

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102720\
 Data File : VU040976.D
 Acq On : 27 Oct 2020 12:09
 Operator : SY/MD
 Sample : VU1027WBL01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK10

Quant Time: Oct 28 02:24:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 28 02:17:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	58354	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	60623	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	24580	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	23062	4.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.00%
7) Chloroethane-d5	1.92	69	18544	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.40%
11) 1,1-Dichloroethene-d2	2.58	63	34269	3.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.20%
20) 2-Butanone-d5	4.66	46	78926	48.89	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.78%
24) Chloroform-d	5.08	84	41231	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	5.72	65	25589	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
32) Benzene-d6	5.74	84	74861	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
36) 1,2-Dichloropropane-d6	6.70	67	25414	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.20%
41) Toluene-d8	7.91	98	58450	3.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.60%
43) trans-1,3-Dichloropropene-	8.19	79	10097	4.41	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.20%
46) 2-Hexanone-d5	8.64	63	54627	44.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.68%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	22546	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	21903	5.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.60%

Target Compounds

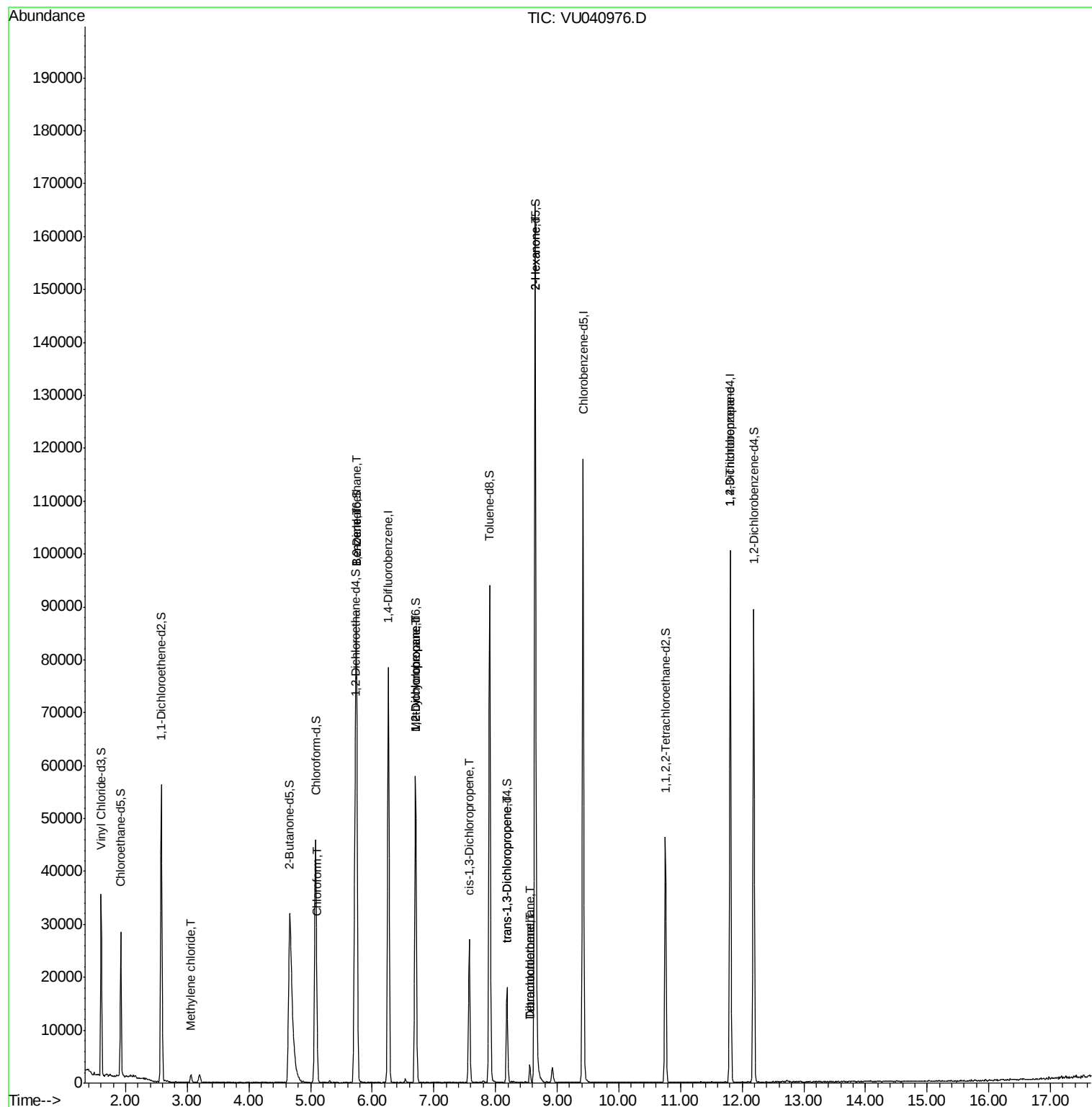
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
16) Methylene chloride	3.06	84	778	0.162	ug/L	84
25) Chloroform	5.11	83	662	0.079	ug/L	97
27) 1,2-Dichloroethane	5.75	62	373	0.060	ug/L #	74
33) Benzene	5.74	78	581	0.032	ug/L	100
35) Methylcyclohexane	6.70	83	5991	0.871	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	2880	0.588	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	806	0.119	ug/L #	82
44) trans-1,3-Dichloropropene	8.18	75	414	0.066	ug/L #	41
47) Tetrachloroethene	8.56	164	788	0.232	ug/L	80
48) 2-Hexanone	8.64	43	8347	2.837	ug/L #	69
49) Dibromochloromethane	8.55	129	602	0.142	ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	3109	0.851	ug/L #	86

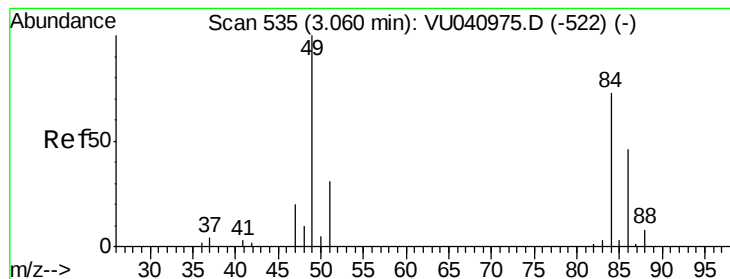
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 28 02:17:39 2020
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#16

Methvlene chloride

Concen: 0.162 ug/L

RT: 3.06 min Scan# 534

Delta R.T. -0.00 min

Lab File: VU040976.D

Acq: 27 Oct 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

VBLK10

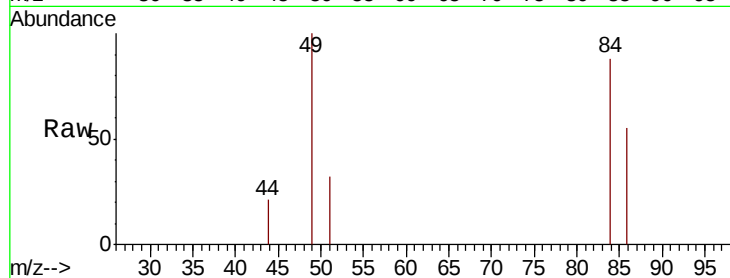
Tot Ion: 84 Resp: 778

Ion Ratio Lower Upper

84 100

86 62.6 42.8 79.6

49 114.3 99.5 184.7



Abundance Ion 84.05 (83.75 to 84.75): VU040976.D (-442) (-)

Ion 86.00 (85.70 to 86.70): VU040976.D (-442) (-)

Ion 49.10 (48.80 to 49.80): VU040976.D (-442) (-)

3.06

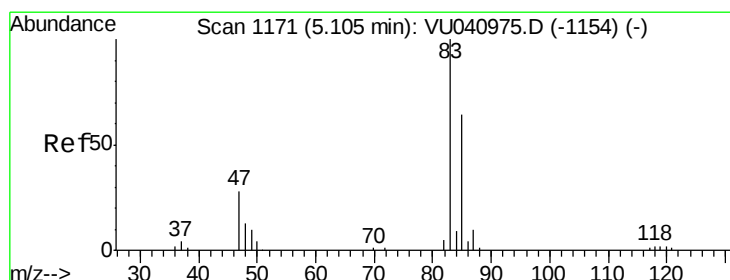
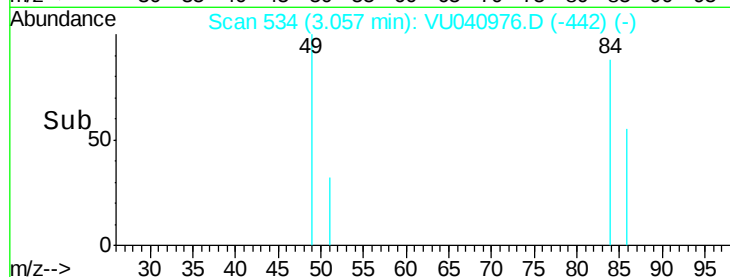
400

200

0

3.05 3.10

Time-->



#25

Chloroform

Concen: 0.079 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU040976.D

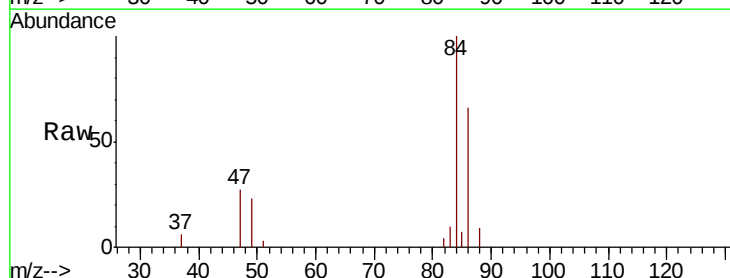
Acq: 27 Oct 2020 12:09

Tgt Ion: 83 Resp: 662

Ion Ratio Lower Upper

83 100

85 68.3 46.1 85.7



Abundance Ion 83.05 (82.75 to 83.75): VU040976.D (-1078) (-)

Ion 85.00 (84.70 to 85.70): VU040976.D (-1078) (-)

5.11

400

300

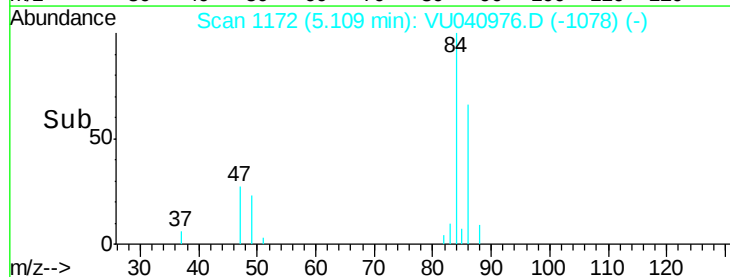
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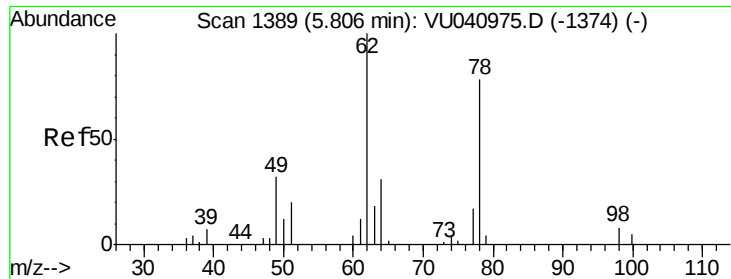
100

0

5.06 5.08 5.10 5.12 5.14

Time-->





#27

1,2-Dichloroethane

Concen: 0.060 ug/L

RT: 5.75 min Scan# 1370

Delta R.T. -0.06 min

Lab File: VU040976.D

Acq: 27 Oct 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

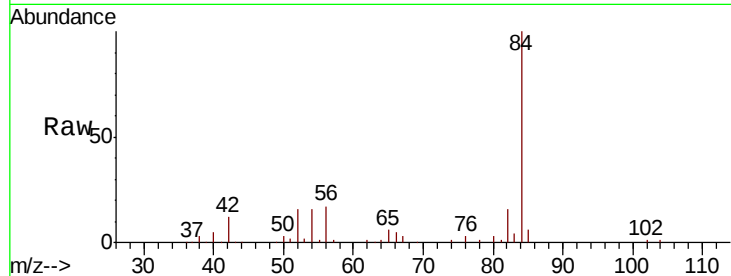
VBLK10

Tot Ion: 62 Resp: 373

Ion Ratio Lower Upper

62 100

98 0.0 7.6 11.4#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0

250

200

150

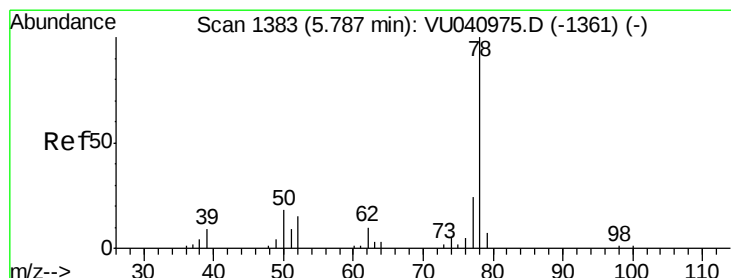
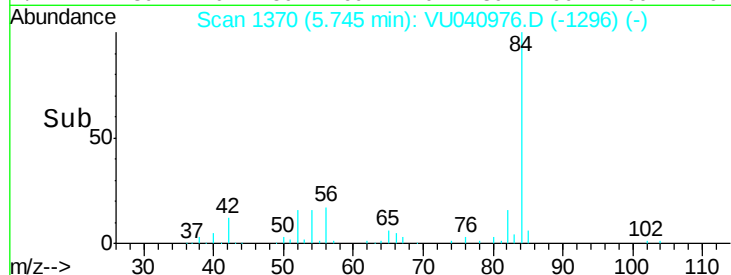
100

50

0

5.70 5.72 5.74 5.76 5.78

Time-->



#33

Benzene

Concen: 0.032 ug/L

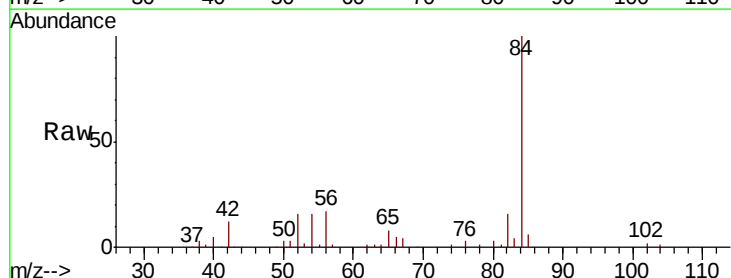
RT: 5.74 min Scan# 1369

Delta R.T. -0.04 min

Lab File: VU040976.D

Acq: 27 Oct 2020 12:09

Tgt Ion: 78 Resp: 581



Abundance Ion 78.10 (77.80 to 78.80): VU0

300

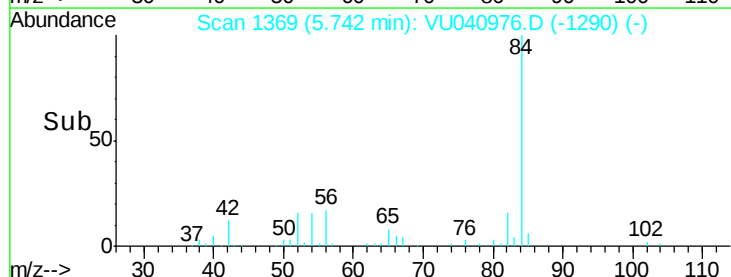
200

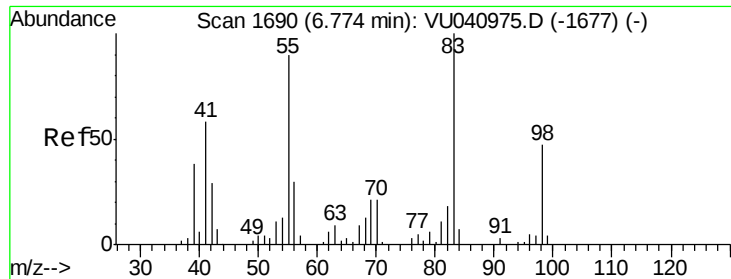
100

0

5.70 5.72 5.74 5.76 5.78

Time-->

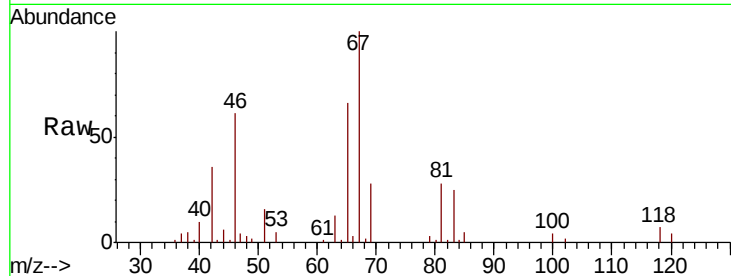




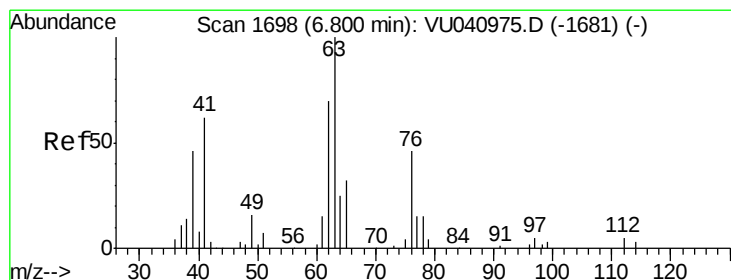
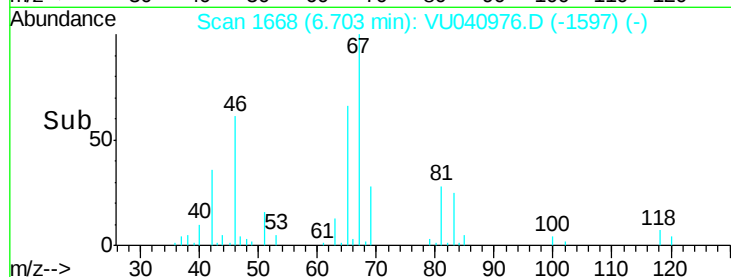
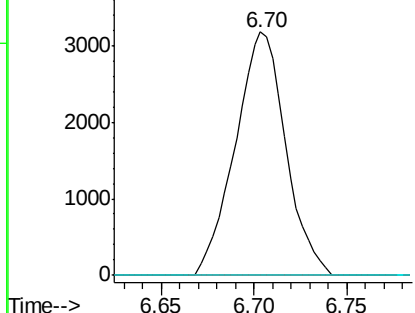
#35
Methvlcvclohexane
Concen: 0.871 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040976.D
Acq: 27 Oct 2020 12:09

Instrument :
MSVOA_U
ClientSampleId :
VBLK10

Tot Ion: 83 Resp: 5991
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 1.1 36.6 55.0#

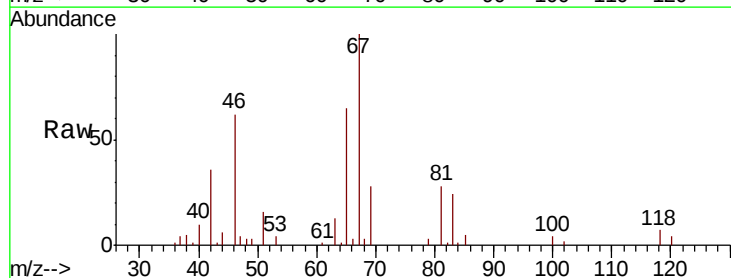


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

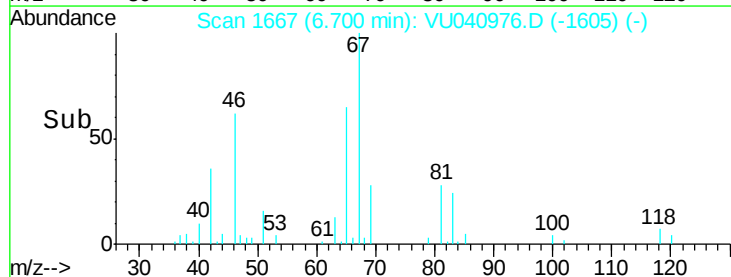
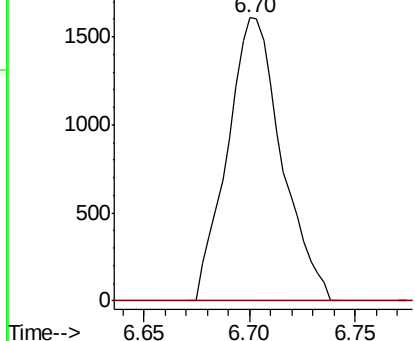


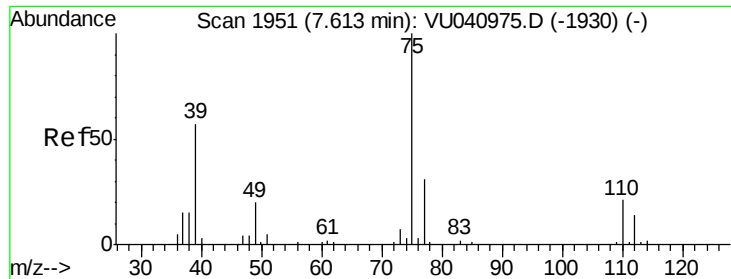
#37
1,2-Dichloropropane
Concen: 0.588 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU040976.D
Acq: 27 Oct 2020 12:09

Tgt Ion: 63 Resp: 2880
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

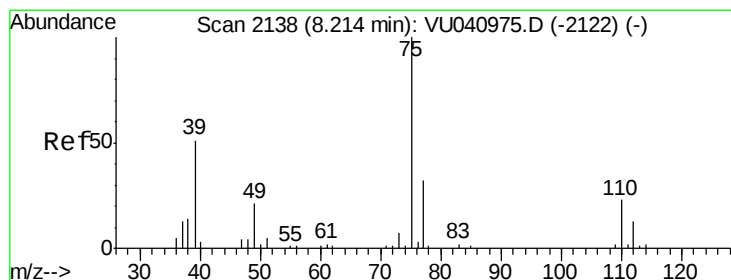
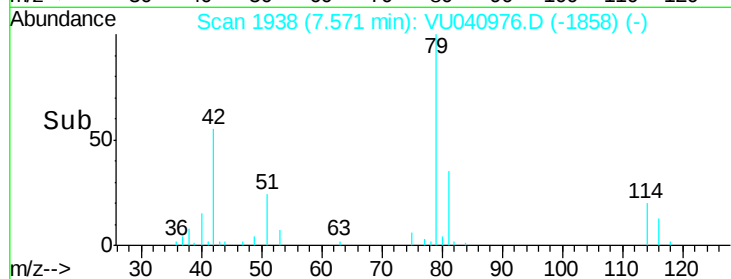
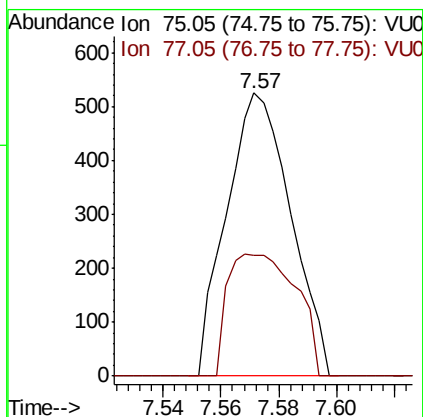
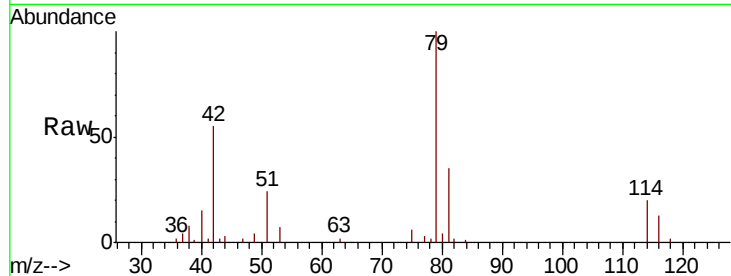




#39
 cis-1,3-Dichloropropene
 Concen: 0.119 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU040976.D
 Acq: 27 Oct 2020 12:09

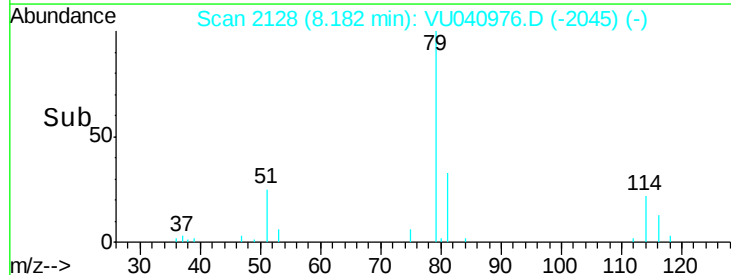
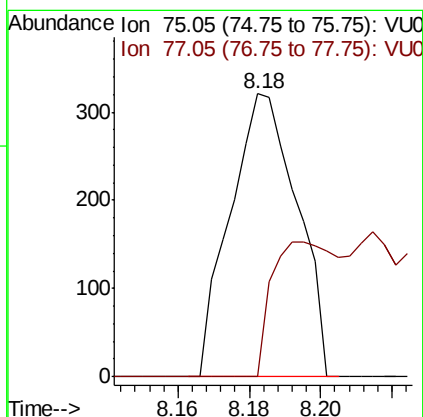
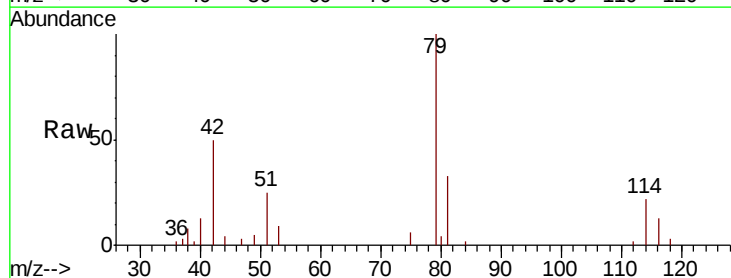
Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK10

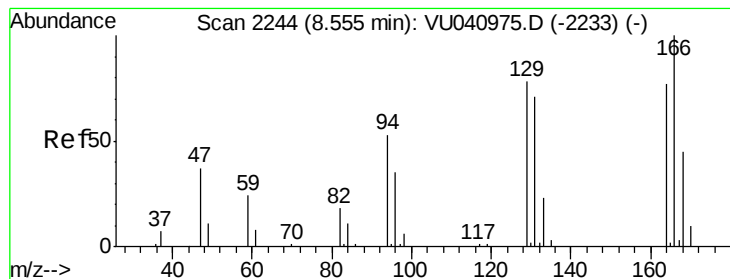
Tot Ion: 75 Resp: 806
 Ion Ratio Lower Upper
 75 100
 77 42.9 22.7 42.3#



#44
 trans-1,3-Dichloropropene
 Concen: 0.066 ug/L
 RT: 8.18 min Scan# 2128
 Delta R.T. -0.03 min
 Lab File: VU040976.D
 Acq: 27 Oct 2020 12:09

Tgt Ion: 75 Resp: 414
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.3 43.3#





#47

Tetrachloroethene

Concen: 0.232 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040976.D

Acq: 27 Oct 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

VBLK10

Tot Ion:164 Resp: 788

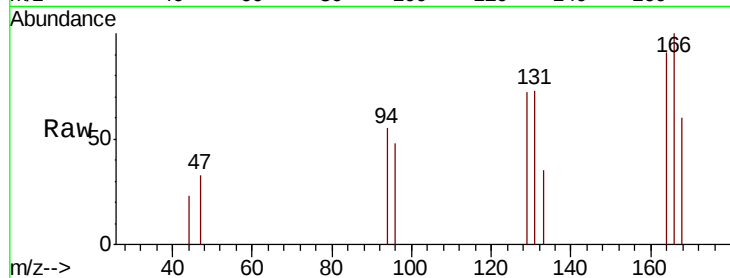
Ion Ratio Lower Upper

164 100

129 79.6 70.3 130.7

131 80.0 70.8 131.4

166 110.1 92.0 170.8

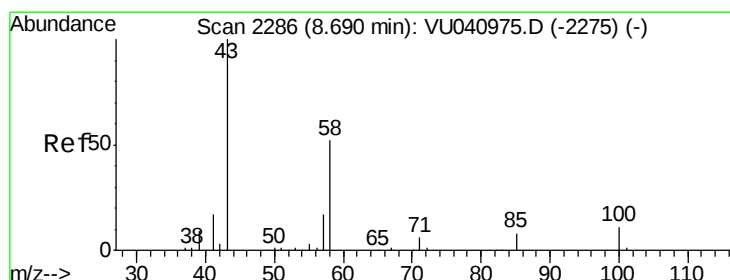
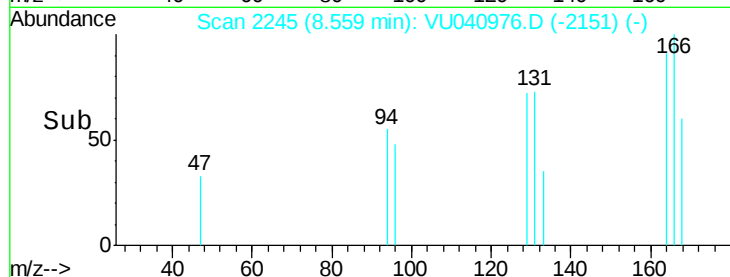
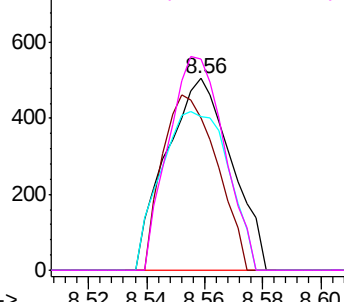


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 2.837 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU040976.D

Acq: 27 Oct 2020 12:09

Tgt Ion: 43 Resp: 8347

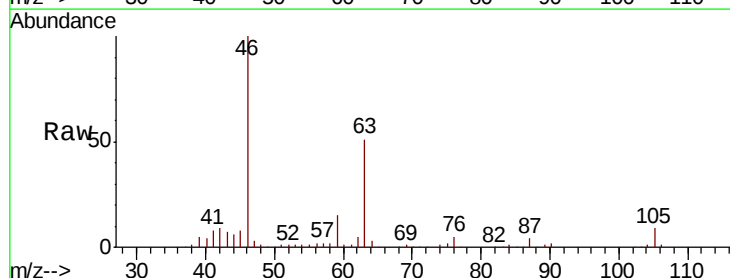
Ion Ratio Lower Upper

43 100

58 28.8 41.4 62.2#

57 30.2 14.6 21.8#

100 0.0 8.3 12.5#

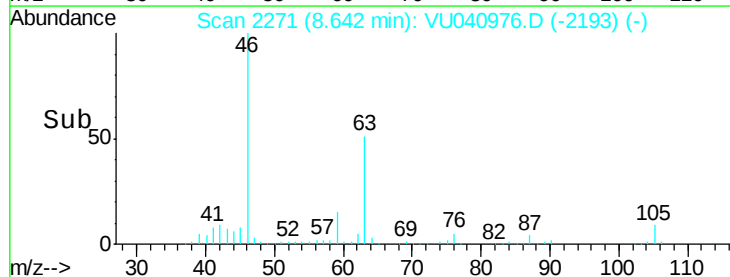
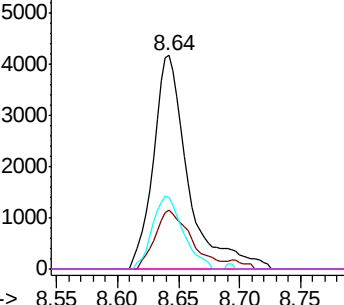


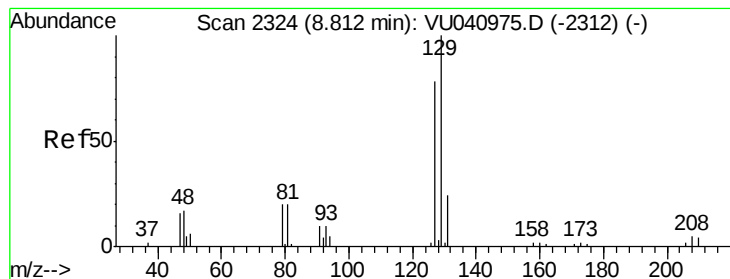
Abundance Ion 43.05 (42.75 to 43.75): VU0

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





#49

Dibromochloromethane

Concen: 0.142 ug/L

RT: 8.55 min Scan# 2243

Delta R.T. -0.26 min

Lab File: VU040976.D

Acq: 27 Oct 2020 12:09

Instrument :

MSVOA_U

ClientSampled :

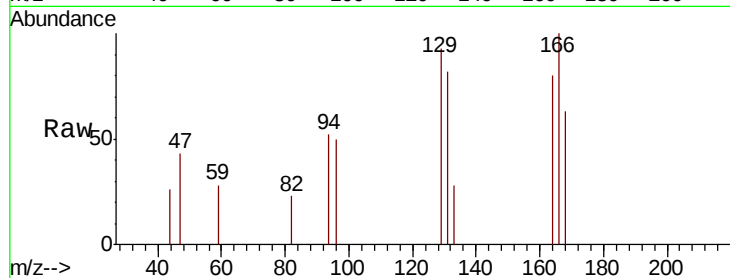
VBLK10

Tot Ion:129 Resp: 602

Ion Ratio Lower Upper

129 100

127 0.0 53.4 99.2#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.55

400

300

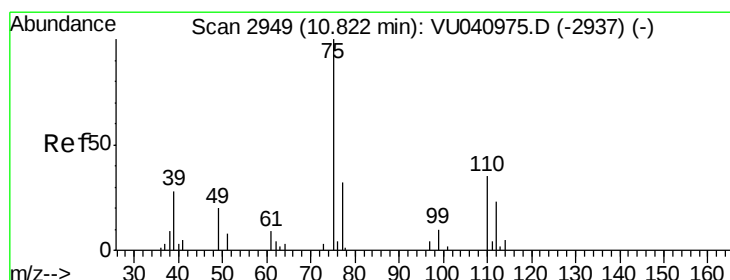
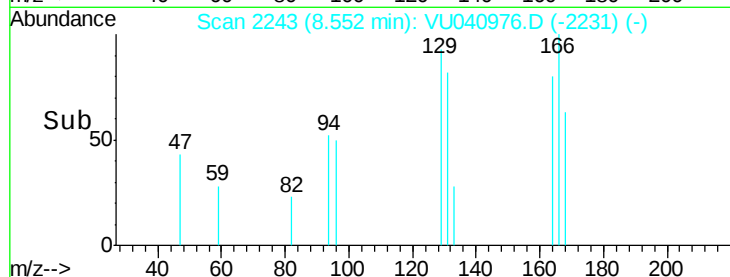
200

100

0

8.52 8.54 8.56 8.58

Time-->



#59

1,2,3-Trichloropropane

Concen: 0.851 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040976.D

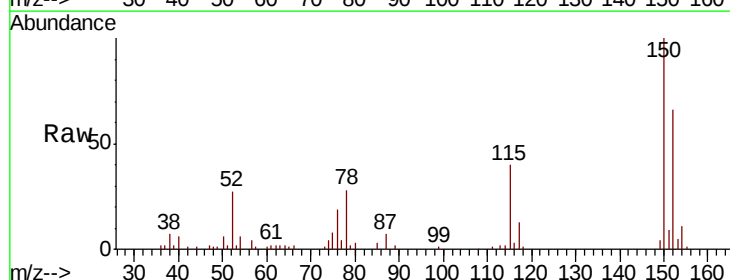
Acq: 27 Oct 2020 12:09

Tgt Ion: 75 Resp: 3109

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

11.81

2000

1500

1000

500

0

11.75 11.80 11.85

Time-->

