

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080620\
 Data File : VU039753.D
 Acq On : 06 Aug 2020 13:37
 Operator : SY/MD
 Sample : L3572-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 07 03:25:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 07 03:23:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	68434	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	67128	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	27208	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	21756	5.89	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	117.80%
7) Chloroethane-d5	1.92	69	21629	5.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.20%
11) 1,1-Dichloroethene-d2	2.58	63	30143	4.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.00%
20) 2-Butanone-d5	4.66	46	77906	47.93	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.86%
24) Chloroform-d	5.08	84	47284	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.40%
26) 1,2-Dichloroethane-d4	5.72	65	28464	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
32) Benzene-d6	5.75	84	84531	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.00%
36) 1,2-Dichloropropane-d6	6.70	67	28325	5.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.60%
41) Toluene-d8	7.91	98	65753	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
43) trans-1,3-Dichloropropene-	8.19	79	8683	4.14	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.80%
46) 2-Hexanone-d5	8.64	63	58710	51.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.48%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	25447	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	29169	6.26	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	125.20%#

Target Compounds

					Ovalue
5) Vinyl chloride	1.61	62	45499	8.177 ug/L	95
8) Chloroethane	1.94	64	1267	0.311 ug/L	87
12) 1,1-Dichloroethene	2.57	96	293	0.072 ug/L #	1
14) Carbon disulfide	2.80	76	3560	0.279 ug/L #	89
18) trans-1,2-Dichloroethene	3.37	96	7284	1.603 ug/L	90
22) cis-1,2-Dichloroethene	4.68	96	801	0.162 ug/L	99
33) Benzene	5.79	78	12482	0.682 ug/L	100
34) Trichloroethene	6.56	95	1115	0.235 ug/L	90
35) Methylcyclohexane	6.70	83	7196	0.949 ug/L #	19
37) 1,2-Dichloropropane	6.70	63	3441	0.708 ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	589	0.089 ug/L	89
42) Toluene	7.98	91	9729	0.506 ug/L	89
45) 1,1,2-Trichloroethane	8.28	97	1665	0.456 ug/L #	18
48) 2-Hexanone	8.65	43	9639	3.677 ug/L #	71
59) 1,2,3-Trichloropropane	11.81	75	3616	1.032 ug/L #	83

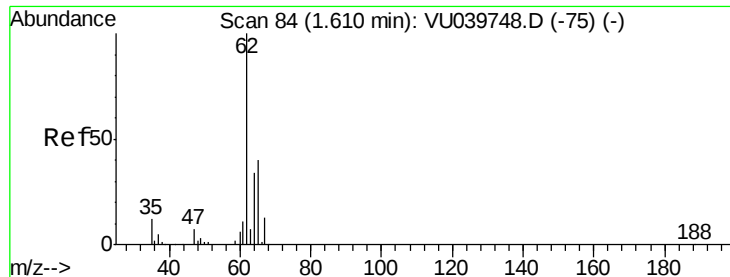
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080620\
Data File : VU039753.D
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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 07 03:23:19 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#5

Vinyl chloride

Concen: 8.177 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU039753.D

Acq: 06 Aug 2020 13:37

Instrument :

MSVOA_U

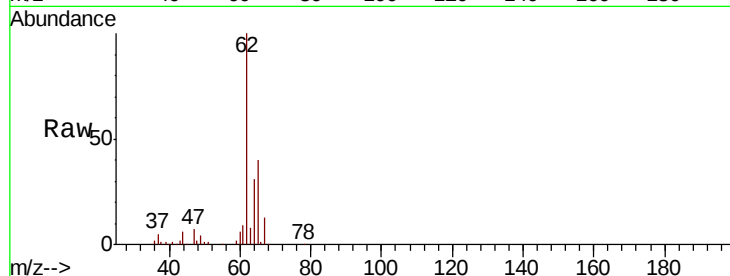
ClientSampled :

Tot Ion: 62 Resp: 45499

Ion Ratio Lower Upper

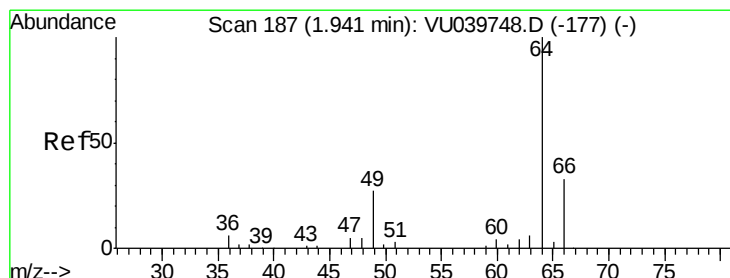
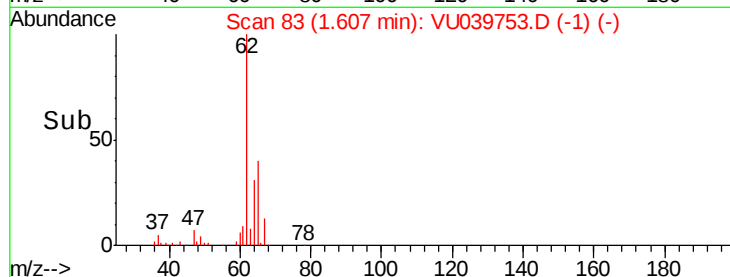
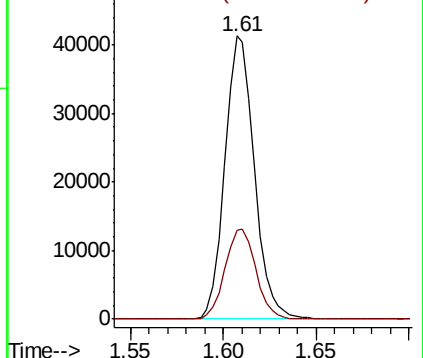
62 100

64 31.3 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU039748.D

Ion 64.10 (63.80 to 64.80): VU039748.D



#8

Chloroethane

Concen: 0.311 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU039753.D

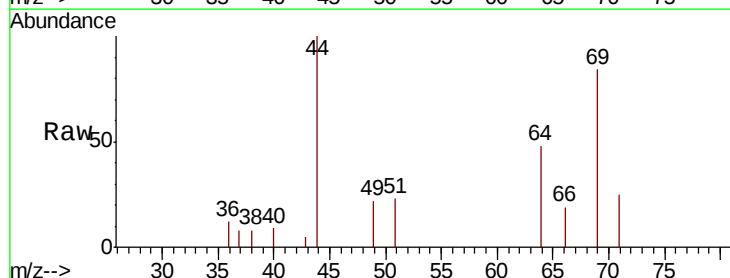
Acq: 06 Aug 2020 13:37

Tgt Ion: 64 Resp: 1267

Ion Ratio Lower Upper

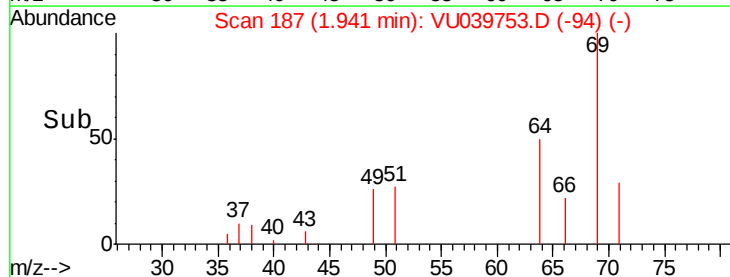
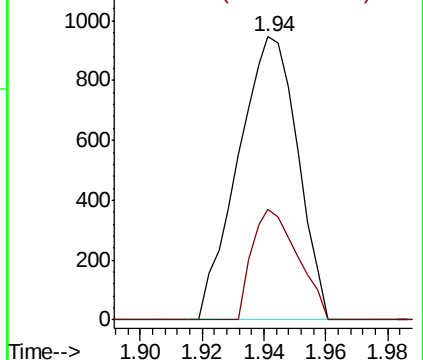
64 100

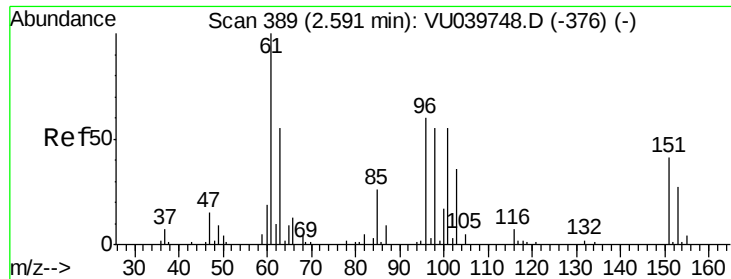
66 39.1 22.3 41.3



Abundance Ion 64.10 (63.80 to 64.80): VU039748.D

Ion 66.05 (65.75 to 66.75): VU039748.D

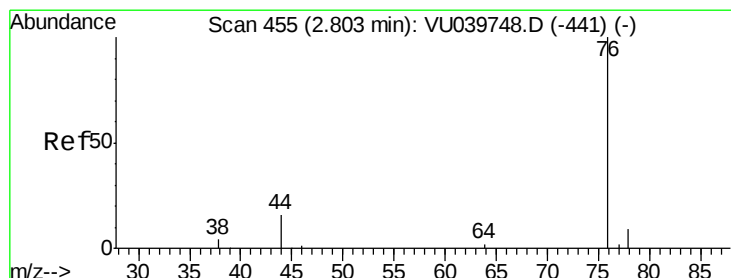
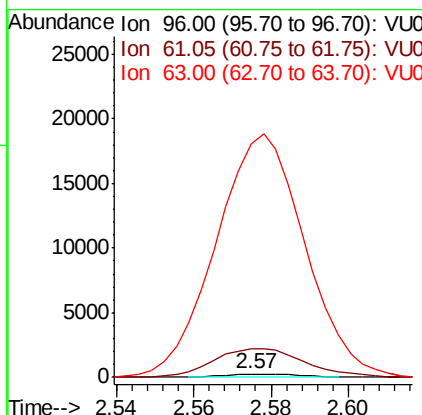
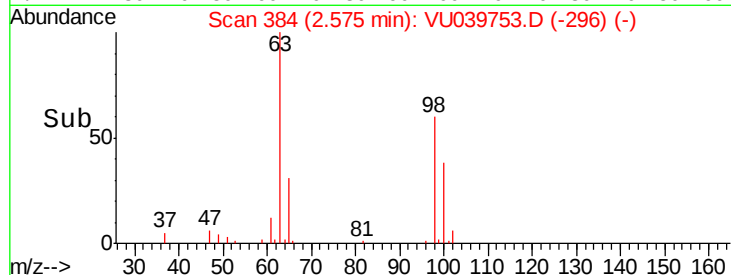
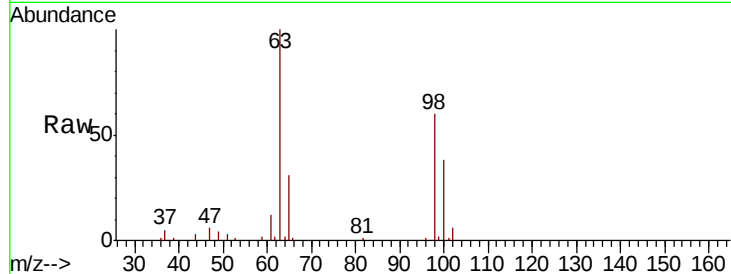




#12
 1,1-Dichloroethene
 Concen: 0.072 ug/L
 RT: 2.57 min Scan# 384
 Delta R.T. -0.02 min
 Lab File: VU039753.D
 Acq: 06 Aug 2020 13:37

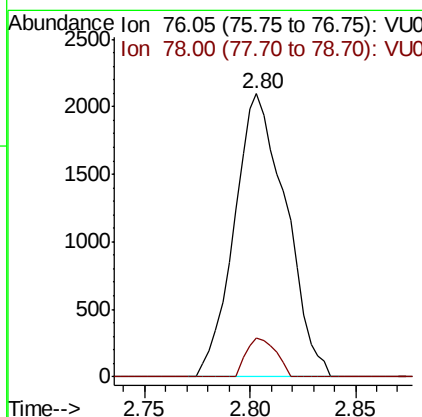
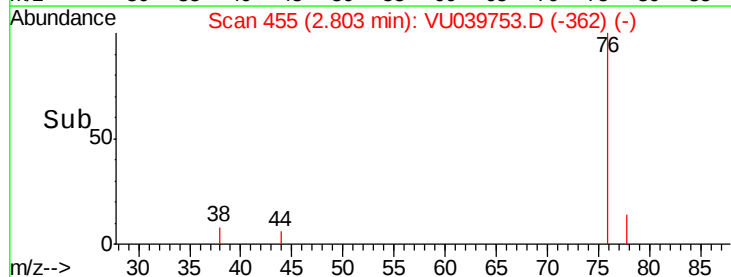
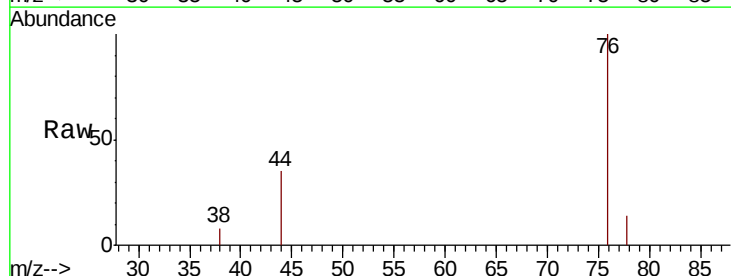
Instrument :
 MSVOA_U
 ClientSampled :

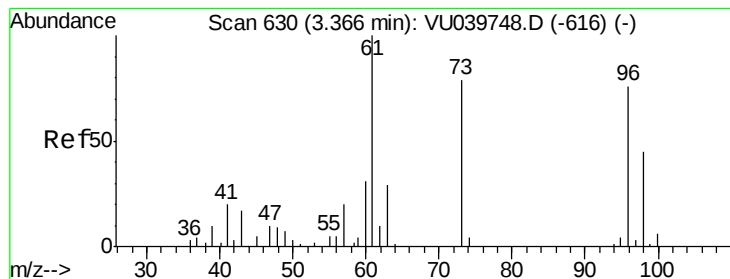
Tot Ion: 96 Resp: 293
 Ion Ratio Lower Upper
 96 100
 61 925.1 121.7 225.9#
 63 7690.2 82.1 152.5#



#14
 Carbon disulfide
 Concen: 0.279 ug/L
 RT: 2.80 min Scan# 455
 Delta R.T. -0.00 min
 Lab File: VU039753.D
 Acq: 06 Aug 2020 13:37

Tgt Ion: 76 Resp: 3560
 Ion Ratio Lower Upper
 76 100
 78 13.7 7.8 11.6#





#18

trans-1,2-Dichloroethene

Concen: 1.603 ug/L

RT: 3.37 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU039753.D

Acq: 06 Aug 2020 13:37

Instrument :

MSVOA_U

ClientSampleId :

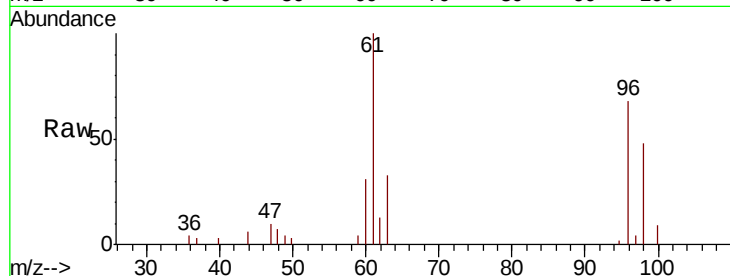
Tot Ion: 96 Resp: 7284

Ion Ratio Lower Upper

96 100

61 146.8 96.5 179.1

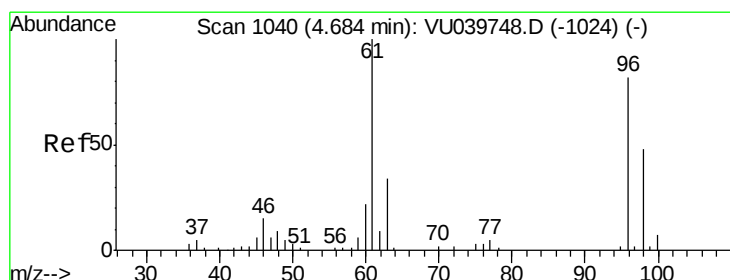
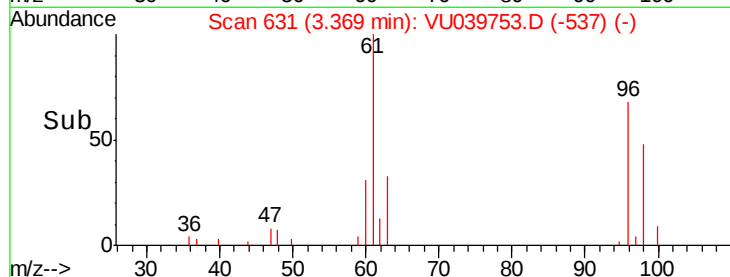
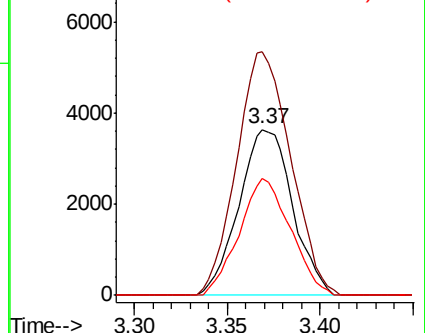
98 70.2 40.9 76.0



Abundance Ion 96.00 (95.70 to 96.70): VU039748.D (-616) (-)

Ion 61.05 (60.75 to 61.75): VU039748.D (-616) (-)

Ion 97.95 (97.65 to 98.65): VU039748.D (-616) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.162 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. -0.00 min

Lab File: VU039753.D

Acq: 06 Aug 2020 13:37

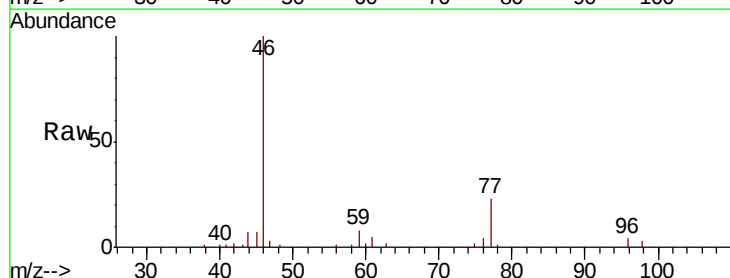
Tgt Ion: 96 Resp: 801

Ion Ratio Lower Upper

96 100

61 123.5 87.4 162.2

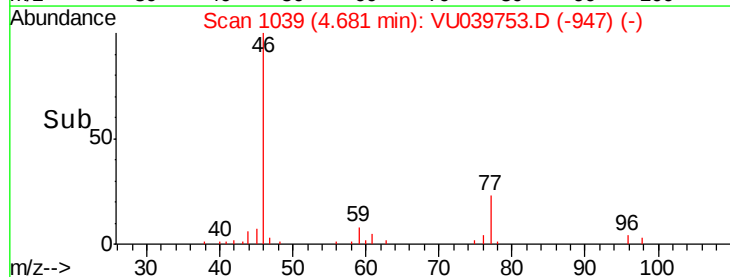
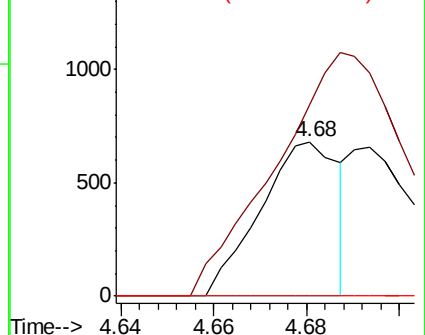
68 0.0 0.0 0.0

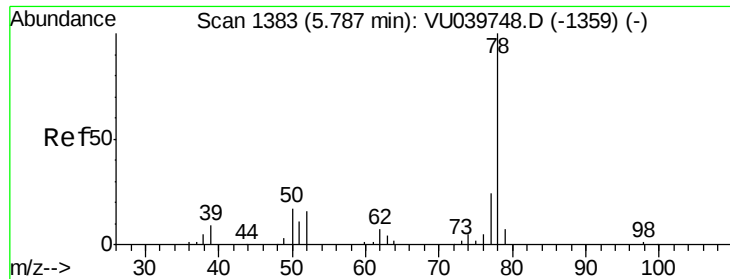


Abundance Ion 96.00 (95.70 to 96.70): VU039748.D (-1024) (-)

Ion 61.05 (60.75 to 61.75): VU039748.D (-1024) (-)

Ion 68.15 (67.85 to 68.85): VU039748.D (-1024) (-)

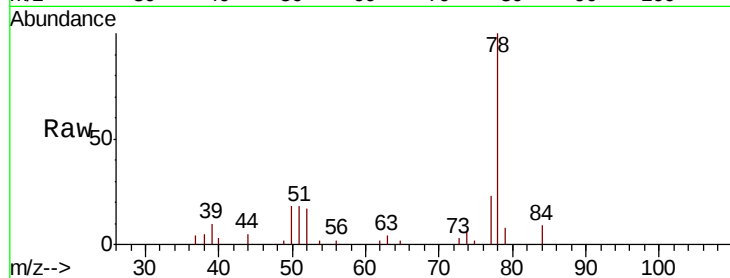




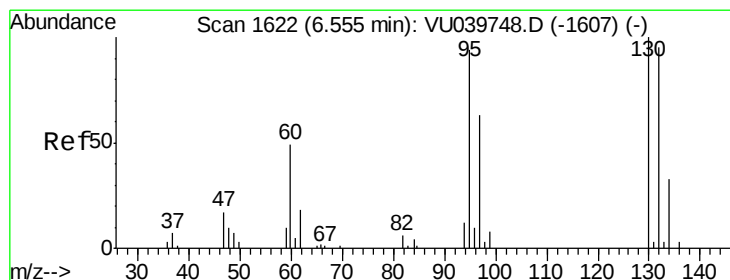
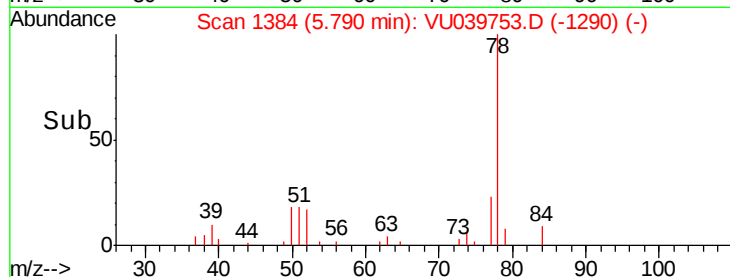
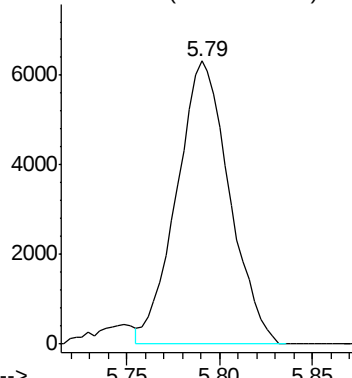
#33
Benzene
Concen: 0.682 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU039753.D
Acq: 06 Aug 2020 13:37

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 78 Resp: 12482



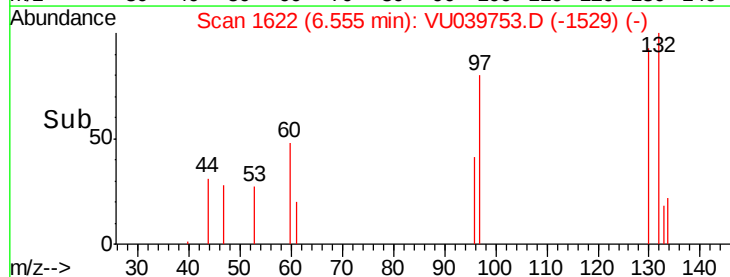
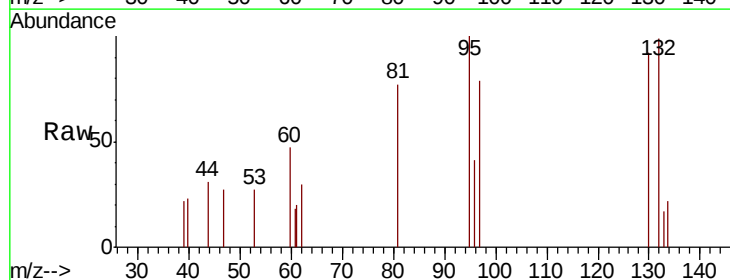
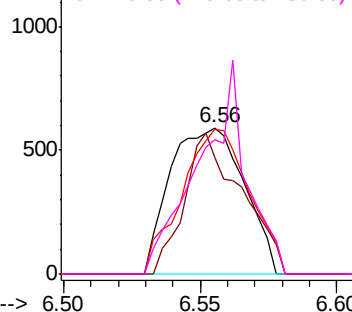
Abundance Ion 78.10 (77.80 to 78.80): VU0

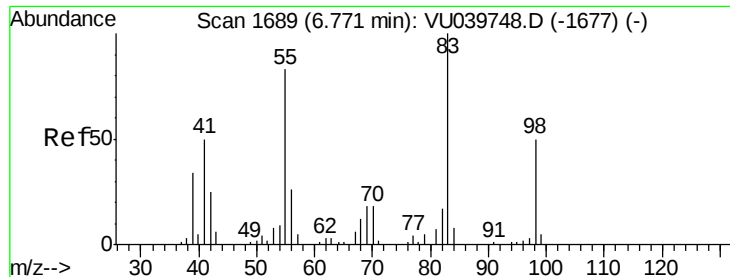


#34
Trichloroethene
Concen: 0.235 ug/L
RT: 6.56 min Scan# 1622
Delta R.T. -0.00 min
Lab File: VU039753.D
Acq: 06 Aug 2020 13:37

Tgt Ion: 95 Resp: 1115
Ion Ratio Lower Upper
95 100
97 79.2 44.0 81.8
132 99.2 71.7 133.3
130 91.9 71.1 132.1

Abundance Ion 95.00 (94.70 to 95.70): VU0
Ion 96.95 (96.65 to 97.65): VU0
Ion 131.95 (131.65 to 132.65): V
Ion 129.95 (129.65 to 130.65): V

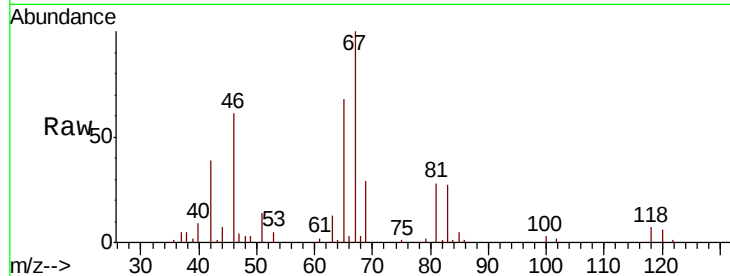




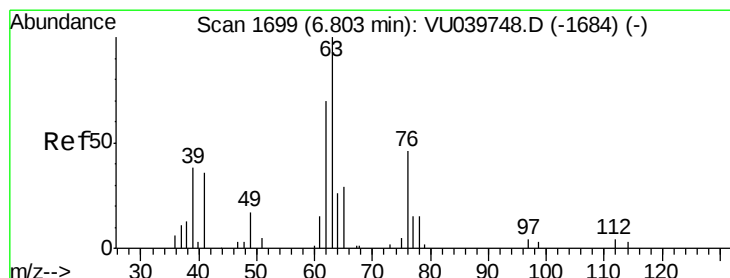
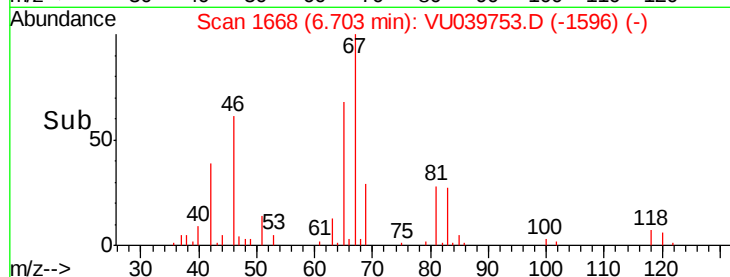
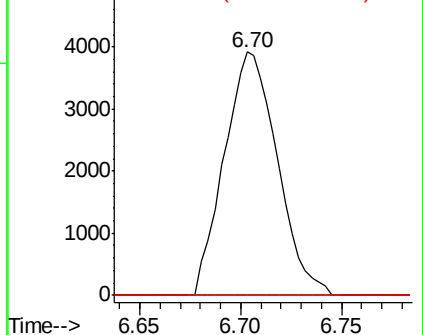
#35
Methvlcvclohexane
Concen: 0.949 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU039753.D
Acq: 06 Aug 2020 13:37

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 7196
Ion Ratio Lower Upper
83 100
55 0.0 59.4 89.0#
98 0.0 39.0 58.4#

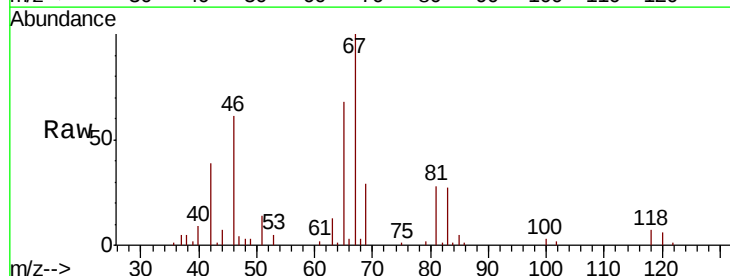


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

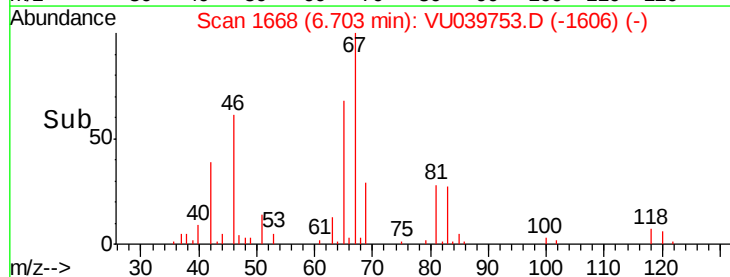
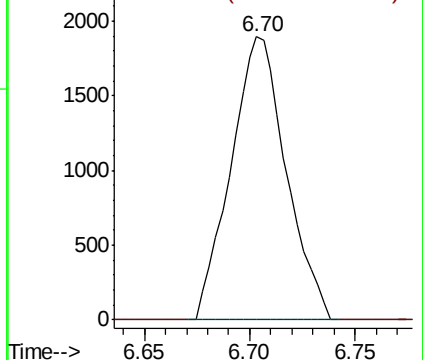


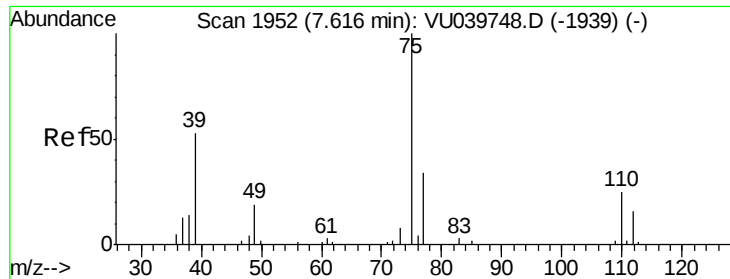
#37
1,2-Dichloropropane
Concen: 0.708 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU039753.D
Acq: 06 Aug 2020 13:37

Tgt Ion: 63 Resp: 3441
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#



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

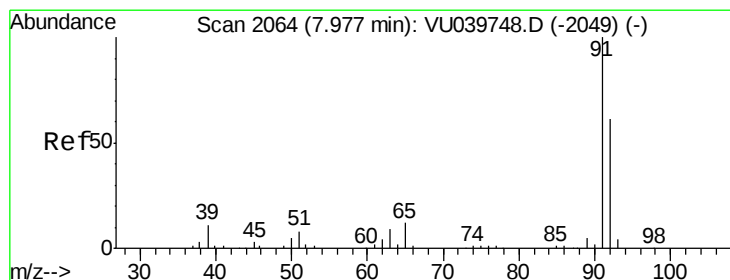
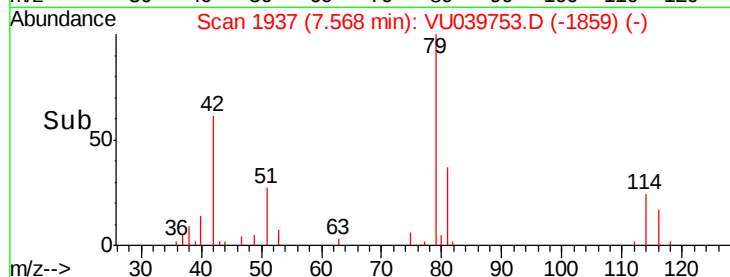
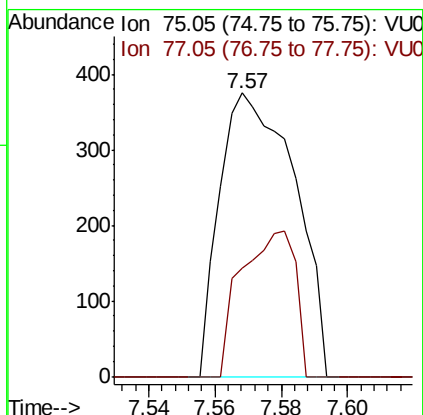
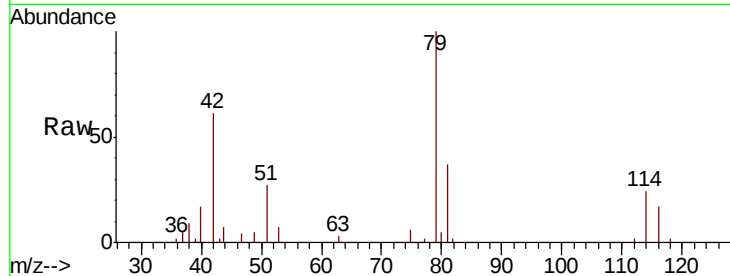




#39
 cis-1,3-Dichloropropene
 Concen: 0.089 ug/L
 RT: 7.57 min Scan# 1937
 Delta R.T. -0.05 min
 Lab File: VU039753.D
 Acq: 06 Aug 2020 13:37

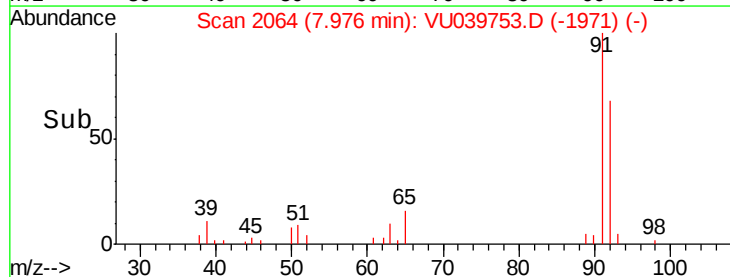
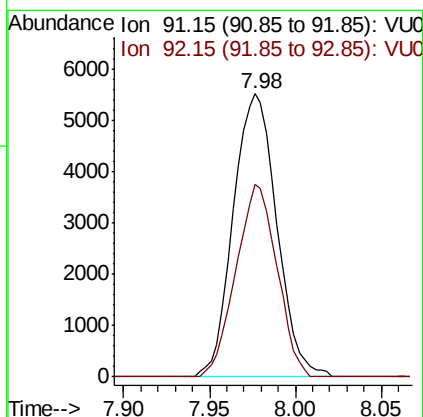
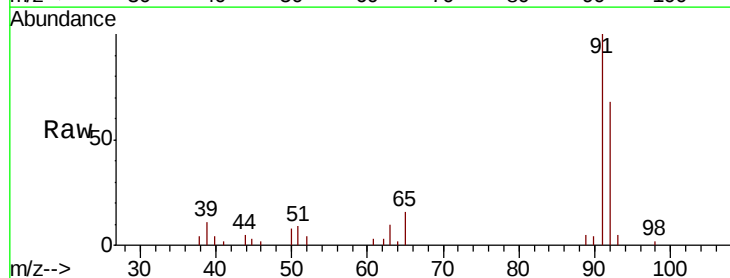
Instrument :
 MSVOA_U
 ClientSampled :

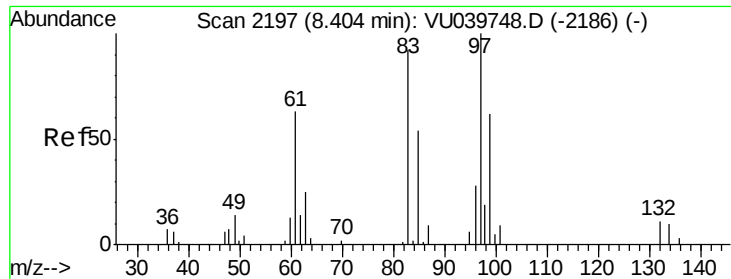
Tot Ion: 75 Resp: 589
 Ion Ratio Lower Upper
 75 100
 77 38.1 22.4 41.6



#42
 Toluene
 Concen: 0.506 ug/L
 RT: 7.98 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VU039753.D
 Acq: 06 Aug 2020 13:37

Tgt Ion: 91 Resp: 9729
 Ion Ratio Lower Upper
 91 100
 92 67.9 41.6 77.3

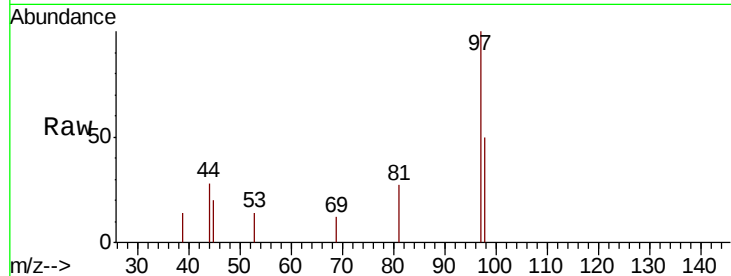




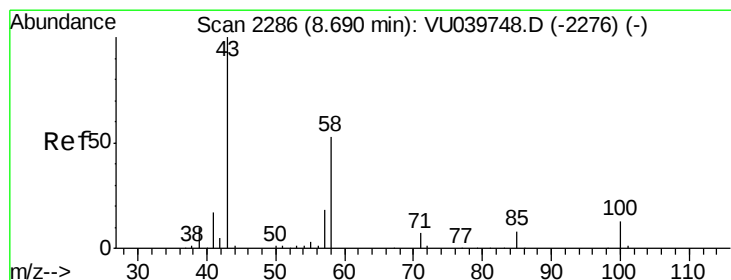
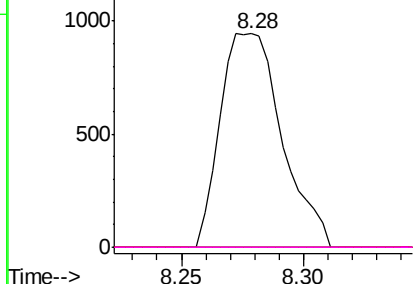
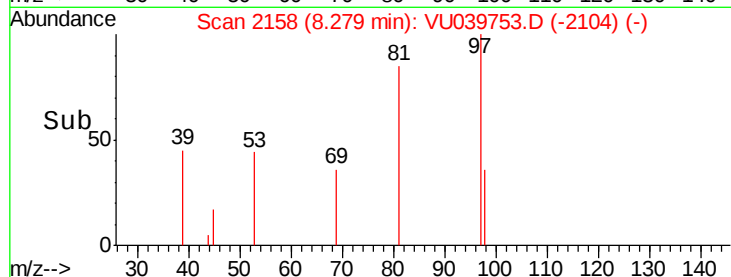
#45
 1,1,2-Trichloroethane
 Concen: 0.456 ug/L
 RT: 8.28 min Scan# 2158
 Delta R.T. -0.13 min
 Lab File: VU039753.D
 Acq: 06 Aug 2020 13:37

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 97 Resp: 1665
 Ion Ratio Lower Upper
 97 100
 99 0.0 42.0 78.0#
 83 0.0 55.2 102.4#
 85 0.0 37.0 68.6#

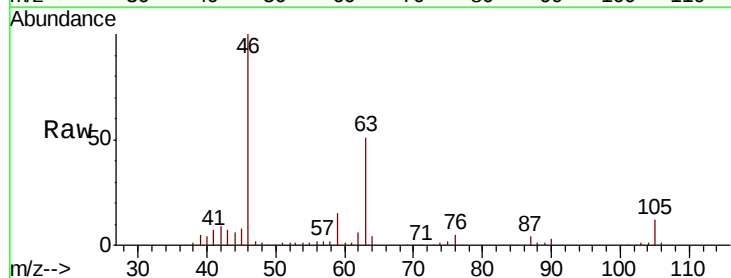


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

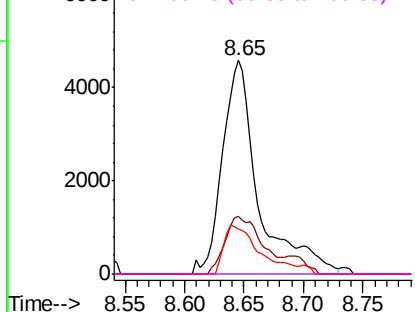
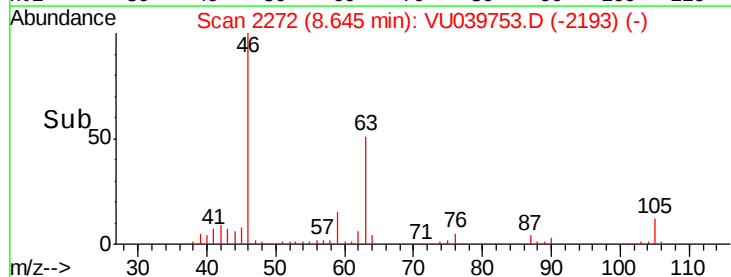


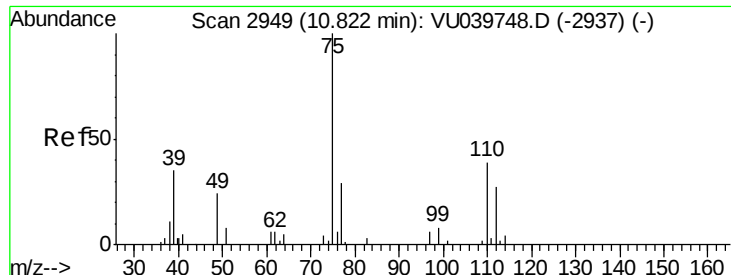
#48
 2-Hexanone
 Concen: 3.677 ug/L
 RT: 8.65 min Scan# 2272
 Delta R.T. -0.05 min
 Lab File: VU039753.D
 Acq: 06 Aug 2020 13:37

Tgt Ion: 43 Resp: 9639
 Ion Ratio Lower Upper
 43 100
 58 27.2 41.8 62.8#
 57 22.3 14.2 21.4#
 100 0.0 9.4 14.2#



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 58.05 (57.75 to 58.75): VU0
 Ion 57.20 (56.90 to 57.90): VU0
 Ion 100.15 (99.85 to 100.85): VU0





#59

1,2,3-Trichloropropane

Concen: 1.032 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU039753.D

Acq: 06 Aug 2020 13:37

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 3616

Ion Ratio Lower Upper

75 100

77 39.9 24.6 37.0#

