

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053120\
 Data File : VU038448.D
 Acq On : 31 May 2020 05:28
 Operator : JC/MD
 Sample : L2788-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 01 06:31:11 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	309507	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	305588	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	144694	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	98045	4.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.00%
7) Chloroethane-d5	1.93	69	82191	5.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.80%
11) 1,1-Dichloroethene-d2	2.59	63	152091	3.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.20%
20) 2-Butanone-d5	4.69	46	390930	64.24	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	128.48%
24) Chloroform-d	5.10	84	205227	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.00%
26) 1,2-Dichloroethane-d4	5.74	65	124020	5.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.20%
32) Benzene-d6	5.76	84	409310	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.40%
36) 1,2-Dichloropropane-d6	6.72	67	125484	5.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.00%
41) Toluene-d8	7.92	98	342247	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
43) trans-1,3-Dichloropropene-	8.20	79	49837	4.94	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.80%
46) 2-Hexanone-d5	8.66	63	329136	66.06	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	132.12%#
57) 1,1,2,2-Tetrachloroethane-	10.77	84	114606	5.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	115.00%
64) 1,2-Dichlorobenzene-d4	12.20	152	139934	5.61	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	3113	0.166	ug/L #	71
12) 1,1-Dichloroethene	2.59	96	1385	0.073	ug/L #	1
13) Acetone	2.70	43	4726	1.187	ug/L	62
19) 1,1-Dichloroethane	3.91	63	7801	0.212	ug/L	93
22) cis-1,2-Dichloroethene	4.71	96	4269	0.193	ug/L	90
25) Chloroform	5.12	83	20770	0.556	ug/L	99
34) Trichloroethene	6.57	95	18499	0.836	ug/L	96
35) Methylcyclohexane	6.72	83	30931	0.903	ug/L #	18
37) 1,2-Dichloropropane	6.72	63	14240	0.664	ug/L #	86
39) cis-1,3-Dichloropropene	7.59	75	3196	0.101	ug/L #	41
45) 1,1,2-Trichloroethane	8.57	97	1909	0.118	ug/L #	1
47) Tetrachloroethene	8.57	164	213436	13.282	ug/L	98
48) 2-Hexanone	8.71	43	15945	1.373	ug/L #	90
49) Dibromochloromethane	8.57	129	201934	11.564	ug/L #	11
59) 1,2,3-Trichloropropane	11.82	75	18365	1.147	ug/L	91

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Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jun 01 06:31:11 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

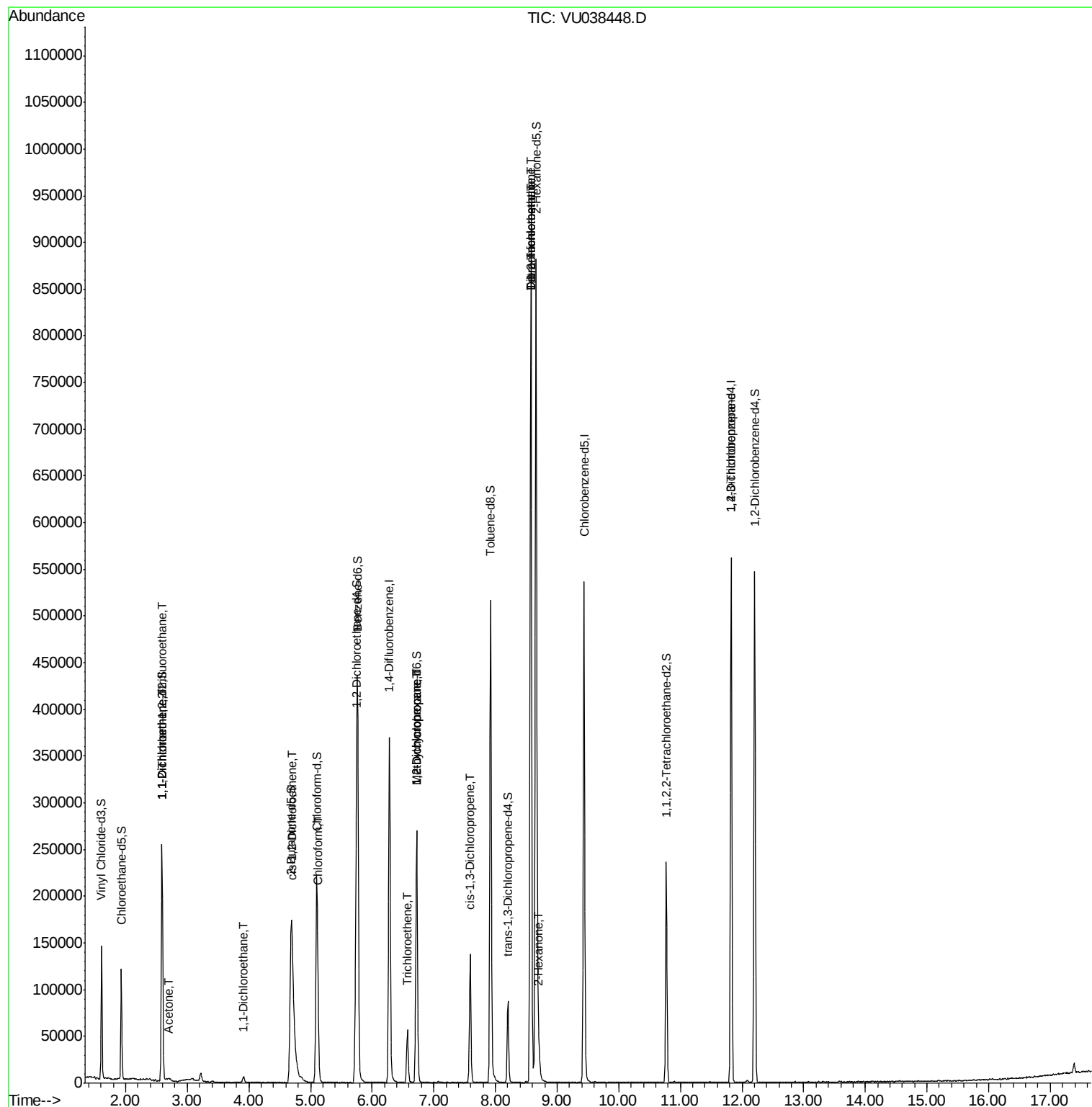
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

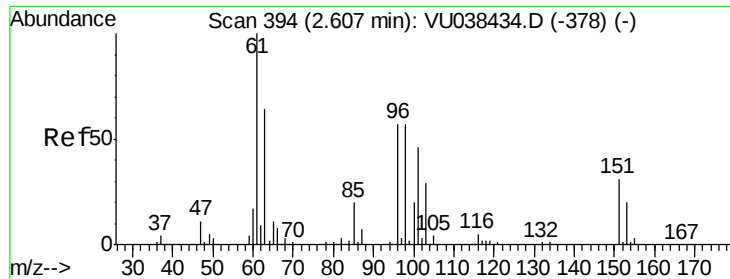
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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Response via : Initial Calibration





#10

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

Concen: 0.166 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU038448.D

Acq: 31 May 2020 05:28

Instrument :

MSVOA_U

ClientSampleId :

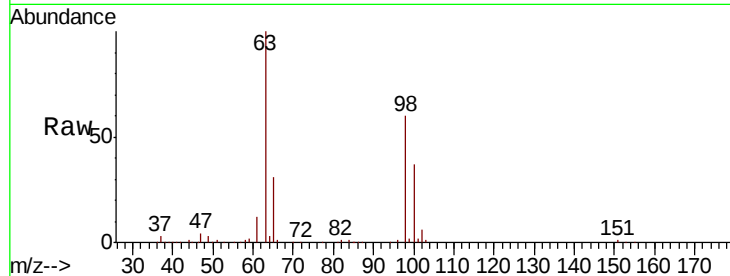
Tot Ion:101 Resp: 3113

Ion Ratio Lower Upper

101 100

85 15.3 34.0 51.0#

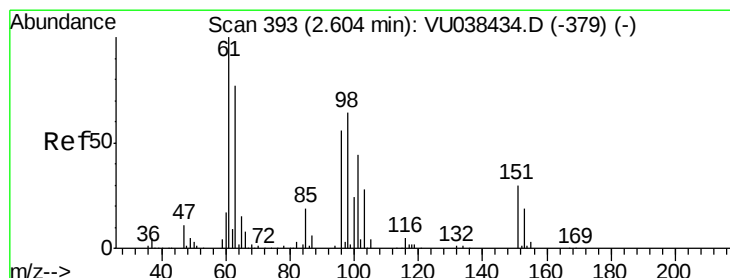
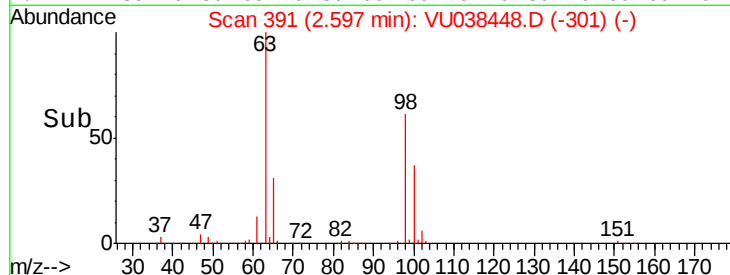
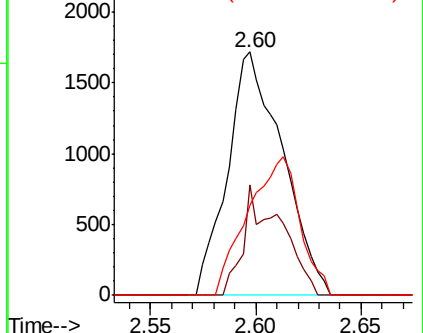
151 53.7 56.9 85.3#



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: 0.073 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.02 min

Lab File: VU038448.D

Acq: 31 May 2020 05:28

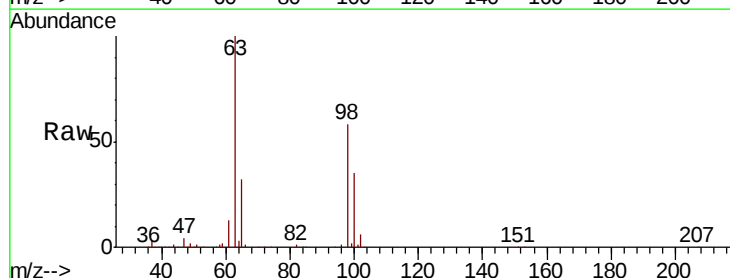
Tgt Ion: 96 Resp: 1385

Ion Ratio Lower Upper

96 100

61 1452.8 119.9 222.7#

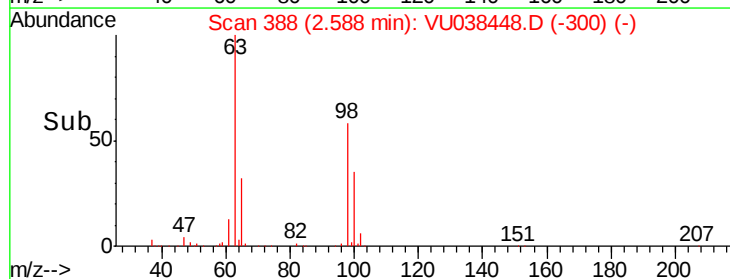
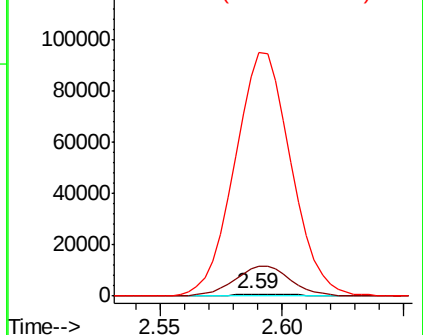
63 11521.9 89.9 167.0#

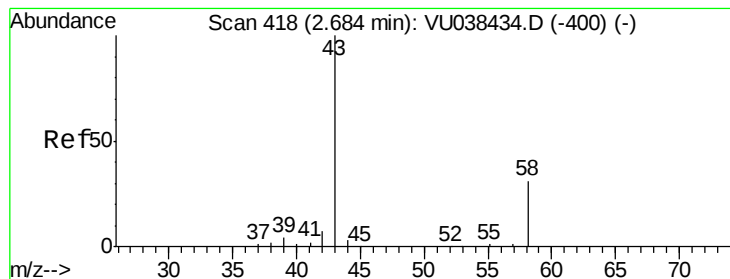


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.187 ug/L

RT: 2.70 min Scan# 424

Delta R.T. 0.02 min

Lab File: VU038448.D

Acq: 31 May 2020 05:28

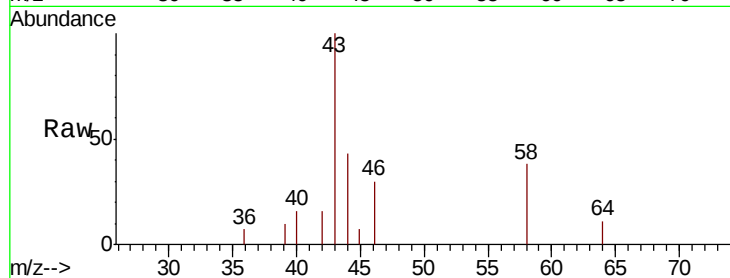
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 4726

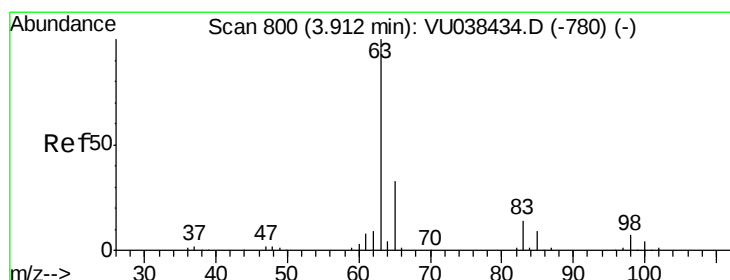
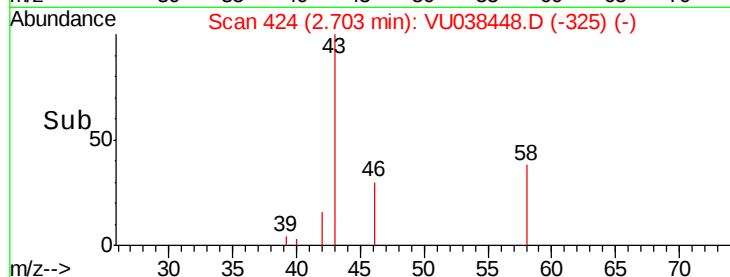
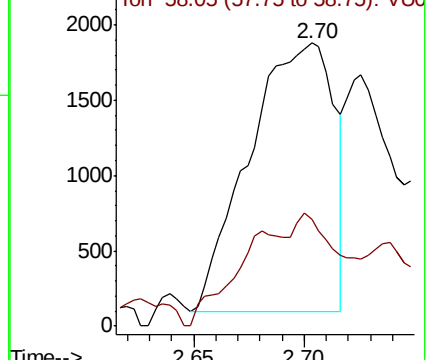
Ion Ratio Lower Upper

43 100

58 11.2 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038434.D (-400) (-)



#19

1,1-Dichloroethane

Concen: 0.212 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU038448.D

Acq: 31 May 2020 05:28

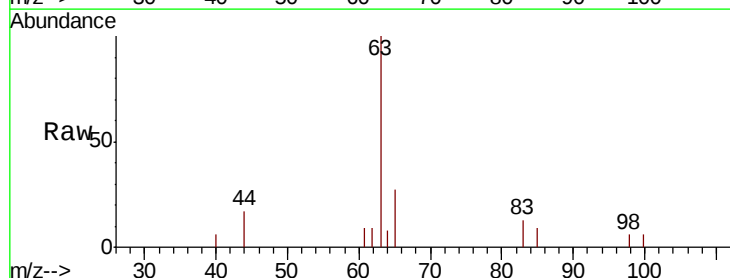
Tgt Ion: 63 Resp: 7801

Ion Ratio Lower Upper

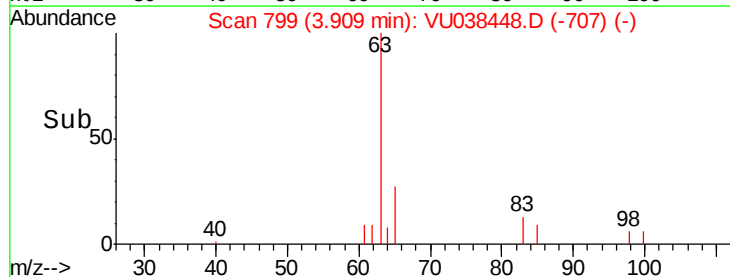
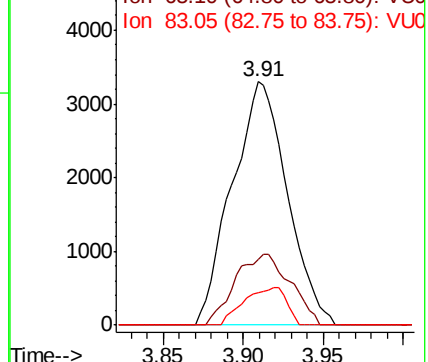
63 100

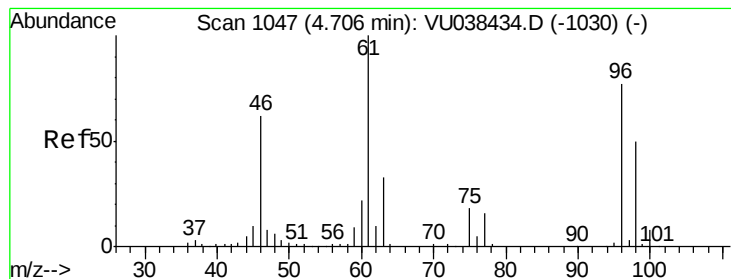
65 27.0 22.3 41.5

83 13.3 10.4 19.4



Abundance Ion 63.10 (62.80 to 63.80): VU038434.D (-780) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.193 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038448.D

Acq: 31 May 2020 05:28

Instrument :
MSVOA_U
ClientSampled :

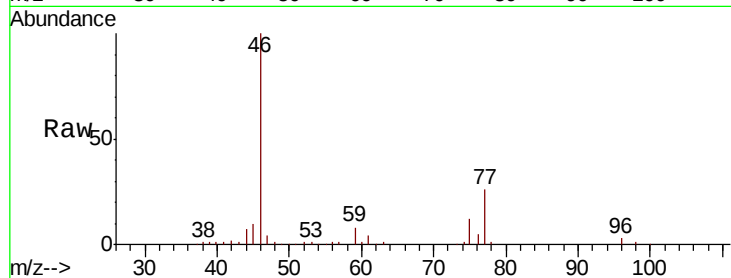
Tot Ion: 96 Resp: 4269

Ion Ratio Lower Upper

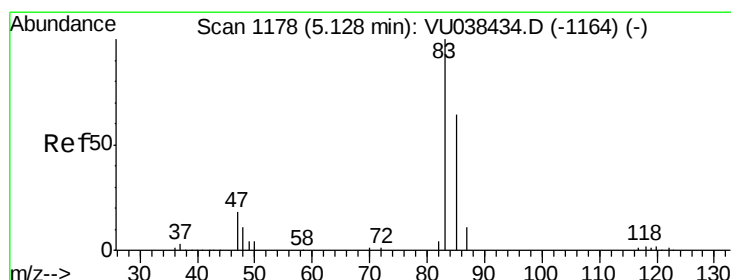
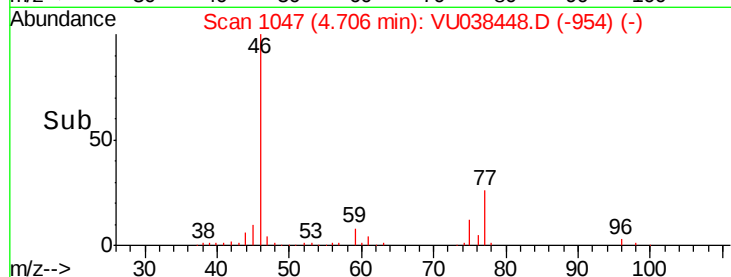
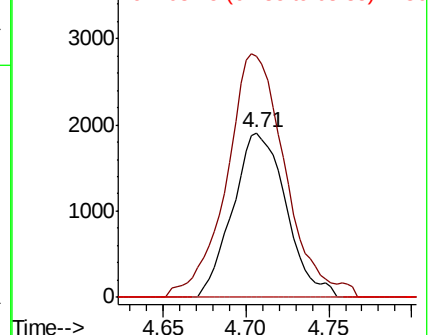
96 100

61 146.5 94.0 174.6

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: 0.556 ug/L

RT: 5.12 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VU038448.D

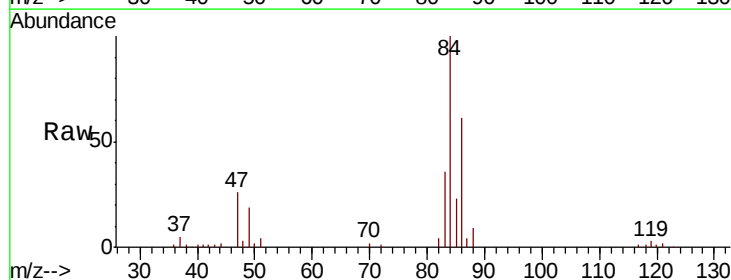
Acq: 31 May 2020 05:28

Tgt Ion: 83 Resp: 20770

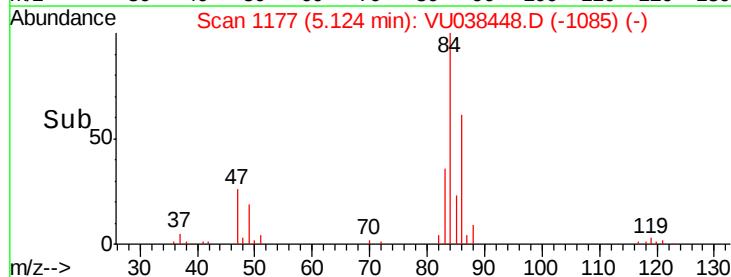
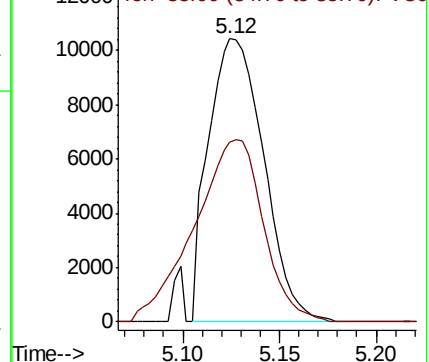
Ion Ratio Lower Upper

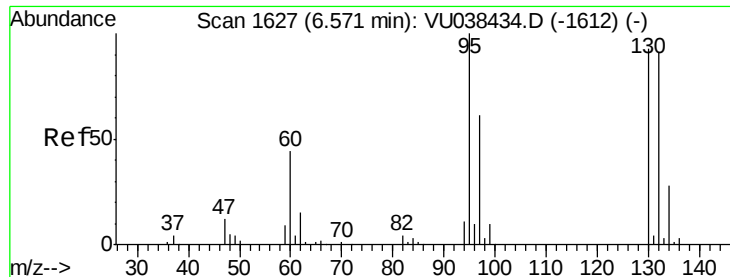
83 100

85 63.6 44.9 83.5



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

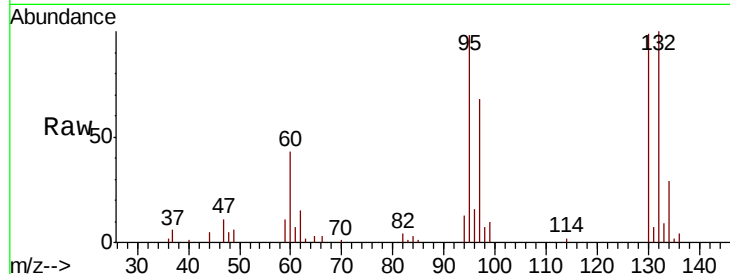




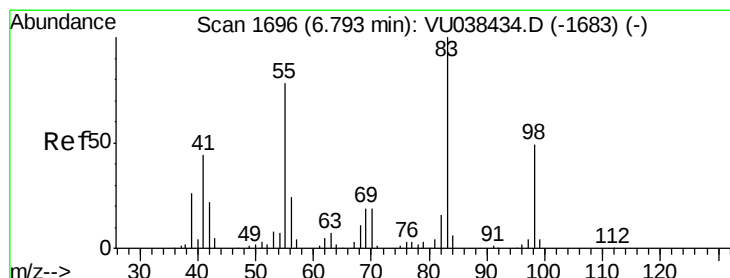
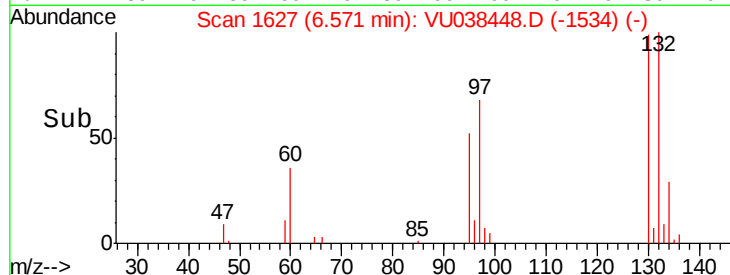
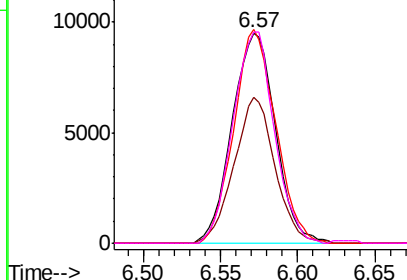
#34
 Trichloroethene
 Concen: 0.836 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038448.D
 Acq: 31 May 2020 05:28

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 95 Resp: 18499
 Ion Ratio Lower Upper
 95 100
 97 69.5 46.8 87.0
 132 101.6 66.1 122.7
 130 100.7 70.0 130.0

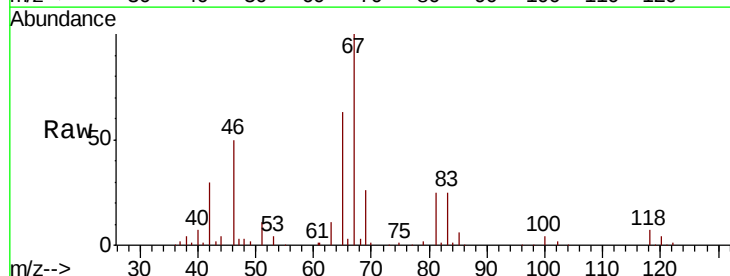


Abundance Ion 95.00 (94.70 to 95.70): VU0
 15000 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

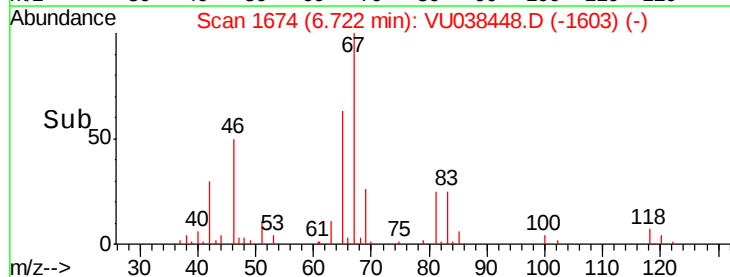
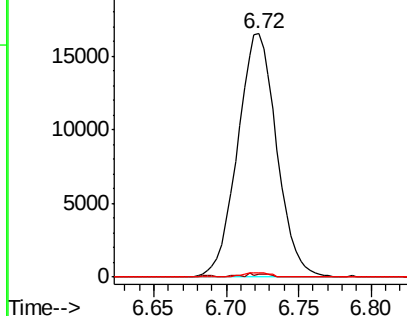


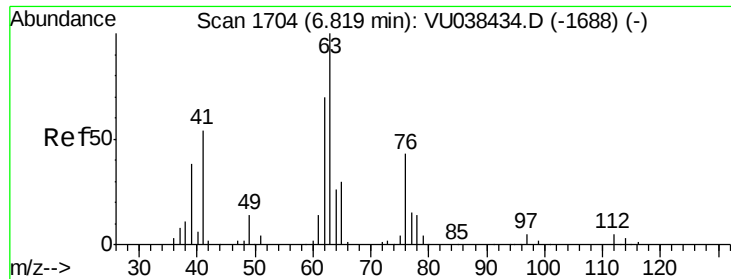
#35
 Methylcyclohexane
 Concen: 0.903 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.07 min
 Lab File: VU038448.D
 Acq: 31 May 2020 05:28

Tgt Ion: 83 Resp: 30931
 Ion Ratio Lower Upper
 83 100
 55 0.4 63.4 95.2#
 98 1.3 39.0 58.4#



Abundance Ion 83.15 (82.85 to 83.85): VU0
 20000 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

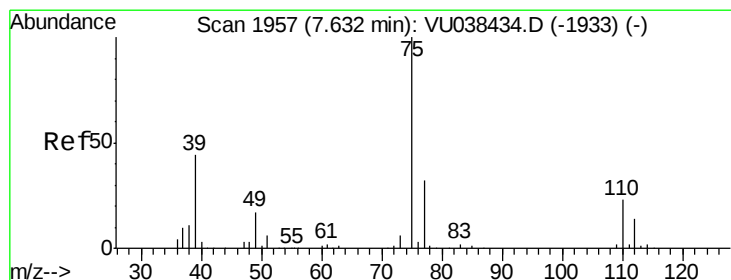
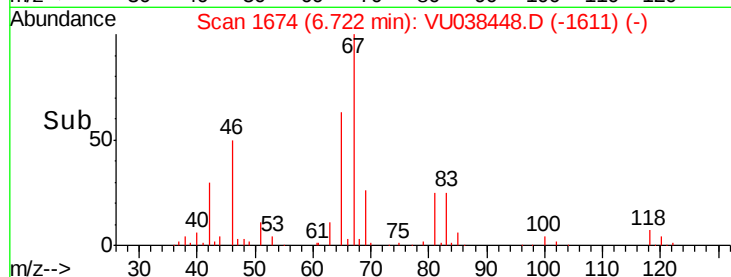
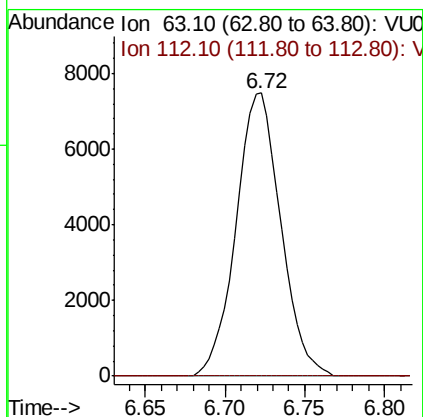
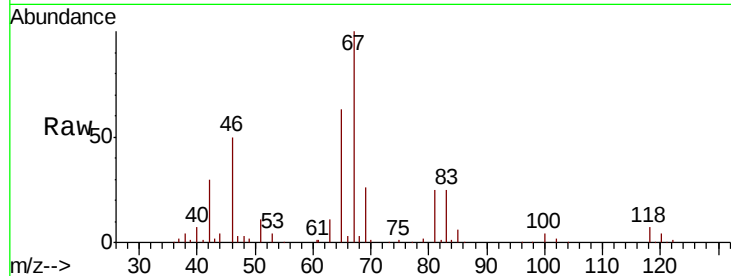




#37
 1,2-Dichloropropane
 Concen: 0.664 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU038448.D
 Acq: 31 May 2020 05:28

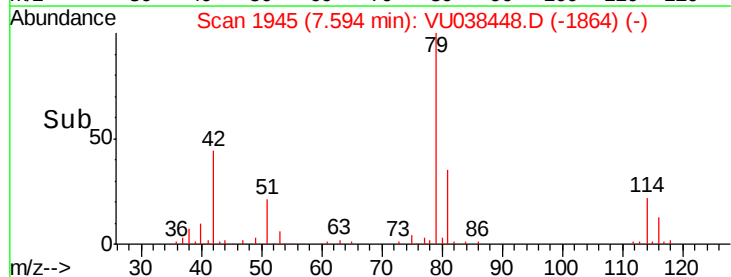
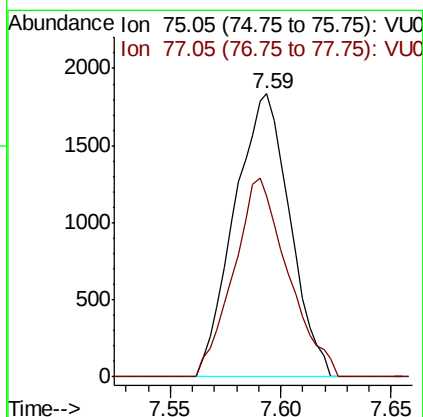
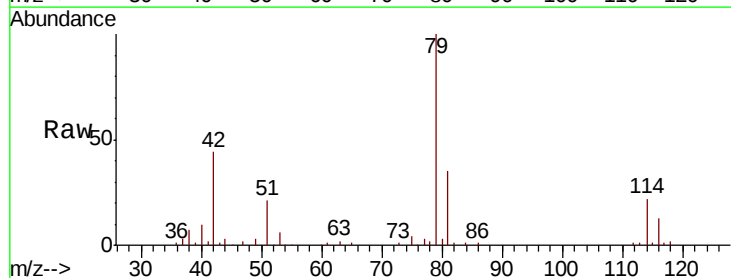
Instrument :
 MSVOA_U
 ClientSampleId :

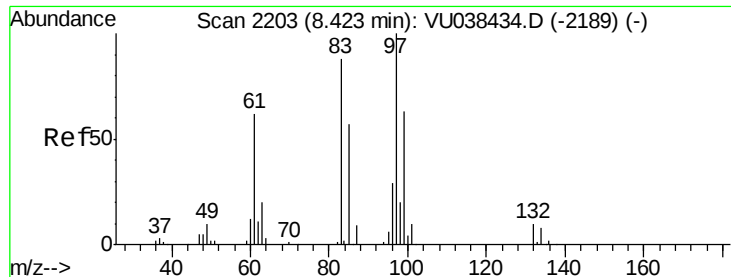
Tot Ion: 63 Resp: 14240
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#



#39
 cis-1,3-Dichloropropene
 Concen: 0.101 ug/L
 RT: 7.59 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: VU038448.D
 Acq: 31 May 2020 05:28

Tgt Ion: 75 Resp: 3196
 Ion Ratio Lower Upper
 75 100
 77 63.7 21.9 40.7#

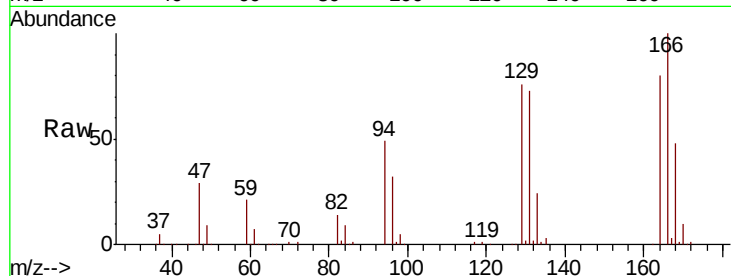




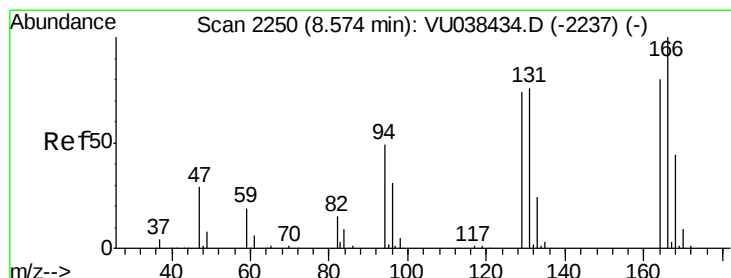
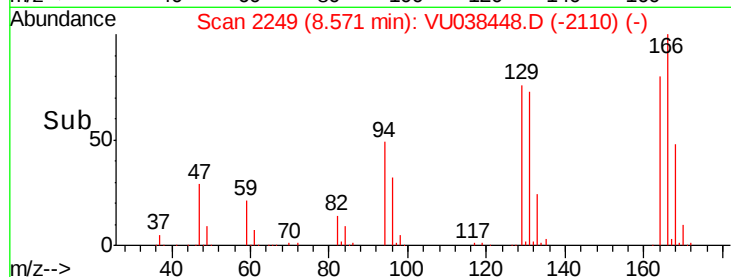
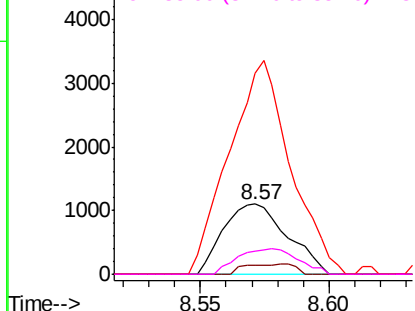
#45
 1,1,2-Trichloroethane
 Concen: 0.118 ug/L
 RT: 8.57 min Scan# 2249
 Delta R.T. 0.15 min
 Lab File: VU038448.D
 Acq: 31 May 2020 05:28

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 97 Resp: 1909
 Ion Ratio Lower Upper
 97 100
 99 12.0 42.1 78.1#
 83 285.6 58.8 109.2#
 85 33.2 37.4 69.4#

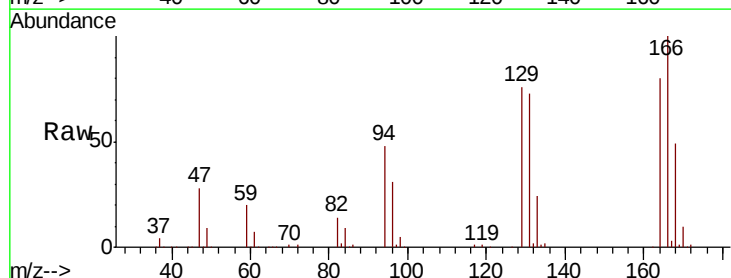


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

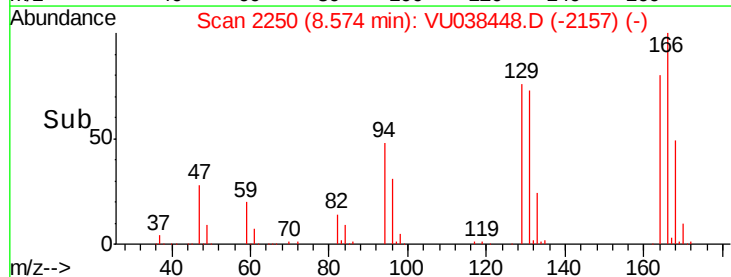
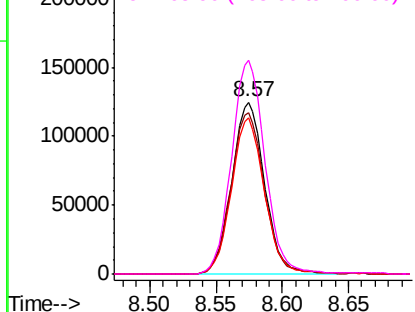


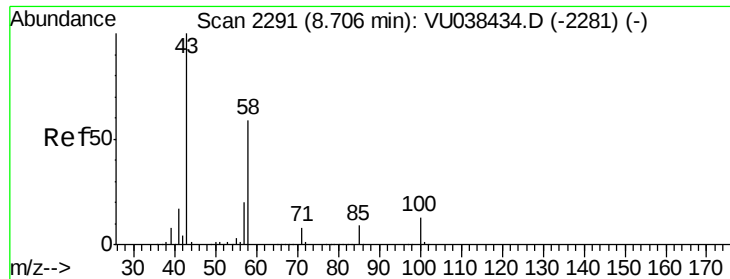
#47
 Tetrachloroethene
 Concen: 13.282 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU038448.D
 Acq: 31 May 2020 05:28

Tgt Ion: 164 Resp: 213436
 Ion Ratio Lower Upper
 164 100
 129 94.1 67.4 125.2
 131 90.7 64.1 119.1
 166 124.5 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

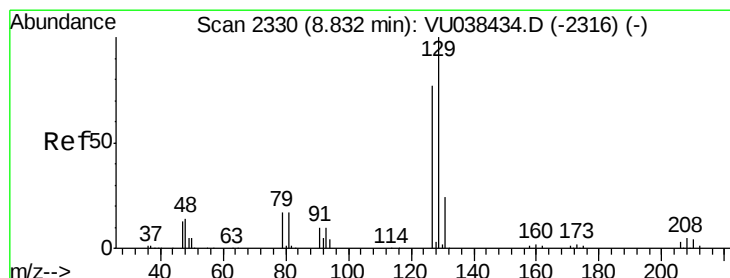
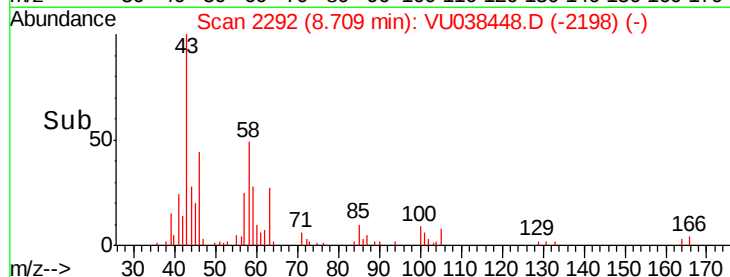
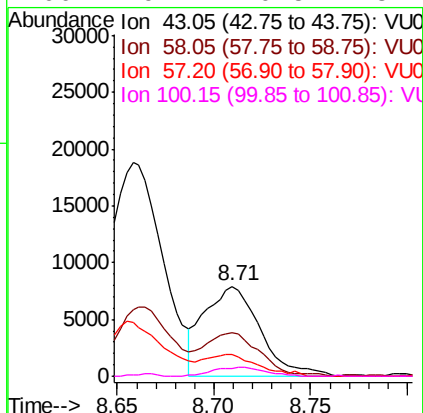
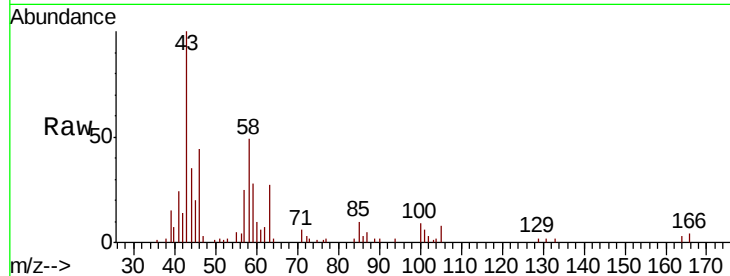




#48
2-Hexanone
Concen: 1.373 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU038448.D
Acq: 31 May 2020 05:28

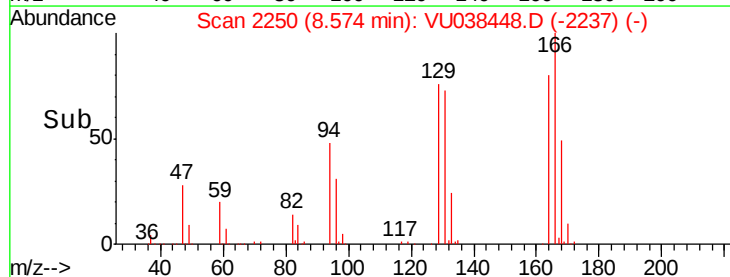
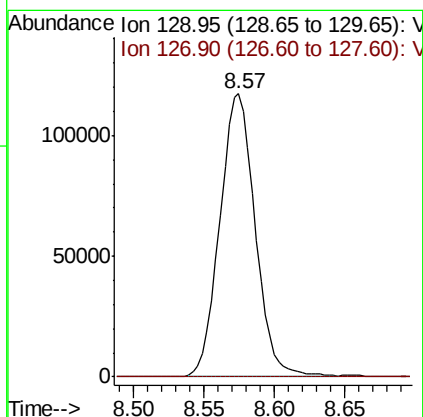
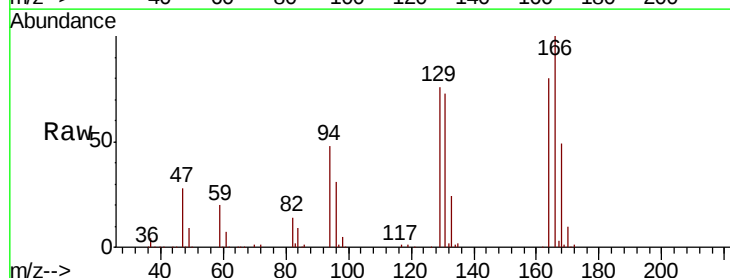
Instrument :
MSVOA_U
ClientSampleId :

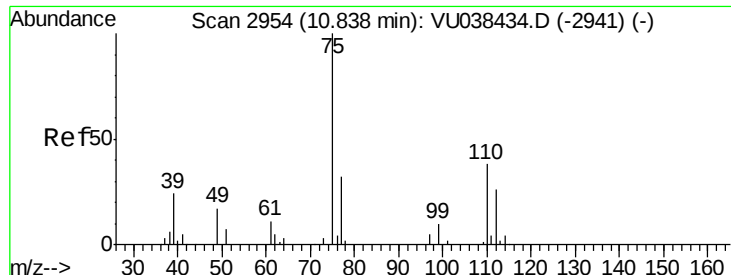
Tot Ion: 43 Resp: 15945
Ion Ratio Lower Upper
43 100
58 48.1 45.4 68.0
57 22.8 15.9 23.9
100 9.4 10.5 15.7#



#49
Dibromochloromethane
Concen: 11.564 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.26 min
Lab File: VU038448.D
Acq: 31 May 2020 05:28

Tgt Ion: 129 Resp: 201934
Ion Ratio Lower Upper
129 100
127 0.0 53.3 99.1#





#59

1,2,3-Trichloropropane

Concen: 1.147 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU038448.D

Acq: 31 May 2020 05:28

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 18365

Ion Ratio Lower Upper

75 100

77 37.0 25.4 38.2

