

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070620\
 Data File : VU039290.D
 Acq On : 06 Jul 2020 14:51
 Operator : SY/MD
 Sample : L3193-08MSD
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4296MSD

Quant Time: Jul 07 01:49:40 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	122067	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	116484	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	55437	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	46489	4.95	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.00%
7) Chloroethane-d5	1.93	69	40064	4.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.20%
11) 1,1-Dichloroethene-d2	2.58	63	87109	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.80%
20) 2-Butanone-d5	4.66	46	168956	47.75	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.50%
24) Chloroform-d	5.09	84	85634	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	5.72	65	52182	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
32) Benzene-d6	5.75	84	172231	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
36) 1,2-Dichloropropane-d6	6.70	67	58161	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.60%
41) Toluene-d8	7.91	98	158242	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
43) trans-1,3-Dichloropropene-	8.19	79	22280	4.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.80%
46) 2-Hexanone-d5	8.64	63	139827	48.17	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.34%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	51250	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	60062	4.80	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.00%

Target Compounds

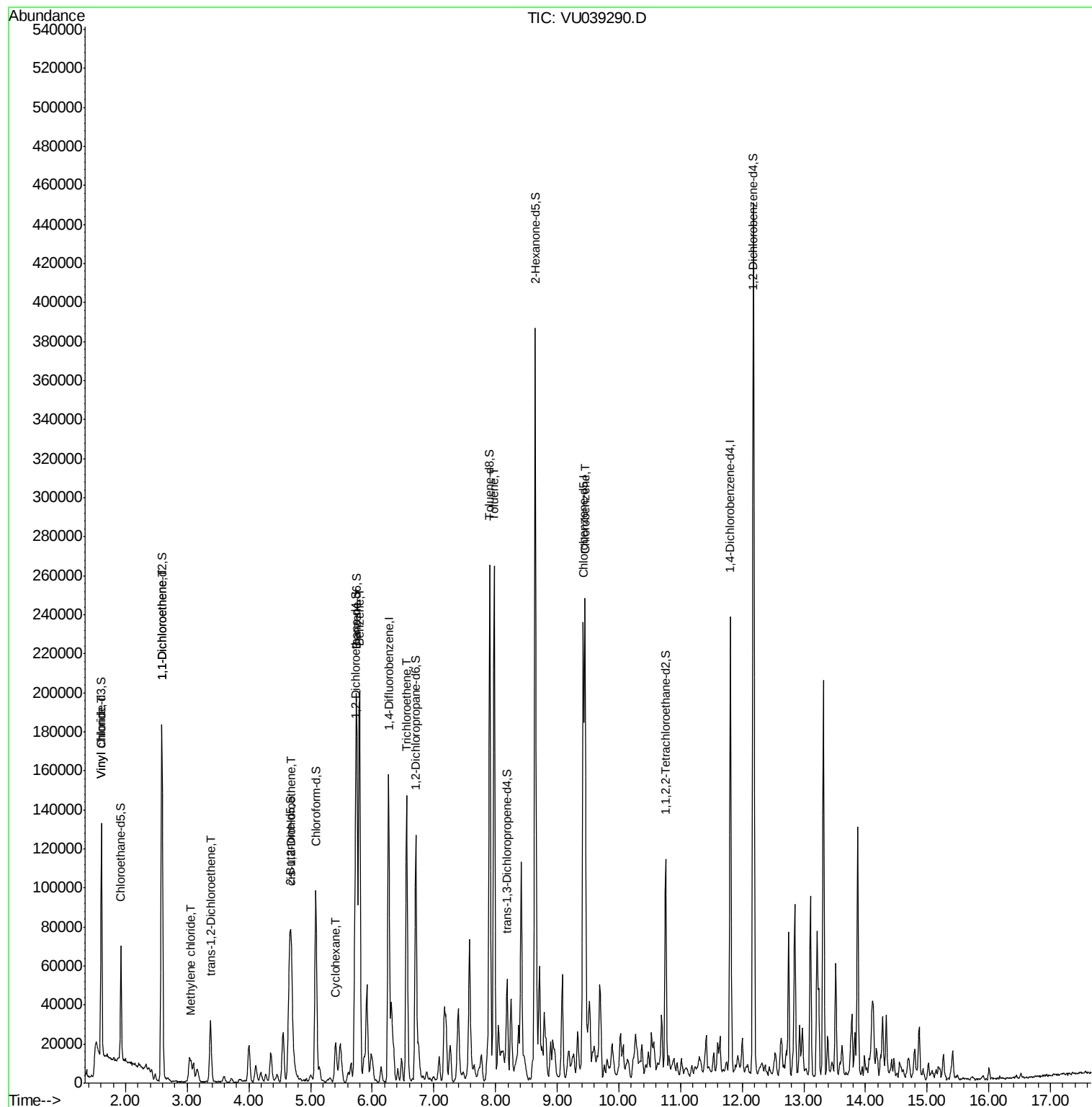
					Ovalue
5) Vinyl chloride	1.61	62	38859	4.273	ug/L # 81
12) 1,1-Dichloroethene	2.59	96	35156	5.084	ug/L 92
16) Methylene chloride	3.06	84	1468	0.167	ug/L 92
18) trans-1,2-Dichloroethene	3.37	96	6070	0.807	ug/L 90
22) cis-1,2-Dichloroethene	4.69	96	13009	1.519	ug/L 99
30) Cyclohexane	5.41	56	10750	0.802	ug/L # 93
33) Benzene	5.79	78	180279	5.491	ug/L 100
34) Trichloroethene	6.56	95	42912	5.070	ug/L 94
42) Toluene	7.98	91	182855	5.117	ug/L 99
51) Chlorobenzene	9.45	112	108595	4.914	ug/L 96

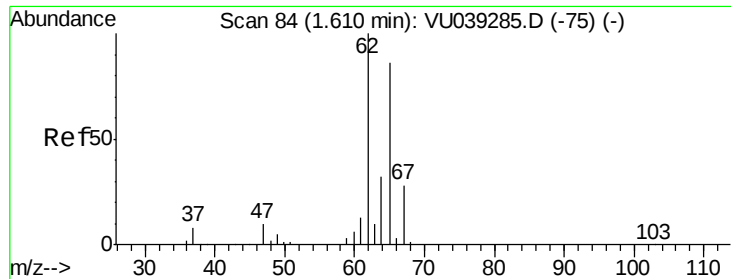
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 4.273 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039290.D

Acq: 06 Jul 2020 14:51

Instrument :

MSVOA_U

ClientSampleId :

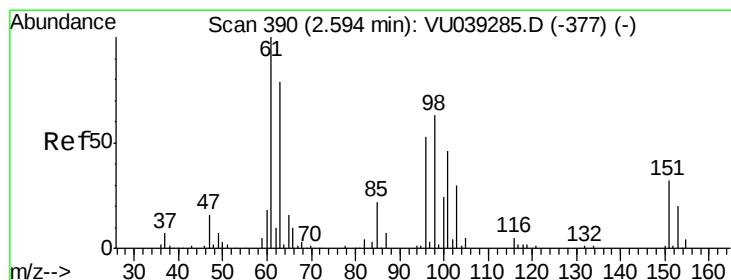
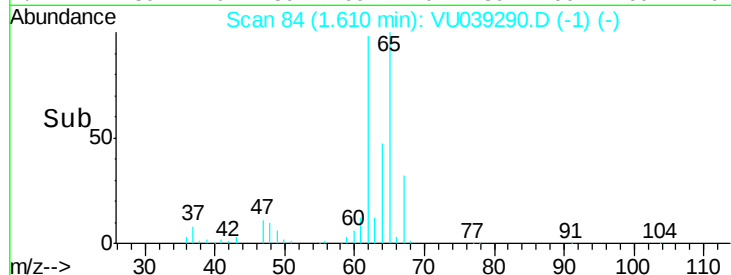
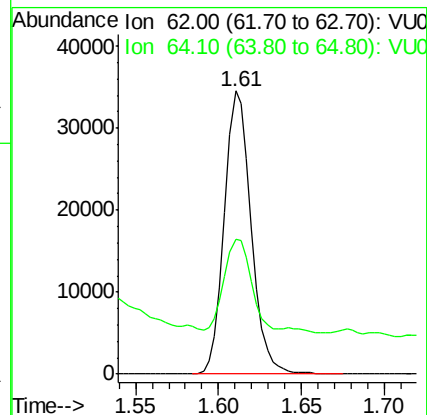
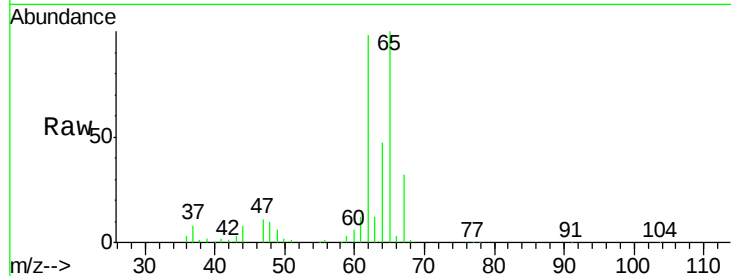
H4296MSD

Tot Ion: 62 Resp: 38859

Ion Ratio Lower Upper

62 100

64 47.8 25.6 47.4#



#12

1,1-Dichloroethene

Concen: 5.084 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039290.D

Acq: 06 Jul 2020 14:51

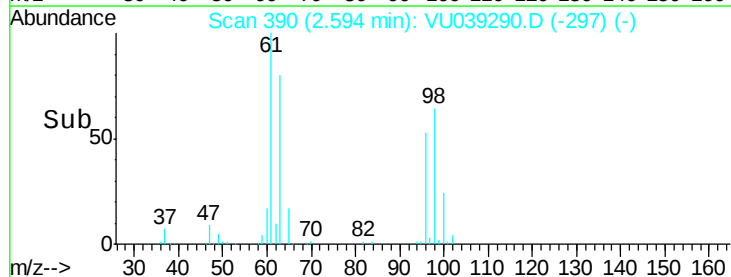
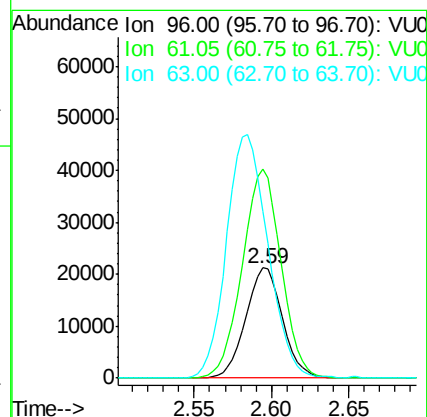
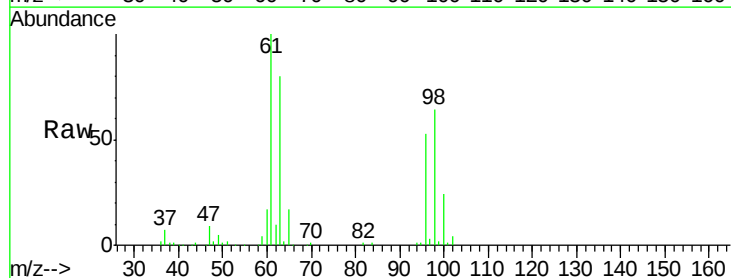
Tgt Ion: 96 Resp: 35156

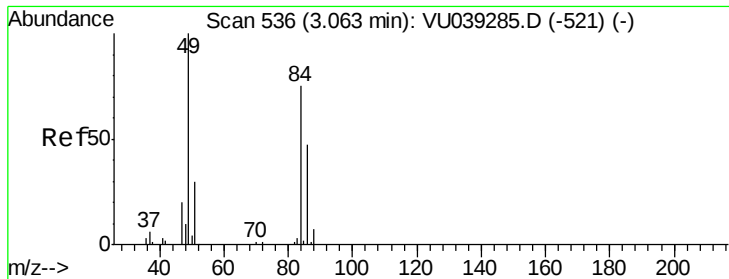
Ion Ratio Lower Upper

96 100

61 190.1 123.8 230.0

63 151.2 112.1 208.3

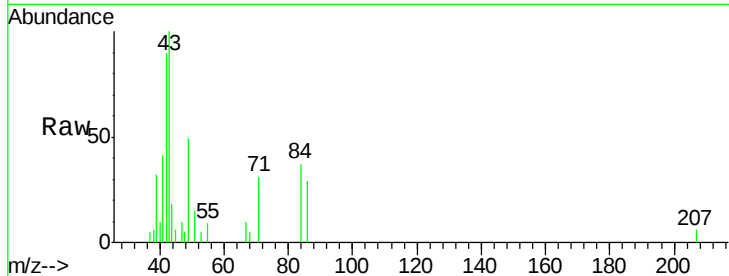




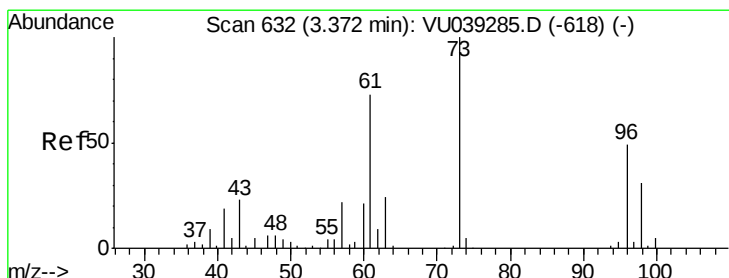
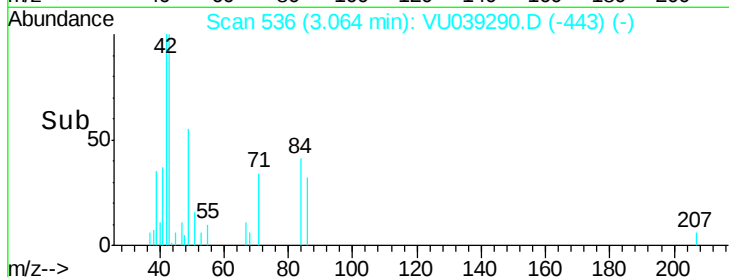
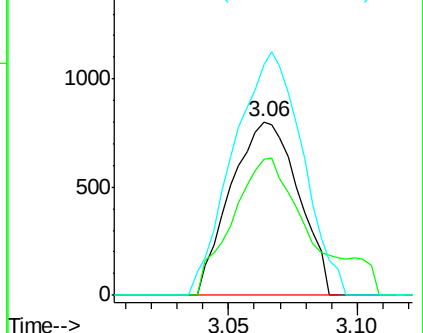
#16
Methvlene chloride
Concen: 0.167 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU039290.D
Acq: 06 Jul 2020 14:51

Instrument :
MSVOA_U
ClientSampleId :
H4296MSD

Tot Ion: 84 Resp: 1468
Ion Ratio Lower Upper
84 100
86 78.6 42.6 79.0
49 132.5 93.0 172.8

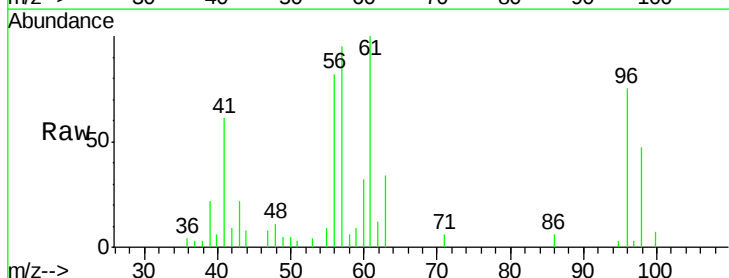


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

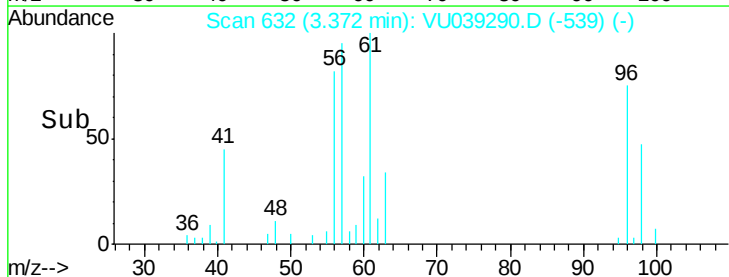
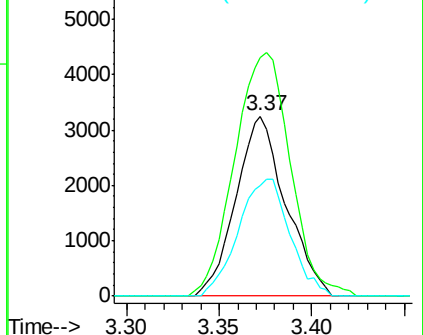


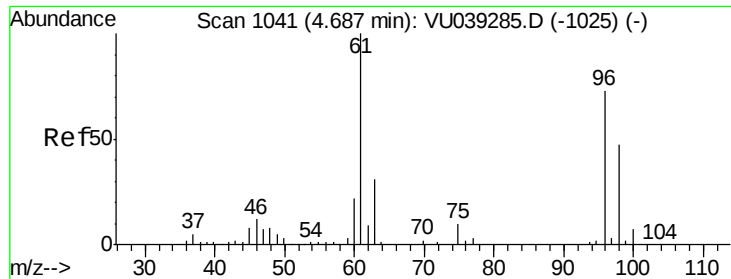
#18
trans-1,2-Dichloroethene
Concen: 0.807 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU039290.D
Acq: 06 Jul 2020 14:51

Tgt Ion: 96 Resp: 6070
Ion Ratio Lower Upper
96 100
61 132.6 104.7 194.5
98 61.7 43.1 80.1



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: 1.519 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU039290.D

Acq: 06 Jul 2020 14:51

Instrument :

MSVOA_U

ClientSampleId :

H4296MSD

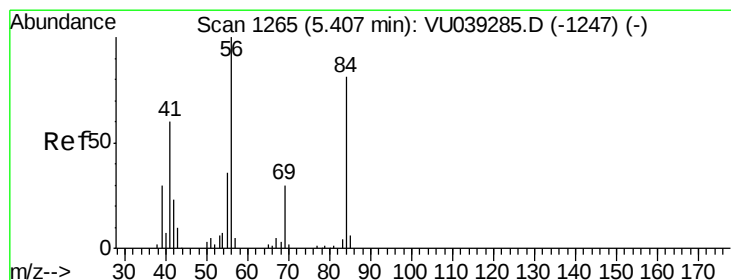
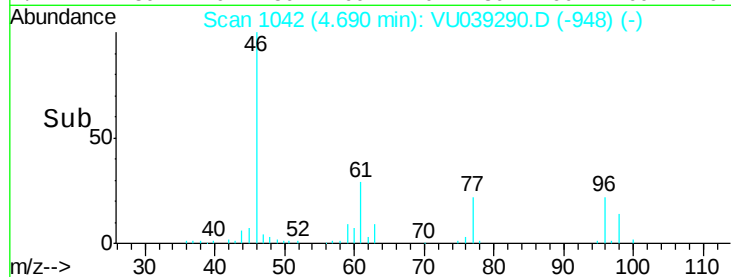
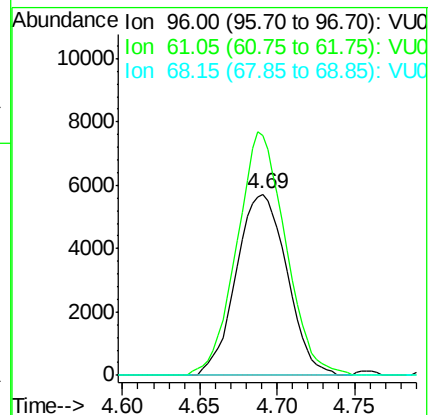
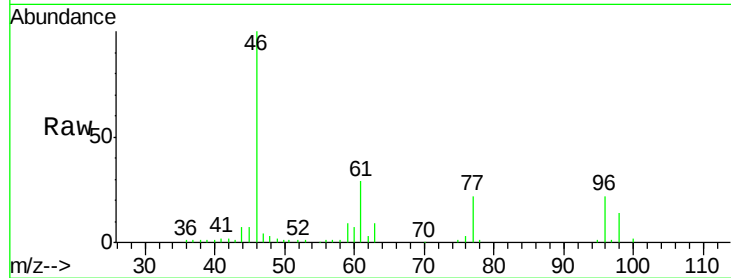
Tot Ion: 96 Resp: 13009

Ion Ratio Lower Upper

96 100

61 132.8 93.7 173.9

68 0.0 0.0 0.0



#30

Cyclohexane

Concen: 0.802 ug/L

RT: 5.41 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VU039290.D

Acq: 06 Jul 2020 14:51

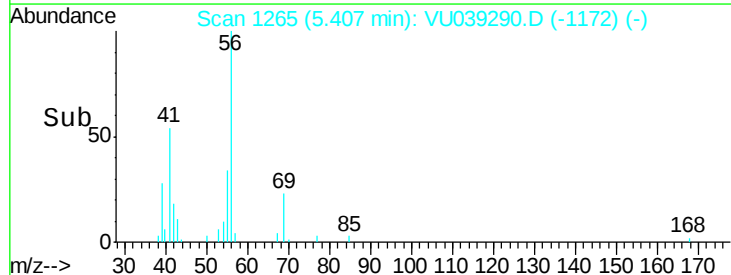
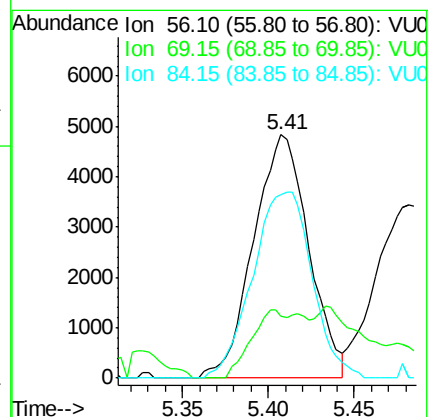
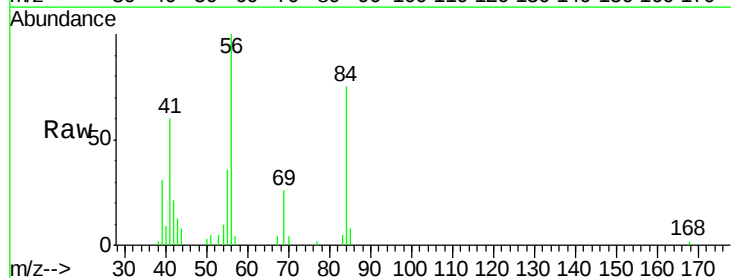
Tgt Ion: 56 Resp: 10750

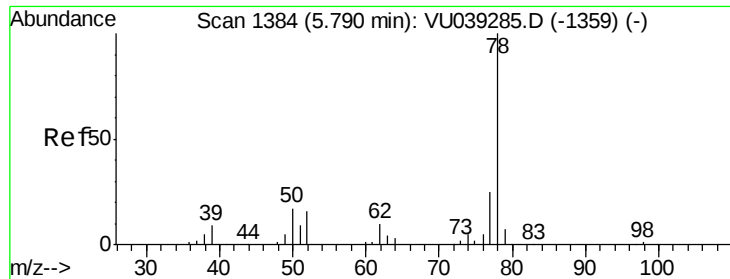
Ion Ratio Lower Upper

56 100

69 17.8 24.2 36.4#

84 82.6 67.0 100.4





#33

Benzene

Concen: 5.491 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU039290.D

Acq: 06 Jul 2020 14:51

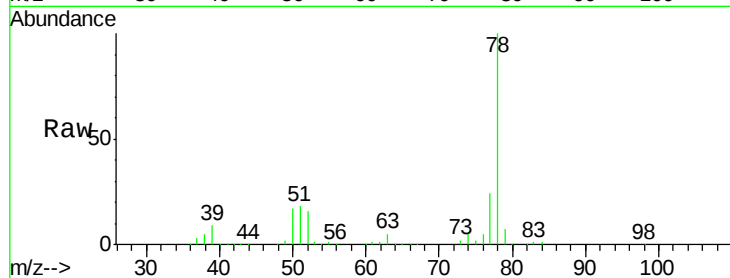
Instrument :

MSVOA_U

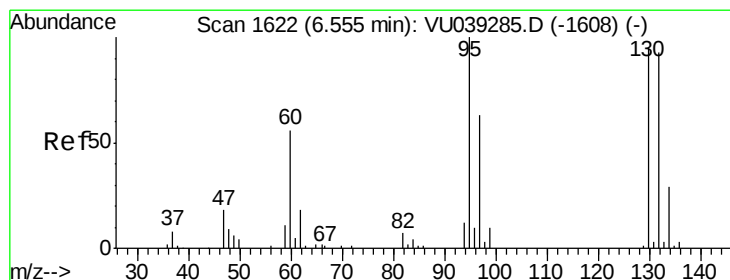
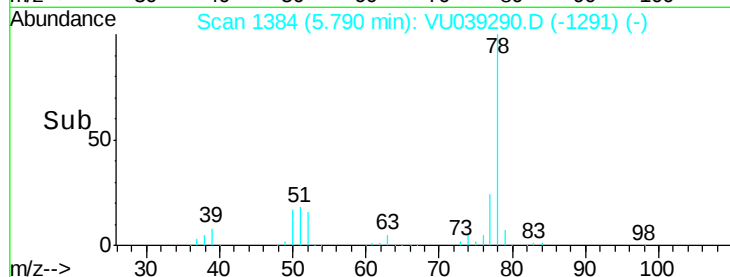
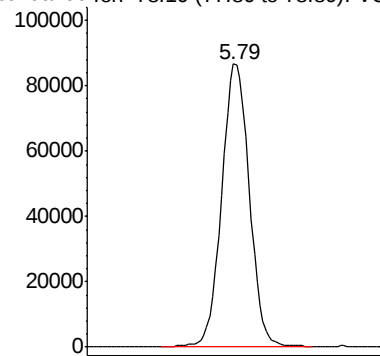
ClientSampleId :

H4296MSD

Tgt Ion: 78 Resp: 180279



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 5.070 ug/L

RT: 6.56 min Scan# 1623

Delta R.T. 0.00 min

Lab File: VU039290.D

Acq: 06 Jul 2020 14:51

Tgt Ion: 95 Resp: 42912

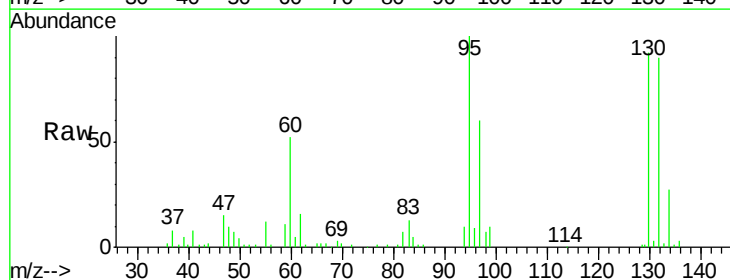
Ion	Ratio	Lower	Upper
95	100		
97	60.4	47.0	87.2
132	90.5	65.0	120.8
130	91.7	69.8	129.6

95 100

97 60.4 47.0 87.2

132 90.5 65.0 120.8

130 91.7 69.8 129.6

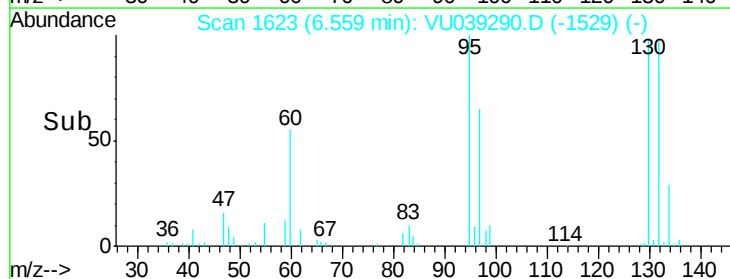
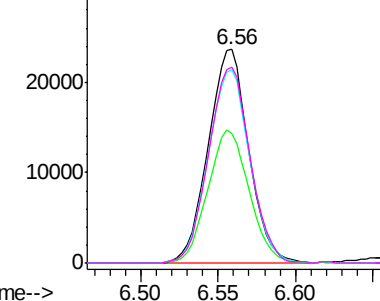


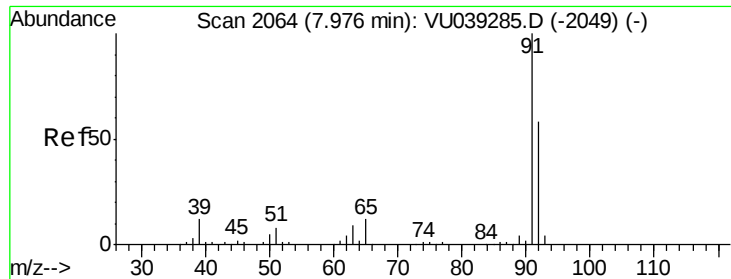
Abundance Ion 95.00 (94.70 to 95.70): VU0

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





#42

Toluene

Concen: 5.117 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU039290.D

Acq: 06 Jul 2020 14:51

Instrument :

MSVOA_U

ClientSampleId :

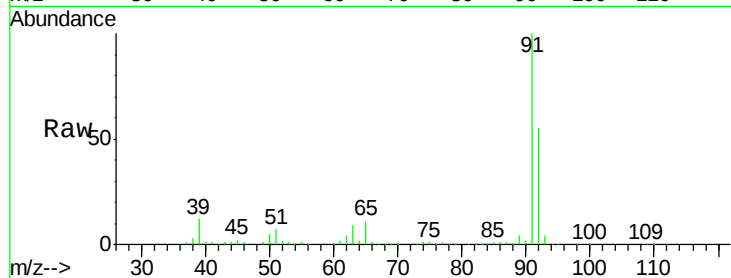
H4296MSD

Tot Ion: 91 Resp: 182855

Ion Ratio Lower Upper

91 100

92 55.2 39.3 72.9



Abundance Ion 91.15 (90.85 to 91.85): VU039285.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU039285.D (-2049) (-)

7.98

120000

100000

80000

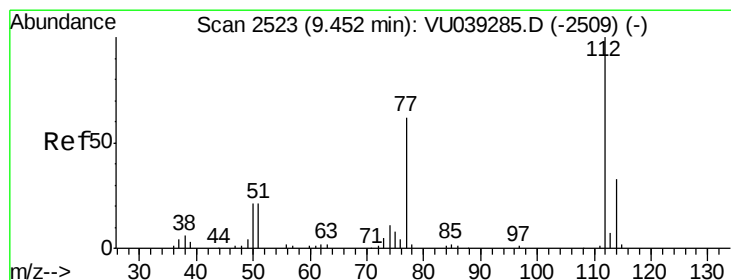
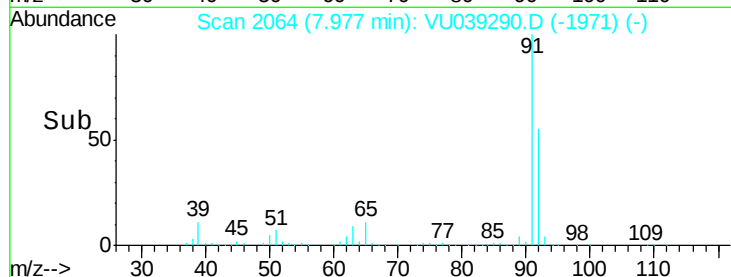
60000

40000

20000

0

Time-->



#51

Chlorobenzene

Concen: 4.914 ug/L

RT: 9.45 min Scan# 2523

Delta R.T. 0.00 min

Lab File: VU039290.D

Acq: 06 Jul 2020 14:51

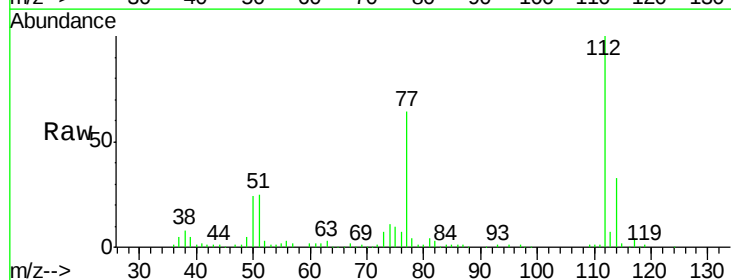
Tgt Ion: 112 Resp: 108595

Ion Ratio Lower Upper

112 100

114 33.2 21.9 40.7

77 63.5 48.2 72.4



Abundance Ion 112.10 (111.80 to 112.80): VU039285.D (-2509) (-)

Ion 114.05 (113.75 to 114.75): VU039285.D (-2509) (-)

Ion 77.10 (76.80 to 77.80): VU039285.D (-2509) (-)

9.45

80000

60000

40000

20000

0

Time-->

