

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070920\
 Data File : VU039403.D
 Acq On : 09 Jul 2020 18:20
 Operator : SY/MD
 Sample : L3231-02DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4284DL

Quant Time: Jul 10 00:22:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 10 00:19:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	101938	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	95275	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	47079	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	25232	4.27	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.40%
7) Chloroethane-d5	1.92	69	53475	8.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	177.00%#
11) 1,1-Dichloroethene-d2	2.57	63	44277	3.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.20%
20) 2-Butanone-d5	4.65	46	159905	59.15	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.30%
24) Chloroform-d	5.08	84	61406	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.72	65	44857	5.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.60%
32) Benzene-d6	5.74	84	131488	5.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.60%
36) 1,2-Dichloropropane-d6	6.70	67	45417	5.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.80%
41) Toluene-d8	7.91	98	113675	5.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.40%
43) trans-1,3-Dichloropropene-	8.19	79	18251	5.13	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.60%
46) 2-Hexanone-d5	8.65	63	123336	58.43	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	116.86%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	43677	5.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	47652	5.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.40%

Target Compounds

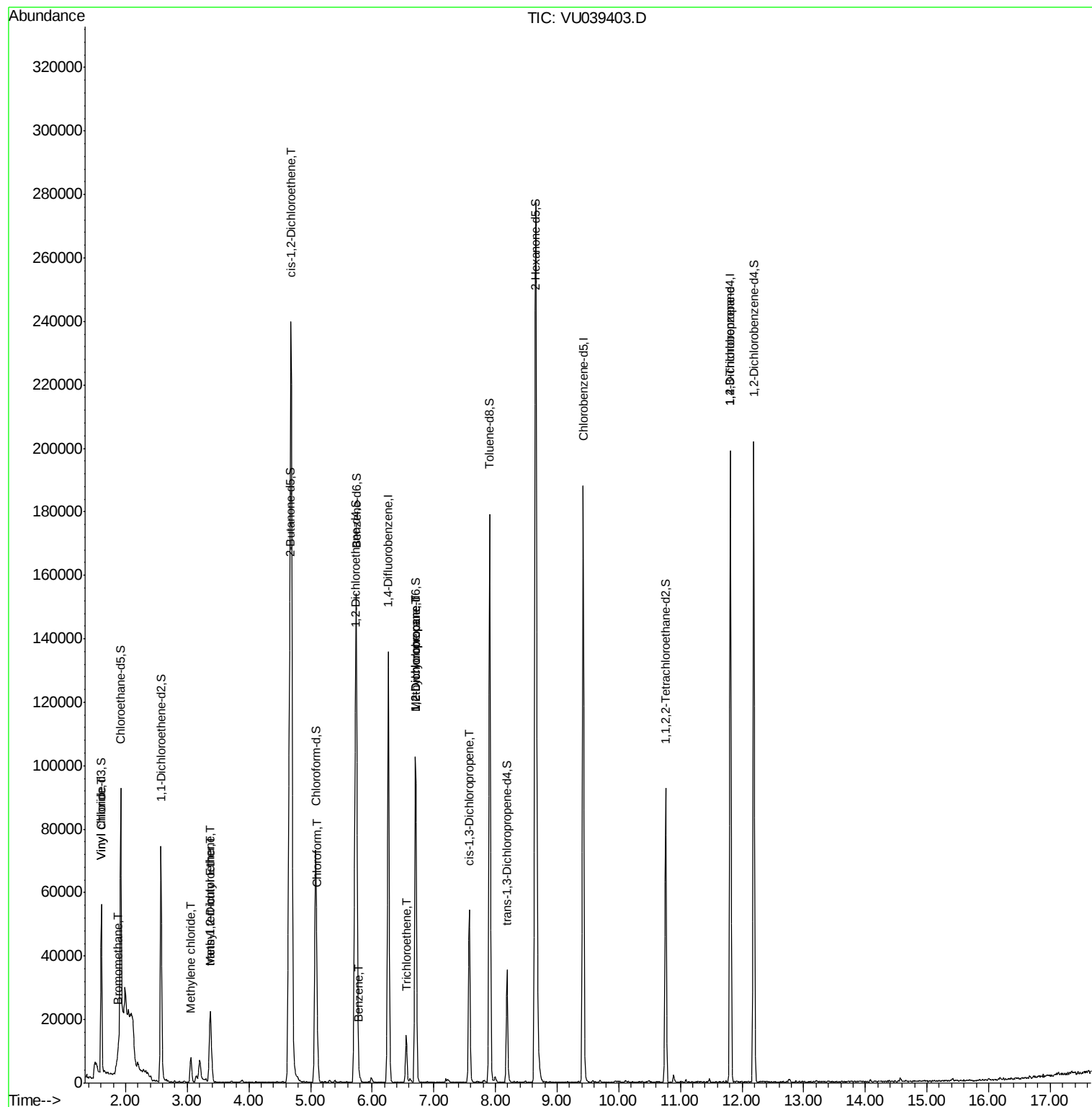
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	8462	1.018	ug/L #	79
6) Bromomethane	1.87	94	482	0.135	ug/L #	63
16) Methylene chloride	3.06	84	3339	0.438	ug/L	84
17) Methyl tert-butyl Ether	3.38	73	13972	0.731	ug/L	95
18) trans-1,2-Dichloroethene	3.37	96	5247	0.782	ug/L	98
22) cis-1,2-Dichloroethene	4.68	96	97377	12.939	ug/L	93
25) Chloroform	5.11	83	10324	0.778	ug/L	99
33) Benzene	5.79	78	2416	0.085	ug/L	100
34) Trichloroethene	6.56	95	4384	0.595	ug/L	93
35) Methylcyclohexane	6.70	83	9931	0.842	ug/L #	18
37) 1,2-Dichloropropane	6.71	63	5473	0.705	ug/L #	91
39) cis-1,3-Dichloropropene	7.57	75	1479	0.126	ug/L #	67
59) 1,2,3-Trichloropropane	11.81	75	7391	1.291	ug/L	89

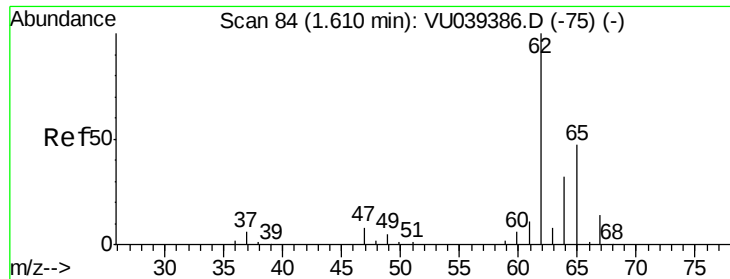
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.018 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039403.D

Acq: 09 Jul 2020 18:20

Instrument :

MSVOA_U

ClientSampleId :

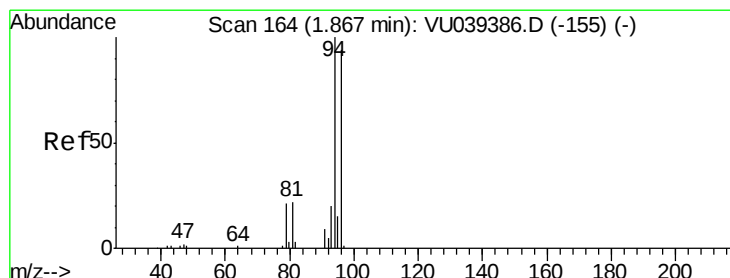
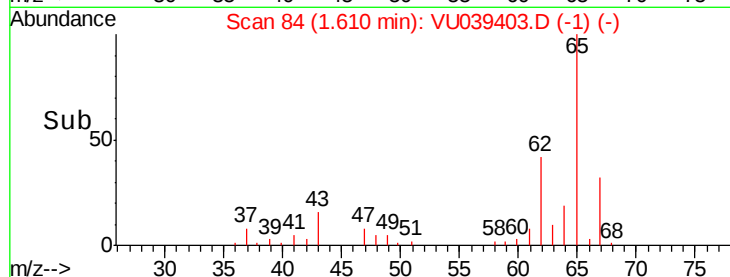
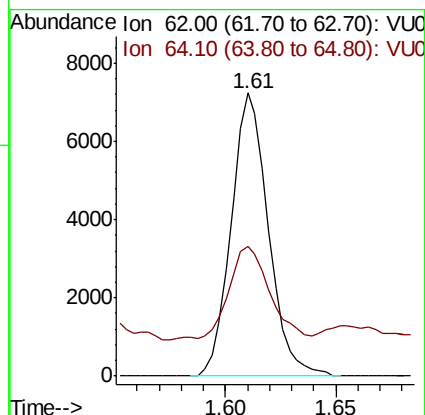
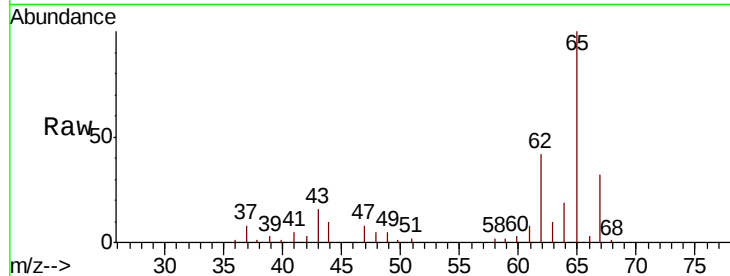
H4284DL

Tot Ion: 62 Resp: 8462

Ion Ratio Lower Upper

62 100

64 46.0 23.7 44.1#



#6

Bromomethane

Concen: 0.135 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU039403.D

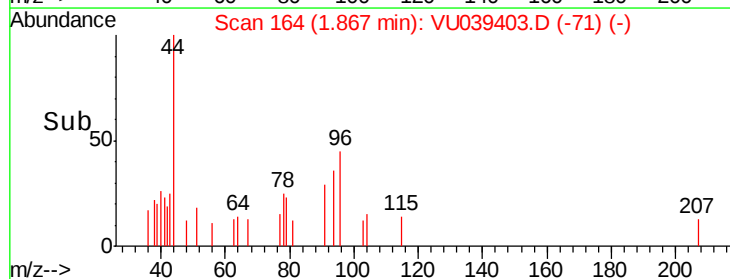
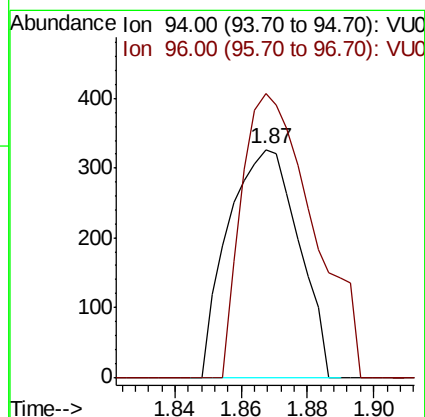
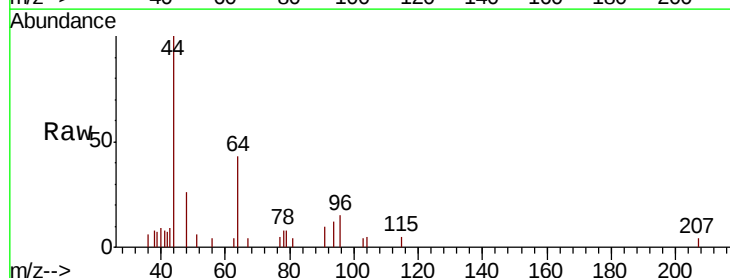
Acq: 09 Jul 2020 18:20

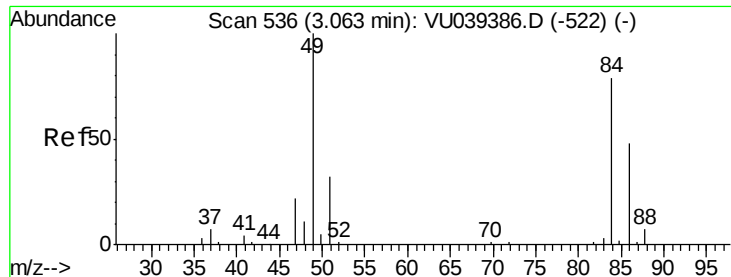
Tgt Ion: 94 Resp: 482

Ion Ratio Lower Upper

94 100

96 124.5 62.7 116.5#

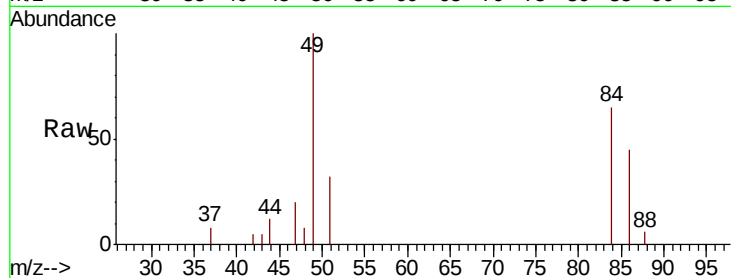




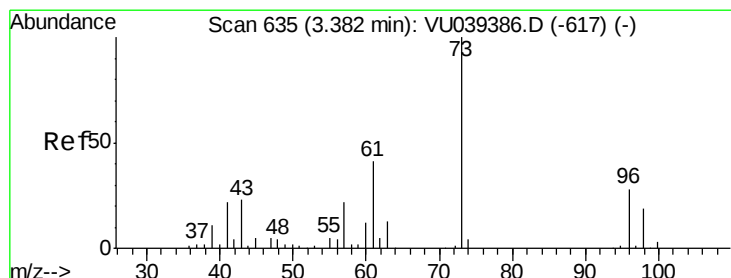
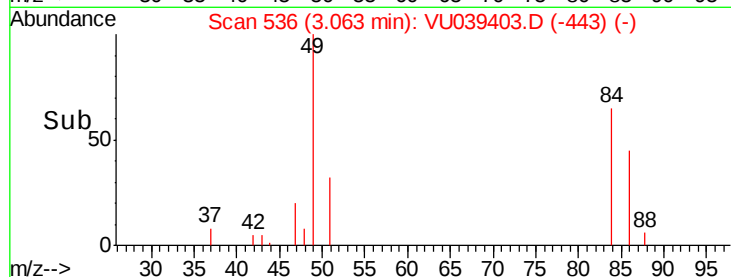
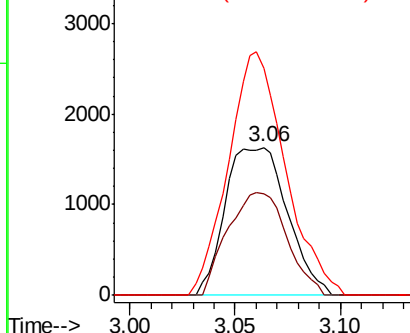
#16
Methylene chloride
Concen: 0.438 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU039403.D
Acq: 09 Jul 2020 18:20

Instrument :
MSVOA_U
ClientSampleId :
H4284DL

Tot Ion: 84 Resp: 3339
Ion Ratio Lower Upper
84 100
86 68.3 43.5 80.9
49 153.3 91.1 169.1

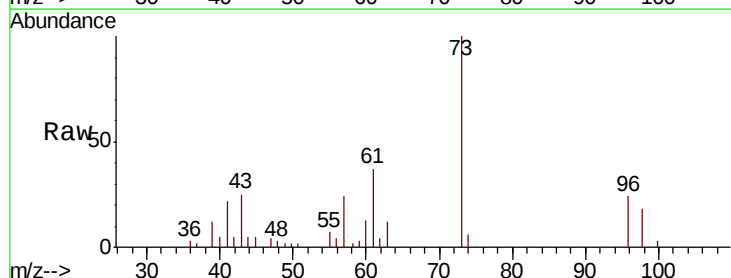


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

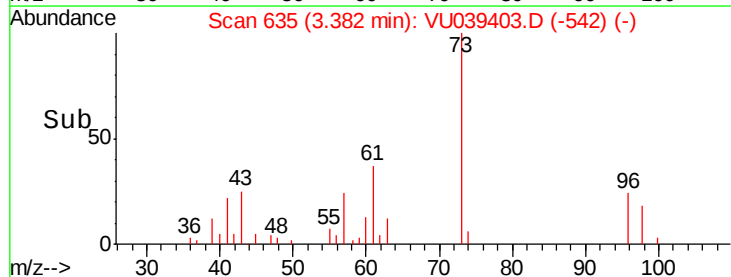
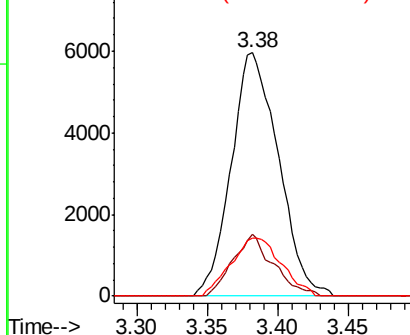


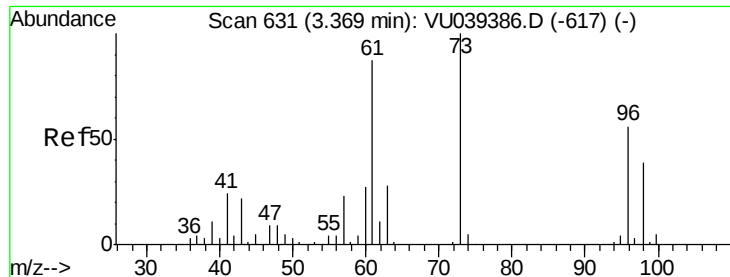
#17
Methyl tert-butyl Ether
Concen: 0.731 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU039403.D
Acq: 09 Jul 2020 18:20

Tgt Ion: 73 Resp: 13972
Ion Ratio Lower Upper
73 100
43 21.9 18.6 28.0
57 25.4 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0





#18

trans-1,2-Dichloroethene

Concen: 0.782 ug/L

RT: 3.37 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU039403.D

Acq: 09 Jul 2020 18:20

Instrument :

MSVOA_U

ClientSampled :

H4284DL

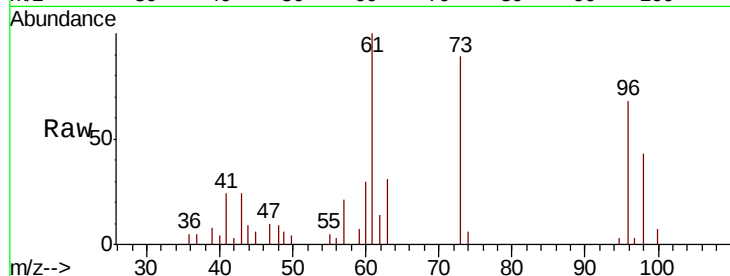
Tot Ion: 96 Resp: 5247

Ion Ratio Lower Upper

96 100

61 147.5 102.1 189.5

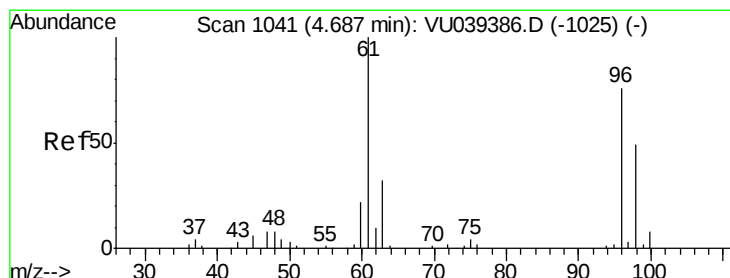
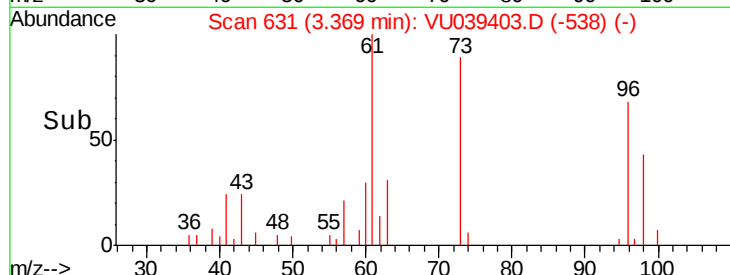
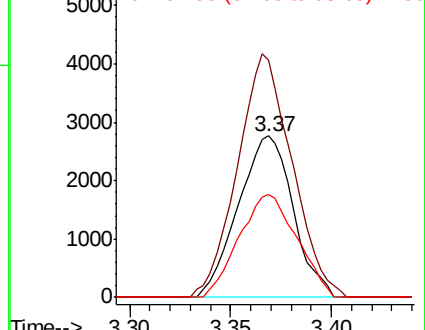
98 63.6 42.5 78.9



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0



#22

cis-1,2-Dichloroethene

Concen: 12.939 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU039403.D

Acq: 09 Jul 2020 18:20

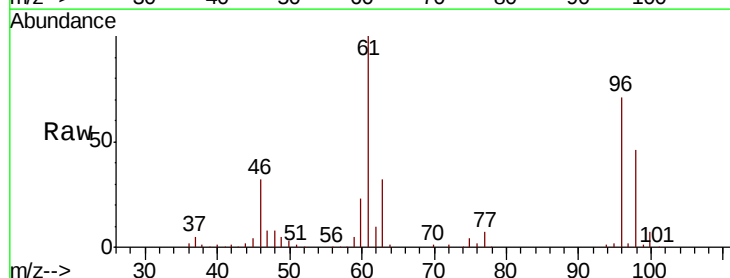
Tgt Ion: 96 Resp: 97377

Ion Ratio Lower Upper

96 100

61 140.5 92.8 172.4

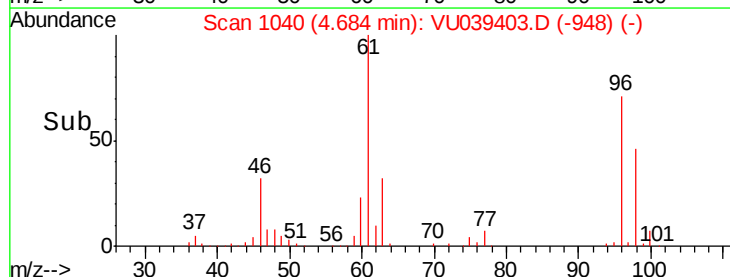
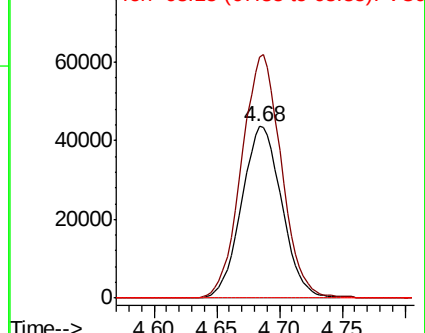
68 0.0 0.0 0.0

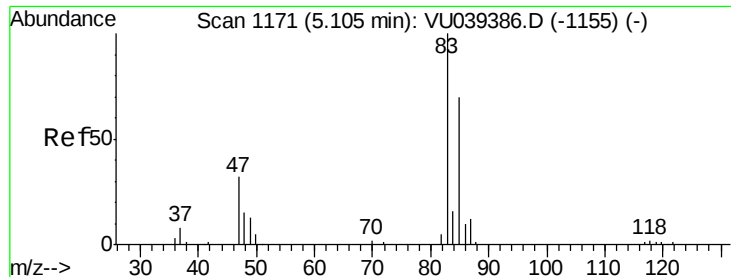


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0

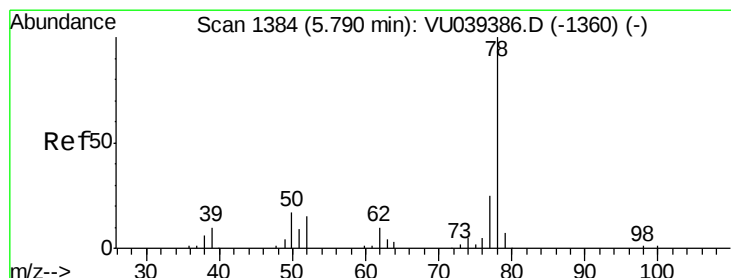
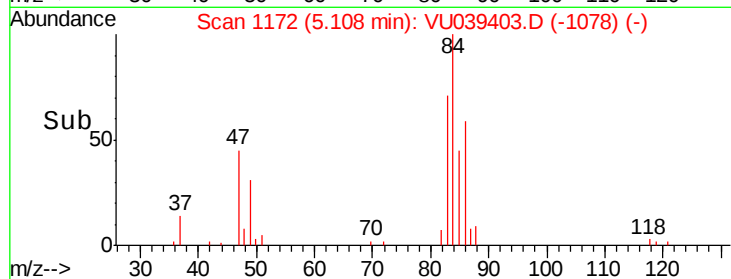
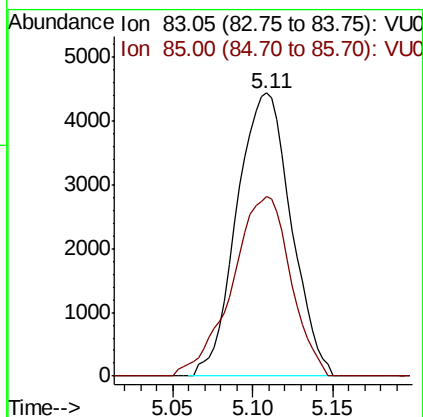
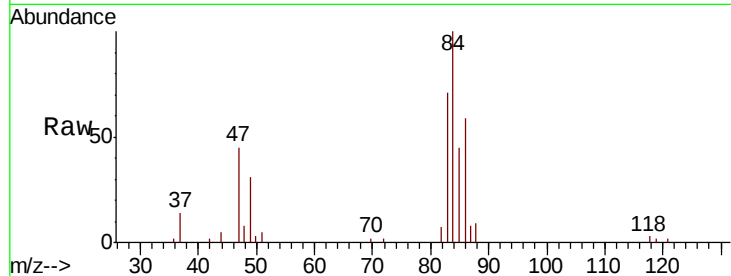




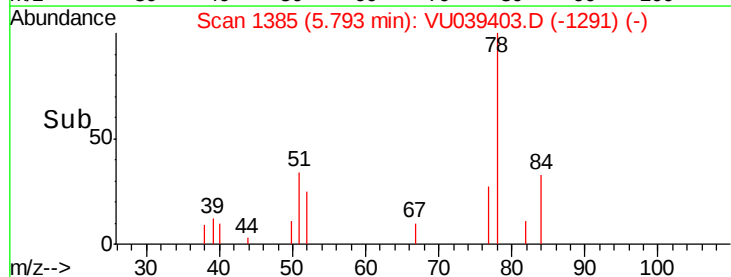
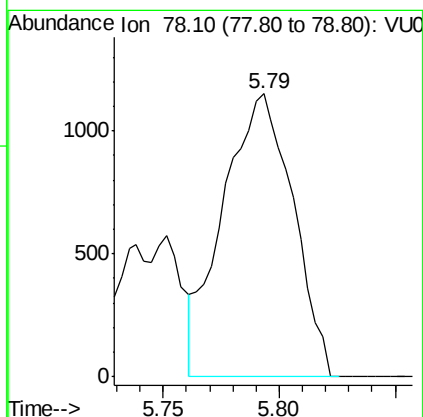
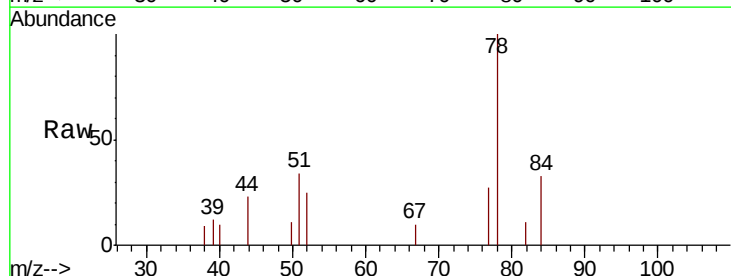
#25
Chloroform
Concen: 0.778 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU039403.D
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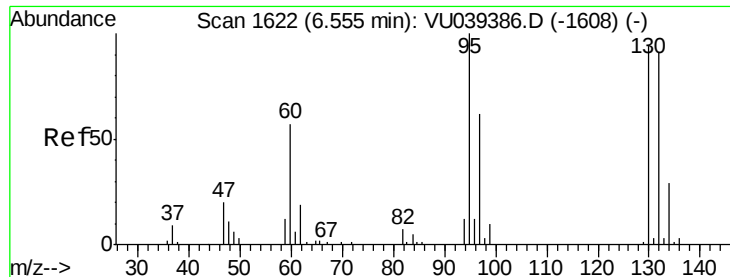
Instrument :
MSVOA_U
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H4284DL

Tot Ion: 83 Resp: 10324
Ion Ratio Lower Upper
83 100
85 63.3 44.9 83.5



#33
Benzene
Concen: 0.085 ug/L
RT: 5.79 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VU039403.D
Acq: 09 Jul 2020 18:20
Tgt Ion: 78 Resp: 2416





#34

Trichloroethene

Concen: 0.595 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039403.D

Acq: 09 Jul 2020 18:20

Instrument :

MSVOA_U

ClientSampleId :

H4284DL

Tot Ion: 95 Resp: 4384

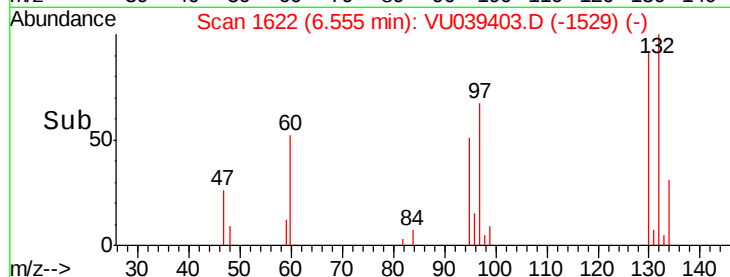
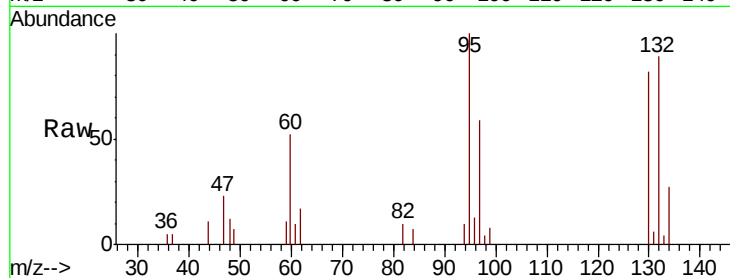
Ion Ratio Lower Upper

95 100

97 59.2 46.3 85.9

132 88.6 64.0 118.8

130 81.9 64.3 119.5



Abundance Ion 95.00 (94.70 to 95.70): VU039403.D (-1529) (-)

Ion 96.95 (96.65 to 97.65): VU039403.D (-1529) (-)

Ion 131.95 (131.65 to 132.65): VU039403.D (-1529) (-)

Ion 129.95 (129.65 to 130.65): VU039403.D (-1529) (-)

Time-->

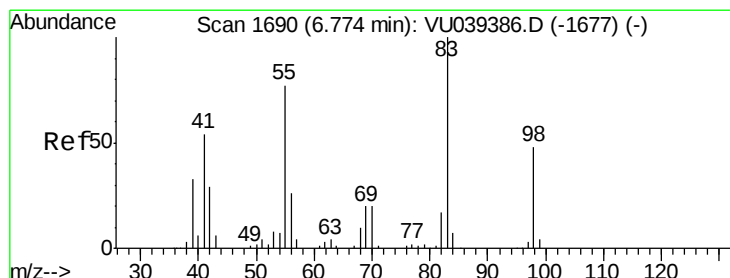
6.56

2000

1000

0

6.50 6.55 6.60



#35

Methylcyclohexane

Concen: 0.842 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU039403.D

Acq: 09 Jul 2020 18:20

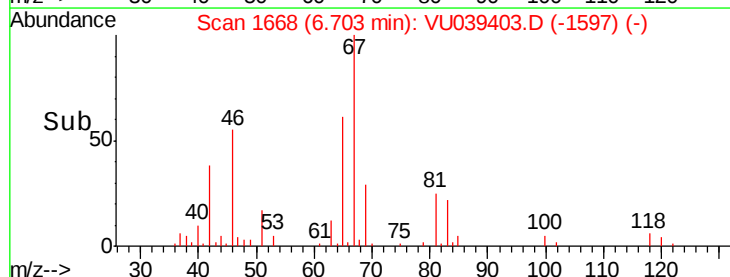
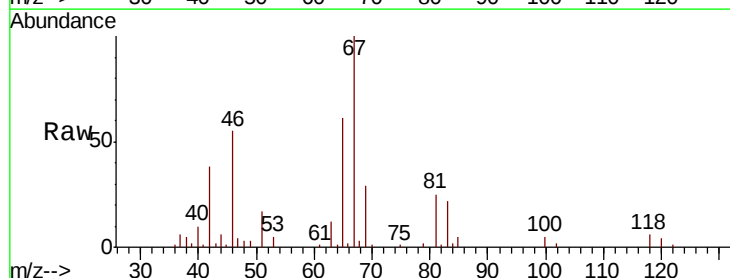
Tgt Ion: 83 Resp: 9931

Ion Ratio Lower Upper

83 100

55 0.5 62.1 93.1#

98 0.0 35.9 53.9#



Abundance Ion 83.15 (82.85 to 83.85): VU039403.D (-1597) (-)

Ion 55.10 (54.80 to 55.80): VU039403.D (-1597) (-)

Ion 98.15 (97.85 to 98.85): VU039403.D (-1597) (-)

Time-->

6.70

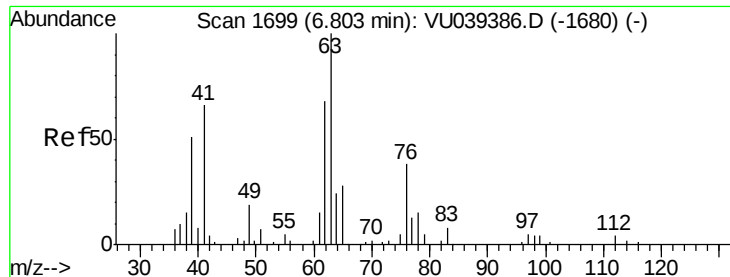
6000

4000

2000

0

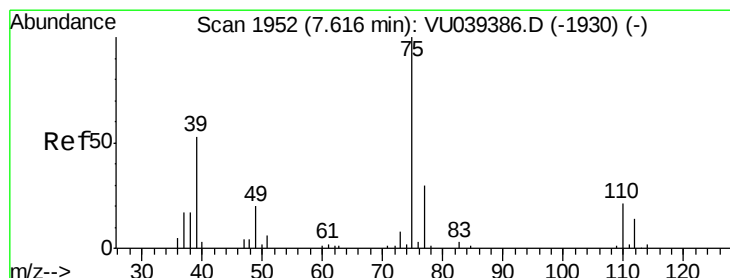
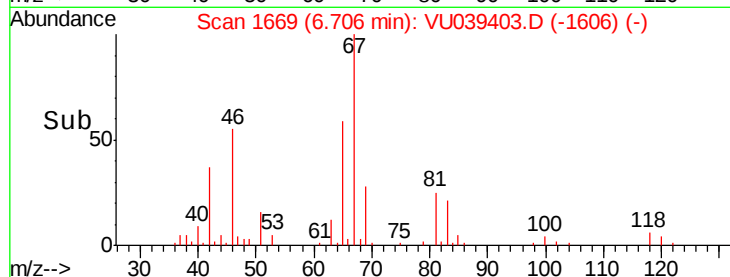
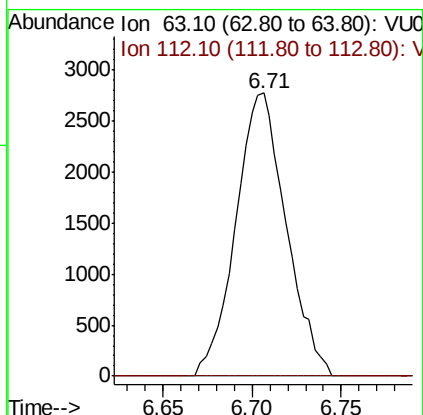
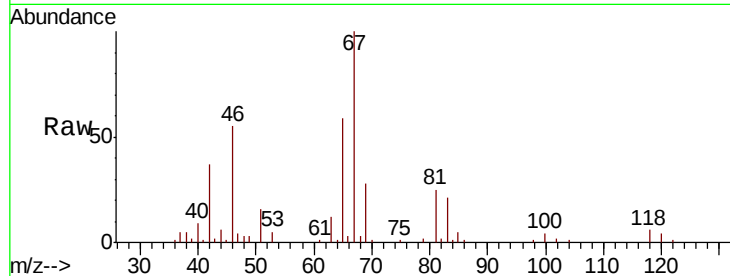
6.65 6.70 6.75



#37
 1,2-Dichloropropane
 Concen: 0.705 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.10 min
 Lab File: VU039403.D
 Acq: 09 Jul 2020 18:20

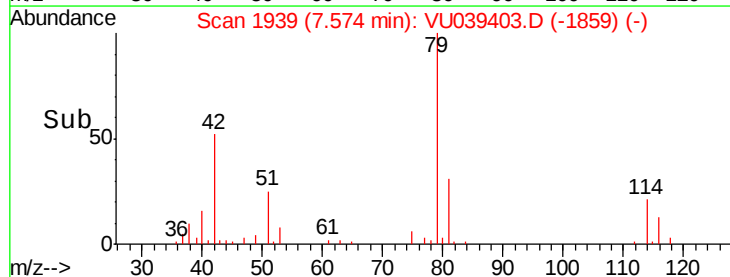
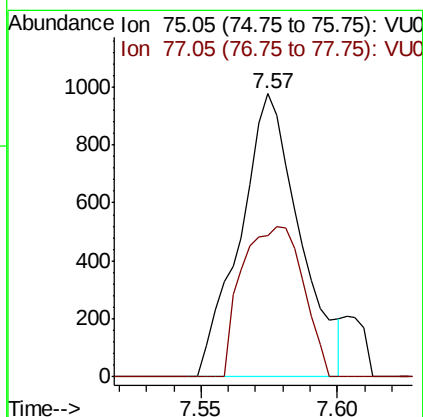
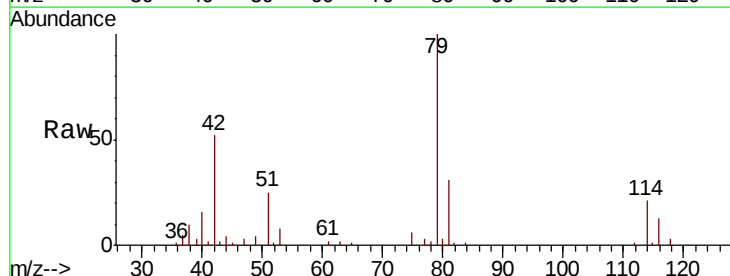
Instrument :
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 H4284DL

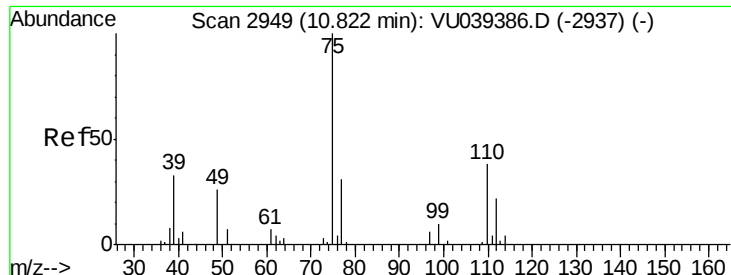
Tot Ion: 63 Resp: 5473
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.5 3.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.126 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU039403.D
 Acq: 09 Jul 2020 18:20

Tgt Ion: 75 Resp: 1479
 Ion Ratio Lower Upper
 75 100
 77 50.1 22.3 41.3#





#59

1,2,3-Trichloropropane

Concen: 1.291 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039403.D

Acq: 09 Jul 2020 18:20

Instrument :

MSVOA_U

ClientSampleId :

H4284DL

Tot Ion: 75 Resp: 7391

Ion Ratio Lower Upper

75 100

77 39.7 26.8 40.2

