

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010421\
 Data File : VU041846.D
 Acq On : 04 Jan 2021 16:14
 Operator : SY/MD
 Sample : L5254-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 05 01:02:35 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jan 05 01:00:34 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	172651	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	164008	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	72567	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	52509	3.89	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.80%
7) Chloroethane-d5	1.92	69	52388	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.20%
11) 1,1-Dichloroethene-d2	2.57	63	81813	3.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.80%
20) 2-Butanone-d5	4.65	46	175550	45.28	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.56%
24) Chloroform-d	5.08	84	110137	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	5.71	65	61361	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
32) Benzene-d6	5.74	84	214829	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
36) 1,2-Dichloropropane-d6	6.70	67	69019	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.80%
41) Toluene-d8	7.90	98	168577	3.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.60%
43) trans-1,3-Dichloropropene-	8.18	79	24845	3.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.00%
46) 2-Hexanone-d5	8.64	63	133773	36.96	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	73.92%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	55991	4.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	65819	5.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

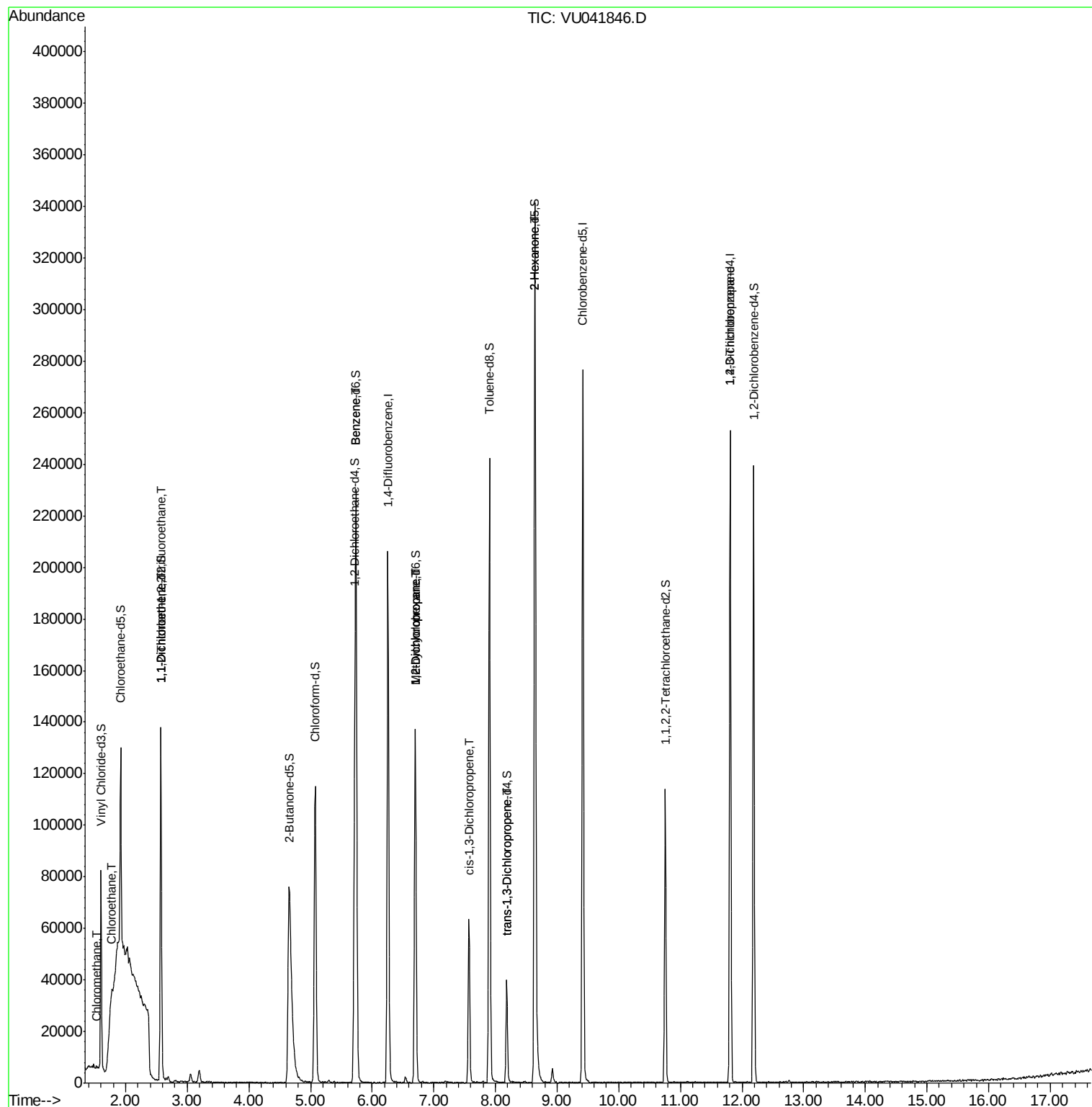
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.52	50	784	0.055	ug/L	98
8) Chloroethane	1.78	64	84277	7.907	ug/L #	55
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	690	0.058	ug/L #	22
12) 1,1-Dichloroethene	2.57	96	670	0.057	ug/L #	1
33) Benzene	5.74	78	1713	0.033	ug/L	100
35) Methylcyclohexane	6.70	83	15696	0.737	ug/L #	19
37) 1,2-Dichloropropane	6.69	63	7110	0.530	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1369	0.069	ug/L #	41
44) trans-1,3-Dichloropropene	8.18	75	909	0.051	ug/L #	76
48) 2-Hexanone	8.64	43	16016	2.305	ug/L #	66
59) 1,2,3-Trichloropropane	11.81	75	8183	0.812	ug/L	92

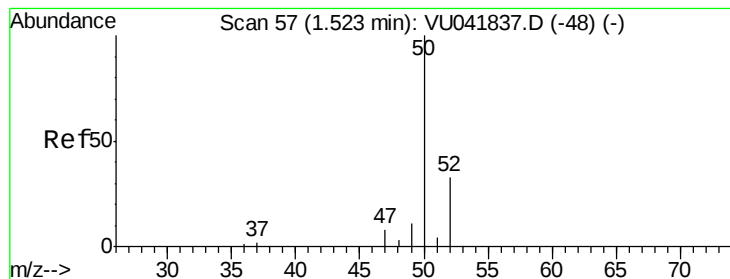
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jan 05 01:00:34 2021
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.055 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041846.D

Acq: 04 Jan 2021 16:14

Instrument :

MSVOA_U

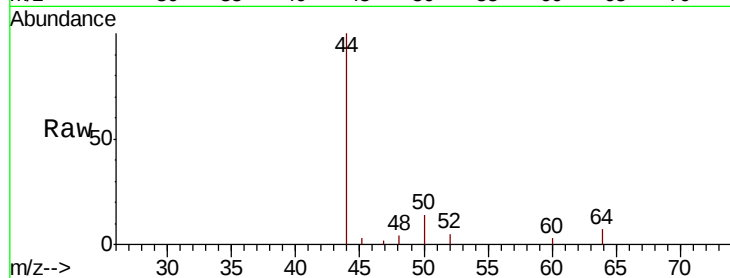
ClientSampleId :

Tot Ion: 50 Resp: 784

Ion Ratio Lower Upper

50 100

52 35.9 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU041837.D (-48) (-)

Ion 52.05 (51.75 to 52.75): VU041837.D (-48) (-)

1.52

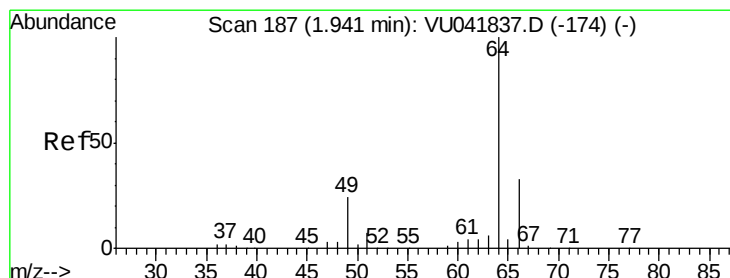
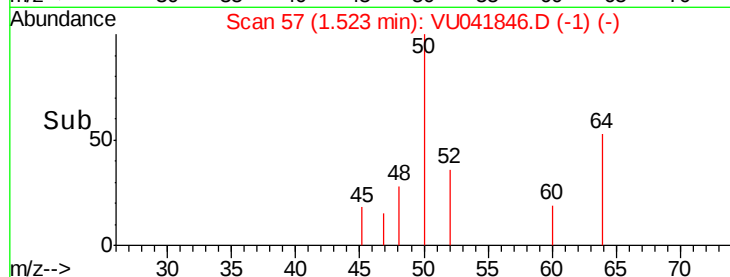
600

400

200

0

Time-->



#8

Chloroethane

Concen: 7.907 ug/L

RT: 1.78 min Scan# 137

Delta R.T. -0.16 min

Lab File: VU041846.D

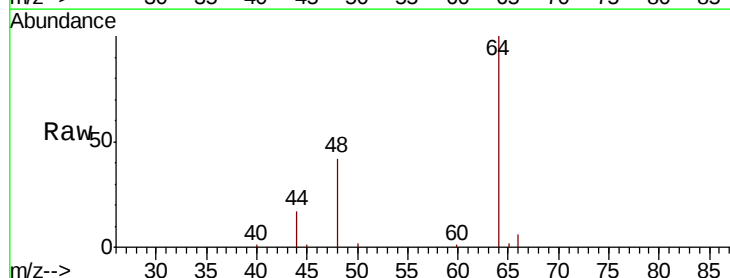
Acq: 04 Jan 2021 16:14

Tgt Ion: 64 Resp: 84277

Ion Ratio Lower Upper

64 100

66 6.1 21.6 40.0#



Abundance Ion 64.10 (63.80 to 64.80): VU041837.D (-174) (-)

Ion 66.05 (65.75 to 66.75): VU041837.D (-174) (-)

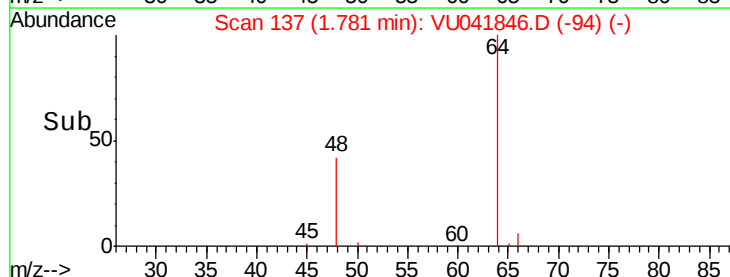
30000

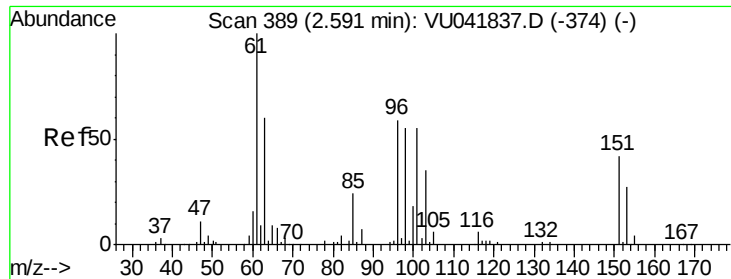
20000

10000

0

Time-->





#10

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

Concen: 0.058 ug/L

RT: 2.57 min Scan# 383

Delta R.T. -0.02 min

Lab File: VU041846.D

Acq: 04 Jan 2021 16:14

Instrument :

MSVOA_U

ClientSampleId :

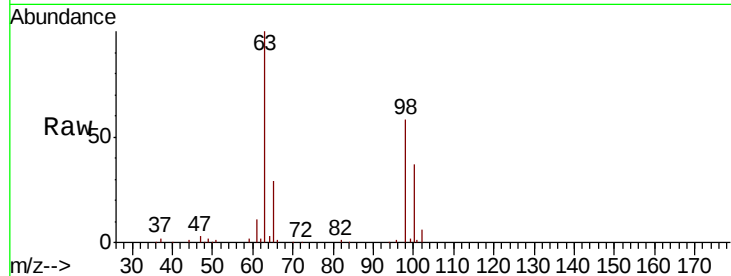
Tot Ion:101 Resp: 690

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): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

2.57

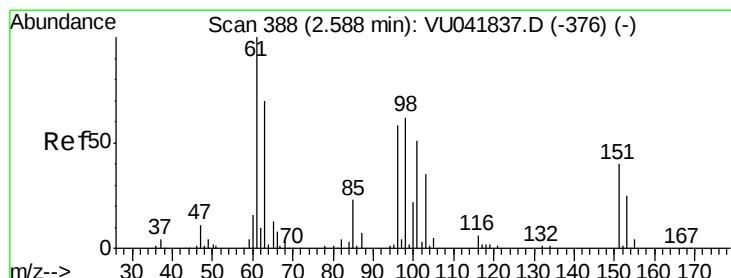
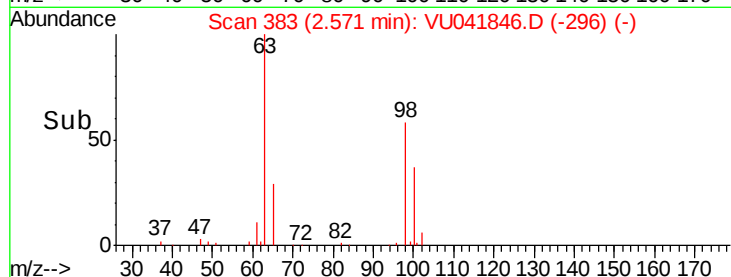
400

200

0

2.54 2.56 2.58 2.60

Time-->



#12

1,1-Dichloroethene

Concen: 0.057 ug/L

RT: 2.57 min Scan# 383

Delta R.T. -0.02 min

Lab File: VU041846.D

Acq: 04 Jan 2021 16:14

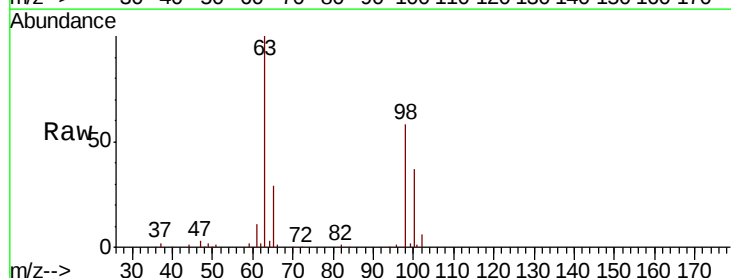
Tgt Ion: 96 Resp: 670

Ion Ratio Lower Upper

96 100

61 1210.0 123.8 230.0#

63 10829.1 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

60000

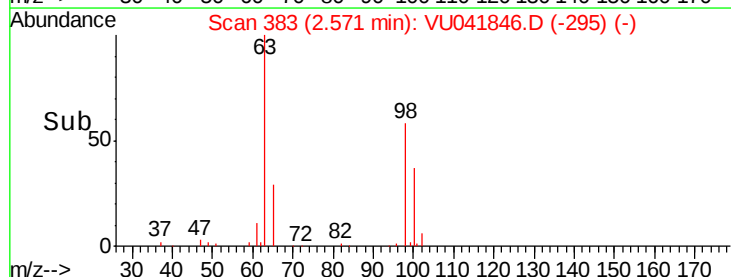
40000

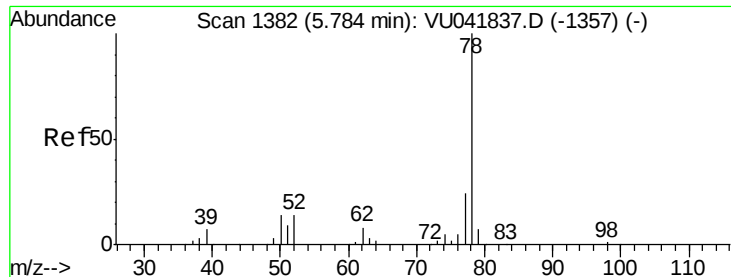
20000

0

2.54 2.56 2.58 2.60

Time-->

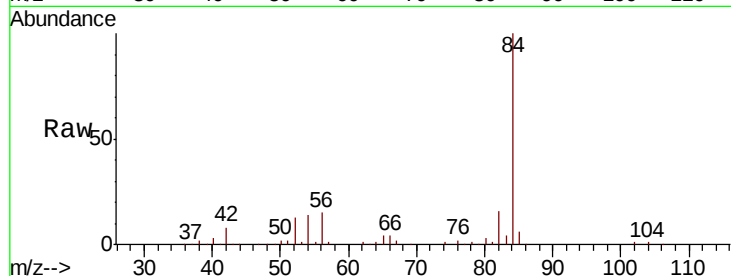




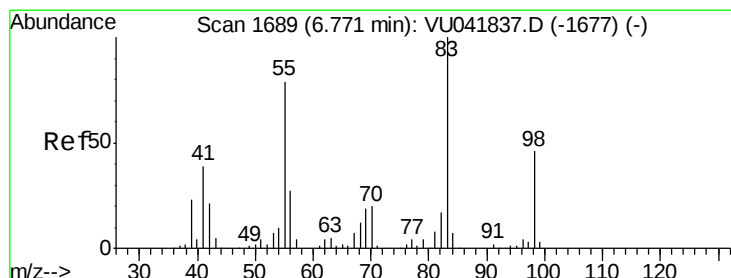
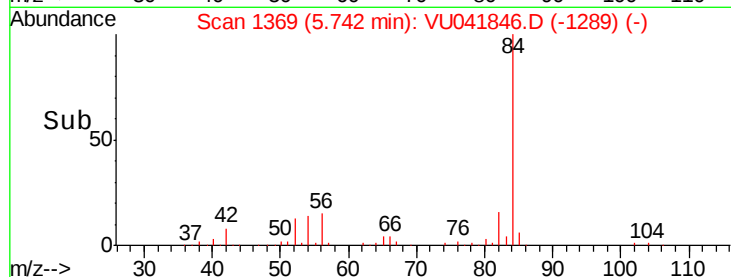
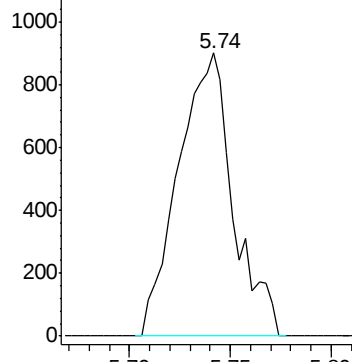
#33
Benzene
Concen: 0.033 ug/L
RT: 5.74 min Scan# 1369
Delta R.T. -0.04 min
Lab File: VU041846.D
Acq: 04 Jan 2021 16:14

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 78 Resp: 1713

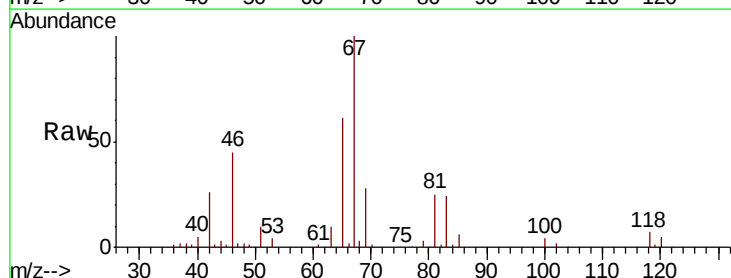


Abundance Ion 78.10 (77.80 to 78.80): VU0



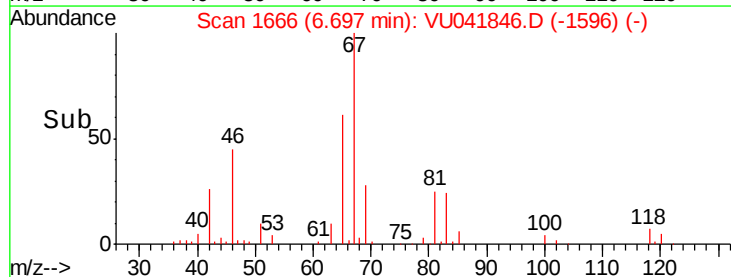
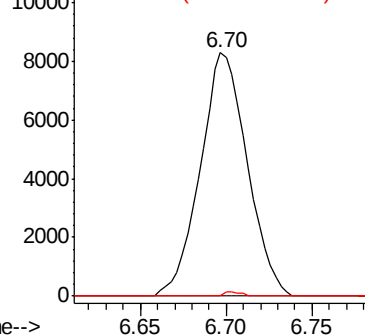
#35
Methylcyclohexane
Concen: 0.737 ug/L
RT: 6.70 min Scan# 1666
Delta R.T. -0.07 min
Lab File: VU041846.D
Acq: 04 Jan 2021 16:14

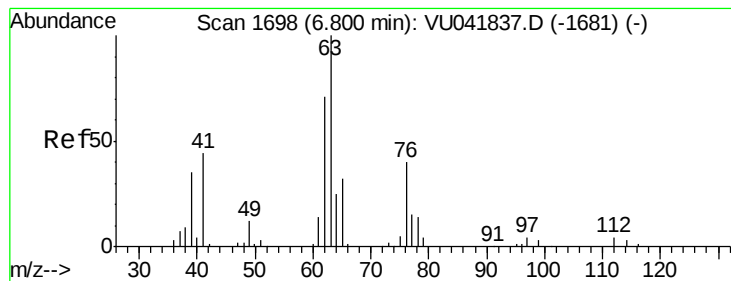
Tgt Ion: 83 Resp: 15696
Ion Ratio Lower Upper
83 100
55 0.0 61.2 91.8#
98 0.6 36.6 54.8#



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: 0.530 ug/L

RT: 6.69 min Scan# 1665

Delta R.T. -0.11 min

Lab File: VU041846.D

Acq: 04 Jan 2021 16:14

Instrument :

MSVOA_U

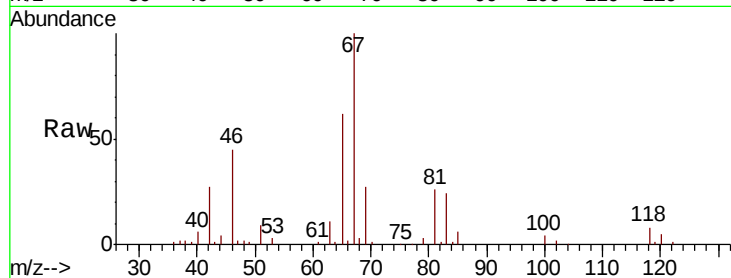
ClientSampleId :

Tot Ion: 63 Resp: 7110

Ion Ratio Lower Upper

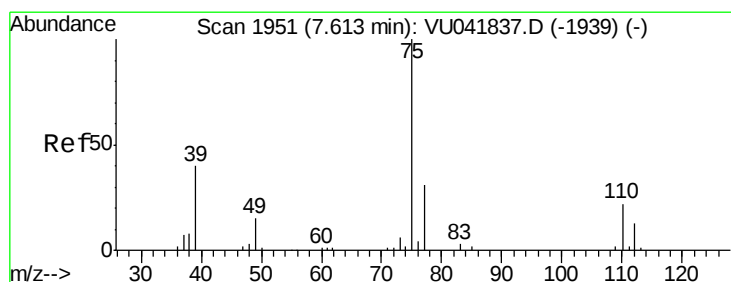
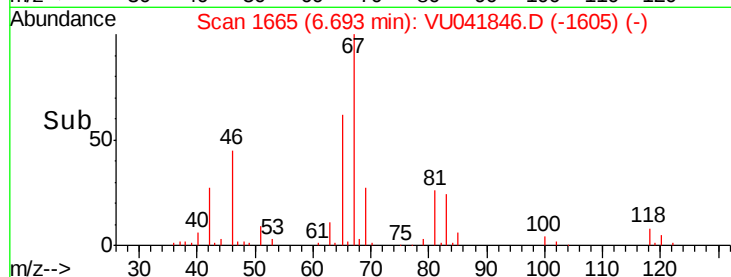
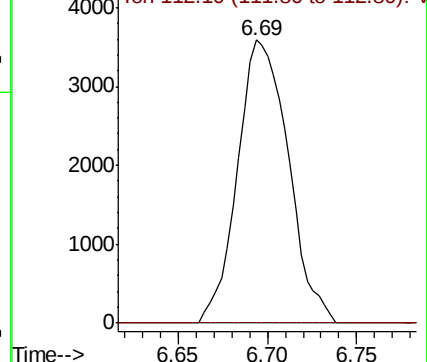
63 100

112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU041837.D (-1681) (-)

Ion 112.10 (111.80 to 112.80): VU041837.D (-1681) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.069 ug/L

RT: 7.57 min Scan# 1938

Delta R.T. -0.04 min

Lab File: VU041846.D

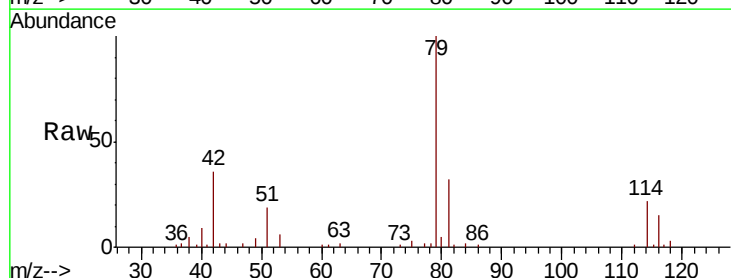
Acq: 04 Jan 2021 16:14

Tgt Ion: 75 Resp: 1369

Ion Ratio Lower Upper

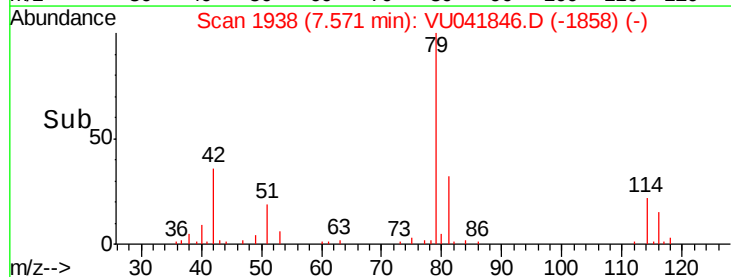
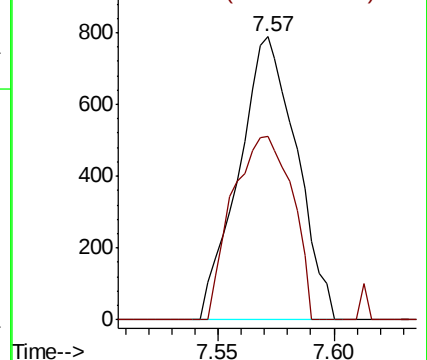
75 100

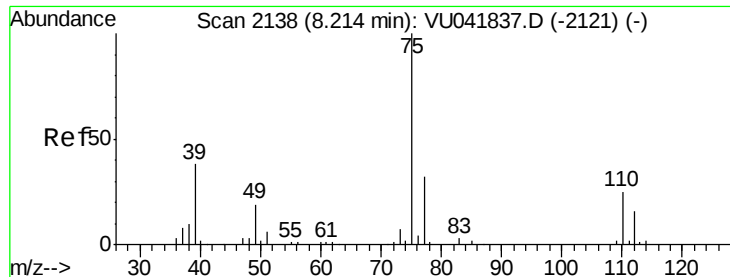
77 64.7 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU041837.D (-1939) (-)

Ion 77.05 (76.75 to 77.75): VU041837.D (-1939) (-)

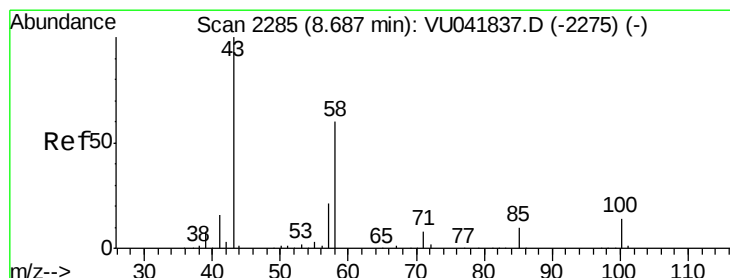
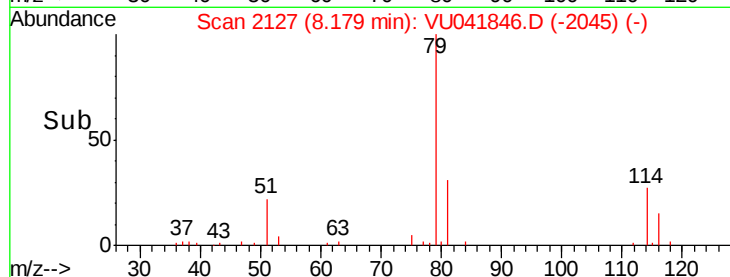
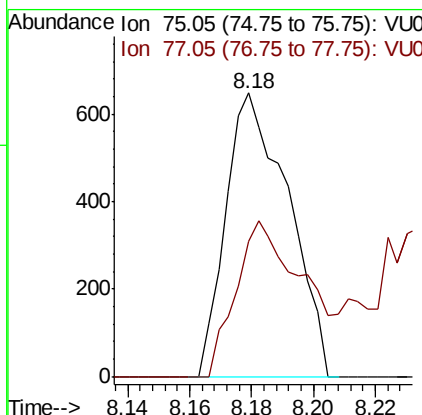
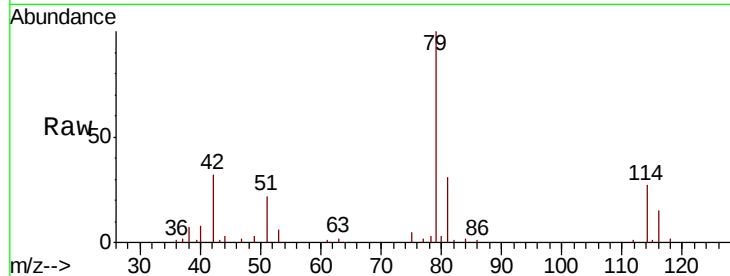




#44
trans-1,3-Dichloropropene
Concen: 0.051 ug/L
RT: 8.18 min Scan# 2127
Delta R.T. -0.04 min
Lab File: VU041846.D
Acq: 04 Jan 2021 16:14

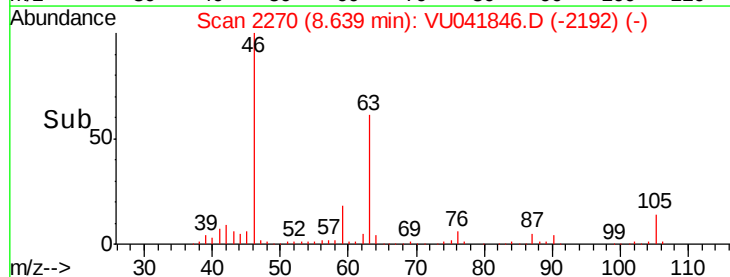
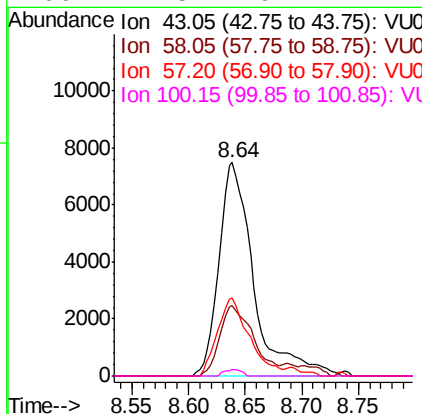
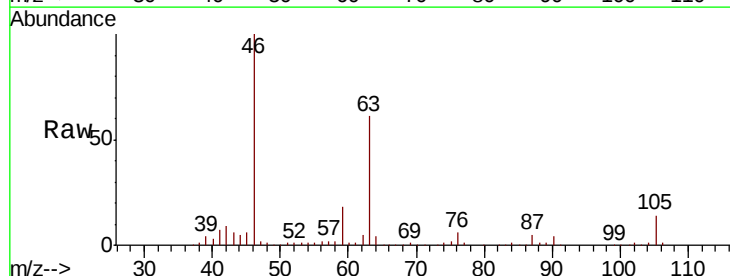
Instrument :
MSVOA_U
ClientSampleId :

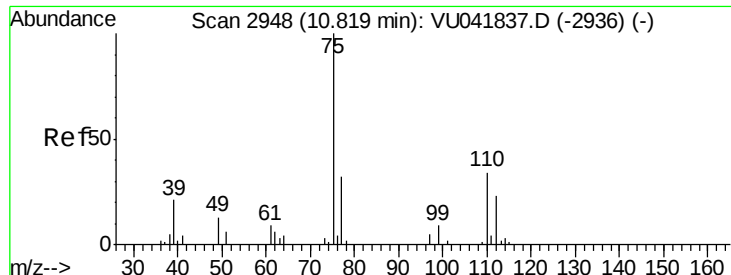
Tot Ion: 75 Resp: 909
Ion Ratio Lower Upper
75 100
77 47.7 23.8 44.2#



#48
2-Hexanone
Concen: 2.305 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041846.D
Acq: 04 Jan 2021 16:14

Tgt Ion: 43 Resp: 16016
Ion Ratio Lower Upper
43 100
58 31.8 47.9 71.9#
57 33.7 16.5 24.7#
100 1.5 9.4 14.2#





#59

1,2,3-Trichloropropane

Concen: 0.812 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041846.D

Acq: 04 Jan 2021 16:14

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 8183

Ion Ratio Lower Upper

75 100

77 28.0 26.2 39.2

