

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU070620\
 Data File : VU039291.D
 Acq On : 06 Jul 2020 15:15
 Operator : SY/MD
 Sample : L3193-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4275

Quant Time: Jul 16 01:49:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 07 01:17:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	120158	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	110744	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	51318	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	50291	5.44	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.80%
7) Chloroethane-d5	1.93	69	40282	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.20%
11) 1,1-Dichloroethene-d2	2.58	63	66424	3.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.40%
20) 2-Butanone-d5	4.66	46	148786	42.72	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.44%
24) Chloroform-d	5.09	84	84834	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.72	65	51891	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
32) Benzene-d6	5.75	84	172808	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
36) 1,2-Dichloropropane-d6	6.71	67	56429	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.60%
41) Toluene-d8	7.91	98	155233	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
43) trans-1,3-Dichloropropene-	8.19	79	22766	4.35	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.00%
46) 2-Hexanone-d5	8.64	63	120725	43.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.48%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	48763	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	58764	5.07	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.40%

Target Compounds

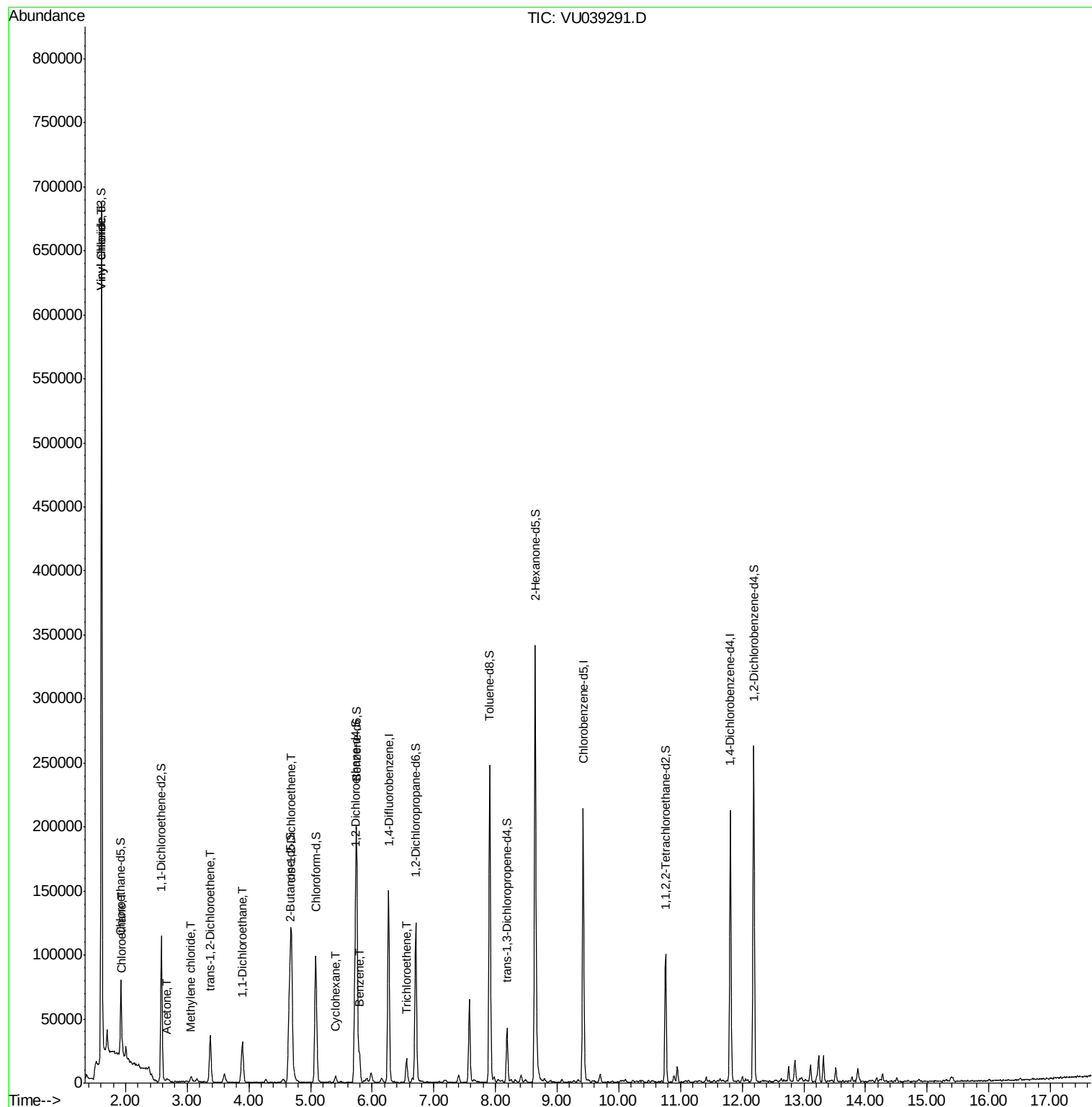
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl chloride	1.61	62	395241	44.150	ug/L	98
8) Chloroethane	1.94	64	6228	1.016	ug/L #	71
13) Acetone	2.67	43	3793	2.302	ug/L	93
16) Methylene chloride	3.06	84	998	0.115	ug/L	91
18) trans-1,2-Dichloroethene	3.37	96	13912	1.880	ug/L	94
19) 1,1-Dichloroethane	3.89	63	35479	2.393	ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	42551	5.046	ug/L	97
30) Cyclohexane	5.40	56	2812	0.221	ug/L #	84
33) Benzene	5.79	78	19285	0.618	ug/L	100
34) Trichloroethene	6.56	95	5834	0.725	ug/L	96

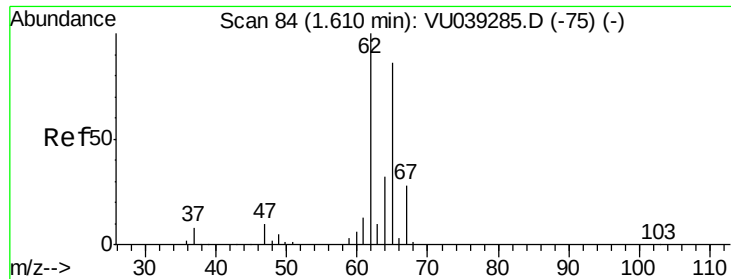
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 44.150 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039291.D

Acq: 06 Jul 2020 15:15

Instrument :

MSVOA_U

ClientSampled :

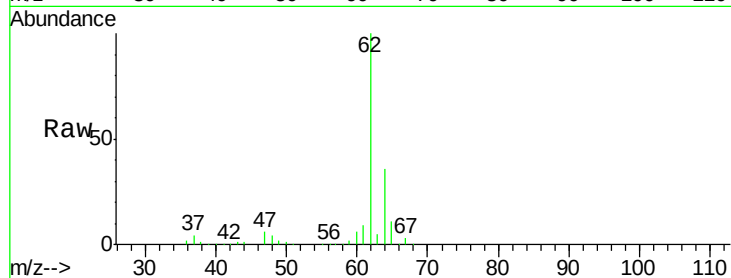
H4275

Tgt Ion: 62 Resp: 395241

Ion Ratio Lower Upper

62 100

64 35.5 25.6 47.4



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.61

400000

300000

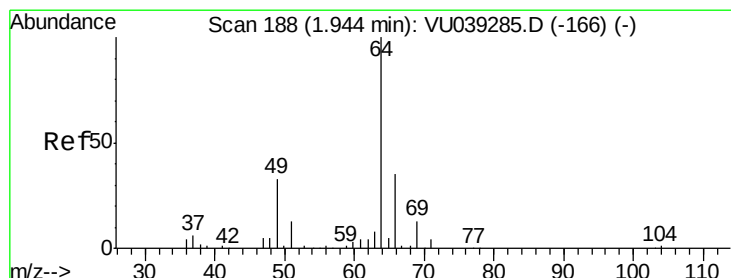
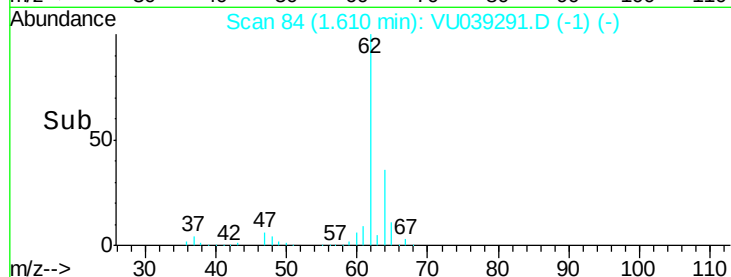
200000

100000

0

Time-->

1.55 1.60 1.65 1.70 1.75



#8

Chloroethane

Concen: 1.016 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU039291.D

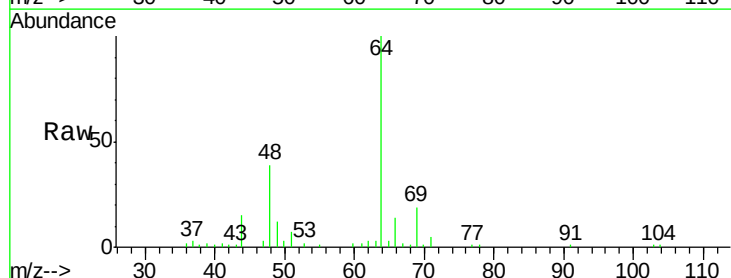
Acq: 06 Jul 2020 15:15

Tgt Ion: 64 Resp: 6228

Ion Ratio Lower Upper

64 100

66 13.8 20.7 38.5#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

1.94

15000

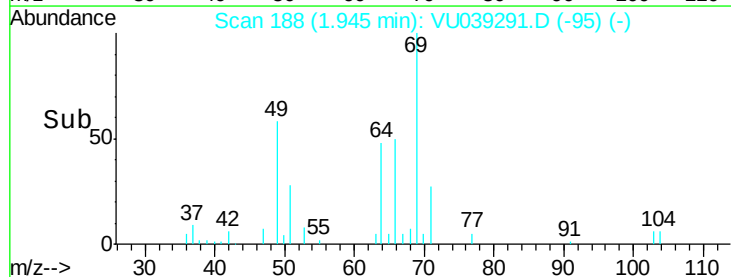
10000

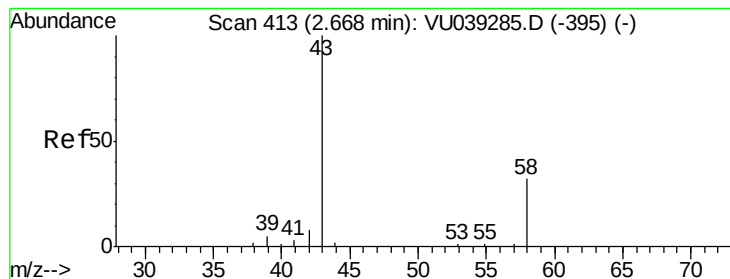
5000

0

Time-->

1.90 1.92 1.94 1.96 1.98





#13

Acetone

Concen: 2.302 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.00 min

Lab File: VU039291.D

Acq: 06 Jul 2020 15:15

Instrument :

MSVOA_U

ClientSampleId :

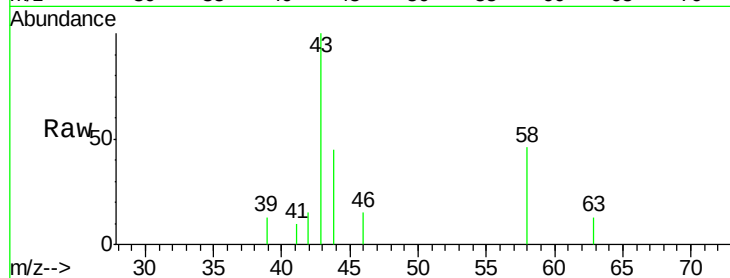
H4275

Tgt Ion: 43 Resp: 3793

Ion Ratio Lower Upper

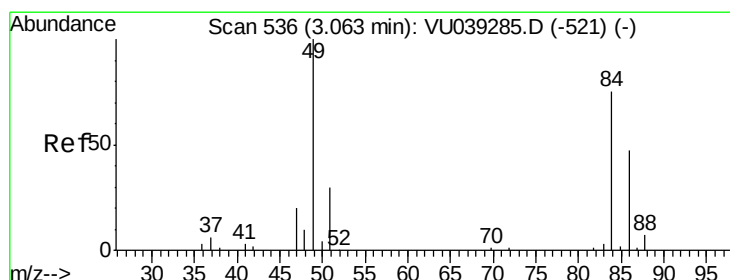
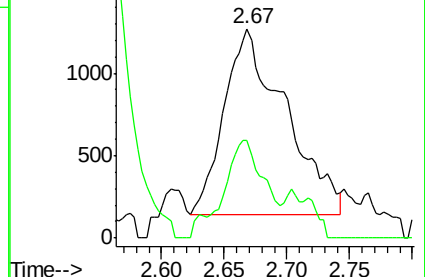
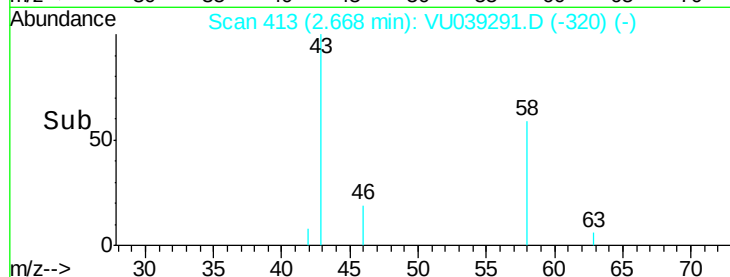
43 100

58 35.6 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU039291.D (-443) (-)

Ion 58.05 (57.75 to 58.75): VU039291.D (-443) (-)



#16

Methylene chloride

Concen: 0.115 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU039291.D

Acq: 06 Jul 2020 15:15

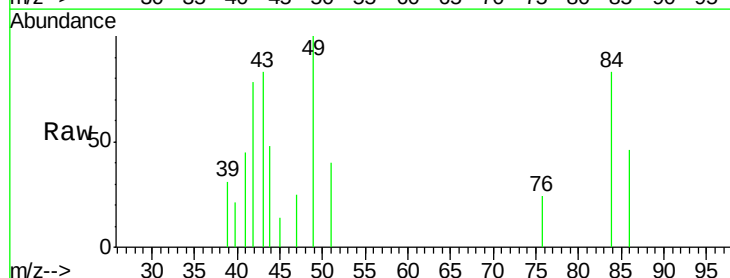
Tgt Ion: 84 Resp: 998

Ion Ratio Lower Upper

84 100

86 55.6 42.6 79.0

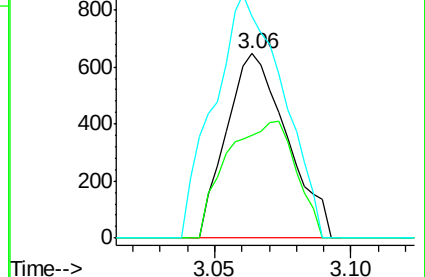
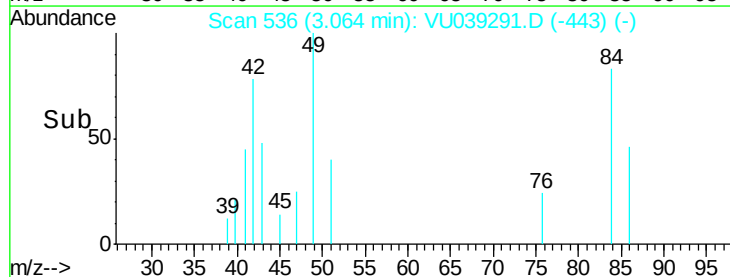
49 120.4 93.0 172.8

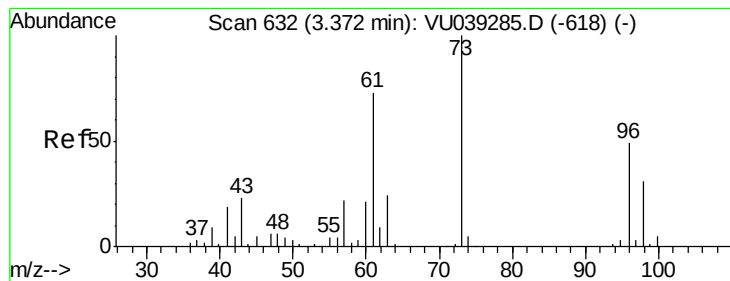


Abundance Ion 84.05 (83.75 to 84.75): VU039291.D (-443) (-)

Ion 86.00 (85.70 to 86.70): VU039291.D (-443) (-)

Ion 49.10 (48.80 to 49.80): VU039291.D (-443) (-)





#18

trans-1,2-Dichloroethene

Concen: 1.880 ug/L

RT: 3.37 min Scan# 632

Delta R.T. 0.00 min

Lab File: VU039291.D

Acq: 06 Jul 2020 15:15

Instrument :

MSVOA_U

ClientSampled :

H4275

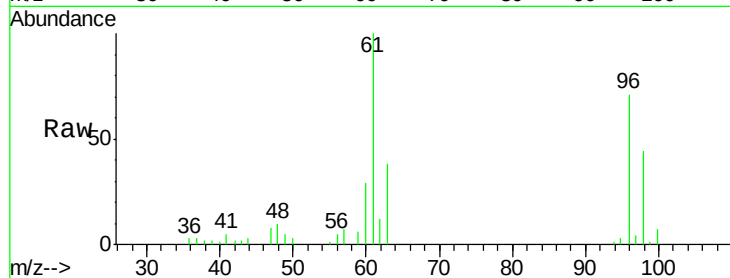
Tgt Ion: 96 Resp: 13912

Ion Ratio Lower Upper

96 100

61 139.9 104.7 194.5

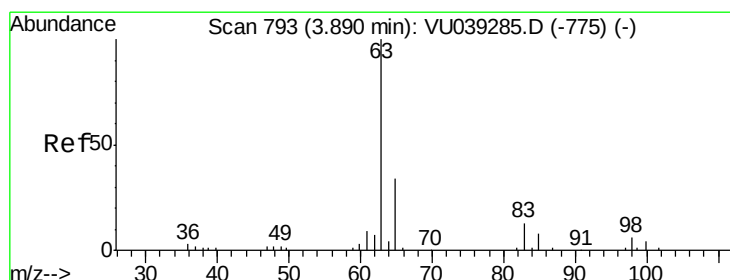
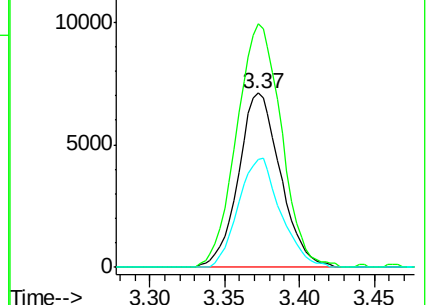
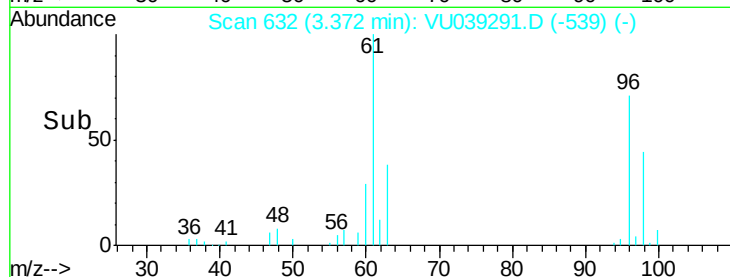
98 62.0 43.1 80.1



Abundance Ion 96.00 (95.70 to 96.70): VU039291.D (-539) (-)

Ion 61.05 (60.75 to 61.75): VU039291.D (-539) (-)

Ion 97.95 (97.65 to 98.65): VU039291.D (-539) (-)



#19

1,1-Dichloroethane

Concen: 2.393 ug/L

RT: 3.89 min Scan# 794

Delta R.T. 0.00 min

Lab File: VU039291.D

Acq: 06 Jul 2020 15:15

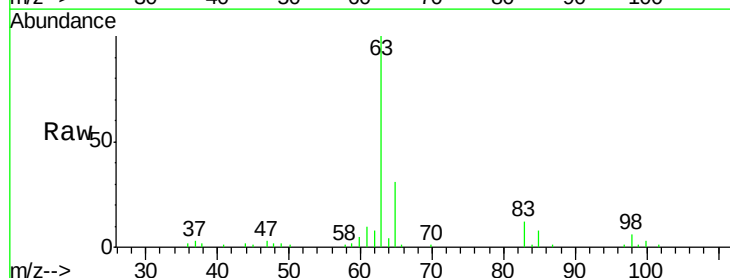
Tgt Ion: 63 Resp: 35479

Ion Ratio Lower Upper

63 100

65 31.7 22.7 42.3

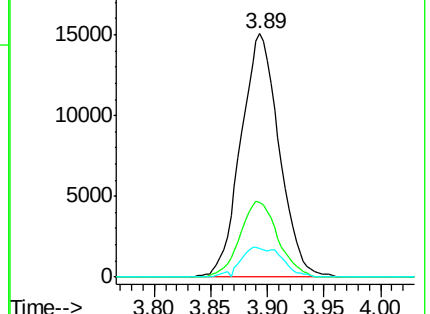
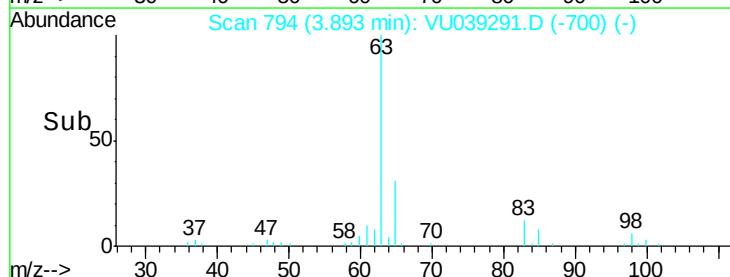
83 12.0 9.1 16.9

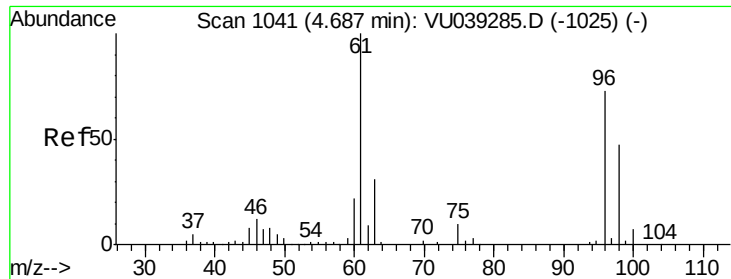


Abundance Ion 63.10 (62.80 to 63.80): VU039291.D (-700) (-)

Ion 65.10 (64.80 to 65.80): VU039291.D (-700) (-)

Ion 83.05 (82.75 to 83.75): VU039291.D (-700) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.046 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU039291.D

Acq: 06 Jul 2020 15:15

Instrument :

MSVOA_U

ClientSampleId :

H4275

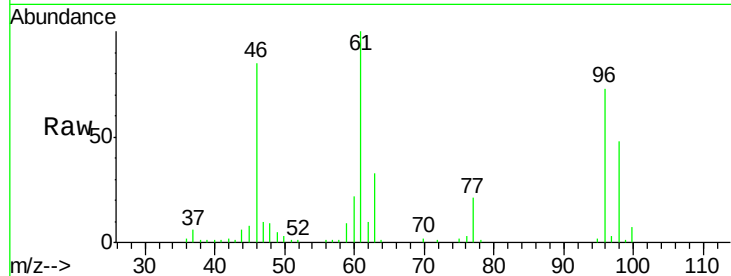
Tgt Ion: 96 Resp: 42551

Ion Ratio Lower Upper

96 100

61 137.8 93.7 173.9

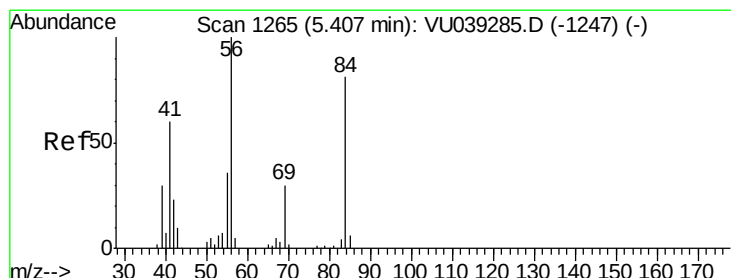
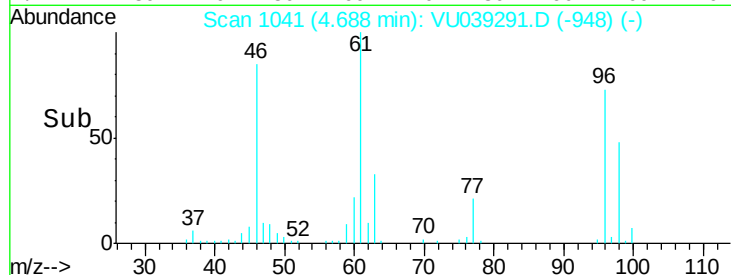
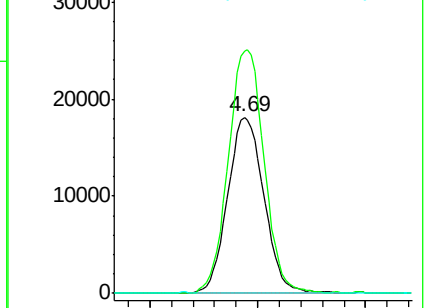
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039291.D (-1172) (-)

Ion 61.05 (60.75 to 61.75): VU039291.D (-1172) (-)

Ion 68.15 (67.85 to 68.85): VU039291.D (-1172) (-)



#30

Cyclohexane

Concen: 0.221 ug/L

RT: 5.40 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VU039291.D

Acq: 06 Jul 2020 15:15

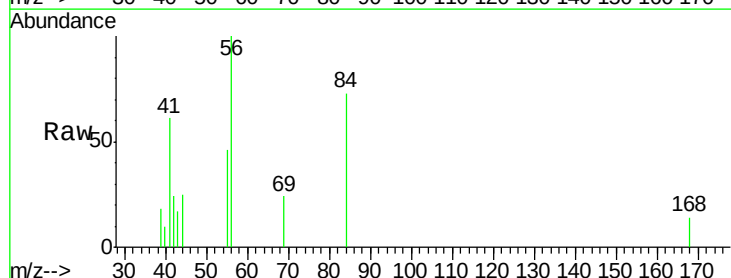
Tgt Ion: 56 Resp: 2812

Ion Ratio Lower Upper

56 100

69 28.1 24.2 36.4

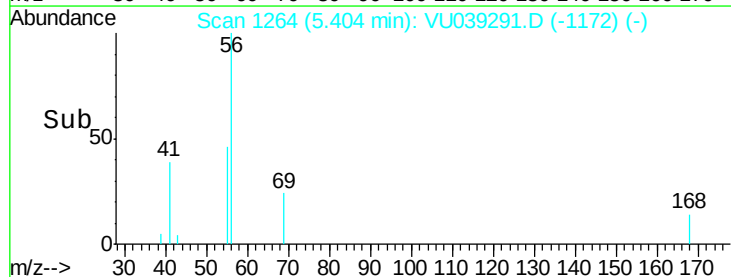
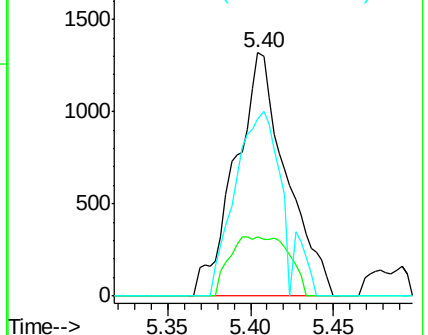
84 64.9 67.0 100.4#

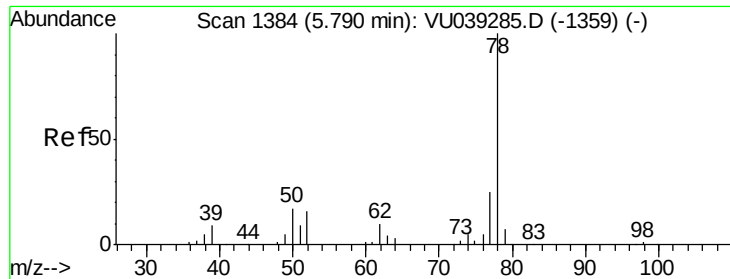


Abundance Ion 56.10 (55.80 to 56.80): VU039291.D (-1172) (-)

Ion 69.15 (68.85 to 69.85): VU039291.D (-1172) (-)

Ion 84.15 (83.85 to 84.85): VU039291.D (-1172) (-)





#33

Benzene

Concen: 0.618 ug/L

RT: 5.79 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VU039291.D

Acq: 06 Jul 2020 15:15

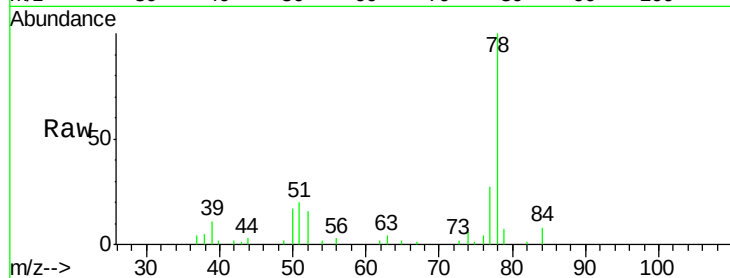
Instrument :

MSVOA_U

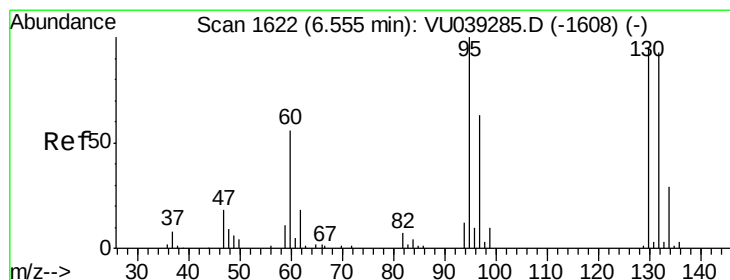
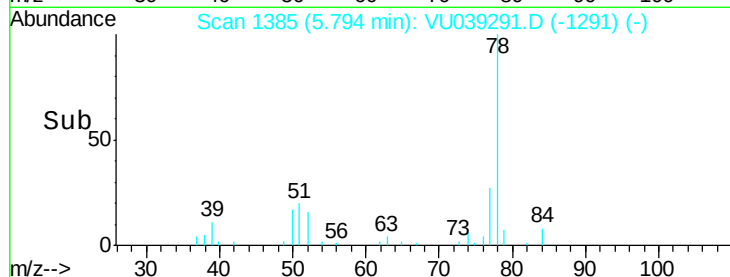
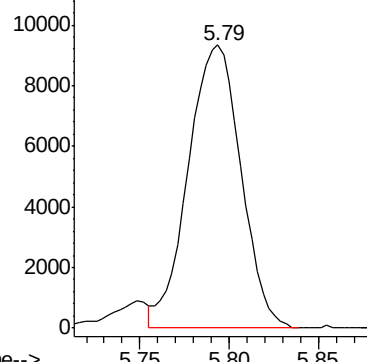
ClientSampled :

H4275

Tgt Ion: 78 Resp: 19285



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.725 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039291.D

Acq: 06 Jul 2020 15:15

Tgt Ion: 95 Resp: 5834

Ion	Ratio	Lower	Upper
95	100		
97	72.1	47.0	87.2
132	89.8	65.0	120.8
130	101.6	69.8	129.6

95 100

97 72.1 47.0 87.2

132 89.8 65.0 120.8

130 101.6 69.8 129.6

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

