

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102720\
 Data File : VU040986.D
 Acq On : 27 Oct 2020 16:15
 Operator : SY/MD
 Sample : L4493-02DL 200X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AQ0DL

Quant Time: Oct 28 02:26:34 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	54630	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	58562	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	22803	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	23487	5.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.40%
7) Chloroethane-d5	1.92	69	19179	5.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.80%
11) 1,1-Dichloroethene-d2	2.58	63	35973	4.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.00%
20) 2-Butanone-d5	4.66	46	83060	54.96	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.92%
24) Chloroform-d	5.08	84	43312	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.80%
26) 1,2-Dichloroethane-d4	5.72	65	27410	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.00%
32) Benzene-d6	5.74	84	77471	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
36) 1,2-Dichloropropane-d6	6.70	67	26626	5.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.40%
41) Toluene-d8	7.91	98	59664	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.00%
43) trans-1,3-Dichloropropene-	8.19	79	10599	4.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.80%
46) 2-Hexanone-d5	8.64	63	59838	50.28	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.56%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	23062	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	22835	5.71	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.20%

Target Compounds

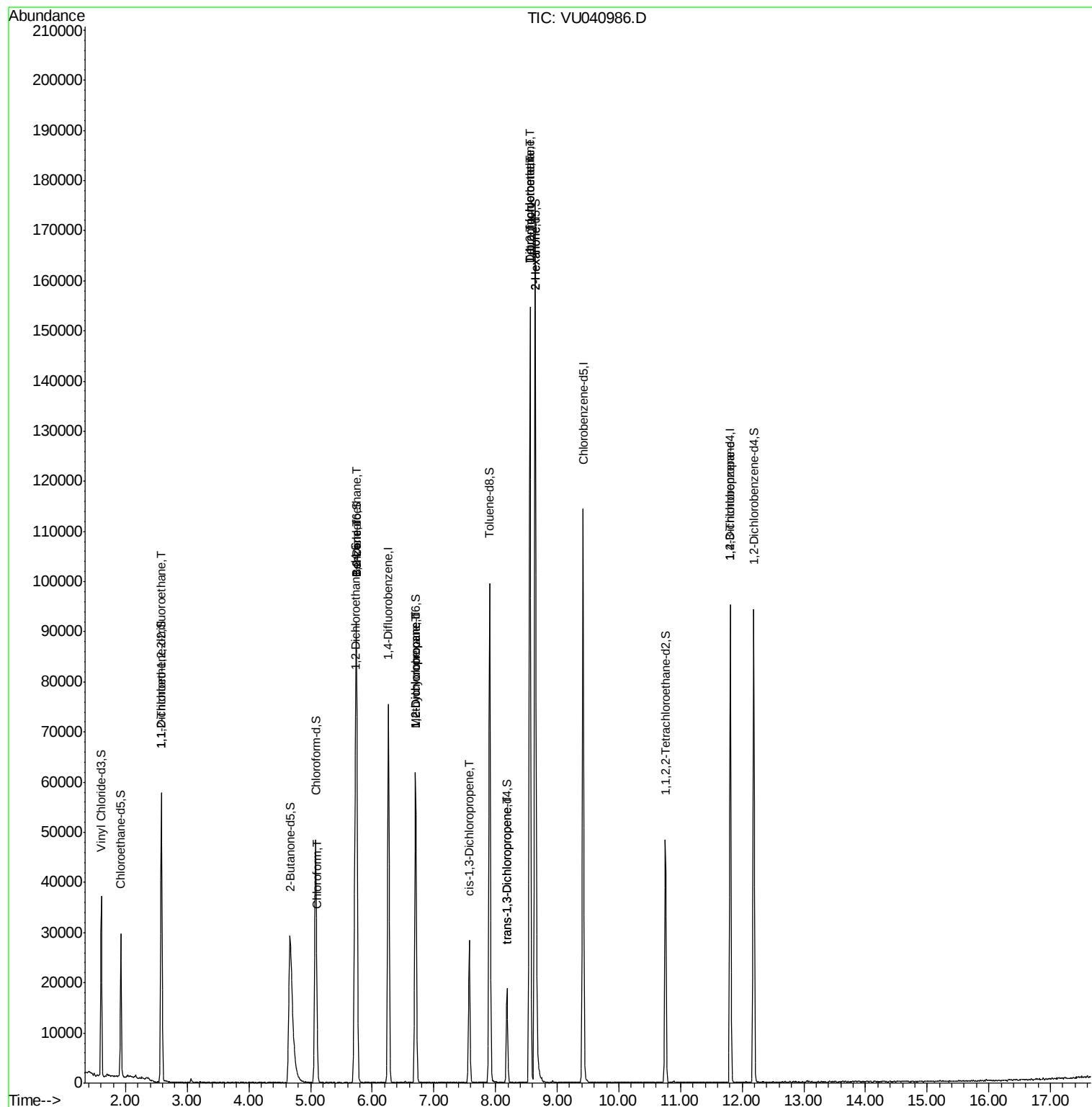
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	191	0.047	ug/L #	22
25) Chloroform	5.11	83	882	0.112	ug/L	92
27) 1,2-Dichloroethane	5.74	62	432	0.074	ug/L #	74
33) Benzene	5.75	78	668	0.038	ug/L	100
35) Methylcyclohexane	6.70	83	6298	0.948	ug/L #	13
37) 1,2-Dichloropropane	6.70	63	3173	0.670	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	597	0.092	ug/L #	39
44) trans-1,3-Dichloropropene	8.19	75	405	0.066	ug/L #	58
45) 1,1,2-Trichloroethane	8.56	97	233	0.066	ug/L #	1
47) Tetrachloroethene	8.56	164	31309	9.562	ug/L	96
48) 2-Hexanone	8.64	43	9363	3.294	ug/L #	71
49) Dibromochloromethane	8.56	129	31352	7.659	ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	3437	0.974	ug/L	98

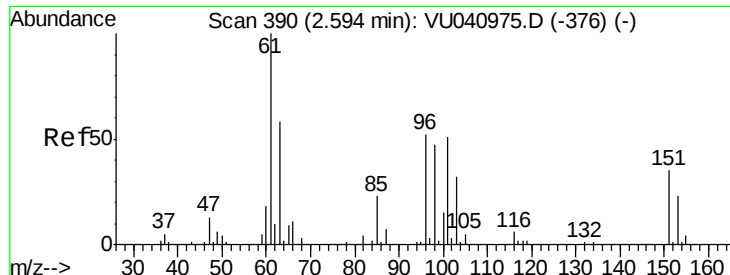
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.047 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040986.D

Acq: 27 Oct 2020 16:15

Instrument :

MSVOA_U

ClientSampleId :

C0AQ0DL

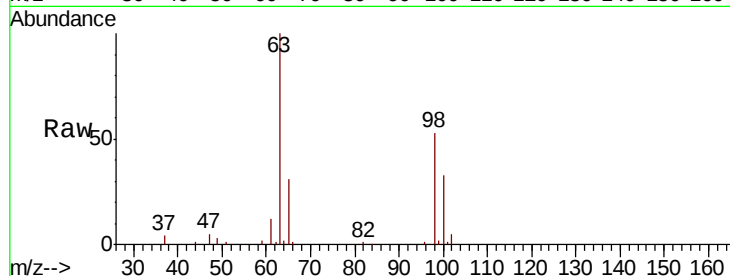
Tot Ion:101 Resp: 191

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

151 0.0 55.3 82.9#



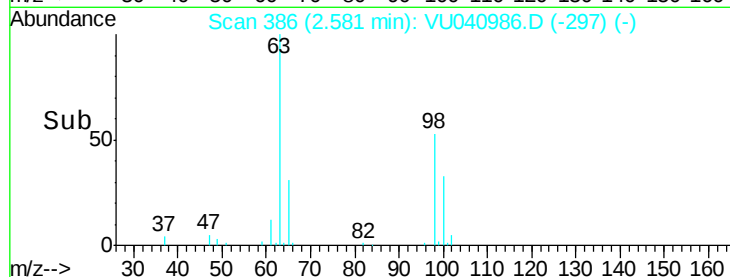
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

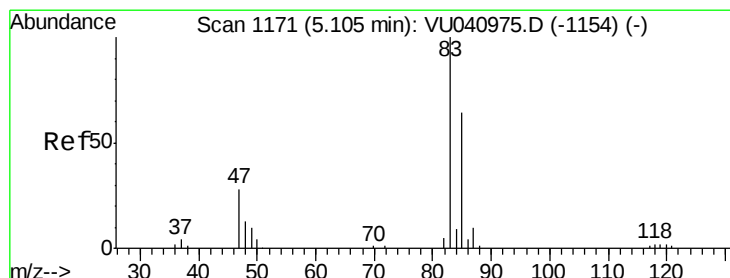
Ion 151.00 (150.70 to 151.70): V

2.58

2.56 2.58 2.60



Time-->



#25

Chloroform

Concen: 0.112 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU040986.D

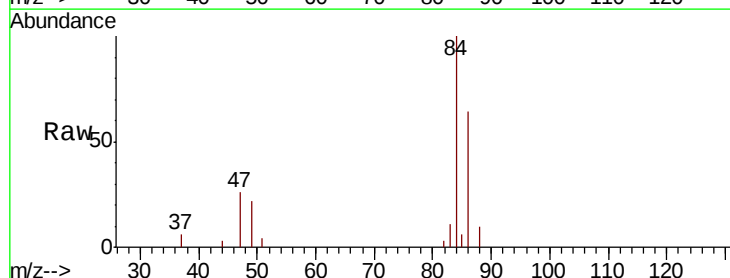
Acq: 27 Oct 2020 16:15

Tgt Ion: 83 Resp: 882

Ion Ratio Lower Upper

83 100

85 59.2 46.1 85.7

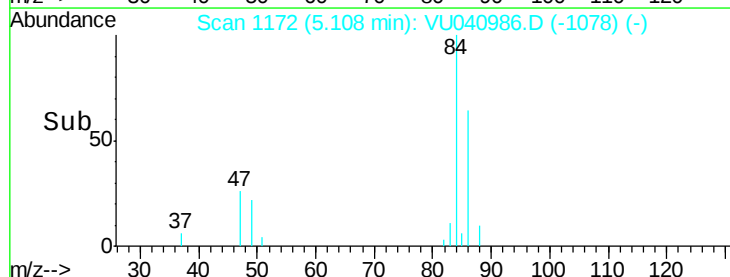


Abundance Ion 83.05 (82.75 to 83.75): VU0

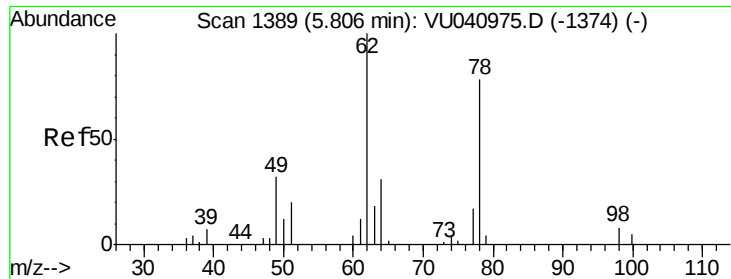
Ion 85.00 (84.70 to 85.70): VU0

5.11

5.05 5.10 5.15



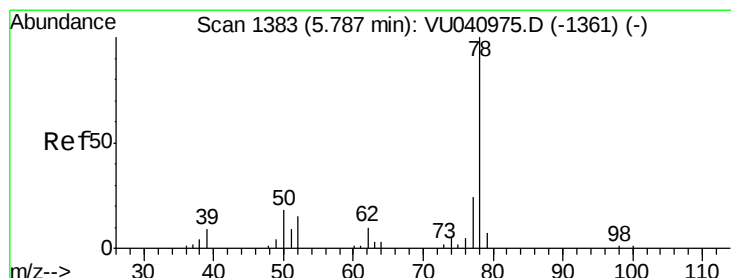
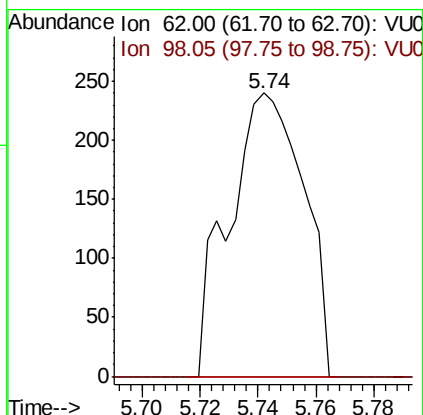
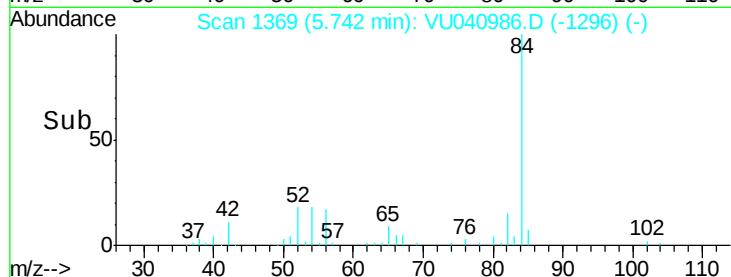
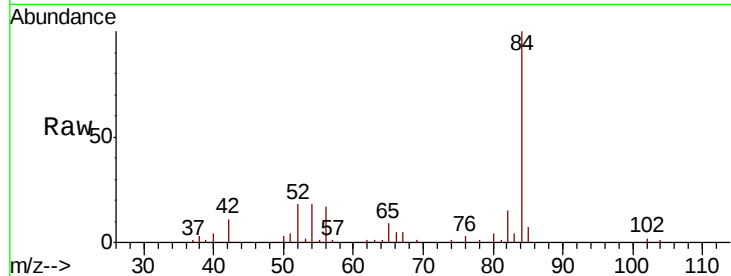
Time-->



#27
 1,2-Dichloroethane
 Concen: 0.074 ug/L
 RT: 5.74 min Scan# 1369
 Delta R.T. -0.06 min
 Lab File: VU040986.D
 Acq: 27 Oct 2020 16:15

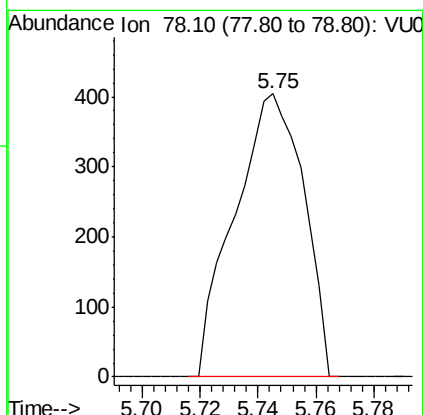
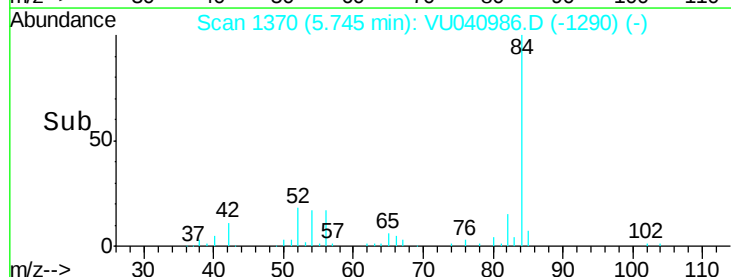
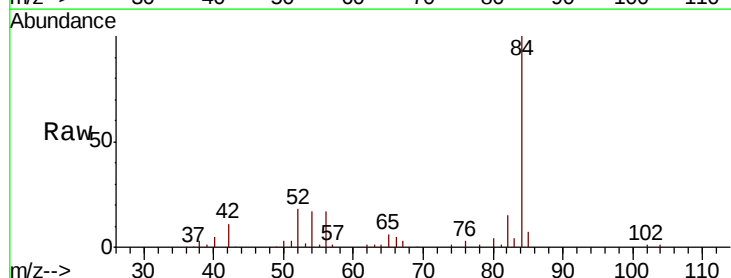
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AQ0DL

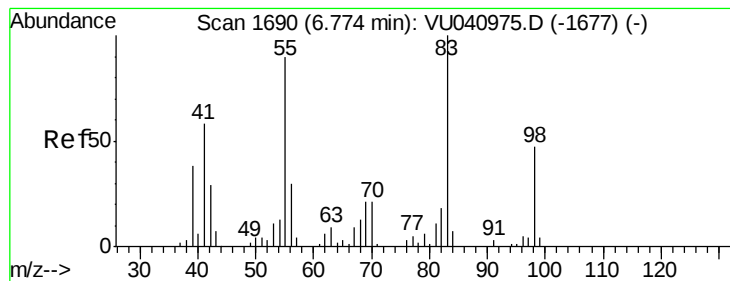
Tot Ion: 62 Resp: 432
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.6 11.4#



#33
 Benzene
 Concen: 0.038 ug/L
 RT: 5.75 min Scan# 1370
 Delta R.T. -0.04 min
 Lab File: VU040986.D
 Acq: 27 Oct 2020 16:15

Tgt Ion: 78 Resp: 668





#35

Methylcyclohexane

Concen: 0.948 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040986.D

Acq: 27 Oct 2020 16:15

Instrument :

MSVOA_U

ClientSampleId :

C0AQ0DL

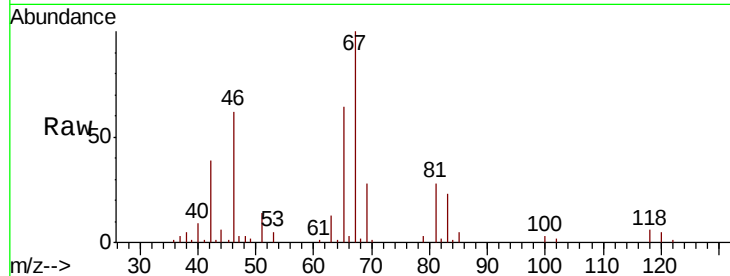
Tot Ion: 83 Resp: 6298

Ion Ratio Lower Upper

83 100

55 0.0 72.0 108.0#

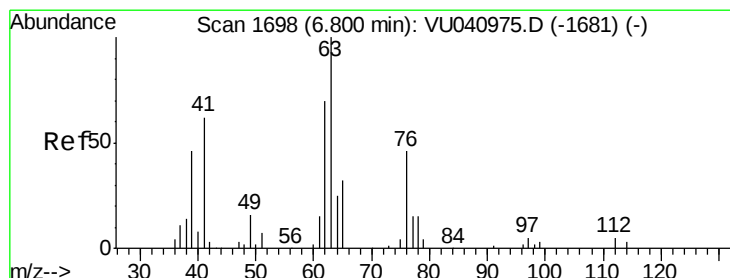
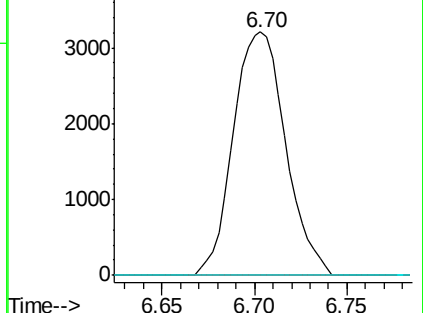
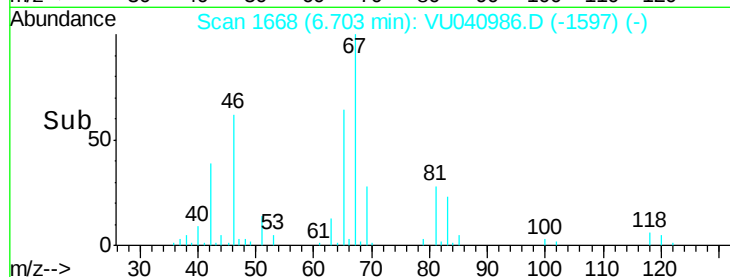
98 0.0 36.6 55.0#



Abundance Ion 83.15 (82.85 to 83.85): VU040986.D (-1668) (-)

Ion 55.10 (54.80 to 55.80): VU040986.D (-1668) (-)

Ion 98.15 (97.85 to 98.85): VU040986.D (-1668) (-)



#37

1,2-Dichloropropane

Concen: 0.670 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU040986.D

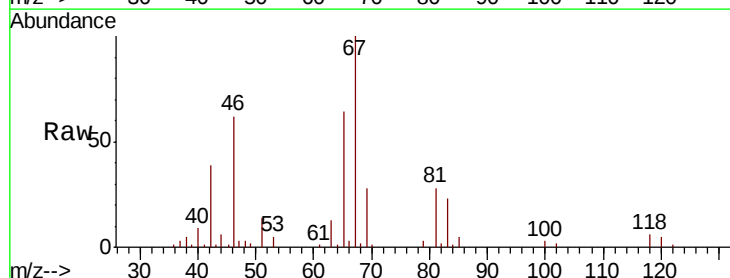
Acq: 27 Oct 2020 16:15

Tgt Ion: 63 Resp: 3173

Ion Ratio Lower Upper

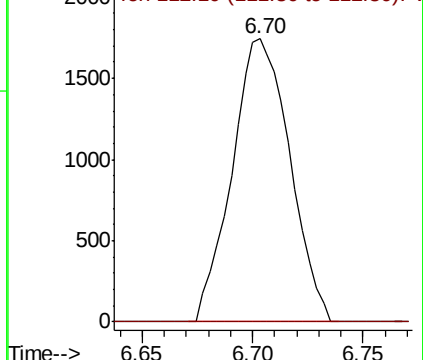
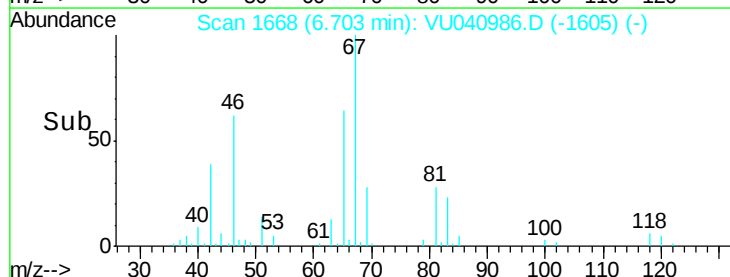
63 100

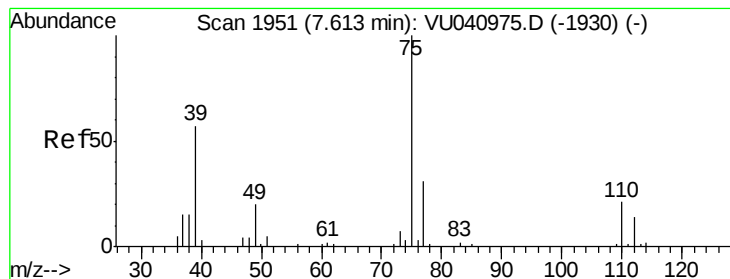
112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VU040986.D (-1668) (-)

Ion 112.10 (111.80 to 112.80): VU040986.D (-1668) (-)





#39

cis-1,3-Dichloropropene

Concen: 0.092 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU040986.D

Acq: 27 Oct 2020 16:15

Instrument :

MSVOA_U

ClientSampleId :

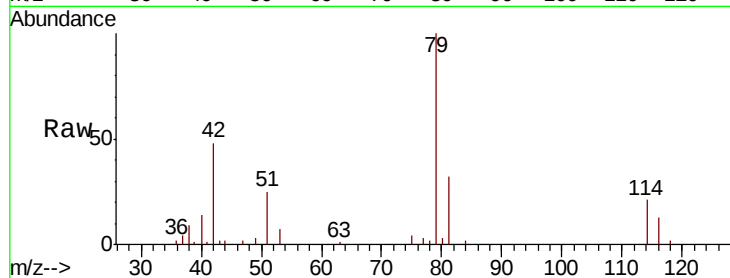
C0AQ0DL

Tot Ion: 75 Resp: 597

Ion Ratio Lower Upper

75 100

77 66.8 22.7 42.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

7.57

400

300

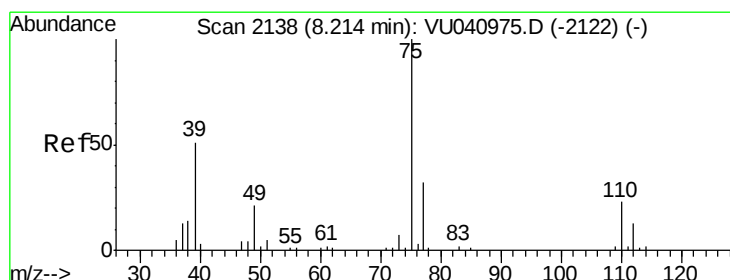
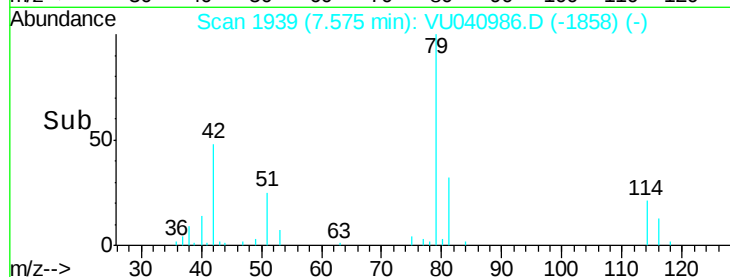
200

100

0

7.54 7.56 7.58 7.60

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.066 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040986.D

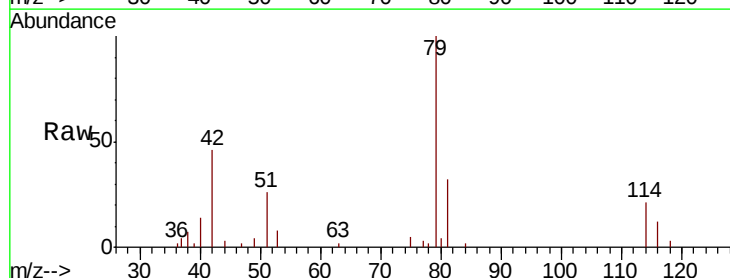
Acq: 27 Oct 2020 16:15

Tgt Ion: 75 Resp: 405

Ion Ratio Lower Upper

75 100

77 57.3 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

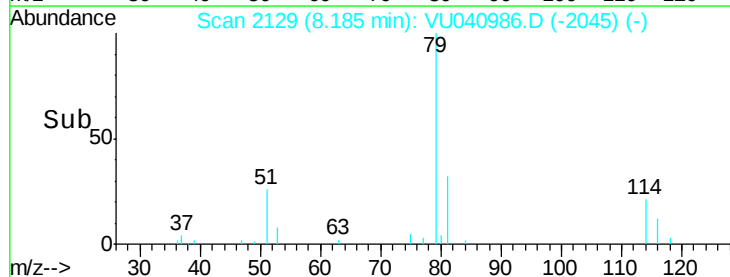
200

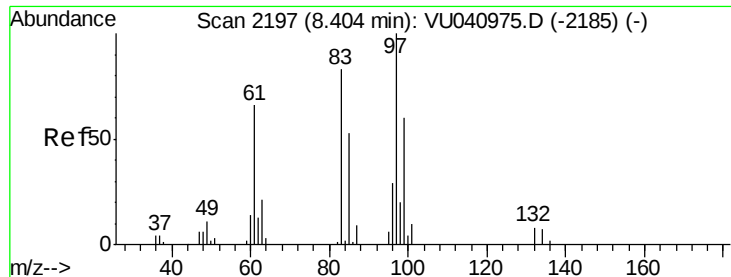
100

0

8.16 8.18 8.20 8.22

Time-->

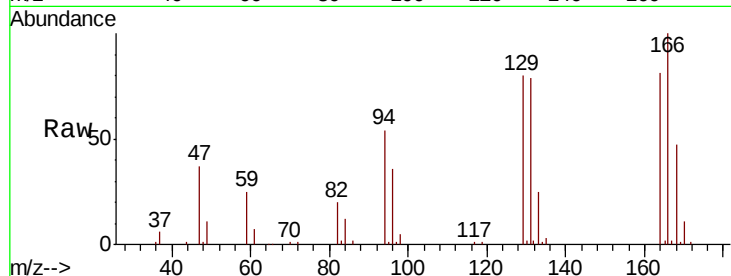




#45
 1,1,2-Trichloroethane
 Concen: 0.066 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.15 min
 Lab File: VU040986.D
 Acq: 27 Oct 2020 16:15

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AQ0DL

Tot Ion:	97	Resp:	233
Ion	Ratio	Lower	Upper
97	100		
99	0.0	45.8	85.2#
83	242.1	67.9	126.1#
85	0.0	42.8	79.6#



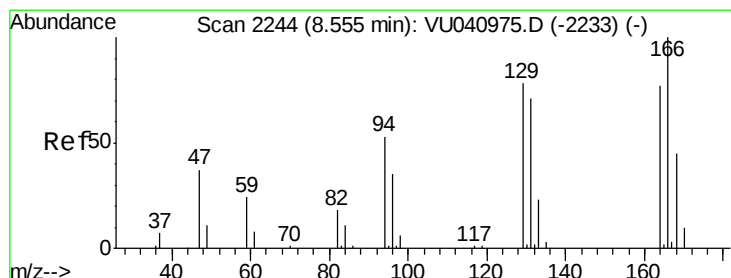
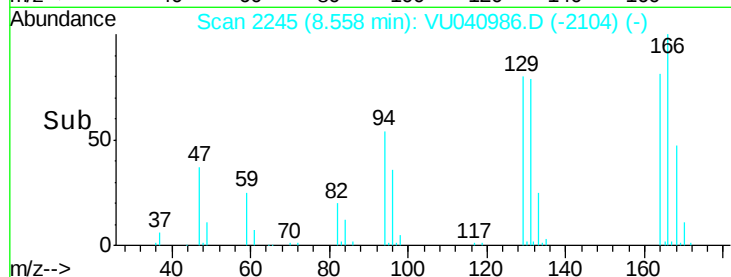
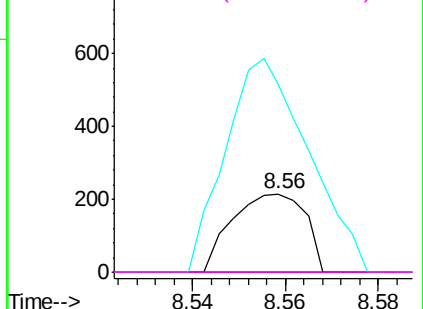
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

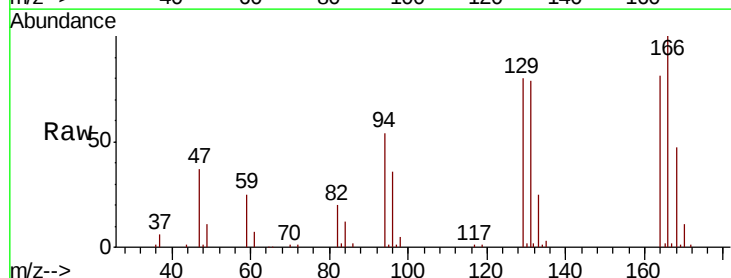
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 9.562 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU040986.D
 Acq: 27 Oct 2020 16:15

Tgt Ion:	164	Resp:	31309
Ion	Ratio	Lower	Upper
164	100		
129	98.5	70.3	130.7
131	97.3	70.8	131.4
166	123.6	92.0	170.8



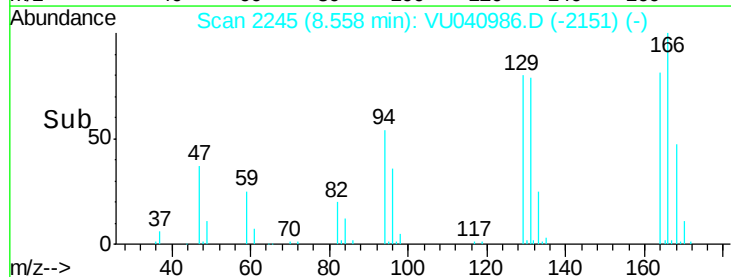
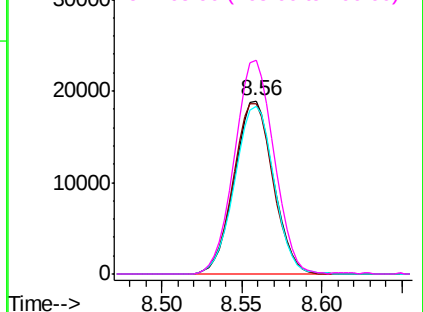
Abundance

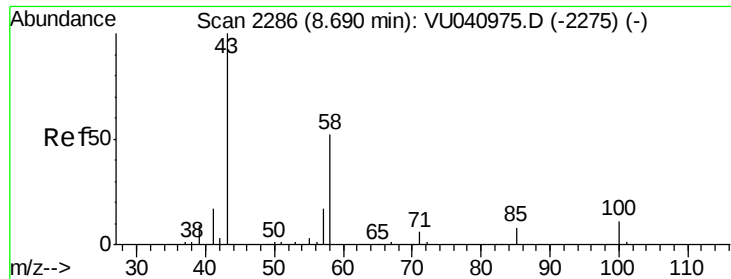
Ion 163.90 (163.60 to 164.60): V

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

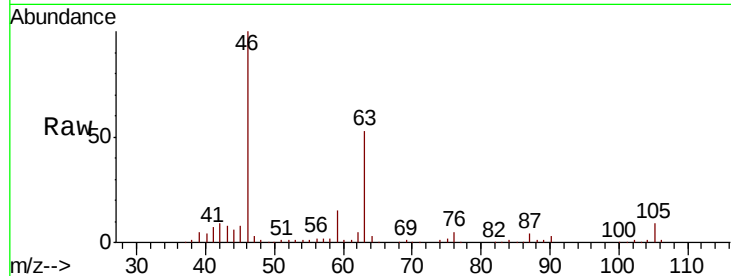




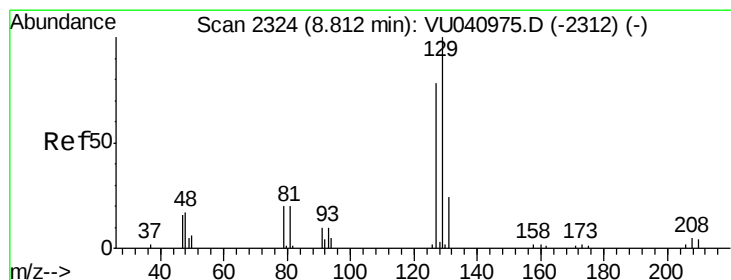
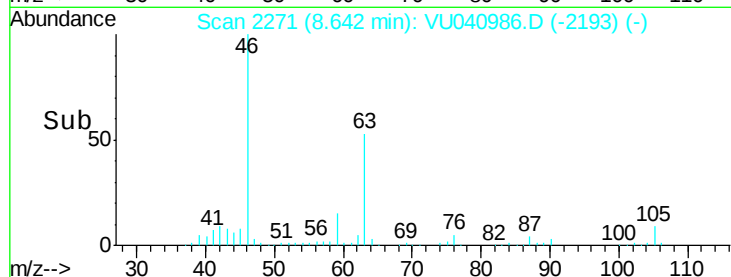
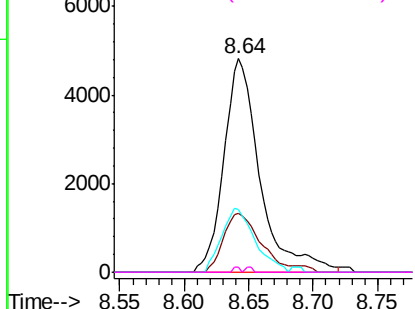
#48
2-Hexanone
Concen: 3.294 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU040986.D
Acq: 27 Oct 2020 16:15

Instrument :
MSVOA_U
ClientSampleId :
C0AQ0DL

Tot Ion: 43 Resp: 9363
Ion Ratio Lower Upper
43 100
58 29.5 41.4 62.2#
57 27.3 14.6 21.8#
100 0.5 8.3 12.5#

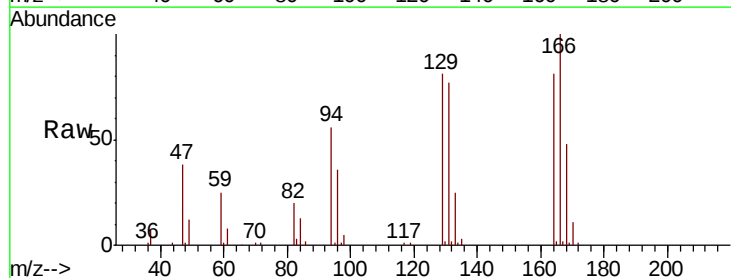


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

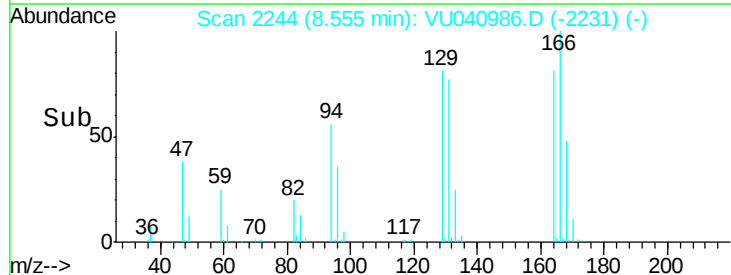
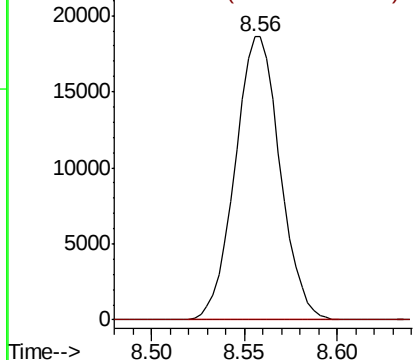


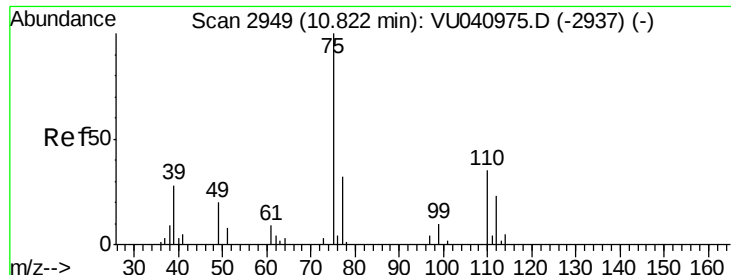
#49
Dibromochloromethane
Concen: 7.659 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.26 min
Lab File: VU040986.D
Acq: 27 Oct 2020 16:15

Tgt Ion: 129 Resp: 31352
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





#59

1,2,3-Trichloropropane

Concen: 0.974 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040986.D

Acq: 27 Oct 2020 16:15

Instrument :

MSVOA_U

ClientSampleId :

C0AQ0DL

Tot Ion: 75 Resp: 3437

Ion Ratio Lower Upper

75 100

77 33.1 25.7 38.5

