

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070620\
 Data File : VU039293.D
 Acq On : 06 Jul 2020 16:01
 Operator : SY/MD
 Sample : L3193-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4279

Quant Time: Jul 07 01:19:55 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	116231	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	109381	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	51372	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	47660	5.33	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.60%
7) Chloroethane-d5	1.93	69	39258	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.80%
11) 1,1-Dichloroethene-d2	2.58	63	65639	3.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.00%
20) 2-Butanone-d5	4.66	46	179349	53.24	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.48%
24) Chloroform-d	5.09	84	81920	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.72	65	50003	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
32) Benzene-d6	5.74	84	167314	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
36) 1,2-Dichloropropane-d6	6.70	67	55597	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	7.91	98	153561	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
43) trans-1,3-Dichloropropene-	8.19	79	21032	4.07	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.40%
46) 2-Hexanone-d5	8.64	63	135213	49.60	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.20%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	50342	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	58109	5.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

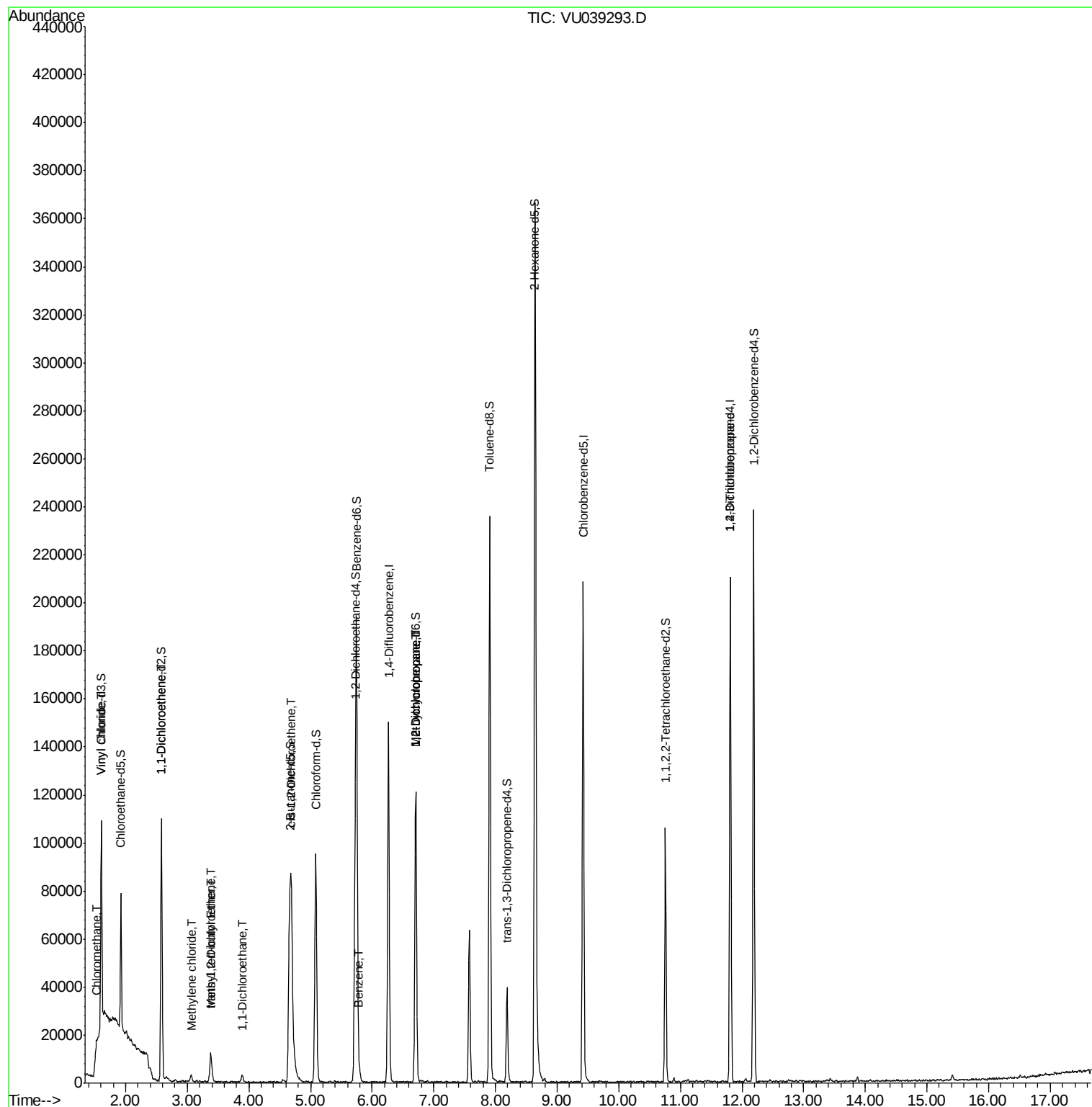
					Ovalue
3) Chloromethane	1.53	50	962	0.114 ug/L #	78
5) Vinyl chloride	1.61	62	11268	1.301 ug/L #	1
12) 1,1-Dichloroethene	2.58	96	502	0.076 ug/L #	1
16) Methylene chloride	3.07	84	731	0.087 ug/L #	87
17) Methyl tert-butyl Ether	3.38	73	11472	0.530 ug/L #	95
18) trans-1,2-Dichloroethene	3.37	96	1008	0.141 ug/L	86
19) 1,1-Dichloroethane	3.90	63	4129	0.288 ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	16414	2.012 ug/L	93
33) Benzene	5.79	78	4172	0.135 ug/L	100
35) Methylcyclohexane	6.71	83	12545	0.986 ug/L #	18
37) 1,2-Dichloropropane	6.70	63	6219	0.723 ug/L #	90
59) 1,2,3-Trichloropropane	11.81	75	7814	1.209 ug/L	94

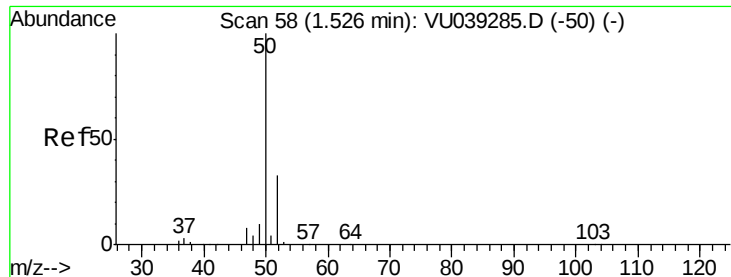
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.114 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039293.D

Acq: 06 Jul 2020 16:01

Instrument :

MSVOA_U

ClientSampleId :

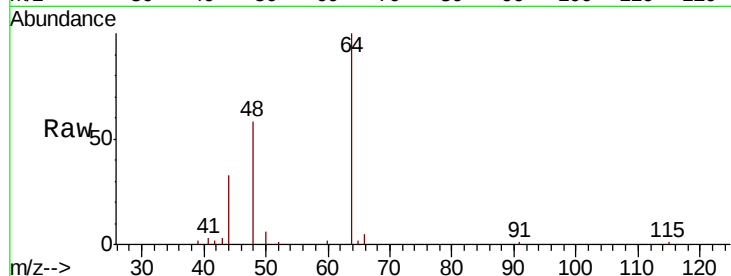
H4279

Tot Ion: 50 Resp: 962

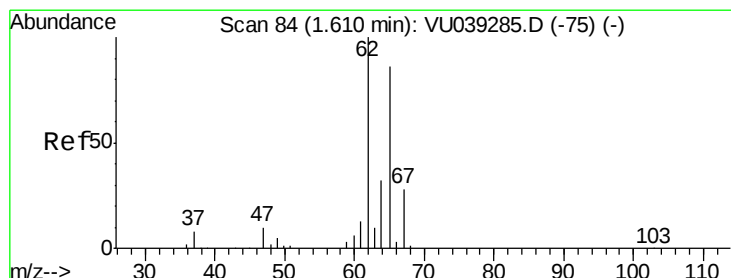
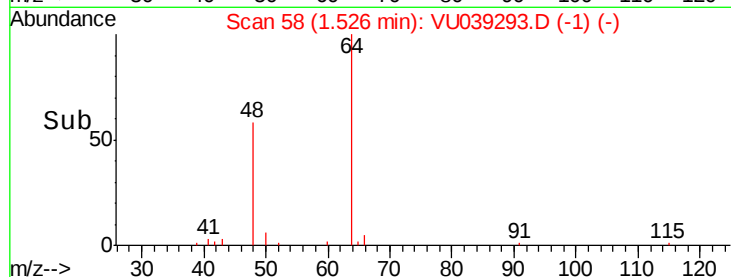
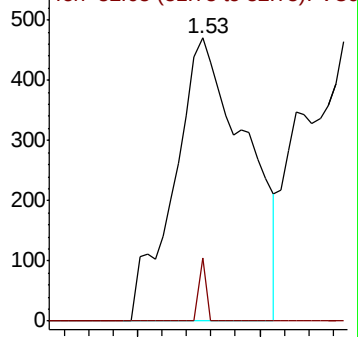
Ion Ratio Lower Upper

50 100

52 22.6 24.7 45.9#



Abundance Ion 50.05 (49.75 to 50.75): VU039293.D (-1) (-)



#5

Vinyl chloride

Concen: 1.301 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039293.D

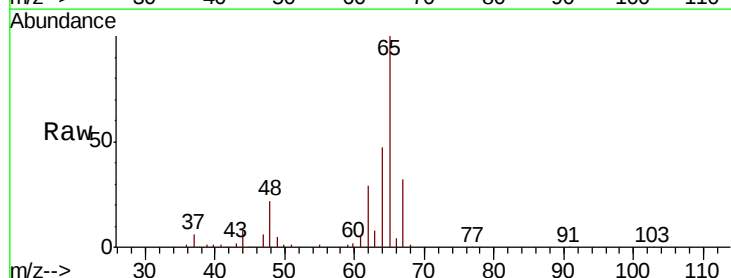
Acq: 06 Jul 2020 16:01

Tgt Ion: 62 Resp: 11268

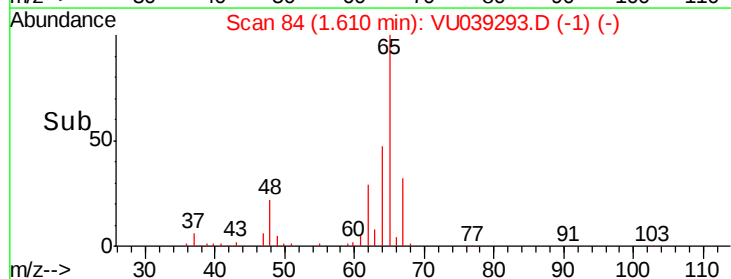
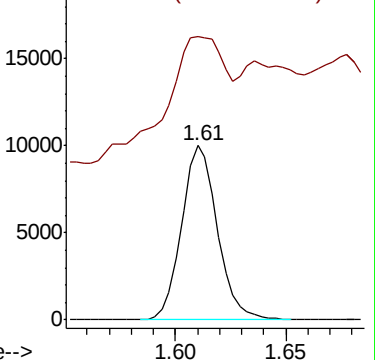
Ion Ratio Lower Upper

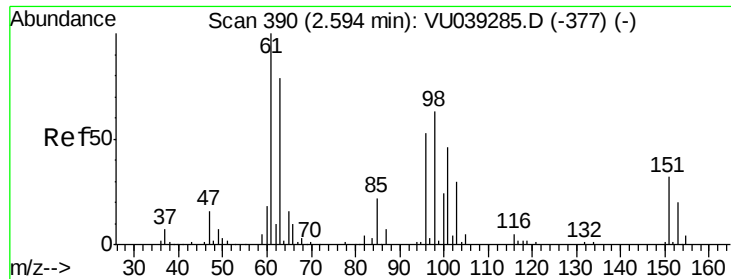
62 100

64 162.5 25.6 47.4#



Abundance Ion 62.00 (61.70 to 62.70): VU039293.D (-1) (-)





#12

1,1-Dichloroethene

Concen: 0.076 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU039293.D

Acq: 06 Jul 2020 16:01

Instrument :

MSVOA_U

ClientSampleId :

H4279

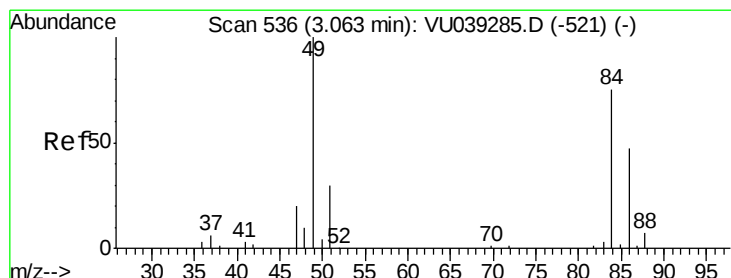
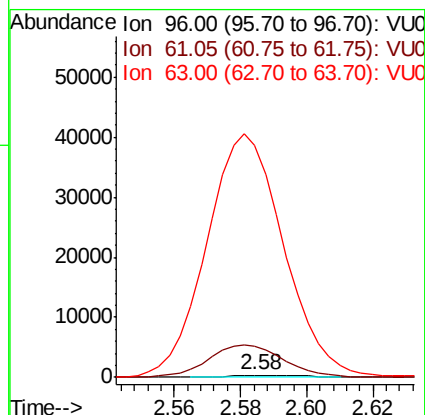
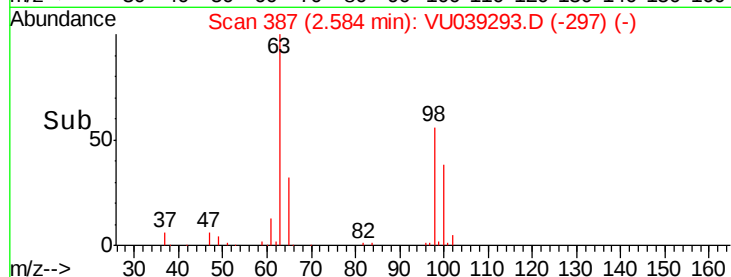
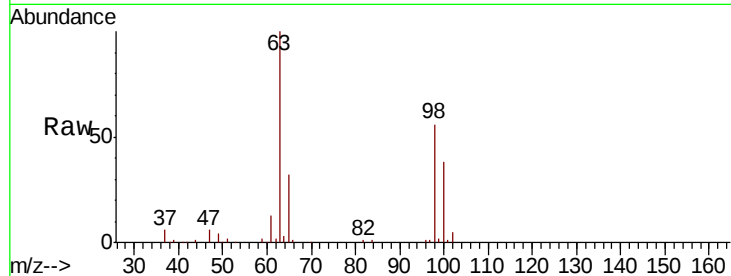
Tot Ion: 96 Resp: 502

Ion Ratio Lower Upper

96 100

61 1410.1 123.8 230.0#

63 10577.5 112.1 208.3#



#16

Methylene chloride

Concen: 0.087 ug/L

RT: 3.07 min Scan# 538

Delta R.T. 0.01 min

Lab File: VU039293.D

Acq: 06 Jul 2020 16:01

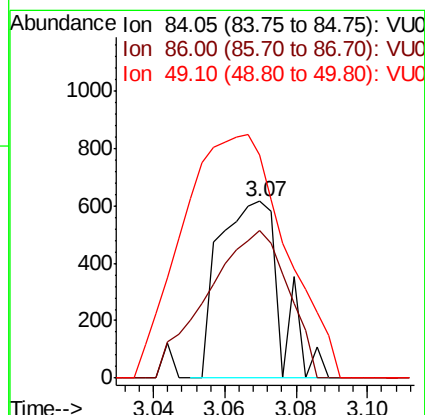
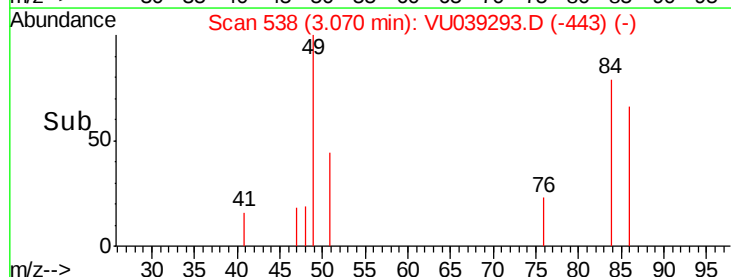
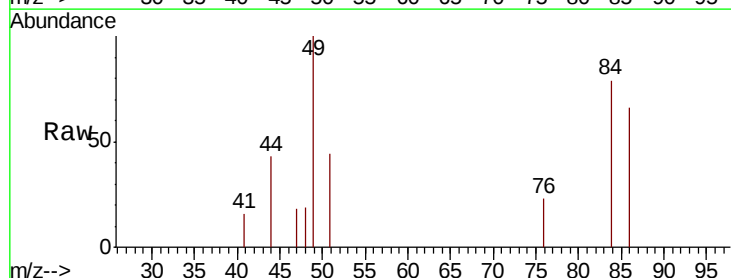
Tgt Ion: 84 Resp: 731

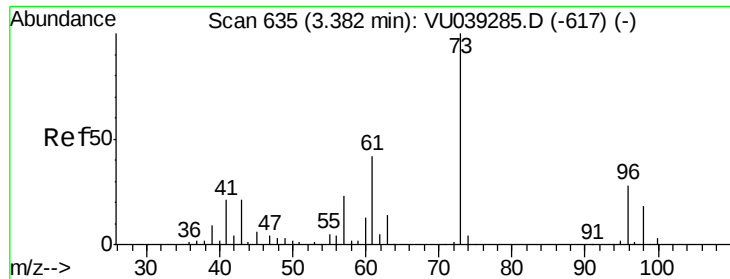
Ion Ratio Lower Upper

84 100

86 83.6 42.6 79.0#

49 126.0 93.0 172.8

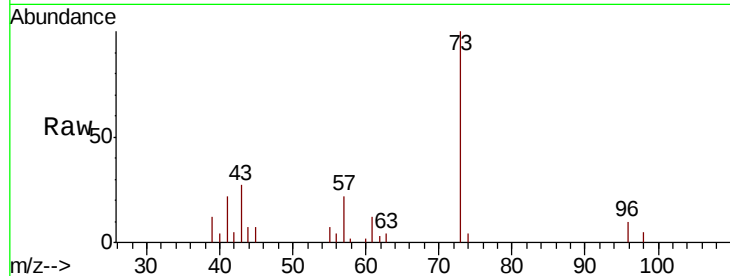




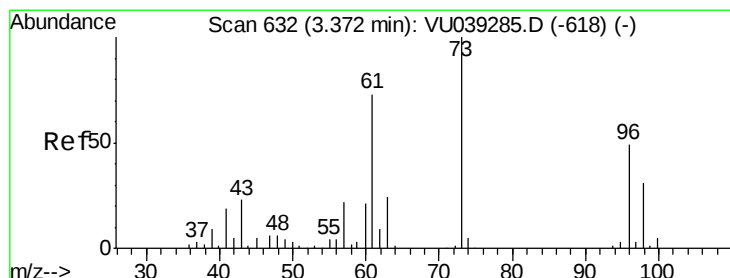
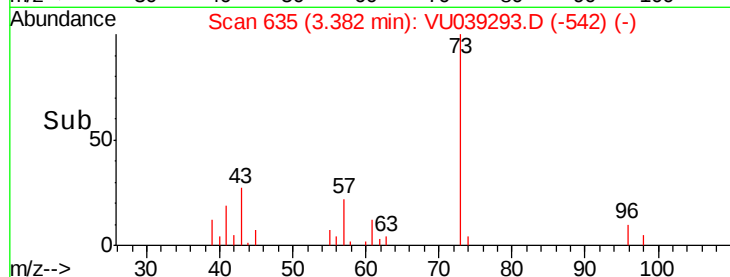
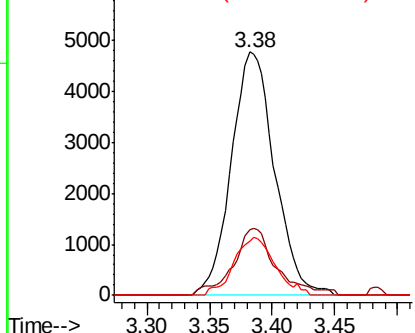
#17
Methvl tert-butvl Ether
Concen: 0.530 ug/L
RT: 3.38 min Scan# 635
Delta R.T. -0.00 min
Lab File: VU039293.D
Acq: 06 Jul 2020 16:01

Instrument :
MSVOA_U
ClientSampleId :
H4279

Tot Ion: 73 Resp: 11472
Ion Ratio Lower Upper
73 100
43 26.6 17.5 26.3#
57 22.6 18.6 27.8

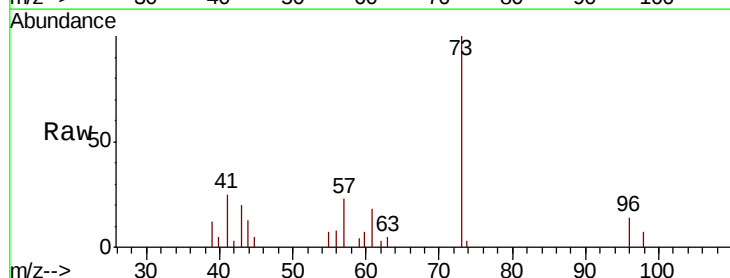


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

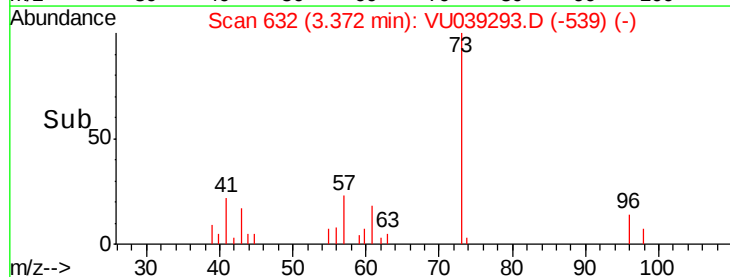
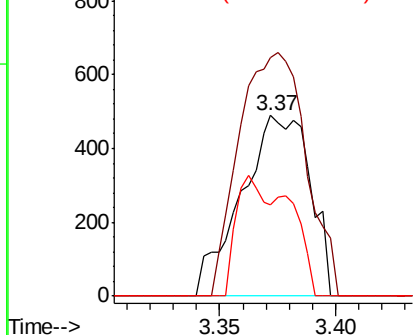


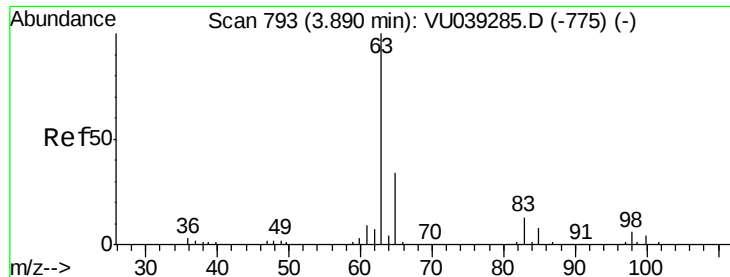
#18
trans-1,2-Dichloroethene
Concen: 0.141 ug/L
RT: 3.37 min Scan# 632
Delta R.T. -0.00 min
Lab File: VU039293.D
Acq: 06 Jul 2020 16:01

Tgt Ion: 96 Resp: 1008
Ion Ratio Lower Upper
96 100
61 131.6 104.7 194.5
98 50.4 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

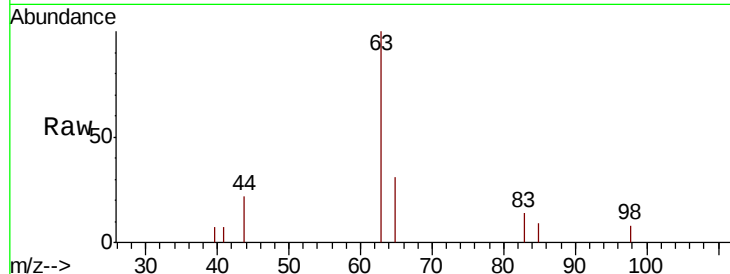




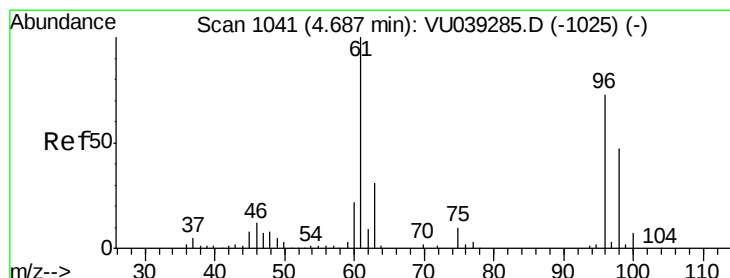
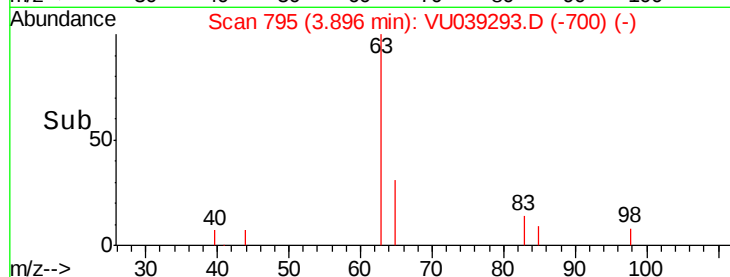
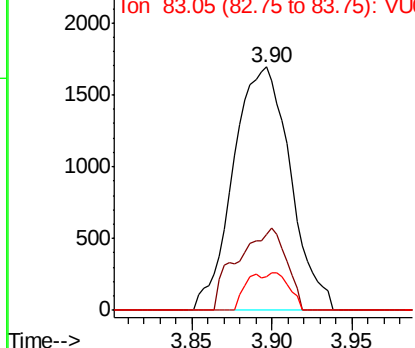
#19
 1,1-Dichloroethane
 Concen: 0.288 ug/L
 RT: 3.90 min Scan# 795
 Delta R.T. 0.01 min
 Lab File: VU039293.D
 Acq: 06 Jul 2020 16:01

Instrument :
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 ClientSampleId :
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Tot Ion: 63 Resp: 4129
 Ion Ratio Lower Upper
 63 100
 65 31.2 22.7 42.3
 83 13.8 9.1 16.9

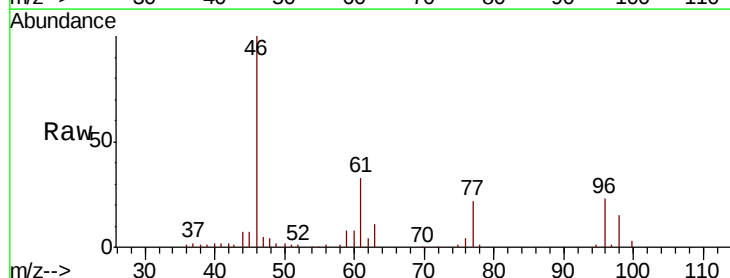


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

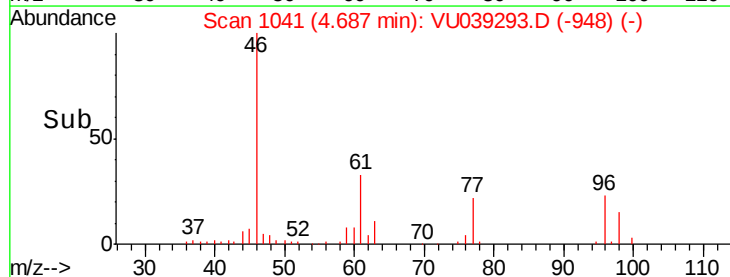
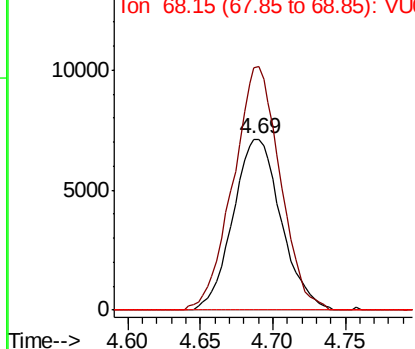


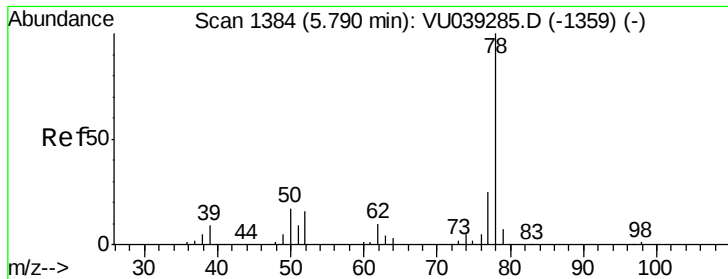
#22
 cis-1,2-Dichloroethene
 Concen: 2.012 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: VU039293.D
 Acq: 06 Jul 2020 16:01

Tgt Ion: 96 Resp: 16414
 Ion Ratio Lower Upper
 96 100
 61 141.8 93.7 173.9
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0





#33

Benzene

Concen: 0.135 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. -0.00 min

Lab File: VU039293.D

Acq: 06 Jul 2020 16:01

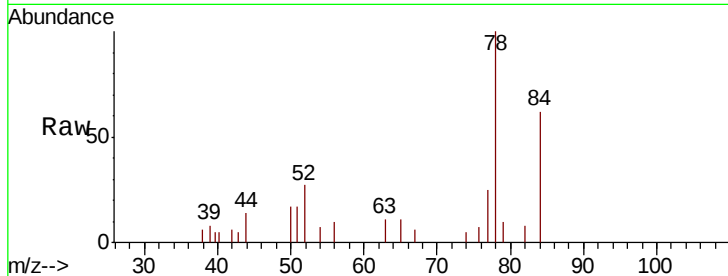
Instrument :

MSVOA_U

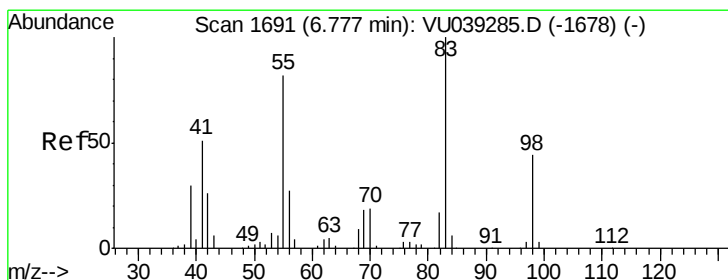
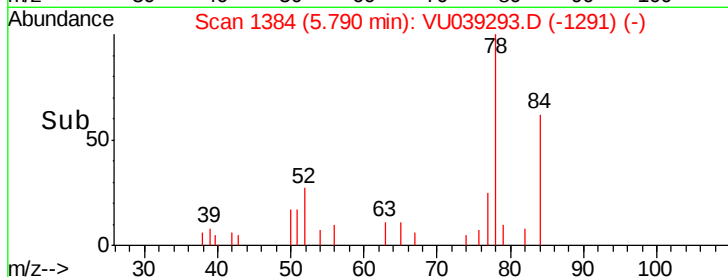
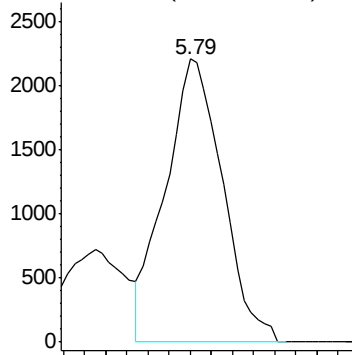
ClientSampleId :

H4279

Tgt Ion: 78 Resp: 4172



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.986 ug/L

RT: 6.71 min Scan# 1669

Delta R.T. -0.07 min

Lab File: VU039293.D

Acq: 06 Jul 2020 16:01

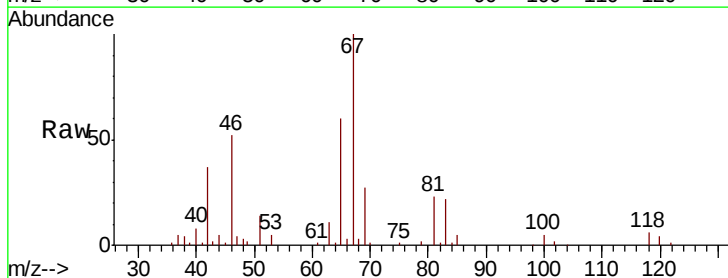
Tgt Ion: 83 Resp: 12545

Ion Ratio Lower Upper

83 100

55 0.3 63.3 94.9#

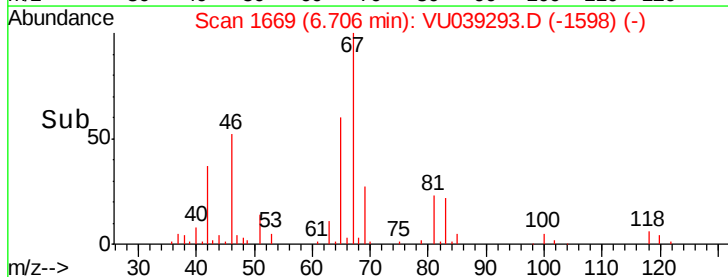
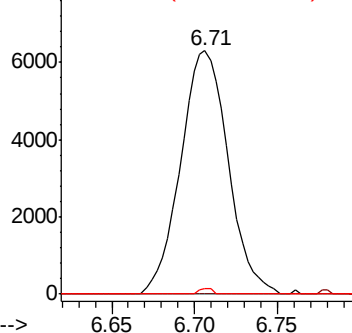
98 0.6 37.4 56.2#

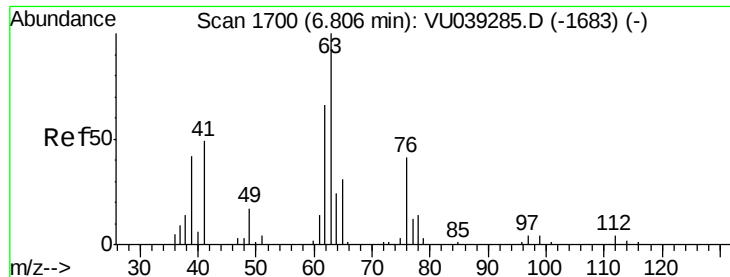


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

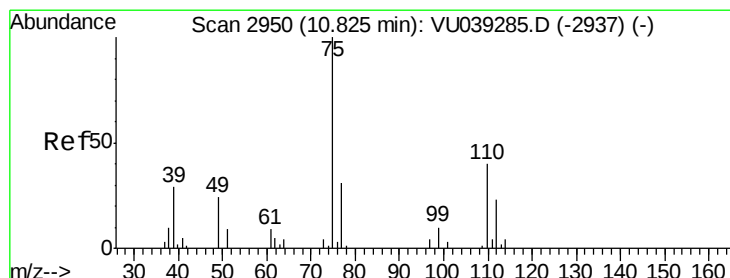
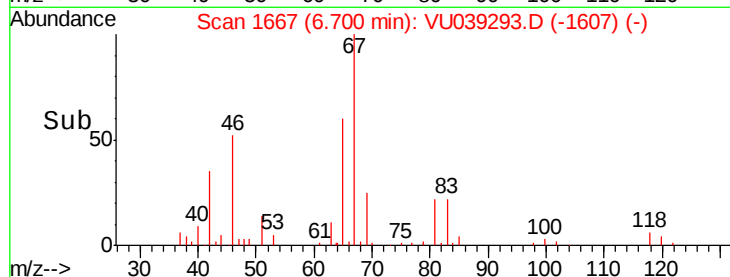
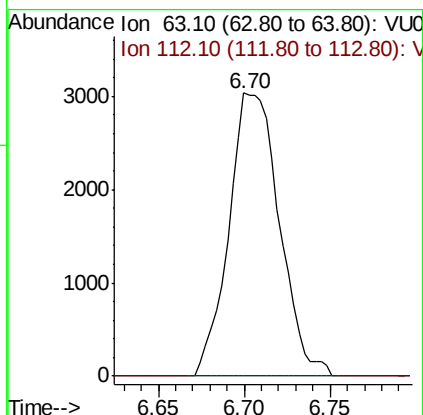
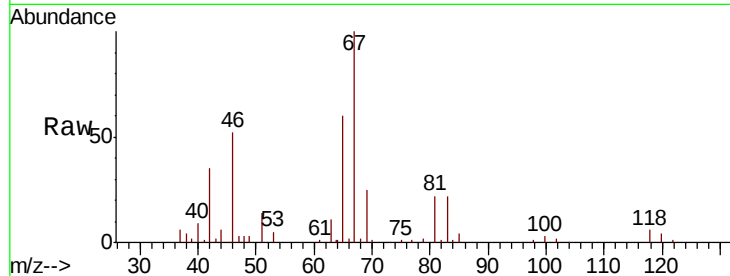




#37
 1,2-Dichloropropane
 Concen: 0.723 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.11 min
 Lab File: VU039293.D
 Acq: 06 Jul 2020 16:01

Instrument :
 MSVOA_U
 ClientSampleId :
 H4279

Tot Ion: 63 Resp: 6219
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.6 3.8#



#59
 1,2,3-Trichloropropane
 Concen: 1.209 ug/L
 RT: 11.81 min Scan# 3257
 Delta R.T. 0.99 min
 Lab File: VU039293.D
 Acq: 06 Jul 2020 16:01

Tgt Ion: 75 Resp: 7814
 Ion Ratio Lower Upper
 75 100
 77 37.8 27.7 41.5

