

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101720\
 Data File : VU040788.D
 Acq On : 18 Oct 2020 01:50
 Operator : SY/MD
 Sample : L4354-20
 Misc : 25.4mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 19 03:12:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 19 03:08:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	119542	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	124973	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	50222	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	35287	3.56	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.20%
7) Chloroethane-d5	1.93	69	33877	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.80%
11) 1,1-Dichloroethene-d2	2.58	63	55365	2.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.20%#
20) 2-Butanone-d5	4.67	46	187217	59.06	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.12%
24) Chloroform-d	5.08	84	84061	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	5.72	65	55871	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.60%
32) Benzene-d6	5.74	84	148308	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.00%
36) 1,2-Dichloropropane-d6	6.70	67	53643	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.80%
41) Toluene-d8	7.91	98	111950	3.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.20%
43) trans-1,3-Dichloropropene-	8.19	79	18347	3.87	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.40%
46) 2-Hexanone-d5	8.64	63	117907	48.27	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.54%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	50043	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	47416	5.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	682	0.067	ug/L	85
5) Vinyl chloride	1.61	62	113850	10.673	ug/L	89
8) Chloroethane	1.89	64	1307	0.192	ug/L #	49
12) 1,1-Dichloroethene	2.59	96	921	0.108	ug/L #	1
15) Methyl Acetate	3.06	43	1987	0.354	ug/L #	56
18) trans-1,2-Dichloroethene	3.38	96	3434	0.385	ug/L	91
22) cis-1,2-Dichloroethene	4.69	96	202694	21.051	ug/L	96
25) Chloroform	5.11	83	1515	0.080	ug/L	90
27) 1,2-Dichloroethane	5.74	62	948	0.071	ug/L #	77
30) Cyclohexane	5.40	56	4754	0.307	ug/L	97
35) Methylcyclohexane	6.77	83	2062	0.140	ug/L #	86
37) 1,2-Dichloropropane	6.70	63	5757	0.515	ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1155	0.076	ug/L #	27
48) 2-Hexanone	8.65	43	19380	2.919	ug/L #	77
59) 1,2,3-Trichloropropane	11.81	75	6544	0.796	ug/L	97

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Oct 19 03:08:11 2020
Response via : Initial Calibration

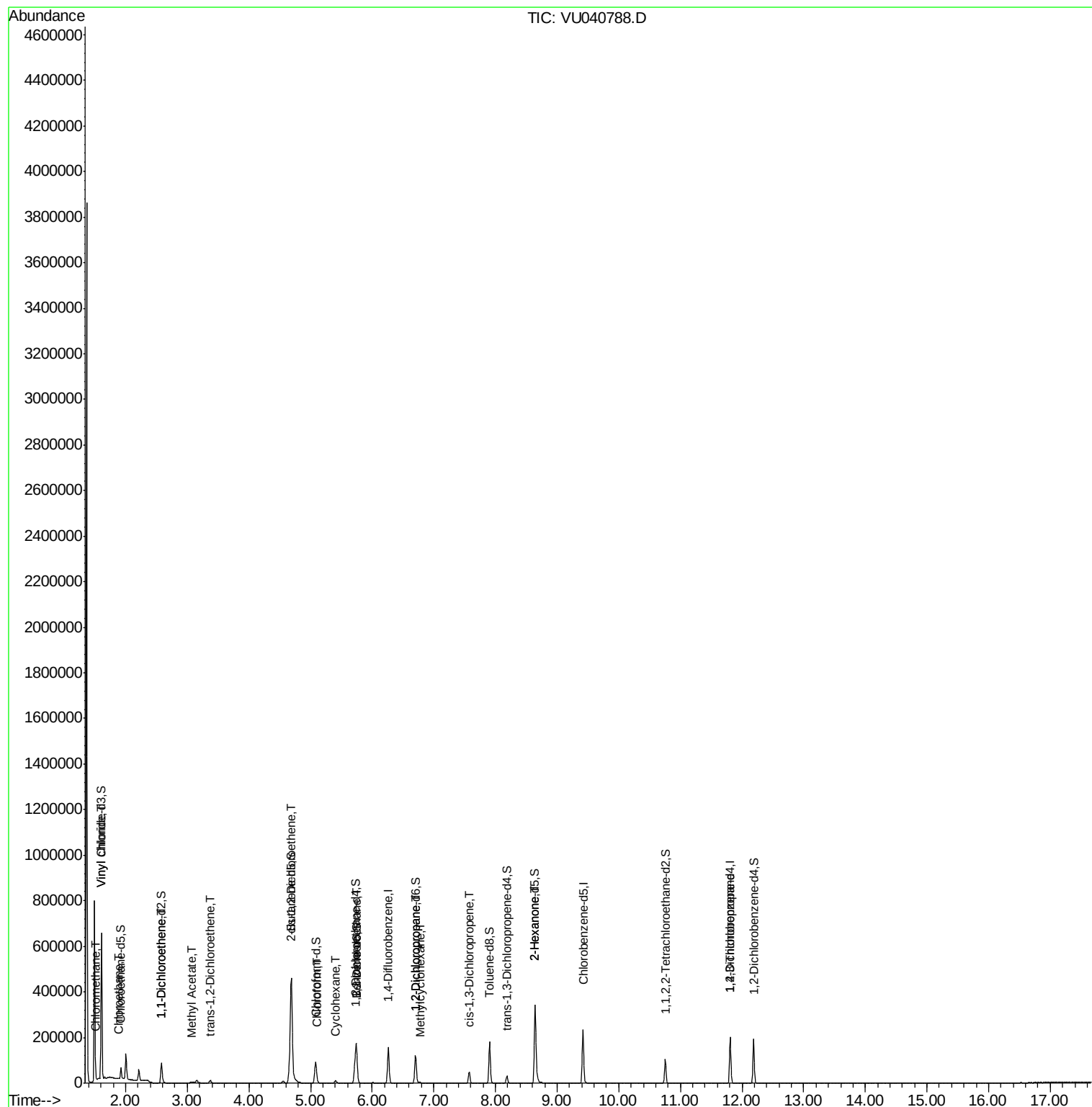
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

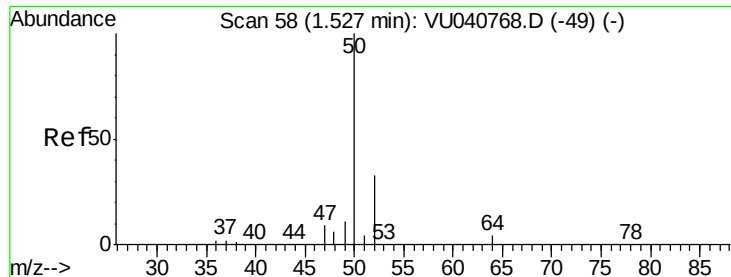
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#3

Chloromethane

Concen: 0.067 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040788.D

Acq: 18 Oct 2020 01:50

Instrument :

MSVOA_U

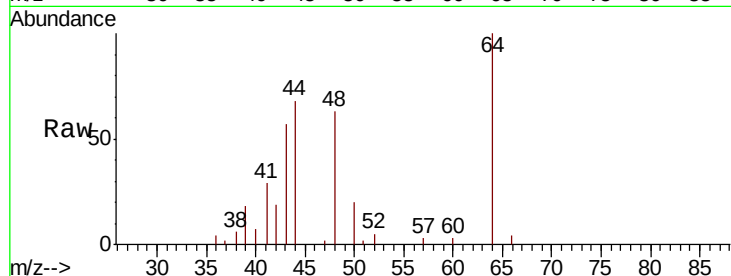
ClientSampled :

Tot Ion: 50 Resp: 682

Ion Ratio Lower Upper

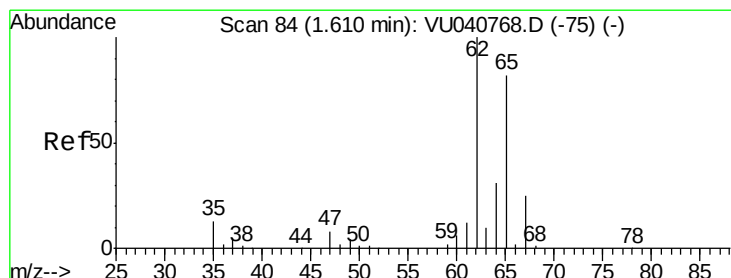
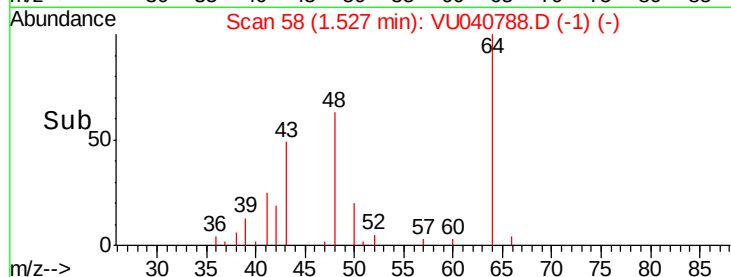
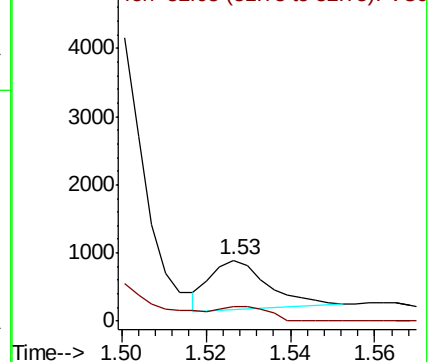
50 100

52 23.2 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#5

Vinyl chloride

Concen: 10.673 ug/L

RT: 1.61 min Scan# 85

Delta R.T. 0.00 min

Lab File: VU040788.D

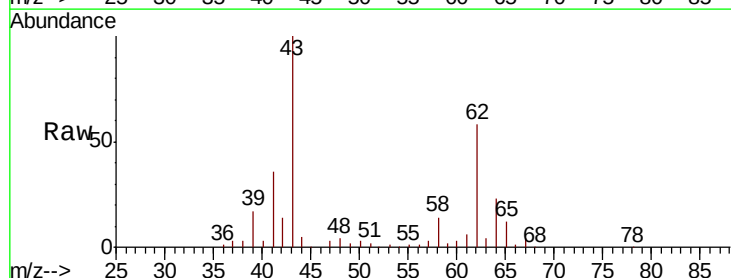
Acq: 18 Oct 2020 01:50

Tgt Ion: 62 Resp: 113850

Ion Ratio Lower Upper

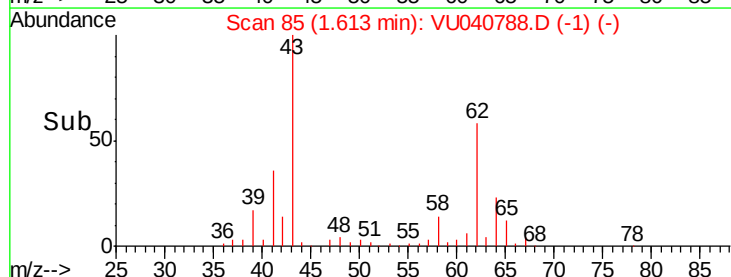
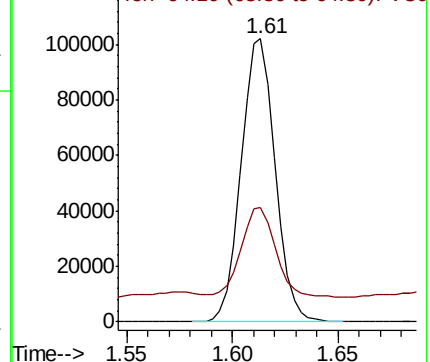
62 100

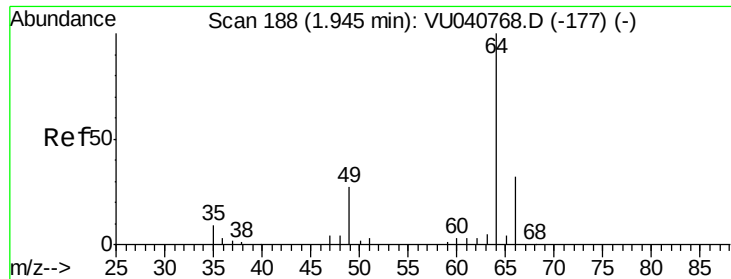
64 40.3 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

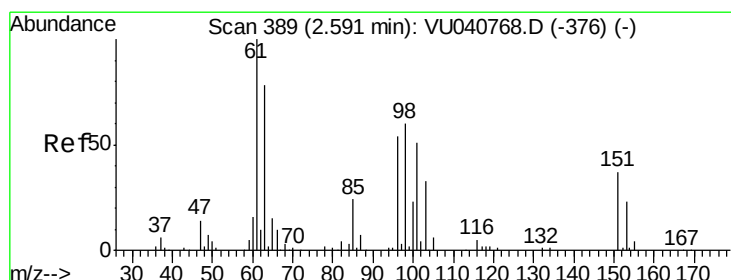
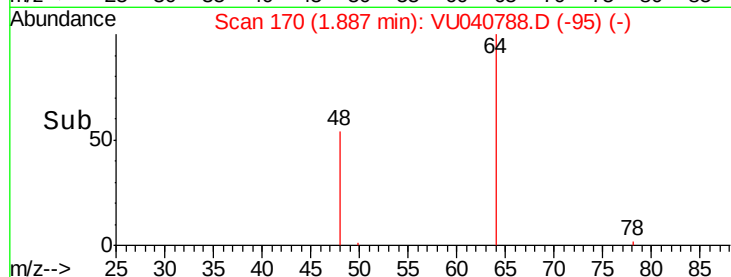
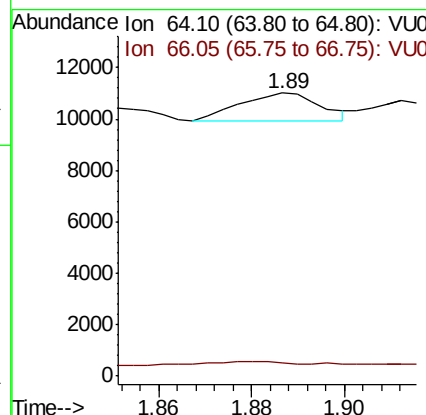
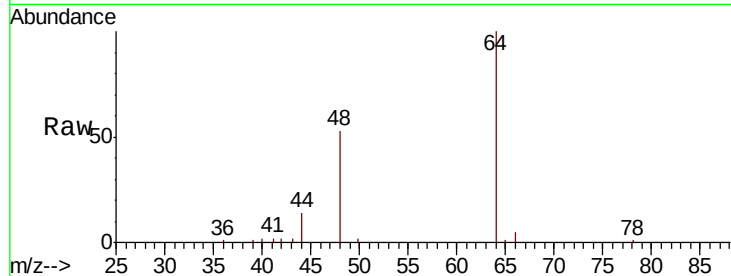




#8
 Chloroethane
 Concen: 0.192 ug/L
 RT: 1.89 min Scan# 170
 Delta R.T. -0.06 min
 Lab File: VU040788.D
 Acq: 18 Oct 2020 01:50

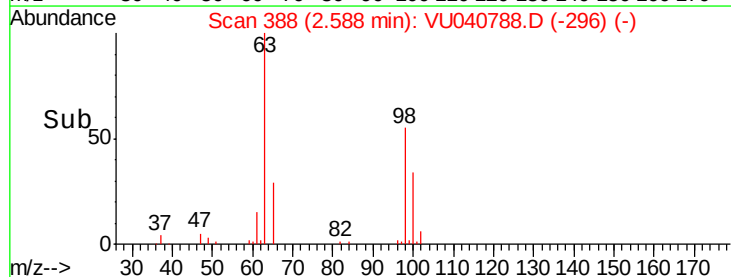
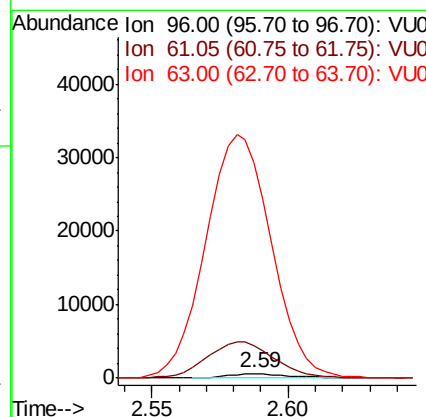
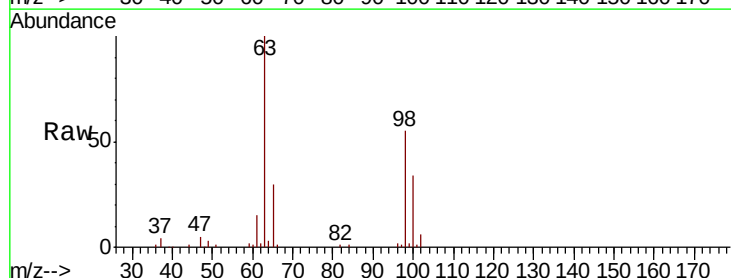
Instrument :
 MSVOA_U
 ClientSampleId :

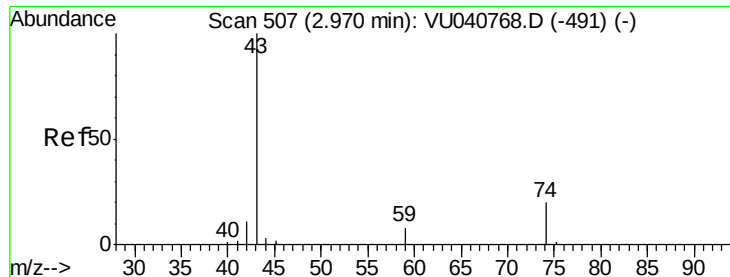
Tot Ion: 64 Resp: 1307
 Ion Ratio Lower Upper
 64 100
 66 4.6 23.3 43.3#



#12
 1,1-Dichloroethene
 Concen: 0.108 ug/L
 RT: 2.59 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VU040788.D
 Acq: 18 Oct 2020 01:50

Tgt Ion: 96 Resp: 921
 Ion Ratio Lower Upper
 96 100
 61 688.1 128.8 239.2#
 63 4522.2 84.6 157.2#

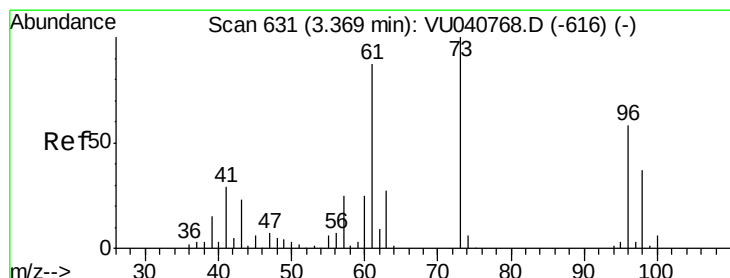
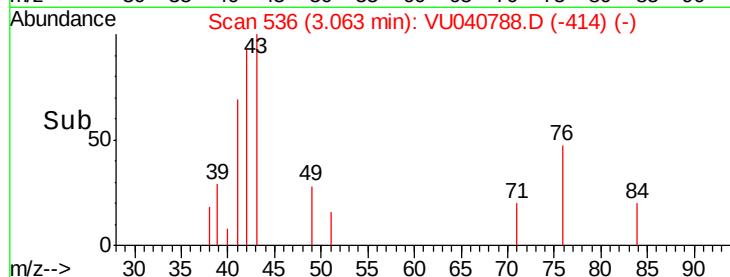
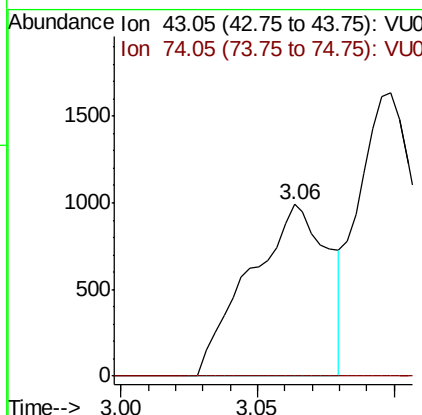
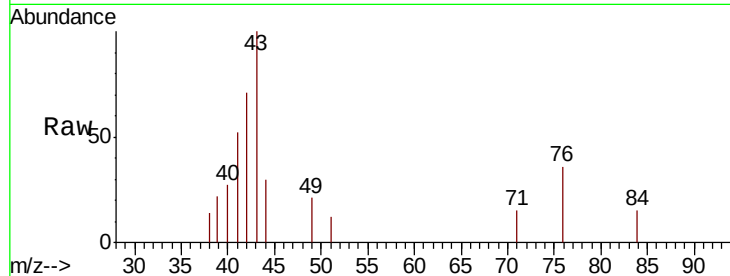




#15
Methyl Acetate
Concen: 0.354 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.09 min
Lab File: VU040788.D
Acq: 18 Oct 2020 01:50

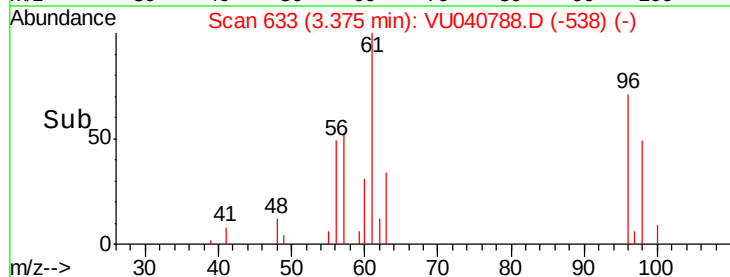
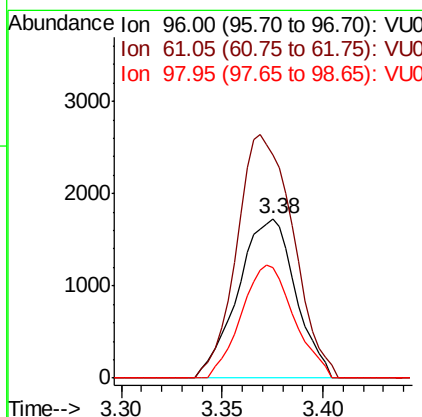
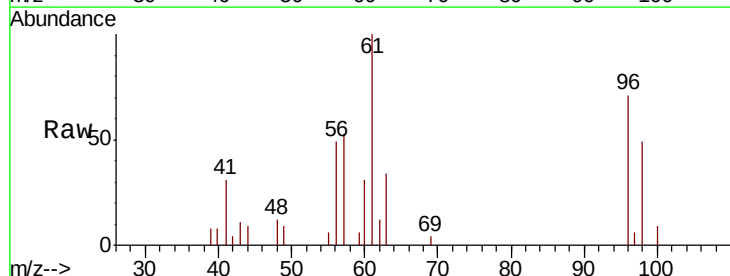
Instrument :
MSVOA_U
ClientSampleId :

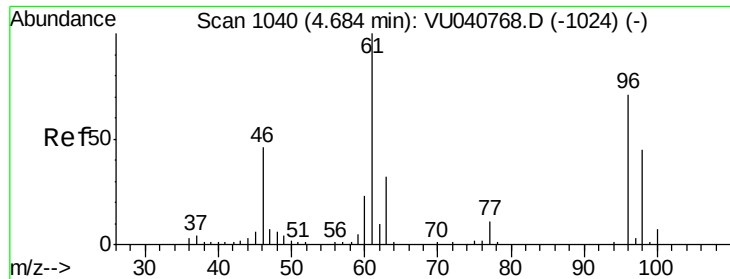
Tot Ion: 43 Resp: 1987
Ion Ratio Lower Upper
43 100
74 0.0 16.5 24.7#



#18
trans-1,2-Dichloroethene
Concen: 0.385 ug/L
RT: 3.38 min Scan# 633
Delta R.T. 0.01 min
Lab File: VU040788.D
Acq: 18 Oct 2020 01:50

Tgt Ion: 96 Resp: 3434
Ion Ratio Lower Upper
96 100
61 140.4 105.9 196.7
98 69.2 43.8 81.3





#22

cis-1,2-Dichloroethene

Concen: 21.051 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040788.D

Acq: 18 Oct 2020 01:50

Instrument :
MSVOA_U
ClientSampleId :

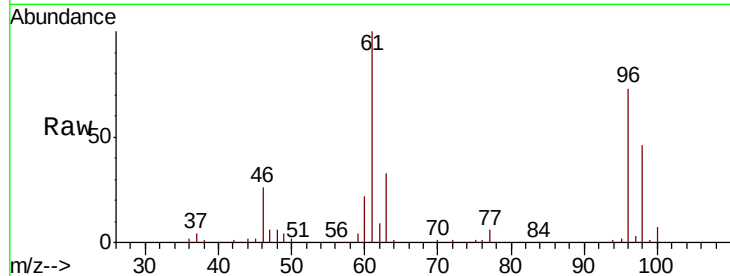
Tot Ion: 96 Resp: 202694

Ion Ratio Lower Upper

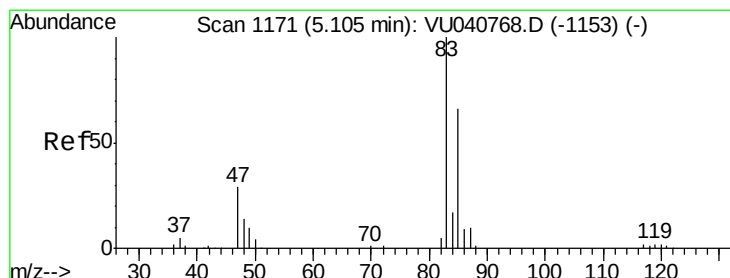
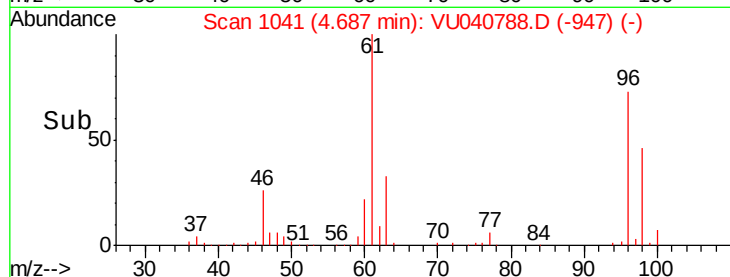
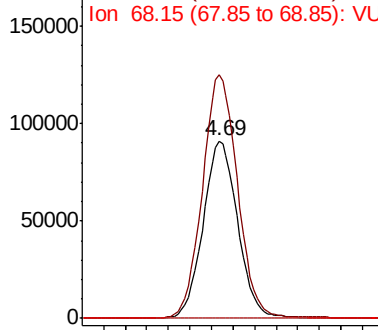
96 100

61 137.5 99.8 185.4

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



#25

Chloroform

Concen: 0.080 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU040788.D

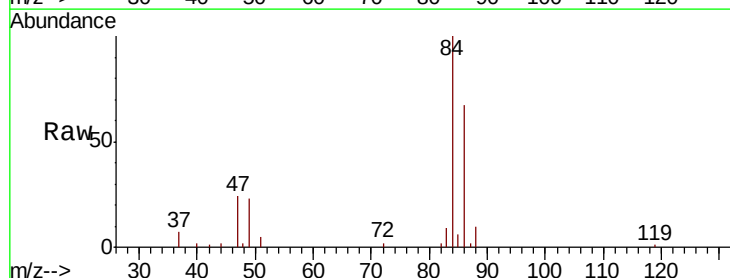
Acq: 18 Oct 2020 01:50

Tgt Ion: 83 Resp: 1515

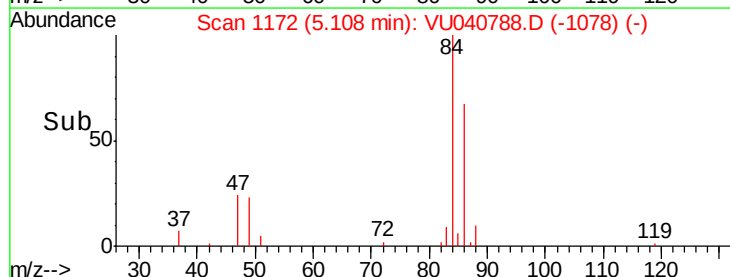
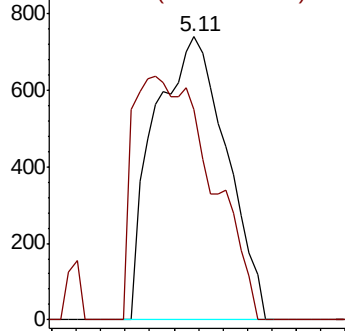
Ion Ratio Lower Upper

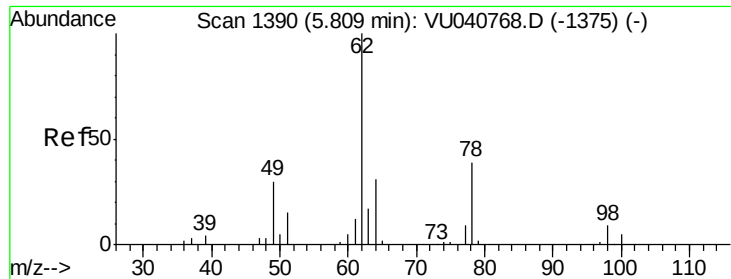
83 100

85 74.3 46.5 86.5



Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0

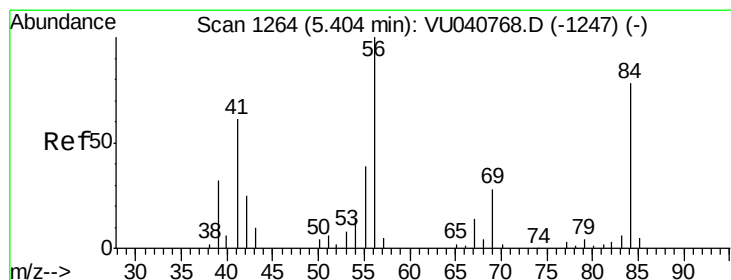
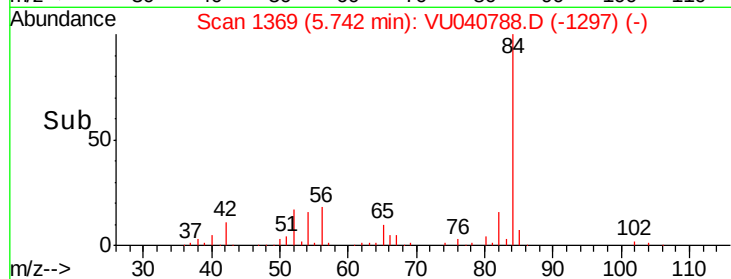
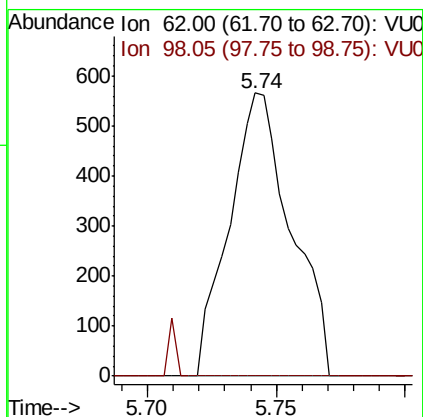
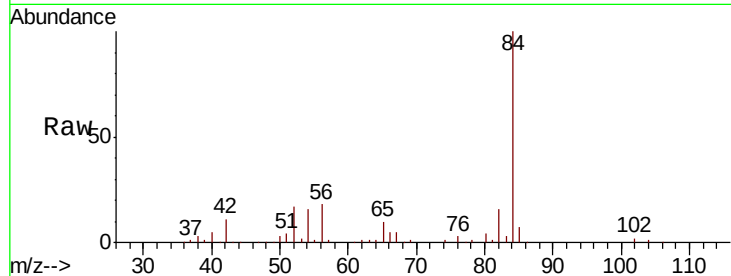




#27
 1,2-Dichloroethane
 Concen: 0.071 ug/L
 RT: 5.74 min Scan# 1369
 Delta R.T. -0.07 min
 Lab File: VU040788.D
 Acq: 18 Oct 2020 01:50

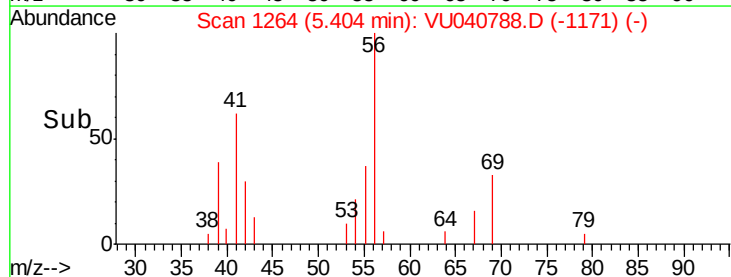
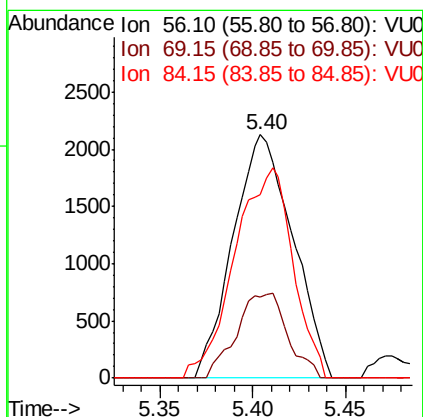
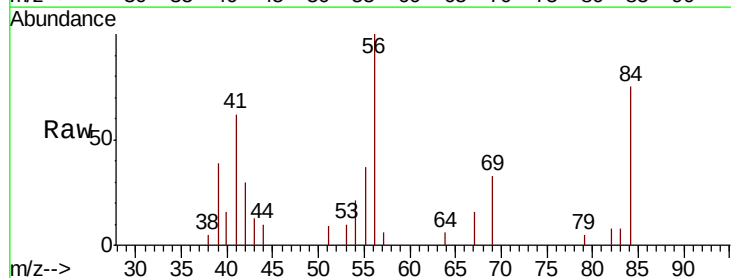
Instrument :
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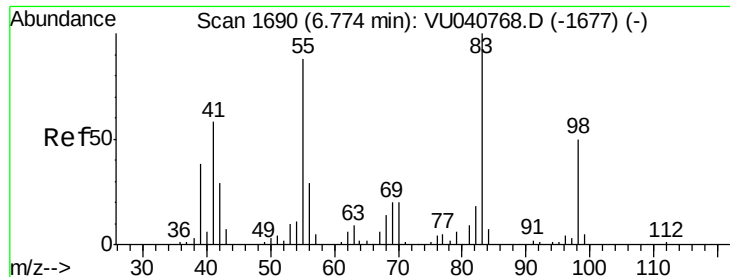
Tot Ion: 62 Resp: 948
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



#30
 Cyclohexane
 Concen: 0.307 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU040788.D
 Acq: 18 Oct 2020 01:50

Tgt Ion: 56 Resp: 4754
 Ion Ratio Lower Upper
 56 100
 69 29.8 23.8 35.8
 84 83.9 64.0 96.0

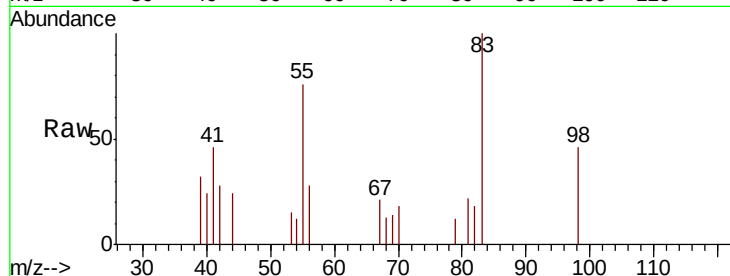




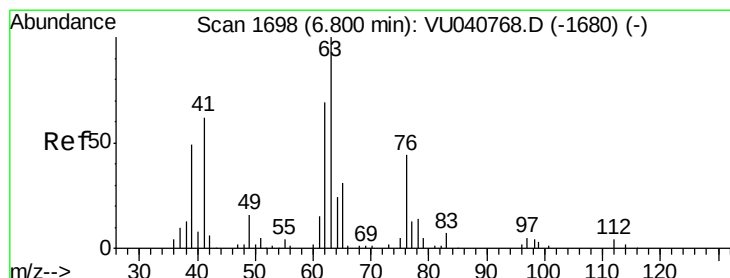
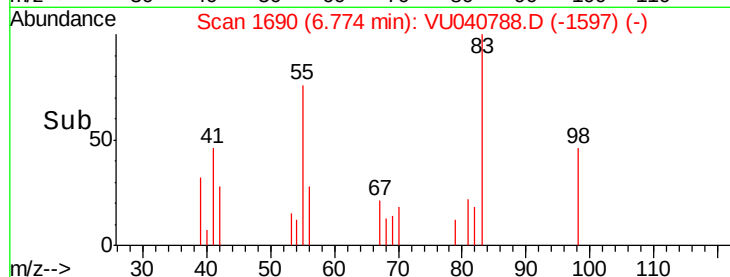
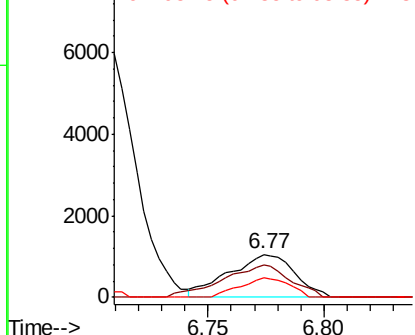
#35
Methylcyclohexane
Concen: 0.140 ug/L
RT: 6.77 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VU040788.D
Acq: 18 Oct 2020 01:50

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 2062
Ion Ratio Lower Upper
83 100
55 78.3 70.7 106.1
98 33.7 38.4 57.6#

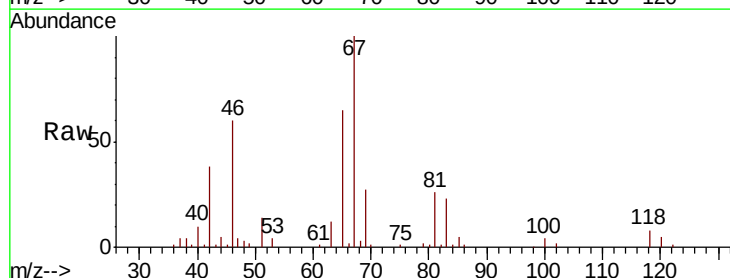


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

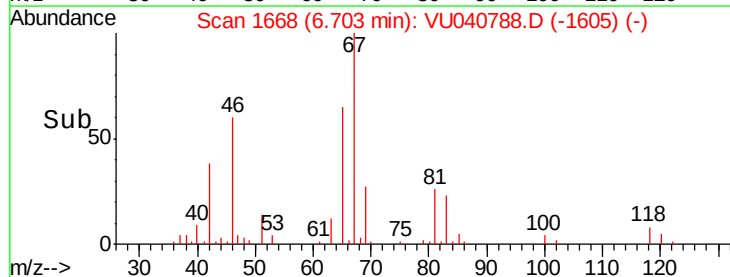
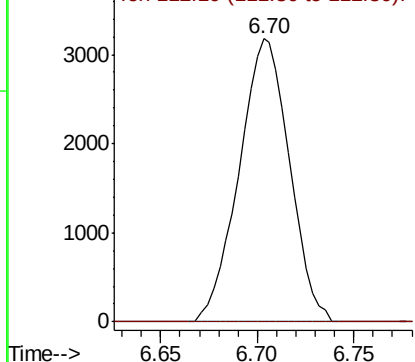


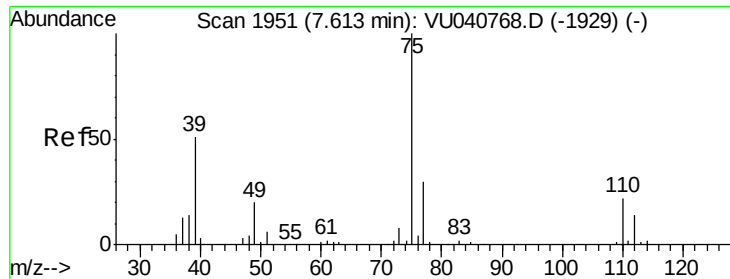
#37
1,2-Dichloropropane
Concen: 0.515 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040788.D
Acq: 18 Oct 2020 01:50

Tgt Ion: 63 Resp: 5757
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



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

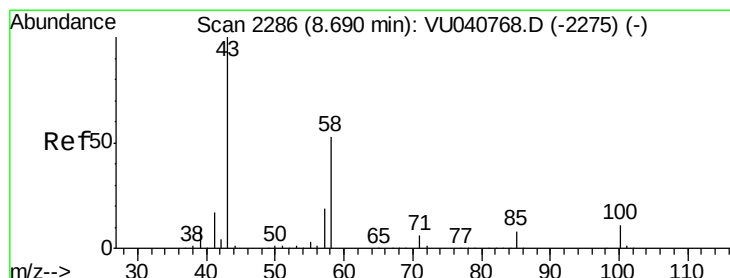
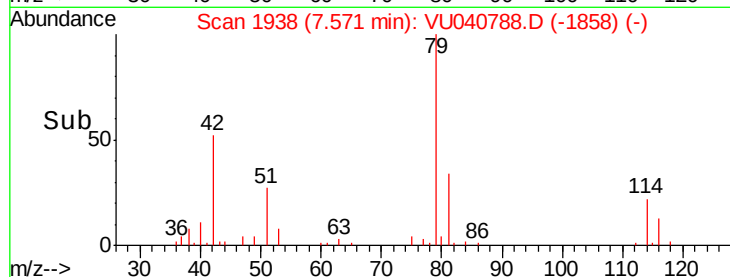
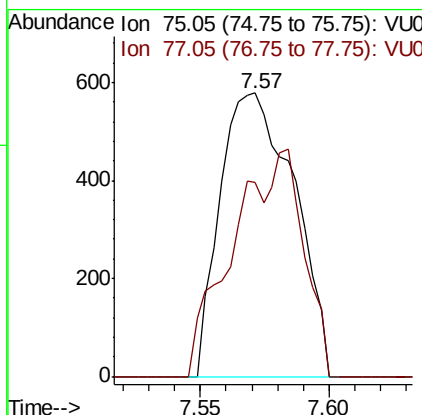
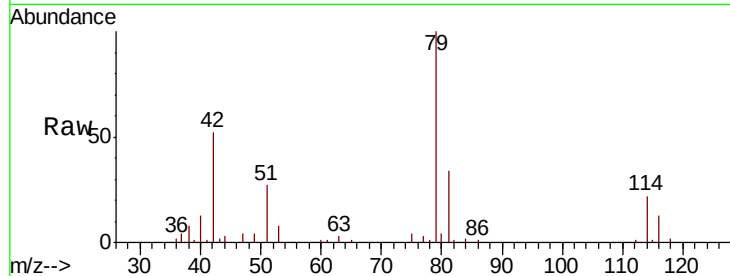




#39
 cis-1,3-Dichloropropene
 Concen: 0.076 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU040788.D
 Acq: 18 Oct 2020 01:50

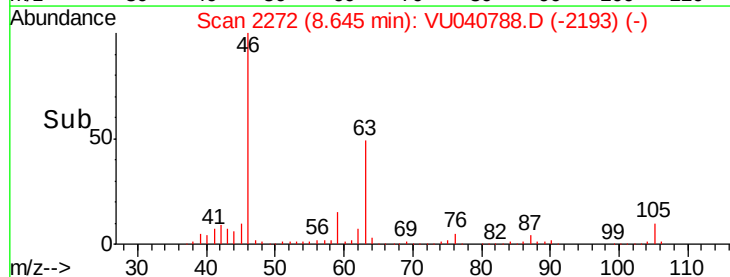
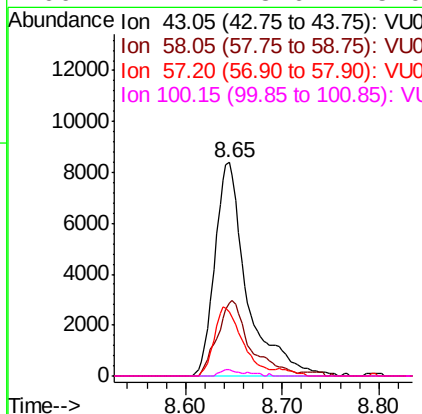
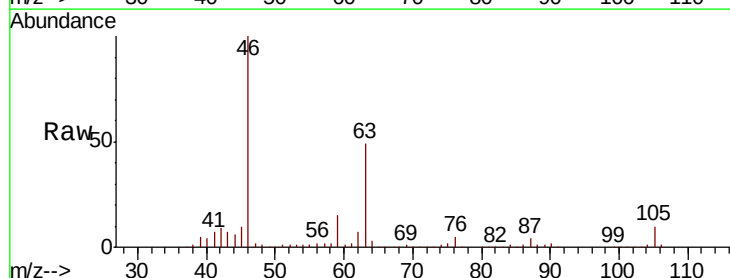
Instrument :
 MSVOA_U
 ClientSampleId :

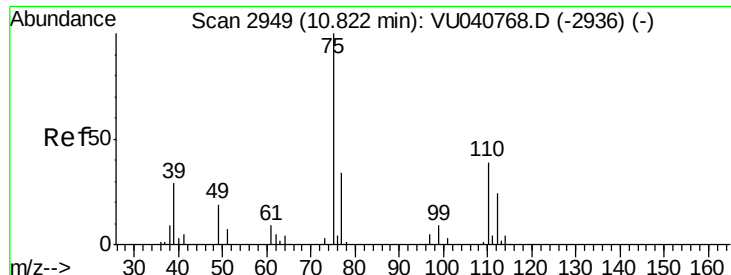
Tot Ion: 75 Resp: 1155
 Ion Ratio Lower Upper
 75 100
 77 68.3 20.5 38.1#



#48
 2-Hexanone
 Concen: 2.919 ug/L
 RT: 8.65 min Scan# 2272
 Delta R.T. -0.05 min
 Lab File: VU040788.D
 Acq: 18 Oct 2020 01:50

Tgt Ion: 43 Resp: 19380
 Ion Ratio Lower Upper
 43 100
 58 35.6 41.0 61.6#
 57 28.5 14.4 21.6#
 100 1.7 8.6 13.0#





#59

1,2,3-Trichloropropane

Concen: 0.796 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040788.D

Acq: 18 Oct 2020 01:50

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 6544

Ion Ratio Lower Upper

75 100

77 34.6 26.4 39.6

