

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070720\
 Data File : VU039322.D
 Acq On : 07 Jul 2020 18:24
 Operator : SY/MD
 Sample : L3193-14RE
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4281

Quant Time: Jul 08 01:46:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 08 01:44:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	108579	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	102404	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	48611	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	38952	6.19	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	123.80%
7) Chloroethane-d5	1.93	69	35827	5.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	111.40%
11) 1,1-Dichloroethene-d2	2.58	63	58035	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.80%
20) 2-Butanone-d5	4.67	46	177237	61.55	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.10%
24) Chloroform-d	5.09	84	80130	5.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	119.60%
26) 1,2-Dichloroethane-d4	5.72	65	49874	5.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	118.60%
32) Benzene-d6	5.75	84	157212	6.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	127.60%#
36) 1,2-Dichloropropane-d6	6.71	67	52407	6.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	121.00%
41) Toluene-d8	7.91	98	139344	6.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	130.40%#
43) trans-1,3-Dichloropropene-	8.19	79	22782	5.96	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	119.20%
46) 2-Hexanone-d5	8.64	63	137877	60.77	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	121.54%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	49244	5.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	114.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	55136	6.35	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	127.00%#

Target Compounds

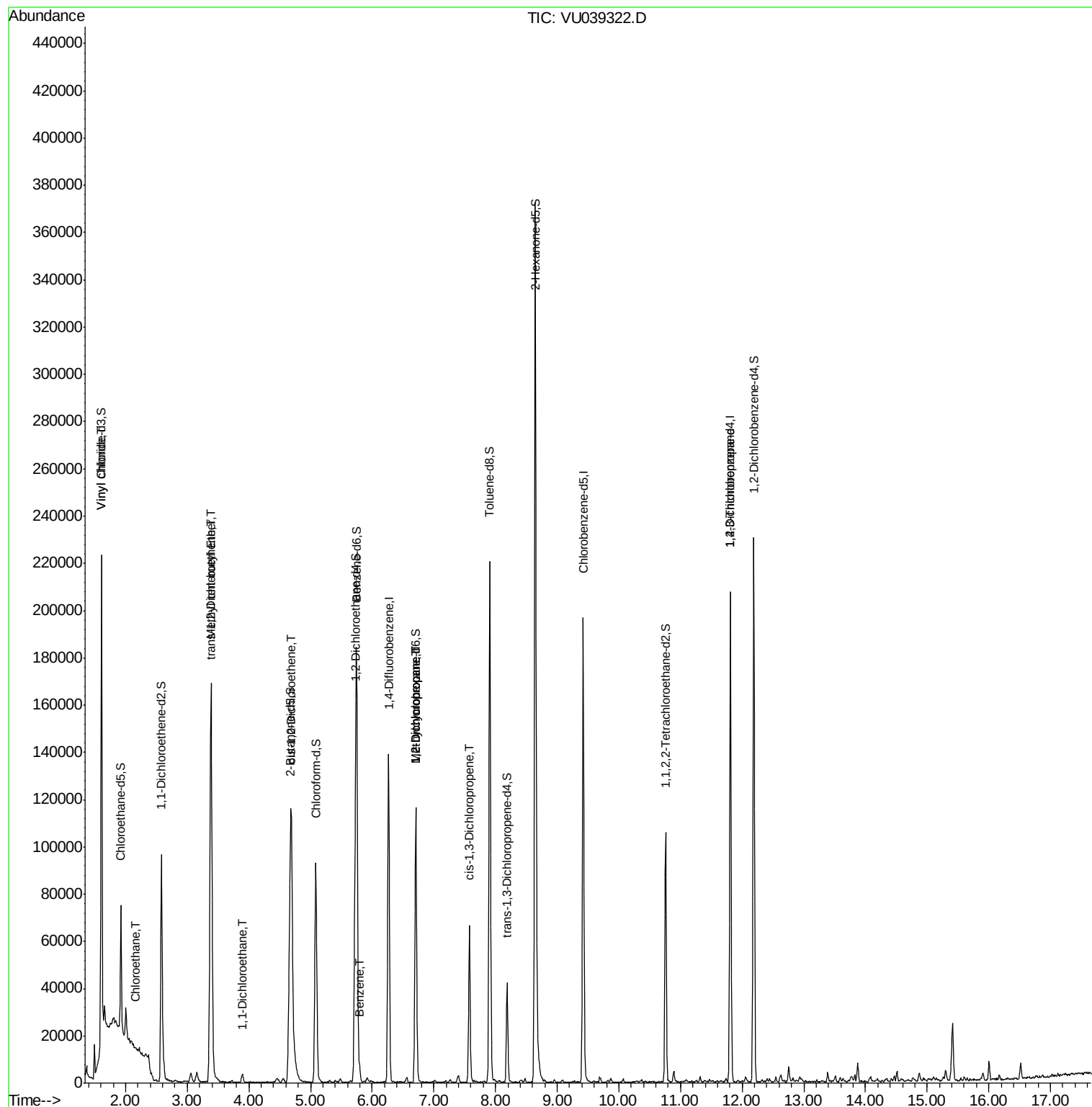
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	81760	9.235	ug/L #	82
8) Chloroethane	2.16	64	1195	0.187	ug/L #	49
17) Methyl tert-butyl Ether	3.39	73	192691	9.470	ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	2502	0.350	ug/L	93
19) 1,1-Dichloroethane	3.89	63	4474	0.320	ug/L	96
22) cis-1,2-Dichloroethene	4.69	96	30901	3.855	ug/L	95
33) Benzene	5.80	78	4633	0.151	ug/L	100
35) Methylcyclohexane	6.71	83	12399	0.978	ug/L #	19
37) 1,2-Dichloropropane	6.71	63	6000	0.719	ug/L #	91
39) cis-1,3-Dichloropropene	7.57	75	1770	0.140	ug/L #	55
59) 1,2,3-Trichloropropane	11.81	75	7165	1.165	ug/L #	79

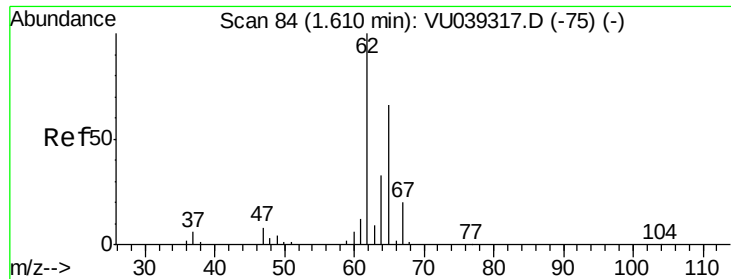
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 08 01:44:57 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 9.235 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039322.D

Acq: 07 Jul 2020 18:24

Instrument :

MSVOA_U

ClientSampled :

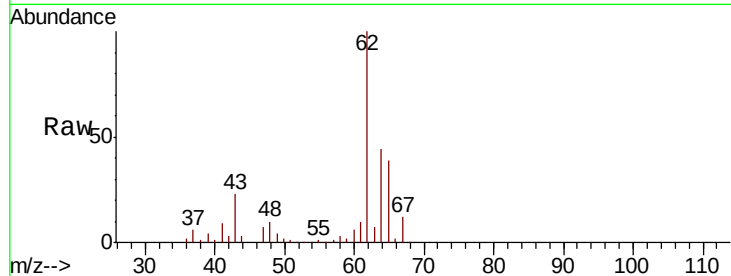
H4281

Tot Ion: 62 Resp: 81760

Ion Ratio Lower Upper

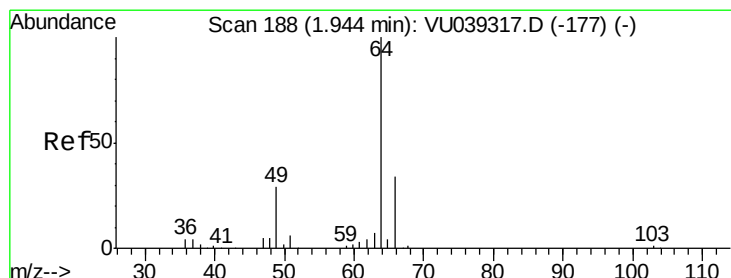
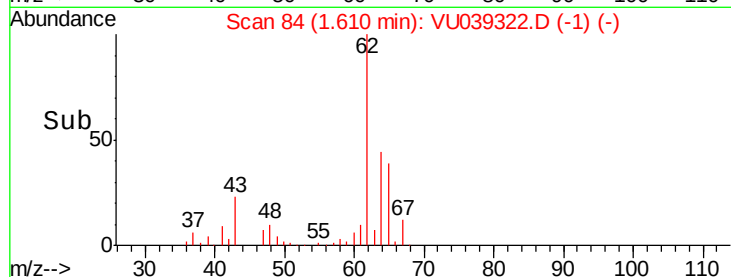
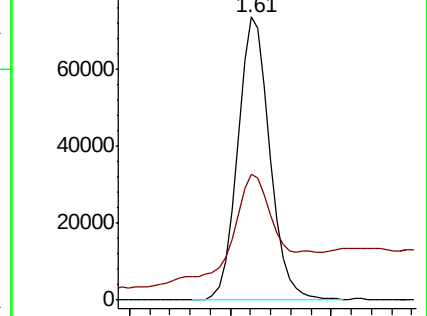
62 100

64 44.3 23.7 44.1#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#8

Chloroethane

Concen: 0.187 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.21 min

Lab File: VU039322.D

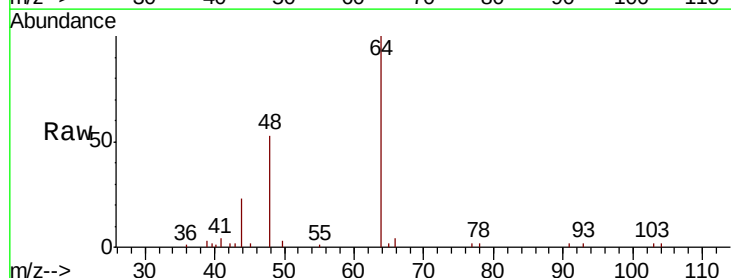
Acq: 07 Jul 2020 18:24

Tgt Ion: 64 Resp: 1195

Ion Ratio Lower Upper

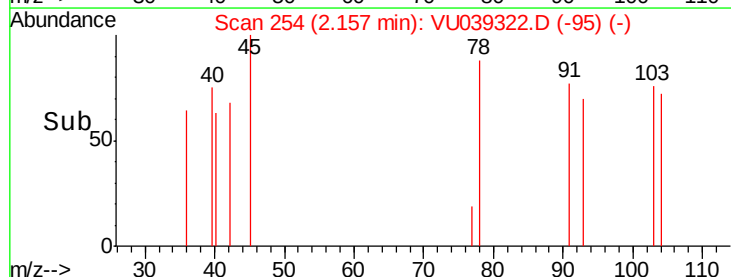
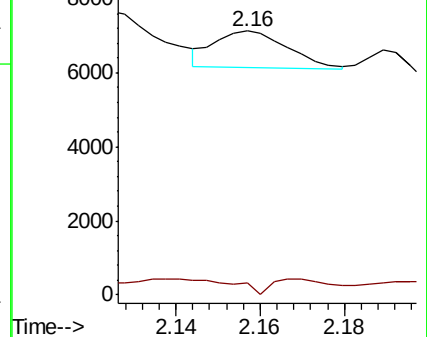
64 100

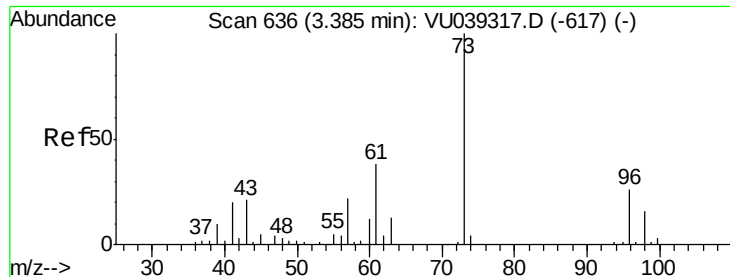
66 4.4 23.5 43.7#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

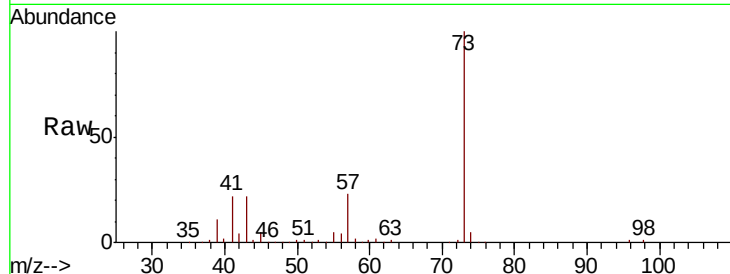




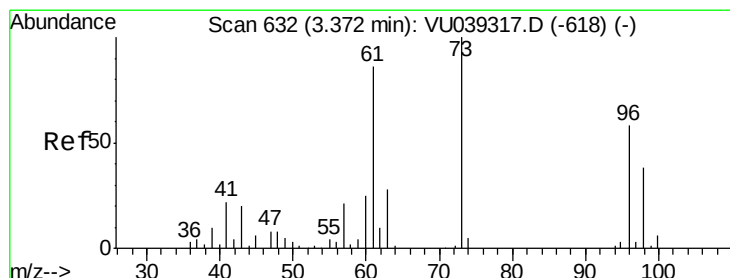
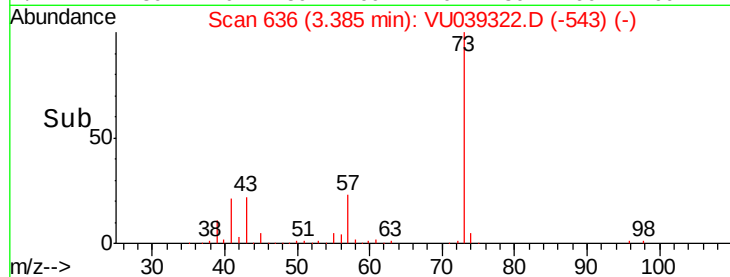
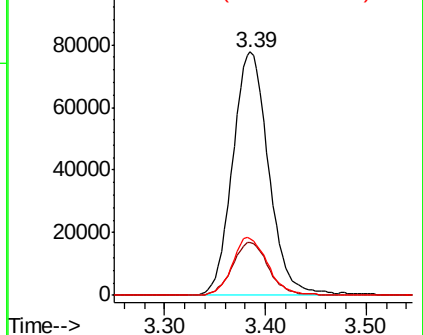
#17
Methyl tert-butyl Ether
Concen: 9.470 ug/L
RT: 3.39 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU039322.D
Acq: 07 Jul 2020 18:24

Instrument :
MSVOA_U
ClientSampled :
H4281

Tot Ion: 73 Resp: 192691
Ion Ratio Lower Upper
73 100
43 22.3 18.6 28.0
57 23.4 17.9 26.9

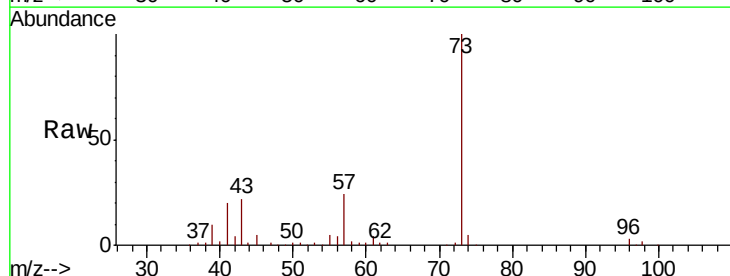


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

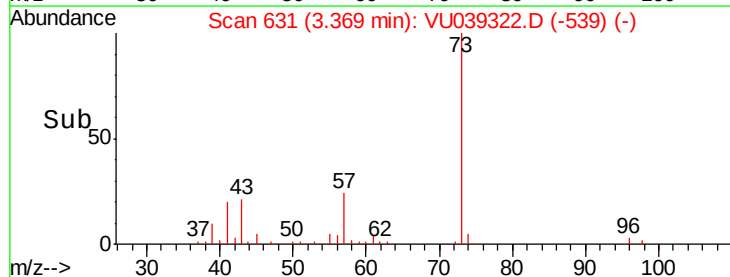
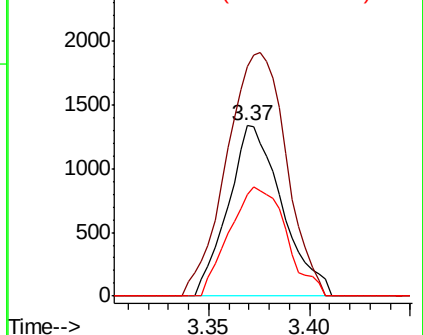


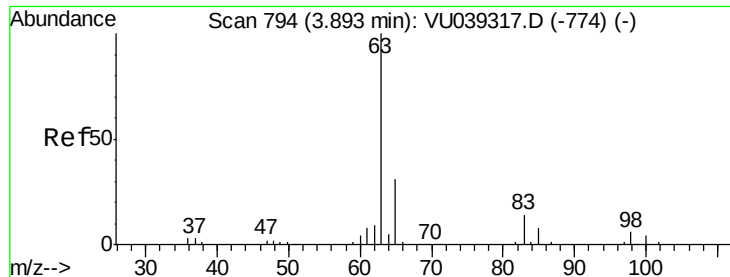
#18
trans-1,2-Dichloroethene
Concen: 0.350 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU039322.D
Acq: 07 Jul 2020 18:24

Tgt Ion: 96 Resp: 2502
Ion Ratio Lower Upper
96 100
61 134.8 102.1 189.5
98 59.7 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

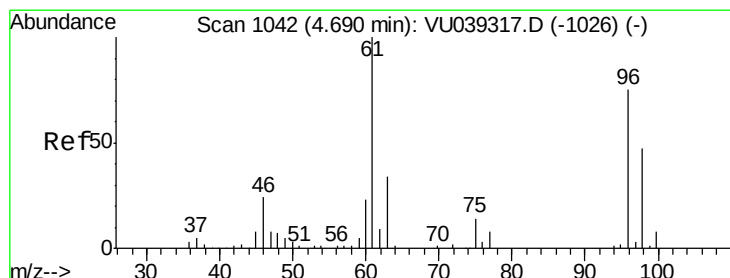
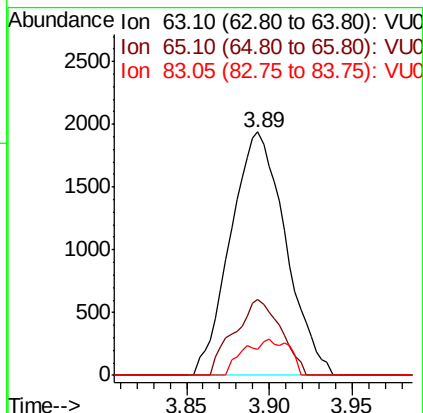
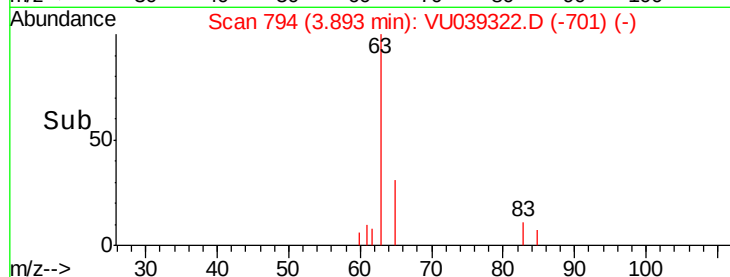
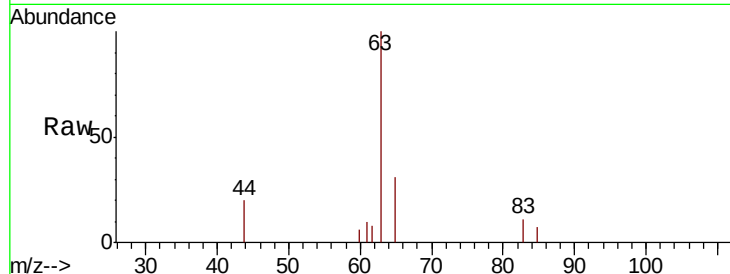




#19
 1,1-Dichloroethane
 Concen: 0.320 ug/L
 RT: 3.89 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VU039322.D
 Acq: 07 Jul 2020 18:24

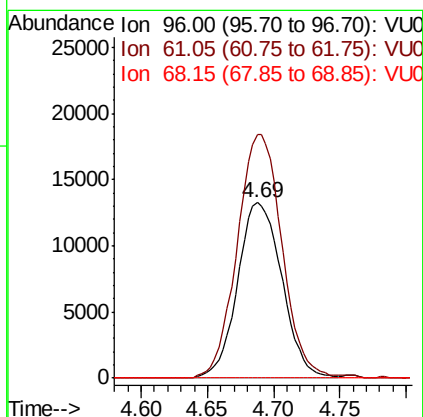
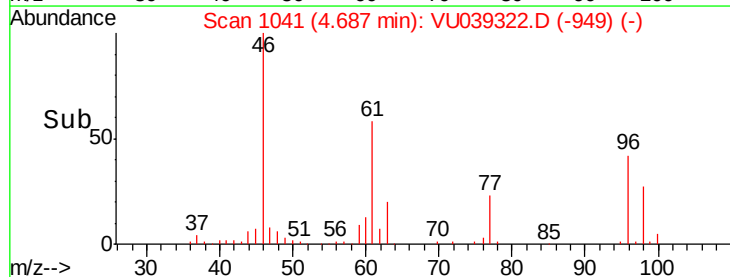
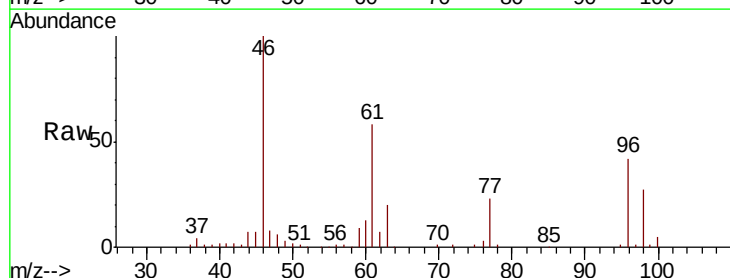
Instrument :
 MSVOA_U
 ClientSampled :
 H4281

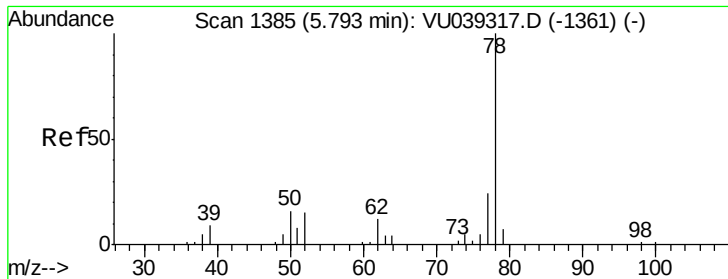
Tot Ion: 63 Resp: 4474
 Ion Ratio Lower Upper
 63 100
 65 31.4 23.0 42.6
 83 10.6 9.6 17.8



#22
 cis-1,2-Dichloroethene
 Concen: 3.855 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: VU039322.D
 Acq: 07 Jul 2020 18:24

Tgt Ion: 96 Resp: 30901
 Ion Ratio Lower Upper
 96 100
 61 138.8 92.8 172.4
 68 0.0 0.0 0.0





#33

Benzene

Concen: 0.151 ug/L

RT: 5.80 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VU039322.D

Acq: 07 Jul 2020 18:24

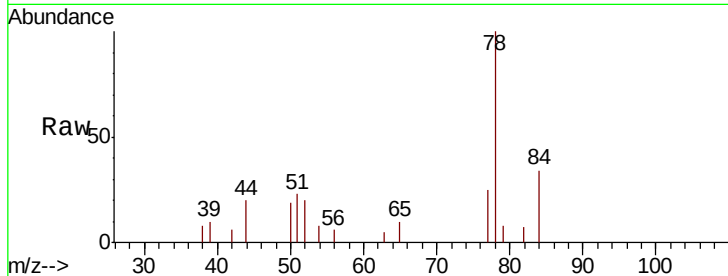
Instrument :

MSVOA_U

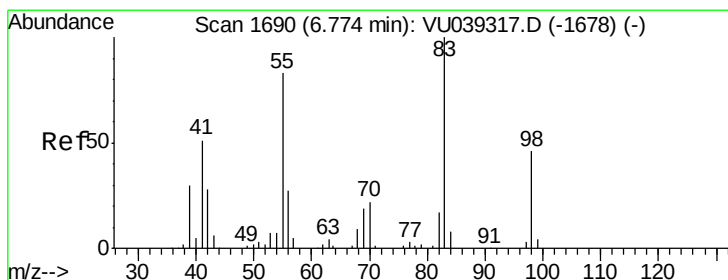
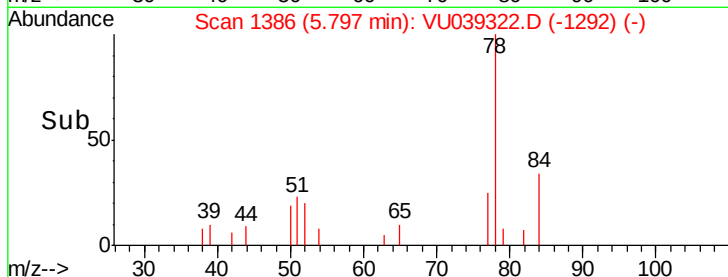
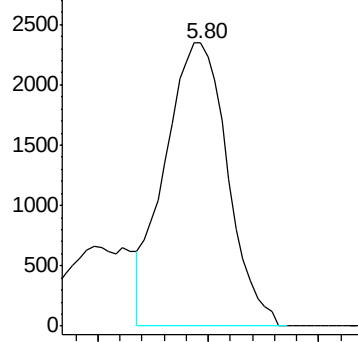
ClientSampleId :

H4281

Tgt Ion: 78 Resp: 4633



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.978 ug/L

RT: 6.71 min Scan# 1669

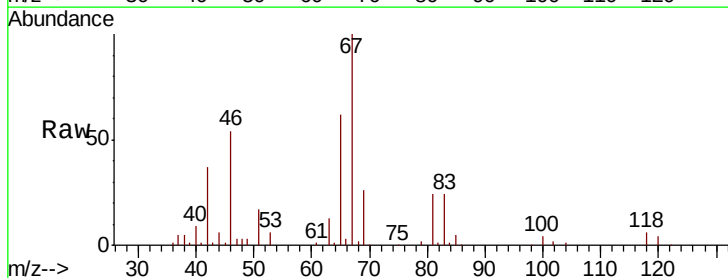
Delta R.T. -0.07 min

Lab File: VU039322.D

Acq: 07 Jul 2020 18:24

Tgt Ion: 83 Resp: 12399

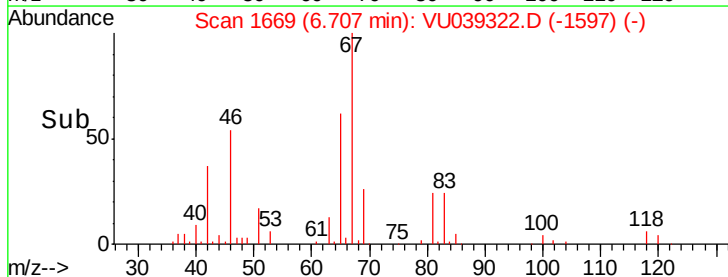
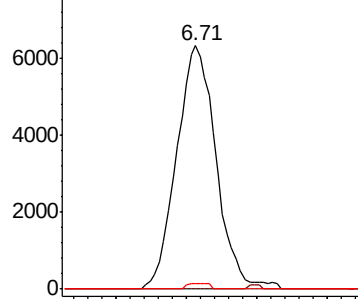
Ion	Ratio	Lower	Upper
83	100		
55	0.5	62.1	93.1#
98	1.3	35.9	53.9#

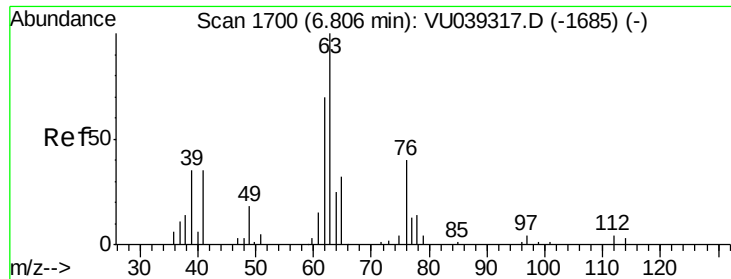


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

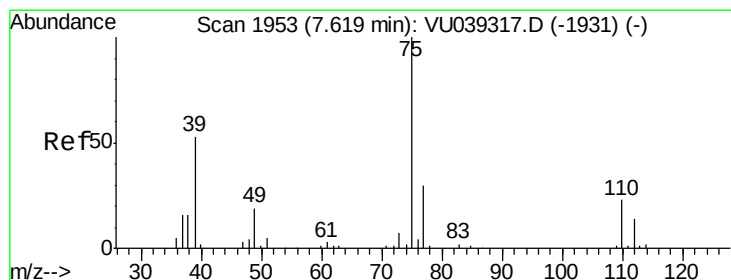
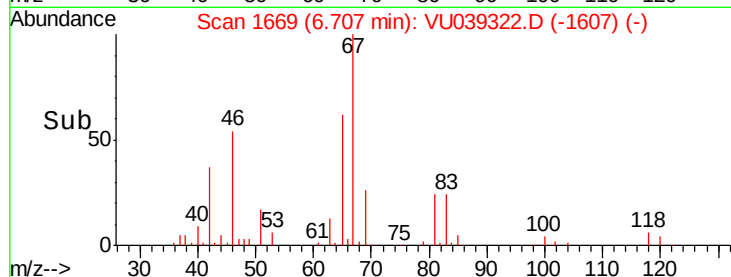
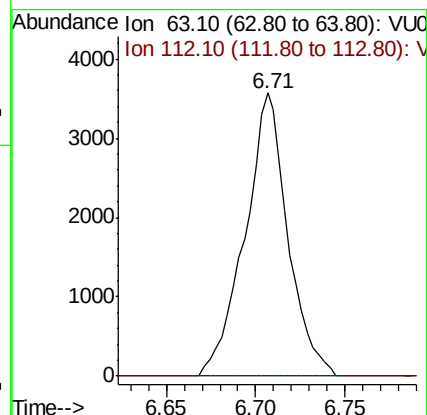
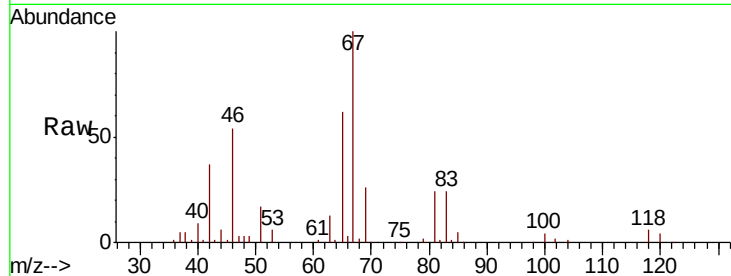




#37
 1,2-Dichloropropane
 Concen: 0.719 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.10 min
 Lab File: VU039322.D
 Acq: 07 Jul 2020 18:24

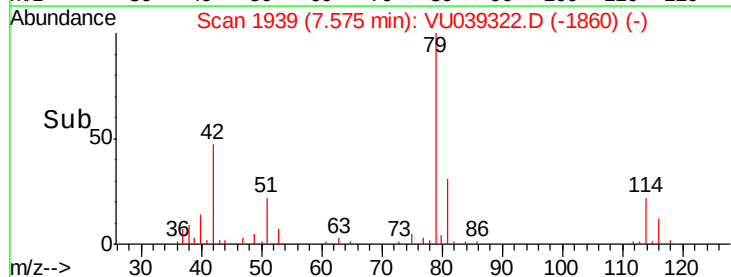
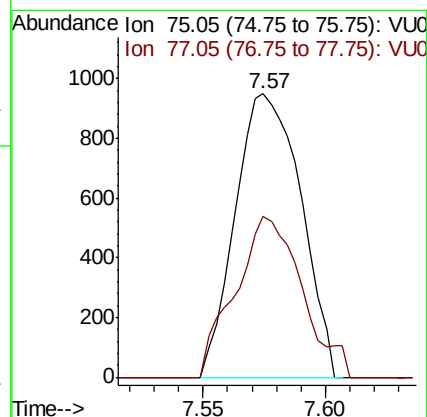
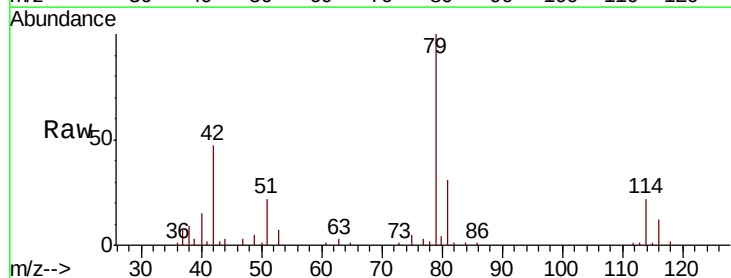
Instrument :
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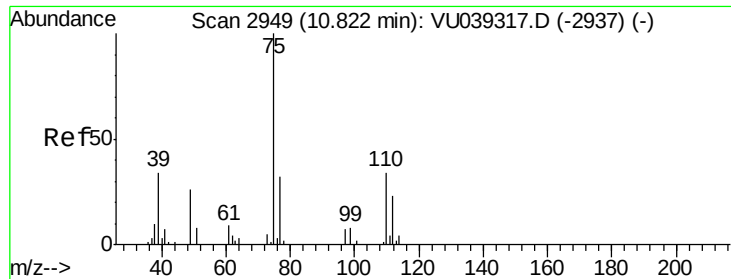
Tot Ion: 63 Resp: 6000
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.5 3.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.140 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU039322.D
 Acq: 07 Jul 2020 18:24

Tgt Ion: 75 Resp: 1770
 Ion Ratio Lower Upper
 75 100
 77 56.9 22.3 41.3#





#59

1,2,3-Trichloropropane

Concen: 1.165 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039322.D

Acq: 07 Jul 2020 18:24

Instrument :

MSVOA_U

ClientSampleId :

H4281

Tot Ion: 75 Resp: 7165

Ion Ratio Lower Upper

75 100

77 45.5 26.8 40.2#

