

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111020\
 Data File : VU041198.D
 Acq On : 11 Nov 2020 13:10
 Operator : SY/MD
 Sample : L4646-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VHBLK01

Quant Time: Nov 11 14:11:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 11 13:19:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	53466	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	63634	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	23158	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	23719	5.28	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.60%
7) Chloroethane-d5	1.92	69	19617	5.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	113.60%
11) 1,1-Dichloroethene-d2	2.58	63	34506	3.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.40%
20) 2-Butanone-d5	4.65	46	80652	54.53	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.06%
24) Chloroform-d	5.08	84	44514	5.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.20%
26) 1,2-Dichloroethane-d4	5.72	65	27218	5.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.60%
32) Benzene-d6	5.74	84	77691	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
36) 1,2-Dichloropropane-d6	6.70	67	23206	4.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.80%
41) Toluene-d8	7.90	98	59449	3.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.20%
43) trans-1,3-Dichloropropene-	8.18	79	9730	4.05	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.00%
46) 2-Hexanone-d5	8.64	63	49119	37.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	75.96%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	21158	4.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	23286	5.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.60%

Target Compounds

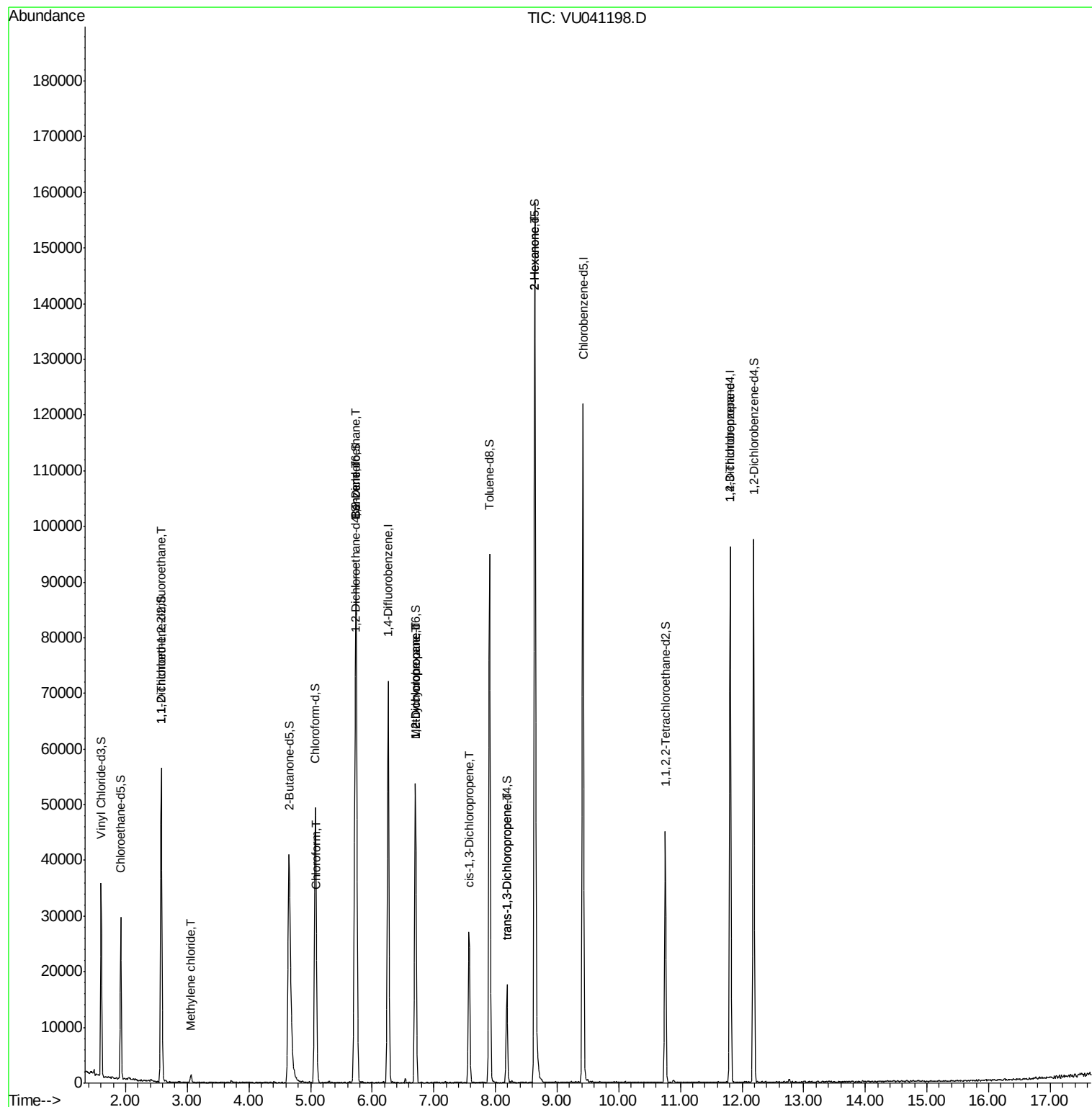
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	242	0.061	ug/L #	22
16) Methylene chloride	3.06	84	639	0.145	ug/L	98
25) Chloroform	5.11	83	1052	0.137	ug/L	91
27) 1,2-Dichloroethane	5.74	62	452	0.079	ug/L #	74
33) Benzene	5.74	78	730	0.038	ug/L	100
35) Methylcyclohexane	6.70	83	5298	0.734	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	3050	0.593	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	630	0.089	ug/L #	14
44) trans-1,3-Dichloropropene	8.19	75	527	0.079	ug/L #	58
48) 2-Hexanone	8.64	43	7779	2.518	ug/L #	66
59) 1,2,3-Trichloropropane	11.81	75	3155	0.823	ug/L #	86

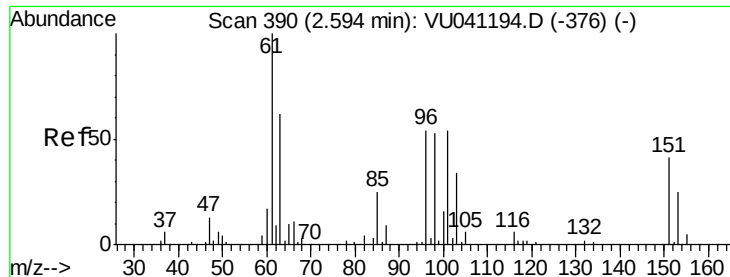
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.061 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU041198.D

Acq: 11 Nov 2020 13:10

Instrument :

MSVOA_U

ClientSampleId :

VHBLK01

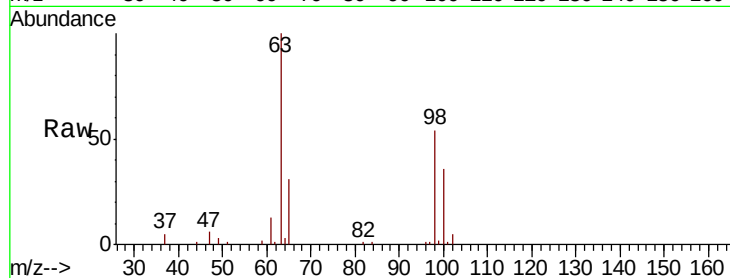
Tot Ion:101 Resp: 242

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

151 0.0 55.3 82.9#



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

250

200

150

100

50

0

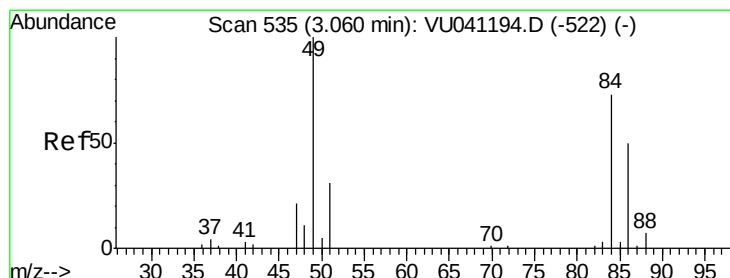
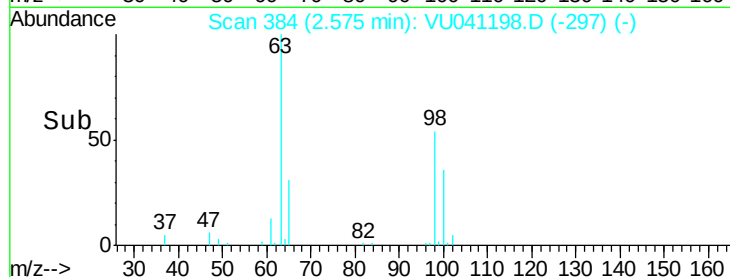
2.56

2.57

2.58

2.60

Time-->



#16

Methylene chloride

Concen: 0.145 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU041198.D

Acq: 11 Nov 2020 13:10

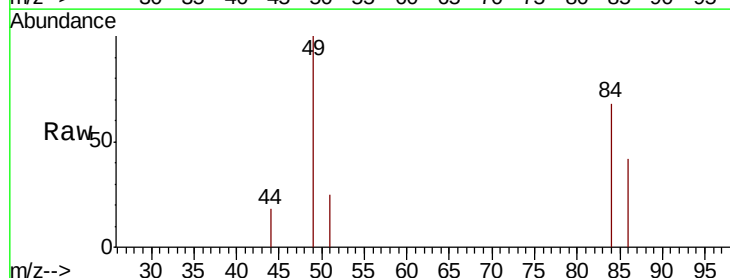
Tgt Ion: 84 Resp: 639

Ion Ratio Lower Upper

84 100

86 61.5 42.8 79.6

49 146.1 99.5 184.7



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

800

600

400

200

0

3.02

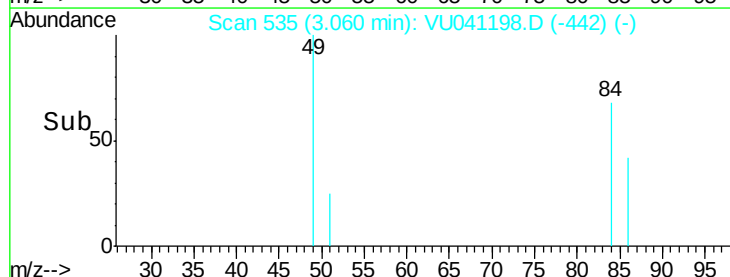
3.04

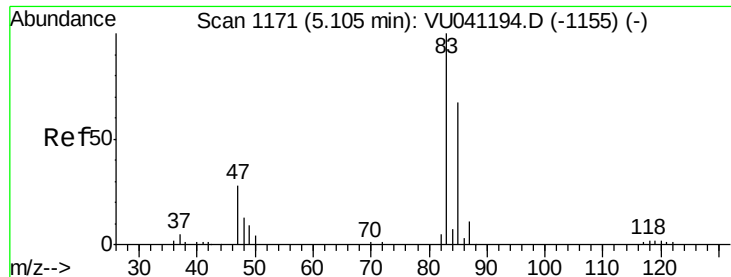
3.06

3.08

3.10

Time-->

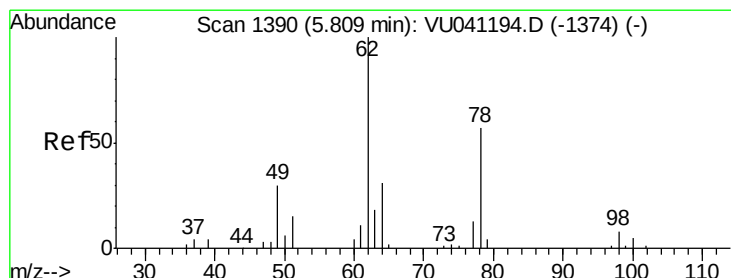
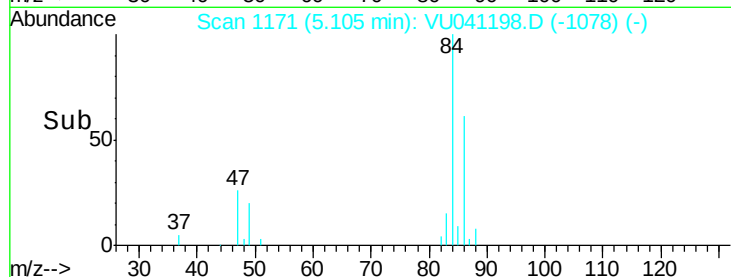
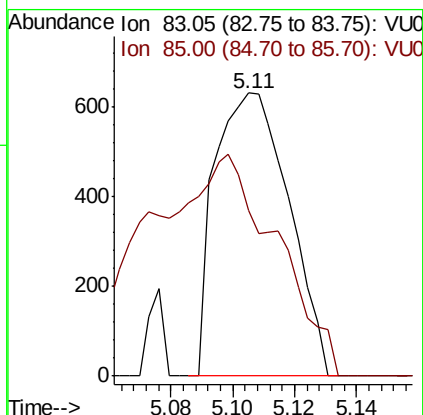
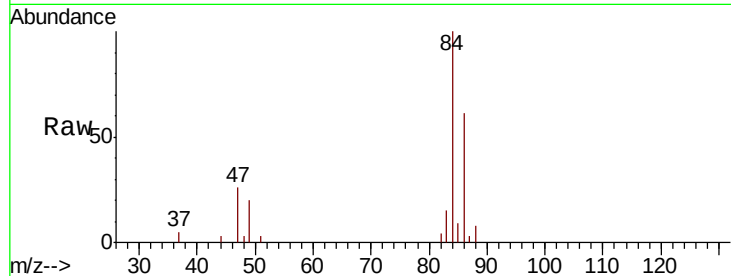




#25
Chloroform
Concen: 0.137 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU041198.D
Acq: 11 Nov 2020 13:10

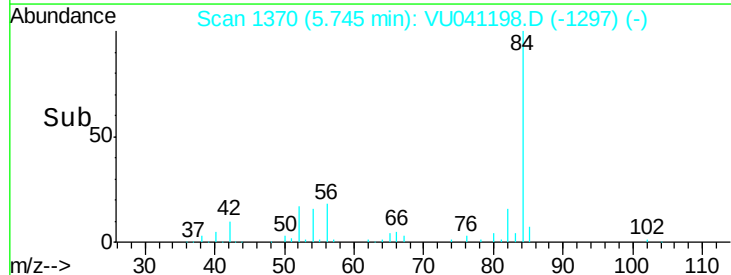
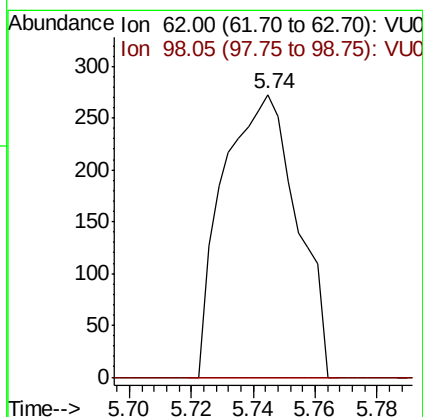
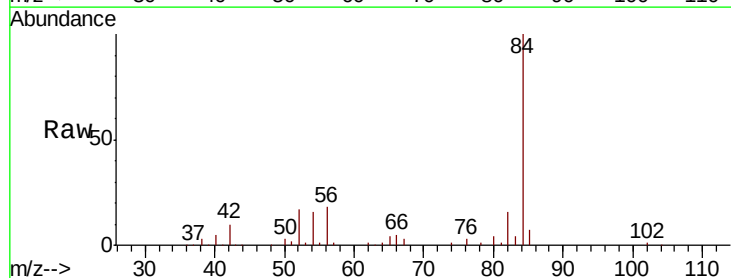
Instrument :
MSVOA_U
ClientSampleId :
VHBLK01

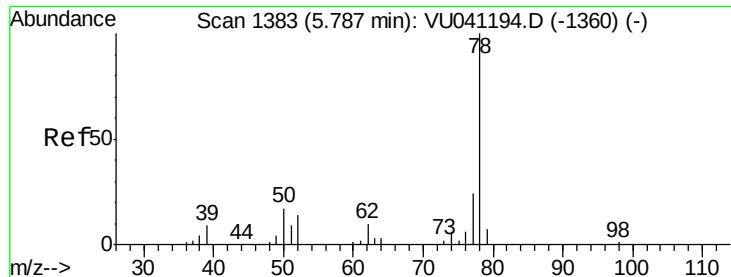
Tot Ion: 83 Resp: 1052
Ion Ratio Lower Upper
83 100
85 58.5 46.1 85.7



#27
1,2-Dichloroethane
Concen: 0.079 ug/L
RT: 5.74 min Scan# 1370
Delta R.T. -0.06 min
Lab File: VU041198.D
Acq: 11 Nov 2020 13:10

Tgt Ion: 62 Resp: 452
Ion Ratio Lower Upper
62 100
98 0.0 7.6 11.4#





#33

Benzene

Concen: 0.038 ug/L

RT: 5.74 min Scan# 1368

Delta R.T. -0.05 min

Lab File: VU041198.D

Acq: 11 Nov 2020 13:10

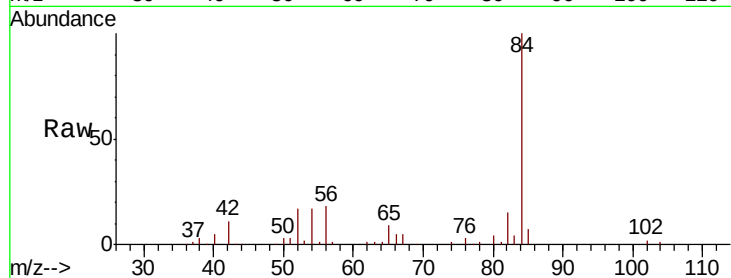
Instrument :

MSVOA_U

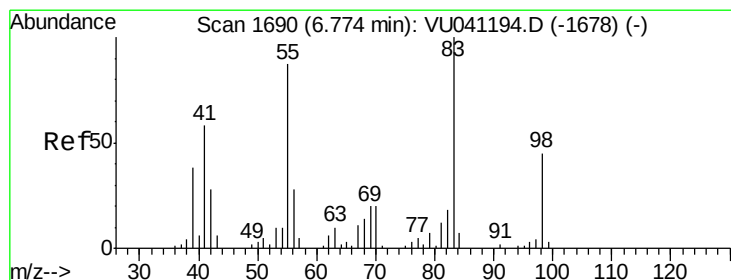
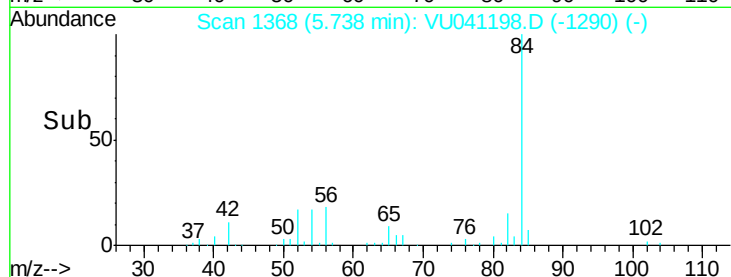
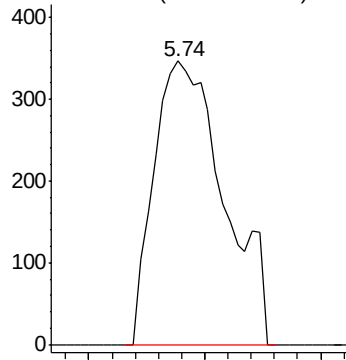
ClientSampleId :

VHBLK01

Tgt Ion: 78 Resp: 730



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.734 ug/L

RT: 6.70 min Scan# 1668

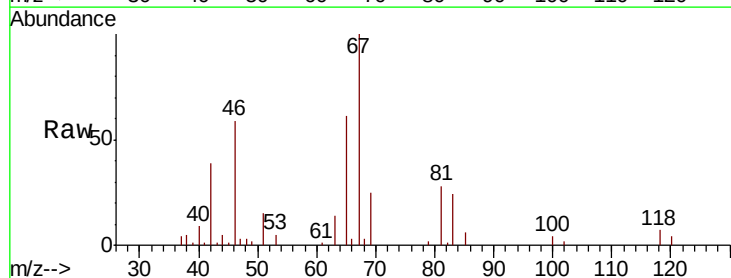
Delta R.T. -0.07 min

Lab File: VU041198.D

Acq: 11 Nov 2020 13:10

Tgt Ion: 83 Resp: 5298

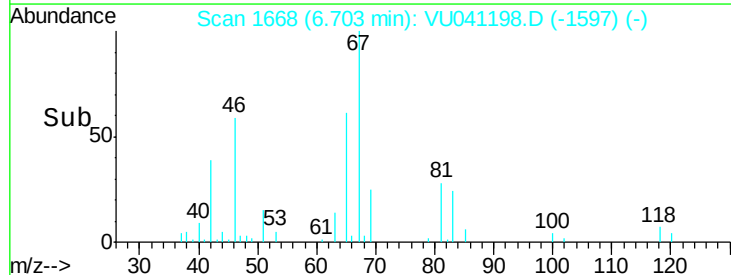
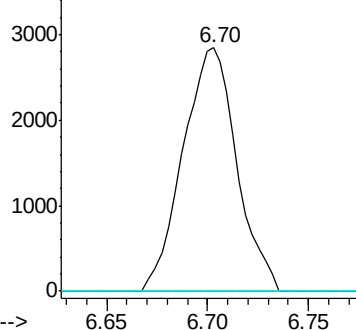
Ion	Ratio	Lower	Upper
83	100		
55	0.0	72.0	108.0#
98	1.1	36.6	55.0#

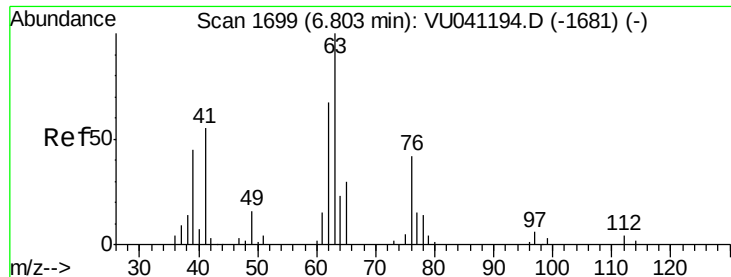


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

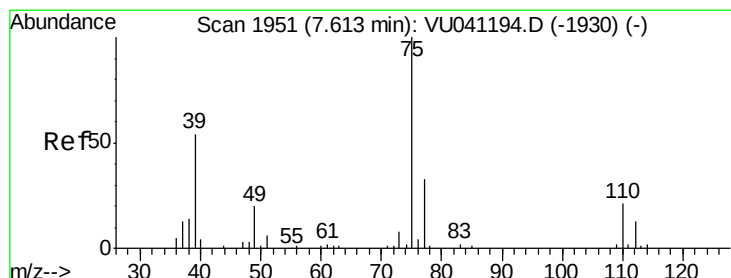
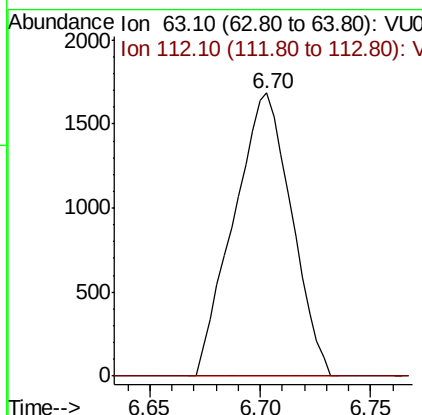
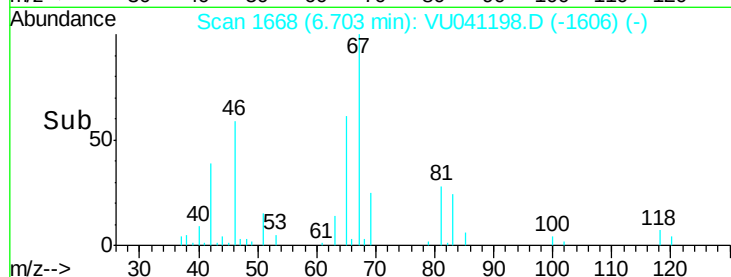
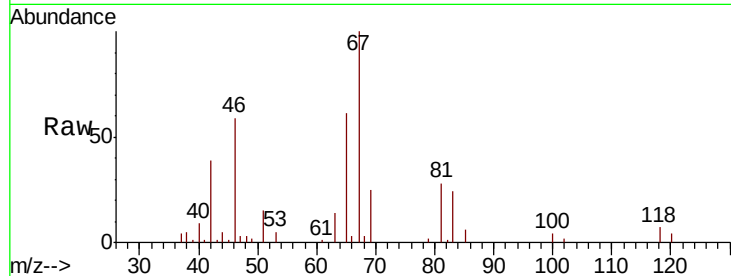




#37
 1,2-Dichloropropane
 Concen: 0.593 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU041198.D
 Acq: 11 Nov 2020 13:10

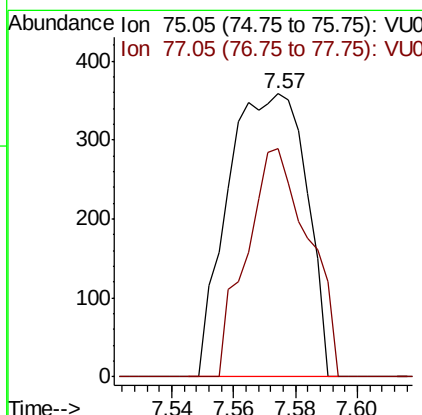
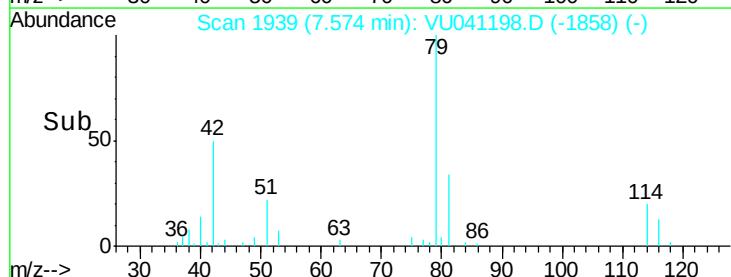
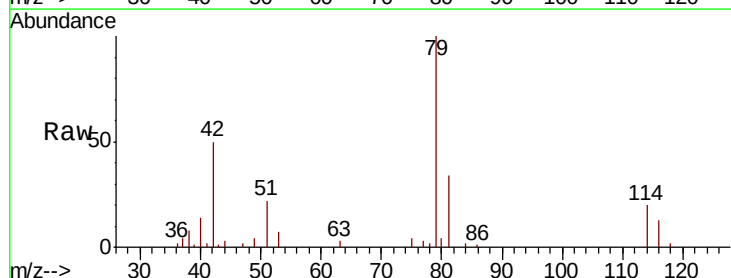
Instrument :
 MSVOA_U
 ClientSampleId :
 VHBLK01

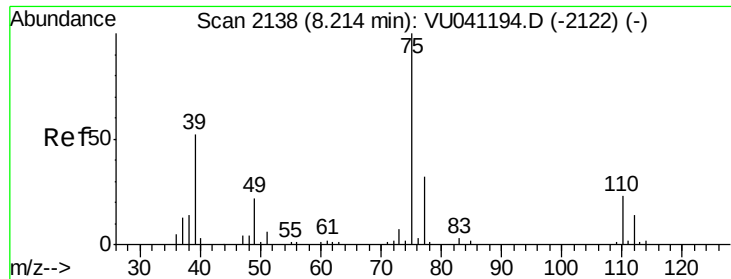
Tot Ion: 63 Resp: 3050
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.089 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041198.D
 Acq: 11 Nov 2020 13:10

Tgt Ion: 75 Resp: 630
 Ion Ratio Lower Upper
 75 100
 77 80.7 22.7 42.3#





#44

trans-1,3-Dichloropropene

Concen: 0.079 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU041198.D

Acq: 11 Nov 2020 13:10

Instrument :

MSVOA_U

ClientSampleId :

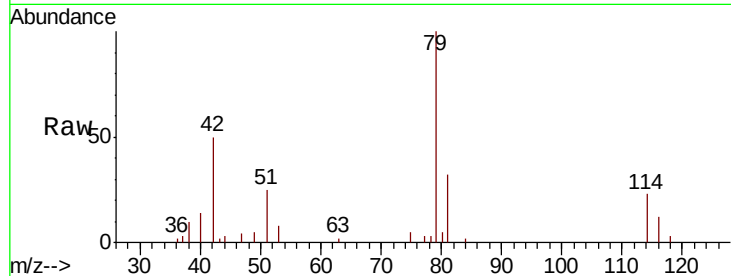
VHBLK01

Tot Ion: 75 Resp: 527

Ion Ratio Lower Upper

75 100

77 57.1 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.19

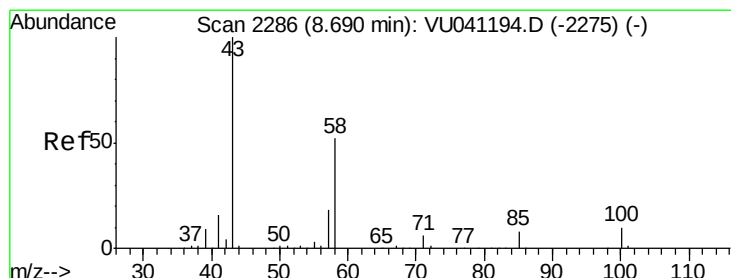
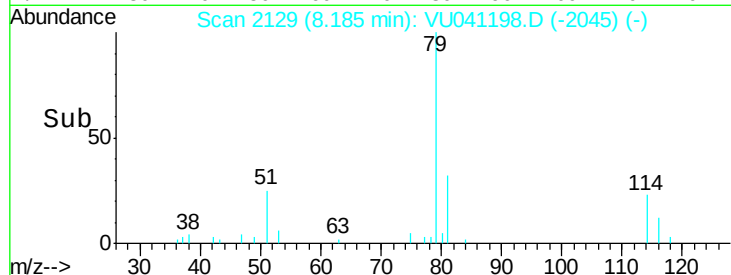
300

200

100

0

Time--> 8.14 8.16 8.18 8.20 8.22



#48

2-Hexanone

Concen: 2.518 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU041198.D

Acq: 11 Nov 2020 13:10

Tgt Ion: 43 Resp: 7779

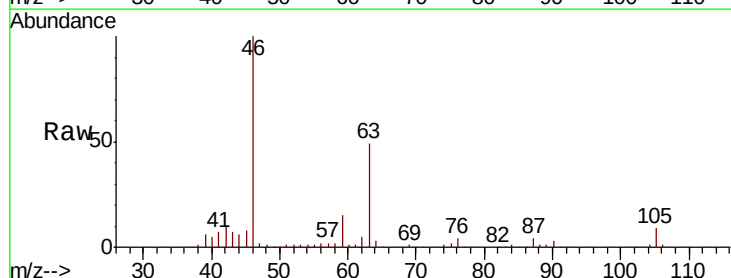
Ion Ratio Lower Upper

43 100

58 26.0 41.4 62.2#

57 31.3 14.6 21.8#

100 0.0 8.3 12.5#



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

6000

5000

4000

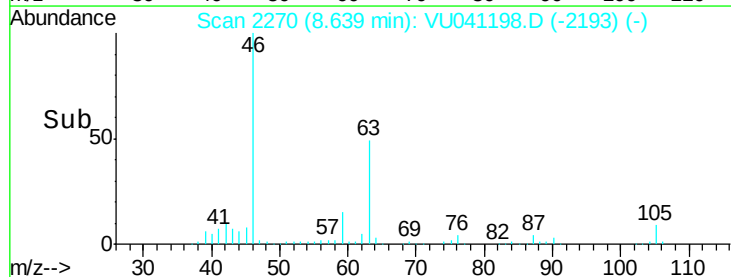
3000

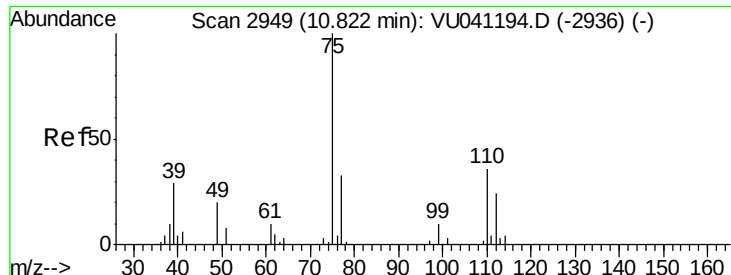
2000

1000

0

Time--> 8.60 8.65 8.70





#59

1,2,3-Trichloropropane

Concen: 0.823 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041198.D

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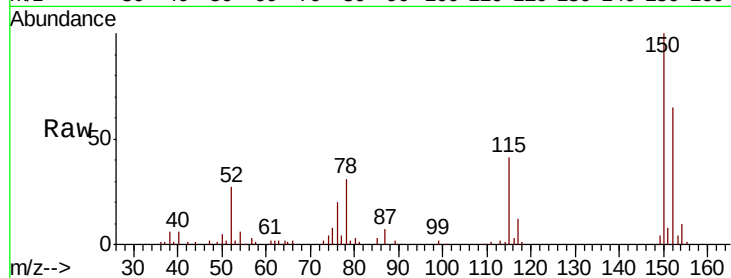
VHBLK01

Tot Ion: 75 Resp: 3155

Ion Ratio Lower Upper

75 100

77 39.9 25.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

