane	11.81	75	5896	0.775 ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.76	75	119	0.078 ug/L #	8

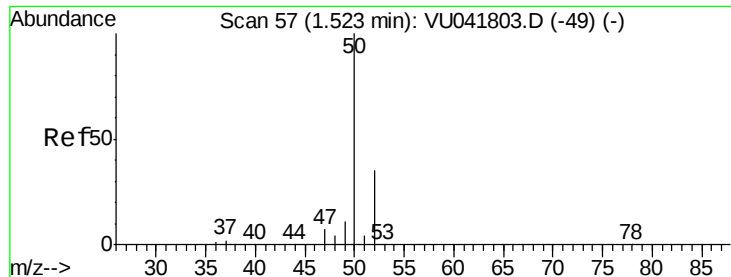
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 25 03:47:04 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.046 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041814.D

Acq: 24 Dec 2020 18:17

Instrument :

MSVOA_U

ClientSampleId :

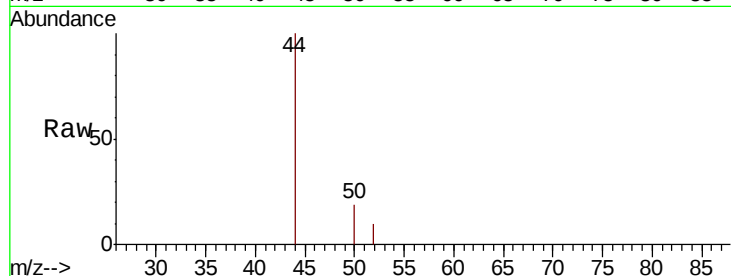
VHBLK01

Tot Ion: 50 Resp: 480

Ion Ratio Lower Upper

50 100

52 51.6 24.1 44.8#



Abundance Ion 50.05 (49.75 to 50.75): VU041803.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU041803.D (-49) (-)

1.53

400

300

200

100

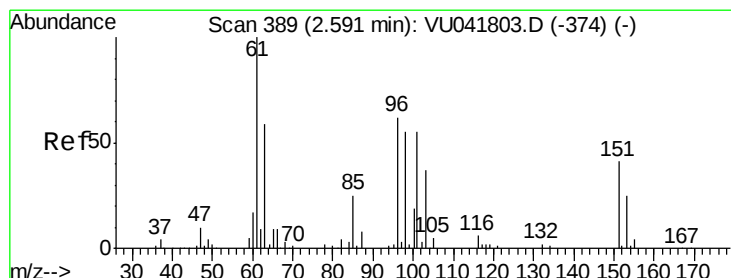
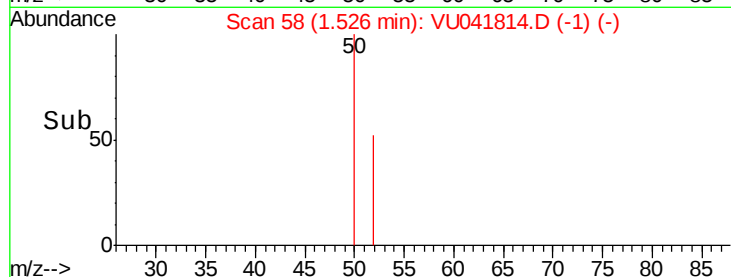
0

1.50

1.52

1.54

Time-->



#10

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

Concen: 0.072 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU041814.D

Acq: 24 Dec 2020 18:17

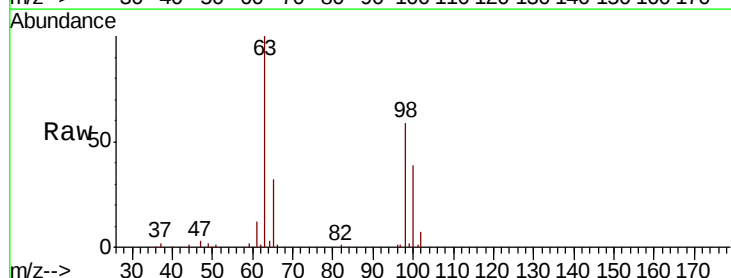
Tgt Ion:101 Resp: 624

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): VU041803.D (-374) (-)

Ion 85.00 (84.70 to 85.70): VU041803.D (-374) (-)

Ion 151.00 (150.70 to 151.70): VU041803.D (-374) (-)

500

400

300

200

100

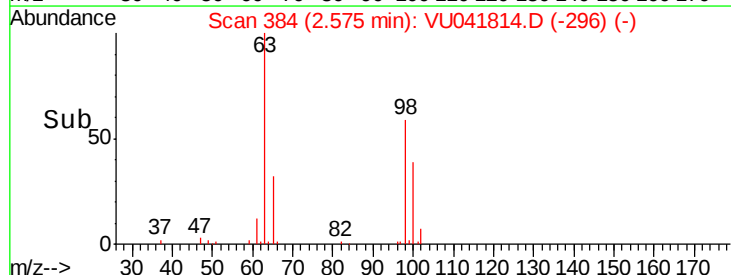
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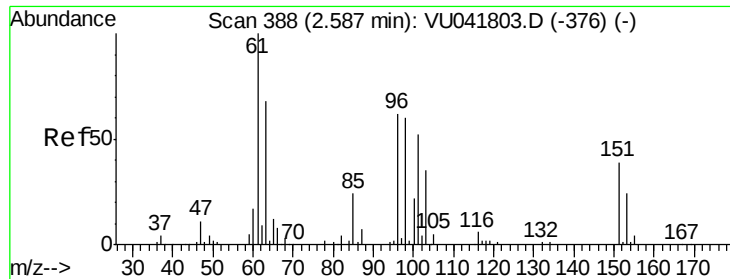
2.55

2.57

2.60

Time-->

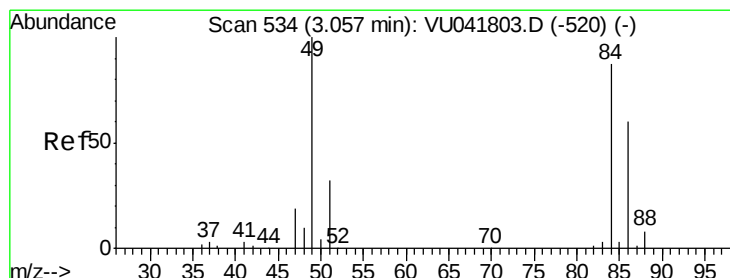
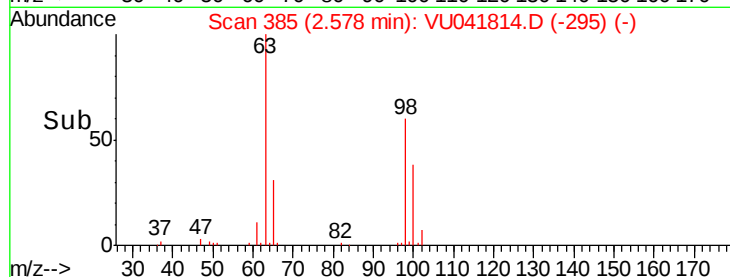
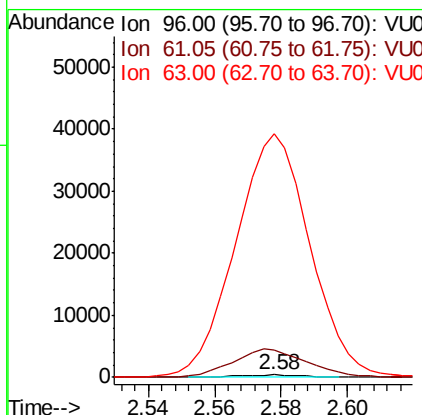
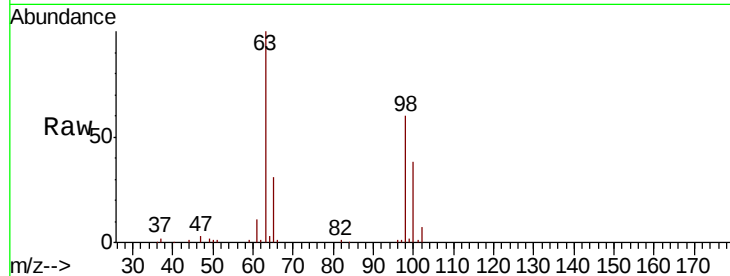




#12
 1,1-Dichloroethene
 Concen: 0.054 ug/L
 RT: 2.58 min Scan# 385
 Delta R.T. -0.01 min
 Lab File: VU041814.D
 Acq: 24 Dec 2020 18:17

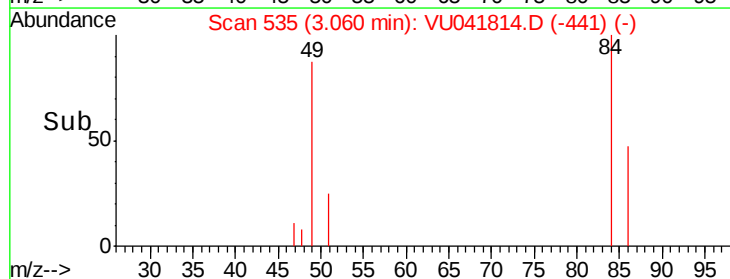
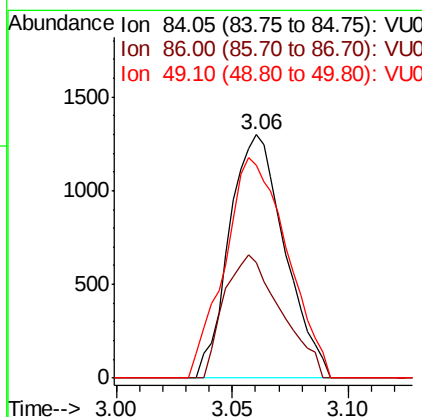
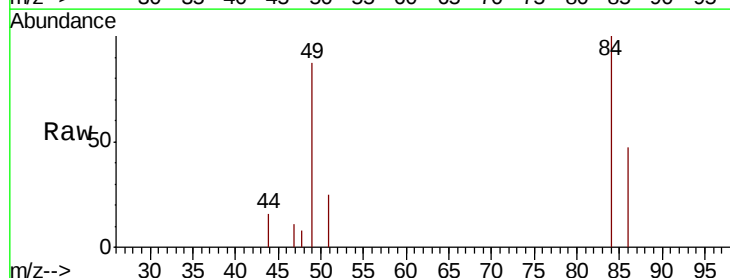
Instrument :
 MSVOA_U
 ClientSampled :
 VHBLK01

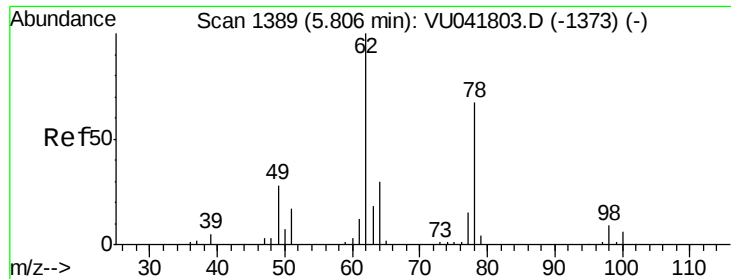
Tot Ion: 96 Resp: 462
 Ion Ratio Lower Upper
 96 100
 61 1132.4 123.8 230.0#
 63 10326.3 81.0 150.4#



#16
 Methylene chloride
 Concen: 0.210 ug/L
 RT: 3.06 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VU041814.D
 Acq: 24 Dec 2020 18:17

Tgt Ion: 84 Resp: 2157
 Ion Ratio Lower Upper
 84 100
 86 47.3 45.1 83.7
 49 87.5 83.1 154.3

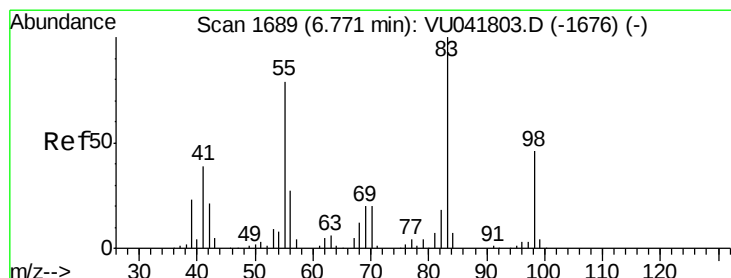
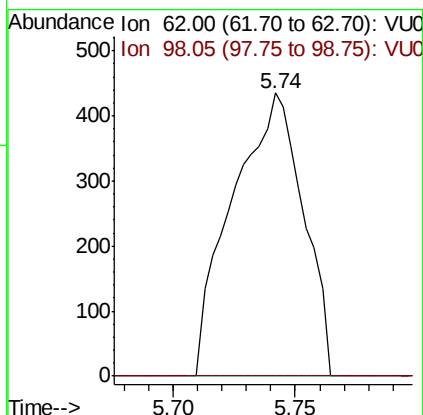
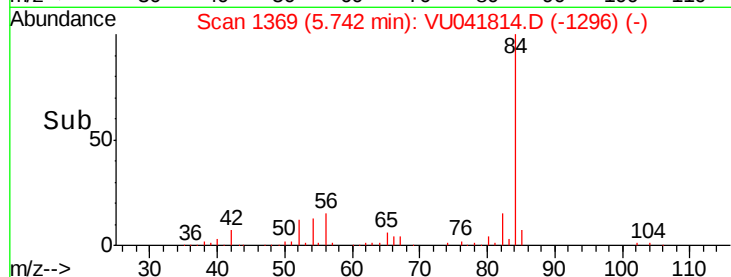
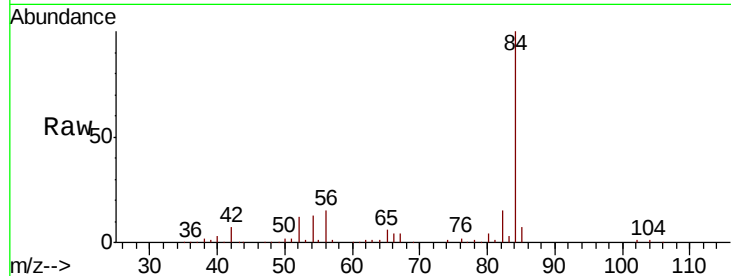




#27
 1,2-Dichloroethane
 Concen: 0.077 ug/L
 RT: 5.74 min Scan# 1369
 Delta R.T. -0.06 min
 Lab File: VU041814.D
 Acq: 24 Dec 2020 18:17

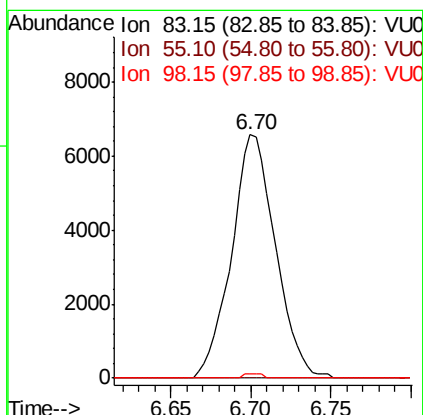
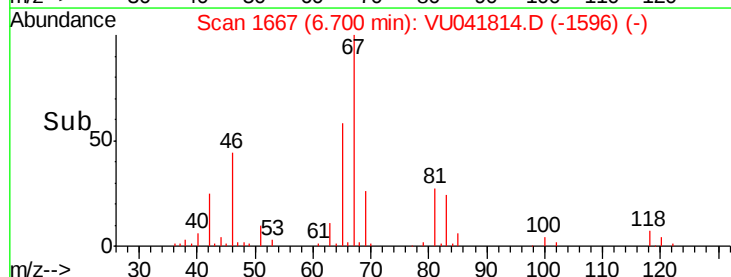
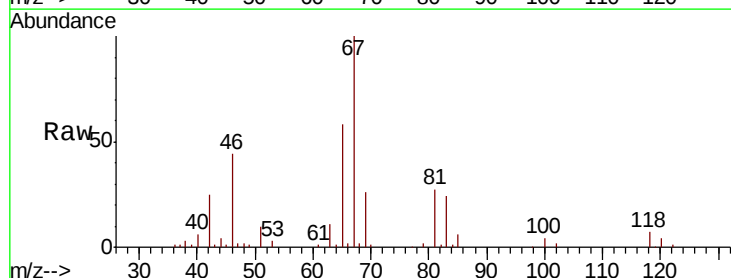
Instrument :
 MSVOA_U
 ClientSampleId :
 VHBLK01

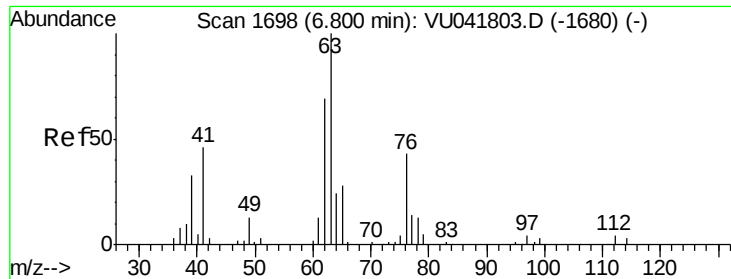
Tot Ion: 62 Resp: 874
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.2 12.2#



#35
 Methylcyclohexane
 Concen: 0.766 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.07 min
 Lab File: VU041814.D
 Acq: 24 Dec 2020 18:17

Tgt Ion: 83 Resp: 12327
 Ion Ratio Lower Upper
 83 100
 55 0.0 61.2 91.8#
 98 0.7 36.6 54.8#

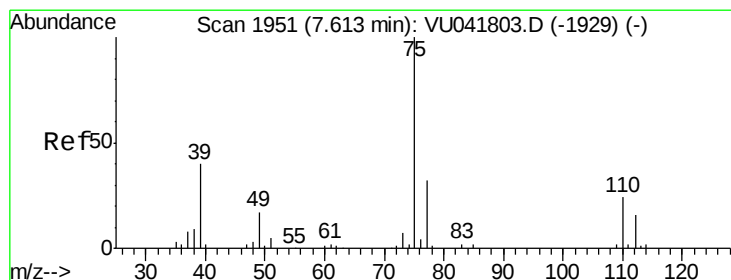
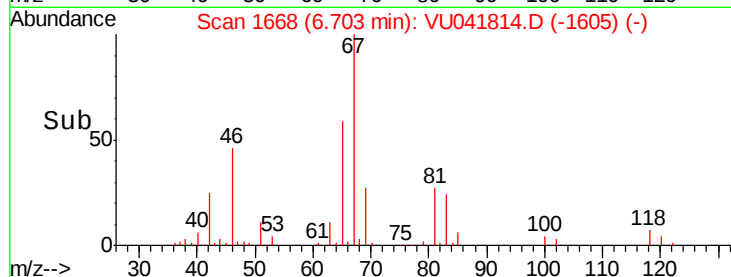
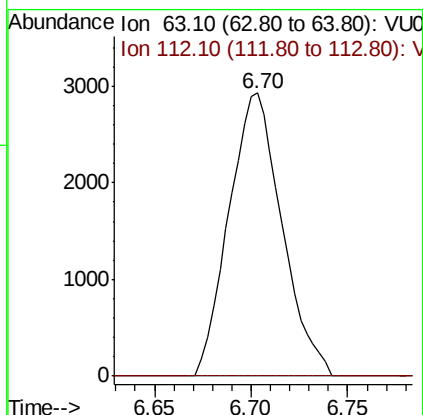
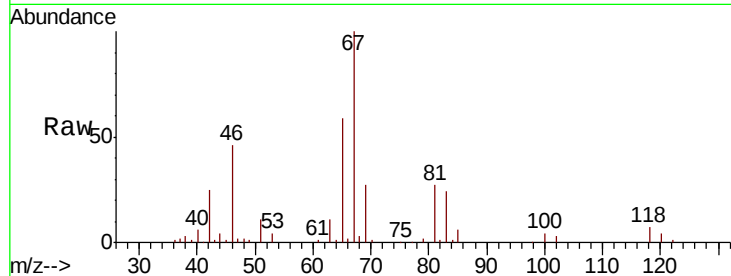




#37
 1,2-Dichloropropane
 Concen: 0.551 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU041814.D
 Acq: 24 Dec 2020 18:17

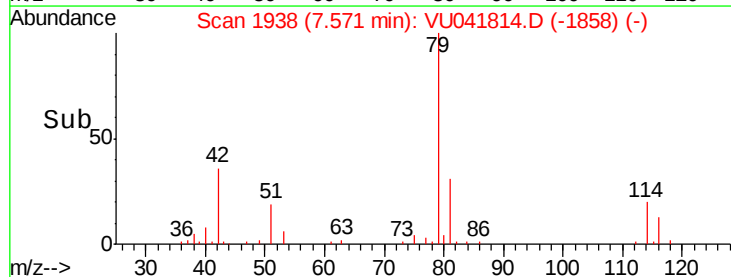
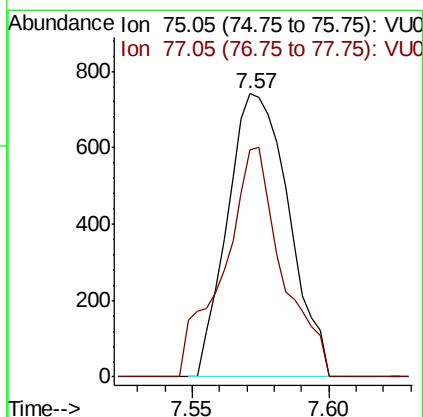
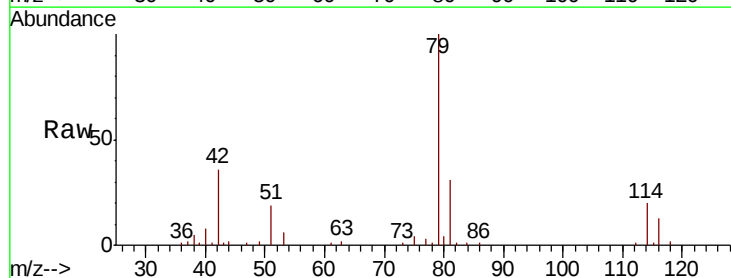
Instrument :
 MSVOA_U
 ClientSampleId :
 VHBLK01

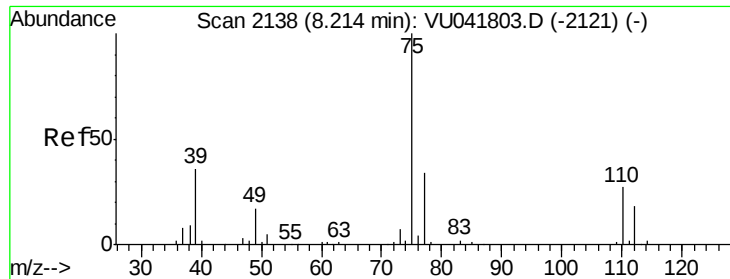
Tot Ion: 63 Resp: 5581
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.077 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041814.D
 Acq: 24 Dec 2020 18:17

Tgt Ion: 75 Resp: 1158
 Ion Ratio Lower Upper
 75 100
 77 80.4 22.3 41.3#





#44

trans-1,3-Dichloropropene

Concen: 0.059 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU041814.D

Acq: 24 Dec 2020 18:17

Instrument :

MSVOA_U

ClientSampleId :

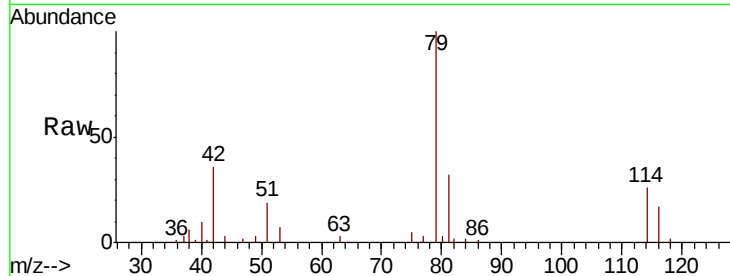
VHBLK01

Tot Ion: 75 Resp: 790

Ion Ratio Lower Upper

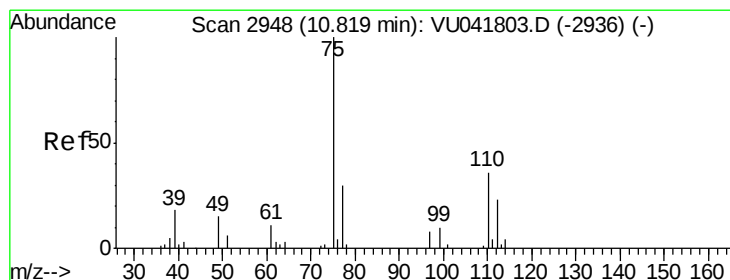
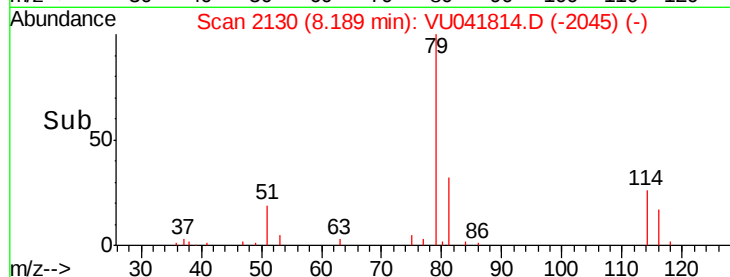
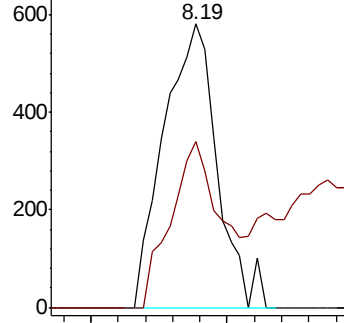
75 100

77 58.5 23.8 44.2#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#59

1,2,3-Trichloropropane

Concen: 0.775 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041814.D

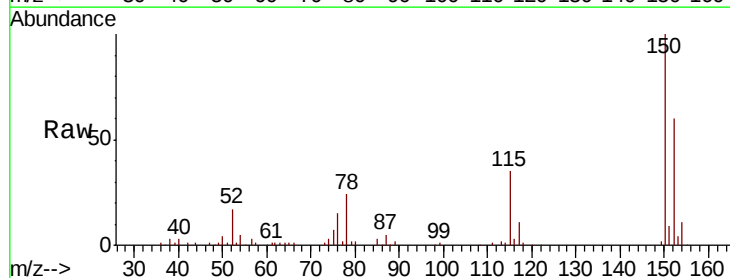
Acq: 24 Dec 2020 18:17

Tgt Ion: 75 Resp: 5896

Ion Ratio Lower Upper

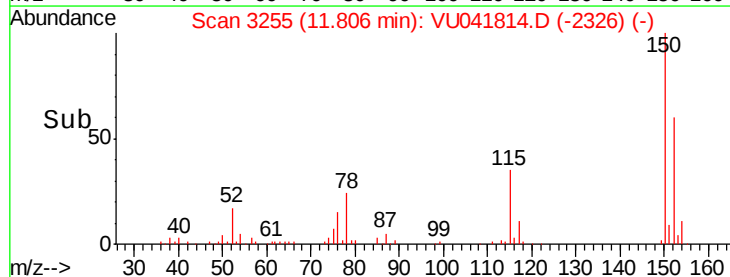
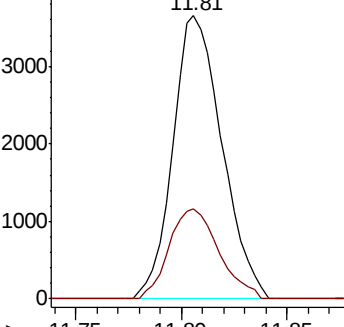
75 100

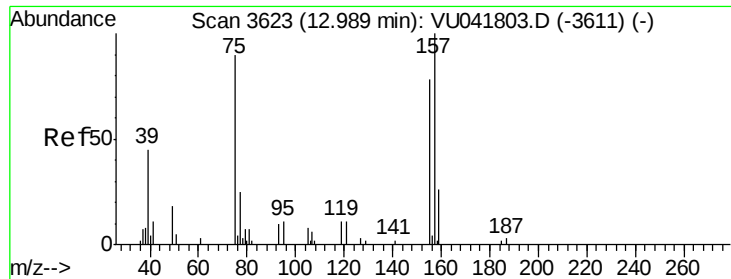
77 32.3 26.2 39.2



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: 0.078 ug/L

RT: 12.76 min Scan# 3553

Delta R.T. -0.22 min

Lab File: VU041814.D

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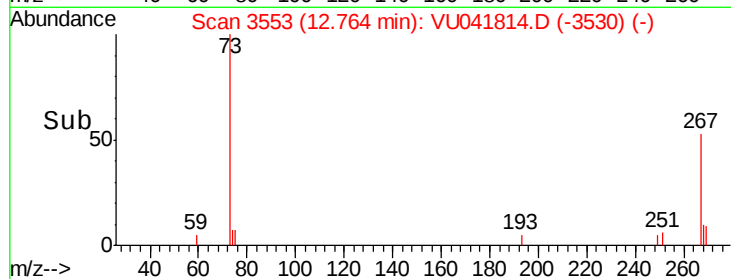
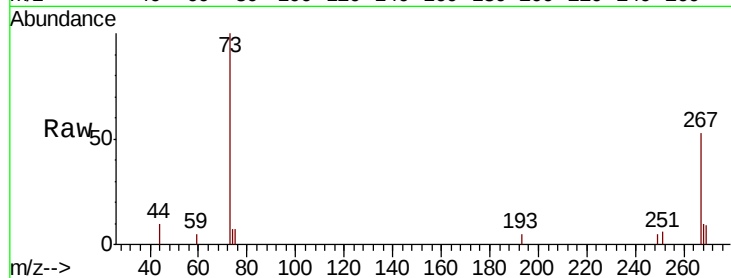
Tot Ion: 75 Resp: 119

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

