

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053120\
 Data File : VU038438.D
 Acq On : 31 May 2020 01:38
 Operator : JC/MD
 Sample : L2787-15
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 01 06:29:41 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	315628	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	303584	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	149838	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	99146	4.85	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.00%
7) Chloroethane-d5	1.93	69	82365	5.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.00%
11) 1,1-Dichloroethene-d2	2.59	63	147239	3.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.20%
20) 2-Butanone-d5	4.68	46	358966	57.85	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.70%
24) Chloroform-d	5.10	84	197185	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
26) 1,2-Dichloroethane-d4	5.74	65	116826	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.20%
32) Benzene-d6	5.76	84	399192	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.40%
36) 1,2-Dichloropropane-d6	6.72	67	125250	5.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.40%
41) Toluene-d8	7.92	98	340788	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
43) trans-1,3-Dichloropropene-	8.20	79	48989	4.89	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.80%
46) 2-Hexanone-d5	8.65	63	306025	61.83	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	123.66%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	108360	5.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.60%
64) 1,2-Dichlorobenzene-d4	12.20	152	137979	5.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	6466	0.338	ug/L #	82
12) 1,1-Dichloroethene	2.60	96	3053	0.157	ug/L #	1
13) Acetone	2.68	43	28610	7.045	ug/L	77
19) 1,1-Dichloroethane	3.91	63	129929	3.466	ug/L	99
21) 2-Butanone	4.85	43	192273	28.148	ug/L #	50
22) cis-1,2-Dichloroethene	4.71	96	21415	0.949	ug/L	95
25) Chloroform	5.13	83	23549	0.618	ug/L	96
30) Cyclohexane	5.42	56	3225	0.096	ug/L	87
34) Trichloroethene	6.57	95	82735	3.765	ug/L	97
35) Methylcyclohexane	6.72	83	29595	0.870	ug/L #	18
37) 1,2-Dichloropropane	6.72	63	14084	0.661	ug/L #	86
39) cis-1,3-Dichloropropene	7.59	75	3713	0.118	ug/L #	47
47) Tetrachloroethene	8.57	164	12465	0.781	ug/L	98
48) 2-Hexanone	8.71	43	14838	1.286	ug/L #	96
49) Dibromochloromethane	8.57	129	11853	0.683	ug/L #	11
59) 1,2,3-Trichloropropane	11.83	75	19332	1.216	ug/L #	86

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Response via : Initial Calibration

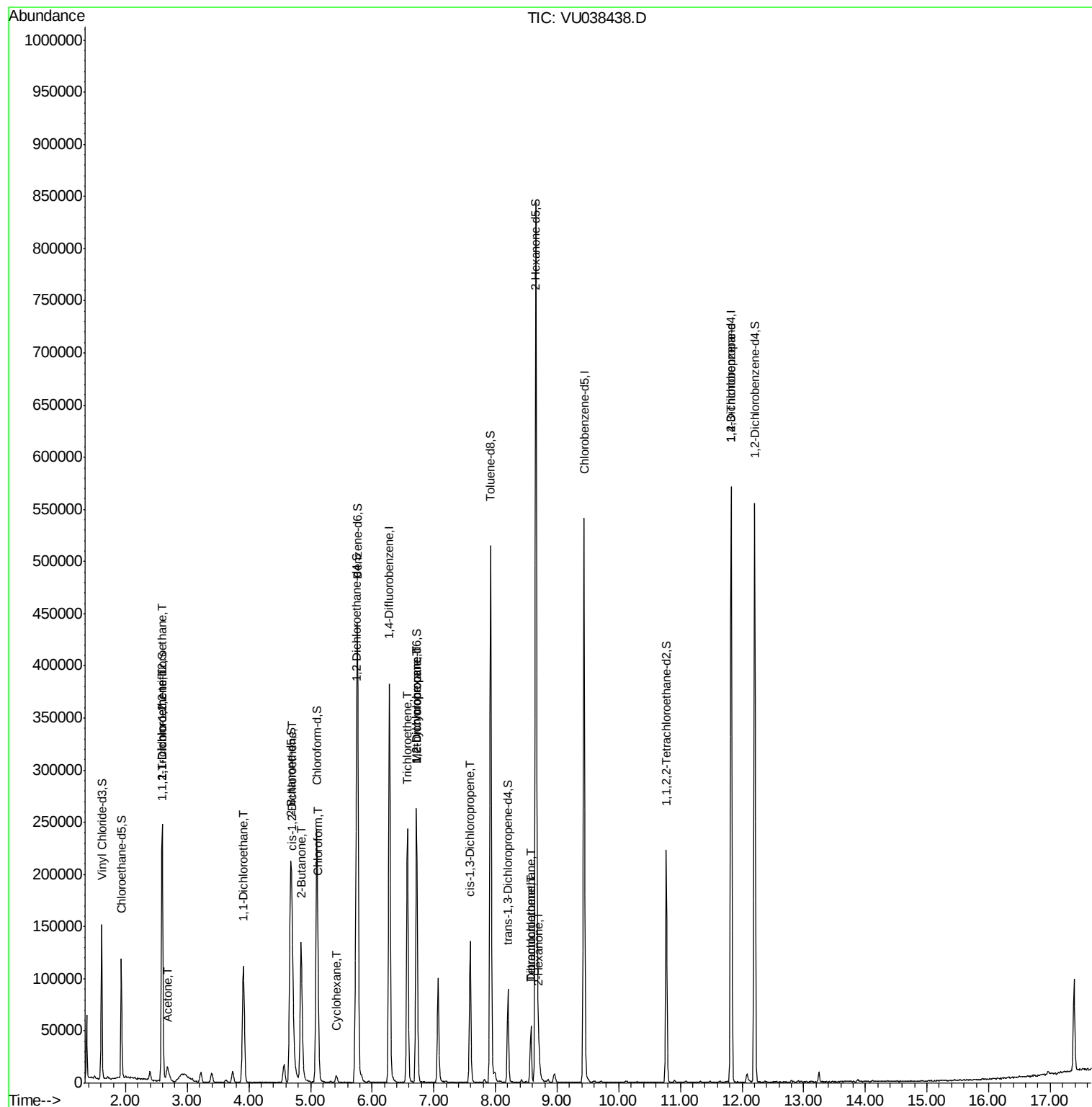
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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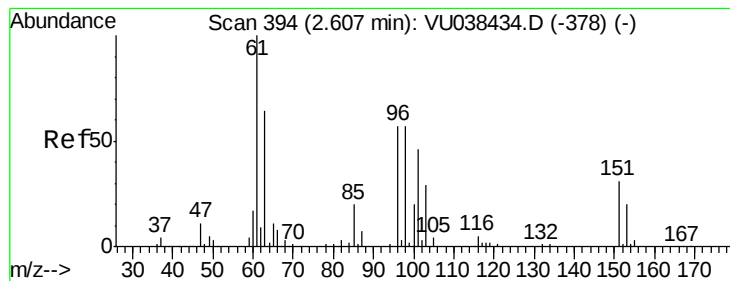
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.338 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038438.D

Acq: 31 May 2020 01:38

Instrument :

MSVOA_U

ClientSampleId :

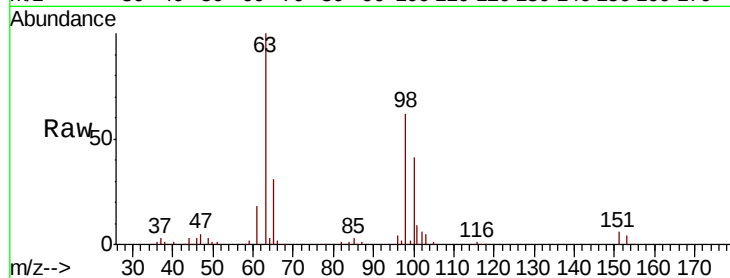
Tot Ion:101 Resp: 6466

Ion Ratio Lower Upper

101 100

85 32.2 34.0 51.0#

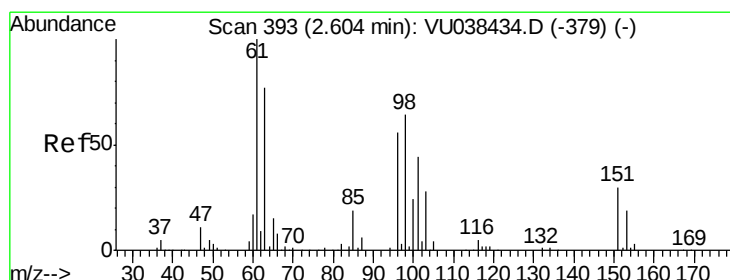
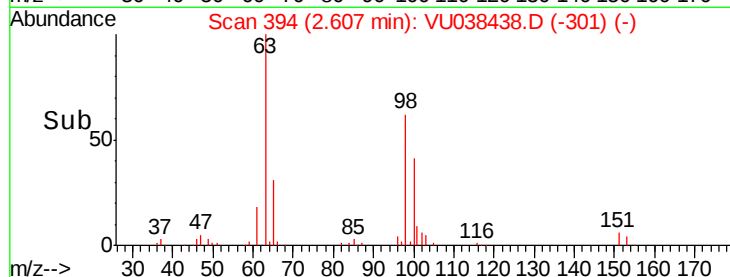
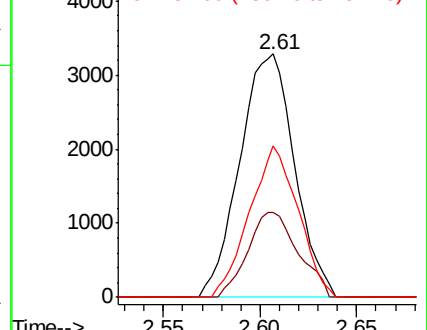
151 55.3 56.9 85.3#



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: 0.157 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU038438.D

Acq: 31 May 2020 01:38

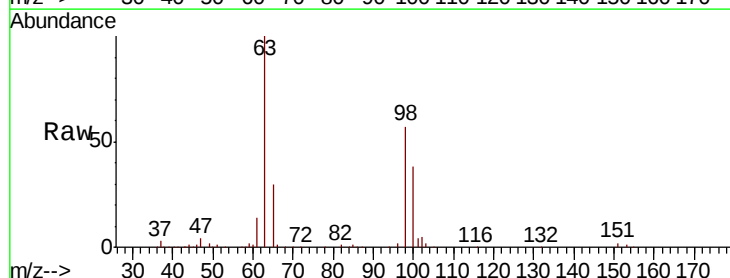
Tgt Ion: 96 Resp: 3053

Ion Ratio Lower Upper

96 100

61 704.4 119.9 222.7#

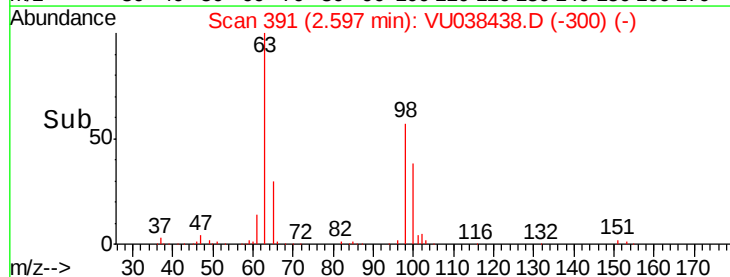
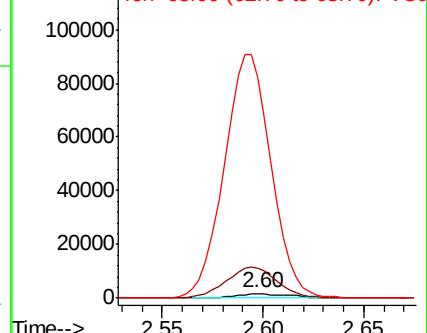
63 5108.8 89.9 167.0#

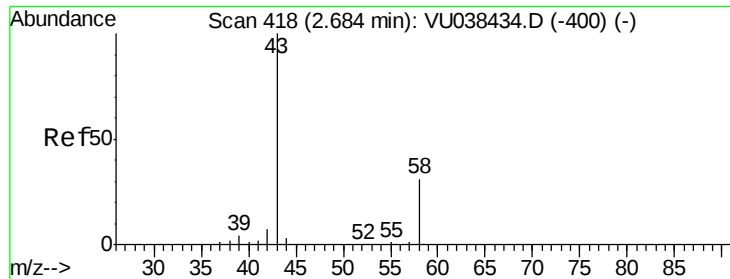


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 7.045 ug/L

RT: 2.68 min Scan# 417

Delta R.T. -0.00 min

Lab File: VU038438.D

Acq: 31 May 2020 01:38

Instrument :

MSVOA_U

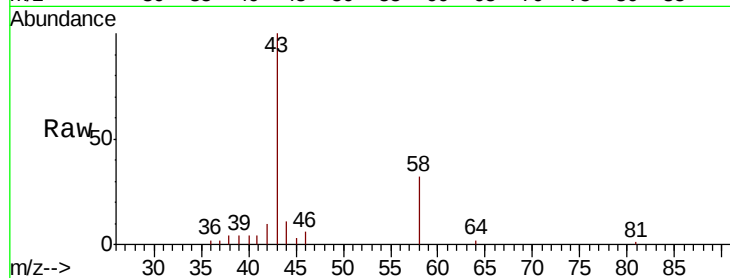
ClientSampleId :

Tot Ion: 43 Resp: 28610

Ion Ratio Lower Upper

43 100

58 19.6 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038438.D (-325) (-)

Ion 58.05 (57.75 to 58.75): VU038438.D (-325) (-)

2.68

8000

6000

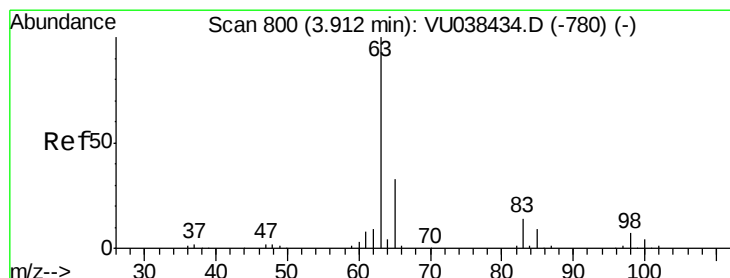
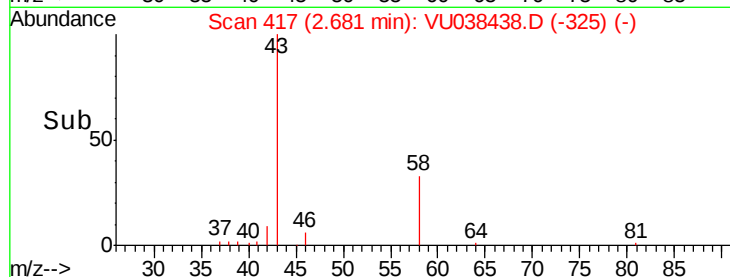
4000

2000

0

Time-->

2.60 2.70 2.80



#19

1,1-Dichloroethane

Concen: 3.466 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU038438.D

Acq: 31 May 2020 01:38

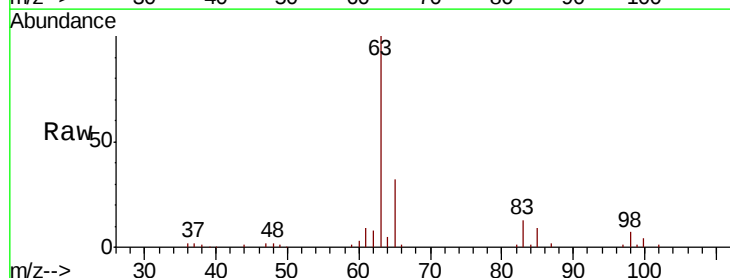
Tgt Ion: 63 Resp: 129929

Ion Ratio Lower Upper

63 100

65 31.9 22.3 41.5

83 13.4 10.4 19.4



Abundance Ion 63.10 (62.80 to 63.80): VU038438.D (-707) (-)

Ion 65.10 (64.80 to 65.80): VU038438.D (-707) (-)

Ion 83.05 (82.75 to 83.75): VU038438.D (-707) (-)

3.91

60000

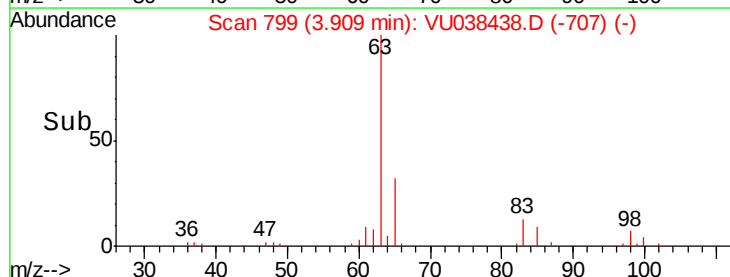
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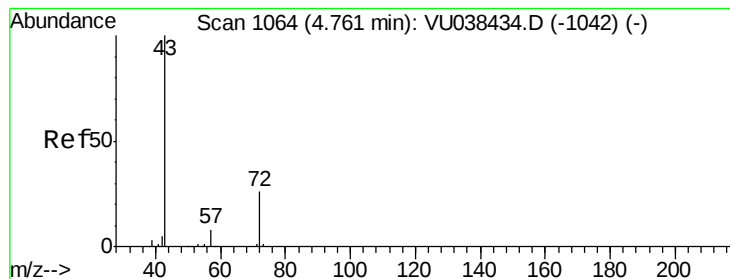
20000

0

Time-->

3.80 3.85 3.90 3.95 4.00





#21

2-Butanone

Concen: 28.148 ug/L

RT: 4.85 min Scan# 1091

Delta R.T. 0.09 min

Lab File: VU038438.D

Acq: 31 May 2020 01:38

Instrument :

MSVOA_U

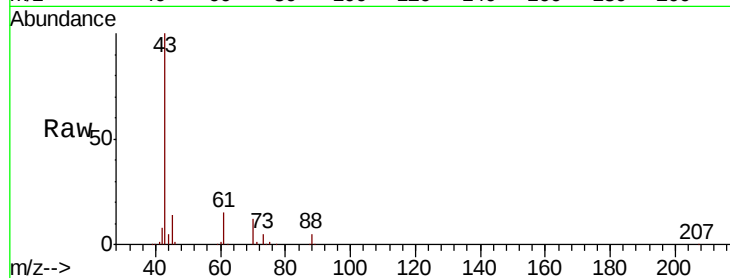
ClientSampleId :

Tot Ion: 43 Resp: 192273

Ion Ratio Lower Upper

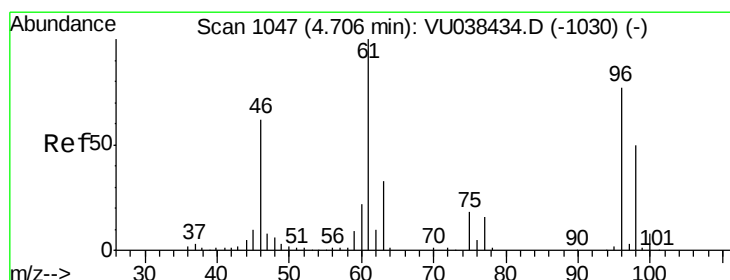
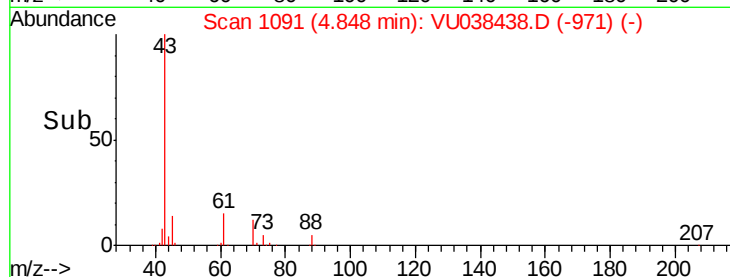
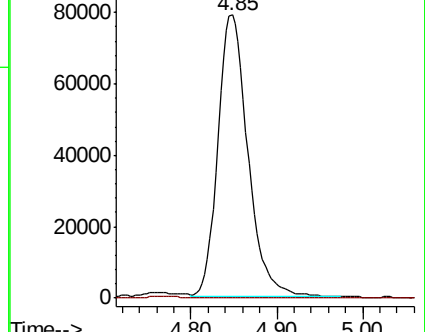
43 100

72 0.0 12.6 37.8#



Abundance Ion 43.05 (42.75 to 43.75): VU038438.D (-1042) (-)

Ion 72.10 (71.80 to 72.80): VU038438.D (-1042) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.949 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038438.D

Acq: 31 May 2020 01:38

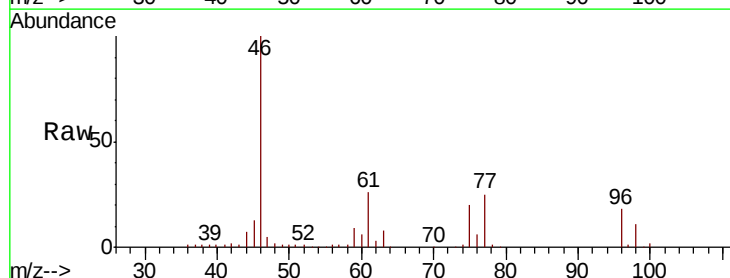
Tgt Ion: 96 Resp: 21415

Ion Ratio Lower Upper

96 100

61 140.4 94.0 174.6

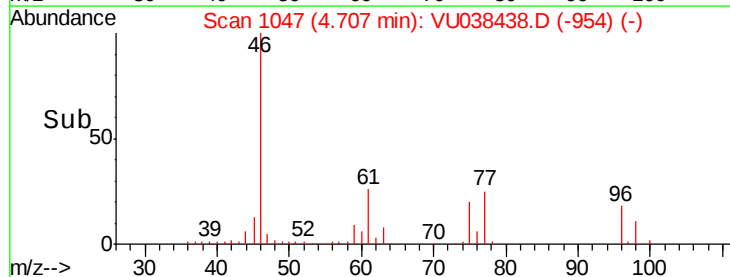
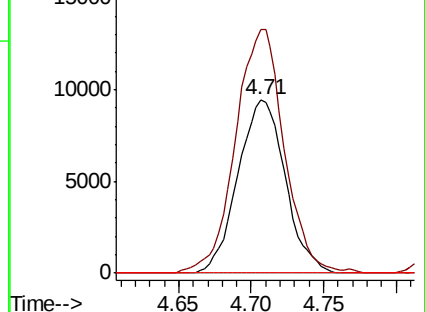
68 0.0 0.0 0.0

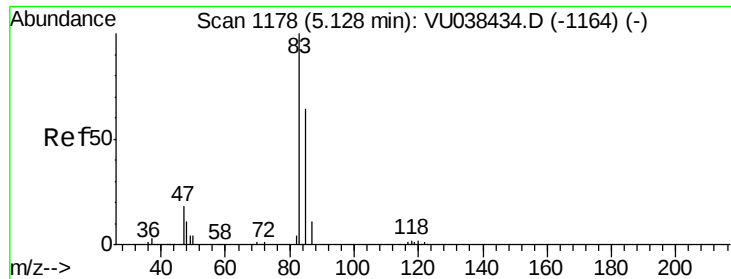


Abundance Ion 96.00 (95.70 to 96.70): VU038438.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU038438.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU038438.D (-954) (-)

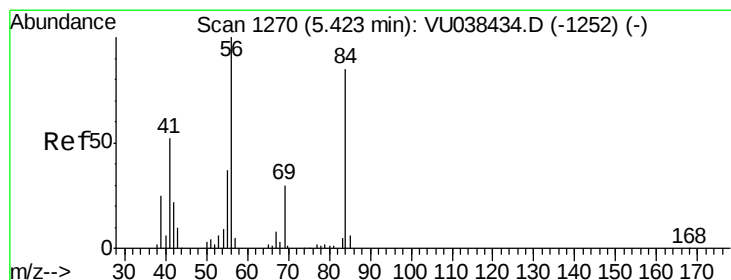
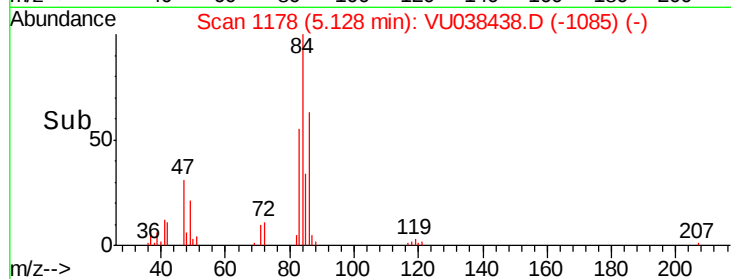
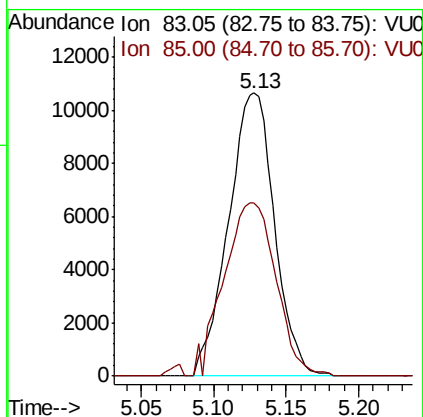
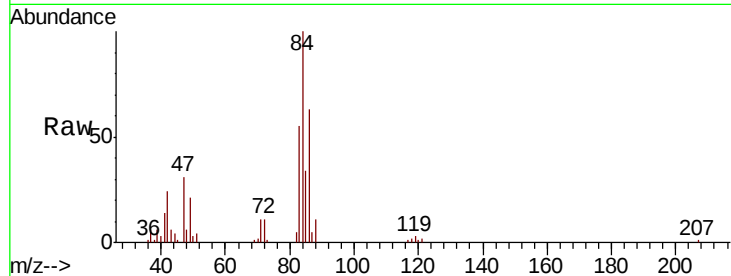




#25
Chloroform
Concen: 0.618 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038438.D
Acq: 31 May 2020 01:38

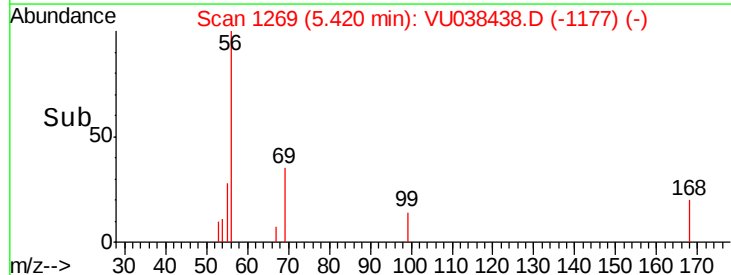
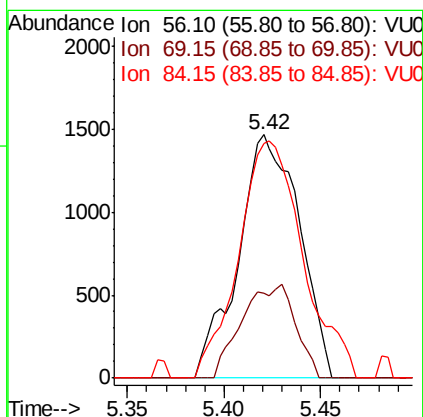
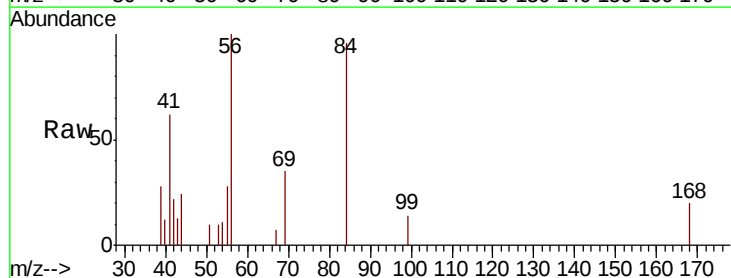
Instrument :
MSVOA_U
ClientSampleId :

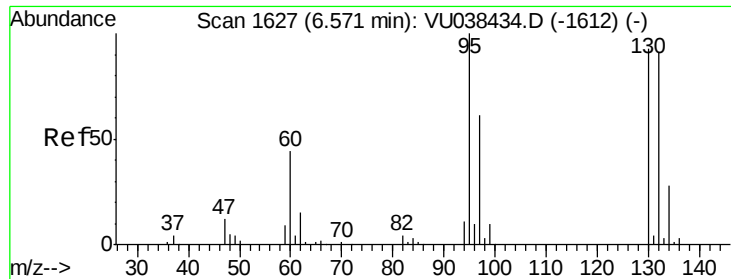
Tot Ion: 83 Resp: 23549
Ion Ratio Lower Upper
83 100
85 61.1 44.9 83.5



#30
Cyclohexane
Concen: 0.096 ug/L
RT: 5.42 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VU038438.D
Acq: 31 May 2020 01:38

Tgt Ion: 56 Resp: 3225
Ion Ratio Lower Upper
56 100
69 33.7 24.2 36.4
84 102.6 70.8 106.2

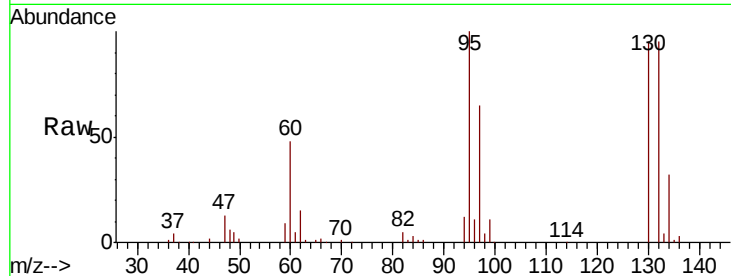




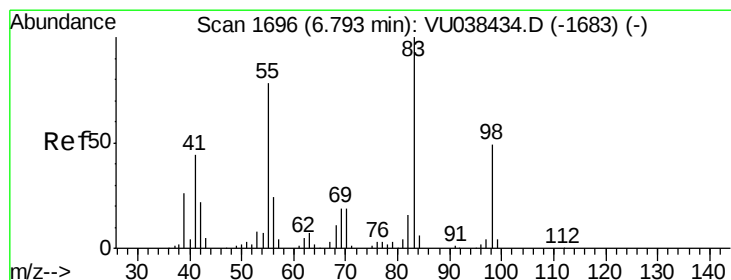
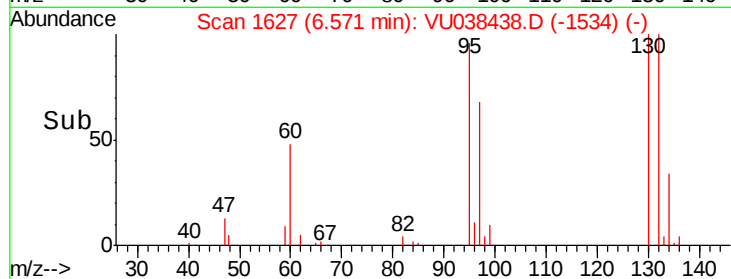
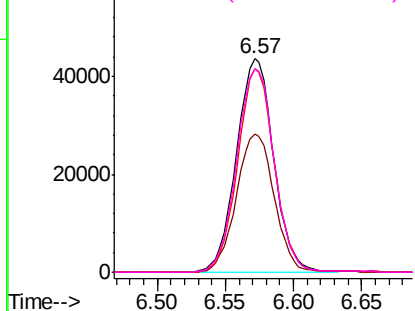
#34
 Trichloroethene
 Concen: 3.765 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038438.D
 Acq: 31 May 2020 01:38

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 82735
 Ion Ratio Lower Upper
 95 100
 97 64.5 46.8 87.0
 132 95.2 66.1 122.7
 130 95.2 70.0 130.0

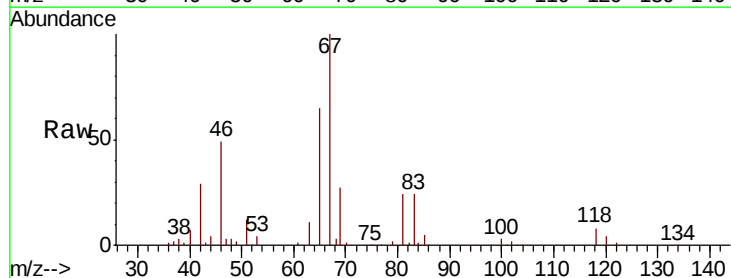


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

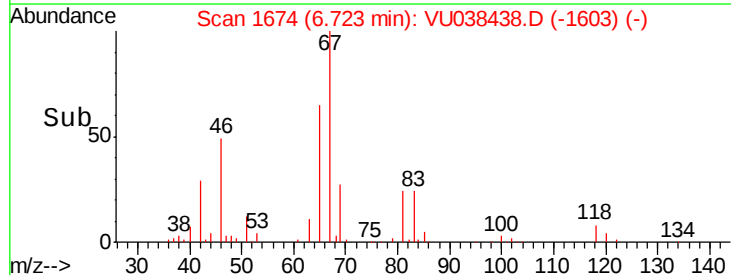
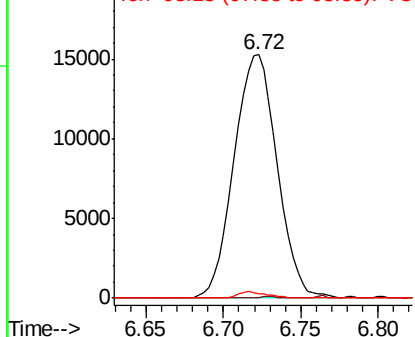


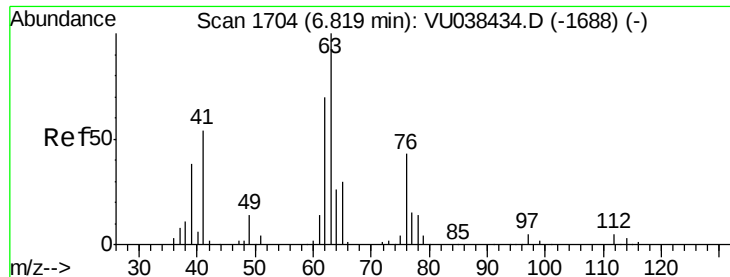
#35
 Methylcyclohexane
 Concen: 0.870 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.07 min
 Lab File: VU038438.D
 Acq: 31 May 2020 01:38

Tgt Ion: 83 Resp: 29595
 Ion Ratio Lower Upper
 83 100
 55 0.2 63.4 95.2#
 98 1.8 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

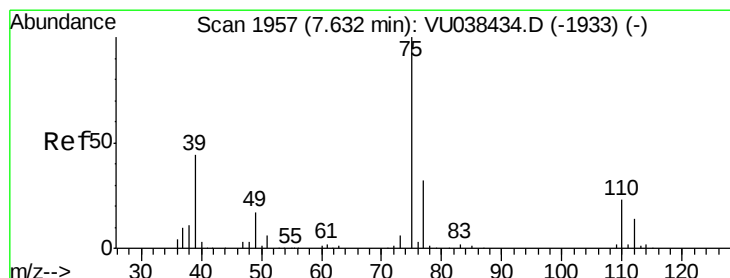
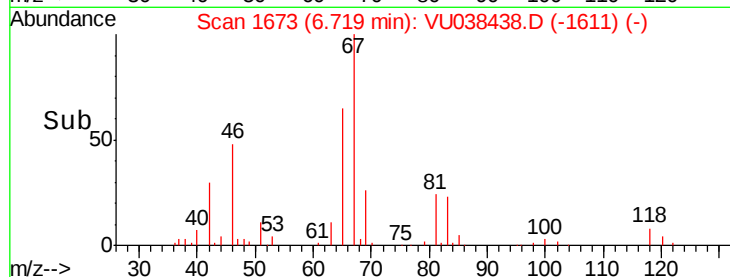
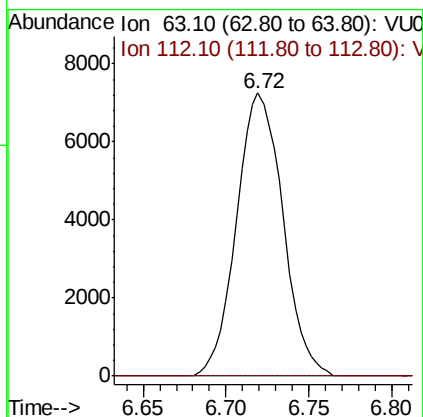
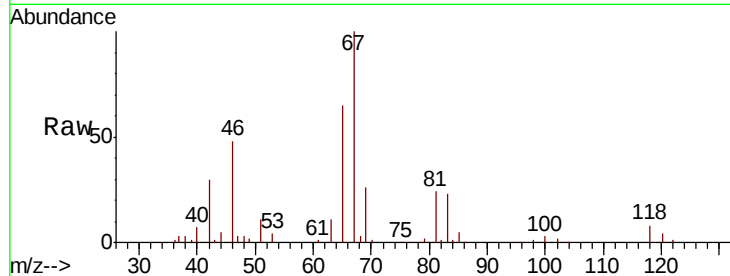




#37
 1,2-Dichloropropane
 Concen: 0.661 ug/L
 RT: 6.72 min Scan# 1673
 Delta R.T. -0.10 min
 Lab File: VU038438.D
 Acq: 31 May 2020 01:38

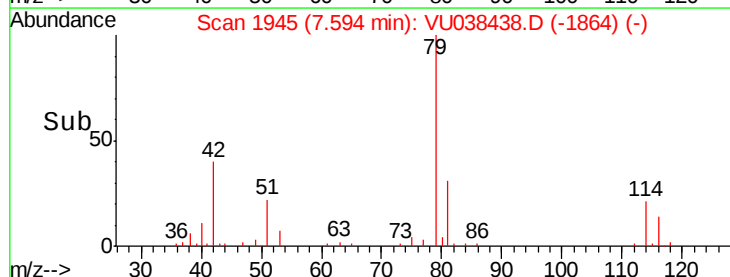
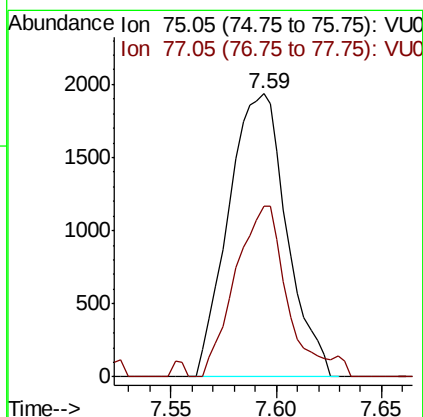
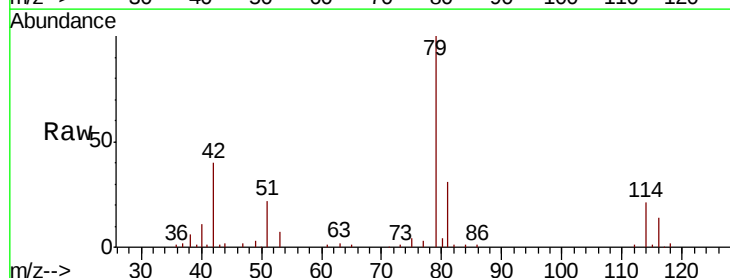
Instrument :
 MSVOA_U
 ClientSampleId :

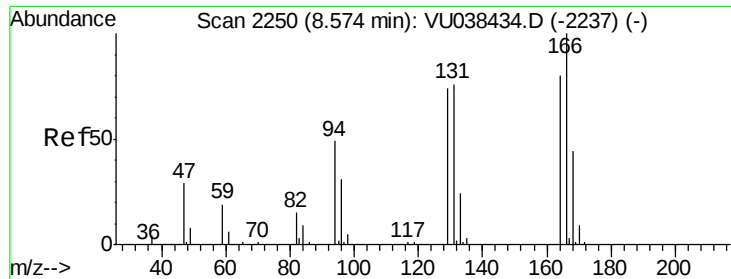
Tot Ion: 63 Resp: 14084
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#



#39
 cis-1,3-Dichloropropene
 Concen: 0.118 ug/L
 RT: 7.59 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: VU038438.D
 Acq: 31 May 2020 01:38

Tgt Ion: 75 Resp: 3713
 Ion Ratio Lower Upper
 75 100
 77 60.4 21.9 40.7#





#47

Tetrachloroethene

Concen: 0.781 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.00 min

Lab File: VU038438.D

Acq: 31 May 2020 01:38

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:164 Resp: 12465

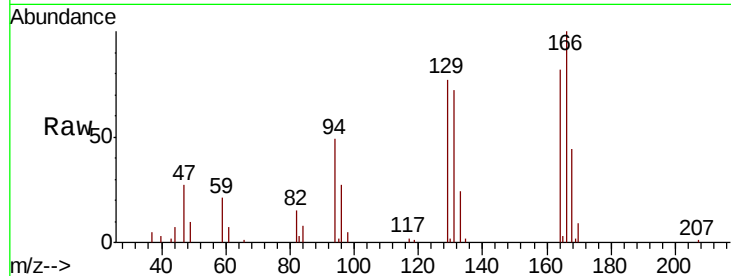
Ion Ratio Lower Upper

164 100

129 93.4 67.4 125.2

131 88.0 64.1 119.1

166 121.5 85.7 159.1

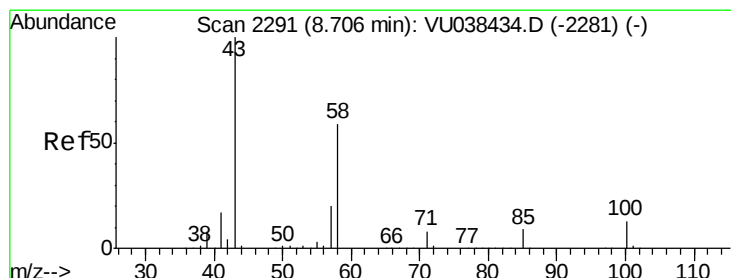
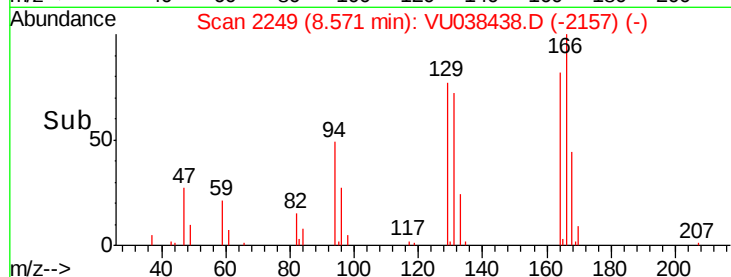
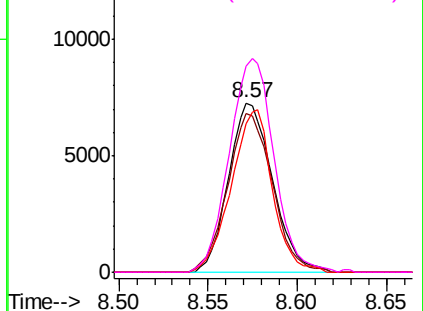


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.286 ug/L

RT: 8.71 min Scan# 2291

Delta R.T. 0.00 min

Lab File: VU038438.D

Acq: 31 May 2020 01:38

Tgt Ion: 43 Resp: 14838

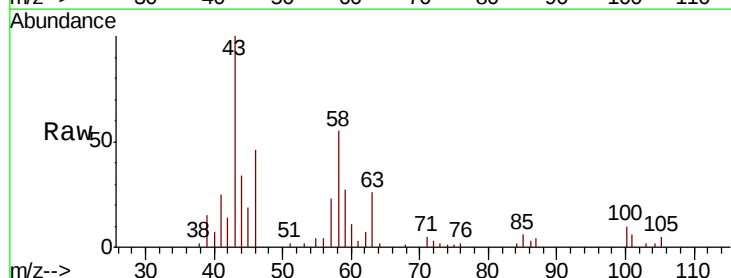
Ion Ratio Lower Upper

43 100

58 56.2 45.4 68.0

57 24.7 15.9 23.9#

100 9.4 10.5 15.7#

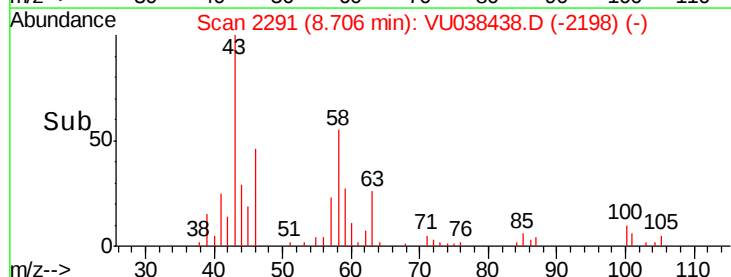
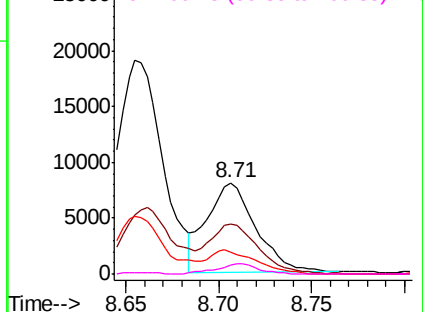


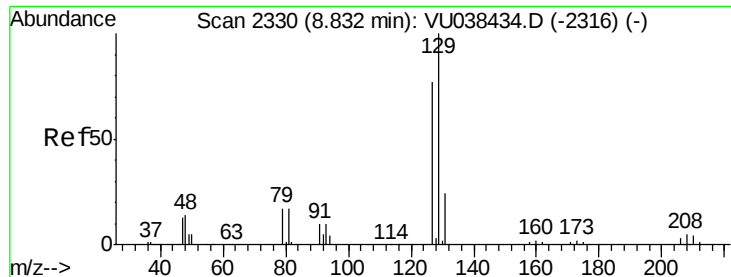
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 0.683 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.26 min

Lab File: VU038438.D

Acq: 31 May 2020 01:38

Instrument :

MSVOA_U

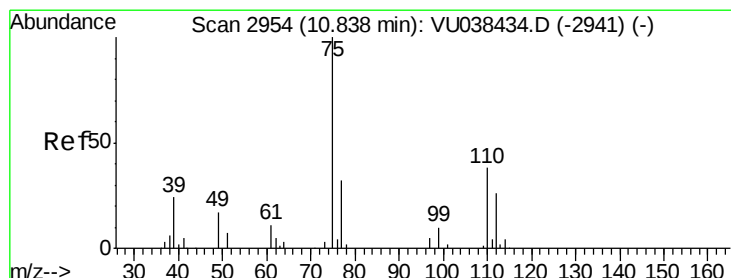
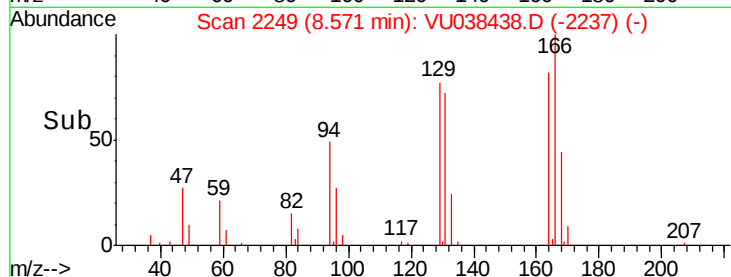
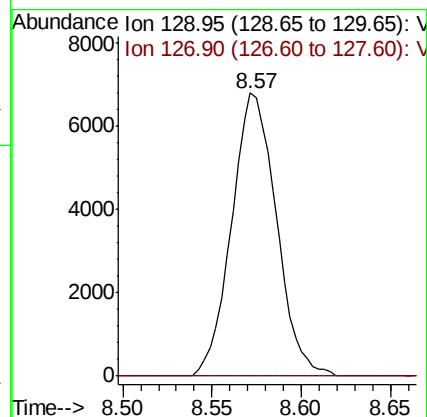
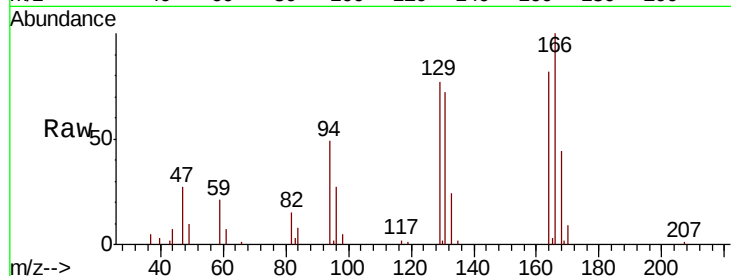
ClientSampled :

Tot Ion:129 Resp: 11853

Ion Ratio Lower Upper

129 100

127 0.0 53.3 99.1#



#59

1,2,3-Trichloropropane

Concen: 1.216 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.99 min

Lab File: VU038438.D

Acq: 31 May 2020 01:38

Tgt Ion: 75 Resp: 19332

Ion Ratio Lower Upper

75 100

77 39.5 25.4 38.2#

