

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070820\
 Data File : VU039343.D
 Acq On : 08 Jul 2020 13:39
 Operator : SY/MD
 Sample : L3193-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4279

Quant Time: Jul 09 02:31:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 09 02:29:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	120464	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	112213	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	53162	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	24866	3.56	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.20%
7) Chloroethane-d5	1.92	69	23742	3.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	66.40%
11) 1,1-Dichloroethene-d2	2.58	63	38179	2.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.60%#
20) 2-Butanone-d5	4.66	46	122778	38.43	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	76.86%
24) Chloroform-d	5.08	84	54667	3.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	73.60%
26) 1,2-Dichloroethane-d4	5.72	65	34453	3.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.80%
32) Benzene-d6	5.75	84	105492	3.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.00%
36) 1,2-Dichloropropane-d6	6.70	67	36146	3.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	76.20%
41) Toluene-d8	7.91	98	93408	3.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.80%
43) trans-1,3-Dichloropropene-	8.19	79	15381	3.67	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.40%
46) 2-Hexanone-d5	8.64	63	91922	36.97	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	73.94%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	32990	3.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	70.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	36761	3.87	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	77.40%#

Target Compounds

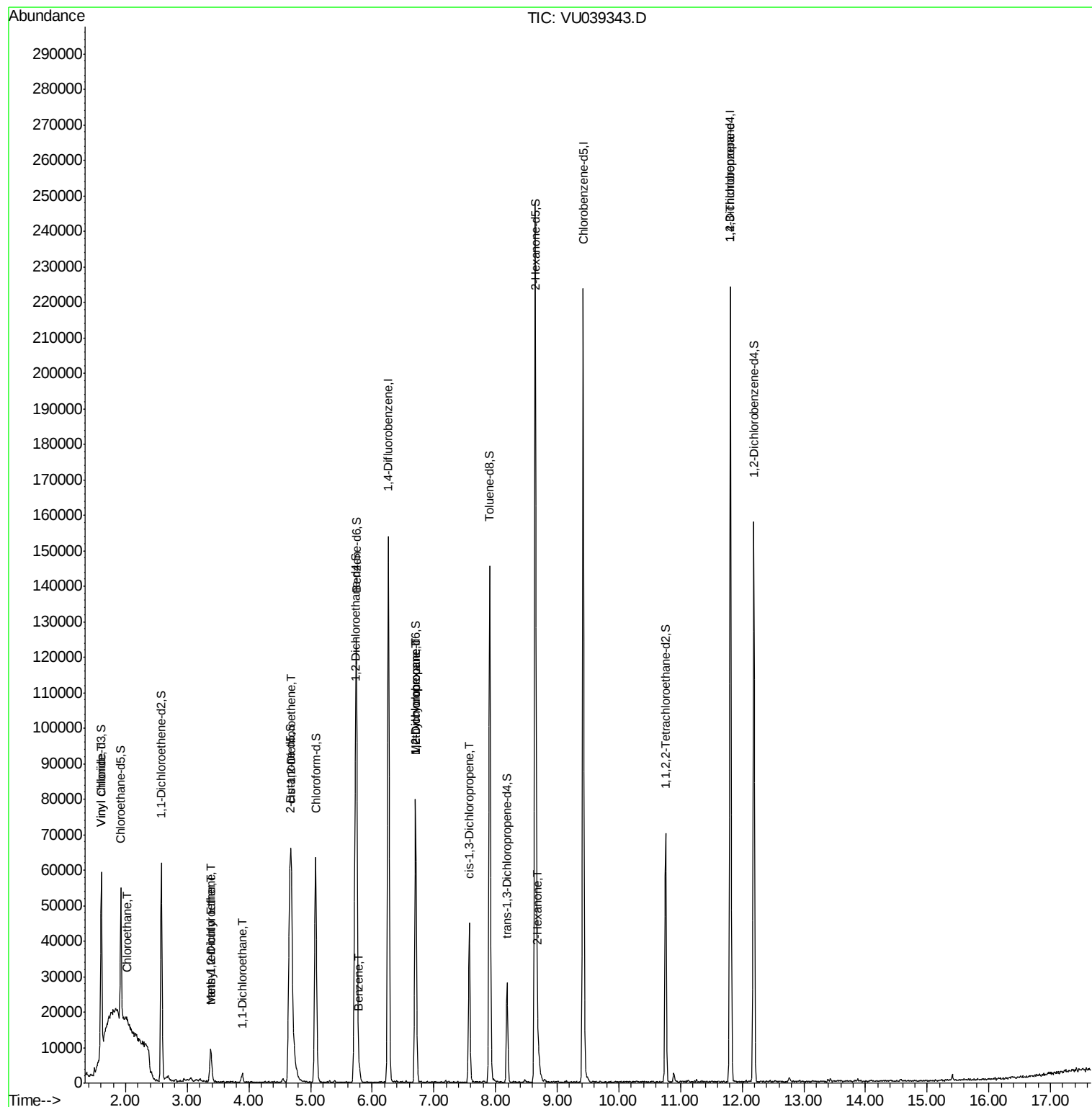
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	9831	1.001	ug/L #	19
8) Chloroethane	2.02	64	603	0.085	ug/L #	50
17) Methyl tert-butyl Ether	3.39	73	8589	0.380	ug/L	94
18) trans-1,2-Dichloroethene	3.37	96	647	0.082	ug/L #	82
19) 1,1-Dichloroethane	3.89	63	3303	0.213	ug/L	96
22) cis-1,2-Dichloroethene	4.69	96	14607	1.642	ug/L	99
33) Benzene	5.79	78	3743	0.112	ug/L	100
35) Methylcyclohexane	6.70	83	7809	0.562	ug/L #	18
37) 1,2-Dichloropropane	6.70	63	4323	0.473	ug/L #	91
39) cis-1,3-Dichloropropene	7.57	75	1314	0.095	ug/L	92
48) 2-Hexanone	8.69	43	5465	0.971	ug/L #	40
59) 1,2,3-Trichloropropane	11.81	75	8459	1.255	ug/L	93

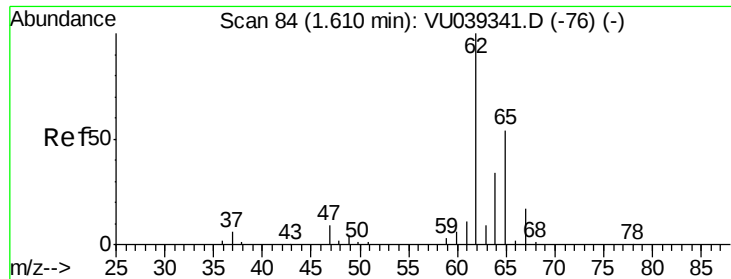
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.001 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039343.D

Acq: 08 Jul 2020 13:39

Instrument :

MSVOA_U

ClientSampleId :

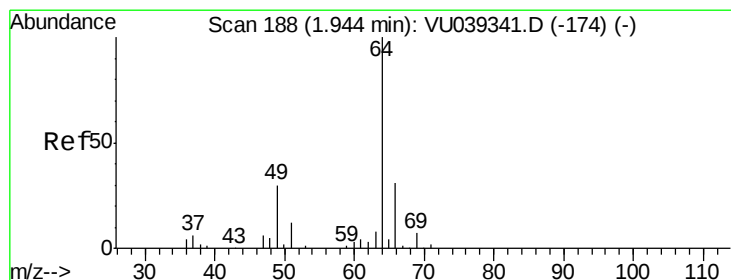
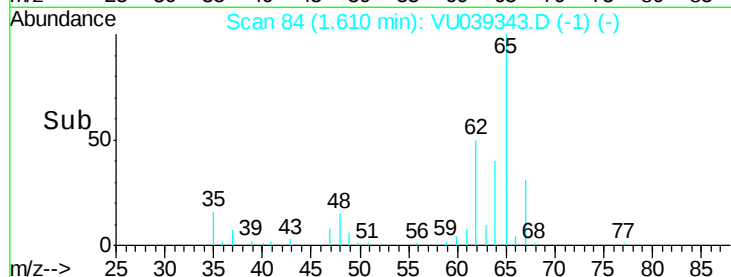
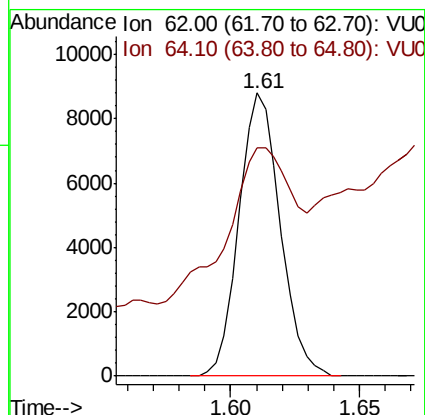
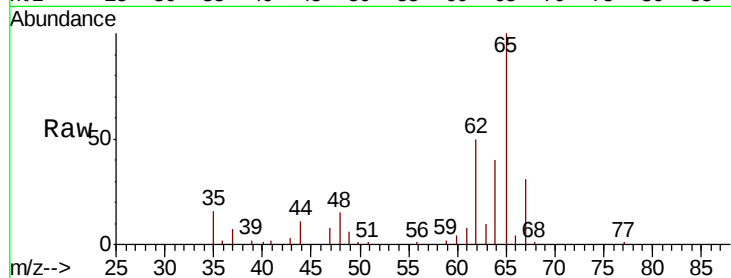
H4279

Tot Ion: 62 Resp: 9831

Ion Ratio Lower Upper

62 100

64 80.5 23.7 44.1#



#8

Chloroethane

Concen: 0.085 ug/L

RT: 2.02 min Scan# 211

Delta R.T. 0.07 min

Lab File: VU039343.D

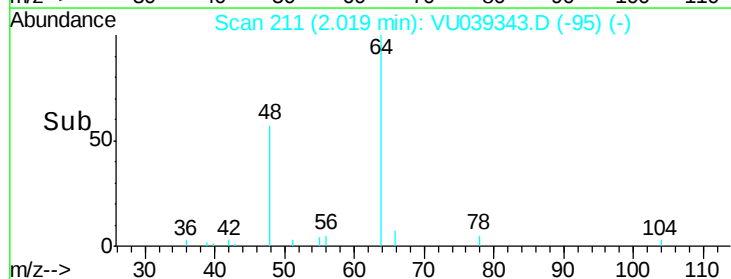
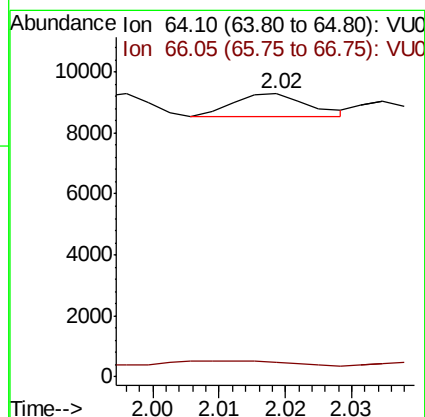
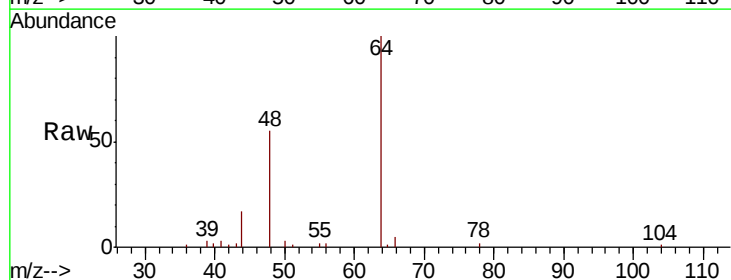
Acq: 08 Jul 2020 13:39

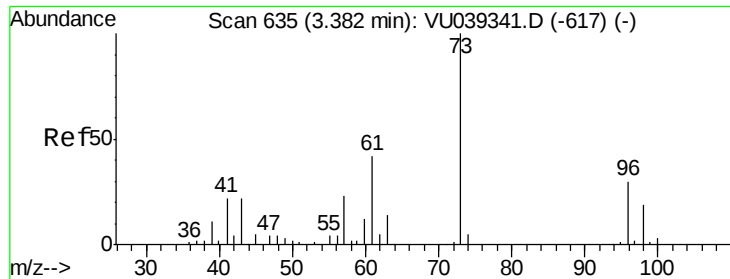
Tgt Ion: 64 Resp: 603

Ion Ratio Lower Upper

64 100

66 5.2 23.5 43.7#

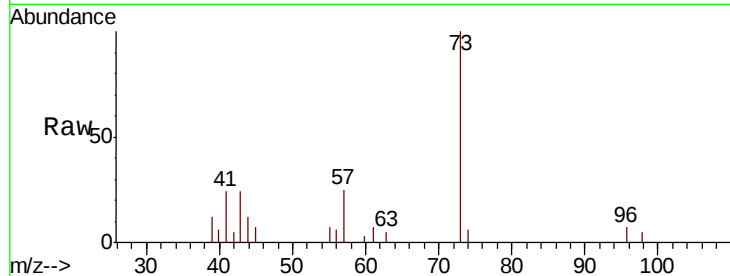




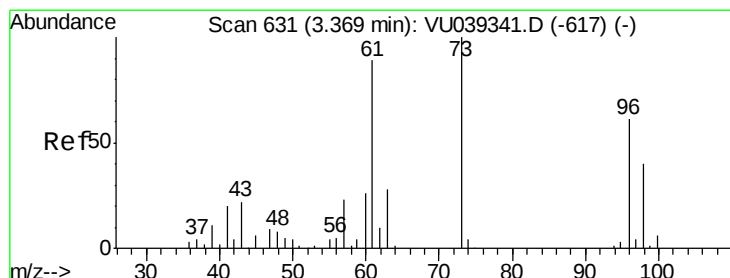
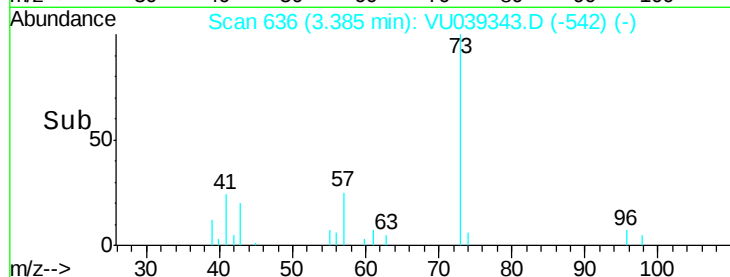
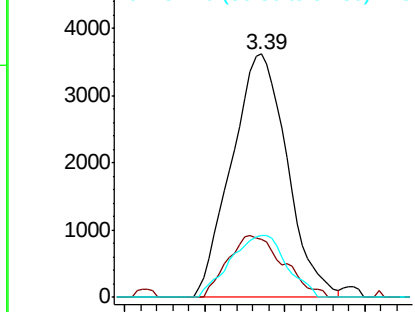
#17
Methvl tert-butvl Ether
Concen: 0.380 ug/L
RT: 3.39 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU039343.D
Acq: 08 Jul 2020 13:39

Instrument :
MSVOA_U
ClientSampleId :
H4279

Tot Ion: 73 Resp: 8589
Ion Ratio Lower Upper
73 100
43 25.6 18.6 28.0
57 25.7 17.9 26.9

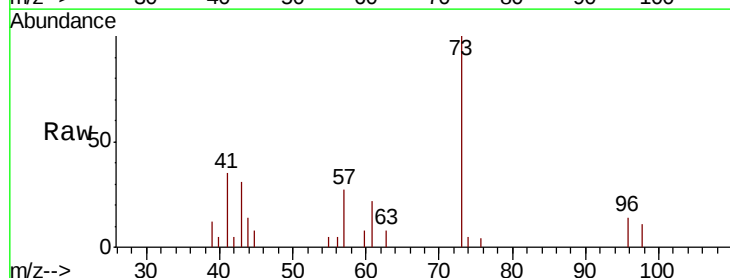


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

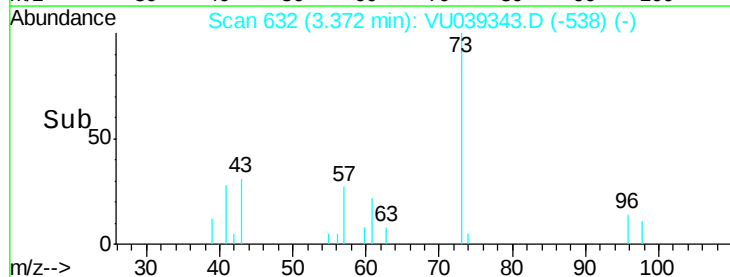
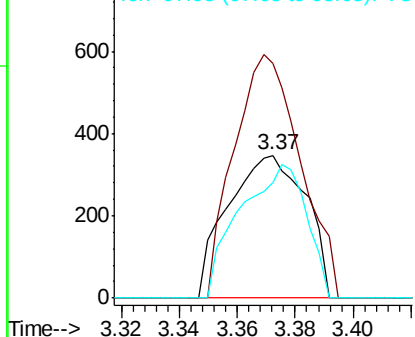


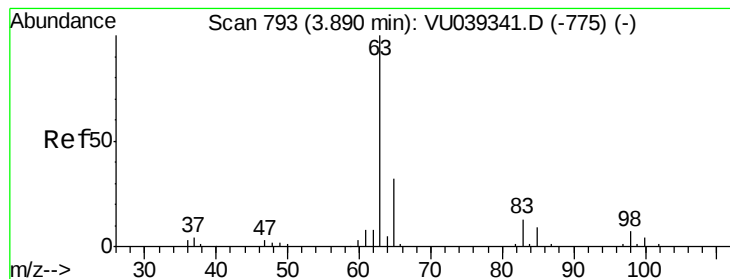
#18
trans-1,2-Dichloroethene
Concen: 0.082 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU039343.D
Acq: 08 Jul 2020 13:39

Tgt Ion: 96 Resp: 647
Ion Ratio Lower Upper
96 100
61 164.3 102.1 189.5
98 81.3 42.5 78.9#



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: 0.213 ug/L

RT: 3.89 min Scan# 794

Delta R.T. 0.00 min

Lab File: VU039343.D

Acq: 08 Jul 2020 13:39

Instrument :

MSVOA_U

ClientSampleId :

H4279

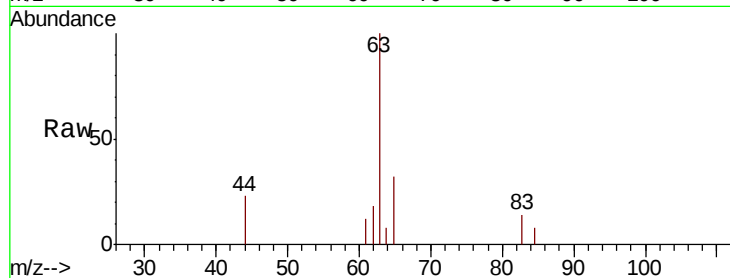
Tot Ion: 63 Resp: 3303

Ion Ratio Lower Upper

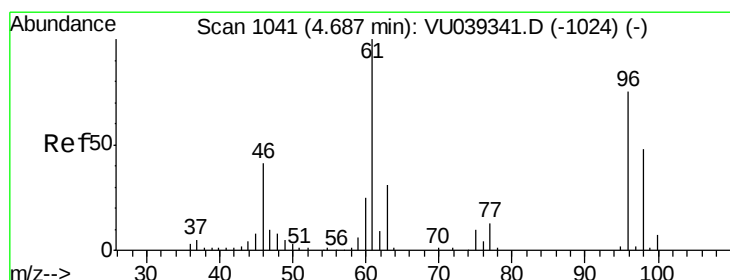
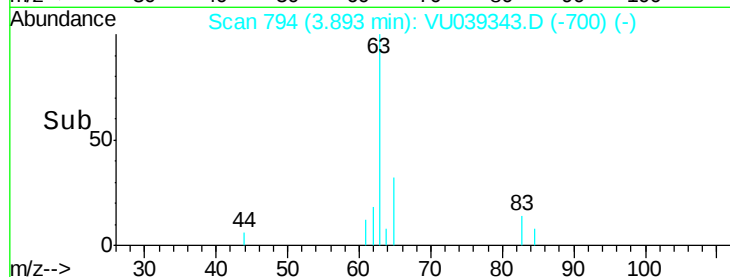
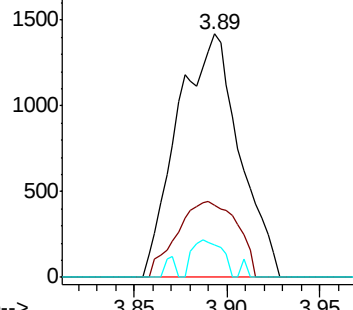
63 100

65 29.8 23.0 42.6

83 13.3 9.6 17.8



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: 1.642 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU039343.D

Acq: 08 Jul 2020 13:39

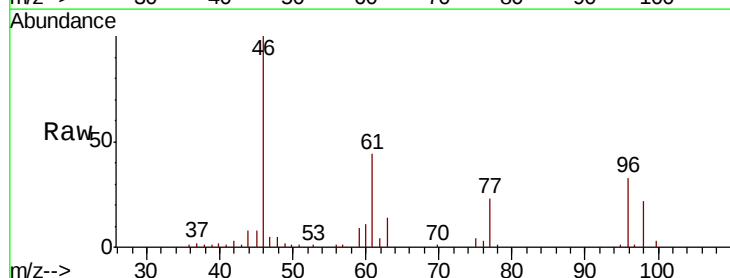
Tgt Ion: 96 Resp: 14607

Ion Ratio Lower Upper

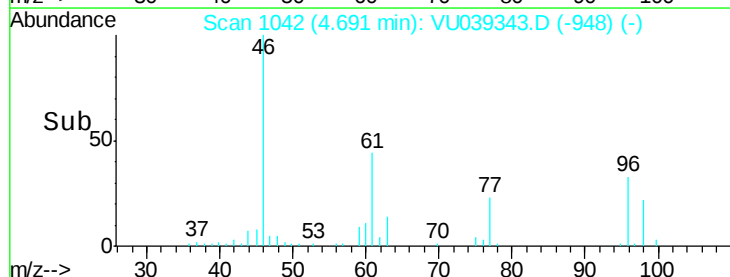
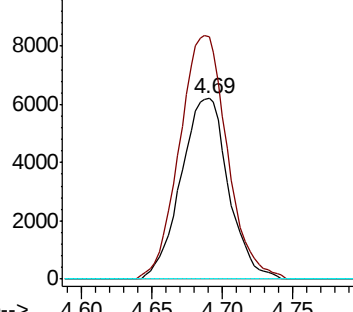
96 100

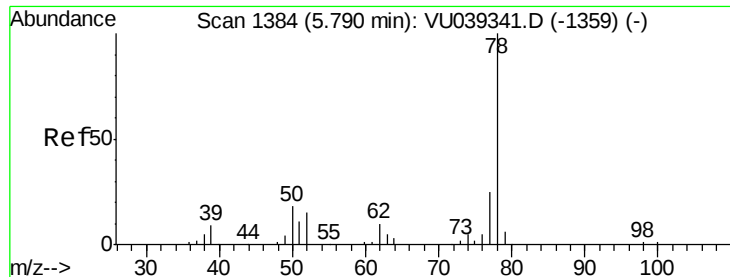
61 134.2 92.8 172.4

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: 0.112 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU039343.D

Acq: 08 Jul 2020 13:39

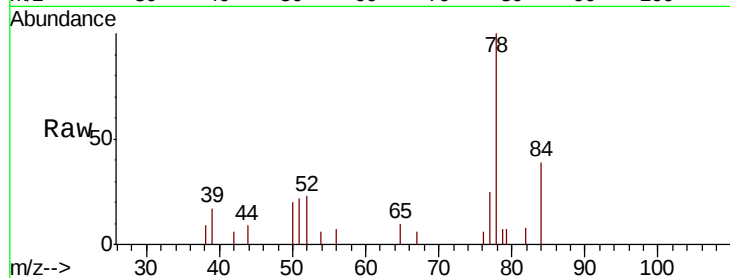
Instrument :

MSVOA_U

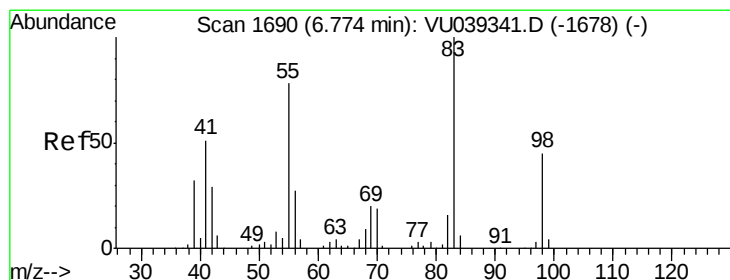
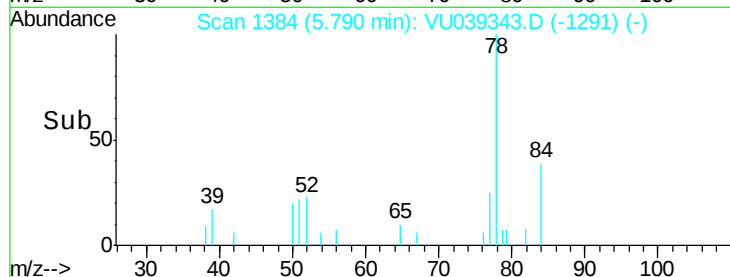
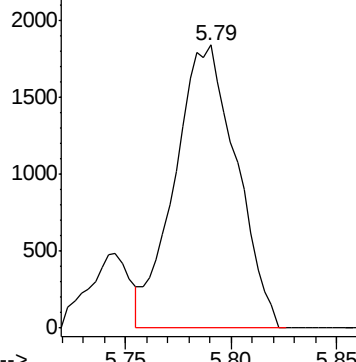
ClientSampled :

H4279

Tgt Ion: 78 Resp: 3743



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.562 ug/L

RT: 6.70 min Scan# 1668

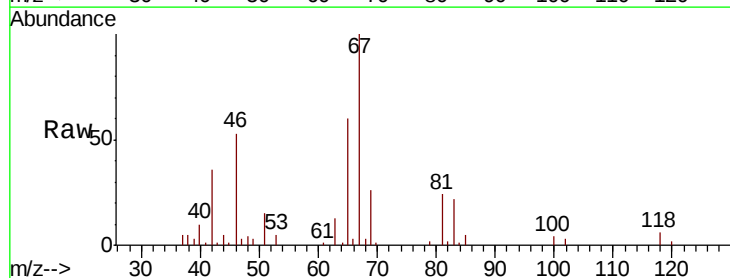
Delta R.T. -0.07 min

Lab File: VU039343.D

Acq: 08 Jul 2020 13:39

Tgt Ion: 83 Resp: 7809

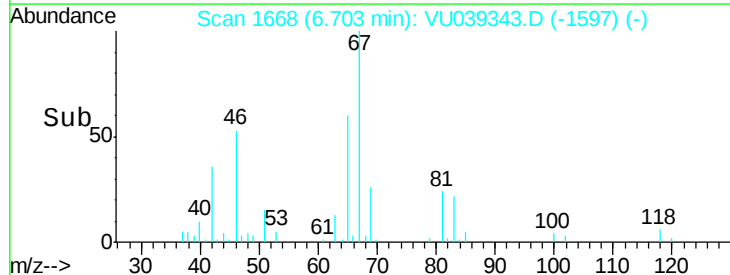
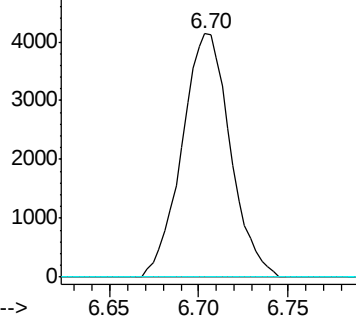
Ion	Ratio	Lower	Upper
83	100		
55	0.0	62.1	93.1#
98	0.0	35.9	53.9#

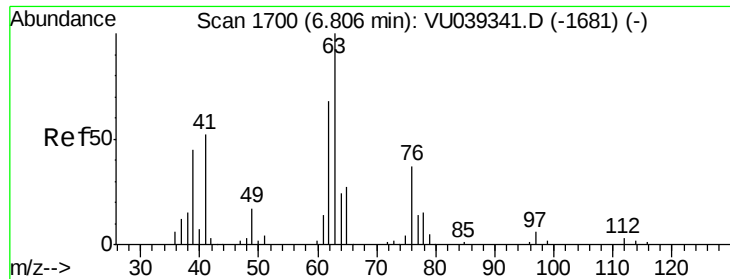


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

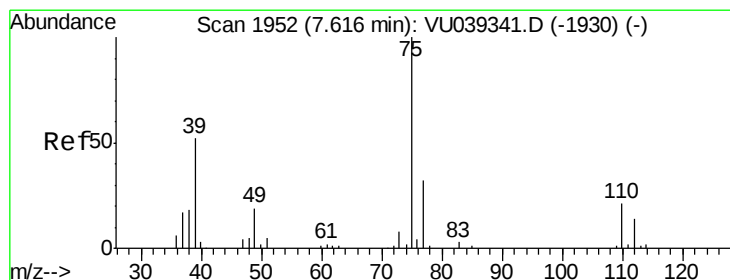
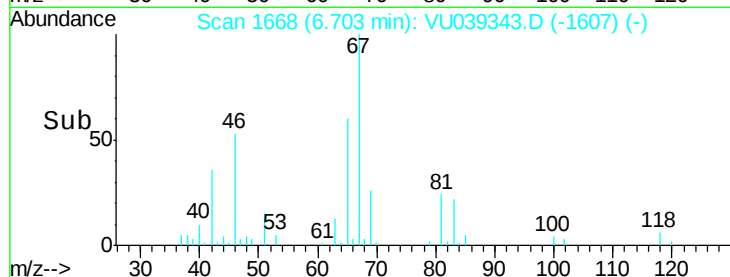
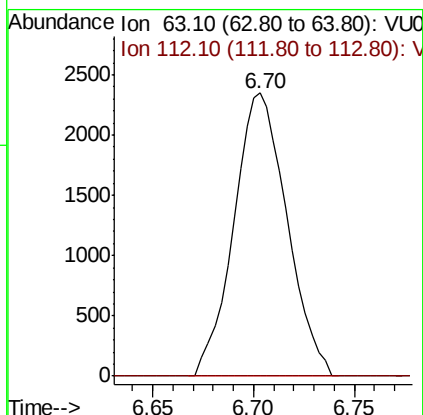
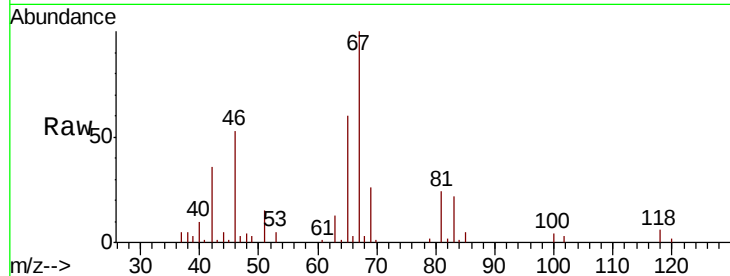




#37
 1,2-Dichloropropane
 Concen: 0.473 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU039343.D
 Acq: 08 Jul 2020 13:39

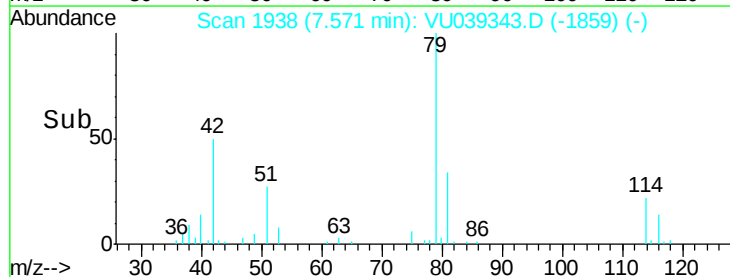
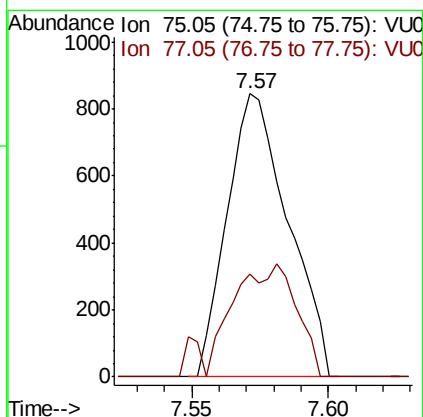
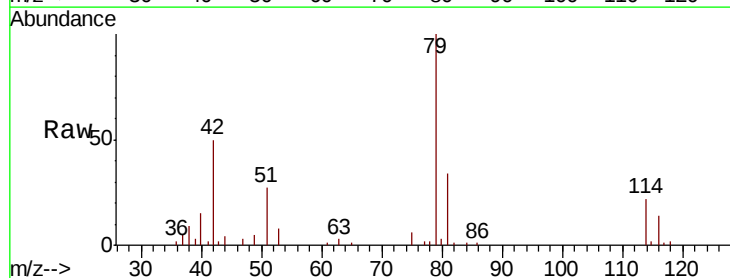
Instrument :
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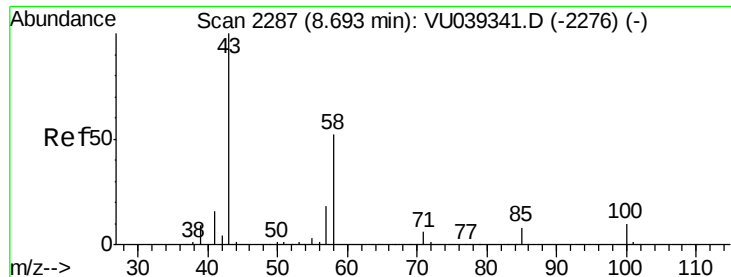
Tot Ion: 63 Resp: 4323
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.5 3.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.095 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU039343.D
 Acq: 08 Jul 2020 13:39

Tgt Ion: 75 Resp: 1314
 Ion Ratio Lower Upper
 75 100
 77 36.2 22.3 41.3

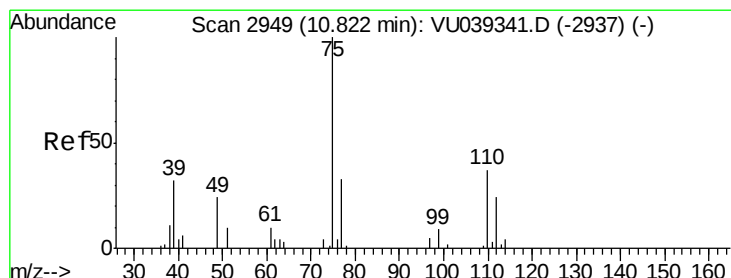
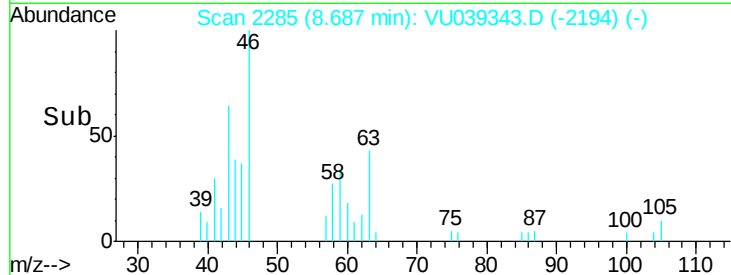
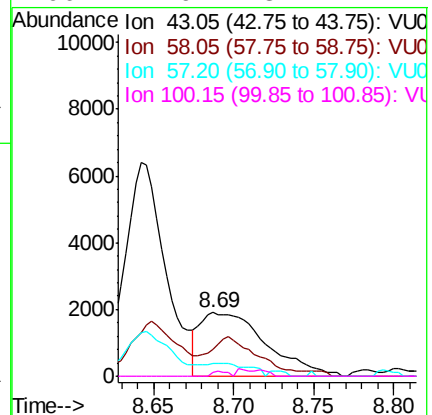
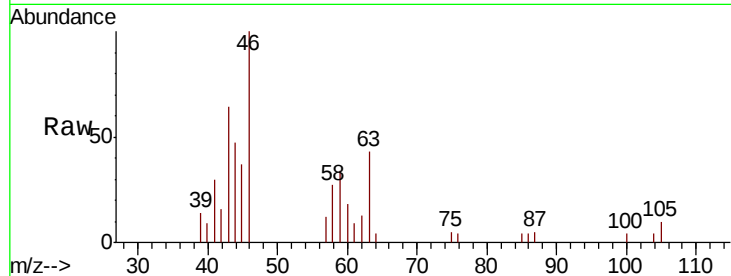




#48
2-Hexanone
Concen: 0.971 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. -0.01 min
Lab File: VU039343.D
Acq: 08 Jul 2020 13:39

Instrument :
MSVOA_U
ClientSampleId :
H4279

Tot Ion: 43 Resp: 5465
Ion Ratio Lower Upper
43 100
58 0.0 42.0 63.0#
57 0.0 14.0 21.0#
100 1.9 8.2 12.2#



#59
1,2,3-Trichloropropane
Concen: 1.255 ug/L
RT: 11.81 min Scan# 3256
Delta R.T. 0.99 min
Lab File: VU039343.D
Acq: 08 Jul 2020 13:39

Tgt Ion: 75 Resp: 8459
Ion Ratio Lower Upper
75 100
77 37.4 26.8 40.2

