

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070620\
 Data File : VU039295.D
 Acq On : 06 Jul 2020 16:47
 Operator : SY/MD
 Sample : L3193-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4285

Quant Time: Jul 07 02:11:19 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	119829	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	113696	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	51740	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	44287	4.81	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.20%
7) Chloroethane-d5	1.93	69	37288	4.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.60%
11) 1,1-Dichloroethene-d2	2.58	63	62919	3.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.40%
20) 2-Butanone-d5	4.66	46	175172	50.43	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.86%
24) Chloroform-d	5.09	84	78223	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
26) 1,2-Dichloroethane-d4	5.72	65	49282	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
32) Benzene-d6	5.74	84	162838	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
36) 1,2-Dichloropropane-d6	6.71	67	52456	4.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.20%
41) Toluene-d8	7.91	98	147842	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
43) trans-1,3-Dichloropropene-	8.19	79	21808	4.06	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.20%
46) 2-Hexanone-d5	8.64	63	133741	47.20	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.40%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	48909	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	55134	4.72	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.40%

Target Compounds

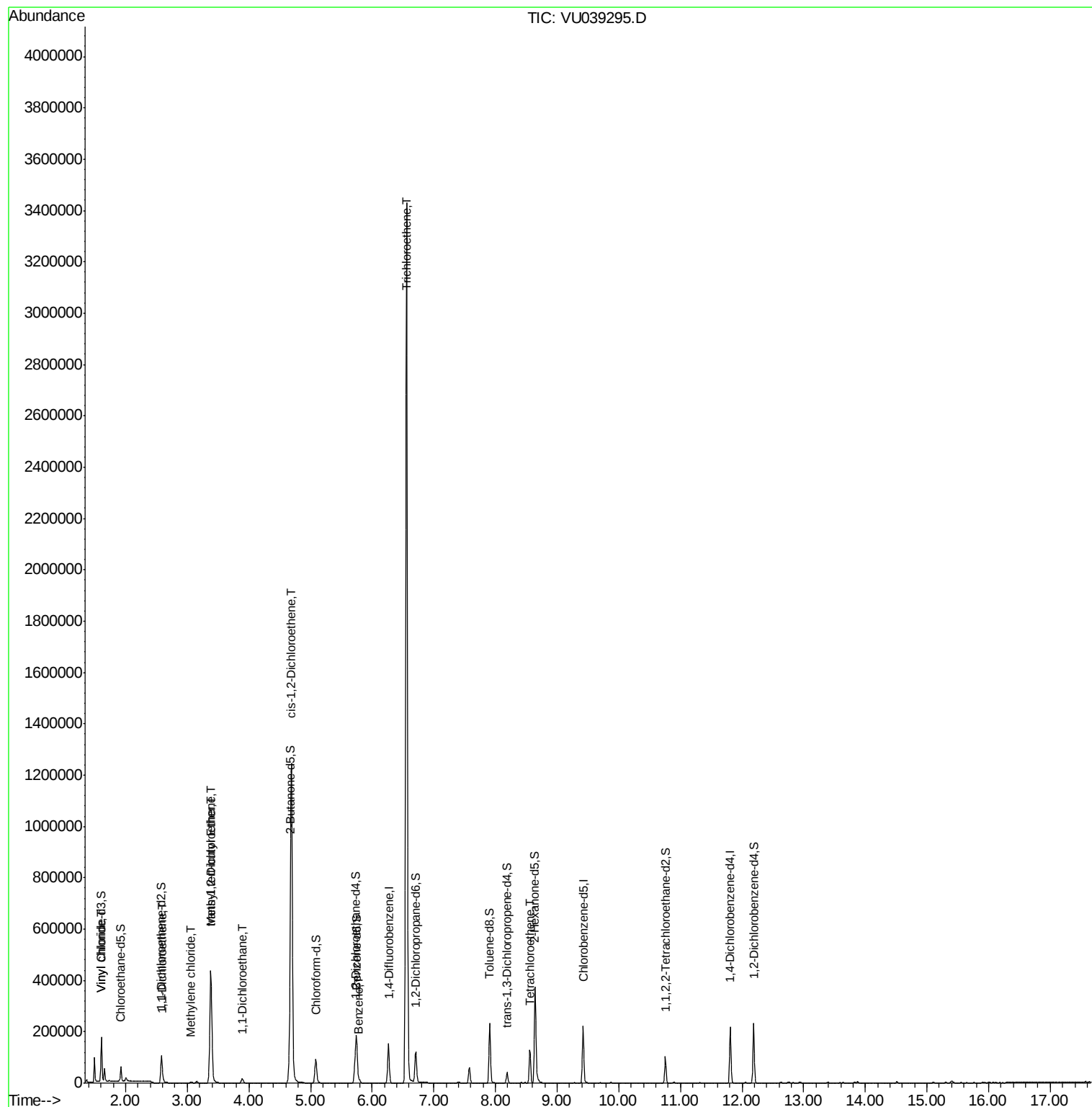
					Ovalue
5) Vinyl chloride	1.61	62	47884	5.364	ug/L 99
12) 1,1-Dichloroethene	2.60	96	3347	0.493	ug/L # 1
16) Methylene chloride	3.06	84	924	0.107	ug/L # 86
17) Methyl tert-butyl Ether	3.38	73	463100	20.739	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	22142	3.000	ug/L 96
19) 1,1-Dichloroethane	3.89	63	19954	1.350	ug/L 97
22) cis-1,2-Dichloroethene	4.69	96	599305	71.267	ug/L 100
33) Benzene	5.79	78	12984	0.405	ug/L 100
34) Trichloroethene	6.56	95	1110028	134.353	ug/L 93
47) Tetrachloroethene	8.56	164	25129	4.328	ug/L 95

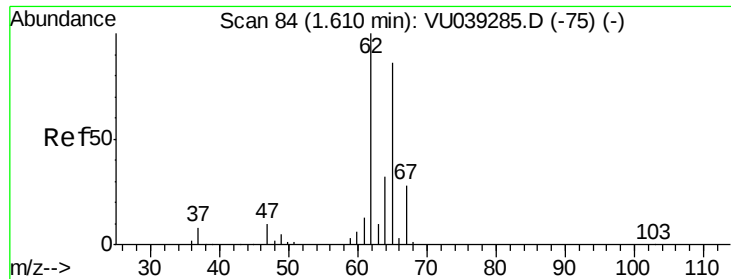
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 5.364 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039295.D

Acq: 06 Jul 2020 16:47

Instrument :

MSVOA_U

ClientSampleId :

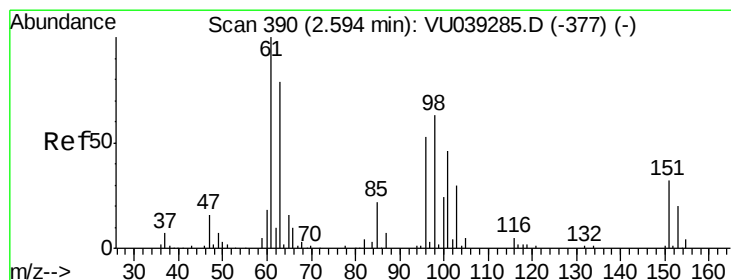
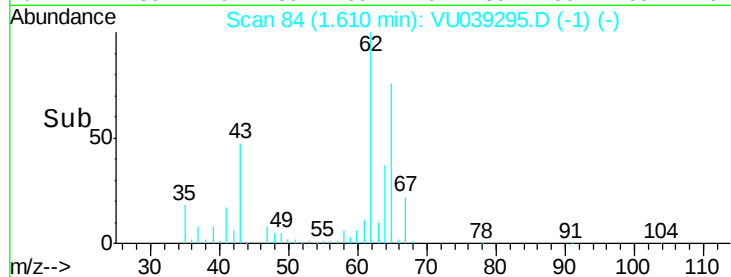
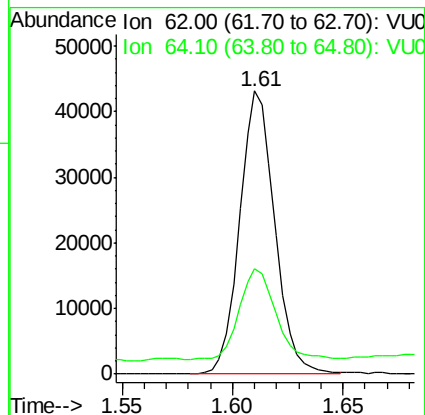
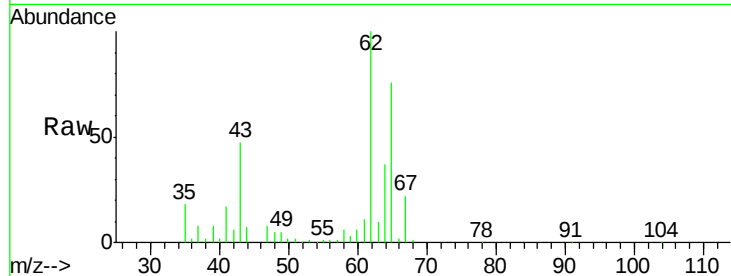
H4285

Tot Ion: 62 Resp: 47884

Ion Ratio Lower Upper

62 100

64 37.2 25.6 47.4



#12

1,1-Dichloroethene

Concen: 0.493 ug/L

RT: 2.60 min Scan# 391

Delta R.T. 0.00 min

Lab File: VU039295.D

Acq: 06 Jul 2020 16:47

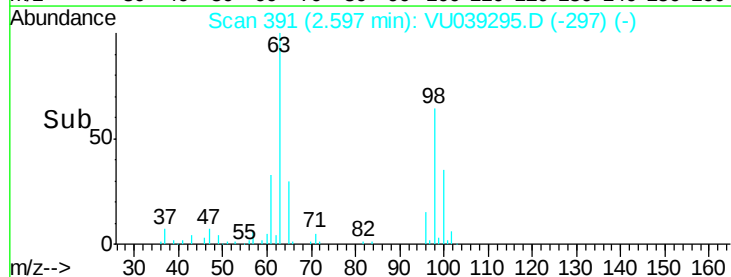
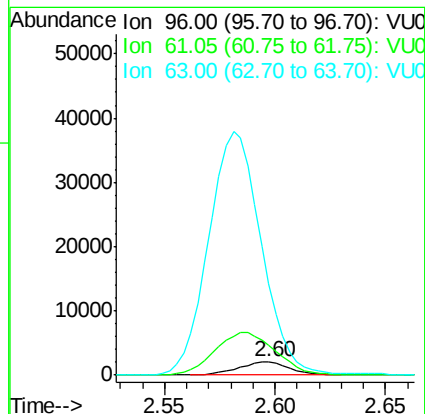
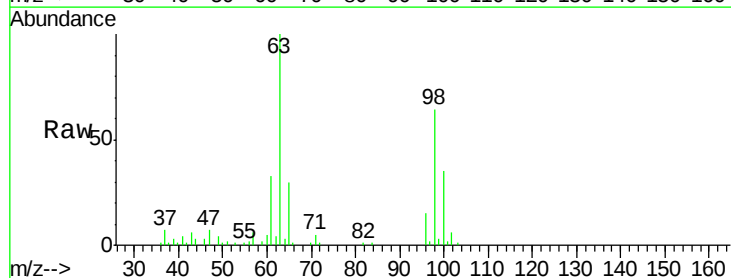
Tgt Ion: 96 Resp: 3347

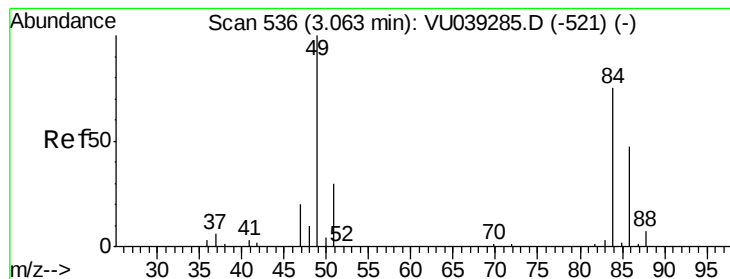
Ion Ratio Lower Upper

96 100

61 219.6 123.8 230.0

63 671.5 112.1 208.3#





#16

Methylene chloride

Concen: 0.107 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU039295.D

Acq: 06 Jul 2020 16:47

Instrument :

MSVOA_U

ClientSampleId :

H4285

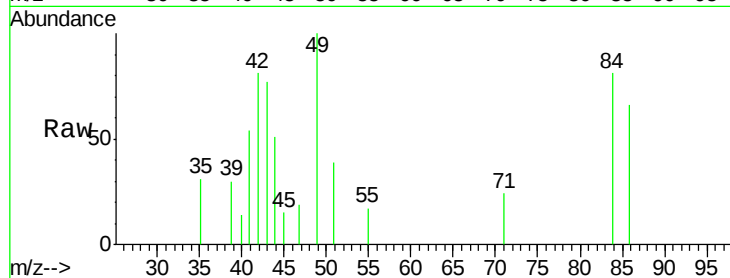
Tot Ion: 84 Resp: 924

Ion Ratio Lower Upper

84 100

86 81.5 42.6 79.0#

49 123.1 93.0 172.8

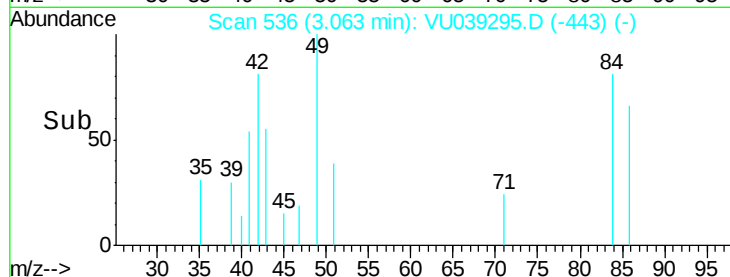


Abundance Ion 84.05 (83.75 to 84.75): VU039295.D (-521) (-)

Ion 86.00 (85.70 to 86.70): VU039295.D (-521) (-)

Ion 49.10 (48.80 to 49.80): VU039295.D (-521) (-)

Time-->

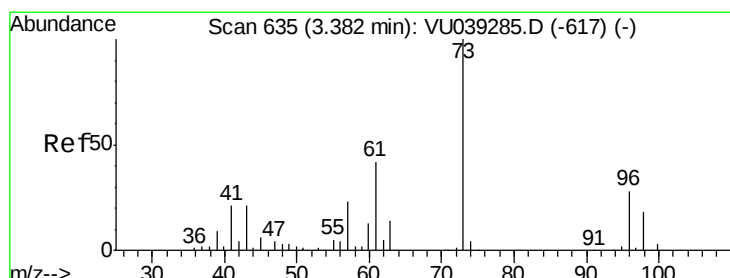


Abundance Ion 84.05 (83.75 to 84.75): VU039295.D (-443) (-)

Ion 86.00 (85.70 to 86.70): VU039295.D (-443) (-)

Ion 49.10 (48.80 to 49.80): VU039295.D (-443) (-)

Time-->



#17

Methyl tert-butyl Ether

Concen: 20.739 ug/L

RT: 3.38 min Scan# 636

Delta R.T. 0.00 min

Lab File: VU039295.D

Acq: 06 Jul 2020 16:47

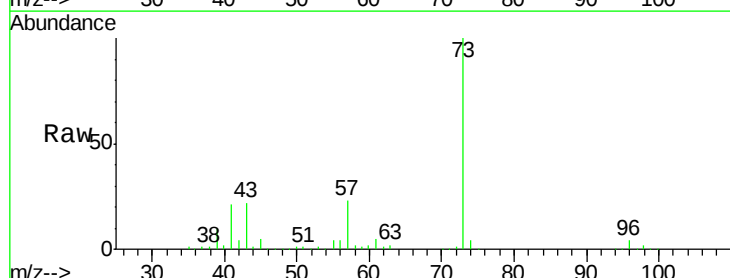
Tgt Ion: 73 Resp: 463100

Ion Ratio Lower Upper

73 100

43 21.9 17.5 26.3

57 22.6 18.6 27.8

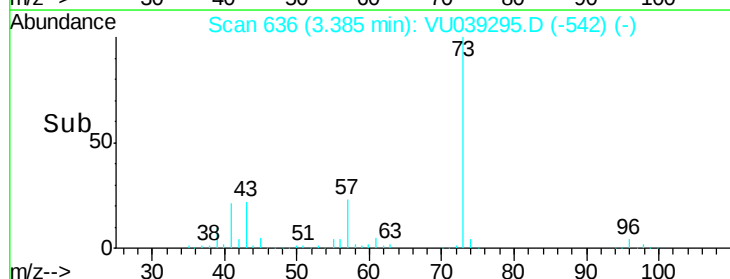


Abundance Ion 73.10 (72.80 to 73.80): VU039295.D (-617) (-)

Ion 43.05 (42.75 to 43.75): VU039295.D (-617) (-)

Ion 57.10 (56.80 to 57.80): VU039295.D (-617) (-)

Time-->

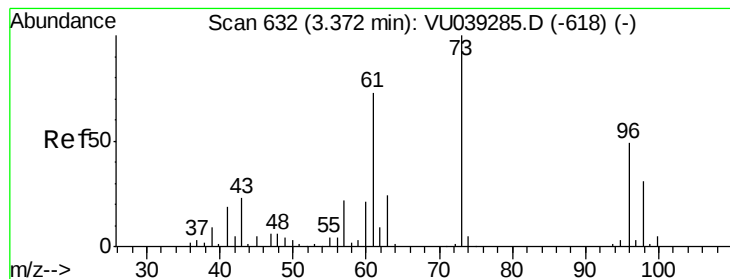


Abundance Ion 73.10 (72.80 to 73.80): VU039295.D (-542) (-)

Ion 43.05 (42.75 to 43.75): VU039295.D (-542) (-)

Ion 57.10 (56.80 to 57.80): VU039295.D (-542) (-)

Time-->



#18

trans-1,2-Dichloroethene

Concen: 3.000 ug/L

RT: 3.37 min Scan# 632

Delta R.T. 0.00 min

Lab File: VU039295.D

Acq: 06 Jul 2020 16:47

Instrument :

MSVOA_U

ClientSampleId :

H4285

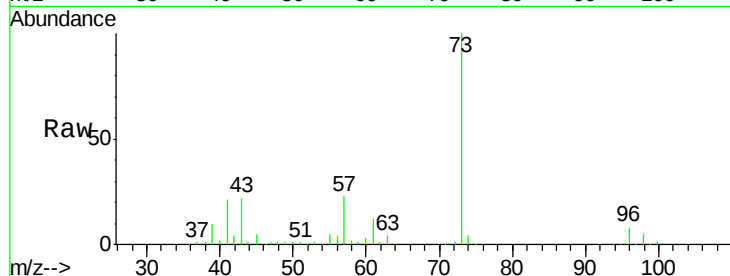
Tot Ion: 96 Resp: 22142

Ion Ratio Lower Upper

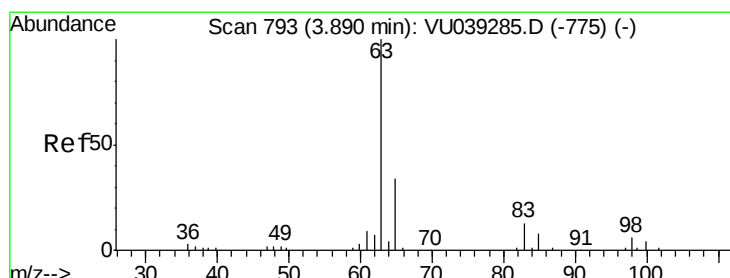
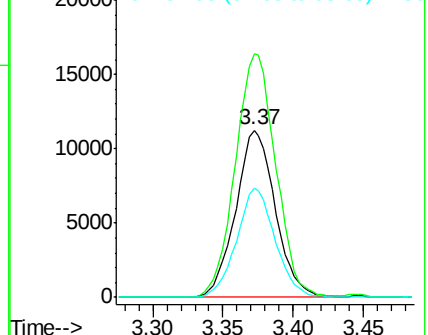
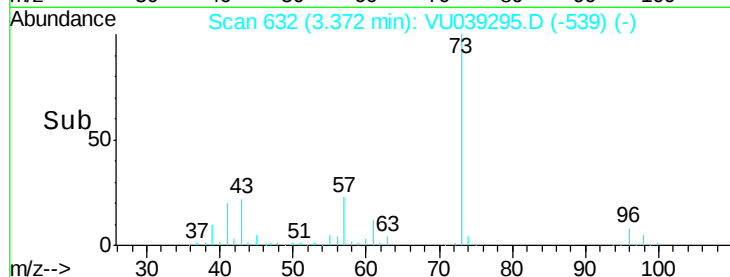
96 100

61 145.4 104.7 194.5

98 65.3 43.1 80.1



Abundance Ion 96.00 (95.70 to 96.70): VU039295.D (-539) (-)



#19

1,1-Dichloroethane

Concen: 1.350 ug/L

RT: 3.89 min Scan# 794

Delta R.T. 0.00 min

Lab File: VU039295.D

Acq: 06 Jul 2020 16:47

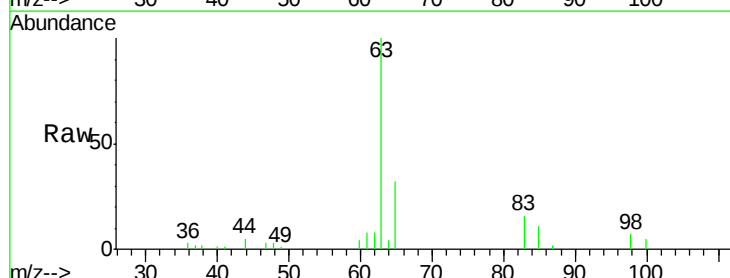
Tgt Ion: 63 Resp: 19954

Ion Ratio Lower Upper

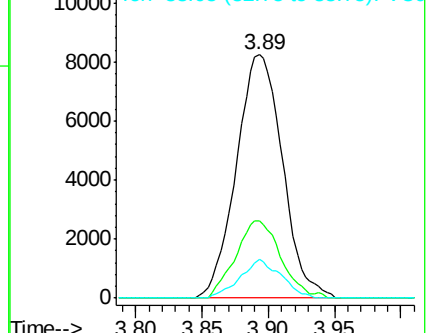
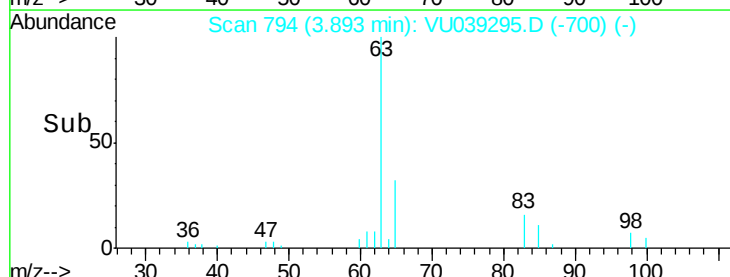
63 100

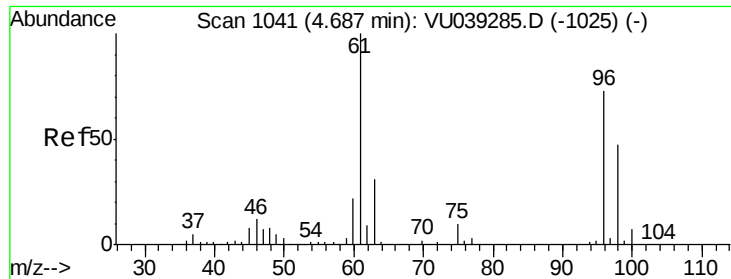
65 31.9 22.7 42.3

83 15.8 9.1 16.9



Abundance Ion 63.10 (62.80 to 63.80): VU039295.D (-700) (-)





#22

cis-1,2-Dichloroethene

Concen: 71.267 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU039295.D

Acq: 06 Jul 2020 16:47

Instrument :

MSVOA_U

ClientSampleId :

H4285

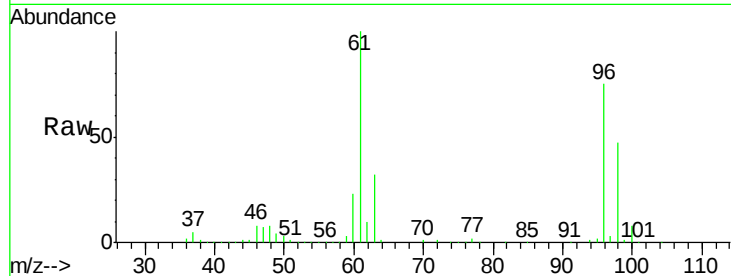
Tot Ion: 96 Resp: 599305

Ion Ratio Lower Upper

96 100

61 133.5 93.7 173.9

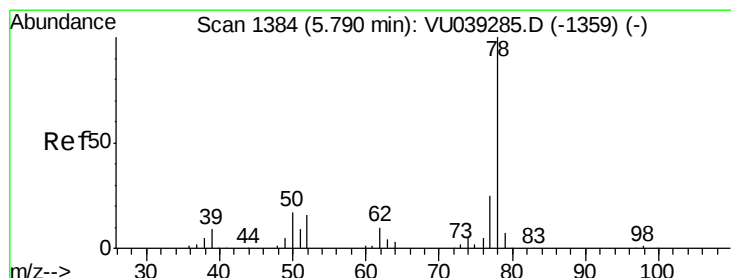
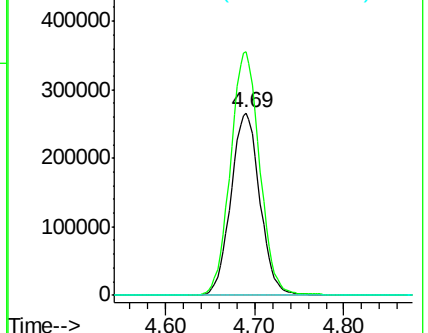
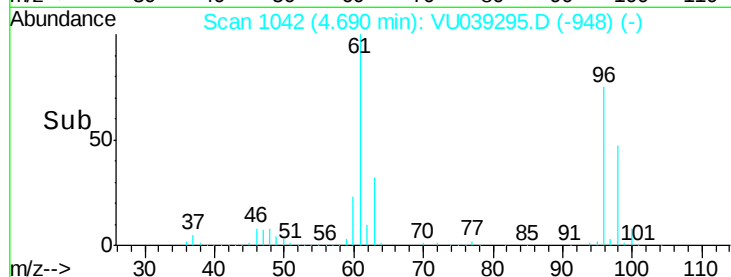
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039295.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU039295.D (-948) (-)

Ion 68.15 (67.85 to 68.85): VU039295.D (-948) (-)



#33

Benzene

Concen: 0.405 ug/L

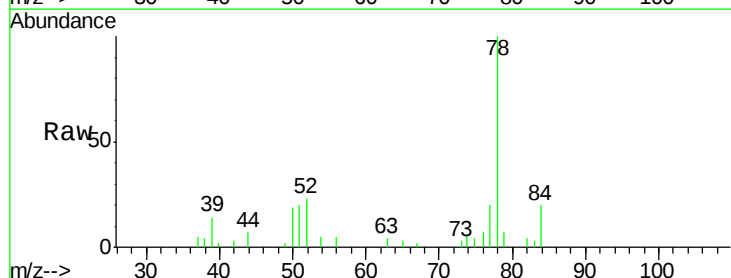
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

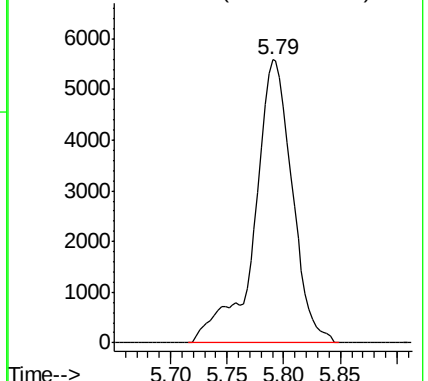
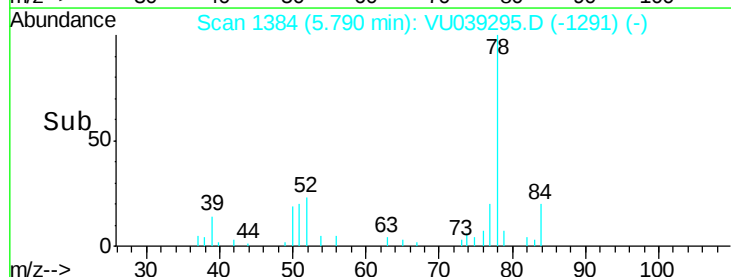
Lab File: VU039295.D

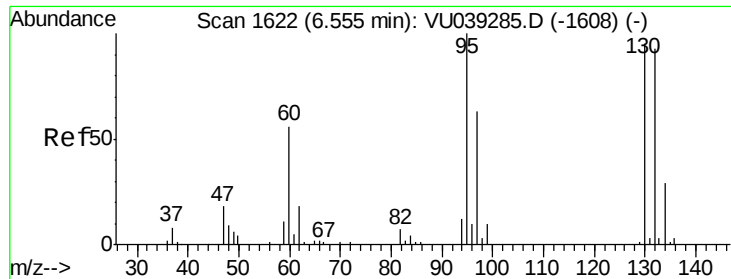
Acq: 06 Jul 2020 16:47

Tgt Ion: 78 Resp: 12984



Abundance Ion 78.10 (77.80 to 78.80): VU039295.D (-1291) (-)



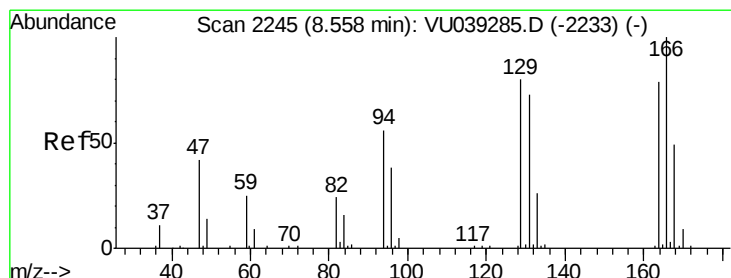
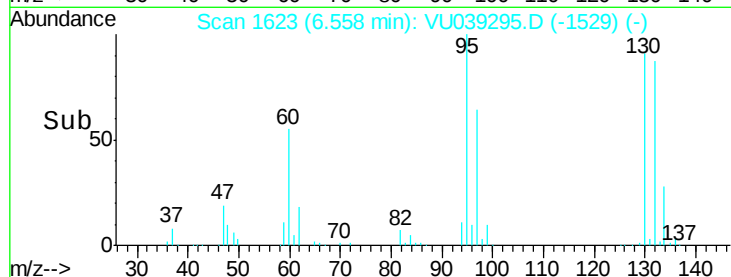
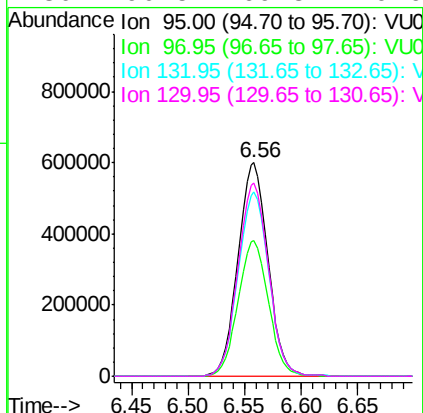
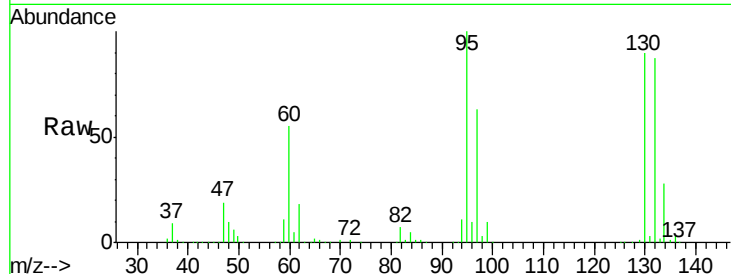


#34
 Trichloroethene
 Concen: 134.353 ug/L
 RT: 6.56 min Scan# 1623
 Delta R.T. 0.00 min
 Lab File: VU039295.D
 Acq: 06 Jul 2020 16:47

Instrument :
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 ClientSampleId :
 H4285

Tot Ion: 95 Resp: 1110028

Ion	Ratio	Lower	Upper
95	100		
97	63.5	47.0	87.2
132	86.6	65.0	120.8
130	90.5	69.8	129.6



#47
 Tetrachloroethene
 Concen: 4.328 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU039295.D
 Acq: 06 Jul 2020 16:47

Tgt Ion: 164 Resp: 25129

Ion	Ratio	Lower	Upper
164	100		
129	103.4	70.5	130.9
131	94.8	68.7	127.5
166	126.8	94.9	176.3

