

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070820\
 Data File : VU039369.D
 Acq On : 09 Jul 2020 00:48
 Operator : SY/MD
 Sample : L3243-13
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F4A77

Quant Time: Jul 09 05:53:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 09 05:48:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	101703	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	96559	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	45746	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	28130	4.77	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.40%
7) Chloroethane-d5	1.92	69	30194	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.20%
11) 1,1-Dichloroethene-d2	2.58	63	44567	3.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.80%
20) 2-Butanone-d5	4.65	46	155504	57.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.32%
24) Chloroform-d	5.09	84	63253	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
26) 1,2-Dichloroethane-d4	5.72	65	42607	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.20%
32) Benzene-d6	5.74	84	131233	5.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.00%
36) 1,2-Dichloropropane-d6	6.71	67	46181	5.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.00%
41) Toluene-d8	7.91	98	113767	5.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.00%
43) trans-1,3-Dichloropropene-	8.19	79	17987	4.99	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.80%
46) 2-Hexanone-d5	8.64	63	112187	52.44	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.88%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	42246	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	46324	5.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.40%

Target Compounds

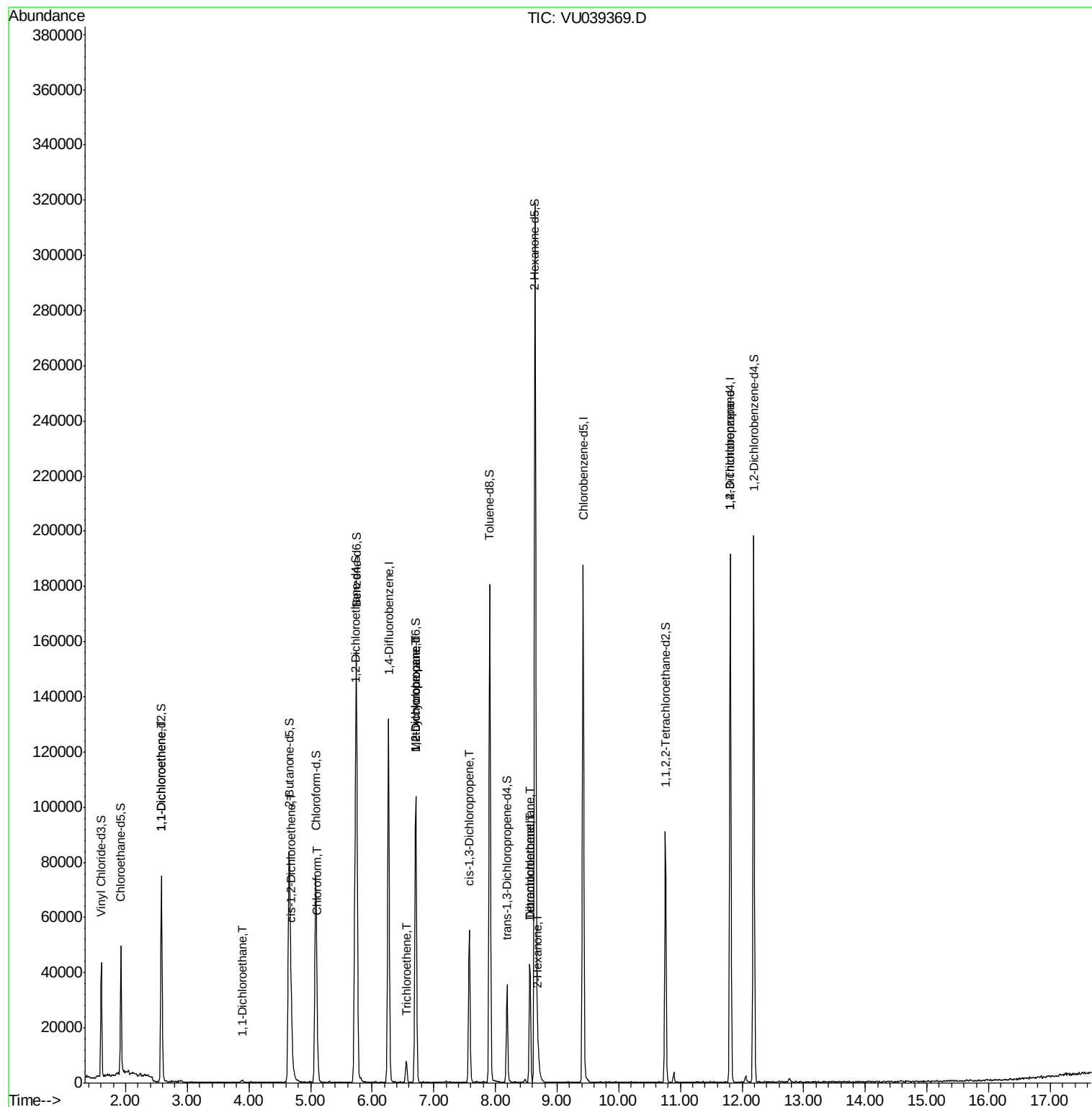
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.58	96	380	0.063	ug/L #	1
19) 1,1-Dichloroethane	3.89	63	1300	0.099	ug/L #	87
22) cis-1,2-Dichloroethene	4.69	96	2744	0.365	ug/L	88
25) Chloroform	5.11	83	8368	0.632	ug/L	99
34) Trichloroethene	6.55	95	2451	0.328	ug/L #	70
35) Methylcyclohexane	6.70	83	9918	0.829	ug/L #	19
37) 1,2-Dichloropropane	6.71	63	5466	0.695	ug/L #	91
39) cis-1,3-Dichloropropene	7.58	75	1604	0.135	ug/L #	72
47) Tetrachloroethene	8.56	164	8482	1.634	ug/L	93
48) 2-Hexanone	8.69	43	5764	1.191	ug/L #	73
49) Dibromochloromethane	8.56	129	8537	1.247	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	7253	1.250	ug/L	99

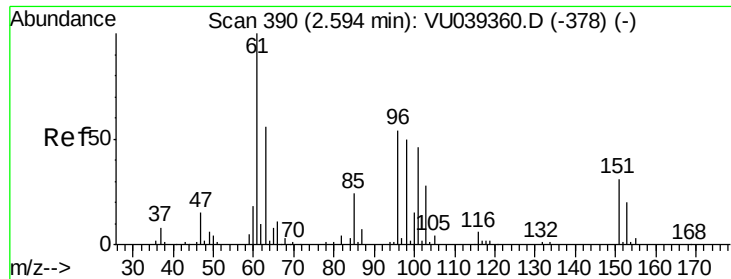
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.063 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU039369.D

Acq: 09 Jul 2020 00:48

Instrument :

MSVOA_U

ClientSampled :

F4A77

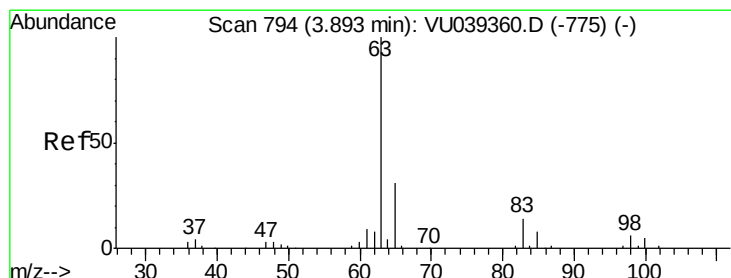
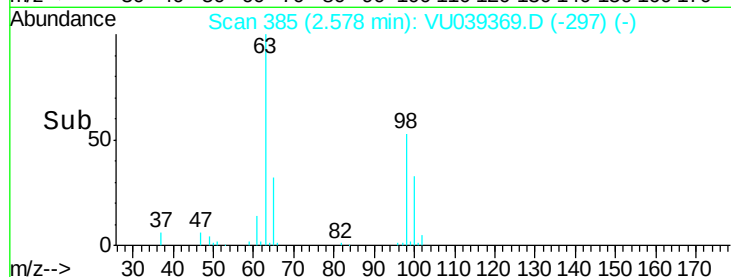
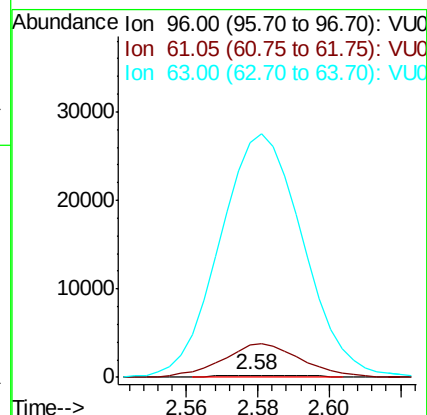
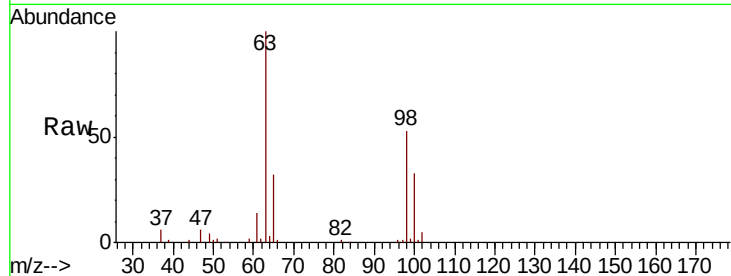
Tot Ion: 96 Resp: 380

Ion Ratio Lower Upper

96 100

61 1376.6 125.4 232.8#

63 10167.0 92.7 172.3#



#19

1,1-Dichloroethane

Concen: 0.099 ug/L

RT: 3.89 min Scan# 793

Delta R.T. -0.00 min

Lab File: VU039369.D

Acq: 09 Jul 2020 00:48

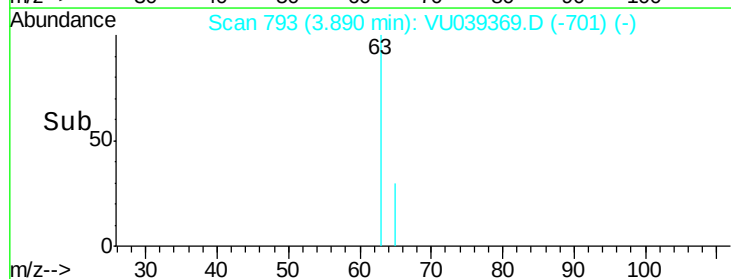
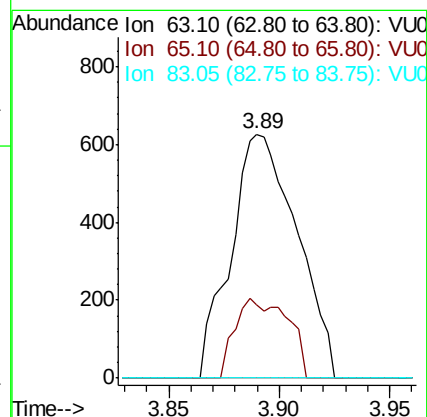
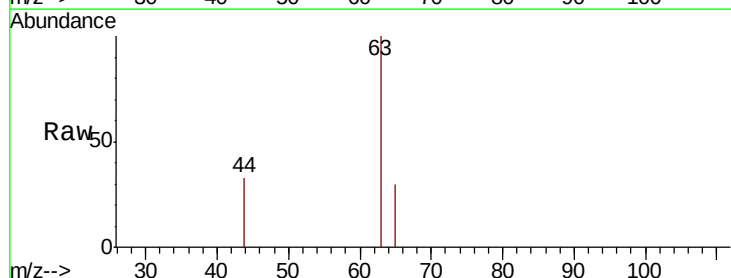
Tgt Ion: 63 Resp: 1300

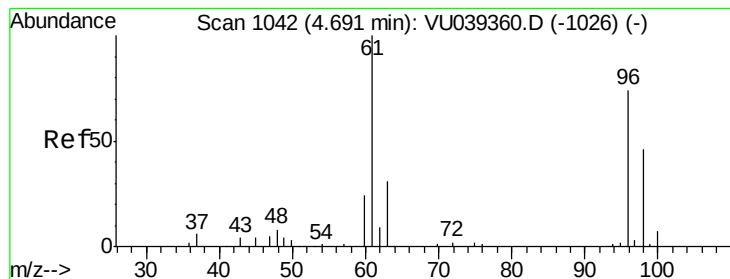
Ion Ratio Lower Upper

63 100

65 30.0 23.0 42.6

83 0.0 9.6 17.8#





#22

cis-1,2-Dichloroethene

Concen: 0.365 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. -0.00 min

Lab File: VU039369.D

Acq: 09 Jul 2020 00:48

Instrument :

MSVOA_U

ClientSampleId :

F4A77

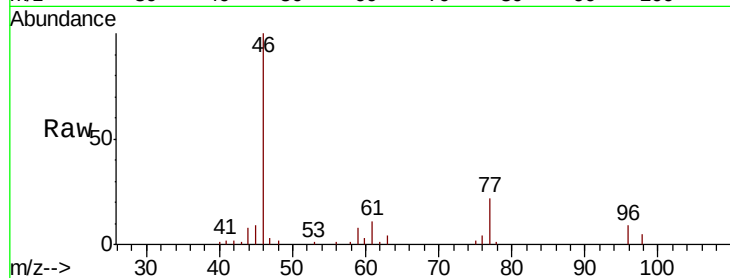
Tot Ion: 96 Resp: 2744

Ion Ratio Lower Upper

96 100

61 119.0 92.8 172.4

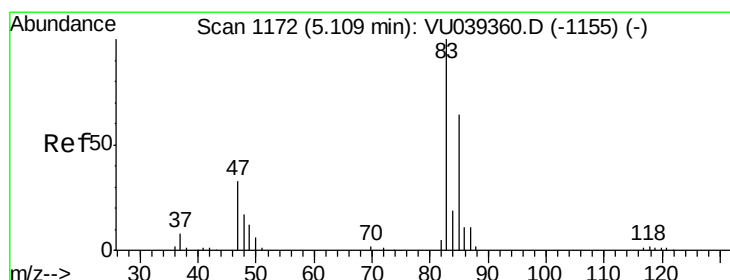
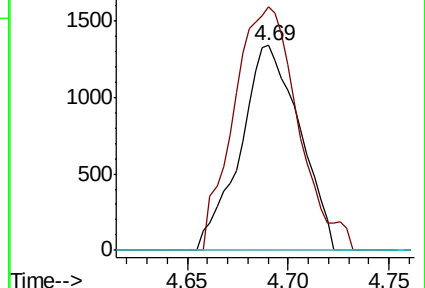
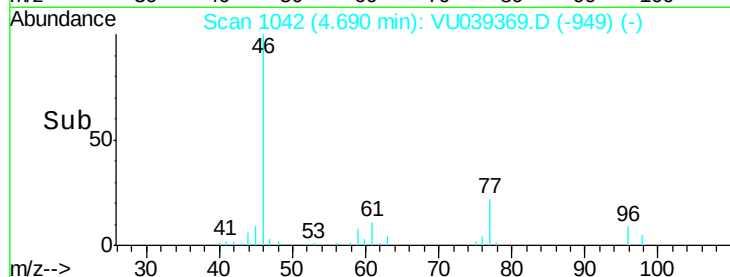
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039369.D (-949) (-)

Ion 61.05 (60.75 to 61.75): VU039369.D (-949) (-)

Ion 68.15 (67.85 to 68.85): VU039369.D (-949) (-)



#25

Chloroform

Concen: 0.632 ug/L

RT: 5.11 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU039369.D

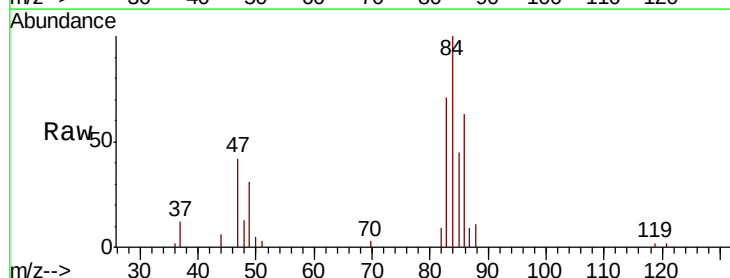
Acq: 09 Jul 2020 00:48

Tgt Ion: 83 Resp: 8368

Ion Ratio Lower Upper

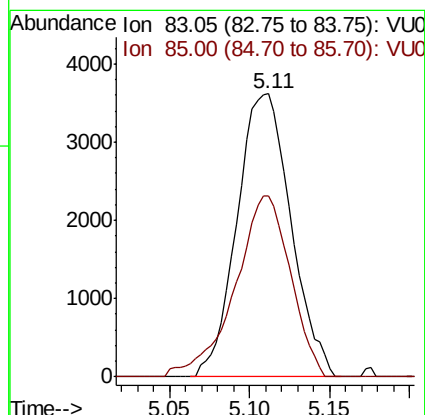
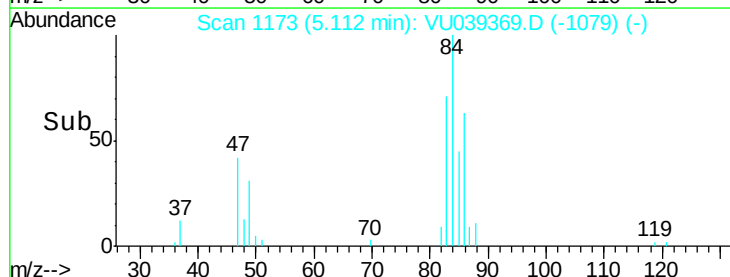
83 100

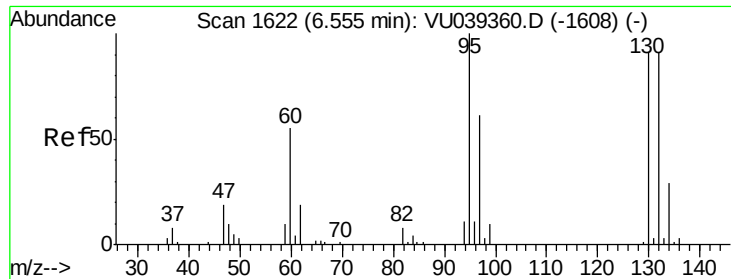
85 63.7 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VU039369.D (-1079) (-)

Ion 85.00 (84.70 to 85.70): VU039369.D (-1079) (-)





#34

Trichloroethene

Concen: 0.328 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU039369.D

Acq: 09 Jul 2020 00:48

Instrument :

MSVOA_U

ClientSampleId :

F4A77

Tot Ion: 95 Resp: 2451

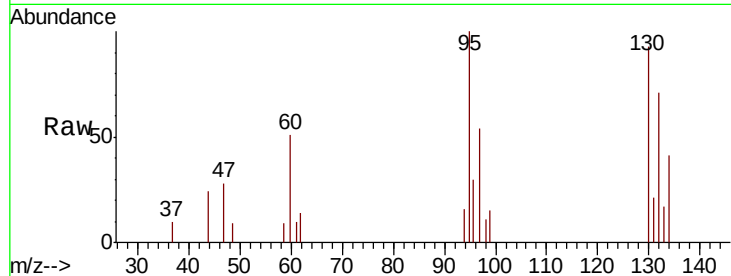
Ion Ratio Lower Upper

95 100

97 41.4 46.3 85.9#

132 55.0 64.0 118.8#

130 72.0 64.3 119.5



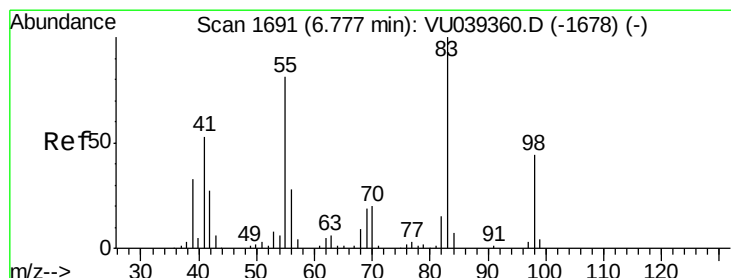
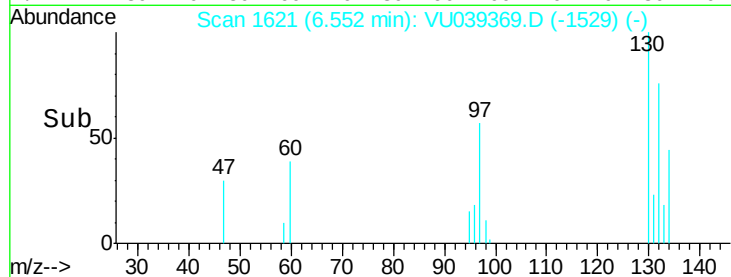
Abundance Ion 95.00 (94.70 to 95.70): VU039360.D (-1608) (-)

Ion 96.95 (96.65 to 97.65): VU039360.D (-1608) (-)

Ion 131.95 (131.65 to 132.65): VU039360.D (-1608) (-)

Ion 129.95 (129.65 to 130.65): VU039360.D (-1608) (-)

Time-->



#35

Methylcyclohexane

Concen: 0.829 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU039369.D

Acq: 09 Jul 2020 00:48

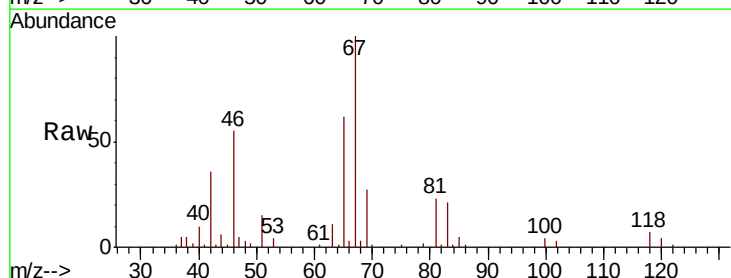
Tgt Ion: 83 Resp: 9918

Ion Ratio Lower Upper

83 100

55 0.2 62.1 93.1#

98 0.6 35.9 53.9#

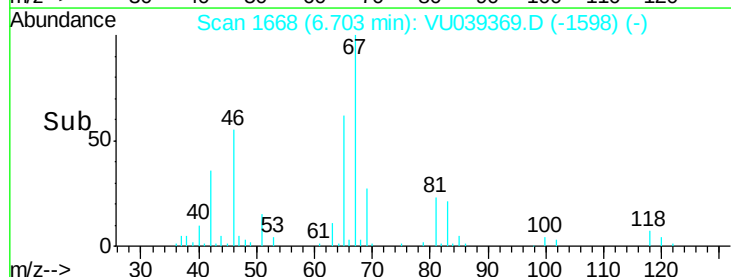


Abundance Ion 83.15 (82.85 to 83.85): VU039360.D (-1678) (-)

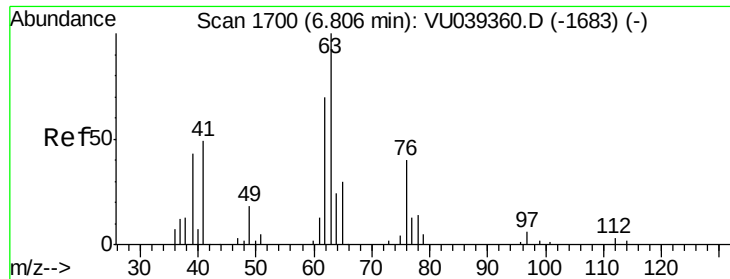
Ion 55.10 (54.80 to 55.80): VU039360.D (-1678) (-)

Ion 98.15 (97.85 to 98.85): VU039360.D (-1678) (-)

Time-->



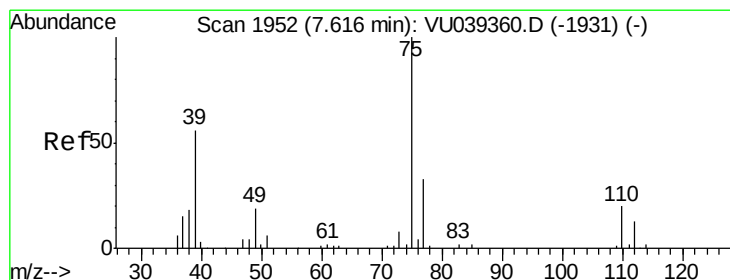
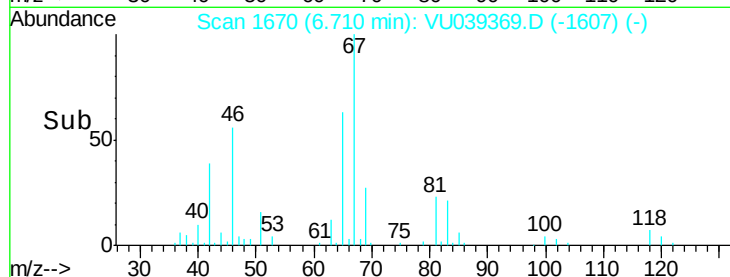
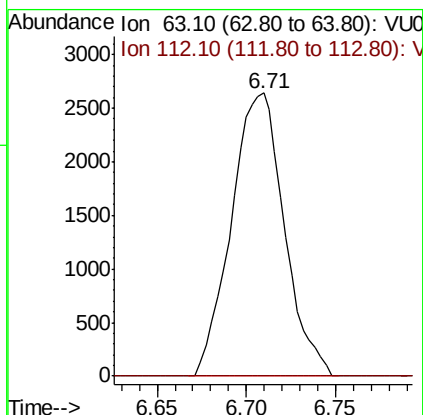
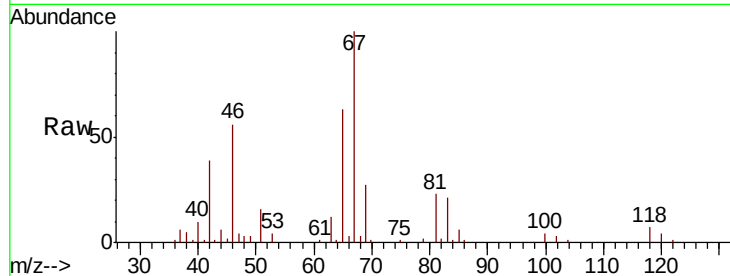
Time-->



#37
 1,2-Dichloropropane
 Concen: 0.695 ug/L
 RT: 6.71 min Scan# 1670
 Delta R.T. -0.10 min
 Lab File: VU039369.D
 Acq: 09 Jul 2020 00:48

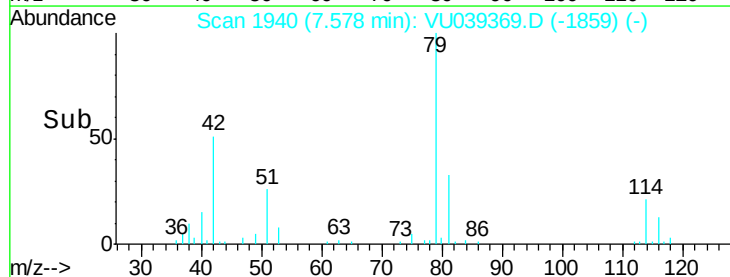
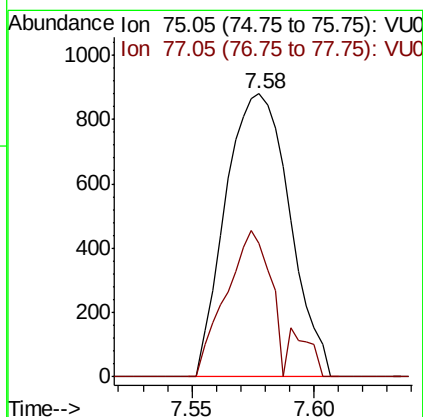
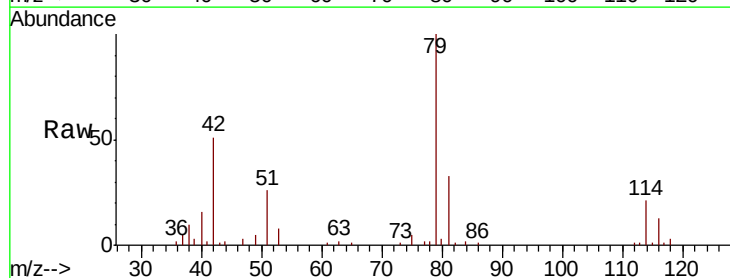
Instrument :
 MSVOA_U
 ClientSampleId :
 F4A77

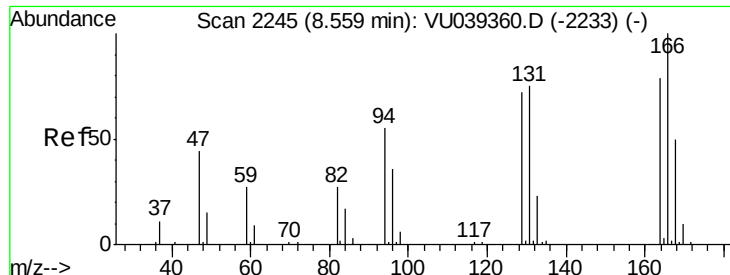
Tot Ion: 63 Resp: 5466
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.5 3.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.135 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU039369.D
 Acq: 09 Jul 2020 00:48

Tgt Ion: 75 Resp: 1604
 Ion Ratio Lower Upper
 75 100
 77 47.3 22.3 41.3#





#47

Tetrachloroethene

Concen: 1.634 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VU039369.D

Acq: 09 Jul 2020 00:48

Instrument :

MSVOA_U

ClientSampleId :

F4A77

Tot Ion:164 Resp: 8482

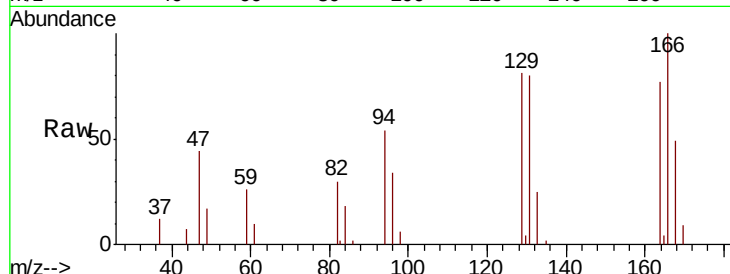
Ion Ratio Lower Upper

164 100

129 105.0 68.6 127.4

131 104.0 66.4 123.4

166 129.3 85.9 159.5

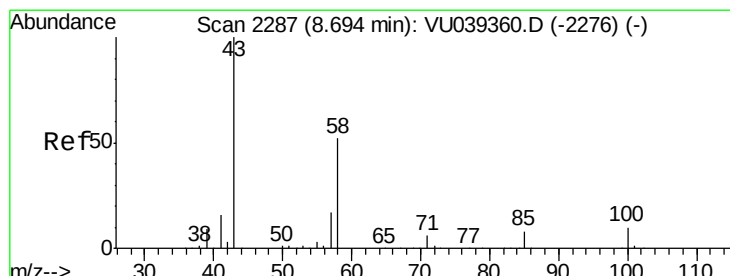
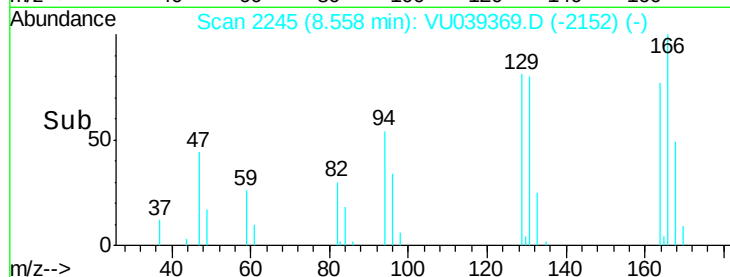
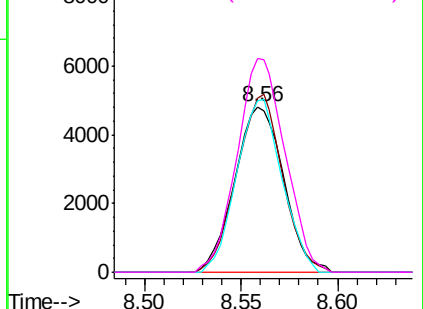


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.191 ug/L

RT: 8.69 min Scan# 2287

Delta R.T. -0.00 min

Lab File: VU039369.D

Acq: 09 Jul 2020 00:48

Tgt Ion: 43 Resp: 5764

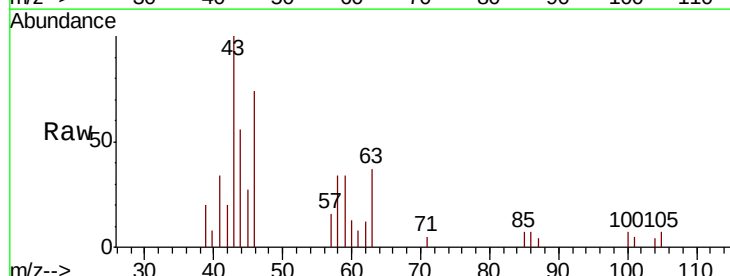
Ion Ratio Lower Upper

43 100

58 26.7 42.0 63.0#

57 18.4 14.0 21.0

100 3.5 8.2 12.2#

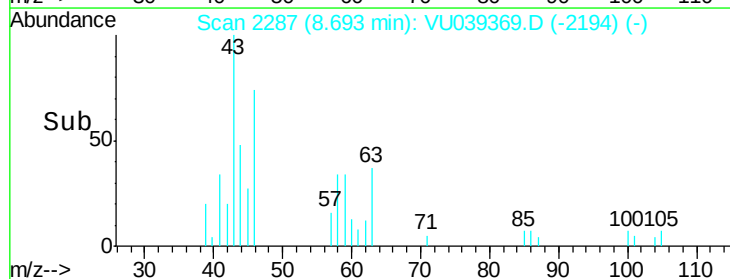
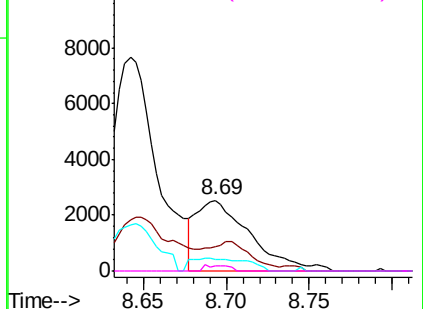


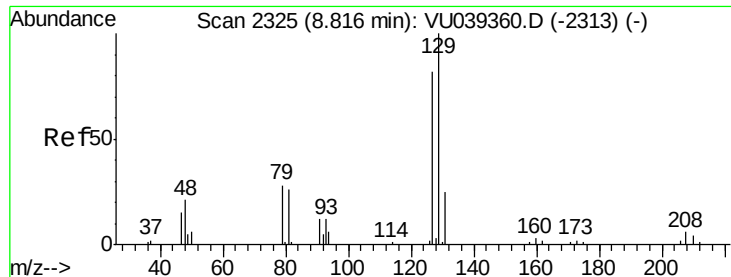
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 1.247 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. -0.25 min

Lab File: VU039369.D

Acq: 09 Jul 2020 00:48

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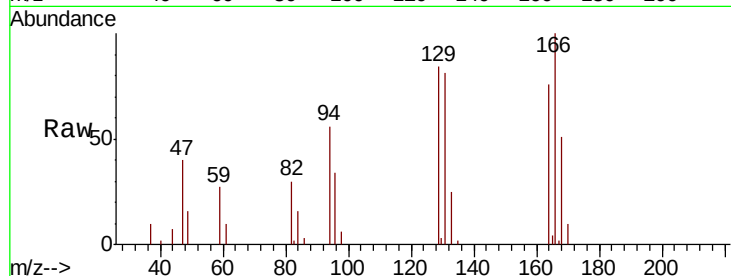
F4A77

Tot Ion:129 Resp: 8537

Ion Ratio Lower Upper

129 100

127 0.0 55.4 102.8#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.56

6000

5000

4000

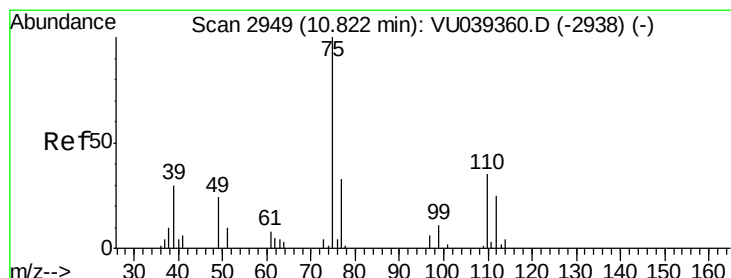
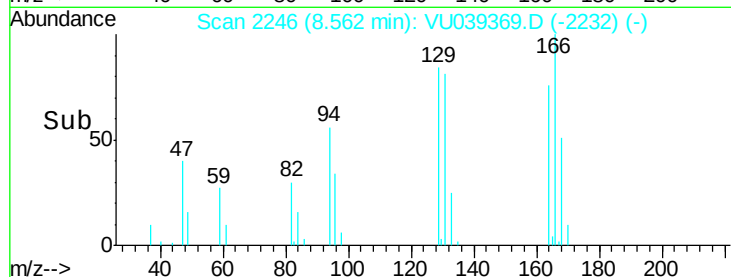
3000

2000

1000

0

Time--> 8.50 8.55 8.60



#59

1,2,3-Trichloropropane

Concen: 1.250 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039369.D

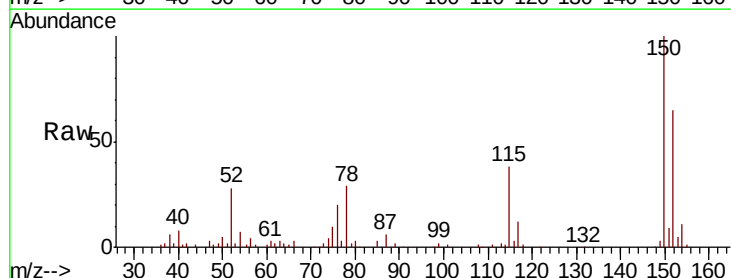
Acq: 09 Jul 2020 00:48

Tgt Ion: 75 Resp: 7253

Ion Ratio Lower Upper

75 100

77 33.0 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.81

5000

4000

3000

2000

1000

0

Time--> 11.75 11.80 11.85

