

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053120\
 Data File : VU038441.D
 Acq On : 31 May 2020 02:47
 Operator : JC/MD
 Sample : L2787-18
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 01 06:30:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 01 06:27:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	312035	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	306382	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	147413	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	97368	4.82	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.40%
7) Chloroethane-d5	1.93	69	81121	5.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.60%
11) 1,1-Dichloroethene-d2	2.59	63	143863	3.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.40%
20) 2-Butanone-d5	4.68	46	365656	59.60	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.20%
24) Chloroform-d	5.10	84	196240	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
26) 1,2-Dichloroethane-d4	5.74	65	118630	5.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.20%
32) Benzene-d6	5.76	84	402653	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.20%
36) 1,2-Dichloropropane-d6	6.72	67	124404	5.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.80%
41) Toluene-d8	7.92	98	332871	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
43) trans-1,3-Dichloropropene-	8.20	79	48314	4.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.60%
46) 2-Hexanone-d5	8.65	63	304727	61.00	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	122.00%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	108150	5.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	134908	5.31	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.20%

Target Compounds

					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	13467	0.712 ug/L	97
12) 1,1-Dichloroethene	2.60	96	2383	0.124 ug/L #	1
13) Acetone	2.68	43	16061	4.000 ug/L	96
15) Methyl Acetate	2.99	43	2384	0.242 ug/L #	74
19) 1,1-Dichloroethane	3.91	63	77082	2.080 ug/L	97
21) 2-Butanone	4.85	43	270137	40.002 ug/L #	50
22) cis-1,2-Dichloroethene	4.71	96	23063	1.034 ug/L	98
25) Chloroform	5.12	83	13974	0.371 ug/L	91
30) Cyclohexane	5.42	56	5360	0.158 ug/L	99
34) Trichloroethene	6.57	95	358152	16.151 ug/L	98
35) Methylcyclohexane	6.72	83	29643	0.863 ug/L #	18
37) 1,2-Dichloropropane	6.72	63	13441	0.625 ug/L #	86
39) cis-1,3-Dichloropropene	7.59	75	3505	0.110 ug/L #	63
47) Tetrachloroethene	8.57	164	17351	1.077 ug/L	97
48) 2-Hexanone	8.71	43	15343	1.318 ug/L #	98
49) Dibromochloromethane	8.57	129	17253	0.985 ug/L #	11
59) 1,2,3-Trichloropropane	11.82	75	19127	1.192 ug/L	90

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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 01 06:27:31 2020
Response via : Initial Calibration

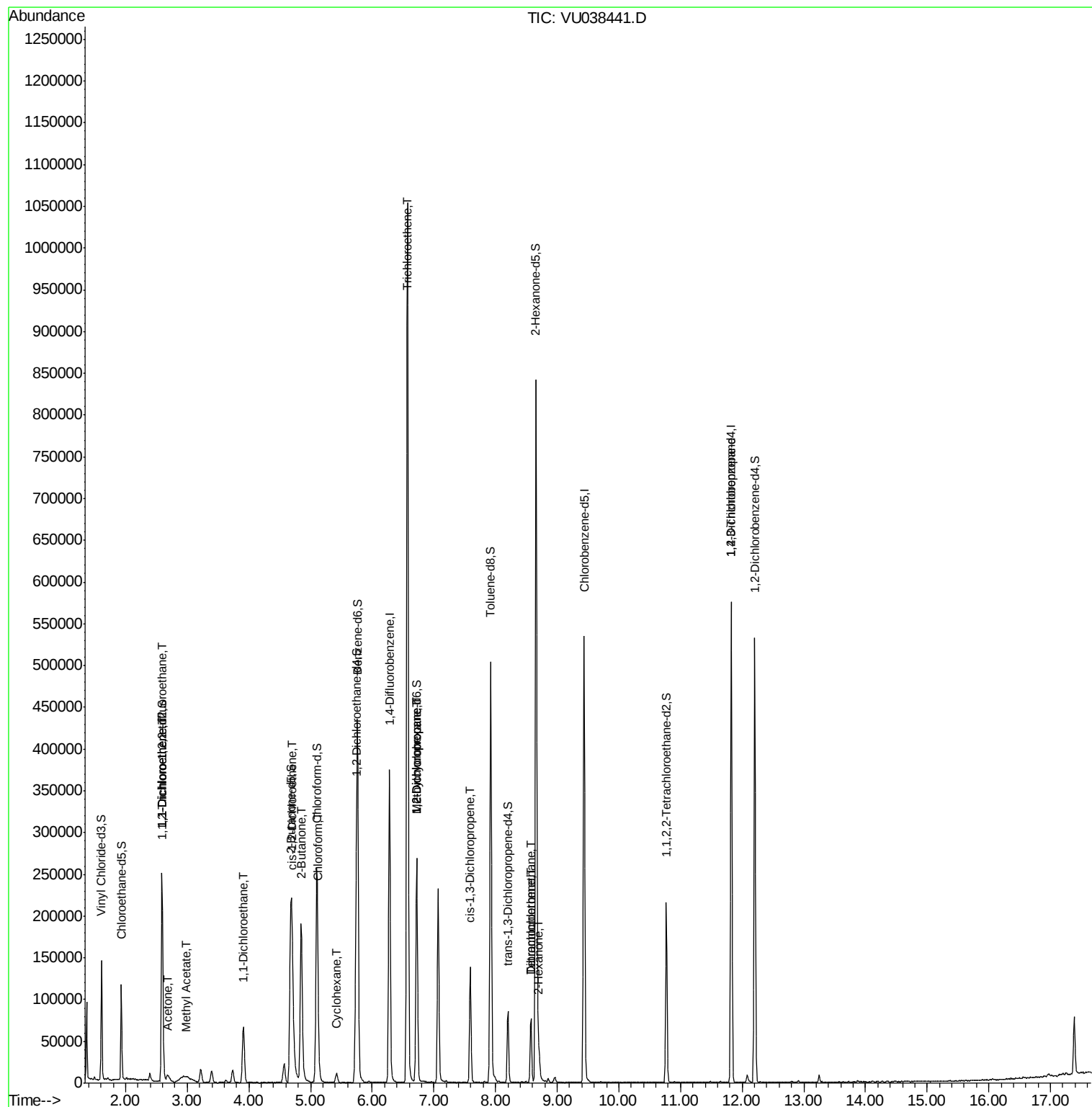
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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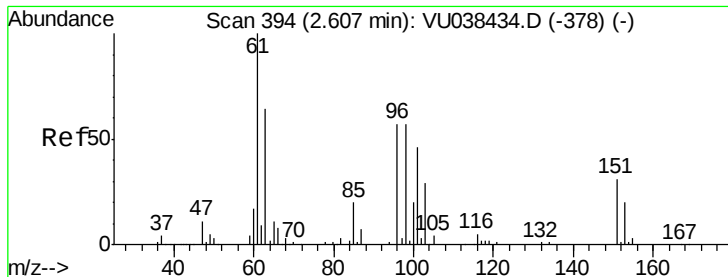
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.712 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038441.D

Acq: 31 May 2020 02:47

Instrument :

MSVOA_U

ClientSampleId :

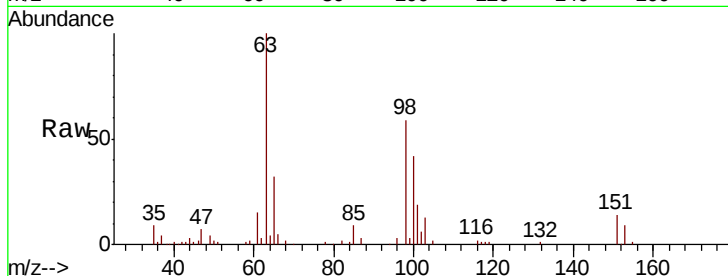
Tot Ion:101 Resp: 13467

Ion Ratio Lower Upper

101 100

85 40.6 34.0 51.0

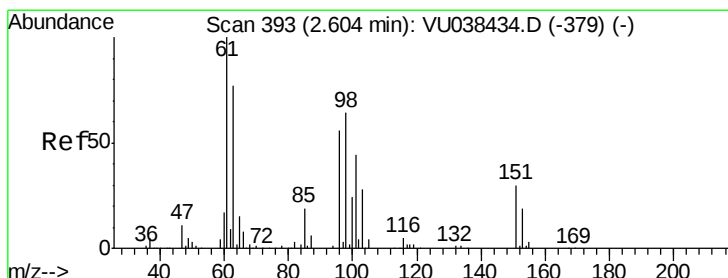
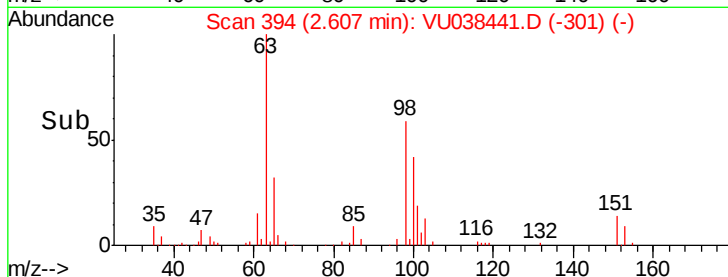
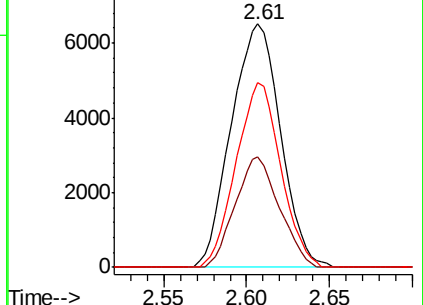
151 68.7 56.9 85.3



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: 0.124 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU038441.D

Acq: 31 May 2020 02:47

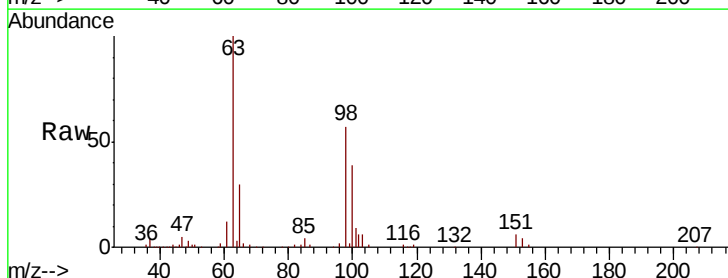
Tgt Ion: 96 Resp: 2383

Ion Ratio Lower Upper

96 100

61 783.8 119.9 222.7#

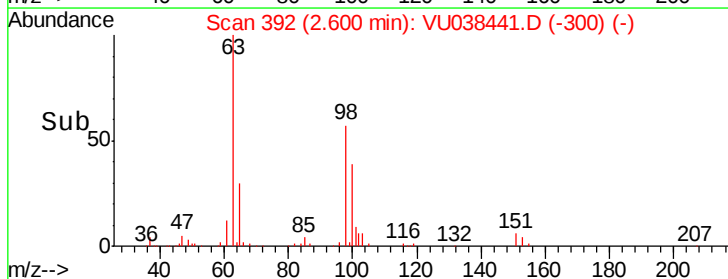
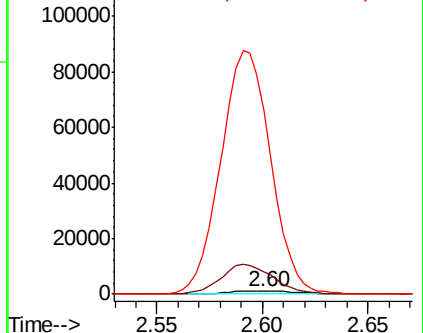
63 6321.4 89.9 167.0#

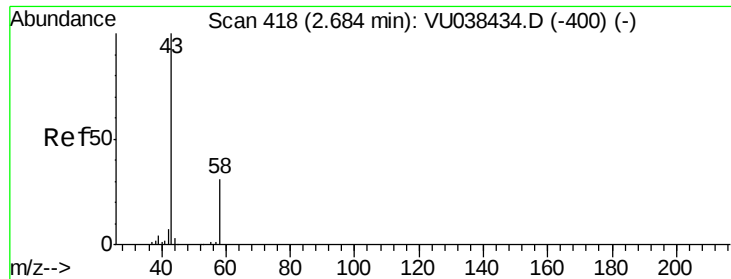


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 4.000 ug/L

RT: 2.68 min Scan# 417

Delta R.T. -0.00 min

Lab File: VU038441.D

Acq: 31 May 2020 02:47

Instrument :

MSVOA_U

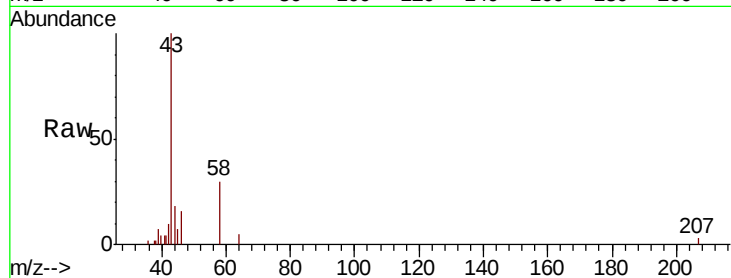
ClientSampleId :

Tot Ion: 43 Resp: 16061

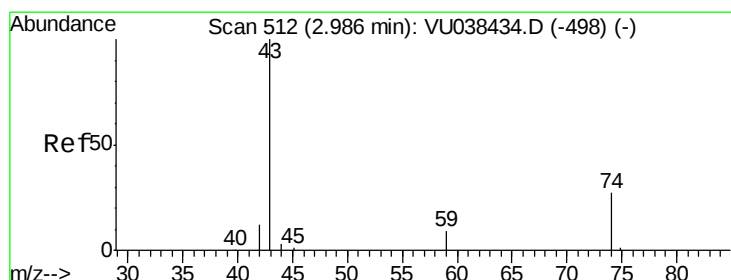
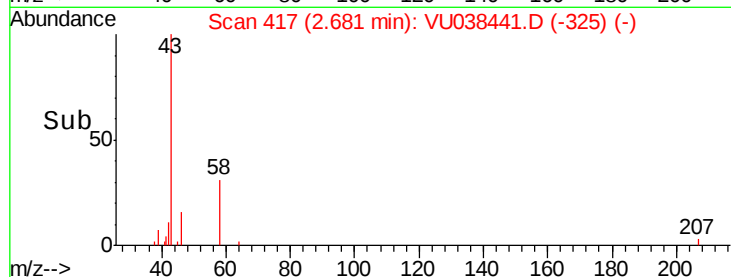
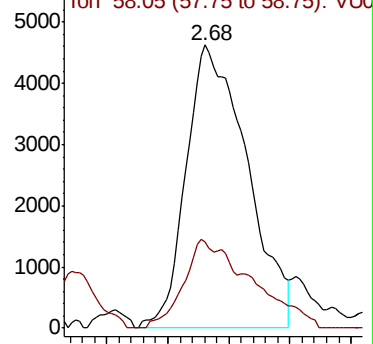
Ion Ratio Lower Upper

43 100

58 34.9 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038441.D (-325) (-)



#15

Methyl Acetate

Concen: 0.242 ug/L

RT: 2.99 min Scan# 513

Delta R.T. 0.00 min

Lab File: VU038441.D

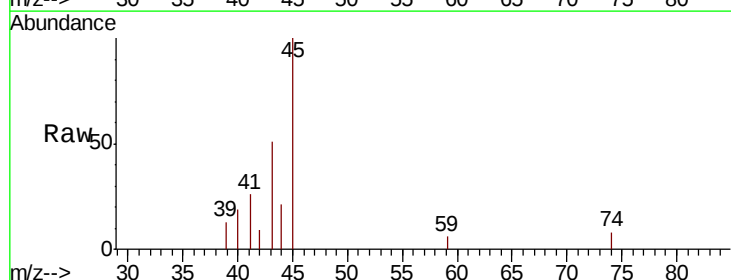
Acq: 31 May 2020 02:47

Tgt Ion: 43 Resp: 2384

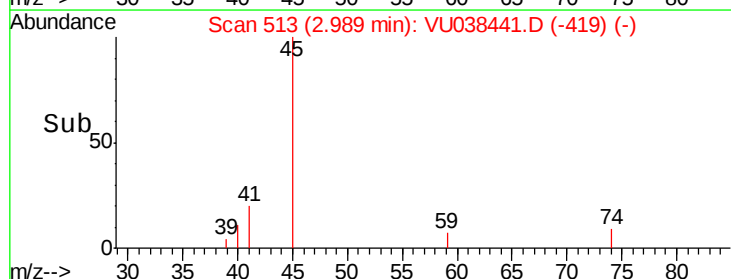
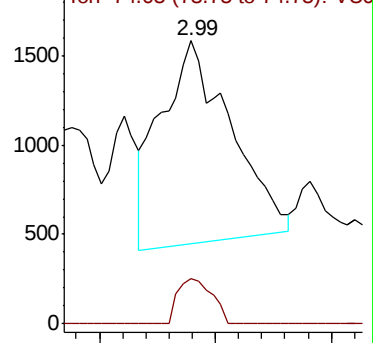
Ion Ratio Lower Upper

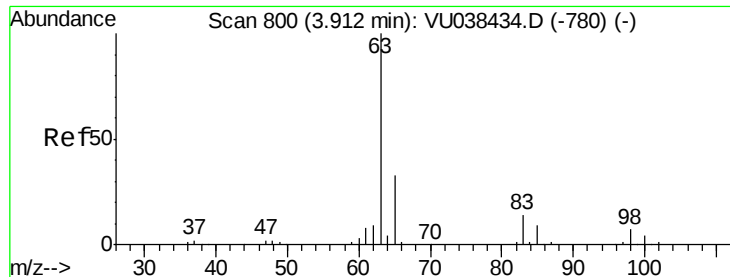
43 100

74 10.9 19.2 28.8#



Abundance Ion 43.05 (42.75 to 43.75): VU038441.D (-419) (-)

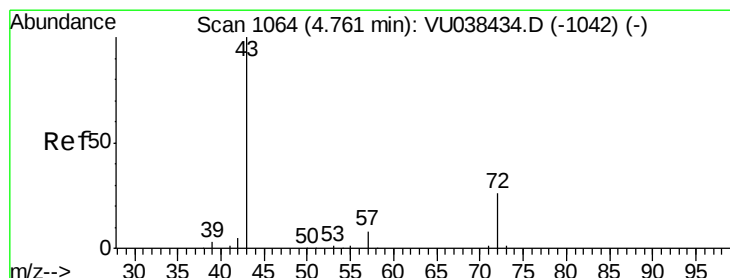
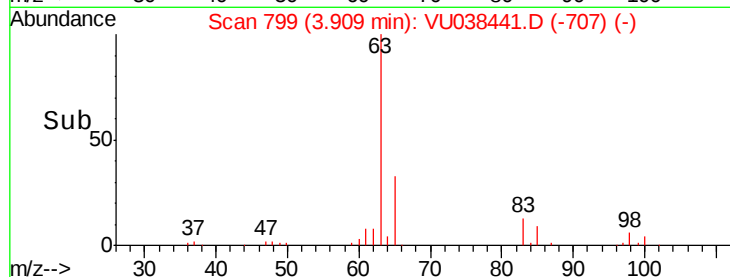
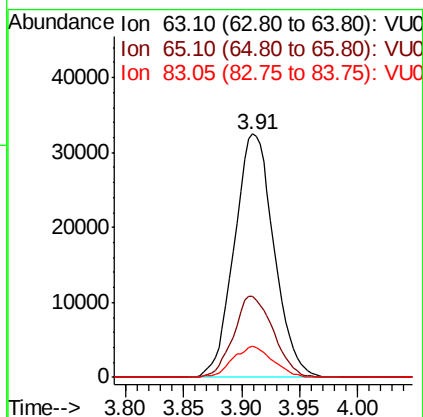
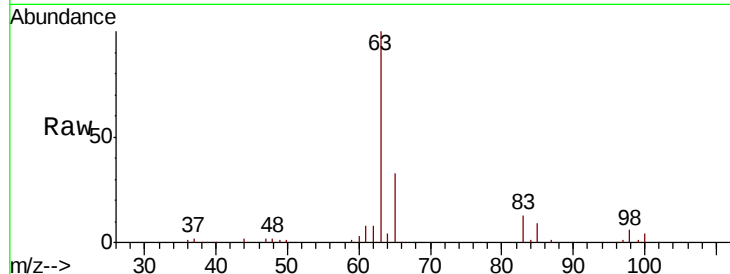




#19
 1,1-Dichloroethane
 Concen: 2.080 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU038441.D
 Acq: 31 May 2020 02:47

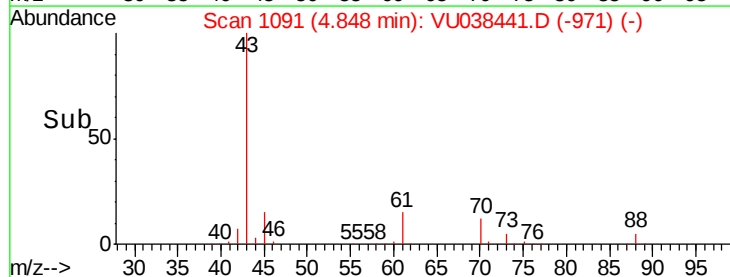
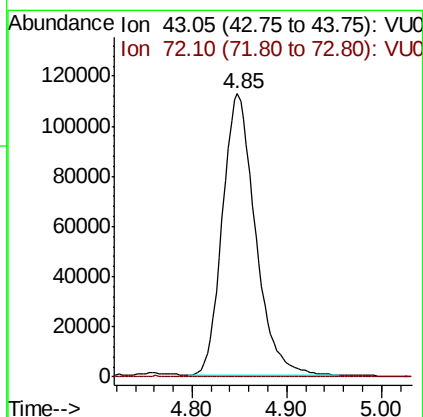
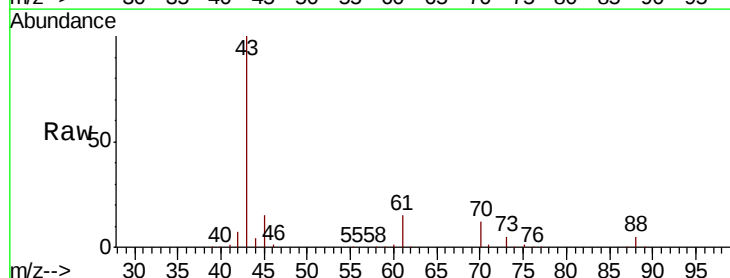
Instrument :
 MSVOA_U
 ClientSampleId :

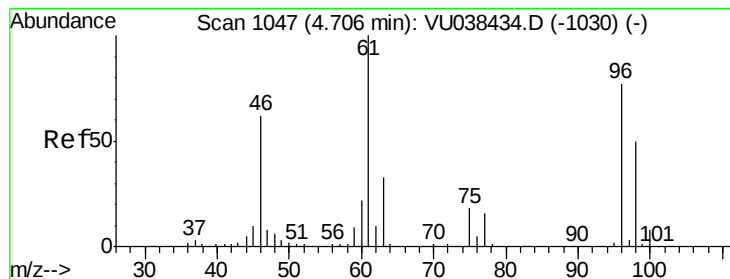
Tot Ion: 63 Resp: 77082
 Ion Ratio Lower Upper
 63 100
 65 33.1 22.3 41.5
 83 12.9 10.4 19.4



#21
 2-Butanone
 Concen: 40.002 ug/L
 RT: 4.85 min Scan# 1091
 Delta R.T. 0.09 min
 Lab File: VU038441.D
 Acq: 31 May 2020 02:47

Tgt Ion: 43 Resp: 270137
 Ion Ratio Lower Upper
 43 100
 72 0.0 12.6 37.8#





#22

cis-1,2-Dichloroethene

Concen: 1.034 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038441.D

Acq: 31 May 2020 02:47

Instrument :

MSVOA_U

ClientSampled :

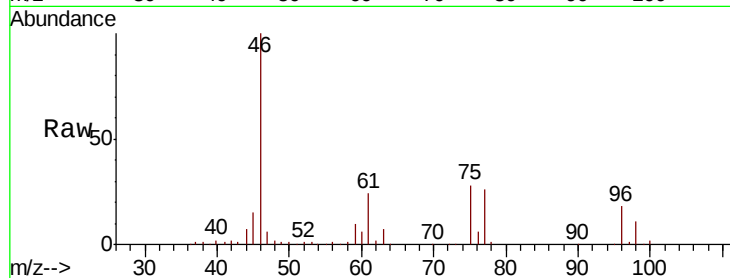
Tot Ion: 96 Resp: 23063

Ion Ratio Lower Upper

96 100

61 132.2 94.0 174.6

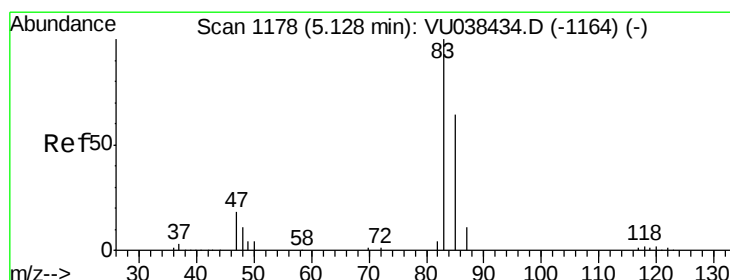
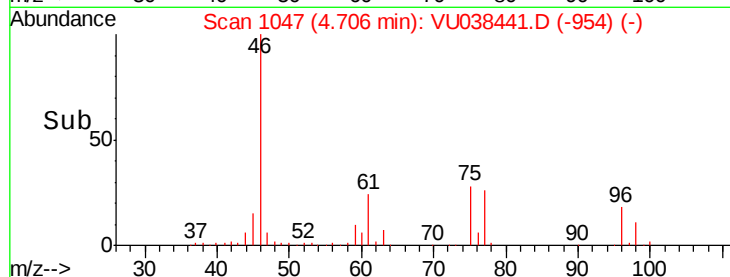
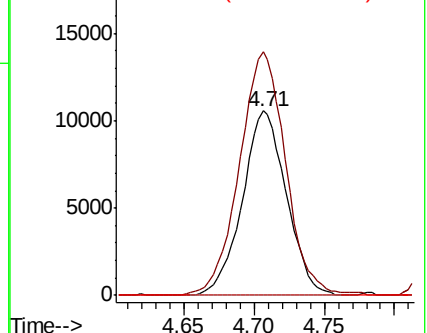
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038441.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU038441.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU038441.D (-954) (-)



#25

Chloroform

Concen: 0.371 ug/L

RT: 5.12 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VU038441.D

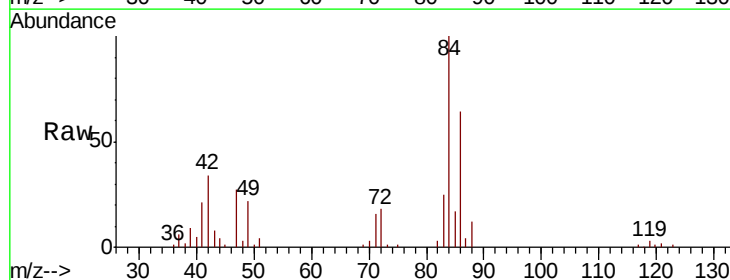
Acq: 31 May 2020 02:47

Tgt Ion: 83 Resp: 13974

Ion Ratio Lower Upper

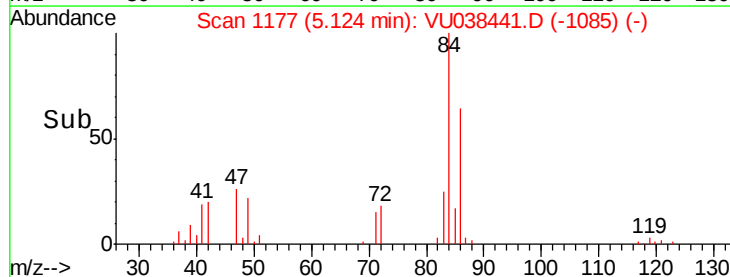
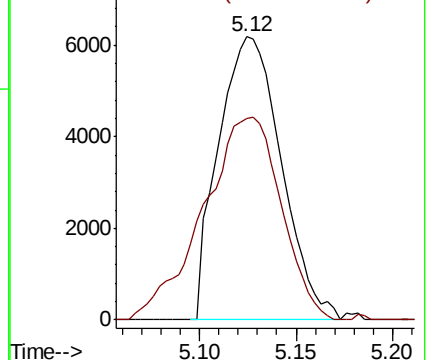
83 100

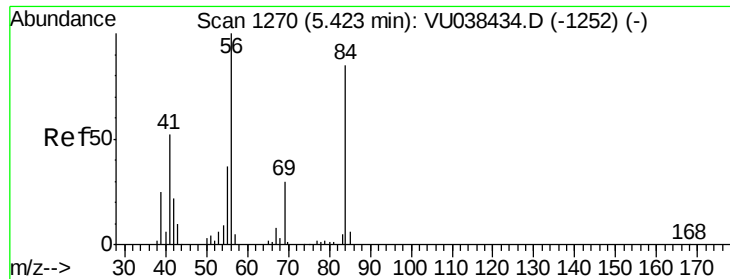
85 71.2 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VU038441.D (-1085) (-)

Ion 85.00 (84.70 to 85.70): VU038441.D (-1085) (-)

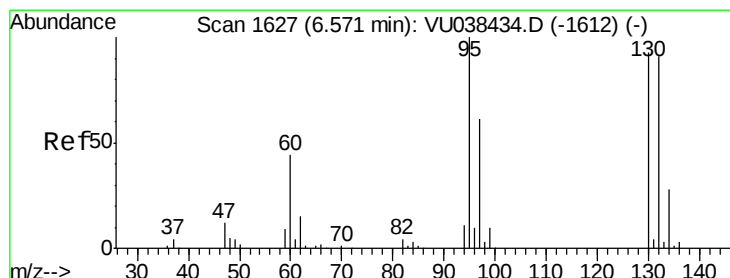
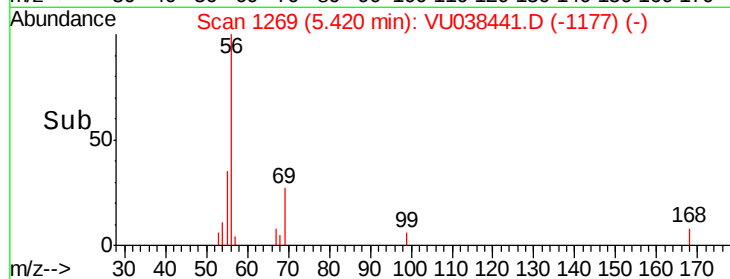
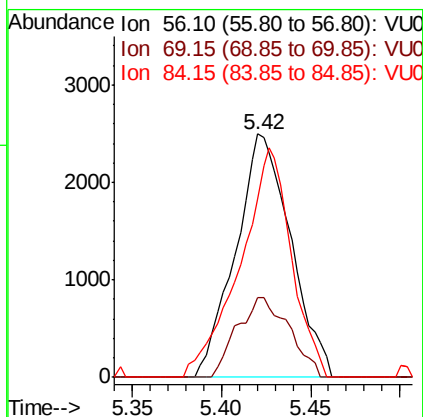
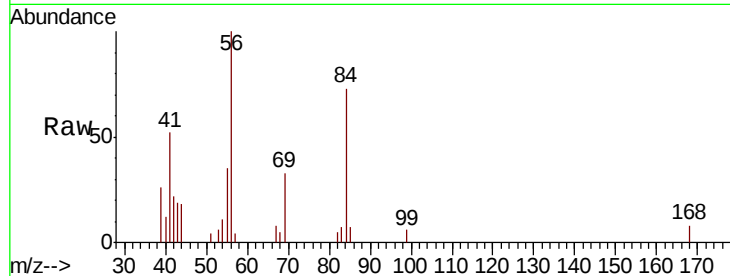




#30
Cyclohexane
Concen: 0.158 ug/L
RT: 5.42 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VU038441.D
Acq: 31 May 2020 02:47

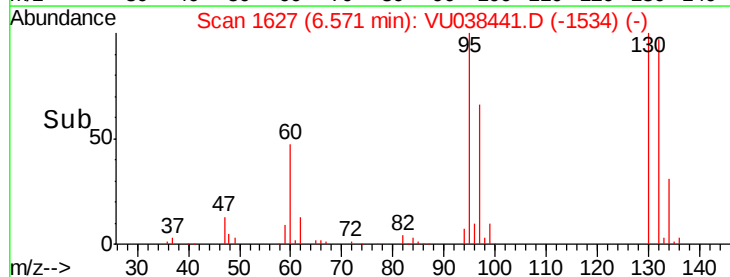
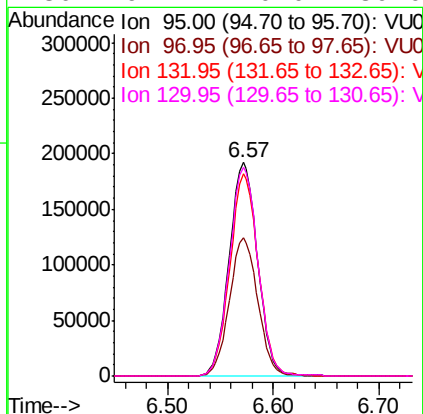
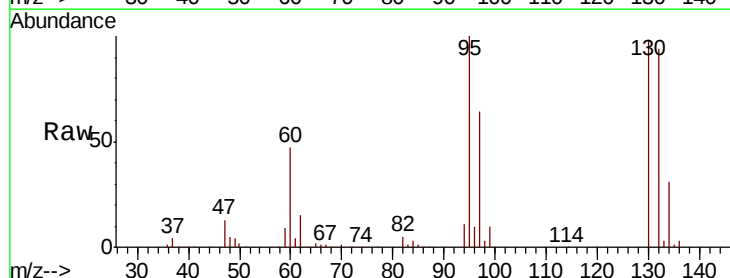
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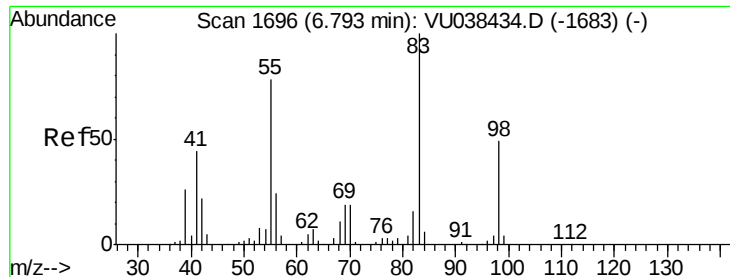
Tot Ion: 56 Resp: 5360
Ion Ratio Lower Upper
56 100
69 31.1 24.2 36.4
84 87.9 70.8 106.2



#34
Trichloroethene
Concen: 16.151 ug/L
RT: 6.57 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VU038441.D
Acq: 31 May 2020 02:47

Tgt Ion: 95 Resp: 358152
Ion Ratio Lower Upper
95 100
97 64.5 46.8 87.0
132 94.4 66.1 122.7
130 97.7 70.0 130.0

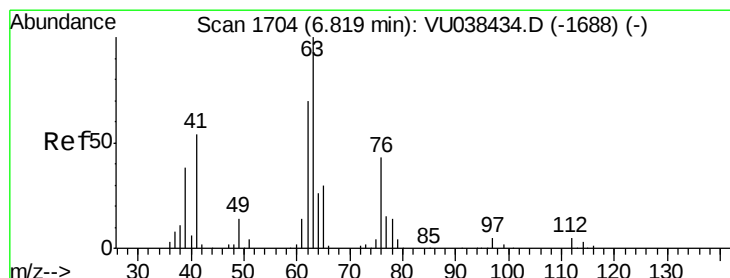
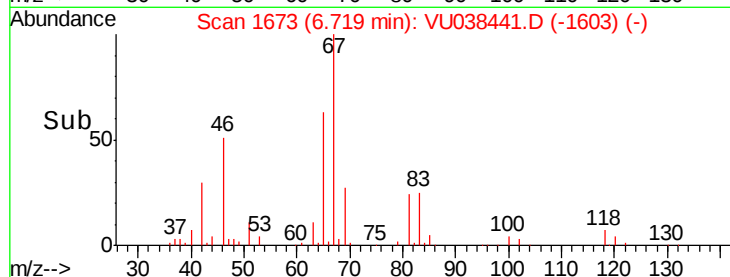
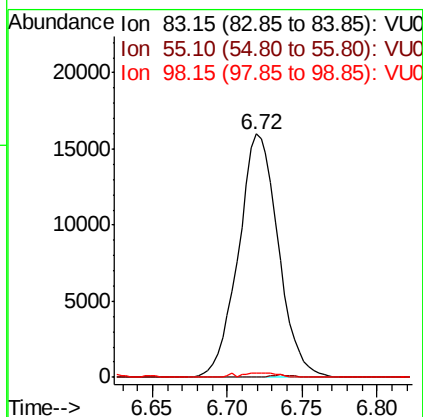
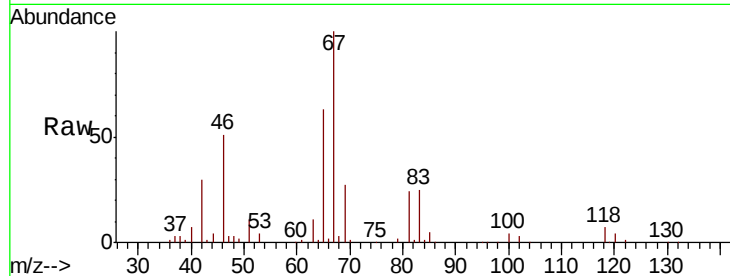




#35
Methvlcvclohexane
Concen: 0.863 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.07 min
Lab File: VU038441.D
Acq: 31 May 2020 02:47

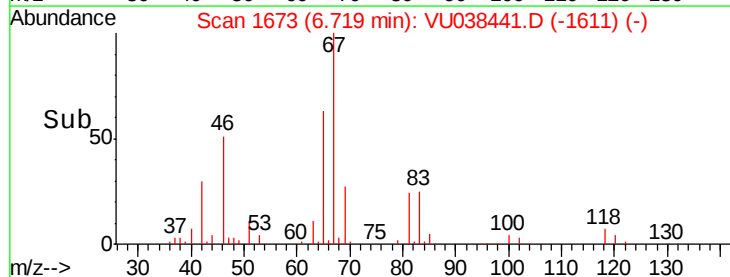
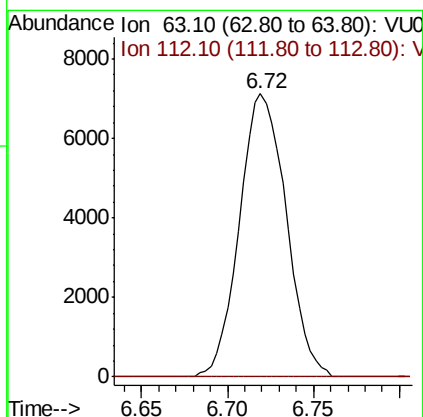
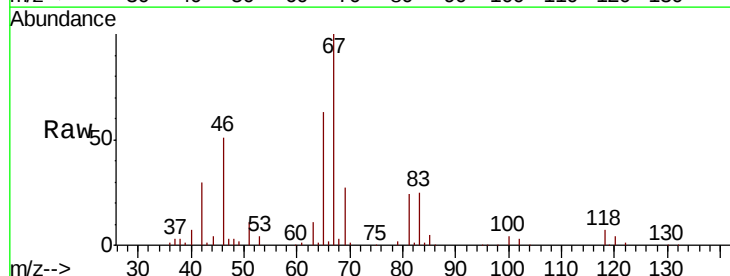
Instrument :
MSVOA_U
ClientSampleId :

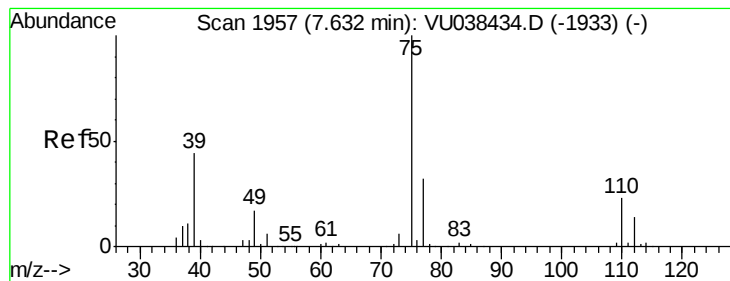
Tot Ion: 83 Resp: 29643
Ion Ratio Lower Upper
83 100
55 0.5 63.4 95.2#
98 1.5 39.0 58.4#



#37
1,2-Dichloropropane
Concen: 0.625 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.10 min
Lab File: VU038441.D
Acq: 31 May 2020 02:47

Tgt Ion: 63 Resp: 13441
Ion Ratio Lower Upper
63 100
112 0.0 3.7 5.5#



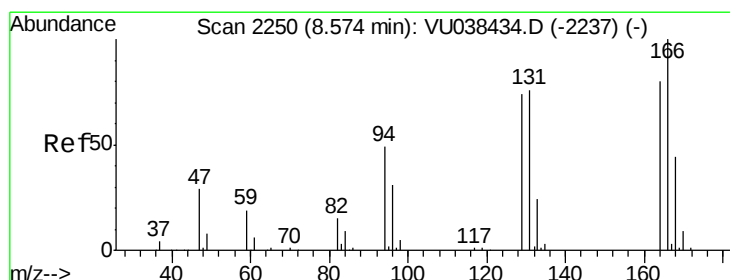
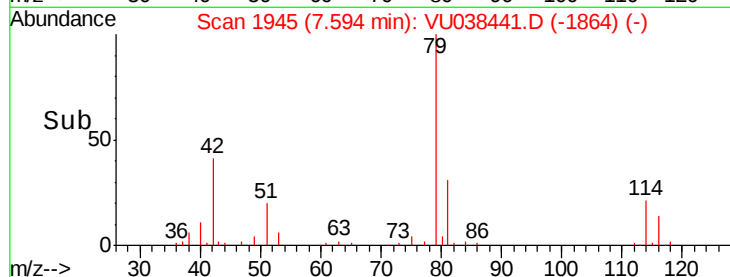
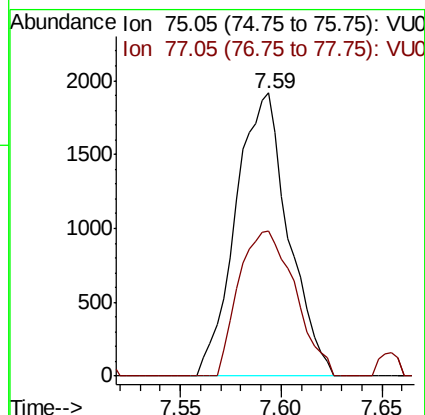
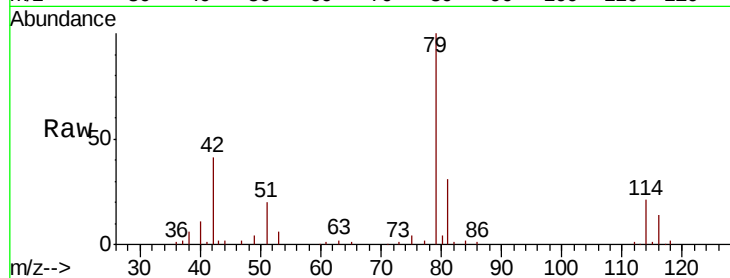


#39

cis-1,3-Dichloropropene
Concen: 0.110 ug/L
RT: 7.59 min Scan# 1945
Delta R.T. -0.04 min
Lab File: VU038441.D
Acq: 31 May 2020 02:47

Instrument :
MSVOA_U
ClientSampleId :

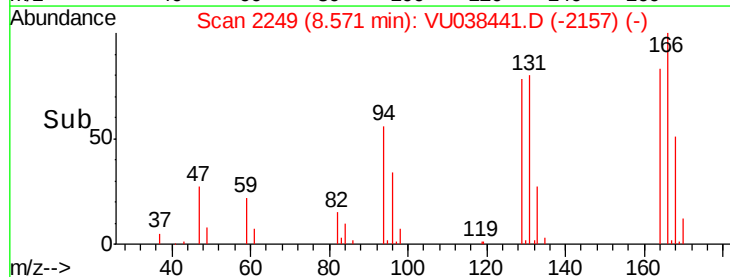
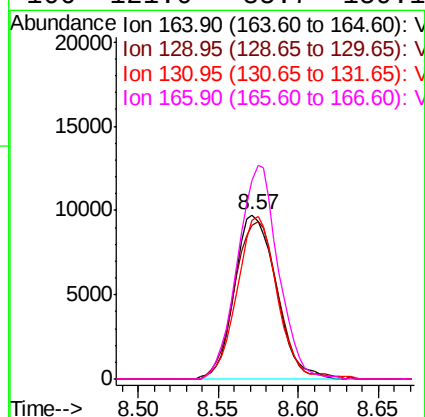
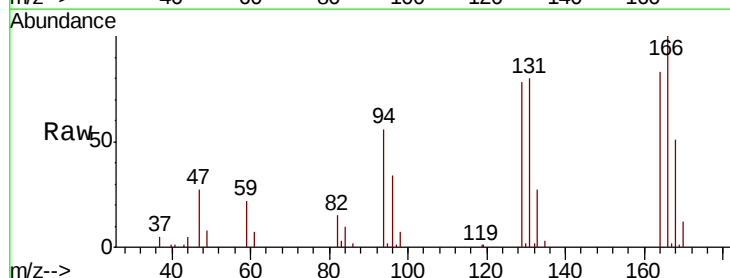
Tot Ion: 75 Resp: 3505
Ion Ratio Lower Upper
75 100
77 51.5 21.9 40.7#

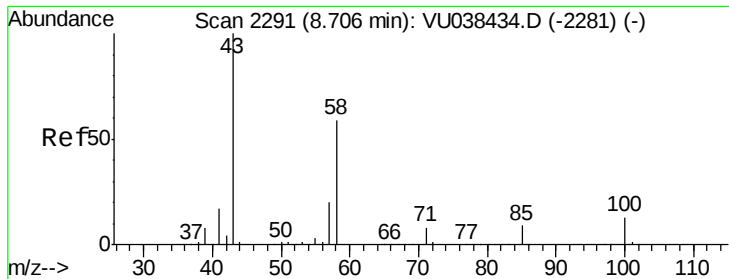


#47

Tetrachloroethene
Concen: 1.077 ug/L
RT: 8.57 min Scan# 2249
Delta R.T. -0.00 min
Lab File: VU038441.D
Acq: 31 May 2020 02:47

Tgt Ion:164 Resp: 17351
Ion Ratio Lower Upper
164 100
129 93.8 67.4 125.2
131 96.9 64.1 119.1
166 121.0 85.7 159.1

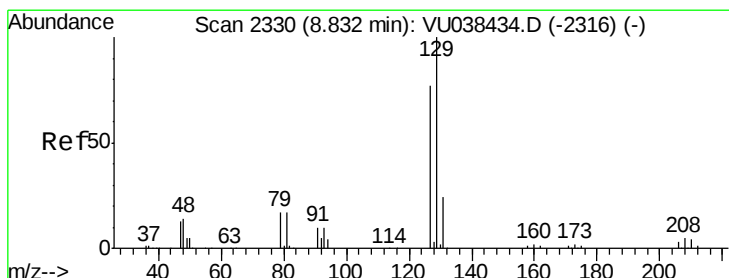
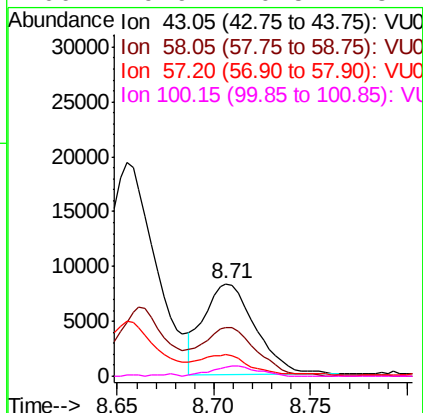
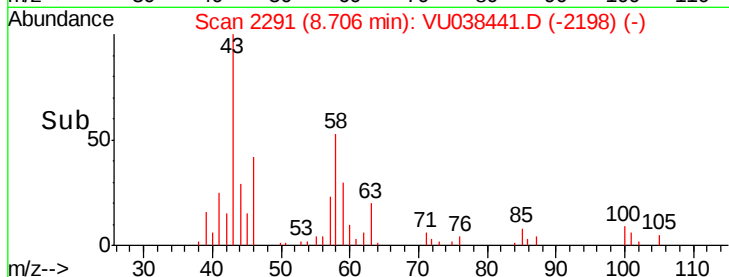
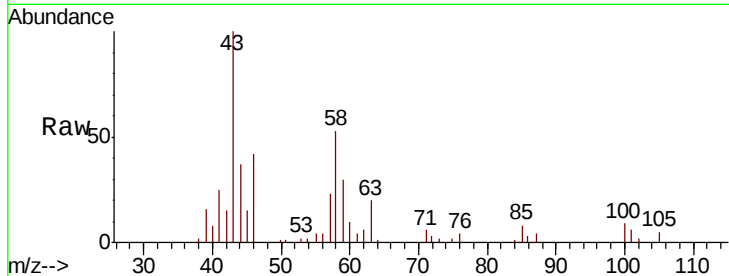




#48
2-Hexanone
Concen: 1.318 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU038441.D
Acq: 31 May 2020 02:47

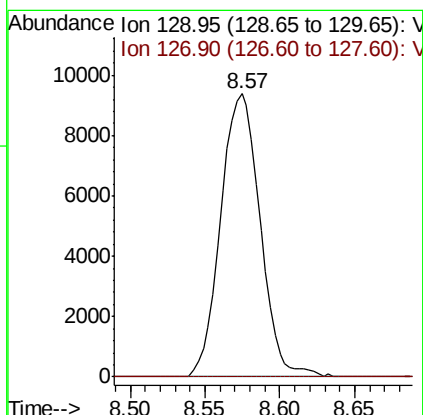
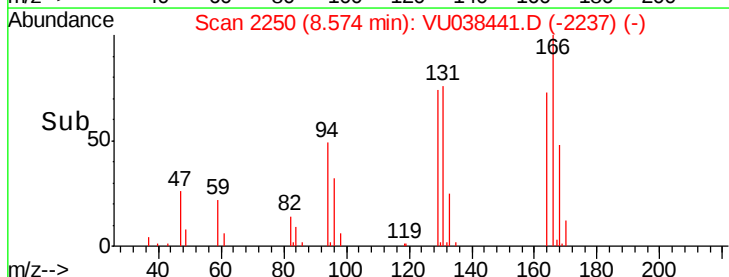
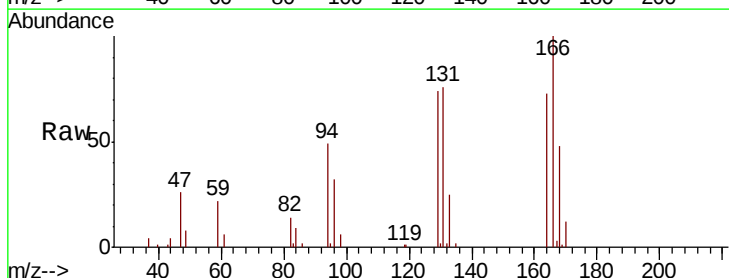
Instrument :
MSVOA_U
ClientSampleId :

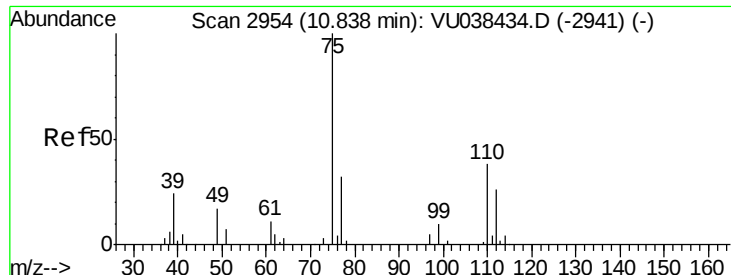
Tot Ion: 43 Resp: 15343
Ion Ratio Lower Upper
43 100
58 56.3 45.4 68.0
57 18.9 15.9 23.9
100 9.9 10.5 15.7#



#49
Dibromochloromethane
Concen: 0.985 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.26 min
Lab File: VU038441.D
Acq: 31 May 2020 02:47

Tgt Ion: 129 Resp: 17253
Ion Ratio Lower Upper
129 100
127 0.0 53.3 99.1#





#59

1,2,3-Trichloropropane

Concen: 1.192 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU038441.D

Acq: 31 May 2020 02:47

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 19127

Ion Ratio Lower Upper

75 100

77 37.3 25.4 38.2

