

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070620\
 Data File : VU039297.D
 Acq On : 06 Jul 2020 17:33
 Operator : SY/MD
 Sample : L3193-11
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4270

Quant Time: Jul 07 02:36:49 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	6.26	114	120787	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	110173	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	53120	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	48159	5.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.60%
7) Chloroethane-d5	1.92	69	39888	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.80%
11) 1,1-Dichloroethene-d2	2.58	63	66942	3.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.60%
20) 2-Butanone-d5	4.66	46	190383	54.38	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.76%
24) Chloroform-d	5.08	84	90037	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	5.72	65	56365	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
32) Benzene-d6	5.75	84	181136	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.00%
36) 1,2-Dichloropropane-d6	6.71	67	60823	5.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.00%
41) Toluene-d8	7.91	98	162304	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
43) trans-1,3-Dichloropropene-	8.19	79	25165	4.83	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.60%
46) 2-Hexanone-d5	8.64	63	147480	53.71	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.42%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	55212	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	61138	5.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

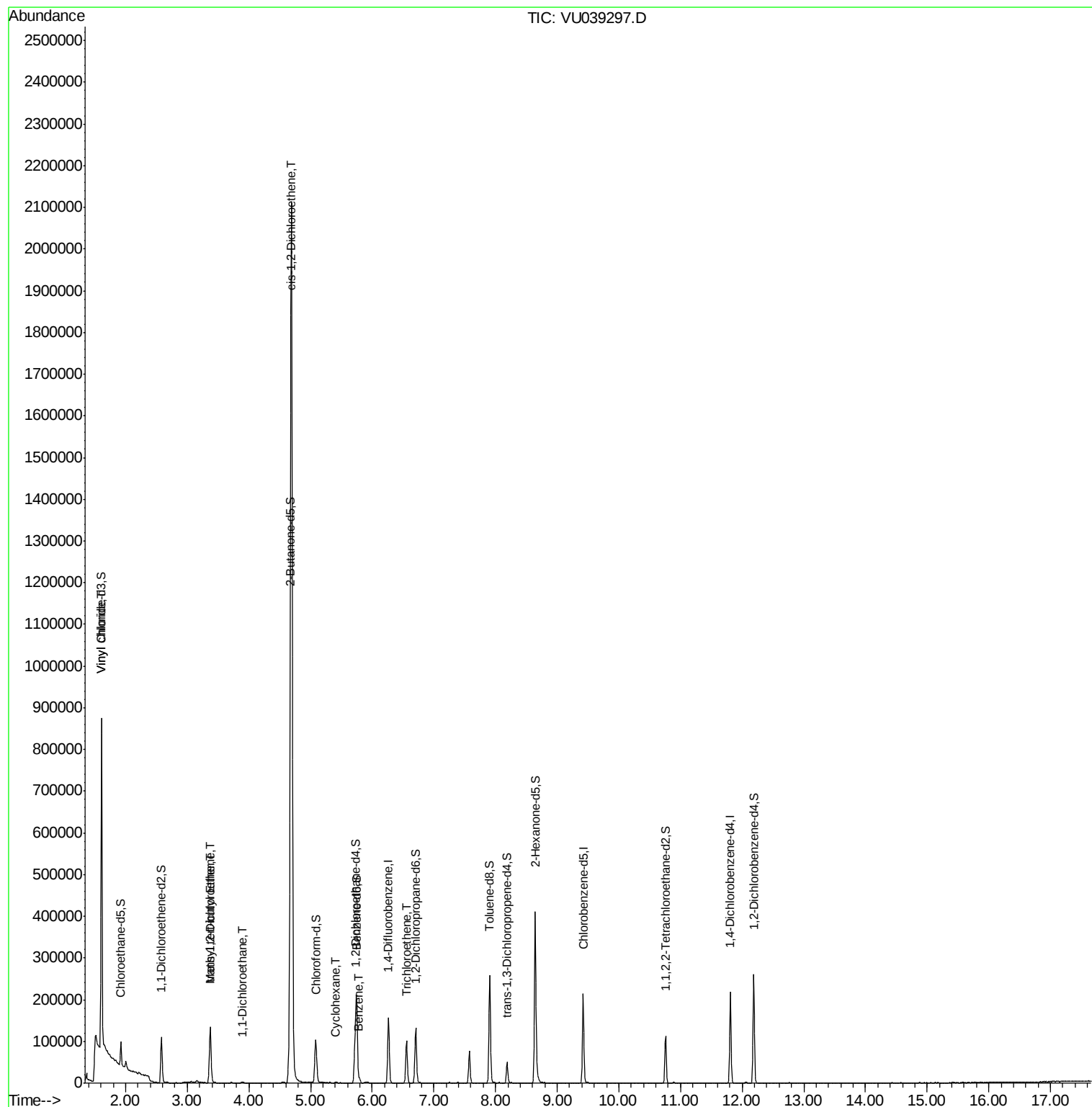
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	463191	51.471	ug/L	88
17) Methyl tert-butyl Ether	3.39	73	4195	0.186	ug/L #	58
18) trans-1,2-Dichloroethene	3.37	96	50611	6.803	ug/L	98
19) 1,1-Dichloroethane	3.89	63	3919	0.263	ug/L	93
22) cis-1,2-Dichloroethene	4.69	96	1013061	119.513	ug/L	97
30) Cyclohexane	5.40	56	1522	0.120	ug/L #	71
33) Benzene	5.79	78	9300	0.300	ug/L	100
34) Trichloroethene	6.56	95	32350	4.041	ug/L	97

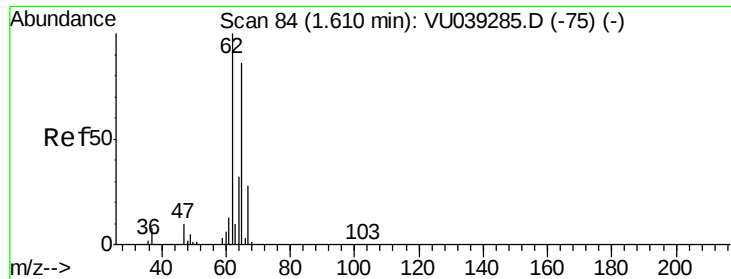
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 51.471 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039297.D

Acq: 06 Jul 2020 17:33

Instrument :

MSVOA_U

ClientSampleId :

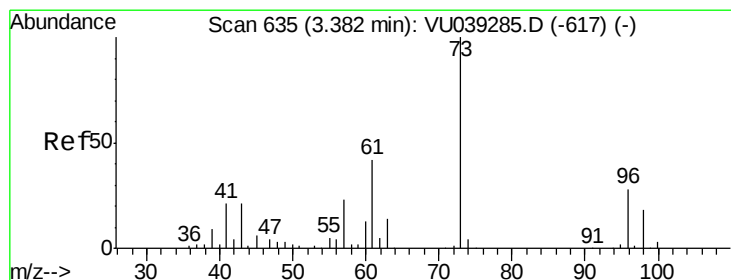
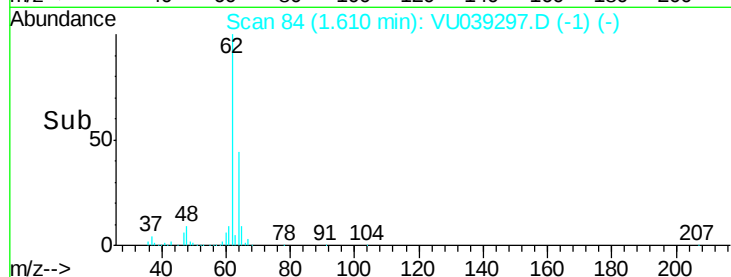
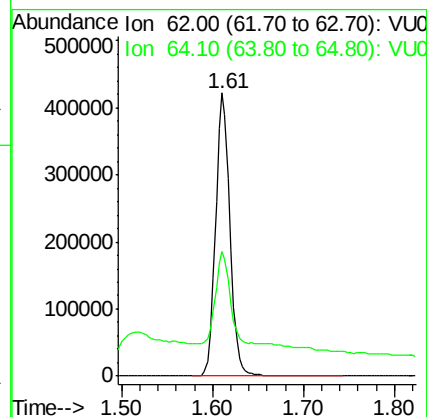
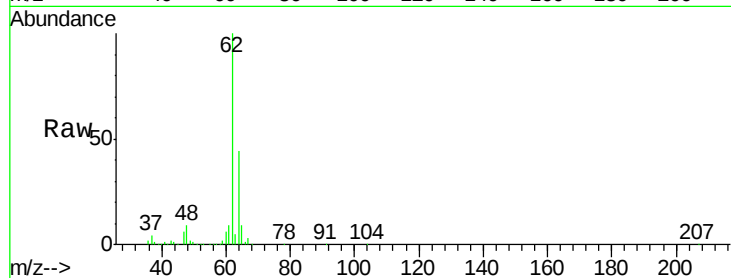
H4270

Tot Ion: 62 Resp: 463191

Ion Ratio Lower Upper

62 100

64 43.9 25.6 47.4



#17

Methyl tert-butyl Ether

Concen: 0.186 ug/L

RT: 3.39 min Scan# 636

Delta R.T. 0.00 min

Lab File: VU039297.D

Acq: 06 Jul 2020 17:33

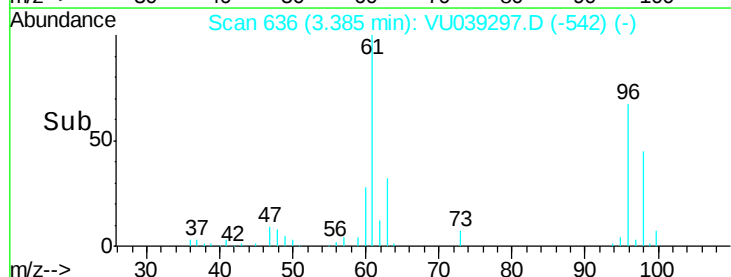
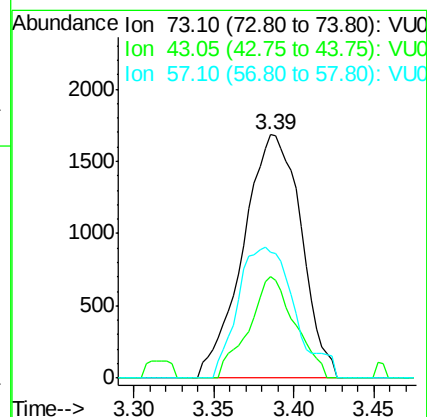
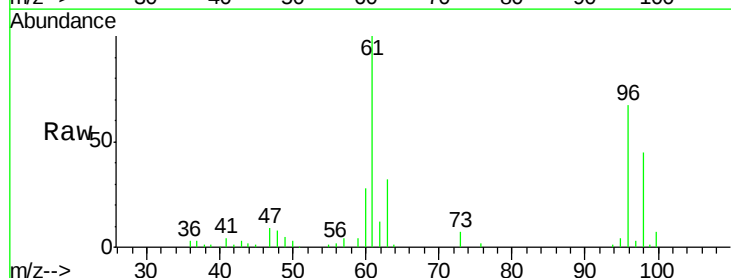
Tgt Ion: 73 Resp: 4195

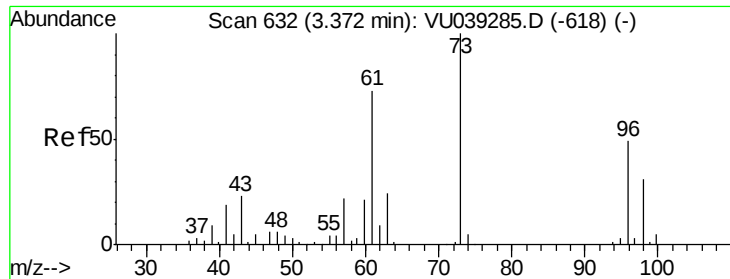
Ion Ratio Lower Upper

73 100

43 33.0 17.5 26.3#

57 52.1 18.6 27.8#

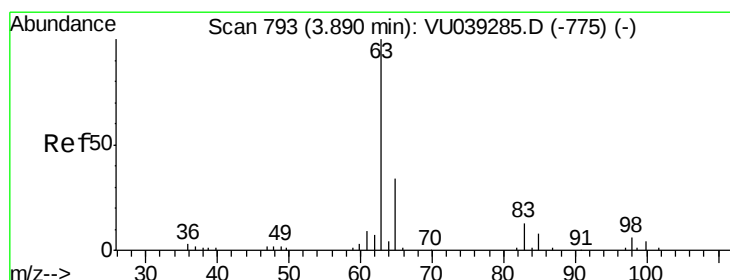
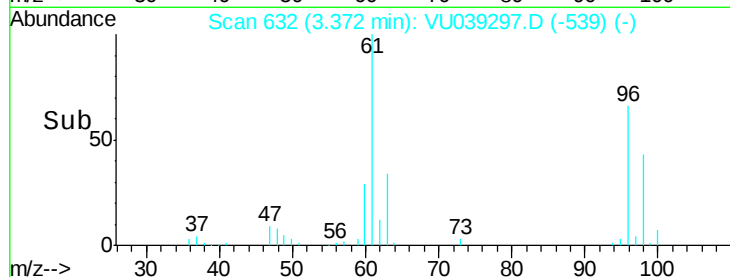
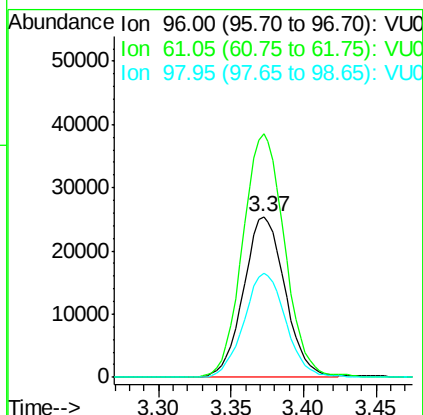
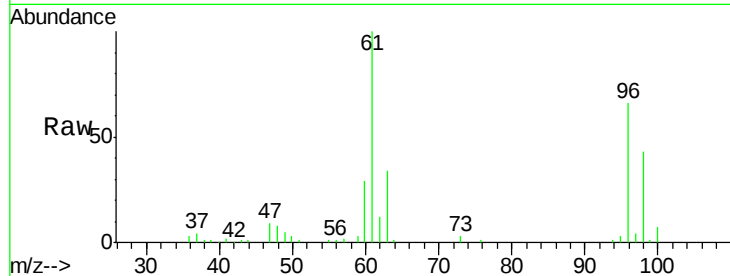




#18
trans-1,2-Dichloroethene
Concen: 6.803 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU039297.D
Acq: 06 Jul 2020 17:33

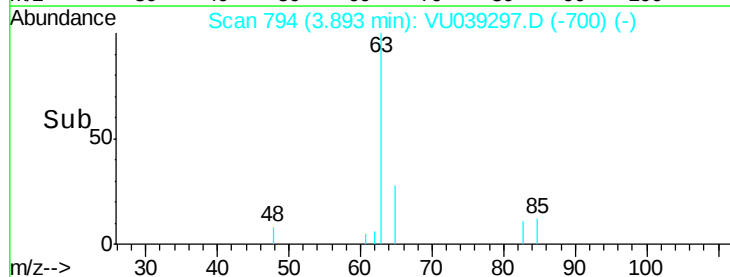
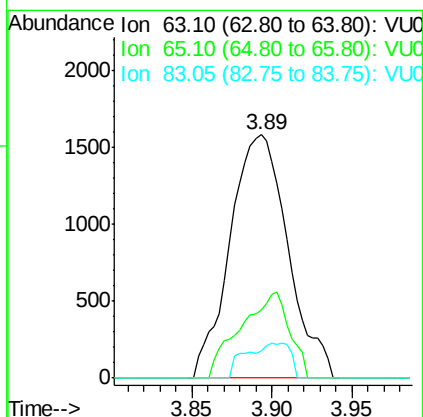
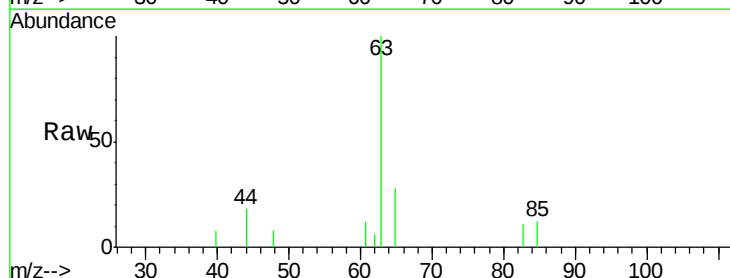
Instrument :
MSVOA_U
ClientSampleId :
H4270

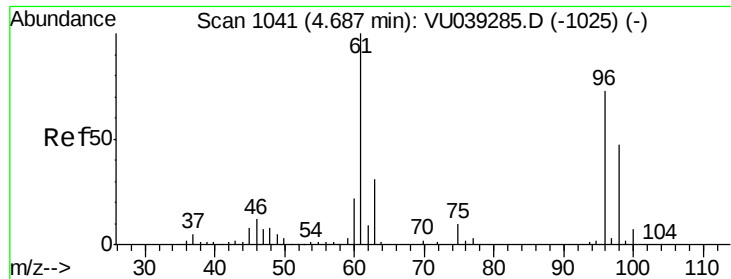
Tot Ion: 96 Resp: 50611
Ion Ratio Lower Upper
96 100
61 151.5 104.7 194.5
98 64.5 43.1 80.1



#19
1,1-Dichloroethane
Concen: 0.263 ug/L
RT: 3.89 min Scan# 794
Delta R.T. 0.00 min
Lab File: VU039297.D
Acq: 06 Jul 2020 17:33

Tgt Ion: 63 Resp: 3919
Ion Ratio Lower Upper
63 100
65 28.3 22.7 42.3
83 11.3 9.1 16.9





#22

cis-1,2-Dichloroethene

Concen: 119.513 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU039297.D

Acq: 06 Jul 2020 17:33

Instrument :

MSVOA_U

ClientSampleId :

H4270

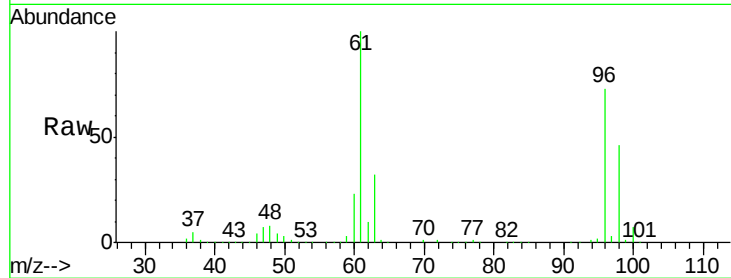
Tot Ion: 96 Resp: 1013061

Ion Ratio Lower Upper

96 100

61 137.9 93.7 173.9

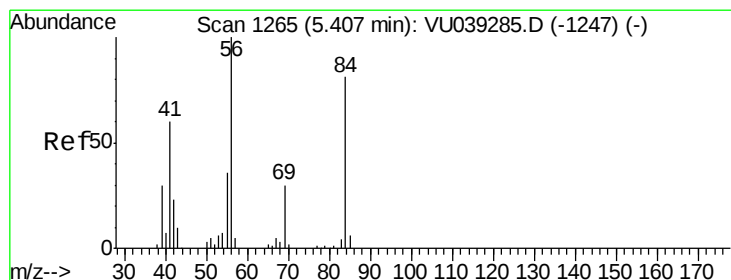
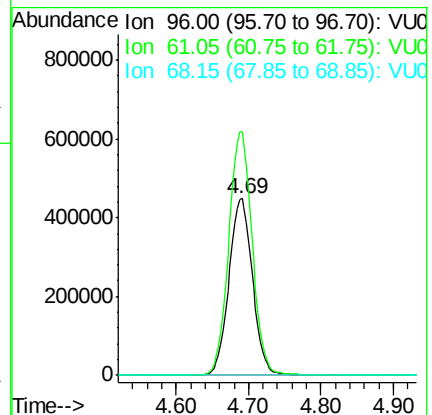
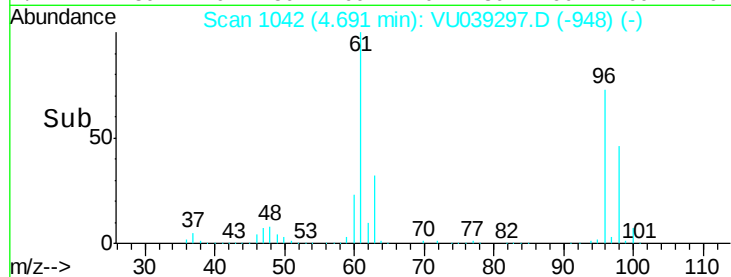
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039285.D (-1025) (-)

Ion 61.05 (60.75 to 61.75): VU039285.D (-1025) (-)

Ion 68.15 (67.85 to 68.85): VU039285.D (-1025) (-)



#30

Cyclohexane

Concen: 0.120 ug/L

RT: 5.40 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VU039297.D

Acq: 06 Jul 2020 17:33

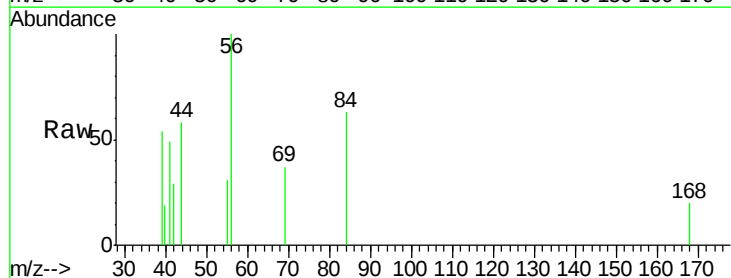
Tgt Ion: 56 Resp: 1522

Ion Ratio Lower Upper

56 100

69 36.2 24.2 36.4

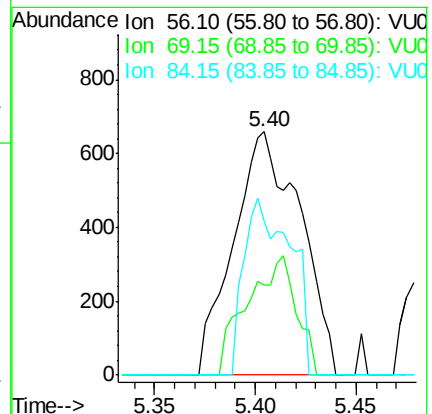
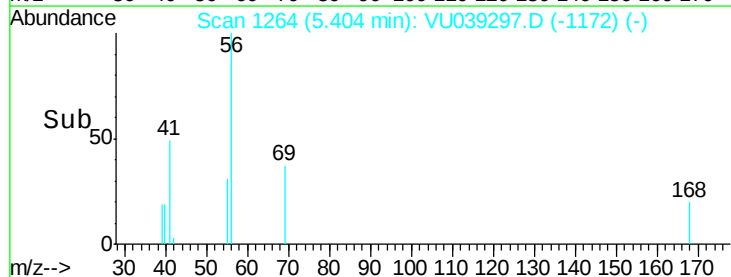
84 51.4 67.0 100.4#

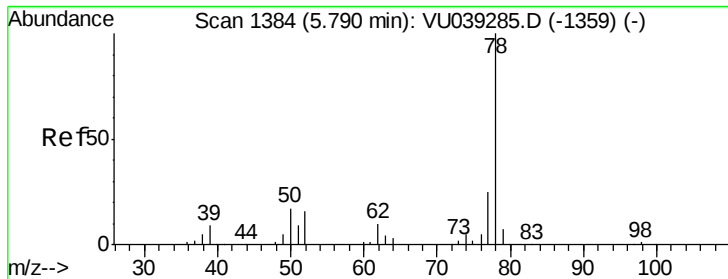


Abundance Ion 56.10 (55.80 to 56.80): VU039285.D (-1247) (-)

Ion 69.15 (68.85 to 69.85): VU039285.D (-1247) (-)

Ion 84.15 (83.85 to 84.85): VU039285.D (-1247) (-)





#33

Benzene

Concen: 0.300 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU039297.D

Acq: 06 Jul 2020 17:33

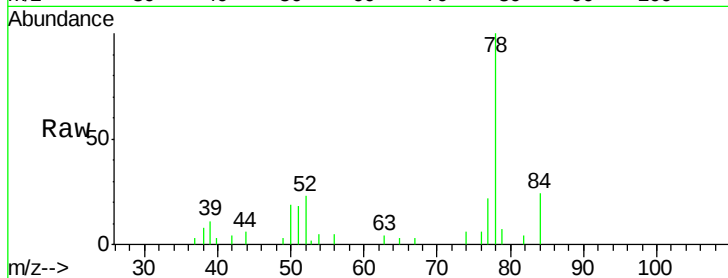
Instrument :

MSVOA_U

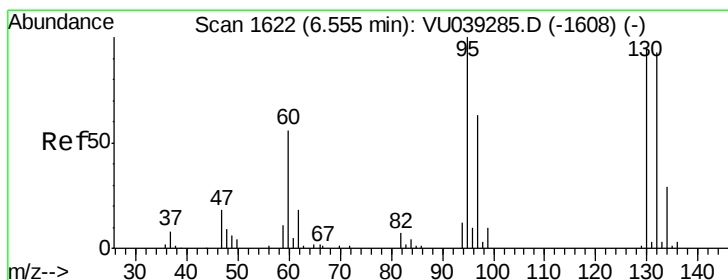
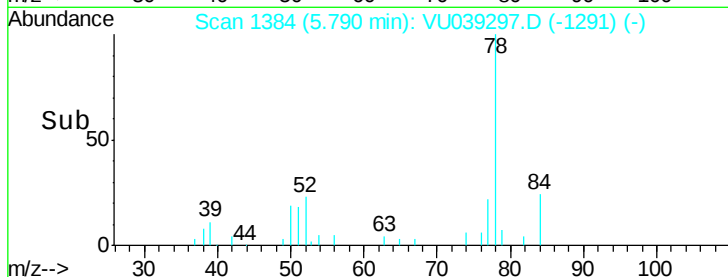
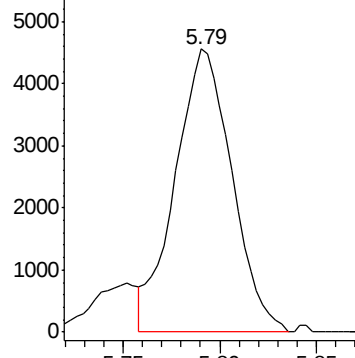
ClientSampleId :

H4270

Tgt Ion: 78 Resp: 9300



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 4.041 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039297.D

Acq: 06 Jul 2020 17:33

Tgt Ion: 95 Resp: 32350

Ion	Ratio	Lower	Upper
95	100		
97	64.9	47.0	87.2
132	91.2	65.0	120.8
130	94.9	69.8	129.6

Ion 95 100

97 64.9 47.0 87.2

132 91.2 65.0 120.8

130 94.9 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): VU0

Ion 129.95 (129.65 to 130.65): VU0

