

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070820\
 Data File : VU039350.D
 Acq On : 08 Jul 2020 16:20
 Operator : SY/MD
 Sample : L3231-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4284

Quant Time: Jul 09 04:36:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 09 02:29:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	101986	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	97880	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	46170	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	33296	5.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	112.60%
7) Chloroethane-d5	1.93	69	31307	5.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.60%
11) 1,1-Dichloroethene-d2	2.58	63	48917	4.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.20%
20) 2-Butanone-d5	4.66	46	170736	63.13	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	126.26%
24) Chloroform-d	5.09	84	68713	5.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.20%
26) 1,2-Dichloroethane-d4	5.72	65	46451	5.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.60%
32) Benzene-d6	5.75	84	140712	5.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	119.40%
36) 1,2-Dichloropropane-d6	6.70	67	47821	5.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	115.60%
41) Toluene-d8	7.91	98	123633	6.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	121.00%
43) trans-1,3-Dichloropropene-	8.19	79	19886	5.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	108.80%
46) 2-Hexanone-d5	8.64	63	126520	58.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	116.68%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	45416	5.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	49491	6.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	120.20%#

Target Compounds

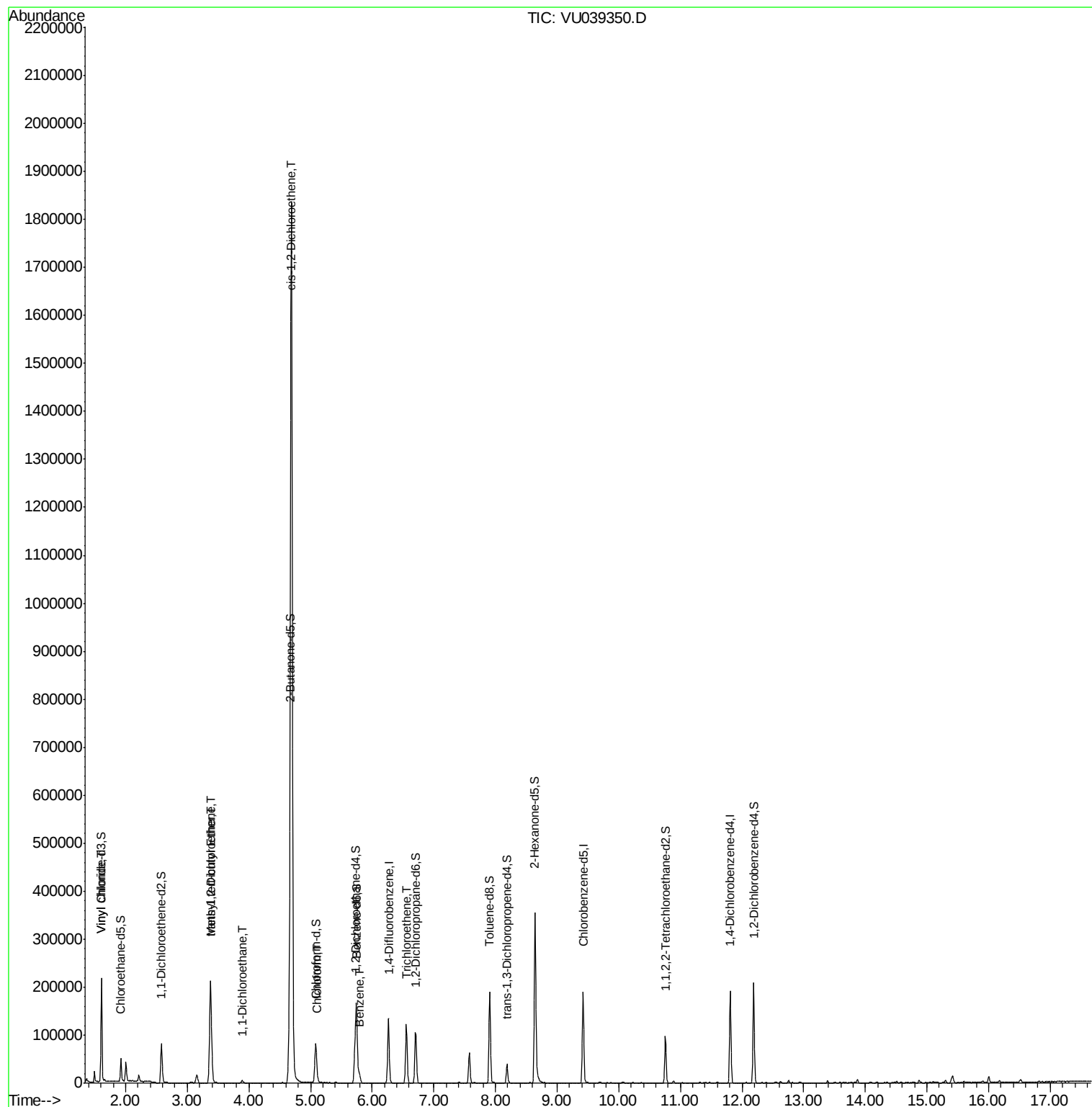
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	79322	9.539	ug/L	97
17) Methyl tert-butyl Ether	3.38	73	126159	6.601	ug/L	98
18) trans-1,2-Dichloroethene	3.38	96	46062	6.860	ug/L	95
19) 1,1-Dichloroethane	3.89	63	6757	0.514	ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	874255	116.115	ug/L	97
25) Chloroform	5.11	83	4777	0.360	ug/L	93
33) Benzene	5.79	78	18419	0.629	ug/L	100
34) Trichloroethene	6.56	95	39906	5.275	ug/L	99

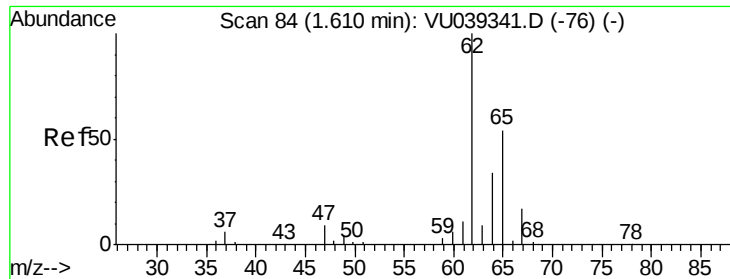
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 9.539 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039350.D

Acq: 08 Jul 2020 16:20

Instrument :

MSVOA_U

ClientSampled :

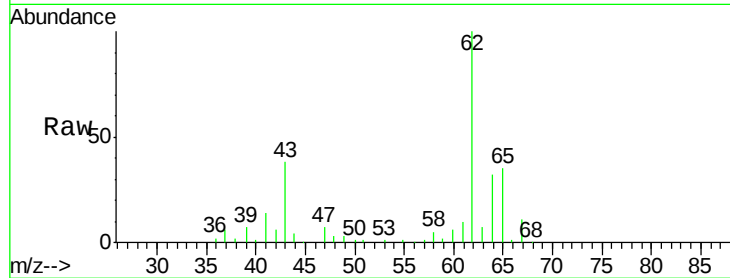
H4284

Tot Ion: 62 Resp: 79322

Ion Ratio Lower Upper

62 100

64 32.0 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.61

60000

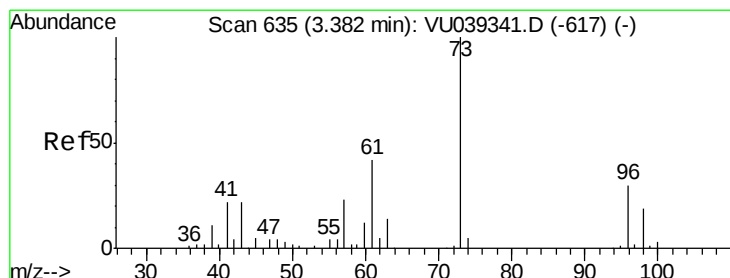
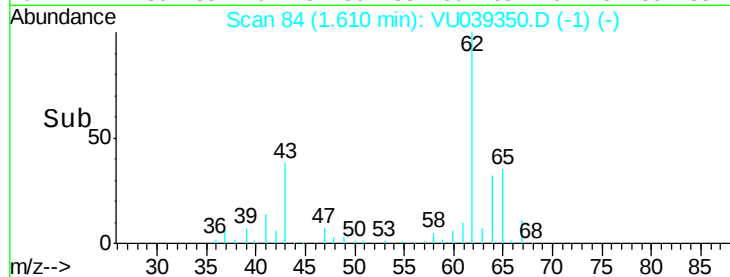
40000

20000

0

1.55 1.60 1.65 1.70

Time-->



#17

Methyl tert-butyl Ether

Concen: 6.601 ug/L

RT: 3.38 min Scan# 636

Delta R.T. 0.00 min

Lab File: VU039350.D

Acq: 08 Jul 2020 16:20

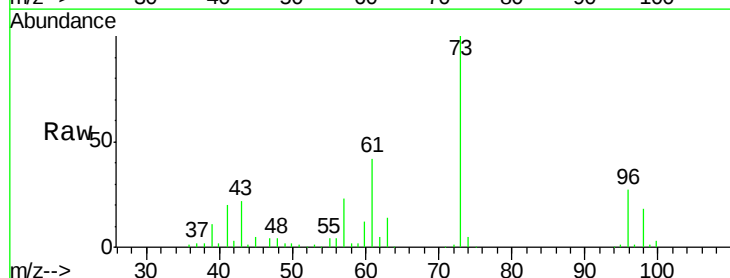
Tgt Ion: 73 Resp: 126159

Ion Ratio Lower Upper

73 100

43 21.7 18.6 28.0

57 23.0 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

60000

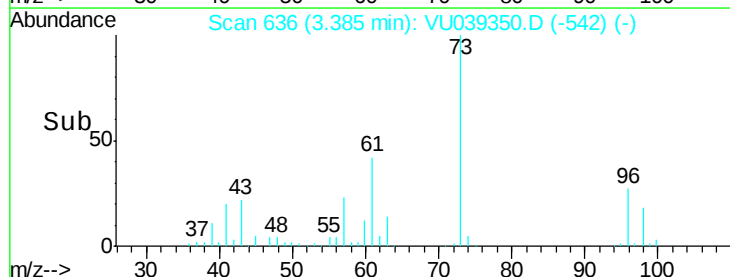
40000

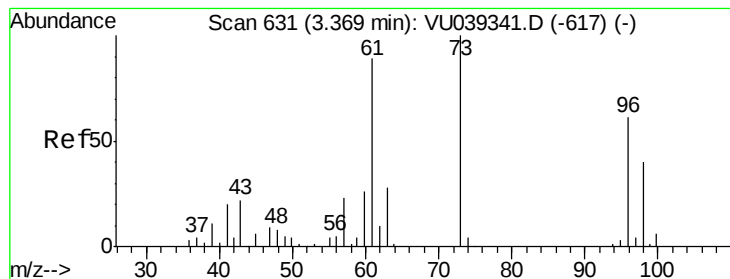
20000

0

3.30 3.40 3.50

Time-->





#18

trans-1,2-Dichloroethene

Concen: 6.860 ug/L

RT: 3.38 min Scan# 633

Delta R.T. 0.01 min

Lab File: VU039350.D

Acq: 08 Jul 2020 16:20

Instrument :

MSVOA_U

ClientSampled :

H4284

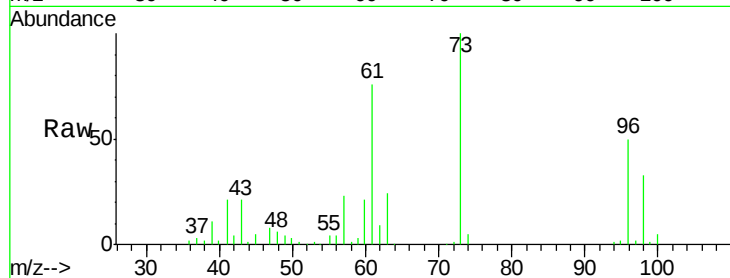
Tot Ion: 96 Resp: 46062

Ion Ratio Lower Upper

96 100

61 151.6 102.1 189.5

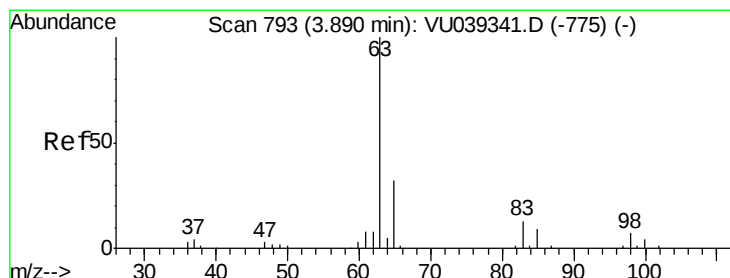
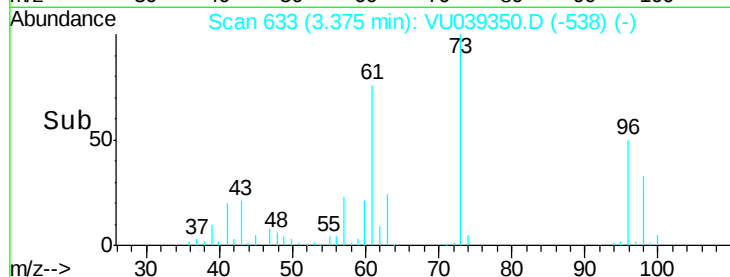
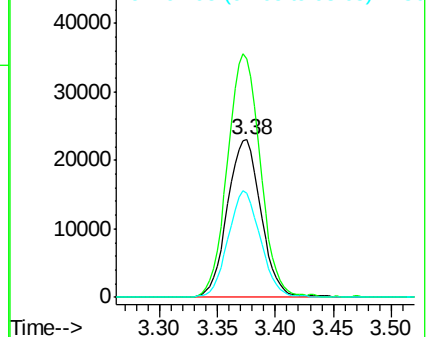
98 65.9 42.5 78.9



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



#19

1,1-Dichloroethane

Concen: 0.514 ug/L

RT: 3.89 min Scan# 794

Delta R.T. 0.00 min

Lab File: VU039350.D

Acq: 08 Jul 2020 16:20

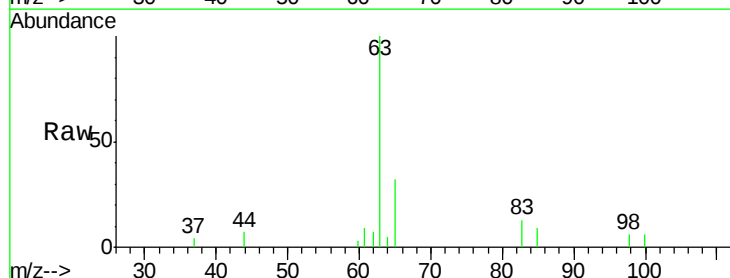
Tgt Ion: 63 Resp: 6757

Ion Ratio Lower Upper

63 100

65 31.6 23.0 42.6

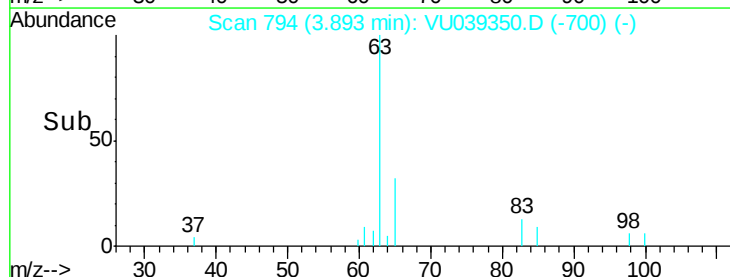
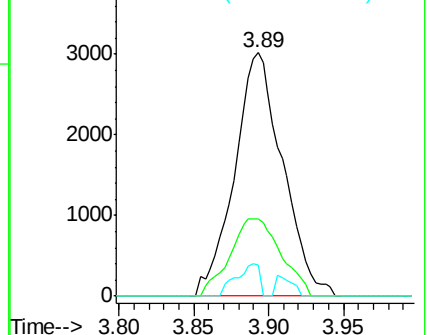
83 13.0 9.6 17.8

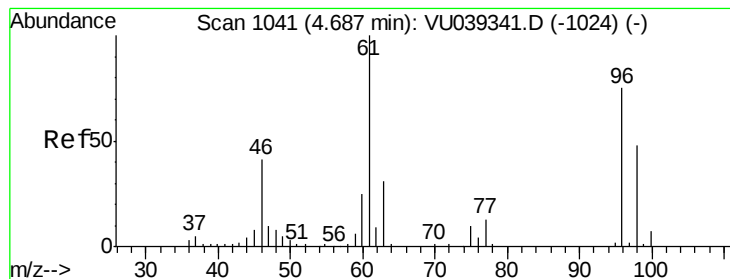


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0





#22

cis-1,2-Dichloroethene

Concen: 116.115 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU039350.D

Acq: 08 Jul 2020 16:20

Instrument :

MSVOA_U

ClientSampleId :

H4284

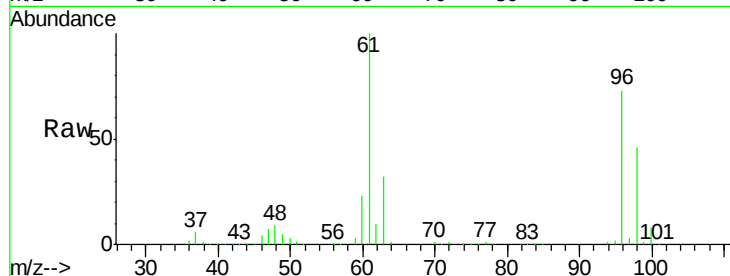
Tot Ion: 96 Resp: 874255

Ion Ratio Lower Upper

96 100

61 136.4 92.8 172.4

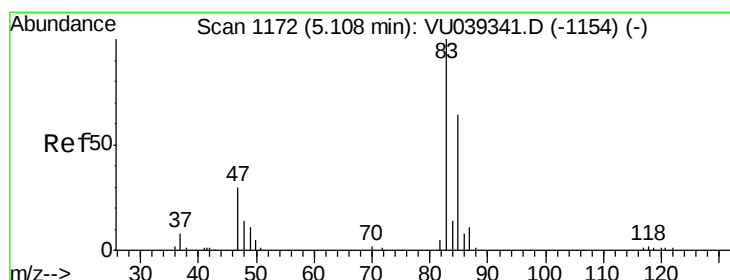
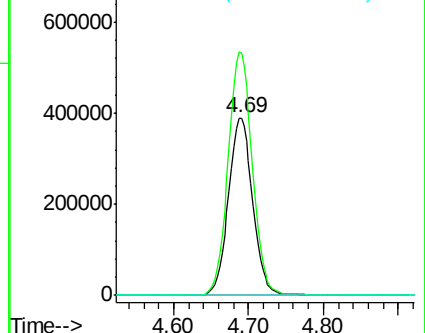
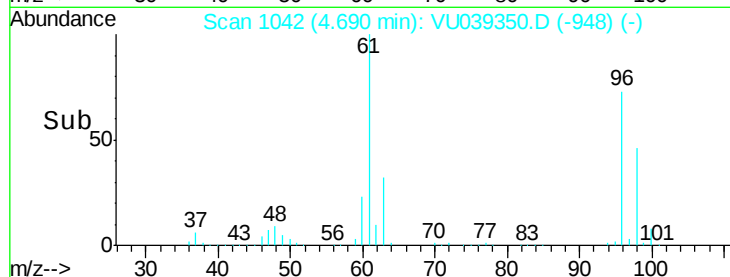
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039350.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU039350.D (-948) (-)

Ion 68.15 (67.85 to 68.85): VU039350.D (-948) (-)



#25

Chloroform

Concen: 0.360 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU039350.D

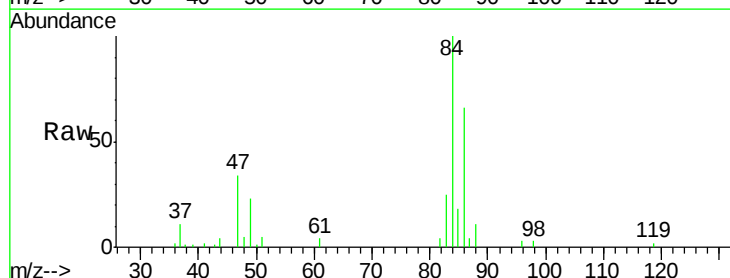
Acq: 08 Jul 2020 16:20

Tgt Ion: 83 Resp: 4777

Ion Ratio Lower Upper

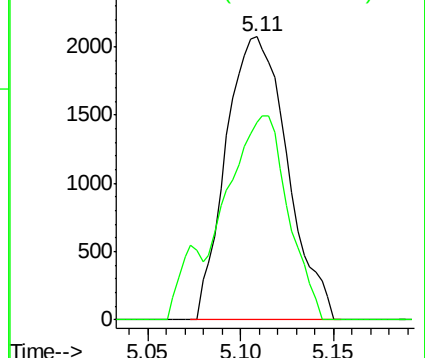
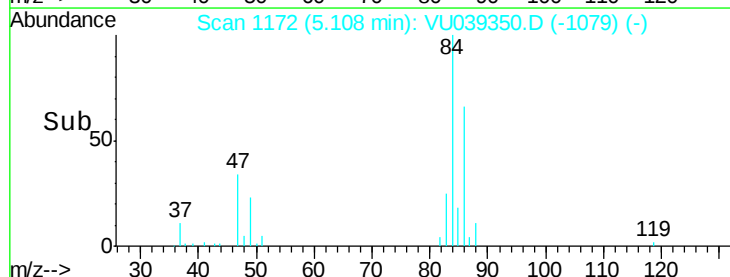
83 100

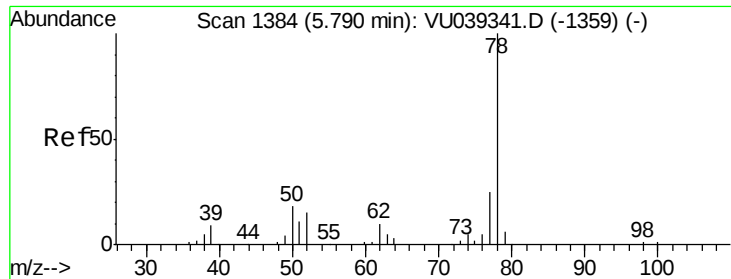
85 69.7 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VU039350.D (-1079) (-)

Ion 85.00 (84.70 to 85.70): VU039350.D (-1079) (-)





#33

Benzene

Concen: 0.629 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU039350.D

Acq: 08 Jul 2020 16:20

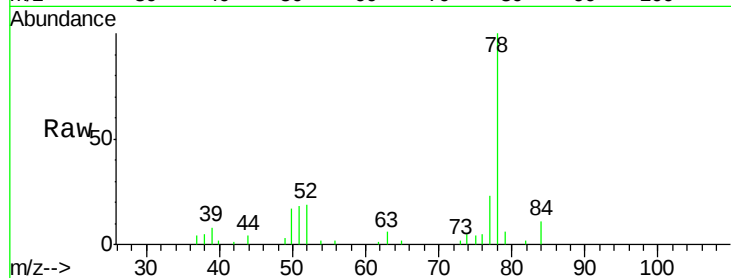
Instrument :

MSVOA_U

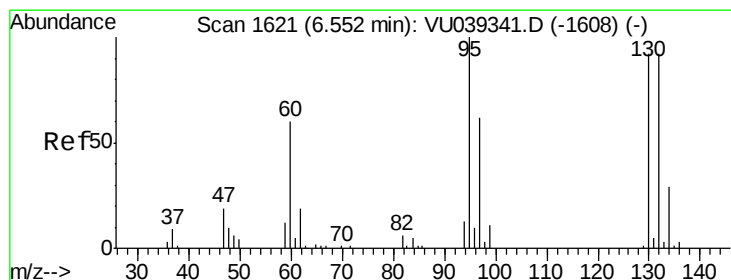
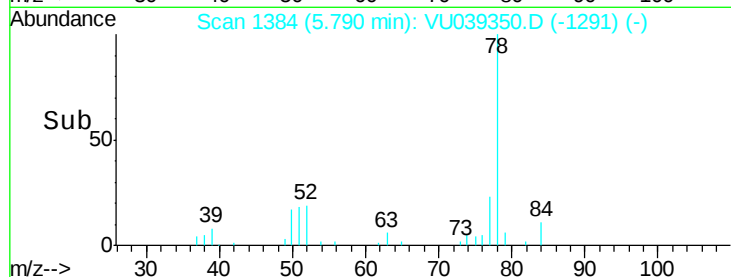
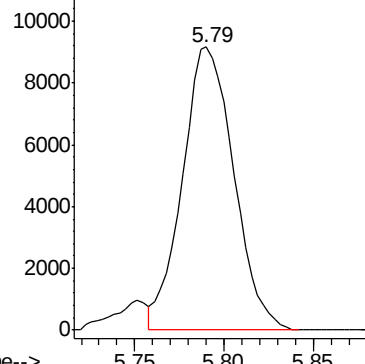
ClientSampleId :

H4284

Tgt Ion: 78 Resp: 18419



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 5.275 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039350.D

Acq: 08 Jul 2020 16:20

Tgt Ion: 95 Resp: 39906

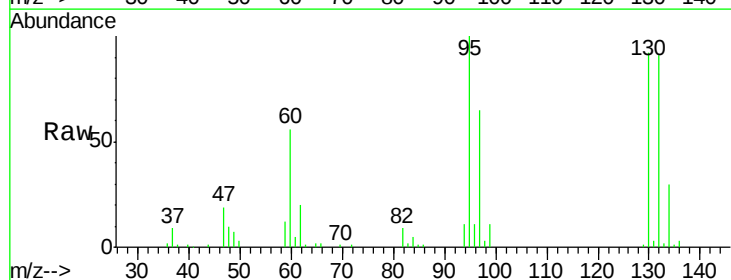
Ion	Ratio	Lower	Upper
95	100		
97	65.1	46.3	85.9
132	90.5	64.0	118.8
130	91.7	64.3	119.5

95 100

97 65.1 46.3 85.9

132 90.5 64.0 118.8

130 91.7 64.3 119.5



Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

