

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060220\
 Data File : VU038505.D
 Acq On : 02 Jun 2020 19:46
 Operator : JC/MD
 Sample : L2856-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 03 00:52:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jun 03 00:48:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	285647	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	281893	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	133752	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	63679	3.44	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.80%
7) Chloroethane-d5	1.93	69	61628	4.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.80%
11) 1,1-Dichloroethene-d2	2.59	63	103719	2.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.00%#
20) 2-Butanone-d5	4.68	46	352188	62.71	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.42%
24) Chloroform-d	5.10	84	178086	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
26) 1,2-Dichloroethane-d4	5.74	65	109254	5.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.80%
32) Benzene-d6	5.76	84	336662	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	6.72	67	110427	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.00%
41) Toluene-d8	7.92	98	273466	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.60%
43) trans-1,3-Dichloropropene-	8.20	79	43030	4.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.40%
46) 2-Hexanone-d5	8.65	63	296022	64.41	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	128.82%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	104976	5.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	114.20%
64) 1,2-Dichlorobenzene-d4	12.20	152	122027	5.29	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.80%

Target Compounds

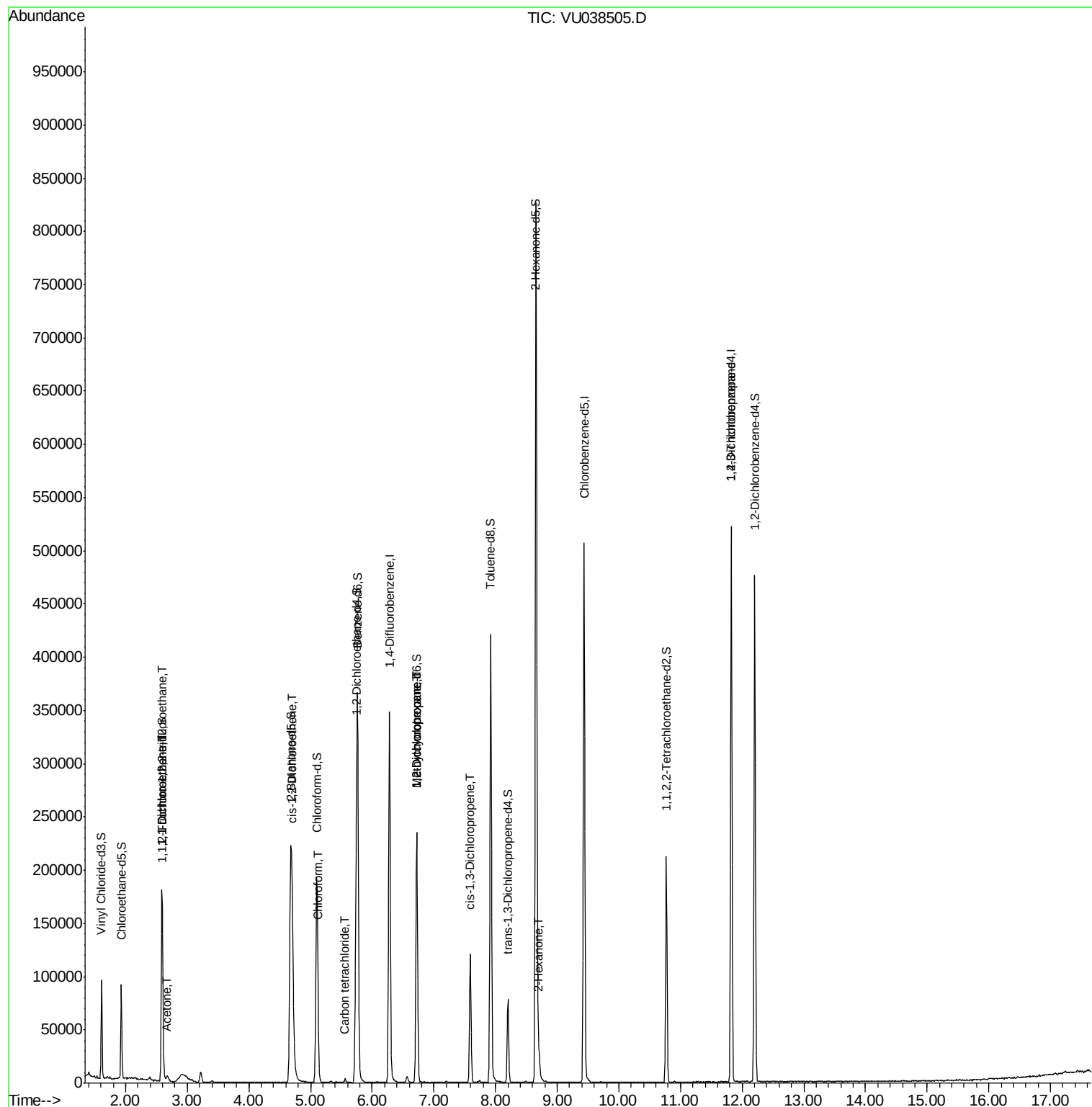
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	6302	0.364	ug/L	89
12) 1,1-Dichloroethene	2.59	96	1154	0.066	ug/L #	1
13) Acetone	2.67	43	3740	1.018	ug/L	97
22) cis-1,2-Dichloroethene	4.71	96	37799	1.852	ug/L	98
25) Chloroform	5.13	83	8767	0.254	ug/L	95
31) Carbon tetrachloride	5.56	117	2035	0.082	ug/L	97
35) Methylcyclohexane	6.72	83	27003	0.855	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	11952	0.604	ug/L #	86
39) cis-1,3-Dichloropropene	7.59	75	3269	0.112	ug/L #	49
48) 2-Hexanone	8.71	43	11166	1.042	ug/L #	91
59) 1,2,3-Trichloropropane	11.83	75	17260	1.169	ug/L #	87

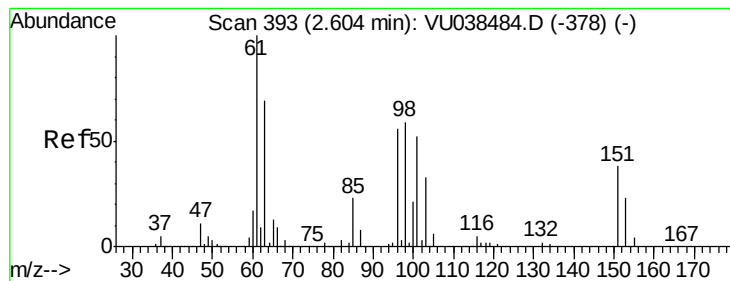
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.364 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038505.D

Acq: 02 Jun 2020 19:46

Instrument :

MSVOA_U

ClientSampleId :

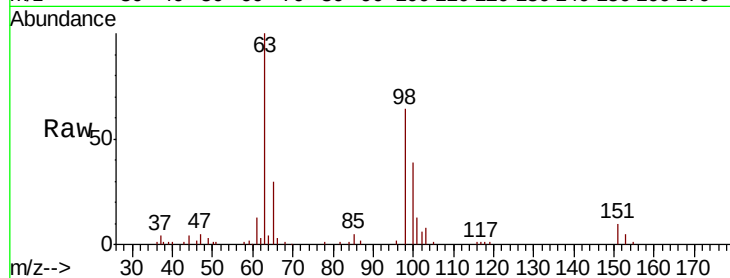
Tot Ion:101 Resp: 6302

Ion Ratio Lower Upper

101 100

85 38.3 34.0 51.0

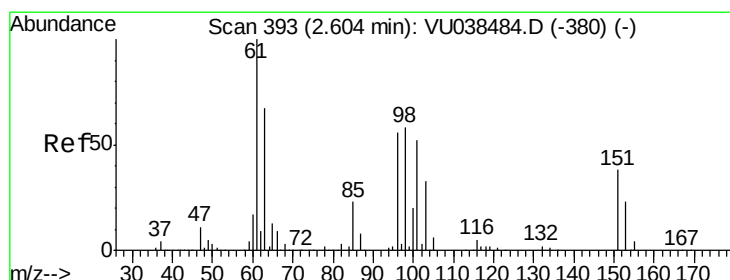
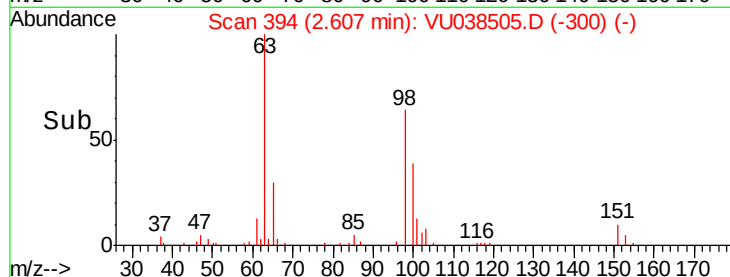
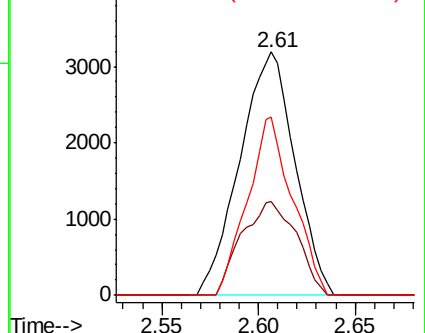
151 60.2 56.9 85.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.066 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU038505.D

Acq: 02 Jun 2020 19:46

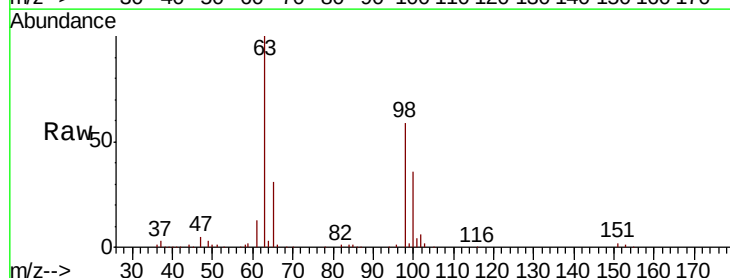
Tgt Ion: 96 Resp: 1154

Ion Ratio Lower Upper

96 100

61 1193.9 119.9 222.7#

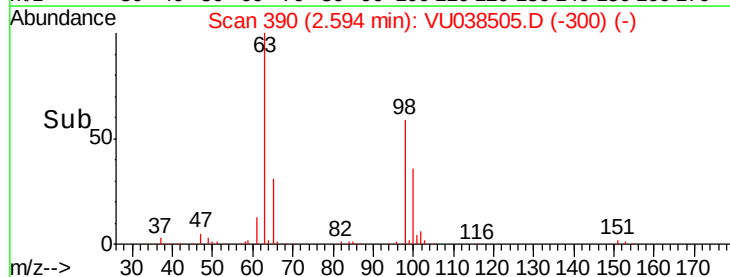
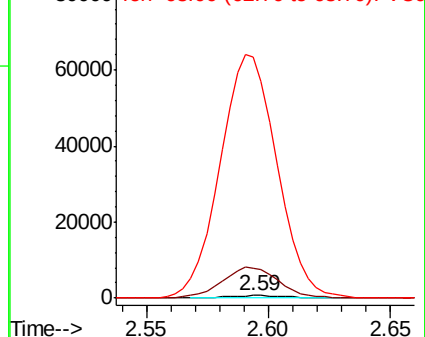
63 9492.2 89.9 167.0#

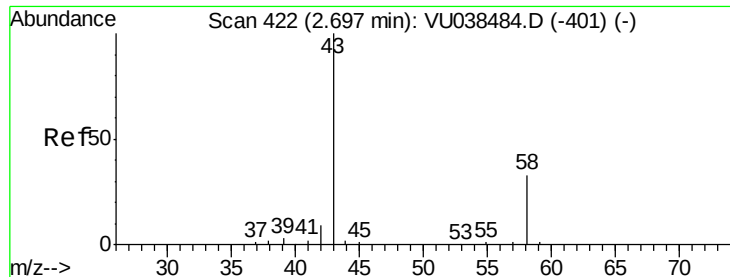


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.018 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.02 min

Lab File: VU038505.D

Acq: 02 Jun 2020 19:46

Instrument :

MSVOA_U

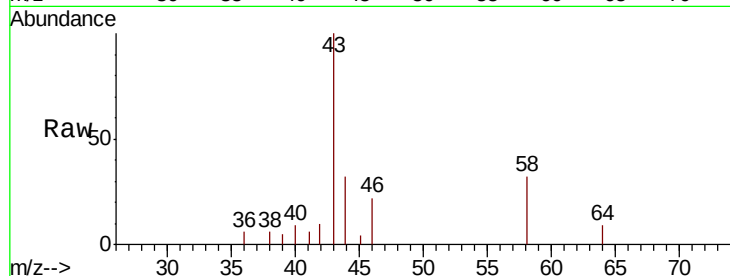
ClientSampleId :

Tot Ion: 43 Resp: 3740

Ion Ratio Lower Upper

43 100

58 34.5 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038484.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU038484.D (-401) (-)

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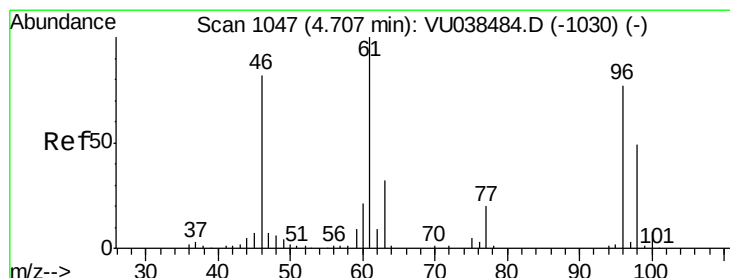
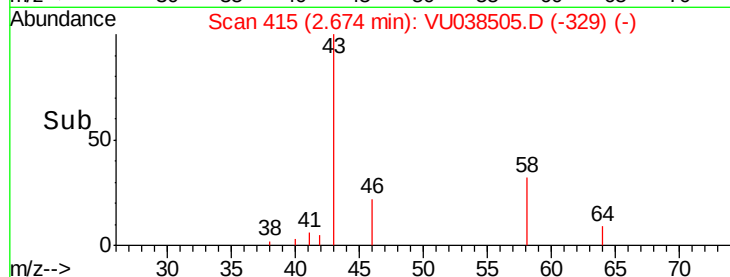
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#22

cis-1,2-Dichloroethene

Concen: 1.852 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038505.D

Acq: 02 Jun 2020 19:46

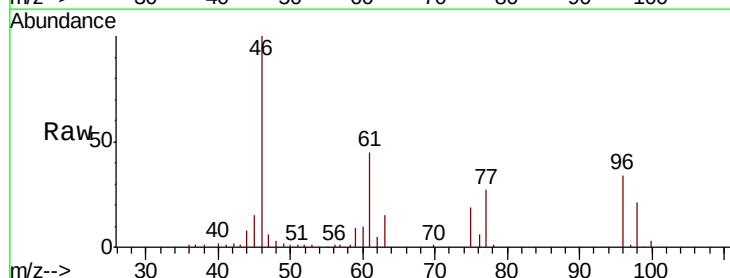
Tgt Ion: 96 Resp: 37799

Ion Ratio Lower Upper

96 100

61 132.5 94.0 174.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038484.D (-1030) (-)

Ion 61.05 (60.75 to 61.75): VU038484.D (-1030) (-)

Ion 68.15 (67.85 to 68.85): VU038484.D (-1030) (-)

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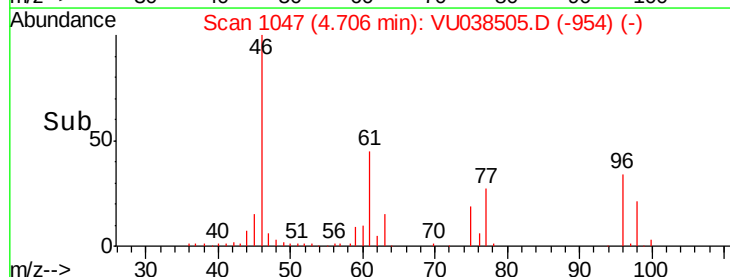
4.71

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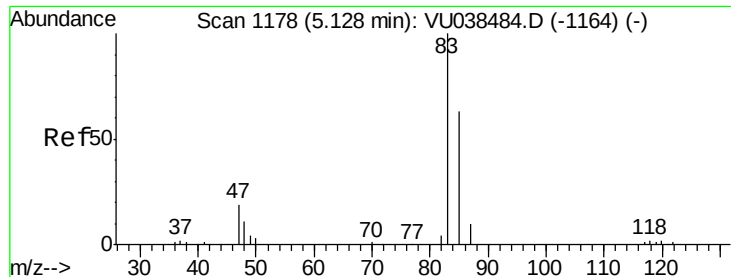
4.71

4.71

4.71



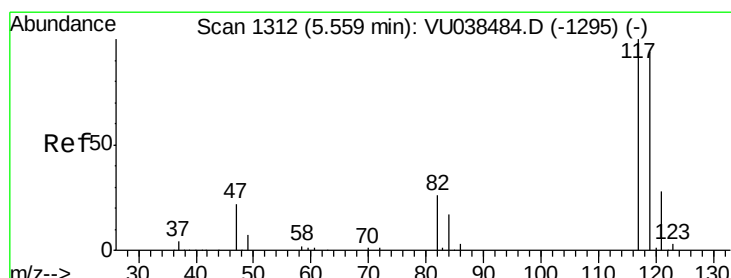
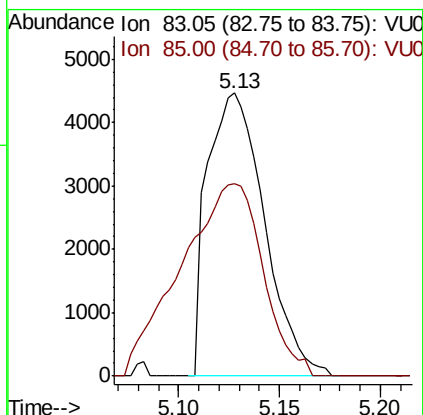
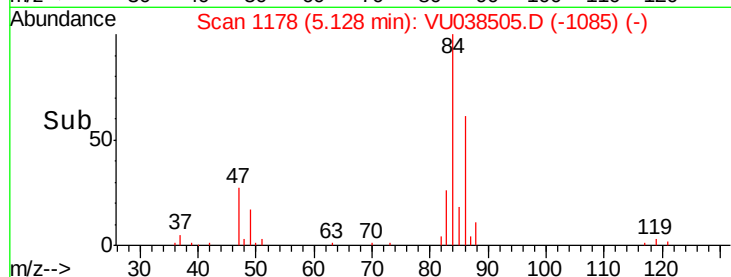
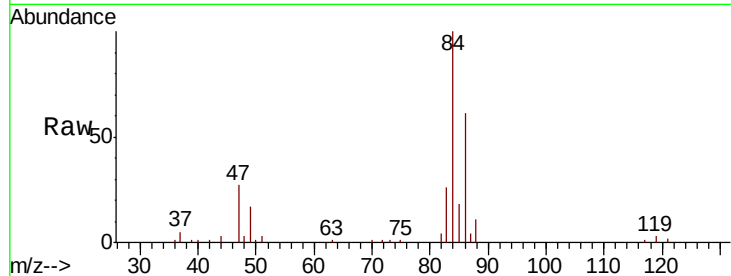
Time-->



#25
Chloroform
Concen: 0.254 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU038505.D
Acq: 02 Jun 2020 19:46

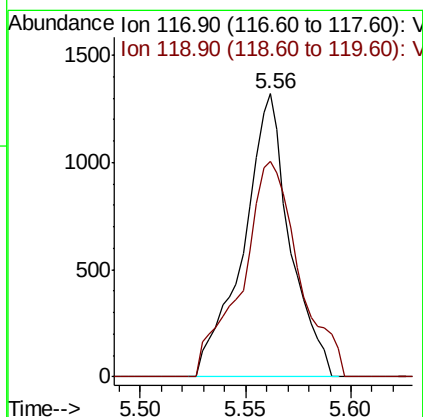
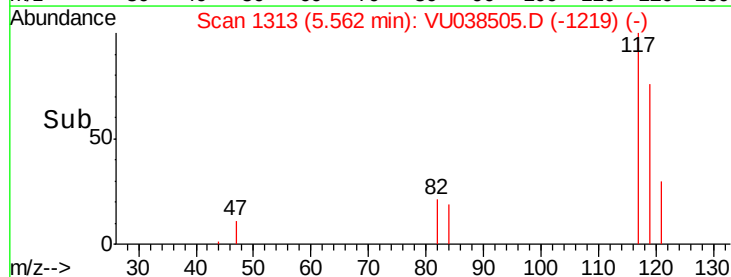
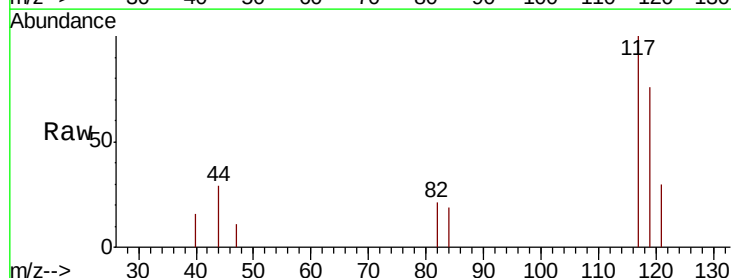
Instrument :
MSVOA_U
ClientSampled :

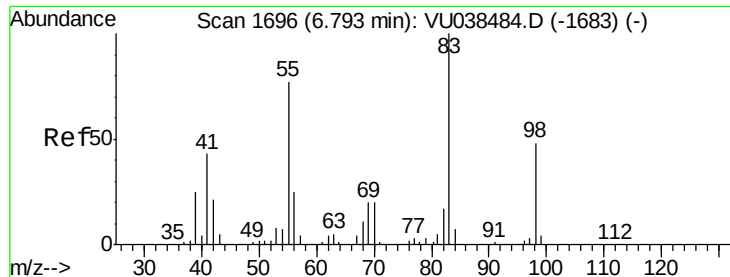
Tot Ion: 83 Resp: 8767
Ion Ratio Lower Upper
83 100
85 67.8 44.9 83.5



#31
Carbon tetrachloride
Concen: 0.082 ug/L
RT: 5.56 min Scan# 1313
Delta R.T. 0.00 min
Lab File: VU038505.D
Acq: 02 Jun 2020 19:46

Tgt Ion: 117 Resp: 2035
Ion Ratio Lower Upper
117 100
119 92.9 76.6 115.0

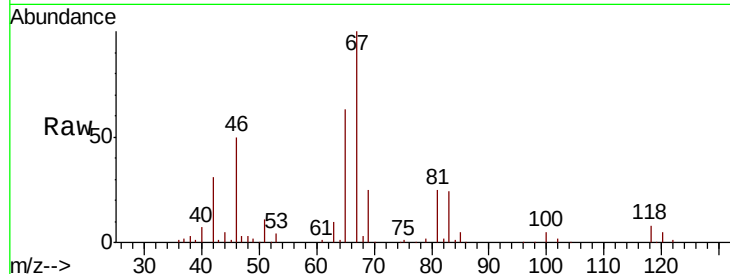




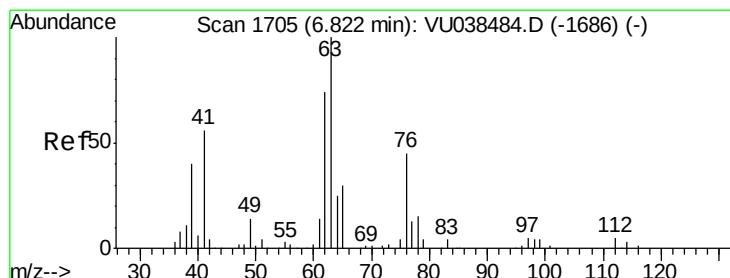
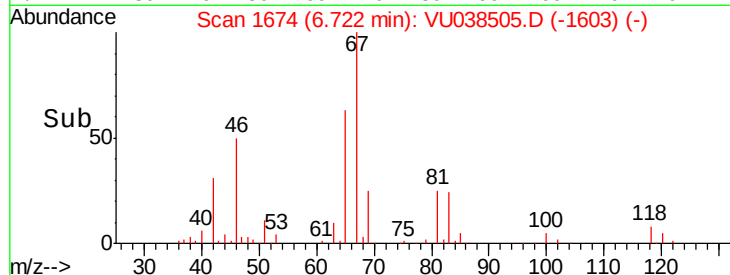
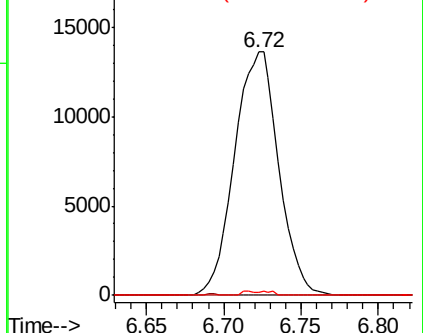
#35
Methylvlcyclohexane
Concen: 0.855 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU038505.D
Acq: 02 Jun 2020 19:46

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 27003
Ion Ratio Lower Upper
83 100
55 0.2 63.4 95.2#
98 0.6 39.0 58.4#

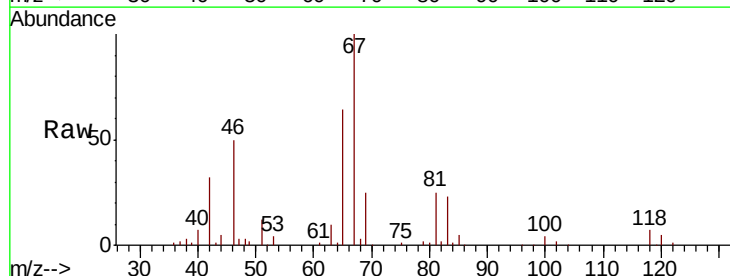


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

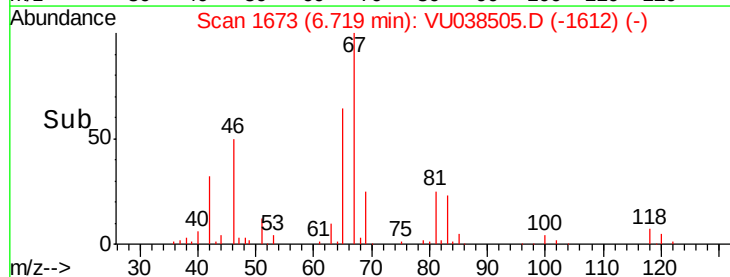
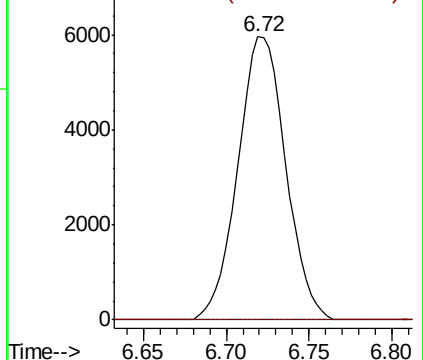


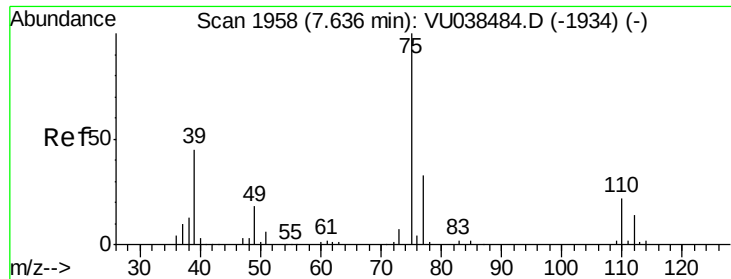
#37
1,2-Dichloropropane
Concen: 0.604 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.10 min
Lab File: VU038505.D
Acq: 02 Jun 2020 19:46

Tgt Ion: 63 Resp: 11952
Ion Ratio Lower Upper
63 100
112 0.0 3.7 5.5#



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

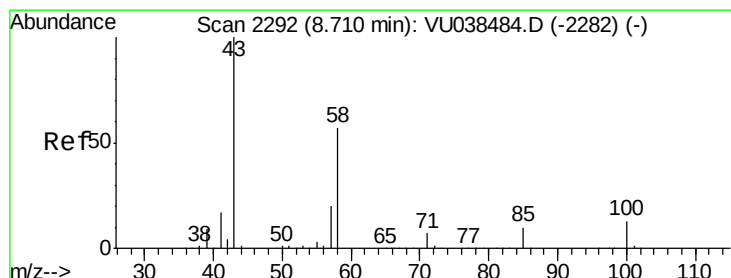
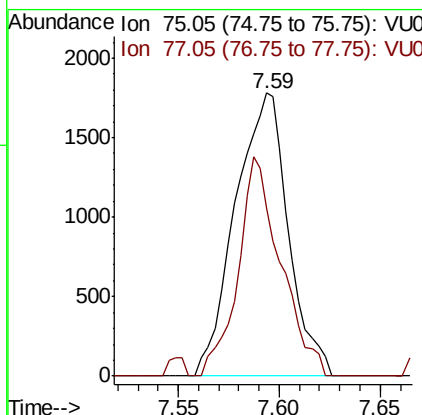
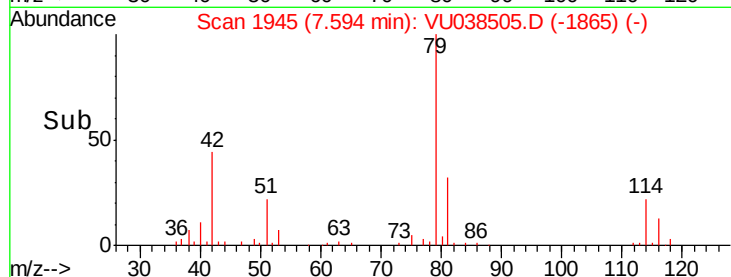
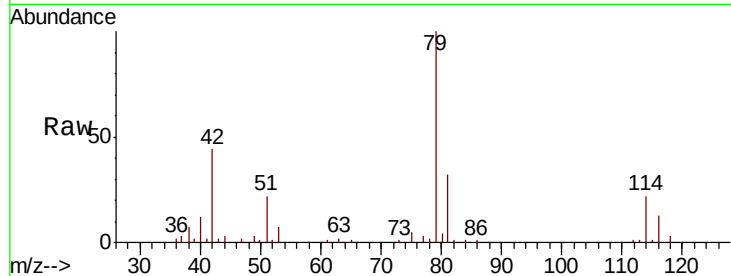




#39
 cis-1,3-Dichloropropene
 Concen: 0.112 ug/L
 RT: 7.59 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: VU038505.D
 Acq: 02 Jun 2020 19:46

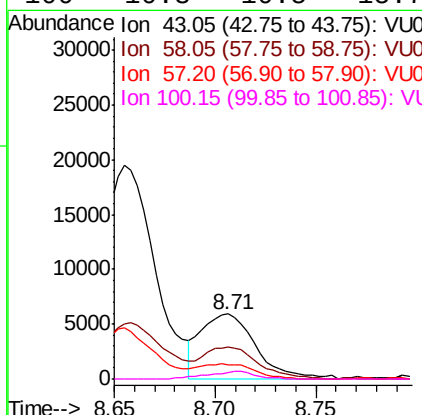
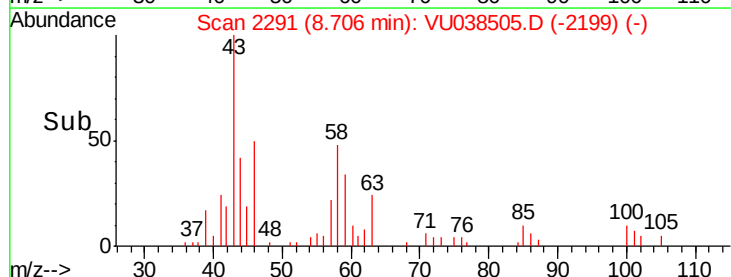
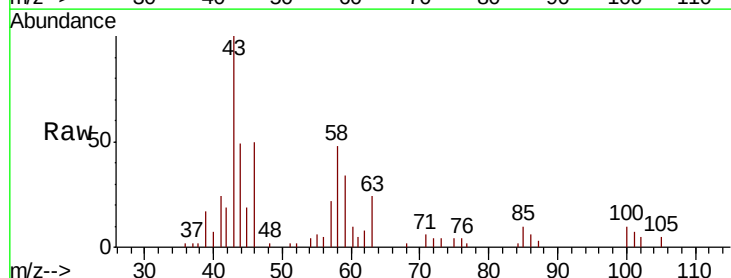
Instrument :
 MSVOA_U
 ClientSampleId :

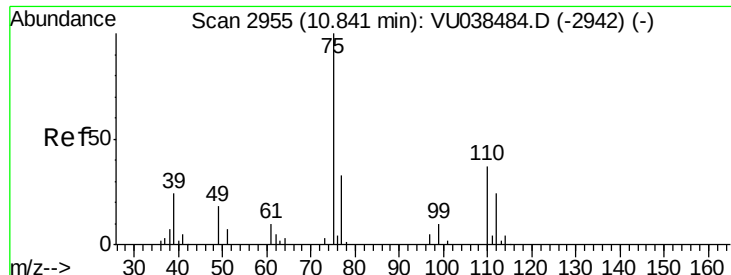
Tot Ion: 75 Resp: 3269
 Ion Ratio Lower Upper
 75 100
 77 59.5 21.9 40.7#



#48
 2-Hexanone
 Concen: 1.042 ug/L
 RT: 8.71 min Scan# 2291
 Delta R.T. -0.00 min
 Lab File: VU038505.D
 Acq: 02 Jun 2020 19:46

Tgt Ion: 43 Resp: 11166
 Ion Ratio Lower Upper
 43 100
 58 50.7 45.4 68.0
 57 25.3 15.9 23.9#
 100 10.3 10.5 15.7#





#59

1,2,3-Trichloropropane

Concen: 1.169 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU038505.D

Acq: 02 Jun 2020 19:46

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 17260

Ion Ratio Lower Upper

75 100

77 38.9 25.4 38.2#

