

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060220\
 Data File : VU038503.D
 Acq On : 02 Jun 2020 19:00
 Operator : JC/MD
 Sample : L2856-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 03 00:52:00 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	286101	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	283299	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	133161	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	63339	3.42	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.40%
7) Chloroethane-d5	1.93	69	63691	4.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.60%
11) 1,1-Dichloroethene-d2	2.59	63	106494	2.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.40%#
20) 2-Butanone-d5	4.68	46	359691	63.94	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	127.88%
24) Chloroform-d	5.10	84	179024	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
26) 1,2-Dichloroethane-d4	5.74	65	110703	5.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.20%
32) Benzene-d6	5.76	84	340811	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
36) 1,2-Dichloropropane-d6	6.72	67	110918	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.00%
41) Toluene-d8	7.92	98	273008	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.00%
43) trans-1,3-Dichloropropene-	8.20	79	43568	4.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.20%
46) 2-Hexanone-d5	8.65	63	310404	67.20	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	134.40%#
57) 1,1,2,2-Tetrachloroethane-	10.77	84	105107	5.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	123198	5.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.20%

Target Compounds

					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	3087	0.178 ug/L #	80
13) Acetone	2.67	43	6623	1.799 ug/L	90
15) Methyl Acetate	2.99	43	1571	0.174 ug/L #	51
19) 1,1-Dichloroethane	3.91	63	6919	0.204 ug/L #	93
22) cis-1,2-Dichloroethene	4.70	96	4209	0.206 ug/L	81
25) Chloroform	5.12	83	24154	0.700 ug/L	98
34) Trichloroethene	6.57	95	17295	0.843 ug/L	95
35) Methylcyclohexane	6.72	83	27237	0.858 ug/L #	18
37) 1,2-Dichloropropane	6.72	63	12568	0.632 ug/L #	86
39) cis-1,3-Dichloropropene	7.59	75	3094	0.105 ug/L #	73
45) 1,1,2-Trichloroethane	8.57	97	2063	0.138 ug/L #	4
47) Tetrachloroethene	8.57	164	213074	14.303 ug/L	97
48) 2-Hexanone	8.71	43	9985	0.927 ug/L #	92
49) Dibromochloromethane	8.57	129	198433	12.258 ug/L #	11
59) 1,2,3-Trichloropropane	11.82	75	16910	1.140 ug/L	89

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Quant Time: Jun 03 00:52:00 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

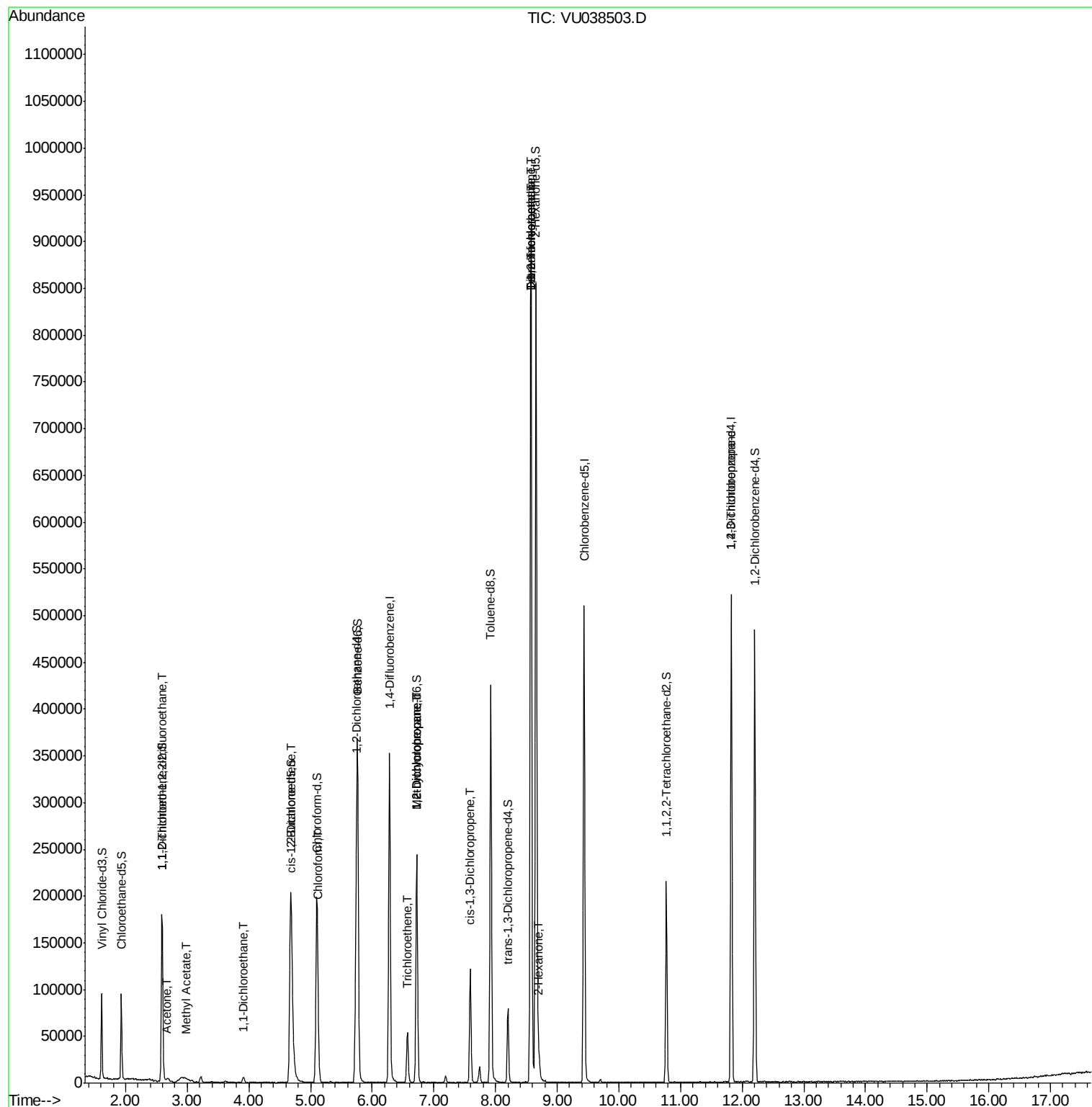
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

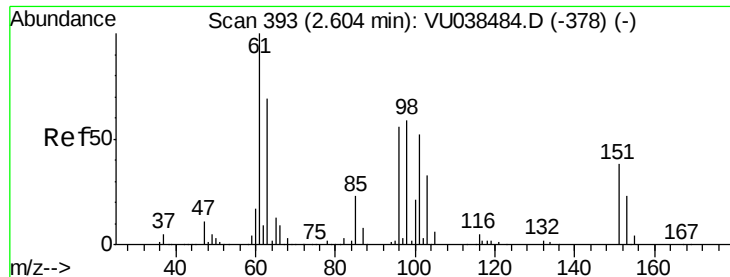
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#10

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

Concen: 0.178 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038503.D

Acq: 02 Jun 2020 19:00

Instrument :

MSVOA_U

ClientSampleId :

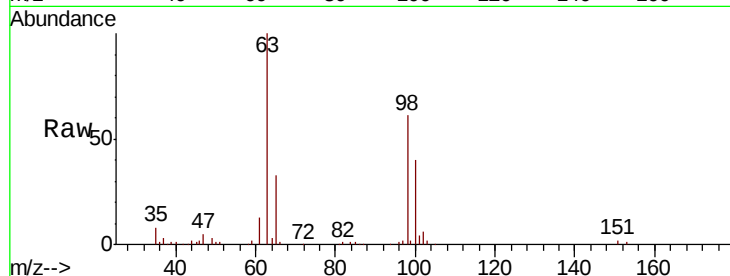
Tot Ion:101 Resp: 3087

Ion Ratio Lower Upper

101 100

85 34.7 34.0 51.0

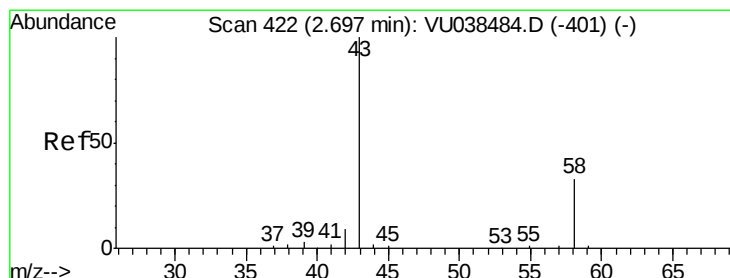
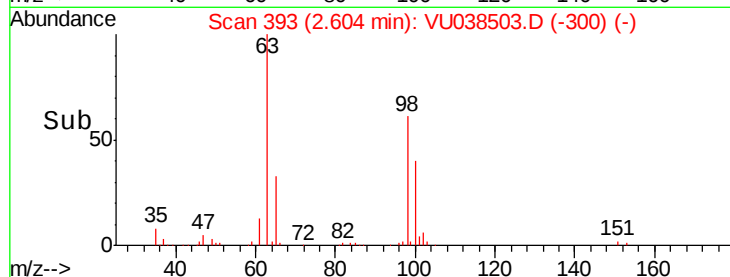
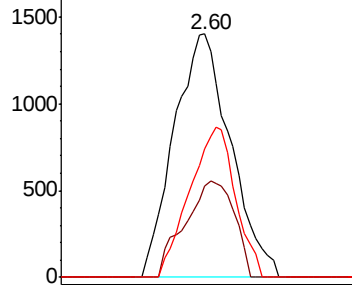
151 50.2 56.9 85.3#



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



#13

Acetone

Concen: 1.799 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.02 min

Lab File: VU038503.D

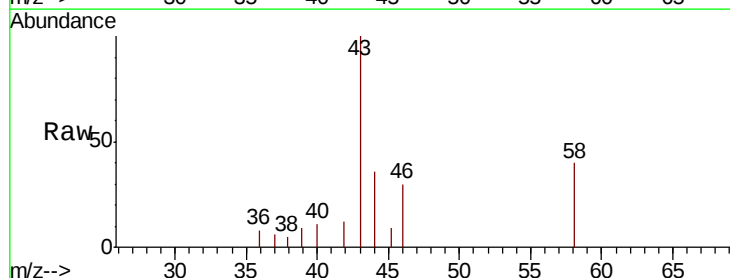
Acq: 02 Jun 2020 19:00

Tgt Ion: 43 Resp: 6623

Ion Ratio Lower Upper

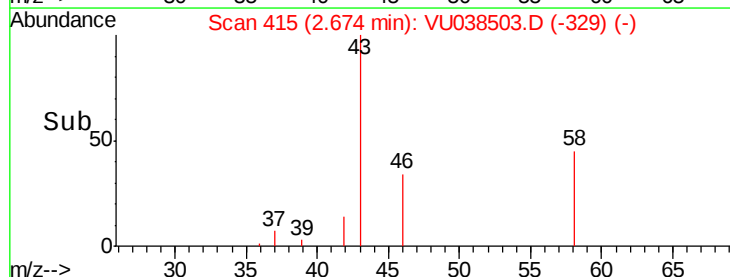
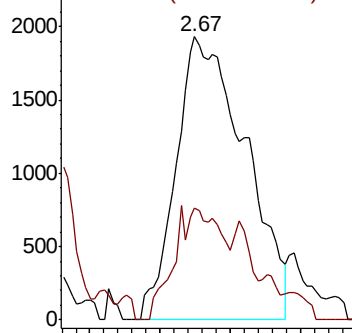
43 100

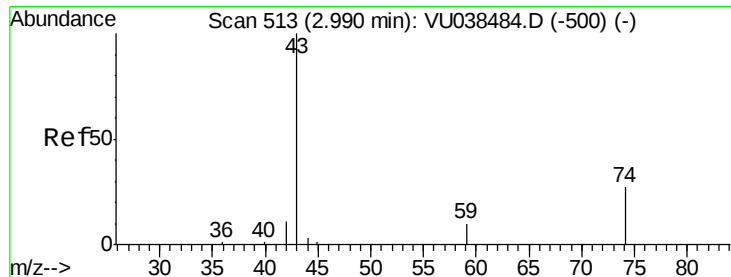
58 27.4 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

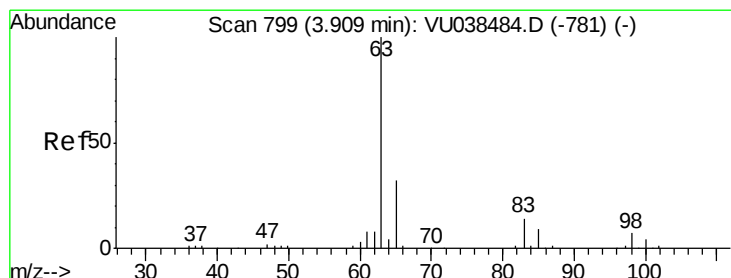
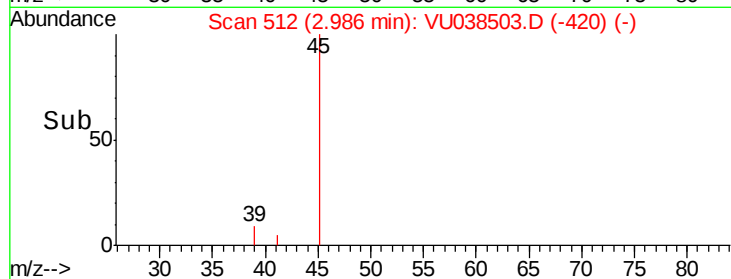
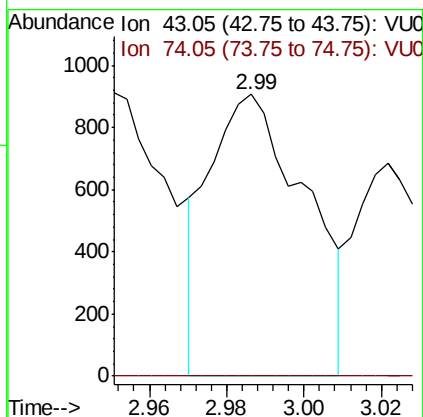
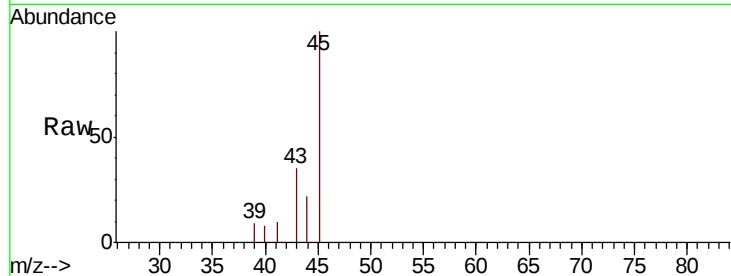




#15
Methvl Acetate
Concen: 0.174 ug/L
RT: 2.99 min Scan# 512
Delta R.T. -0.00 min
Lab File: VU038503.D
Acq: 02 Jun 2020 19:00

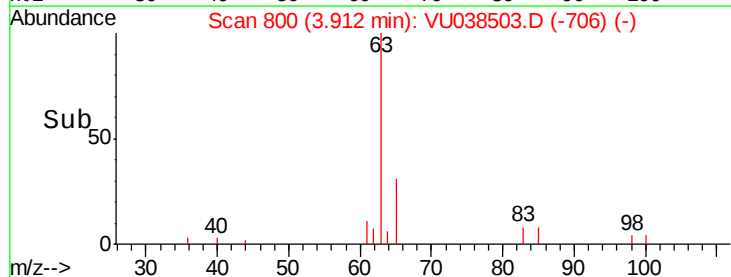
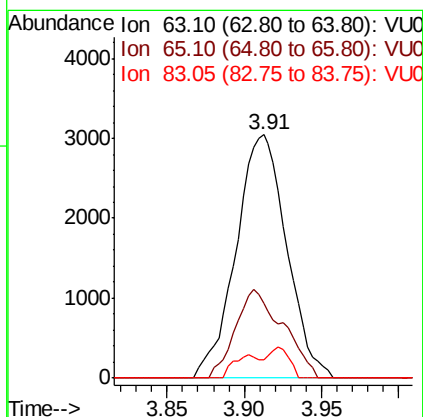
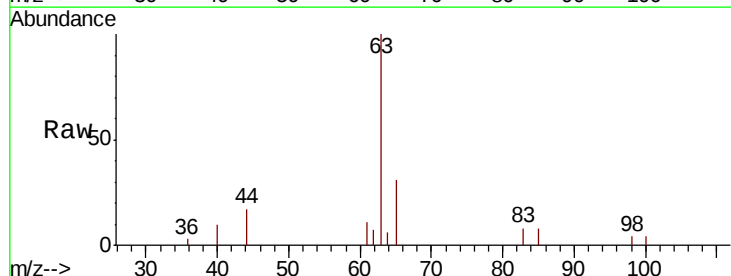
Instrument :
MSVOA_U
ClientSampled :

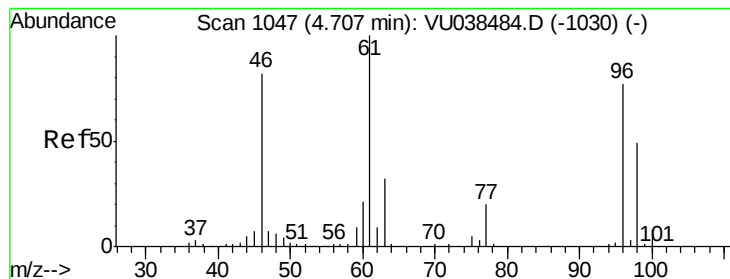
Tot Ion: 43 Resp: 1571
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#19
1,1-Dichloroethane
Concen: 0.204 ug/L
RT: 3.91 min Scan# 800
Delta R.T. 0.00 min
Lab File: VU038503.D
Acq: 02 Jun 2020 19:00

Tgt Ion: 63 Resp: 6919
Ion Ratio Lower Upper
63 100
65 30.8 22.3 41.5
83 7.7 10.4 19.4#





#22

cis-1,2-Dichloroethene

Concen: 0.206 ug/L

RT: 4.70 min Scan# 1045

Delta R.T. -0.01 min

Lab File: VU038503.D

Acq: 02 Jun 2020 19:00

Instrument :

MSVOA_U

ClientSampleId :

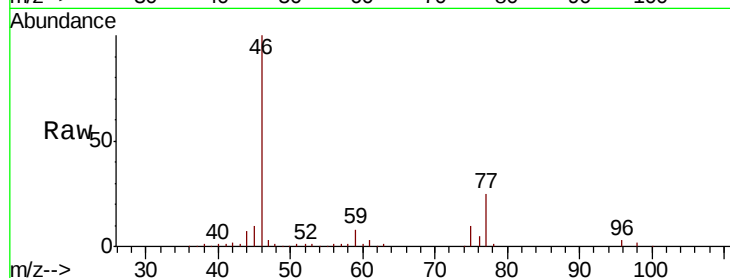
Tot Ion: 96 Resp: 4209

Ion Ratio Lower Upper

96 100

61 111.3 94.0 174.6

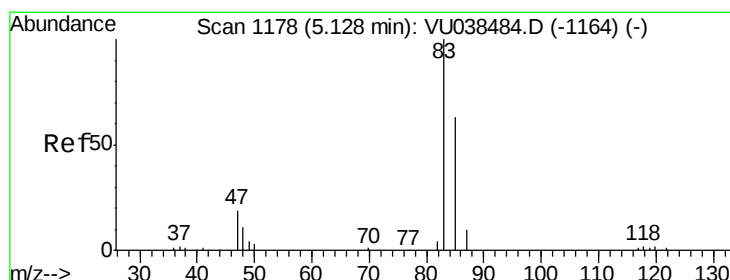
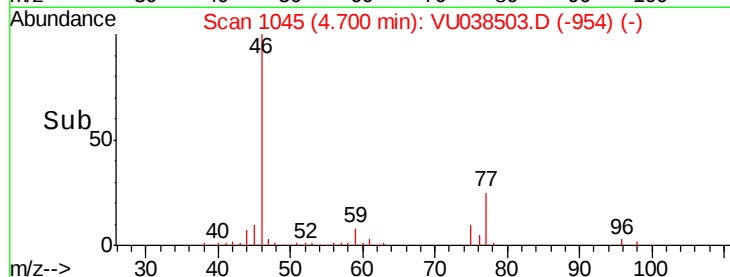
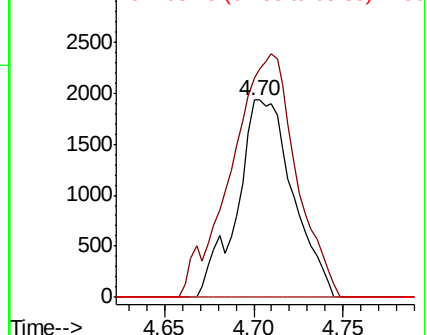
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038503.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU038503.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU038503.D (-954) (-)



#25

Chloroform

Concen: 0.700 ug/L

RT: 5.12 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VU038503.D

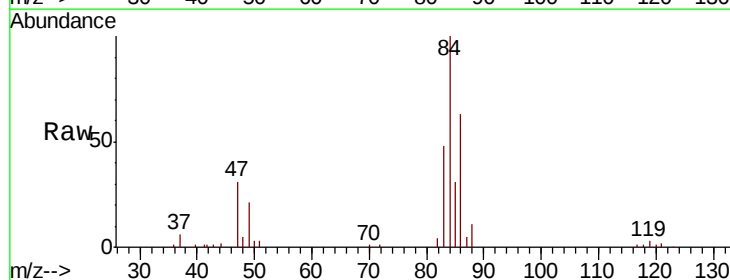
Acq: 02 Jun 2020 19:00

Tgt Ion: 83 Resp: 24154

Ion Ratio Lower Upper

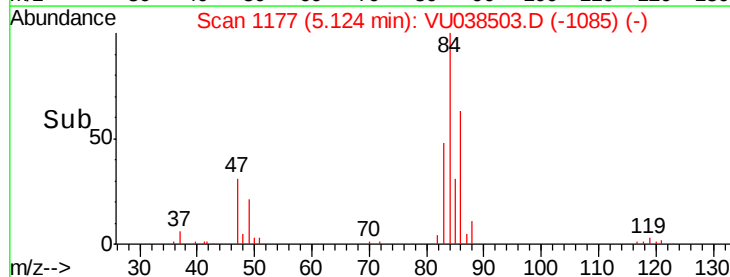
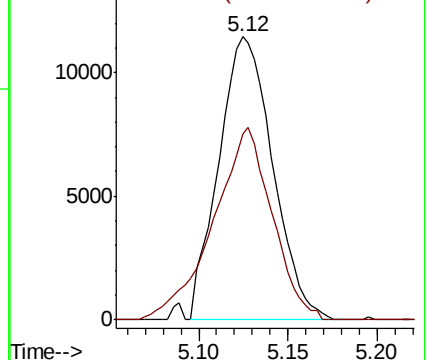
83 100

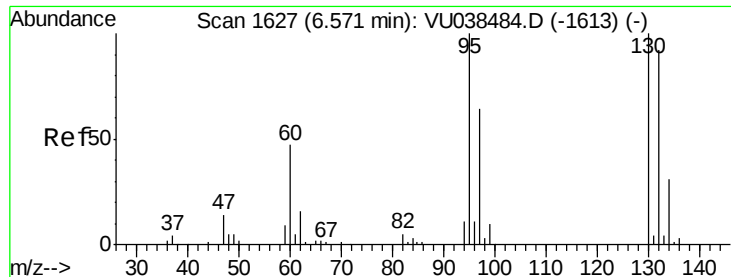
85 65.8 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VU038503.D (-1085) (-)

Ion 85.00 (84.70 to 85.70): VU038503.D (-1085) (-)

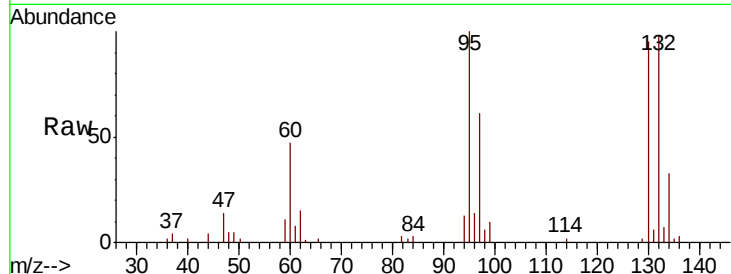




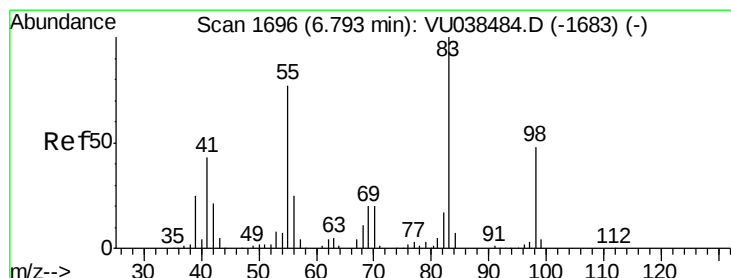
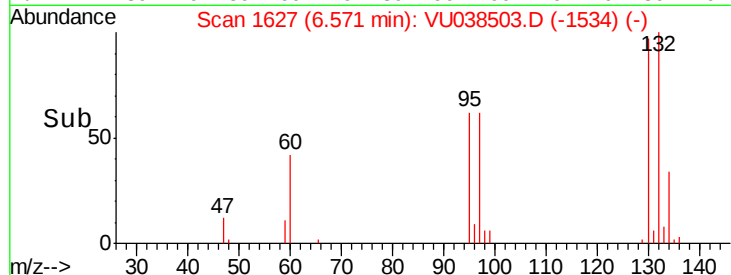
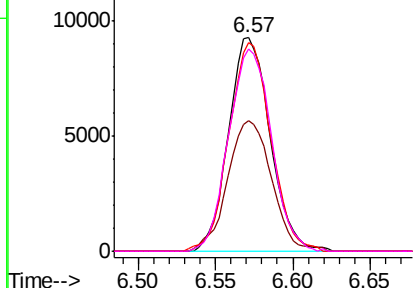
#34
 Trichloroethene
 Concen: 0.843 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU038503.D
 Acq: 02 Jun 2020 19:00

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 17295
 Ion Ratio Lower Upper
 95 100
 97 61.0 46.8 87.0
 132 97.8 66.1 122.7
 130 94.9 70.0 130.0

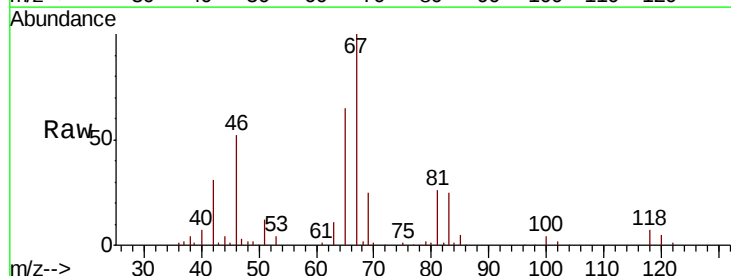


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

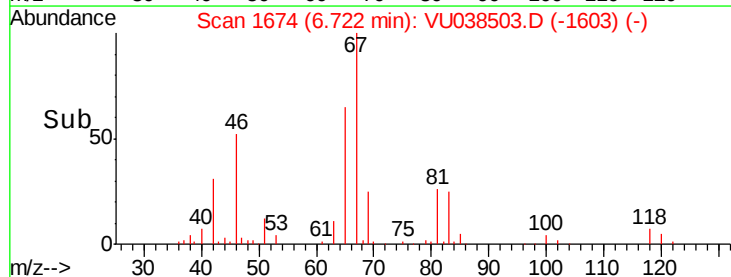
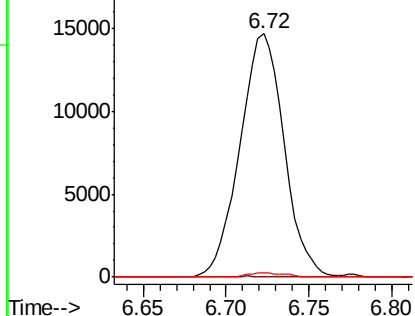


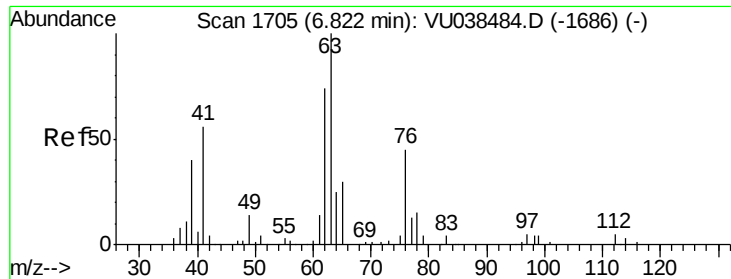
#35
 Methylcyclohexane
 Concen: 0.858 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.07 min
 Lab File: VU038503.D
 Acq: 02 Jun 2020 19:00

Tgt Ion: 83 Resp: 27237
 Ion Ratio Lower Upper
 83 100
 55 0.1 63.4 95.2#
 98 1.4 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

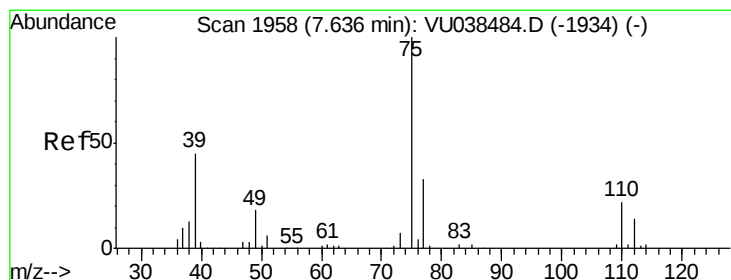
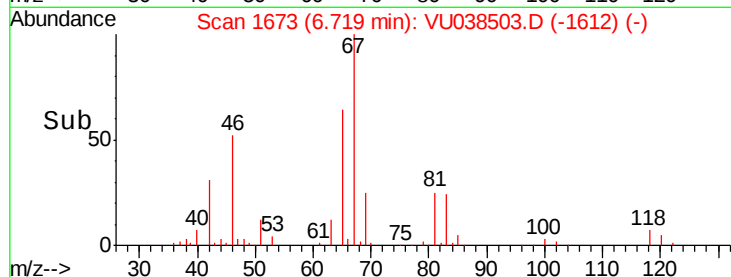
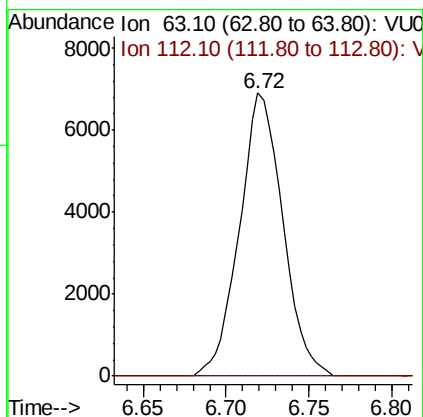
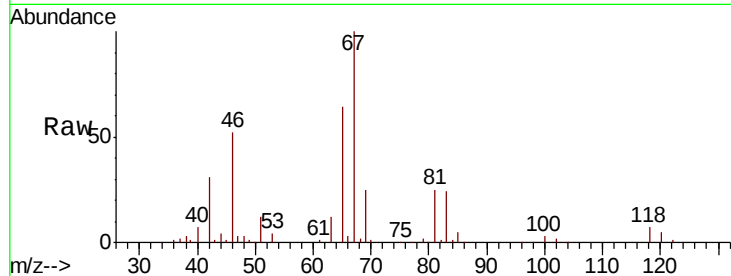




#37
 1,2-Dichloropropane
 Concen: 0.632 ug/L
 RT: 6.72 min Scan# 1673
 Delta R.T. -0.10 min
 Lab File: VU038503.D
 Acq: 02 Jun 2020 19:00

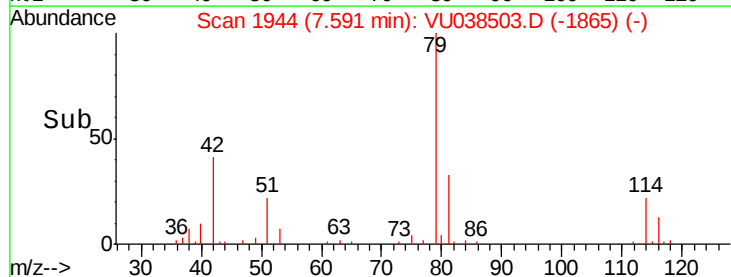
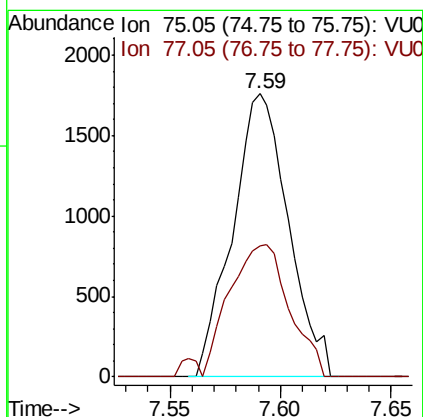
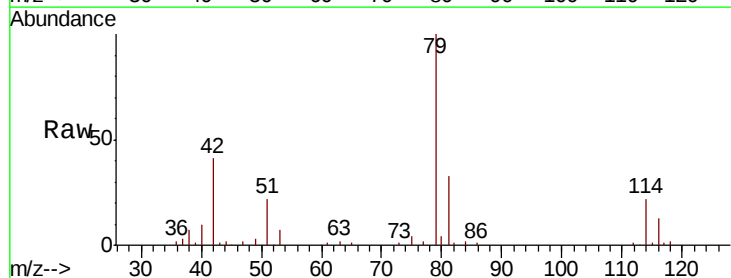
Instrument :
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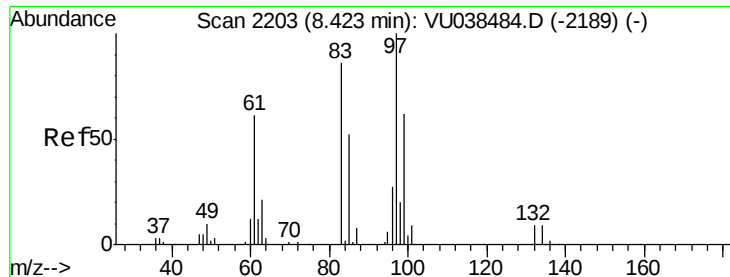
Tot Ion: 63 Resp: 12568
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#



#39
 cis-1,3-Dichloropropene
 Concen: 0.105 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.05 min
 Lab File: VU038503.D
 Acq: 02 Jun 2020 19:00

Tgt Ion: 75 Resp: 3094
 Ion Ratio Lower Upper
 75 100
 77 46.1 21.9 40.7#

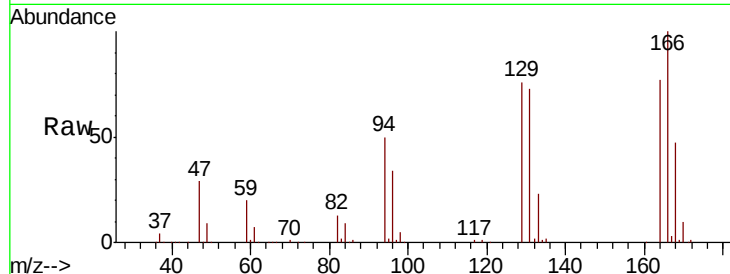




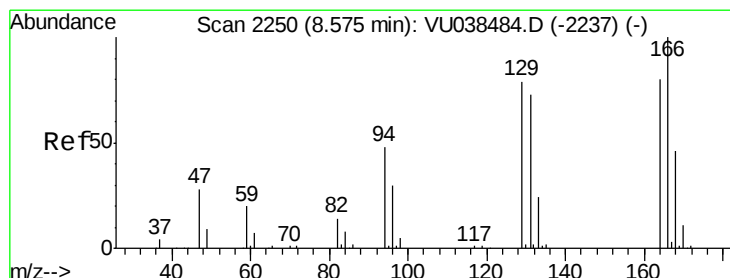
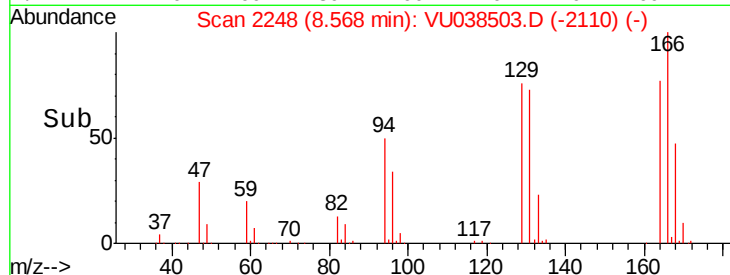
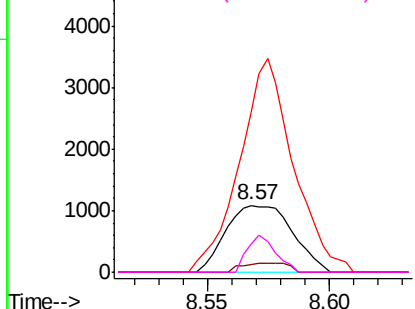
#45
1,1,2-Trichloroethane
Concen: 0.138 ug/L
RT: 8.57 min Scan# 2248
Delta R.T. 0.14 min
Lab File: VU038503.D
Acq: 02 Jun 2020 19:00

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 97 Resp: 2063
Ion Ratio Lower Upper
97 100
99 12.1 42.1 78.1#
83 238.4 58.8 109.2#
85 42.8 37.4 69.4

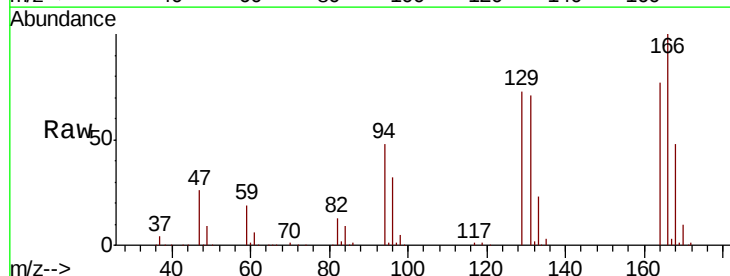


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

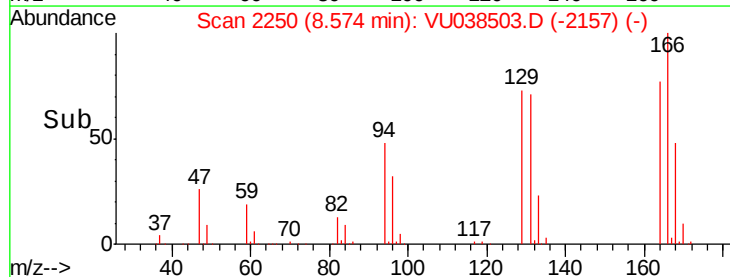
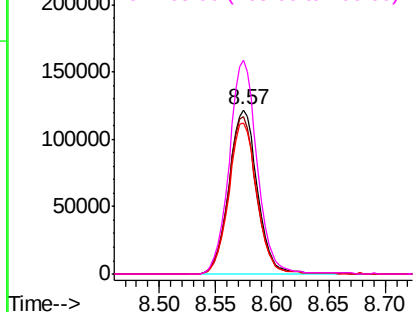


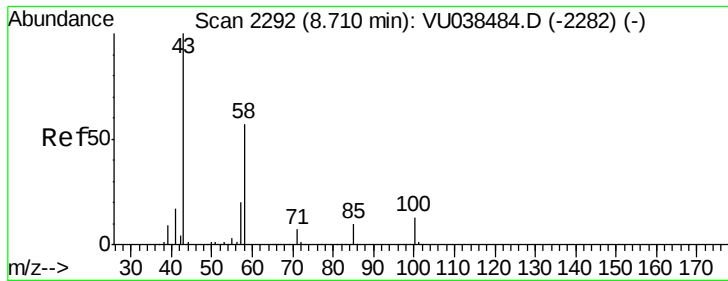
#47
Tetrachloroethene
Concen: 14.303 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.00 min
Lab File: VU038503.D
Acq: 02 Jun 2020 19:00

Tgt Ion:164 Resp: 213074
Ion Ratio Lower Upper
164 100
129 95.7 67.4 125.2
131 92.5 64.1 119.1
166 130.2 85.7 159.1



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

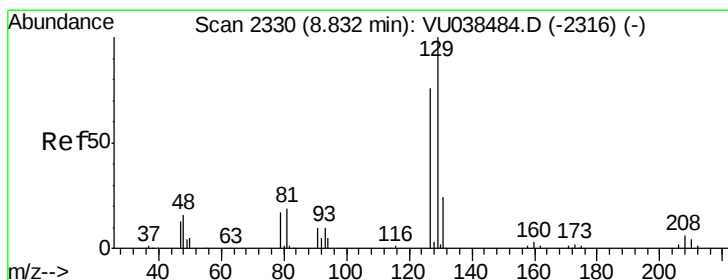
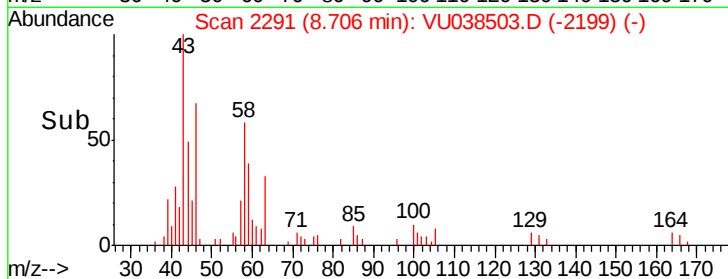
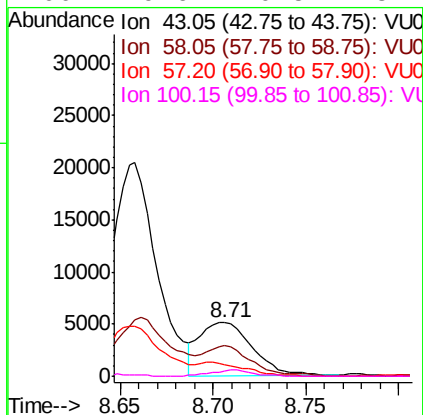
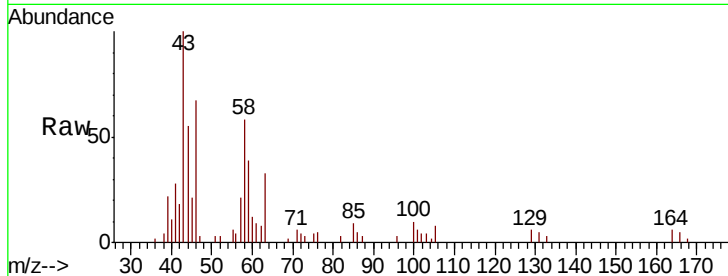




#48
2-Hexanone
Concen: 0.927 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038503.D
Acq: 02 Jun 2020 19:00

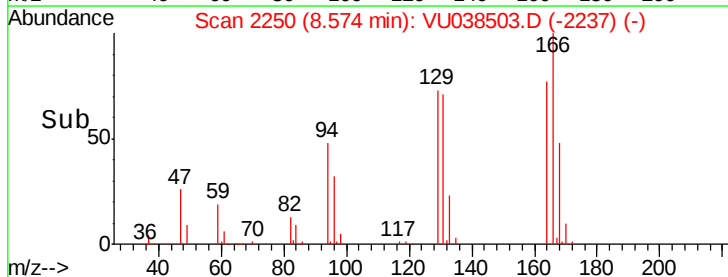
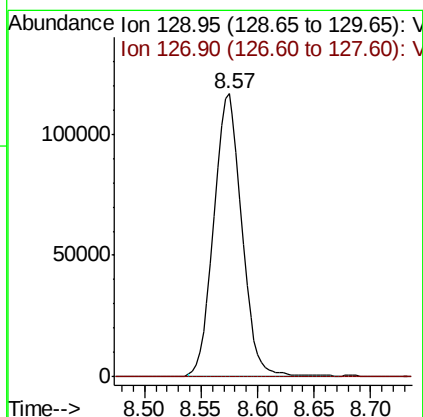
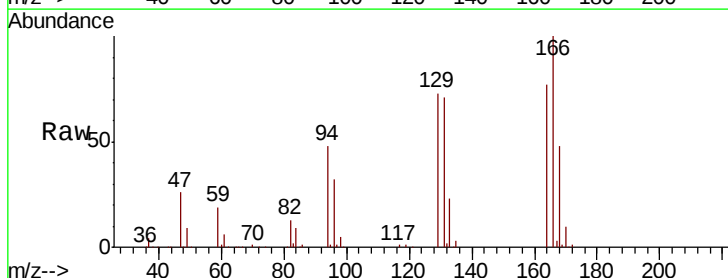
Instrument :
MSVOA_U
ClientSampleId :

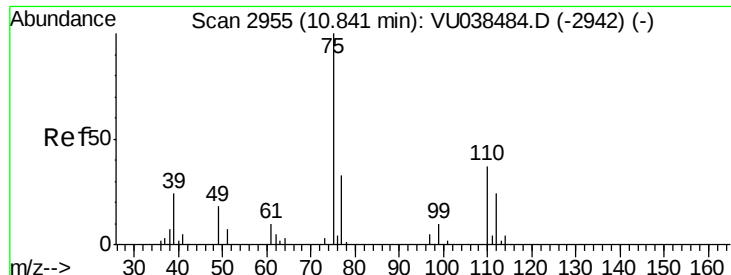
Tot Ion: 43 Resp: 9985
Ion Ratio Lower Upper
43 100
58 50.1 45.4 68.0
57 22.1 15.9 23.9
100 9.6 10.5 15.7#



#49
Dibromochloromethane
Concen: 12.258 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.26 min
Lab File: VU038503.D
Acq: 02 Jun 2020 19:00

Tgt Ion: 129 Resp: 198433
Ion Ratio Lower Upper
129 100
127 0.0 53.3 99.1#





#59

1,2,3-Trichloropropane

Concen: 1.140 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU038503.D

Acq: 02 Jun 2020 19:00

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 16910

Ion Ratio Lower Upper

75 100

77 38.1 25.4 38.2

