

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070720\
 Data File : VU039331.D
 Acq On : 07 Jul 2020 21:51
 Operator : SY/MD
 Sample : L3193-04DL 2X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4280DL

Quant Time: Jul 08 01:48:07 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	113780	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	103277	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	48492	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	37847	5.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	114.80%
7) Chloroethane-d5	1.93	69	37844	5.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	112.20%
11) 1,1-Dichloroethene-d2	2.58	63	55826	4.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.00%
20) 2-Butanone-d5	4.65	46	171574	56.86	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.72%
24) Chloroform-d	5.09	84	79032	5.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.60%
26) 1,2-Dichloroethane-d4	5.72	65	48528	5.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.20%
32) Benzene-d6	5.75	84	156881	6.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	126.20%#
36) 1,2-Dichloropropane-d6	6.71	67	54121	6.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	124.00%
41) Toluene-d8	7.91	98	139120	6.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	129.00%
43) trans-1,3-Dichloropropene-	8.19	79	21448	5.56	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	111.20%
46) 2-Hexanone-d5	8.64	63	127571	55.75	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.50%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	47828	5.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	54545	6.30	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	126.00%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	821	0.098	ug/L	96
5) Vinyl chloride	1.61	62	78694	8.482	ug/L	97
8) Chloroethane	1.95	64	762	0.114	ug/L #	52
12) 1,1-Dichloroethene	2.58	96	407	0.060	ug/L #	1
13) Acetone	2.66	43	1671	1.026	ug/L	90
15) Methyl Acetate	3.05	43	1356	0.315	ug/L #	52
16) Methylene chloride	3.06	84	1343	0.158	ug/L	92
18) trans-1,2-Dichloroethene	3.38	96	2454	0.328	ug/L	94
19) 1,1-Dichloroethane	3.89	63	1215	0.083	ug/L #	49
22) cis-1,2-Dichloroethene	4.69	96	53142	6.326	ug/L	99
30) Cyclohexane	5.41	56	918	0.072	ug/L #	81
33) Benzene	5.79	78	3064	0.099	ug/L	100
35) Methylcyclohexane	6.71	83	11597	0.907	ug/L #	18
37) 1,2-Dichloropropane	6.70	63	5878	0.698	ug/L #	91
39) cis-1,3-Dichloropropene	7.58	75	1836	0.144	ug/L #	74
48) 2-Hexanone	8.70	43	5080	0.981	ug/L #	84
59) 1,2,3-Trichloropropane	11.81	75	7272	1.172	ug/L	88

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

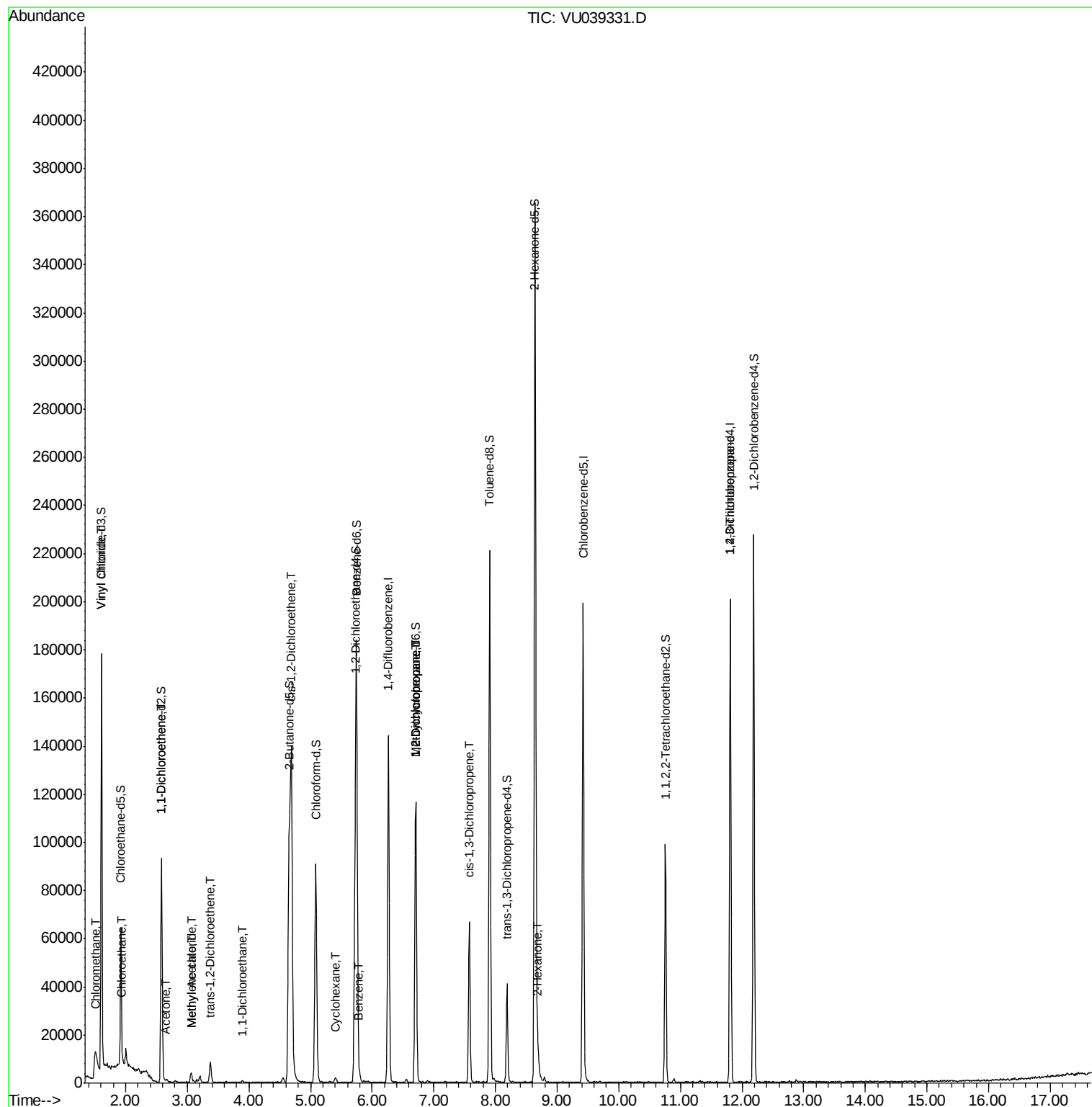
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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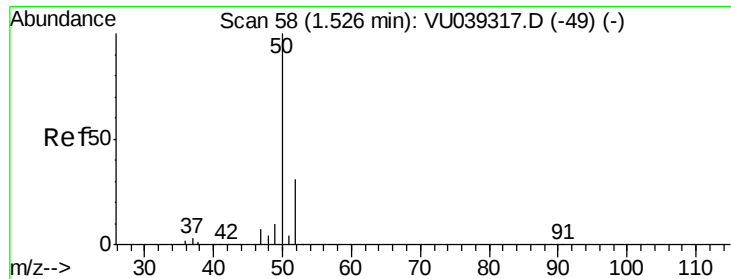
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.098 ug/L

RT: 1.53 min Scan# 59

Delta R.T. 0.00 min

Lab File: VU039331.D

Acq: 07 Jul 2020 21:51

Instrument :

MSVOA_U

ClientSampleId :

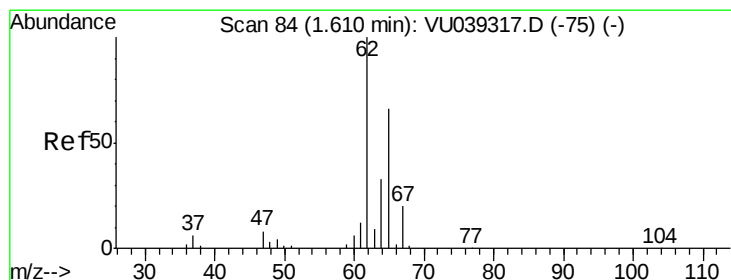
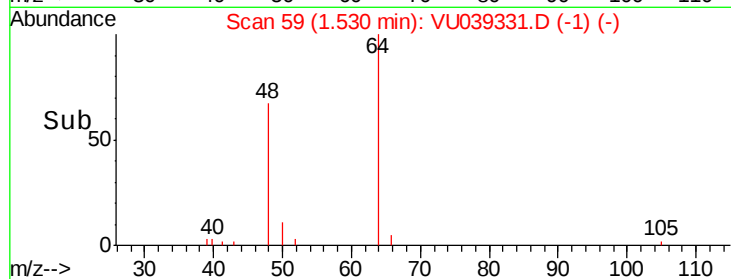
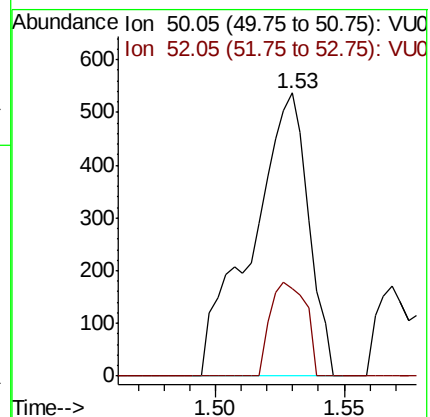
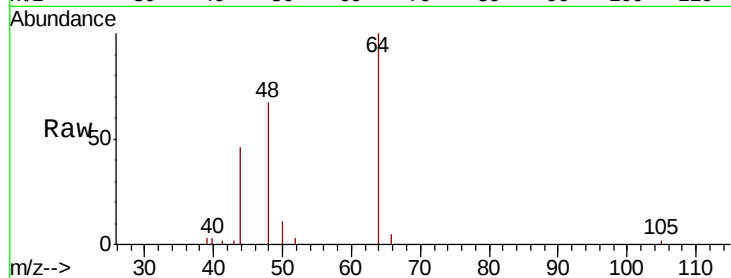
H4280DL

Tot Ion: 50 Resp: 821

Ion Ratio Lower Upper

50 100

52 30.7 23.0 42.8



#5

Vinyl chloride

Concen: 8.482 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039331.D

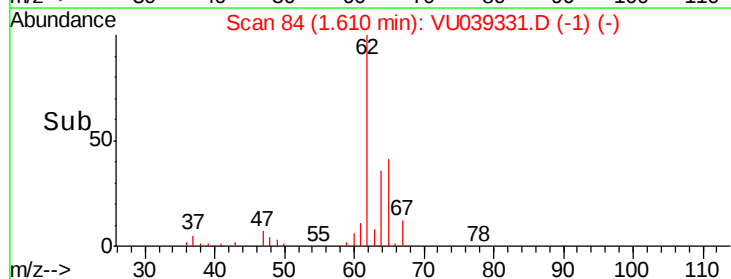
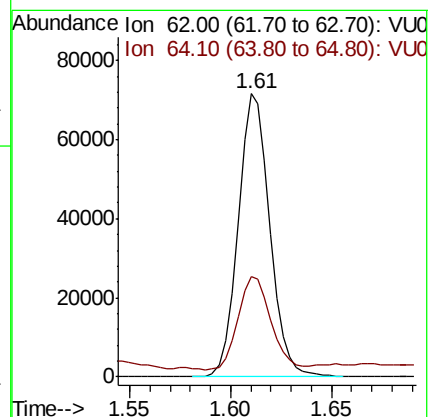
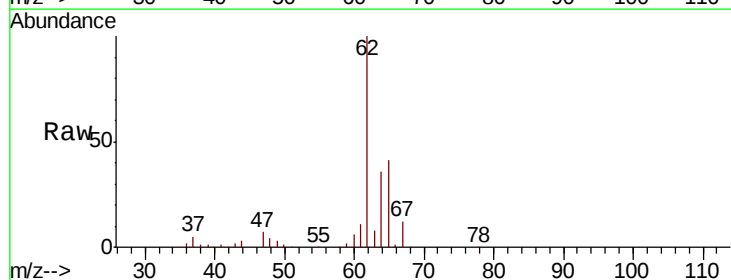
Acq: 07 Jul 2020 21:51

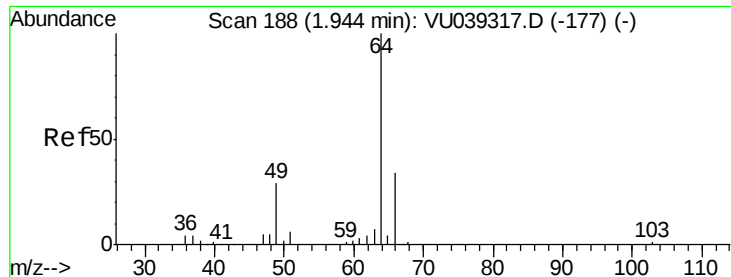
Tgt Ion: 62 Resp: 78694

Ion Ratio Lower Upper

62 100

64 35.7 23.7 44.1





#8

Chloroethane

Concen: 0.114 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.01 min

Lab File: VU039331.D

Acq: 07 Jul 2020 21:51

Instrument :

MSVOA_U

ClientSampleId :

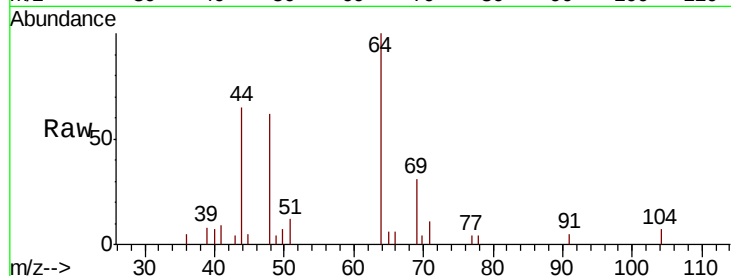
H4280DL

Tot Ion: 64 Resp: 762

Ion Ratio Lower Upper

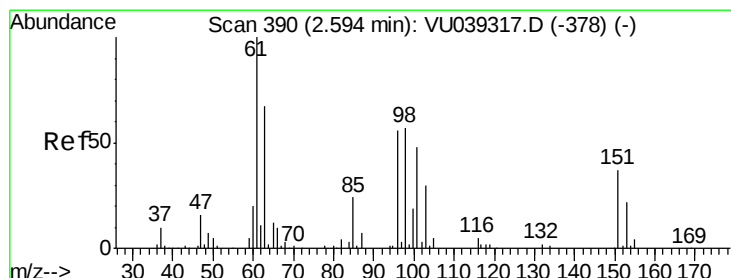
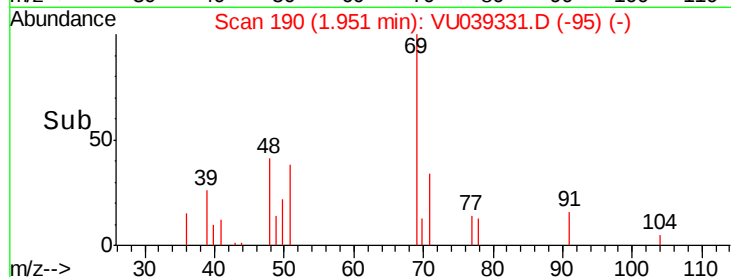
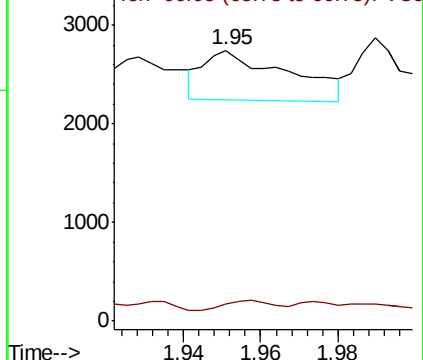
64 100

66 6.3 23.5 43.7#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#12

1,1-Dichloroethene

Concen: 0.060 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU039331.D

Acq: 07 Jul 2020 21:51

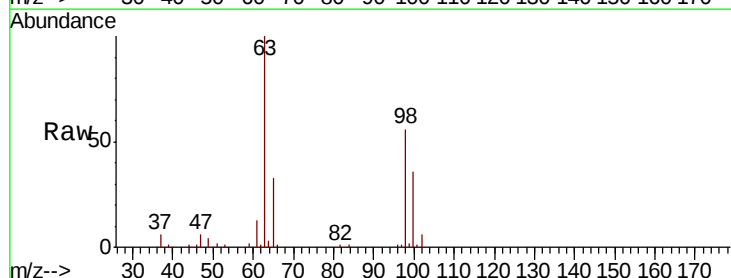
Tgt Ion: 96 Resp: 407

Ion Ratio Lower Upper

96 100

61 1299.7 125.4 232.8#

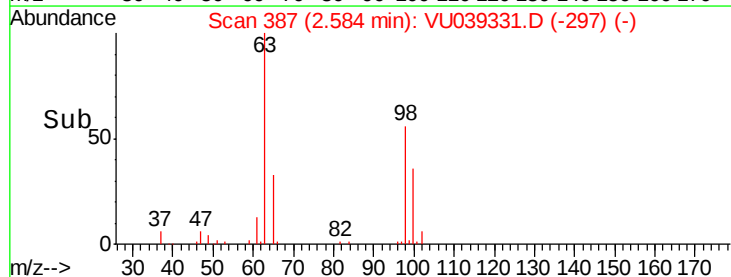
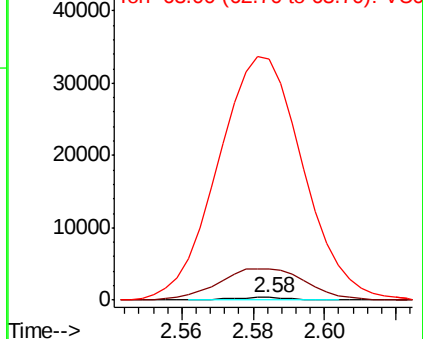
63 10125.2 92.7 172.3#

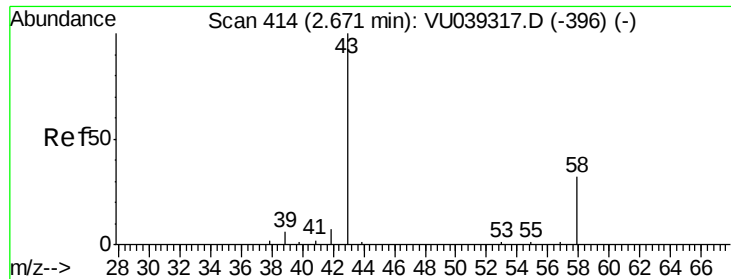


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.026 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.01 min

Lab File: VU039331.D

Acq: 07 Jul 2020 21:51

Instrument :

MSVOA_U

ClientSampleId :

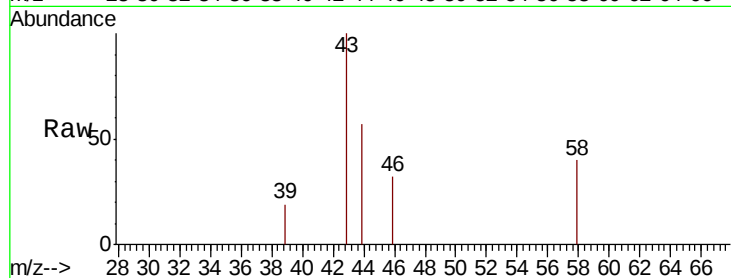
H4280DL

Tot Ion: 43 Resp: 1671

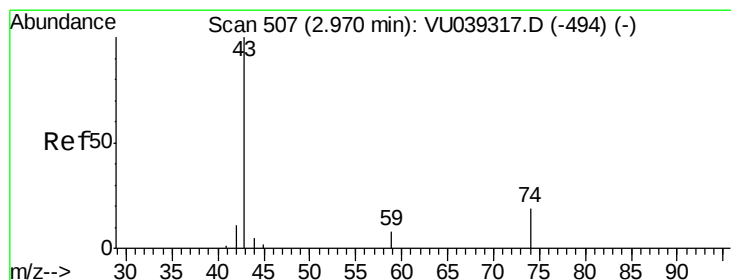
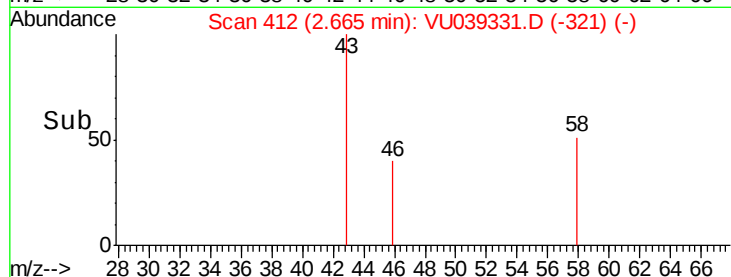
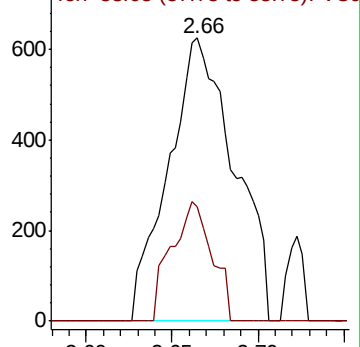
Ion Ratio Lower Upper

43 100

58 26.0 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU039331.D (-412) (-)



#15

Methyl Acetate

Concen: 0.315 ug/L

RT: 3.05 min Scan# 533

Delta R.T. 0.08 min

Lab File: VU039331.D

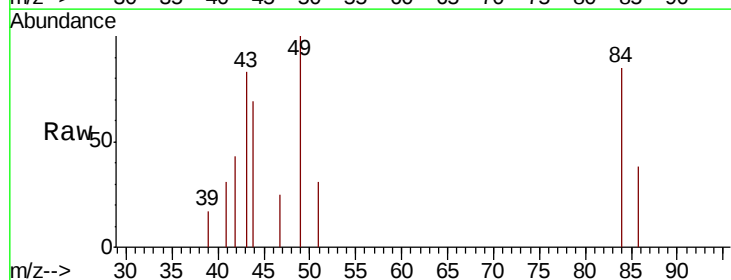
Acq: 07 Jul 2020 21:51

Tgt Ion: 43 Resp: 1356

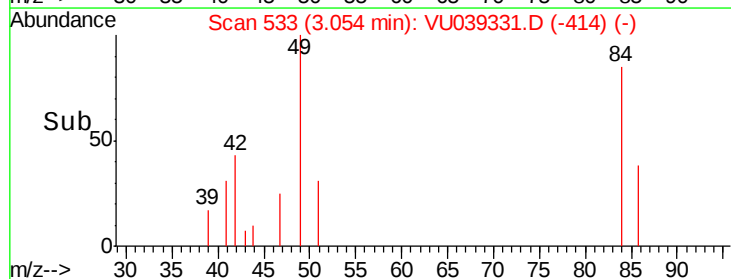
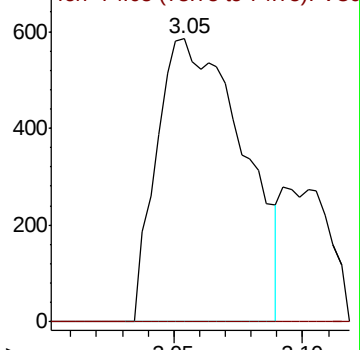
Ion Ratio Lower Upper

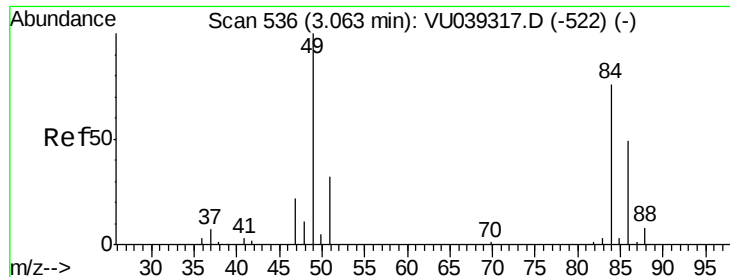
43 100

74 0.0 18.7 28.1#



Abundance Ion 43.05 (42.75 to 43.75): VU039331.D (-414) (-)

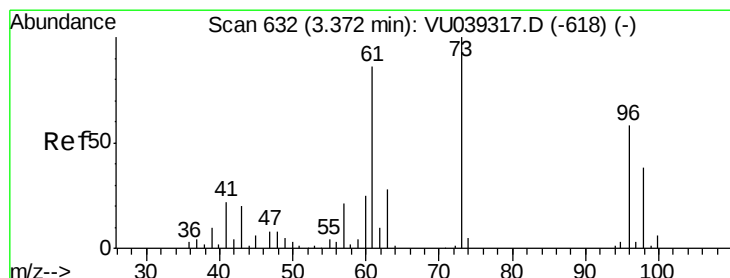
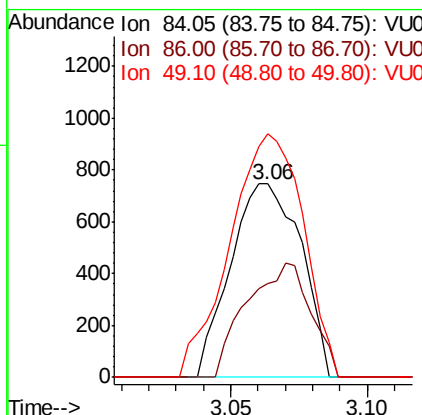
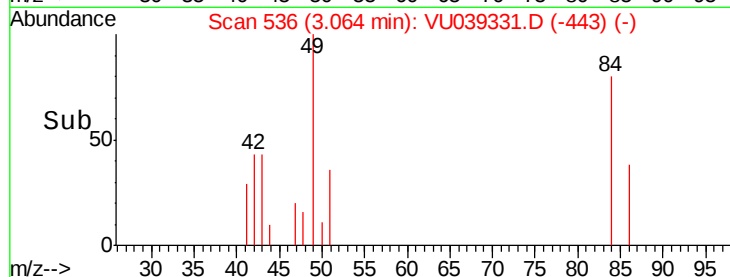
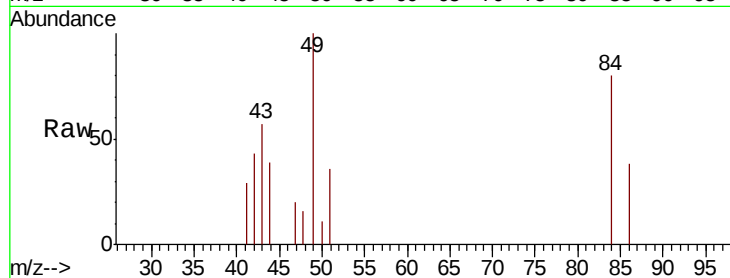




#16
Methylene chloride
Concen: 0.158 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU039331.D
Acq: 07 Jul 2020 21:51

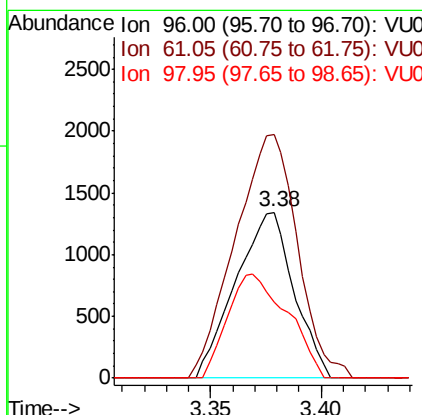
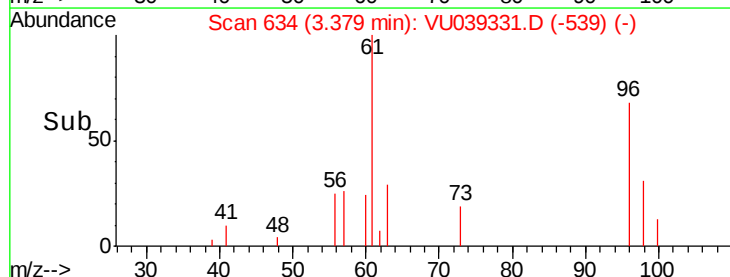
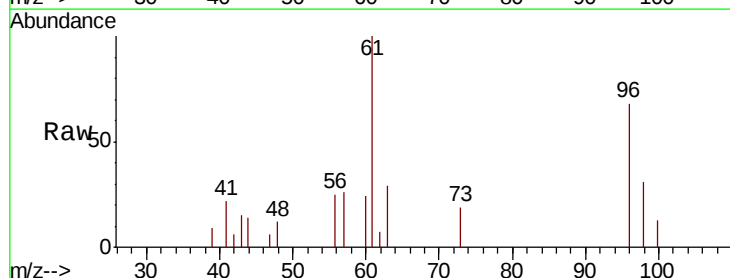
Instrument :
MSVOA_U
ClientSampleId :
H4280DL

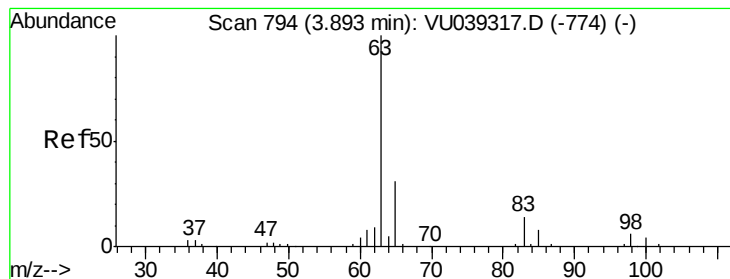
Tot Ion: 84 Resp: 1343
Ion Ratio Lower Upper
84 100
86 48.3 43.5 80.9
49 125.7 91.1 169.1



#18
trans-1,2-Dichloroethene
Concen: 0.328 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.01 min
Lab File: VU039331.D
Acq: 07 Jul 2020 21:51

Tgt Ion: 96 Resp: 2454
Ion Ratio Lower Upper
96 100
61 146.5 102.1 189.5
98 45.9 42.5 78.9





#19

1,1-Dichloroethane

Concen: 0.083 ug/L

RT: 3.89 min Scan# 794

Delta R.T. 0.00 min

Lab File: VU039331.D

Acq: 07 Jul 2020 21:51

Instrument :

MSVOA_U

ClientSampleId :

H4280DL

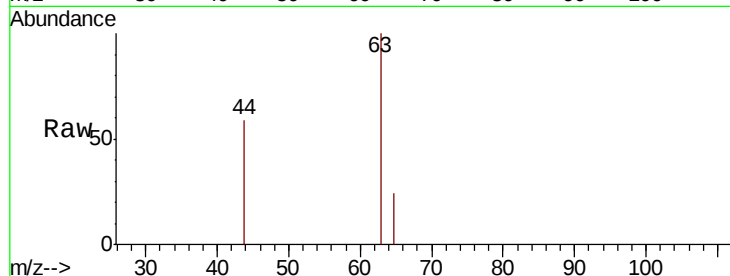
Tot Ion: 63 Resp: 1215

Ion Ratio Lower Upper

63 100

65 0.0 23.0 42.6#

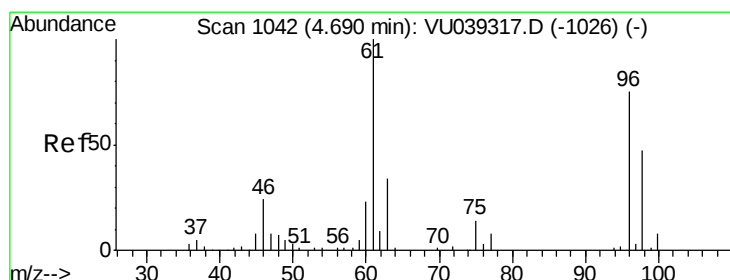
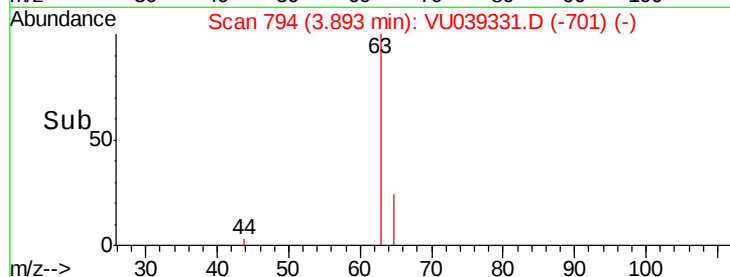
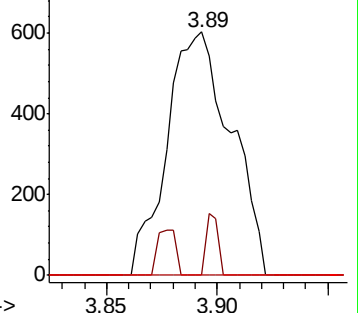
83 0.0 9.6 17.8#



Abundance Ion 63.10 (62.80 to 63.80): VU039331.D (-774) (-)

Ion 65.10 (64.80 to 65.80): VU039331.D (-774) (-)

Ion 83.05 (82.75 to 83.75): VU039331.D (-774) (-)



#22

cis-1,2-Dichloroethene

Concen: 6.326 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU039331.D

Acq: 07 Jul 2020 21:51

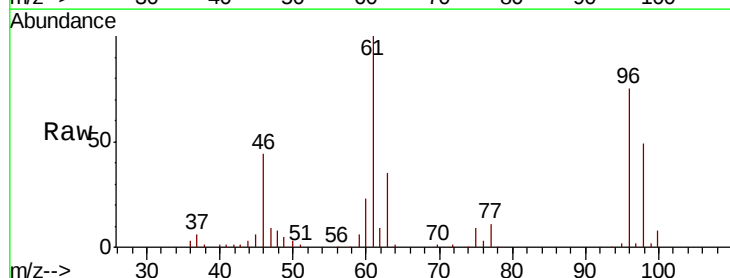
Tgt Ion: 96 Resp: 53142

Ion Ratio Lower Upper

96 100

61 133.4 92.8 172.4

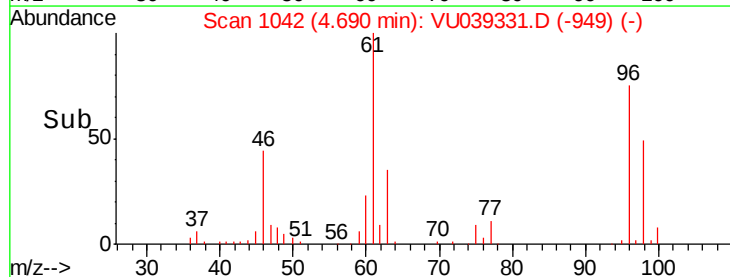
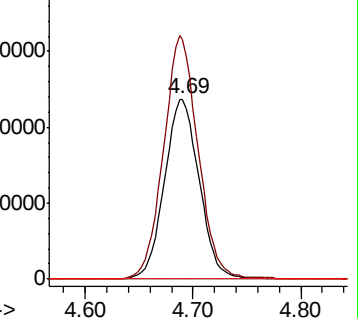
68 0.0 0.0 0.0

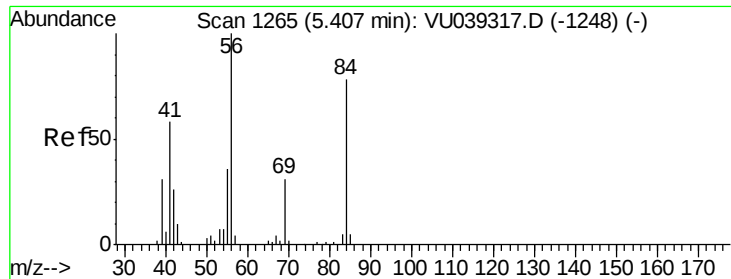


Abundance Ion 96.00 (95.70 to 96.70): VU039331.D (-1026) (-)

Ion 61.05 (60.75 to 61.75): VU039331.D (-1026) (-)

Ion 68.15 (67.85 to 68.85): VU039331.D (-1026) (-)

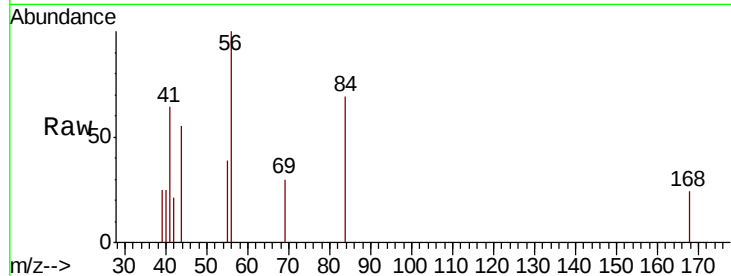




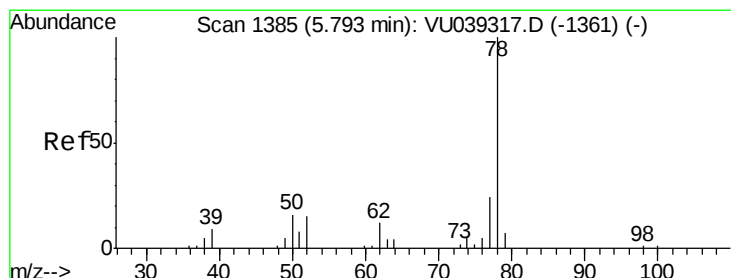
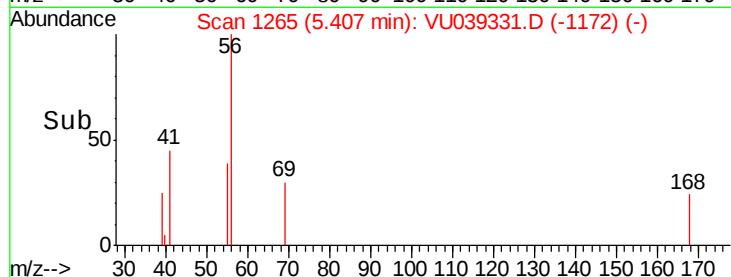
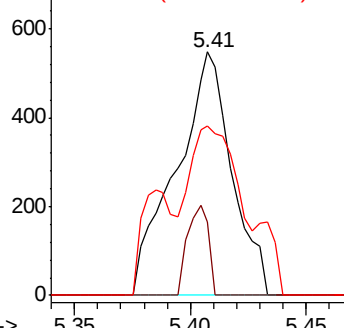
#30
Cyclohexane
Concen: 0.072 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VU039331.D
Acq: 07 Jul 2020 21:51

Instrument :
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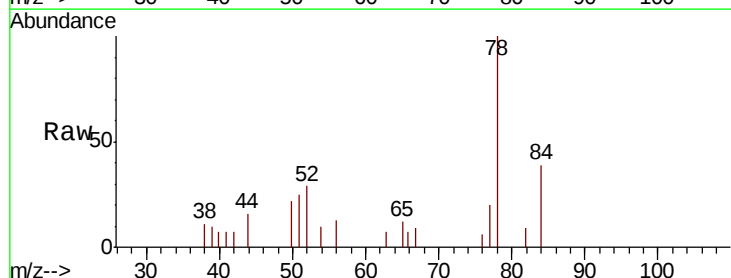
Tot Ion: 56 Resp: 918
Ion Ratio Lower Upper
56 100
69 13.9 24.1 36.1#
84 70.6 67.0 100.6



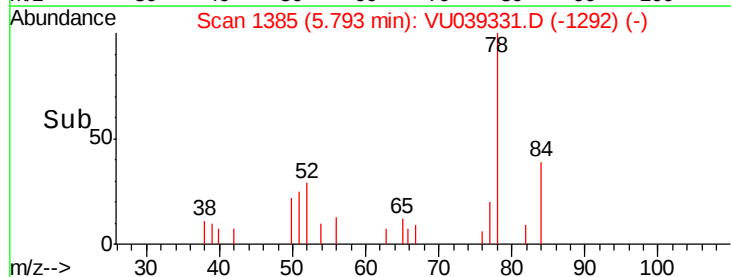
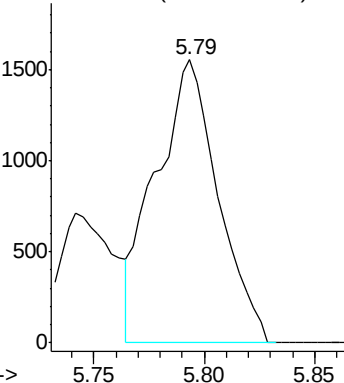
Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0

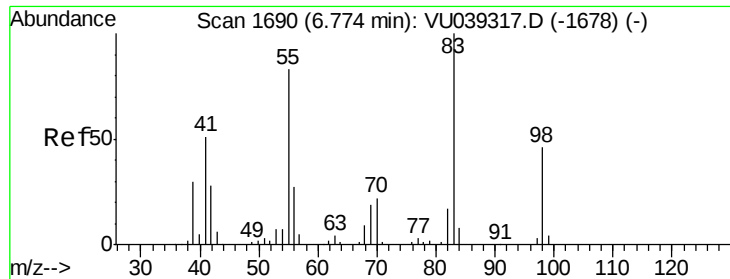


#33
Benzene
Concen: 0.099 ug/L
RT: 5.79 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VU039331.D
Acq: 07 Jul 2020 21:51
Tgt Ion: 78 Resp: 3064



Abundance Ion 78.10 (77.80 to 78.80): VU0

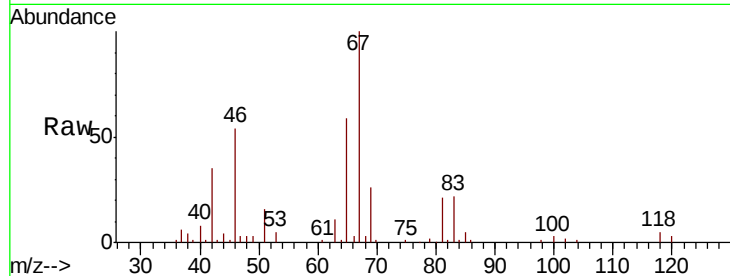




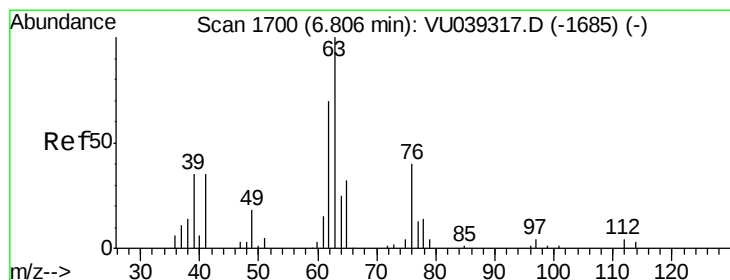
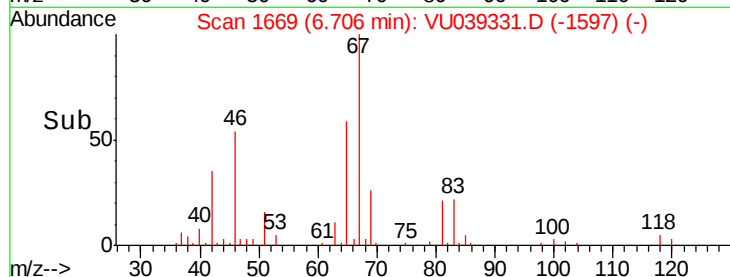
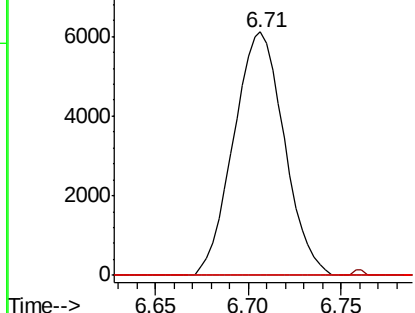
#35
Methylcyclohexane
Concen: 0.907 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.07 min
Lab File: VU039331.D
Acq: 07 Jul 2020 21:51

Instrument :
MSVOA_U
ClientSampleId :
H4280DL

Tot Ion: 83 Resp: 11597
Ion Ratio Lower Upper
83 100
55 0.4 62.1 93.1#
98 0.0 35.9 53.9#

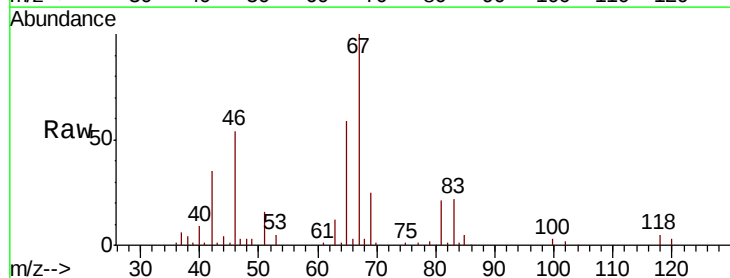


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

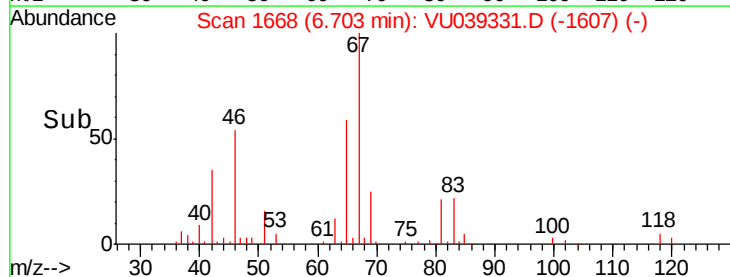
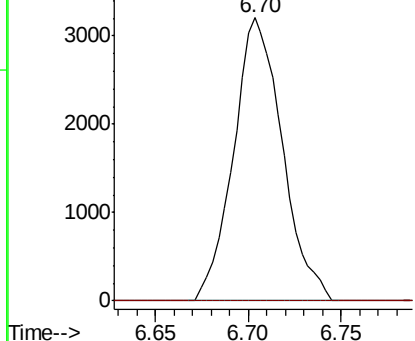


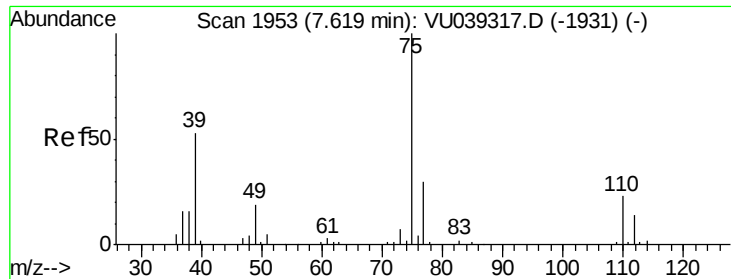
#37
1,2-Dichloropropane
Concen: 0.698 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU039331.D
Acq: 07 Jul 2020 21:51

Tgt Ion: 63 Resp: 5878
Ion Ratio Lower Upper
63 100
112 0.0 2.5 3.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

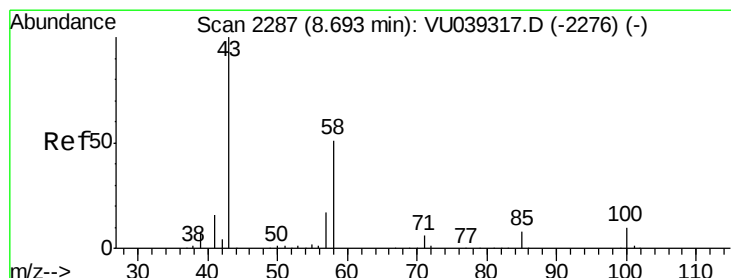
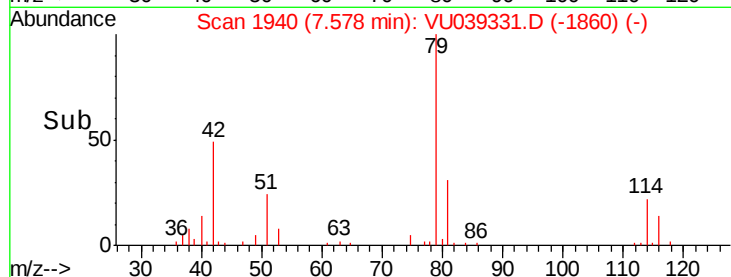
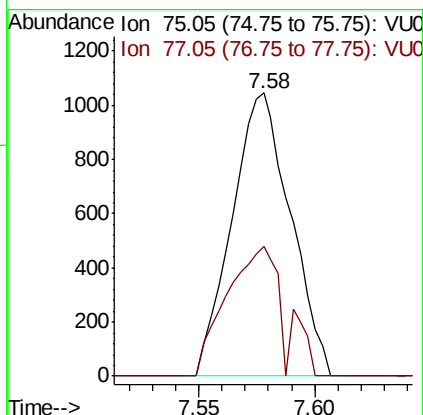
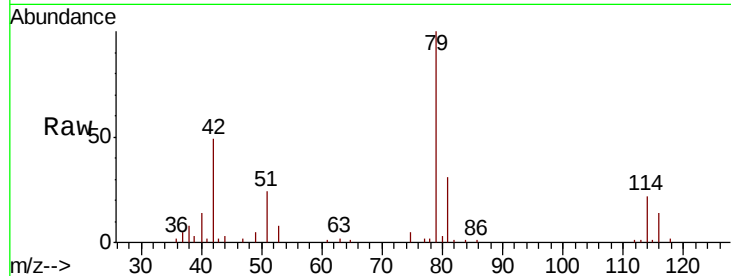




#39
 cis-1,3-Dichloropropene
 Concen: 0.144 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU039331.D
 Acq: 07 Jul 2020 21:51

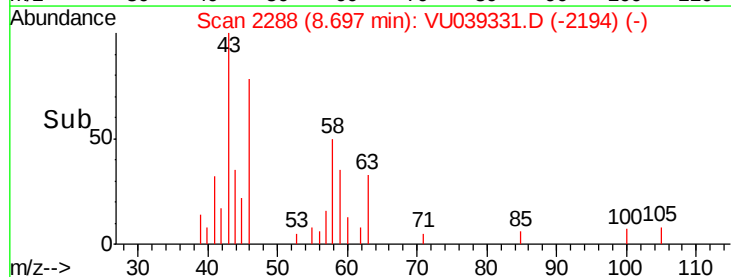
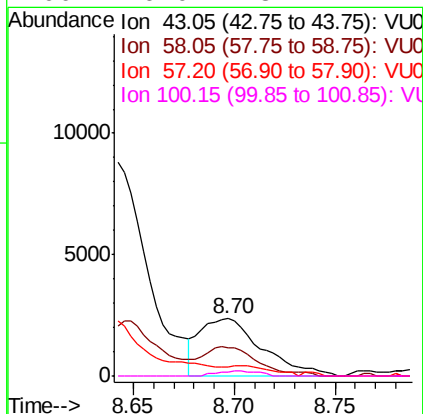
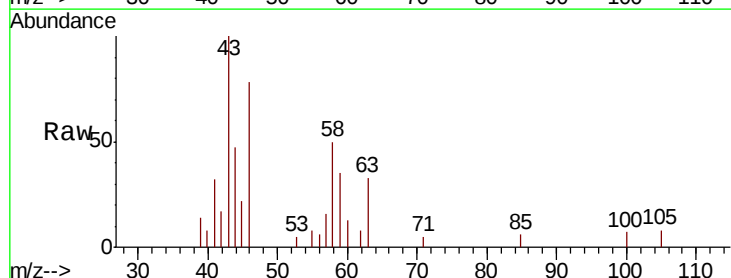
Instrument :
 MSVOA_U
 ClientSampleId :
 H4280DL

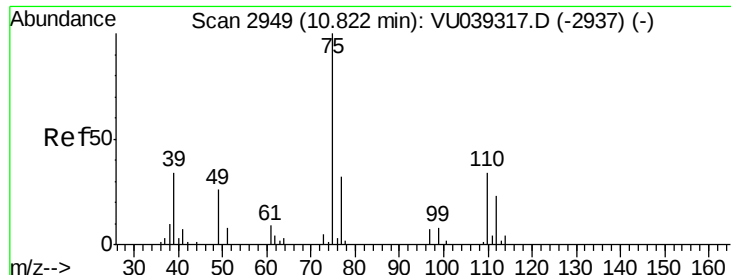
Tot Ion: 75 Resp: 1836
 Ion Ratio Lower Upper
 75 100
 77 46.0 22.3 41.3#



#48
 2-Hexanone
 Concen: 0.981 ug/L
 RT: 8.70 min Scan# 2288
 Delta R.T. 0.00 min
 Lab File: VU039331.D
 Acq: 07 Jul 2020 21:51

Tgt Ion: 43 Resp: 5080
 Ion Ratio Lower Upper
 43 100
 58 45.7 42.0 63.0
 57 0.0 14.0 21.0#
 100 6.0 8.2 12.2#





#59

1,2,3-Trichloropropane

Concen: 1.172 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039331.D

Acq: 07 Jul 2020 21:51

Instrument :

MSVOA_U

ClientSampleId :

H4280DL

Tot Ion: 75 Resp: 7272

Ion Ratio Lower Upper

75 100

77 40.2 26.8 40.2

