

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U062320\
 Data File : VU039043.D
 Acq On : 23 Jun 2020 16:35
 Operator : SY/MD
 Sample : L3073-06DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9L46DL

Quant Time: Jun 24 01:14:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jun 24 01:05:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	274439	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.43	117	276681	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	116702	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	114989	5.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	114.40%
7) Chloroethane-d5	1.93	69	95881	5.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	115.40%
11) 1,1-Dichloroethene-d2	2.59	63	166132	4.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.00%
20) 2-Butanone-d5	4.67	46	405101	55.85	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.70%
24) Chloroform-d	5.10	84	209849	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
26) 1,2-Dichloroethane-d4	5.74	65	131466	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.20%
32) Benzene-d6	5.76	84	428713	5.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.80%
36) 1,2-Dichloropropane-d6	6.72	67	139823	5.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.40%
41) Toluene-d8	7.92	98	344449	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.40%
43) trans-1,3-Dichloropropene-	8.20	79	59783	5.33	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.60%
46) 2-Hexanone-d5	8.65	63	326642	56.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.96%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	126359	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	127924	5.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	117.60%

Target Compounds

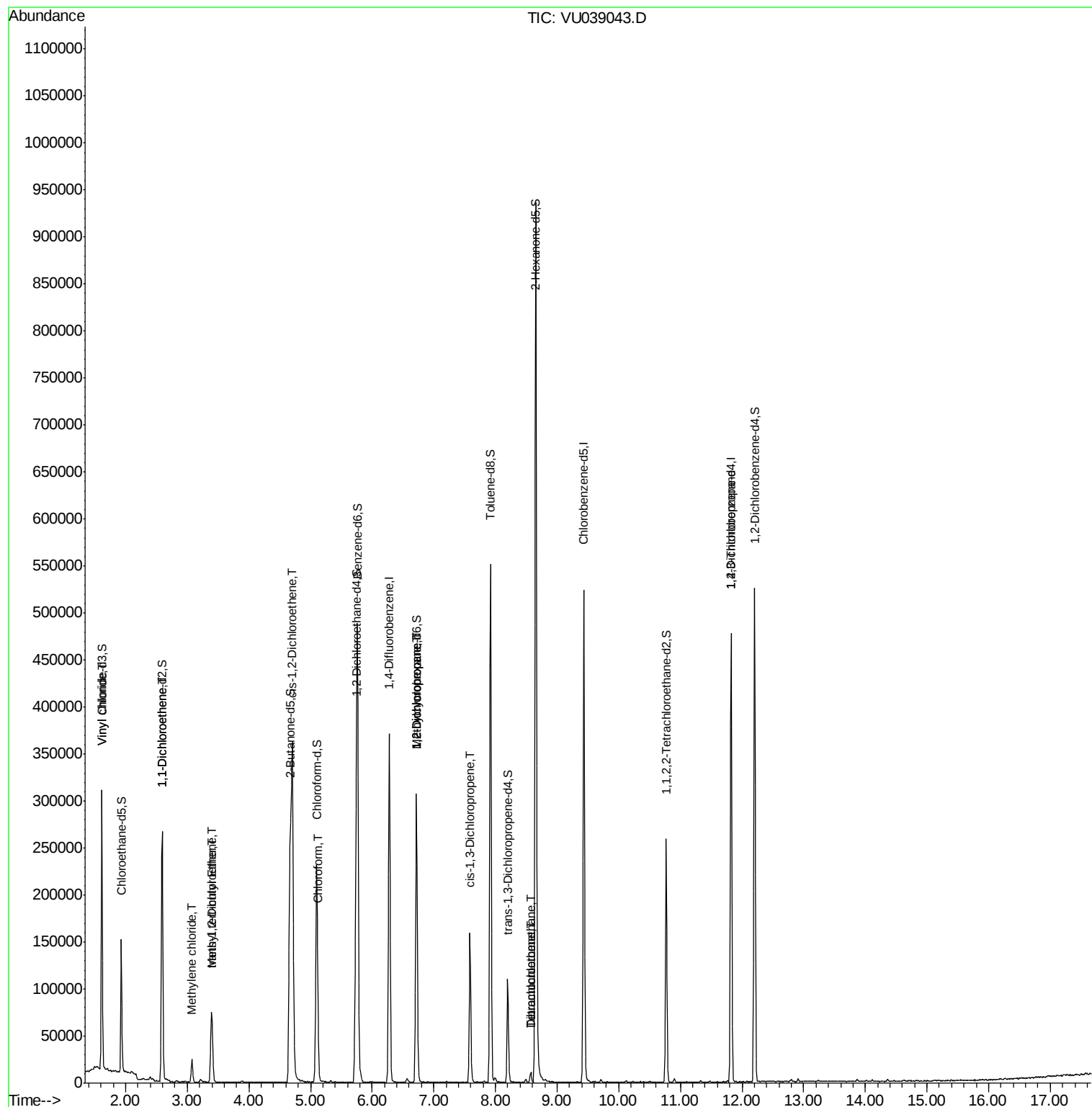
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	104180	3.908	ug/L	96
12) 1,1-Dichloroethene	2.60	96	1266	0.067	ug/L #	1
16) Methylene chloride	3.08	84	10493	0.447	ug/L	88
17) Methyl tert-butyl Ether	3.40	73	65777	1.216	ug/L	99
18) trans-1,2-Dichloroethene	3.38	96	7169	0.352	ug/L	97
22) cis-1,2-Dichloroethene	4.71	96	148174	6.752	ug/L	93
25) Chloroform	5.12	83	7321	0.180	ug/L	85
35) Methylcyclohexane	6.72	83	33193	1.064	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	16087	0.683	ug/L #	87
39) cis-1,3-Dichloropropene	7.59	75	4116	0.126	ug/L #	69
47) Tetrachloroethene	8.57	164	2306	0.152	ug/L	92
49) Dibromochloromethane	8.57	129	2278	0.120	ug/L #	10
59) 1,2,3-Trichloropropane	11.82	75	17114	0.964	ug/L	94

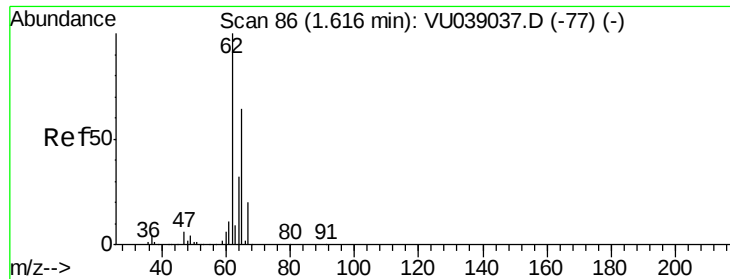
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jun 24 01:05:38 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 3.908 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU039043.D

Acq: 23 Jun 2020 16:35

Instrument :

MSVOA_U

ClientSampleId :

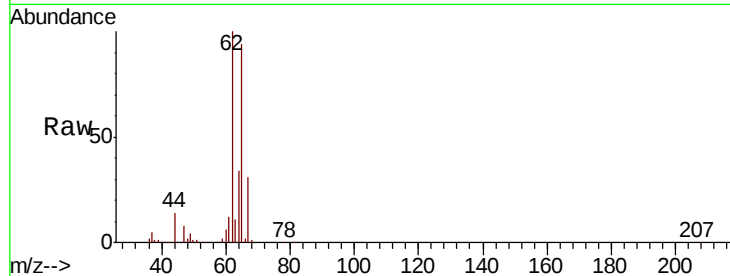
F9L46DL

Tot Ion: 62 Resp: 104180

Ion Ratio Lower Upper

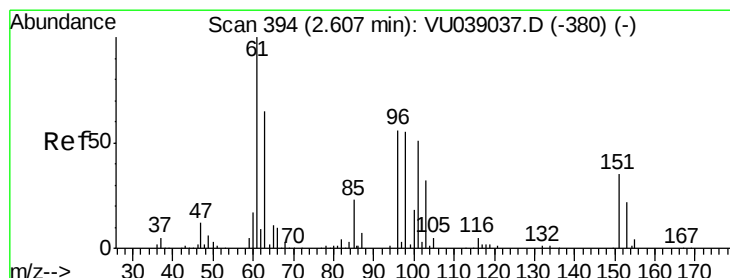
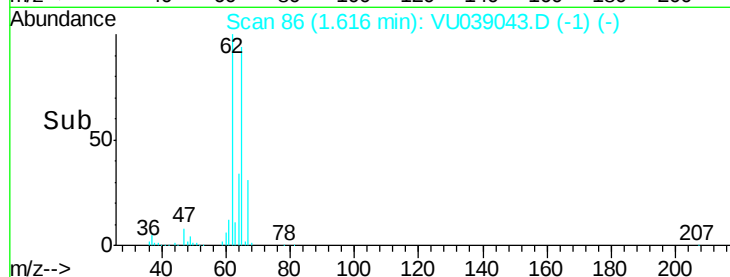
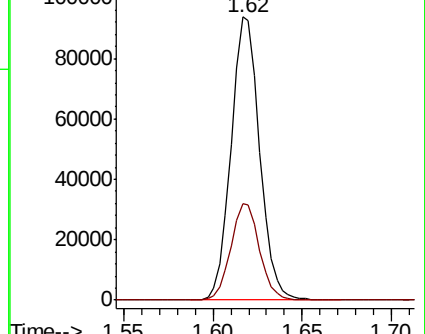
62 100

64 34.1 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VU039043.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU039043.D (-1) (-)



#12

1,1-Dichloroethene

Concen: 0.067 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU039043.D

Acq: 23 Jun 2020 16:35

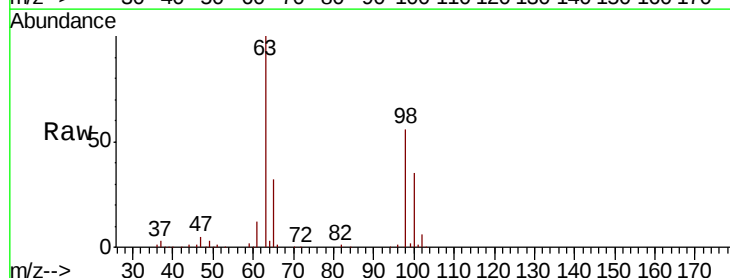
Tgt Ion: 96 Resp: 1266

Ion Ratio Lower Upper

96 100

61 1248.5 125.1 232.3#

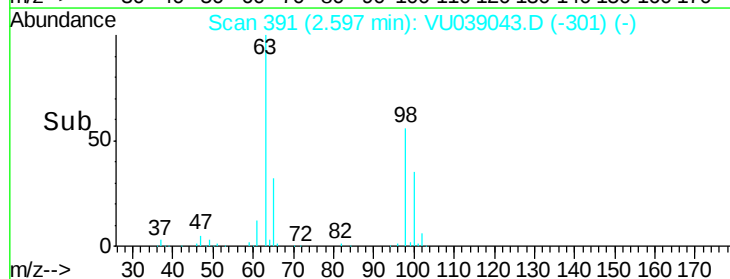
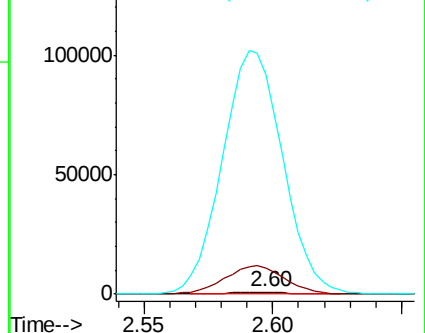
63 10434.6 82.3 152.8#

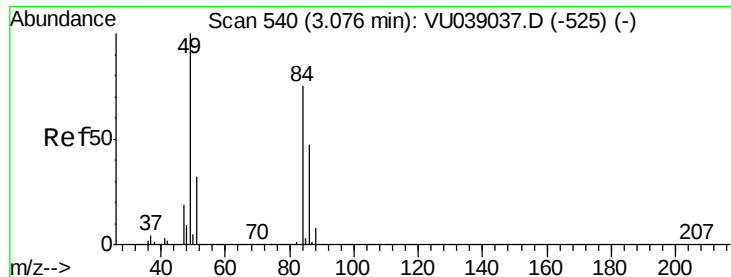


Abundance Ion 96.00 (95.70 to 96.70): VU039043.D (-301) (-)

Ion 61.05 (60.75 to 61.75): VU039043.D (-301) (-)

Ion 63.00 (62.70 to 63.70): VU039043.D (-301) (-)

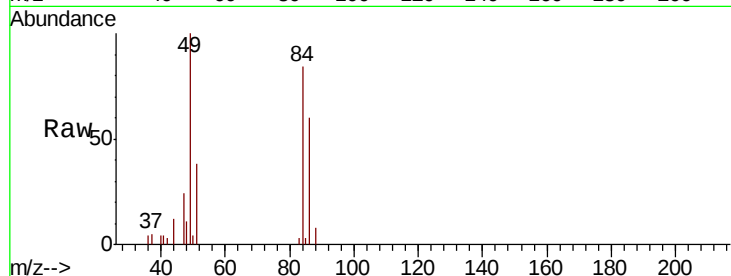




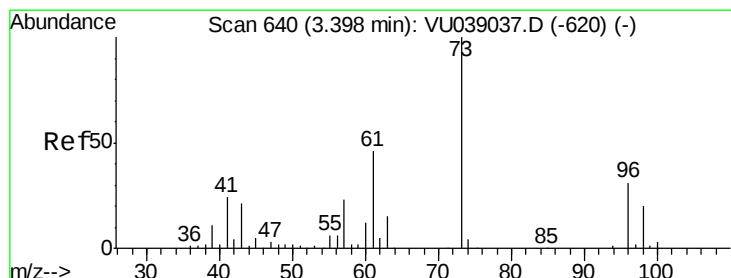
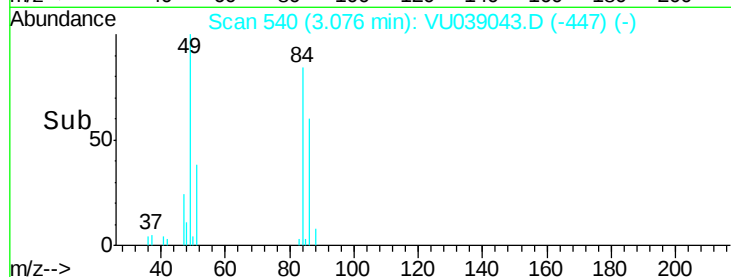
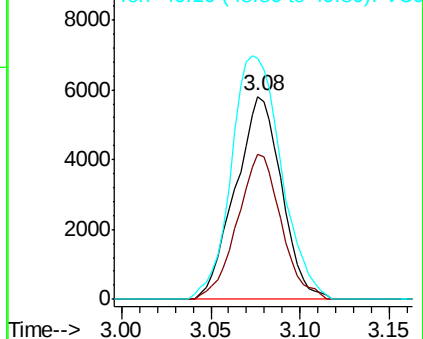
#16
Methvlene chloride
Concen: 0.447 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU039043.D
Acq: 23 Jun 2020 16:35

Instrument :
MSVOA_U
ClientSampled :
F9L46DL

Tot Ion: 84 Resp: 10493
Ion Ratio Lower Upper
84 100
86 71.6 44.1 81.9
49 118.5 93.1 172.9

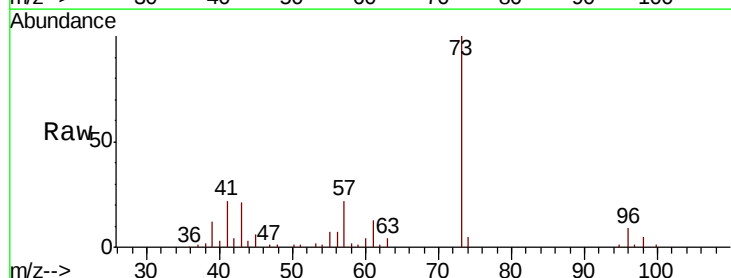


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

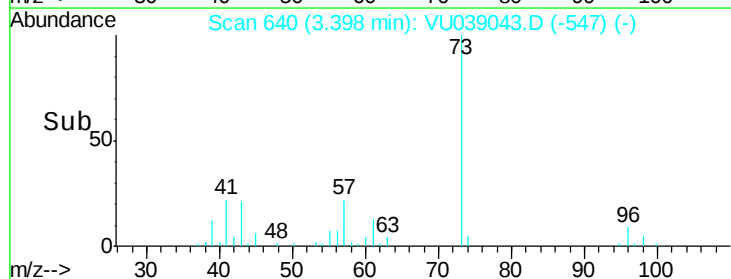
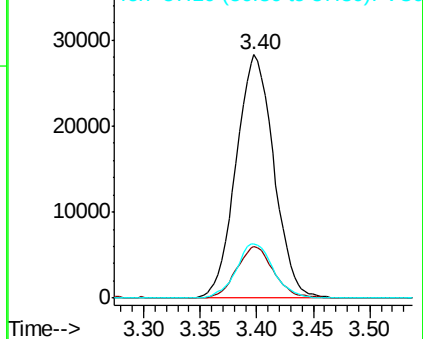


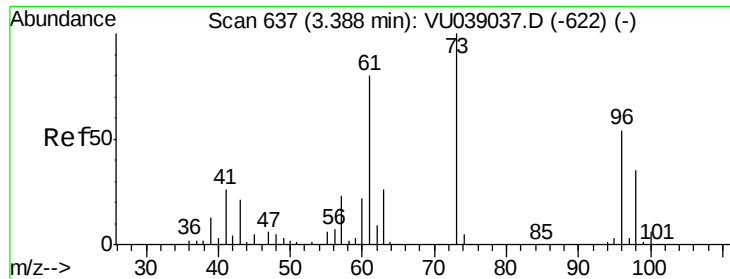
#17
Methyl tert-butyl Ether
Concen: 1.216 ug/L
RT: 3.40 min Scan# 640
Delta R.T. -0.00 min
Lab File: VU039043.D
Acq: 23 Jun 2020 16:35

Tgt Ion: 73 Resp: 65777
Ion Ratio Lower Upper
73 100
43 20.8 16.6 24.8
57 21.9 18.2 27.4



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

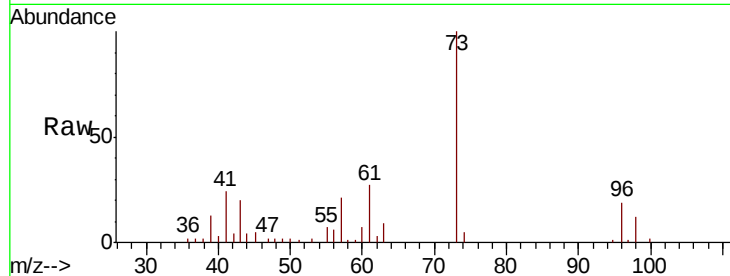




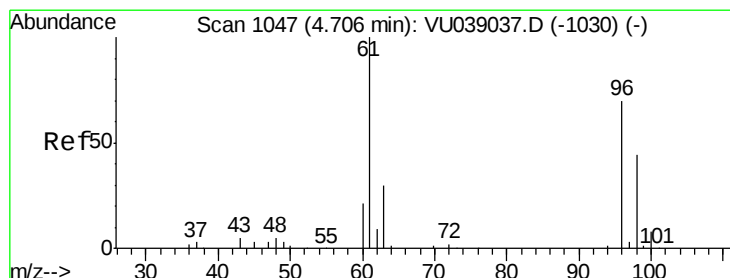
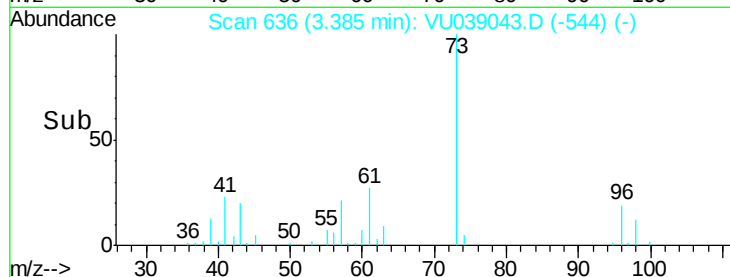
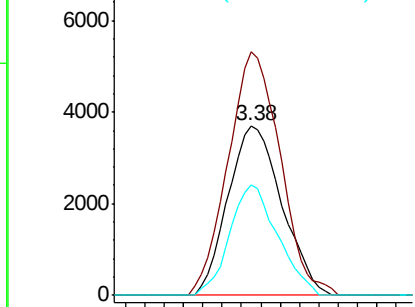
#18
trans-1,2-Dichloroethene
Concen: 0.352 ug/L
RT: 3.38 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU039043.D
Acq: 23 Jun 2020 16:35

Instrument :
MSVOA_U
ClientSampleId :
F9L46DL

Tot Ion: 96 Resp: 7169
Ion Ratio Lower Upper
96 100
61 143.2 103.5 192.3
98 65.0 44.9 83.5

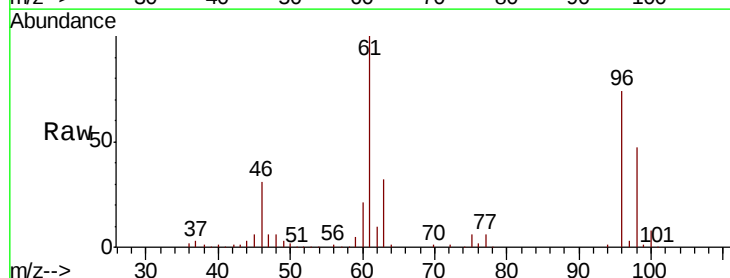


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

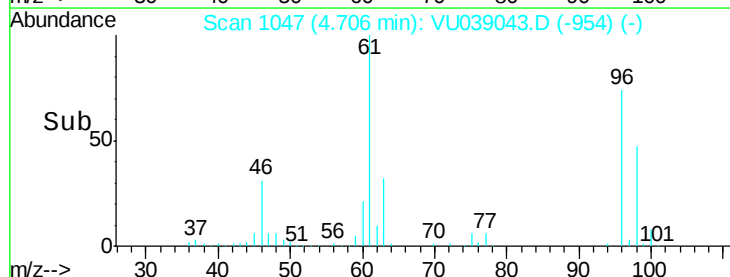
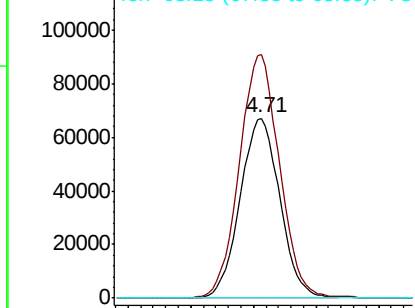


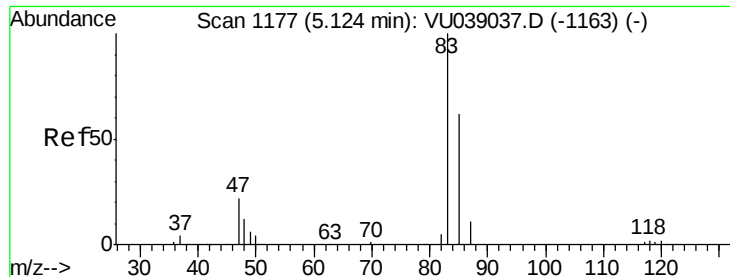
#22
cis-1,2-Dichloroethene
Concen: 6.752 ug/L
RT: 4.71 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU039043.D
Acq: 23 Jun 2020 16:35

Tgt Ion: 96 Resp: 148174
Ion Ratio Lower Upper
96 100
61 135.3 100.8 187.2
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

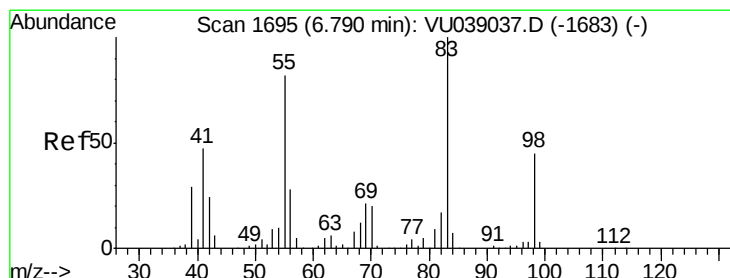
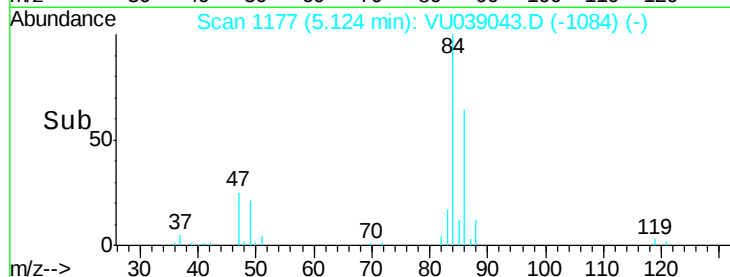
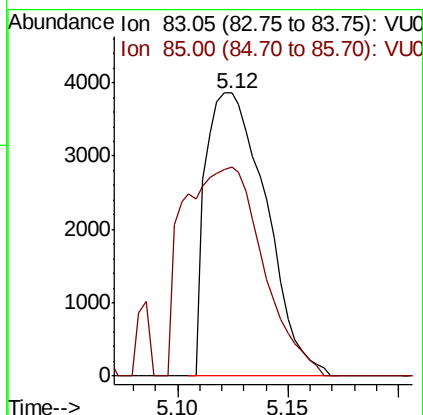
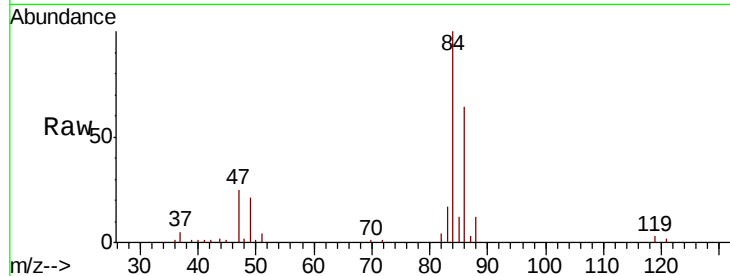




#25
Chloroform
Concen: 0.180 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU039043.D
Acq: 23 Jun 2020 16:35

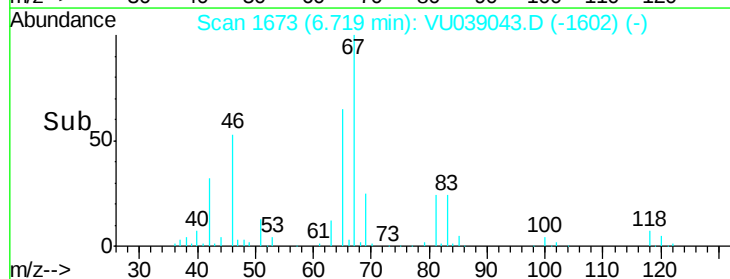
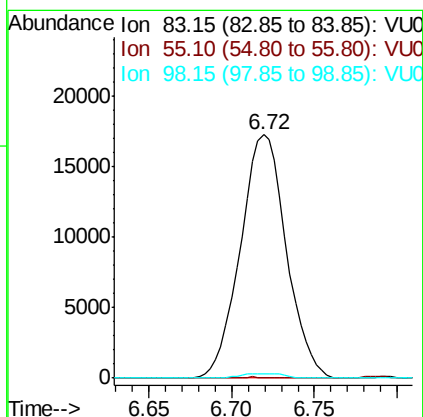
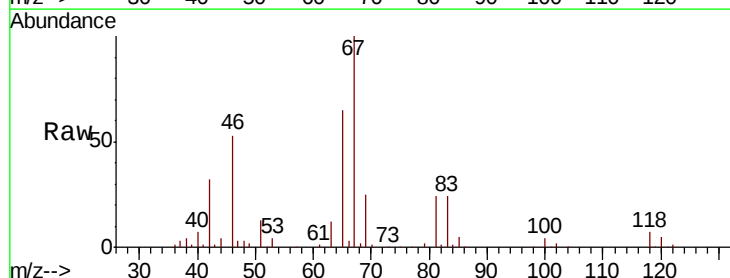
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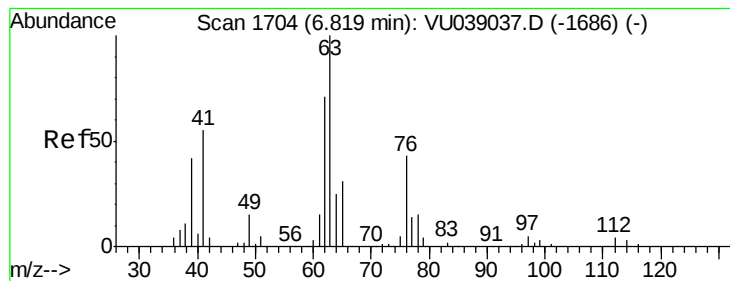
Tot Ion: 83 Resp: 7321
Ion Ratio Lower Upper
83 100
85 74.1 43.8 81.4



#35
Methylcyclohexane
Concen: 1.064 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.07 min
Lab File: VU039043.D
Acq: 23 Jun 2020 16:35

Tgt Ion: 83 Resp: 33193
Ion Ratio Lower Upper
83 100
55 0.1 65.5 98.3#
98 1.7 36.5 54.7#





#37

1,2-Dichloropropane

Concen: 0.683 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.10 min

Lab File: VU039043.D

Acq: 23 Jun 2020 16:35

Instrument :

MSVOA_U

ClientSampleID :

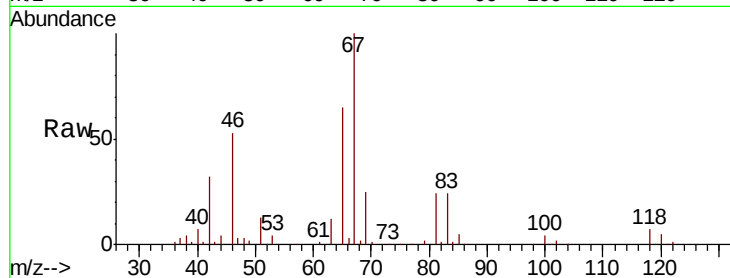
F9L46DL

Tot Ion: 63 Resp: 16087

Ion Ratio Lower Upper

63 100

112 0.1 3.4 5.2#



Abundance Ion 63.10 (62.80 to 63.80): VU039037.D (-1686) (-)

Ion 112.10 (111.80 to 112.80): VU039037.D (-1686) (-)

6.72

8000

6000

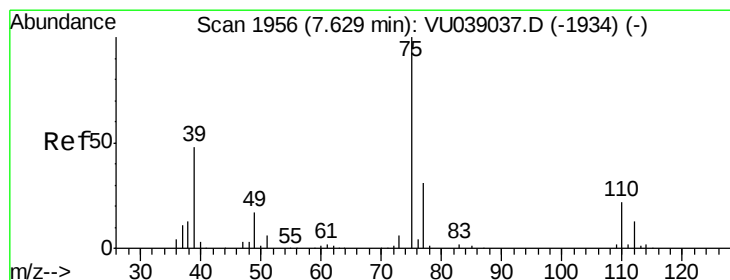
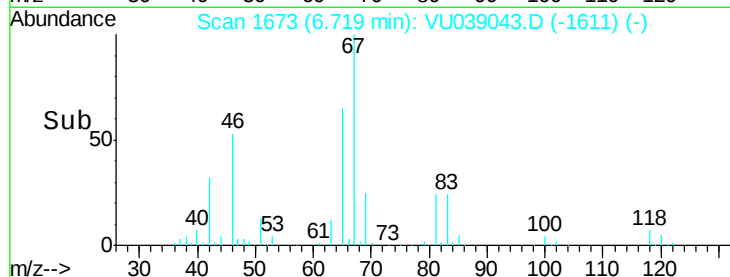
4000

2000

0

6.65 6.70 6.75 6.80

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.126 ug/L

RT: 7.59 min Scan# 1943

Delta R.T. -0.04 min

Lab File: VU039043.D

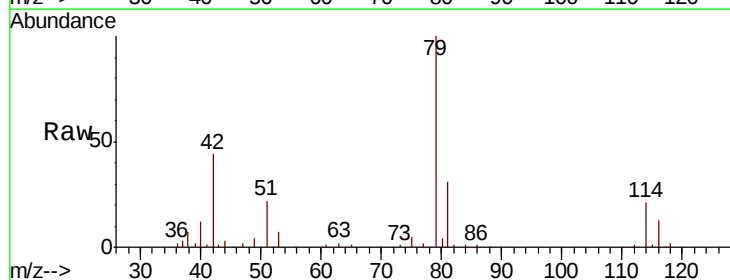
Acq: 23 Jun 2020 16:35

Tgt Ion: 75 Resp: 4116

Ion Ratio Lower Upper

75 100

77 47.9 21.6 40.0#



Abundance Ion 75.05 (74.75 to 75.75): VU039037.D (-1934) (-)

Ion 77.05 (76.75 to 77.75): VU039037.D (-1934) (-)

7.59

2500

2000

1500

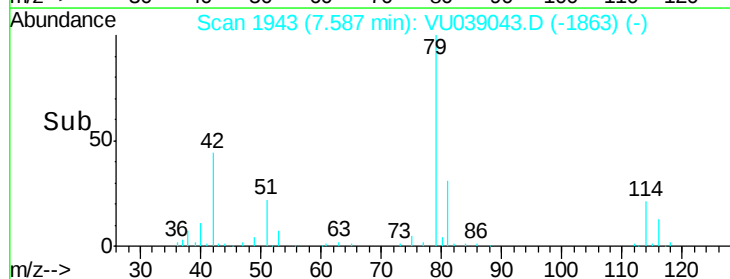
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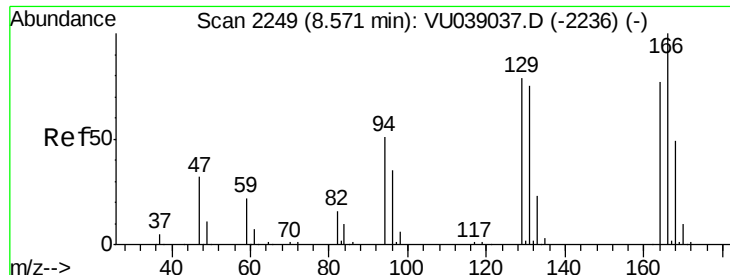
500

0

7.55 7.60 7.65

Time-->

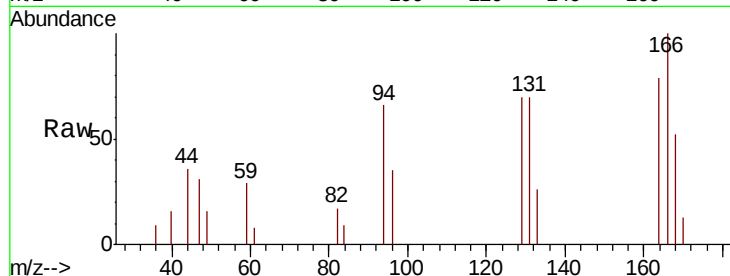




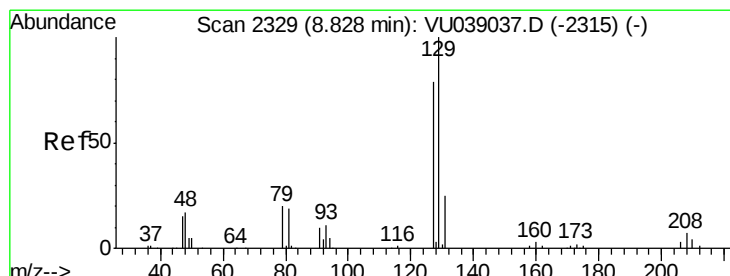
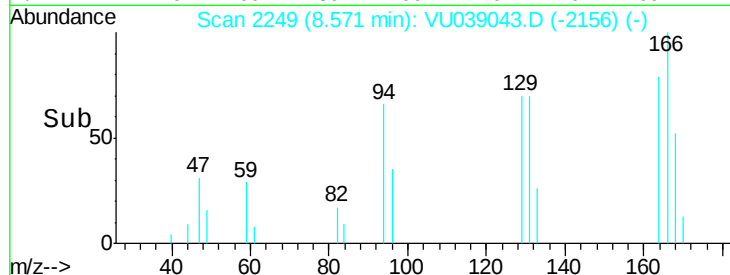
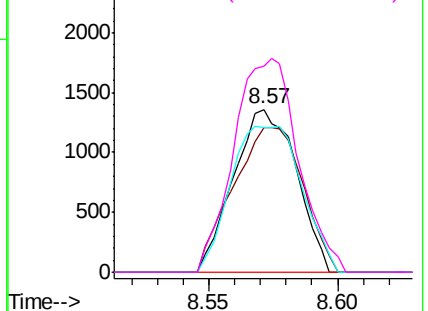
#47
Tetrachloroethene
Concen: 0.152 ug/L
RT: 8.57 min Scan# 2249
Delta R.T. -0.00 min
Lab File: VU039043.D
Acq: 23 Jun 2020 16:35

Instrument :
MSVOA_U
ClientSampled :
F9L46DL

Tot Ion:164 Resp: 2306
Ion Ratio Lower Upper
164 100
129 88.7 71.3 132.5
131 88.8 68.3 126.8
166 126.3 90.8 168.6

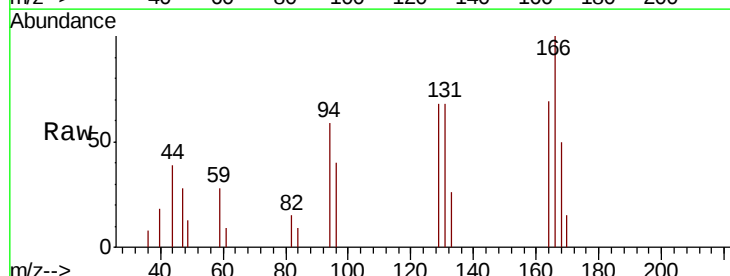


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

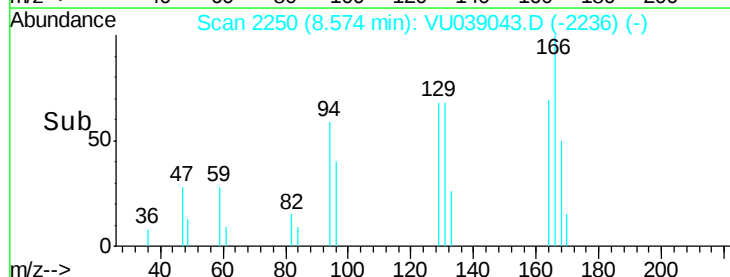
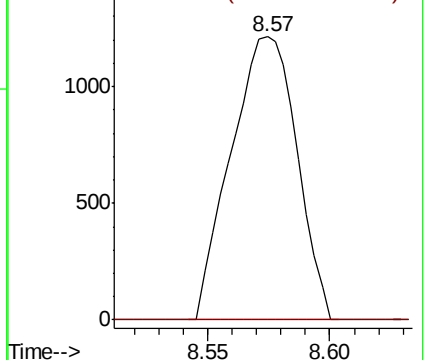


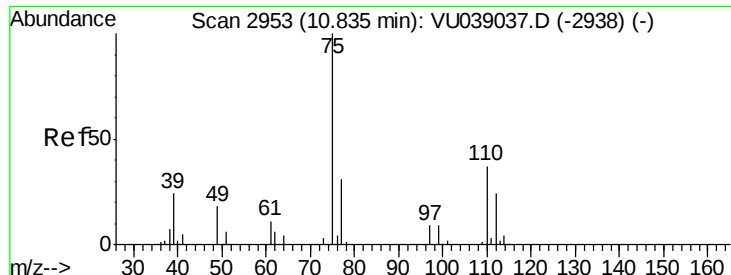
#49
Dibromochloromethane
Concen: 0.120 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.25 min
Lab File: VU039043.D
Acq: 23 Jun 2020 16:35

Tgt Ion:129 Resp: 2278
Ion Ratio Lower Upper
129 100
127 0.0 55.4 103.0#



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: 0.964 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.99 min

Lab File: VU039043.D

Acq: 23 Jun 2020 16:35

Instrument :

MSVOA_U

ClientSampleId :

F9L46DL

Tot Ion: 75 Resp: 17114

Ion Ratio Lower Upper

75 100

77 36.0 26.2 39.2

