

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053120\
 Data File : VU038428.D
 Acq On : 30 May 2020 21:01
 Operator : JC/MD
 Sample : L2787-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 01 02:42:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 01 02:37:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	317982	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	311297	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	148425	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	99898	4.85	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.00%
7) Chloroethane-d5	1.93	69	82717	5.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.60%
11) 1,1-Dichloroethene-d2	2.59	63	145865	3.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.00%
20) 2-Butanone-d5	4.68	46	355152	56.81	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.62%
24) Chloroform-d	5.10	84	200080	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
26) 1,2-Dichloroethane-d4	5.74	65	117851	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.40%
32) Benzene-d6	5.76	84	404041	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
36) 1,2-Dichloropropane-d6	6.72	67	124549	5.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.20%
41) Toluene-d8	7.92	98	337725	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
43) trans-1,3-Dichloropropene-	8.20	79	50463	4.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.20%
46) 2-Hexanone-d5	8.65	63	310044	61.09	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	122.18%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	107353	5.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	140085	5.47	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	16019	0.831	ug/L	97
12) 1,1-Dichloroethene	2.60	96	1177	0.060	ug/L #	1
13) Acetone	2.68	43	22003	5.378	ug/L	100
21) 2-Butanone	4.85	43	230695	33.523	ug/L #	50
22) cis-1,2-Dichloroethene	4.71	96	10910	0.480	ug/L	99
25) Chloroform	5.13	83	46554	1.213	ug/L	93
30) Cyclohexane	5.42	56	6025	0.174	ug/L	94
34) Trichloroethene	6.57	95	31377	1.393	ug/L	97
35) Methylcyclohexane	6.72	83	30265	0.868	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	13299	0.609	ug/L #	86
39) cis-1,3-Dichloropropene	7.59	75	3330	0.103	ug/L #	78
45) 1,1,2-Trichloroethane	8.57	97	2583	0.157	ug/L #	7
47) Tetrachloroethene	8.57	164	276344	16.882	ug/L	96
48) 2-Hexanone	8.71	43	14280	1.207	ug/L #	90
49) Dibromochloromethane	8.57	129	263627	14.821	ug/L #	11
59) 1,2,3-Trichloropropane	11.82	75	18529	1.136	ug/L #	87

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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 01 02:37:32 2020
Response via : Initial Calibration

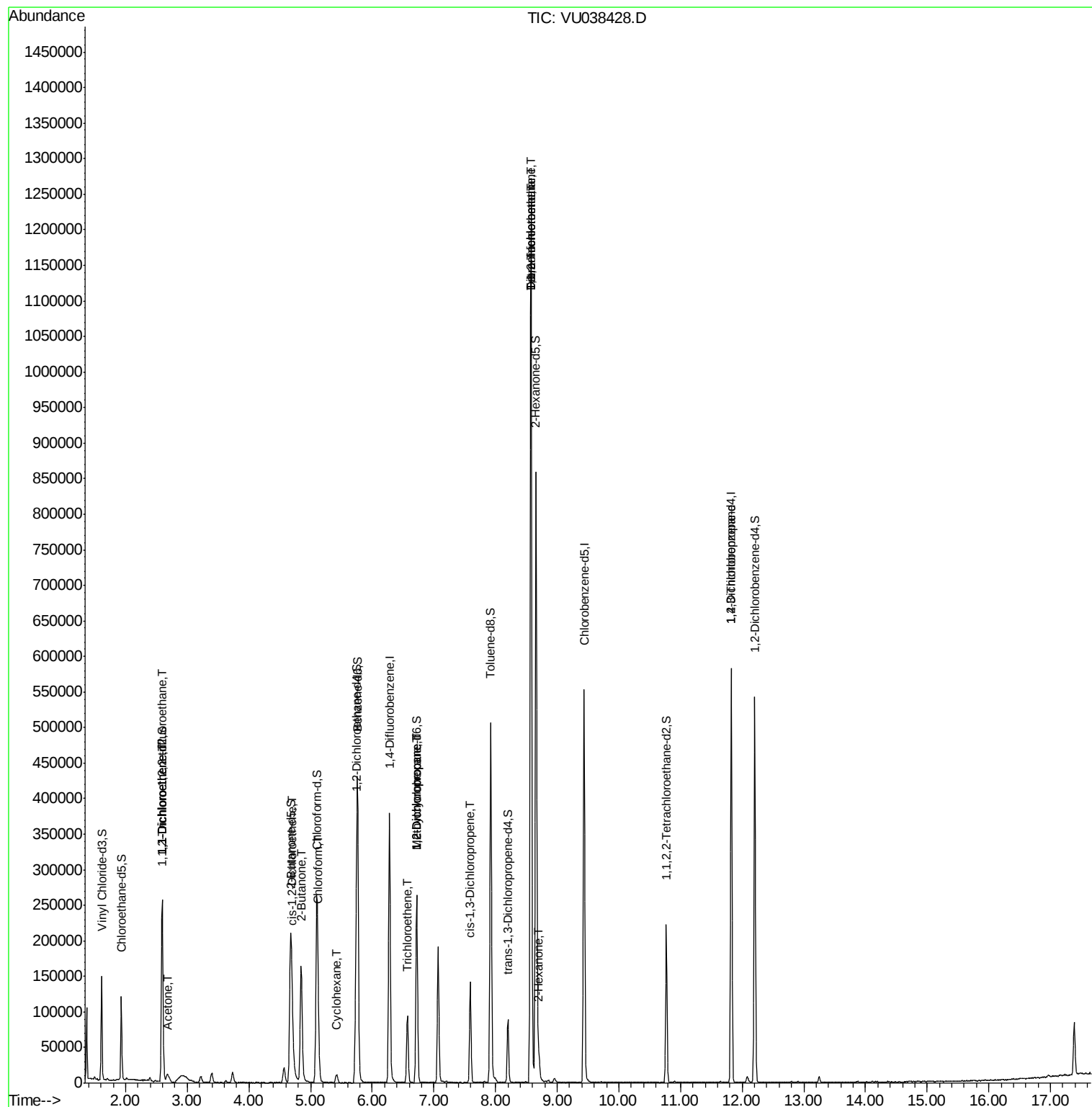
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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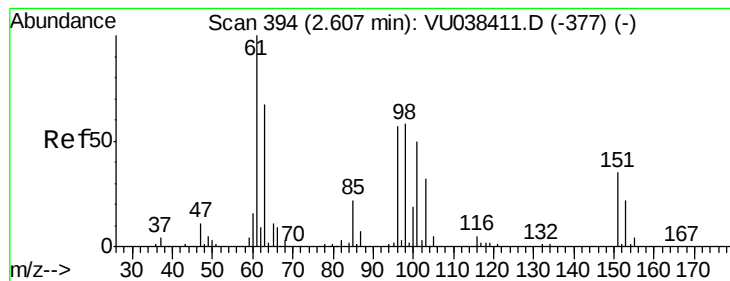
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jun 01 02:37:32 2020
Response via : Initial Calibration





#10

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

Concen: 0.831 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038428.D

Acq: 30 May 2020 21:01

Instrument :

MSVOA_U

ClientSampled :

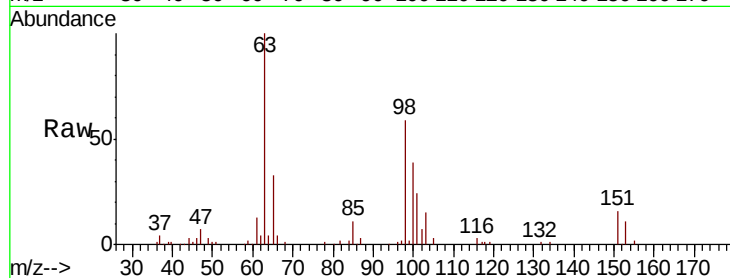
Tot Ion:101 Resp: 16019

Ion Ratio Lower Upper

101 100

85 39.6 34.0 51.0

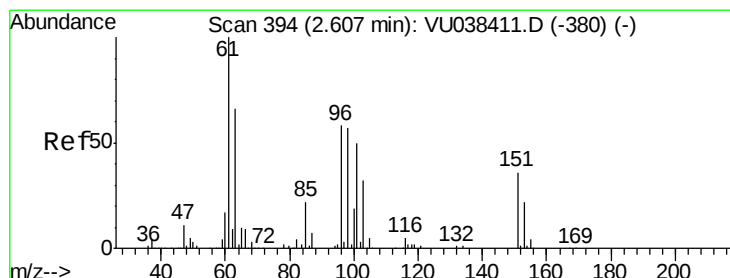
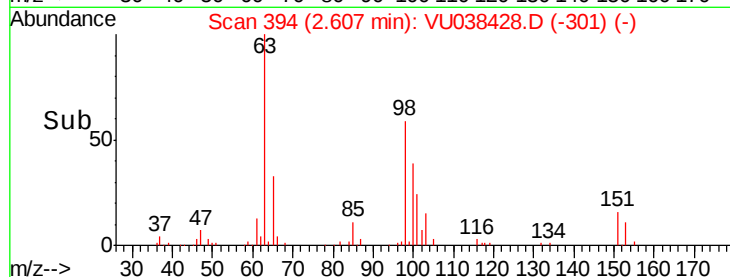
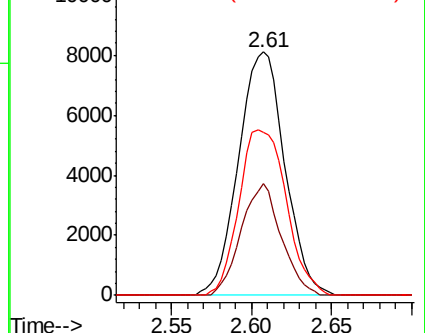
151 69.4 56.9 85.3



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: 0.060 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU038428.D

Acq: 30 May 2020 21:01

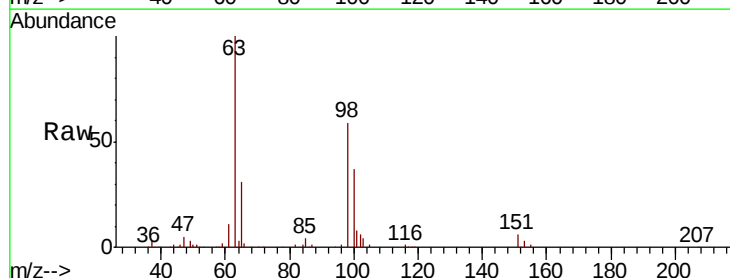
Tgt Ion: 96 Resp: 1177

Ion Ratio Lower Upper

96 100

61 1117.3 119.9 222.7#

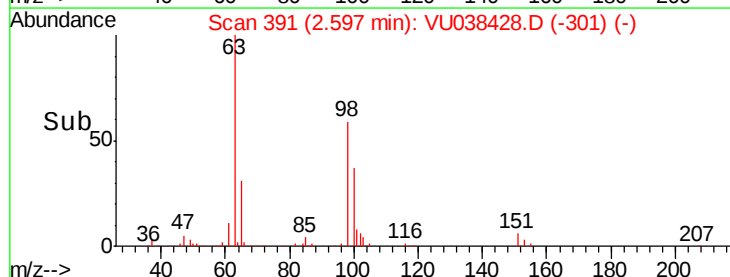
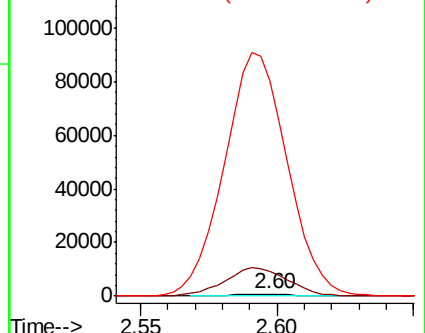
63 9824.2 89.9 167.0#

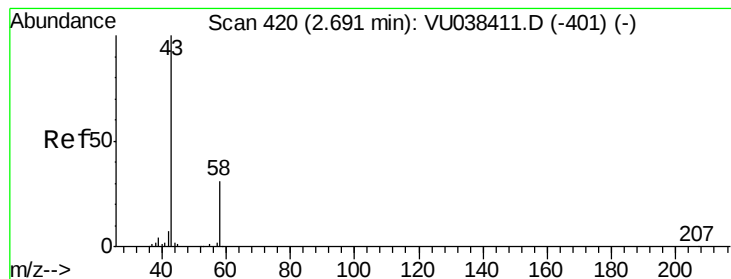


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 5.378 ug/L

RT: 2.68 min Scan# 416

Delta R.T. -0.01 min

Lab File: VU038428.D

Acq: 30 May 2020 21:01

Instrument :

MSVOA_U

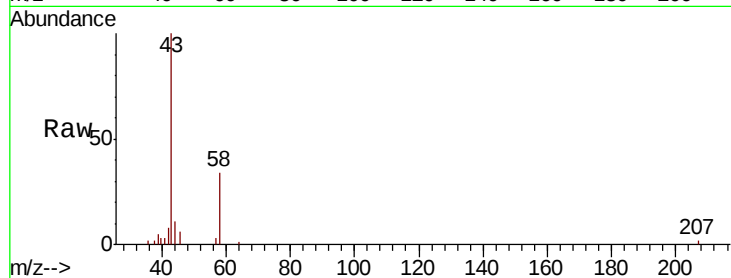
ClientSampleId :

Tot Ion: 43 Resp: 22003

Ion Ratio Lower Upper

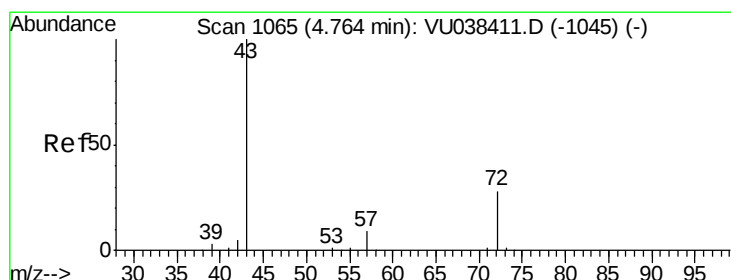
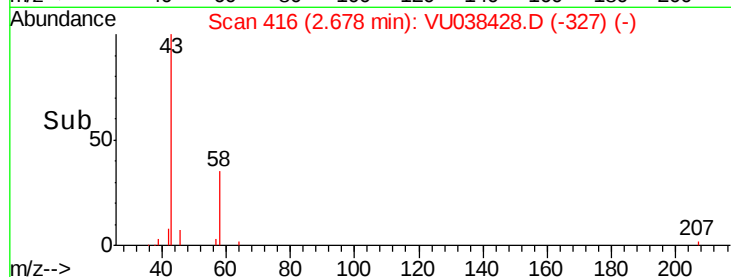
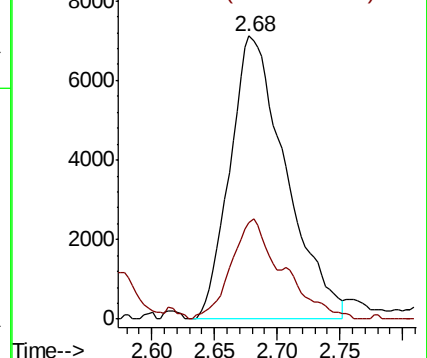
43 100

58 32.8 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#21

2-Butanone

Concen: 33.523 ug/L

RT: 4.85 min Scan# 1091

Delta R.T. 0.08 min

Lab File: VU038428.D

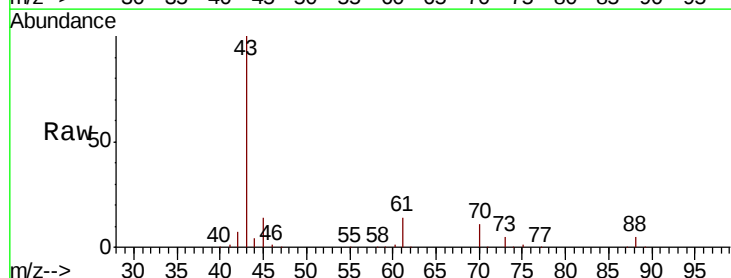
Acq: 30 May 2020 21:01

Tgt Ion: 43 Resp: 230695

Ion Ratio Lower Upper

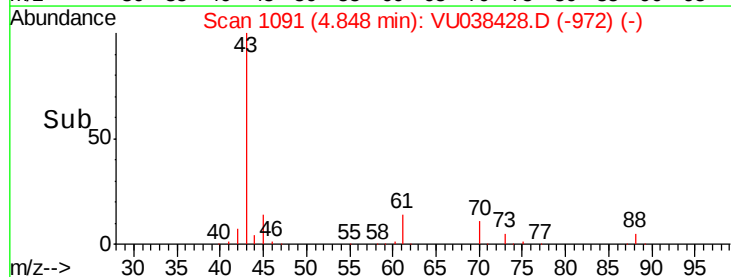
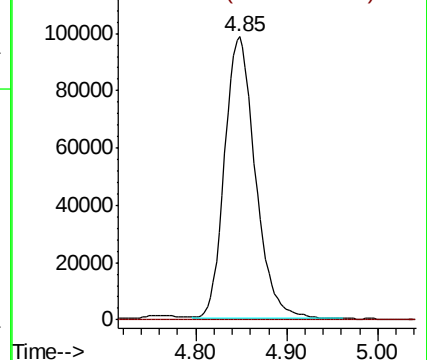
43 100

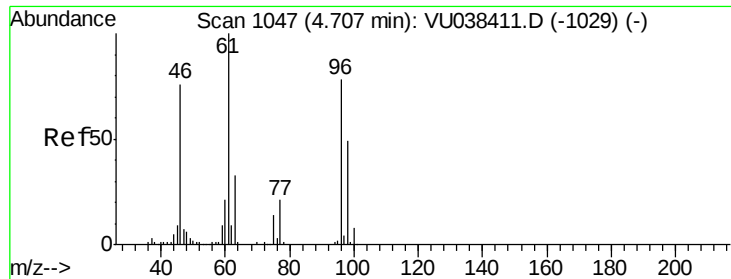
72 0.1 12.6 37.8#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 0.480 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038428.D

Acq: 30 May 2020 21:01

Instrument :
MSVOA_U
ClientSampleId :

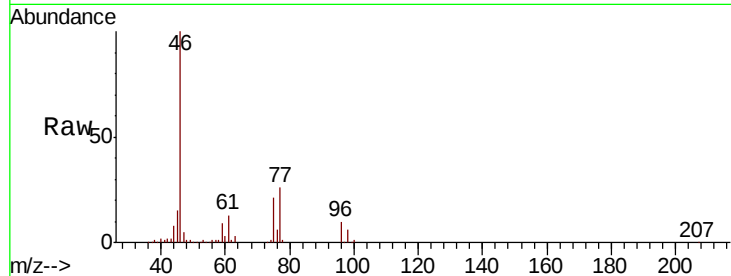
Tot Ion: 96 Resp: 10910

Ion Ratio Lower Upper

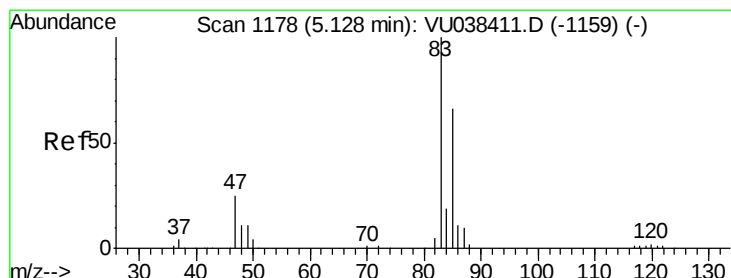
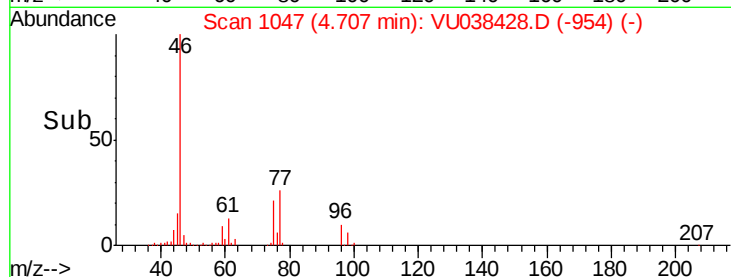
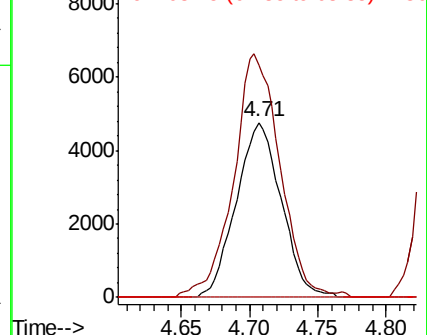
96 100

61 133.3 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: 1.213 ug/L

RT: 5.13 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VU038428.D

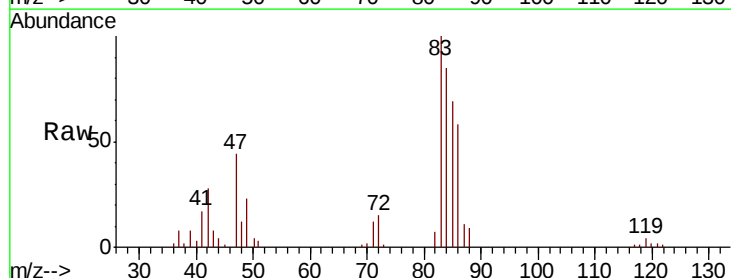
Acq: 30 May 2020 21:01

Tgt Ion: 83 Resp: 46554

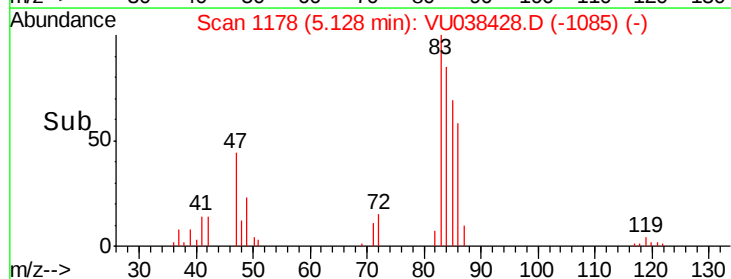
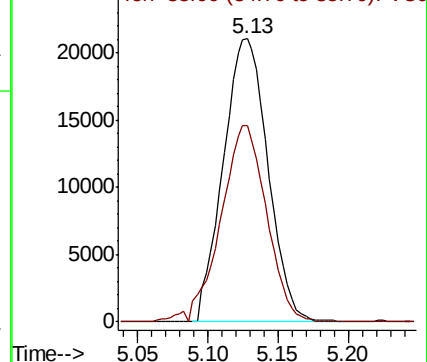
Ion Ratio Lower Upper

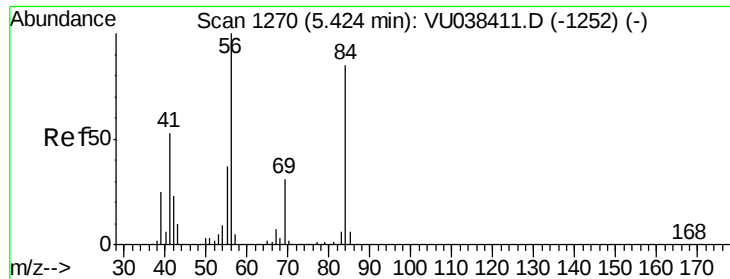
83 100

85 69.3 44.9 83.5



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

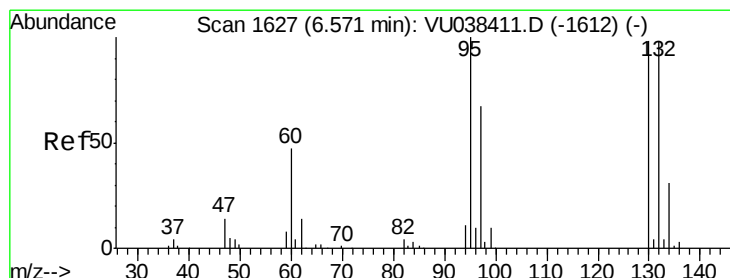
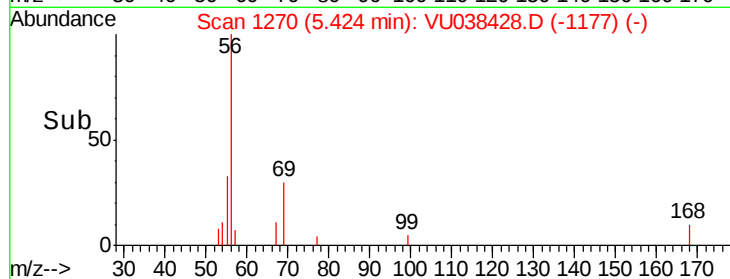
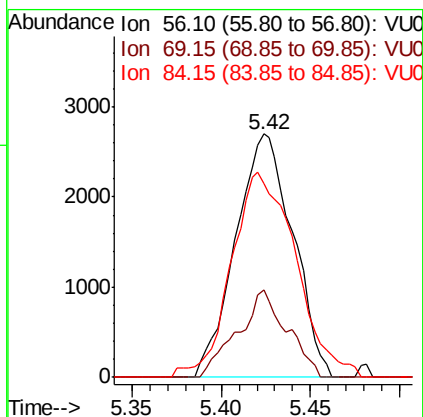
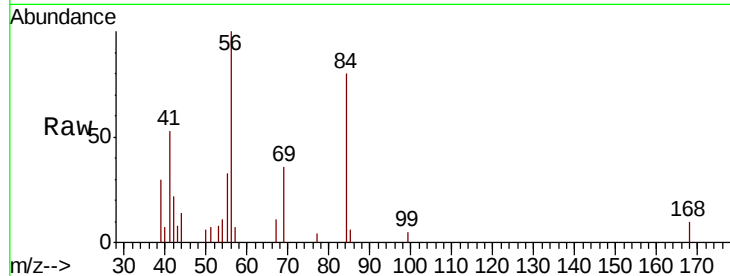




#30
Cyclohexane
Concen: 0.174 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU038428.D
Acq: 30 May 2020 21:01

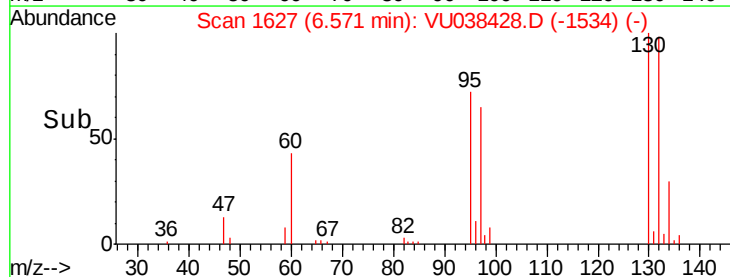
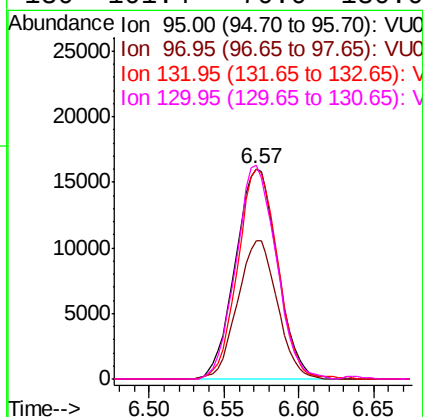
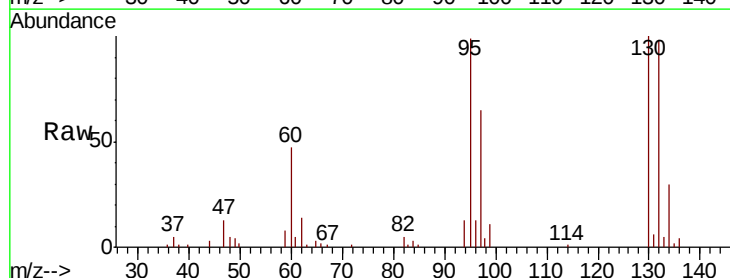
Instrument :
MSVOA_U
ClientSampleId :

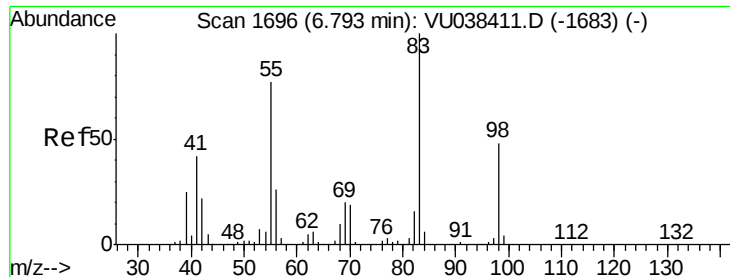
Tot Ion: 56 Resp: 6025
Ion Ratio Lower Upper
56 100
69 31.0 24.2 36.4
84 95.1 70.8 106.2



#34
Trichloroethene
Concen: 1.393 ug/L
RT: 6.57 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VU038428.D
Acq: 30 May 2020 21:01

Tgt Ion: 95 Resp: 31377
Ion Ratio Lower Upper
95 100
97 65.9 46.8 87.0
132 99.9 66.1 122.7
130 101.4 70.0 130.0





#35

Methvlcvclohexane

Concen: 0.868 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.07 min

Lab File: VU038428.D

Acq: 30 May 2020 21:01

Instrument :

MSVOA_U

ClientSampleId :

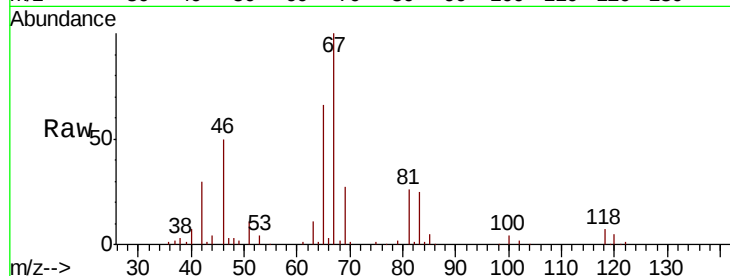
Tot Ion: 83 Resp: 30265

Ion Ratio Lower Upper

83 100

55 0.5 63.4 95.2#

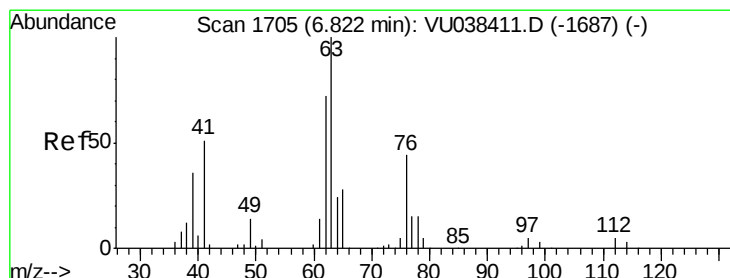
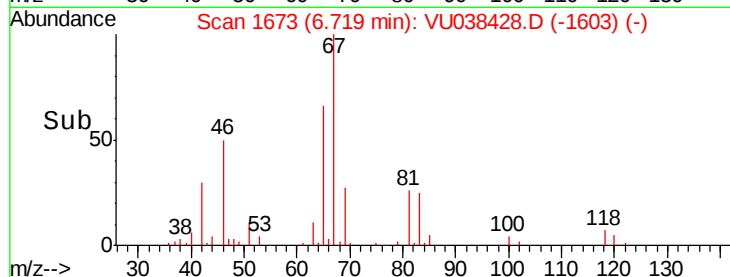
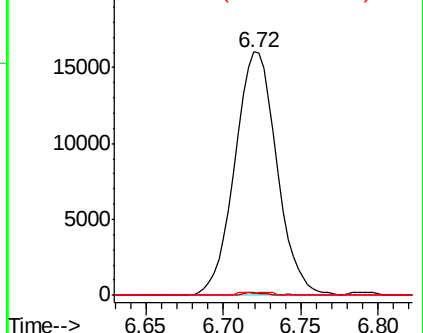
98 0.5 39.0 58.4#



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: 0.609 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.10 min

Lab File: VU038428.D

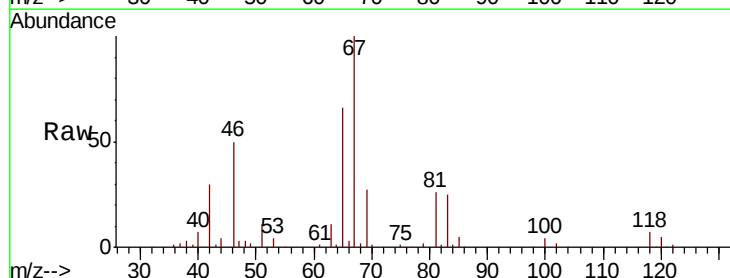
Acq: 30 May 2020 21:01

Tgt Ion: 63 Resp: 13299

Ion Ratio Lower Upper

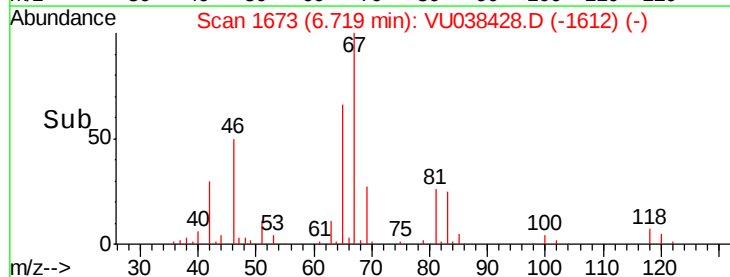
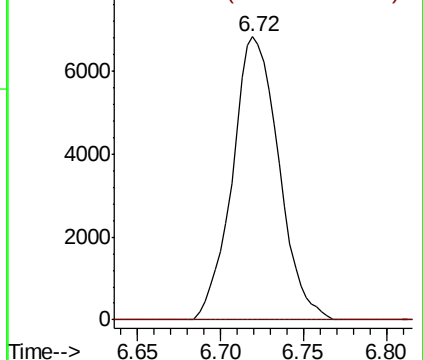
63 100

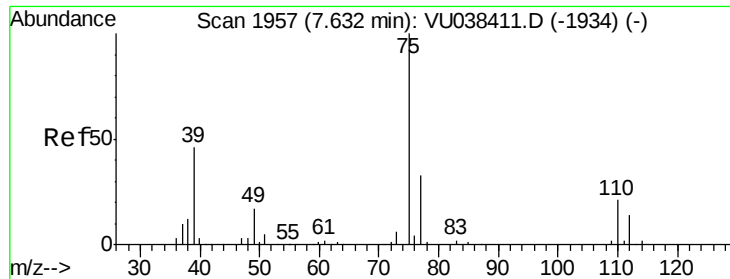
112 0.0 3.7 5.5#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V

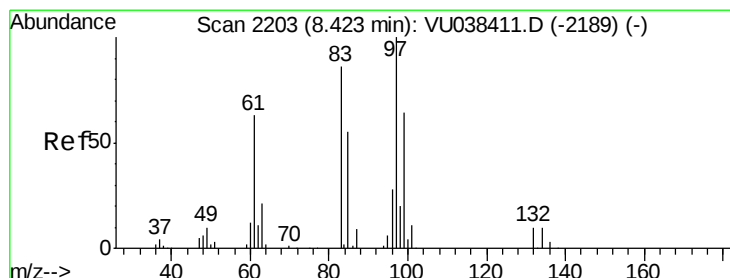
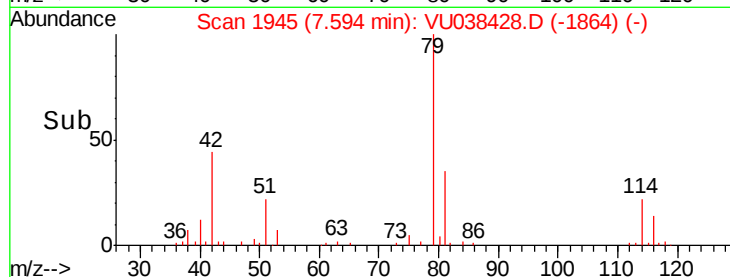
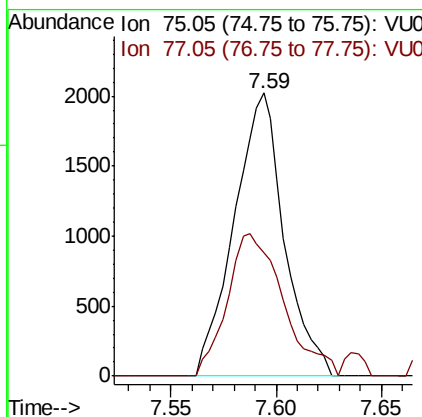
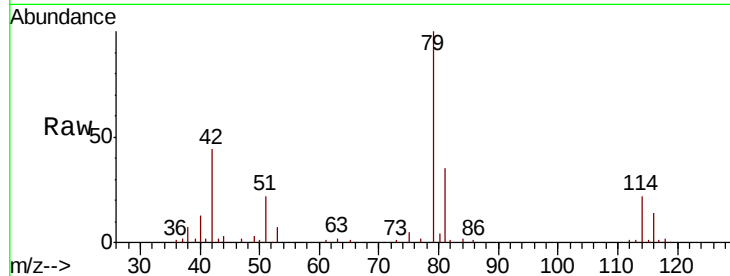




#39
 cis-1,3-Dichloropropene
 Concen: 0.103 ug/L
 RT: 7.59 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: VU038428.D
 Acq: 30 May 2020 21:01

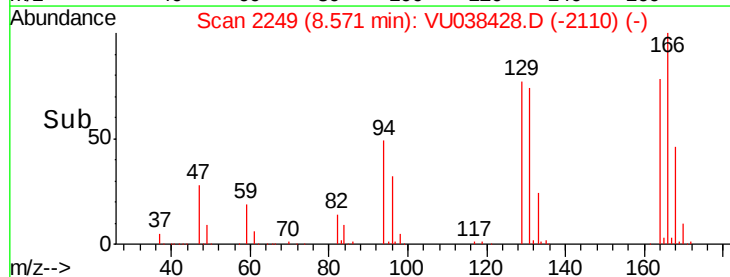
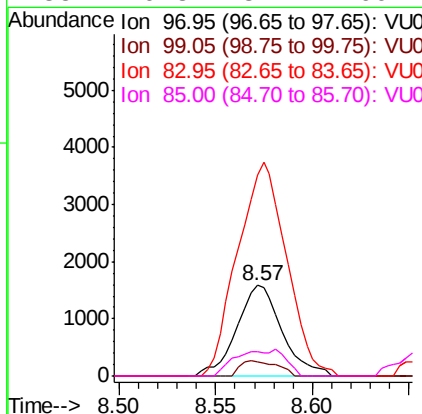
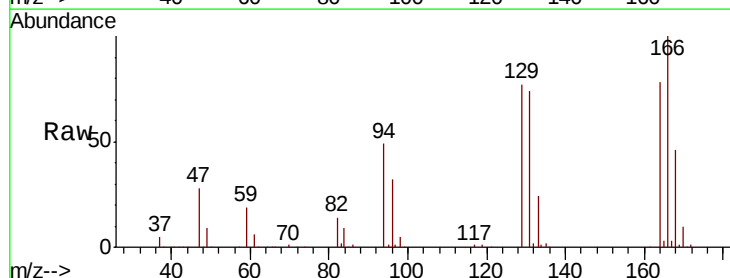
Instrument :
 MSVOA_U
 ClientSampleId :

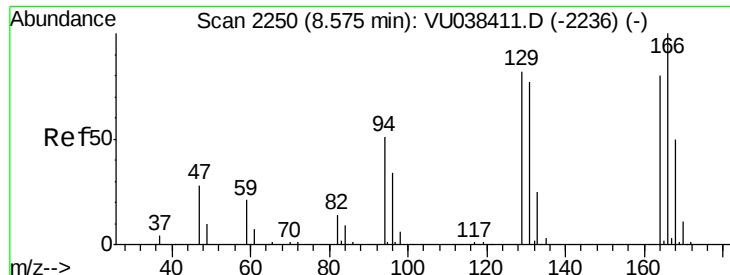
Tot Ion: 75 Resp: 3330
 Ion Ratio Lower Upper
 75 100
 77 43.5 21.9 40.7#



#45
 1,1,2-Trichloroethane
 Concen: 0.157 ug/L
 RT: 8.57 min Scan# 2249
 Delta R.T. 0.15 min
 Lab File: VU038428.D
 Acq: 30 May 2020 21:01

Tgt Ion: 97 Resp: 2583
 Ion Ratio Lower Upper
 97 100
 99 15.1 42.1 78.1#
 83 222.2 58.8 109.2#
 85 26.3 37.4 69.4#

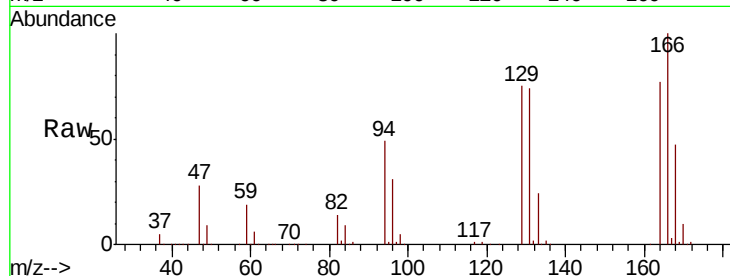




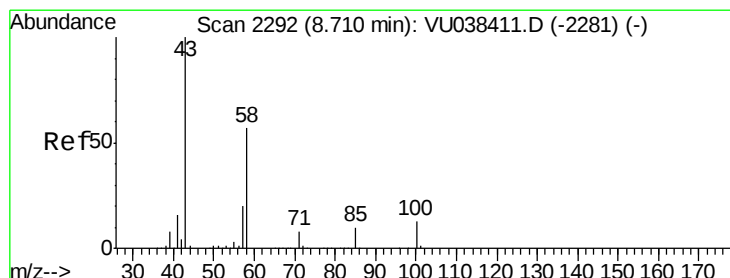
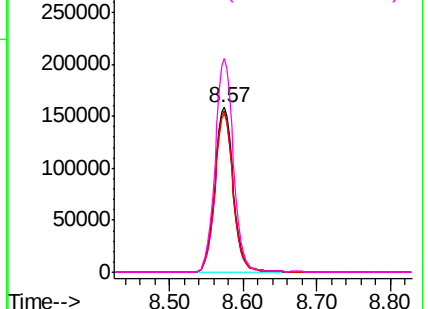
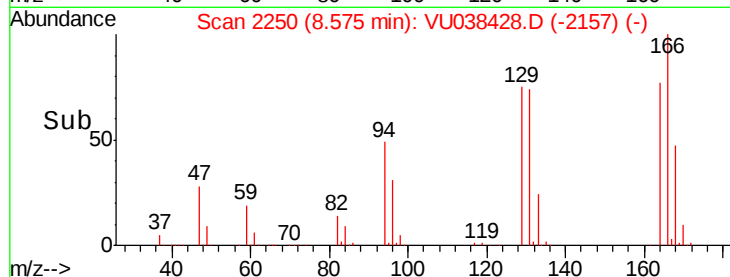
#47
Tetrachloroethene
Concen: 16.882 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. 0.00 min
Lab File: VU038428.D
Acq: 30 May 2020 21:01

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:164 Resp: 276344
Ion Ratio Lower Upper
164 100
129 97.4 67.4 125.2
131 96.1 64.1 119.1
166 129.4 85.7 159.1

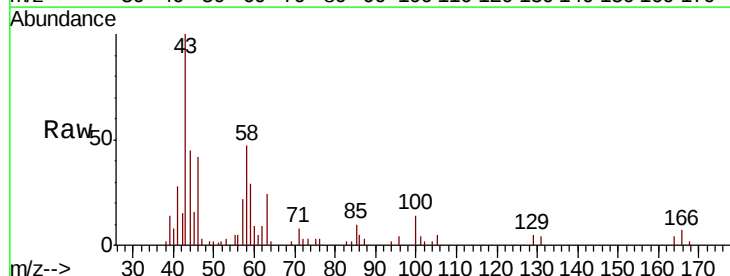


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

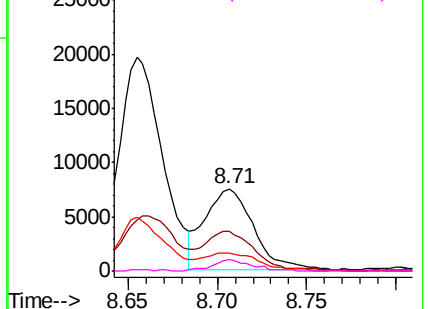
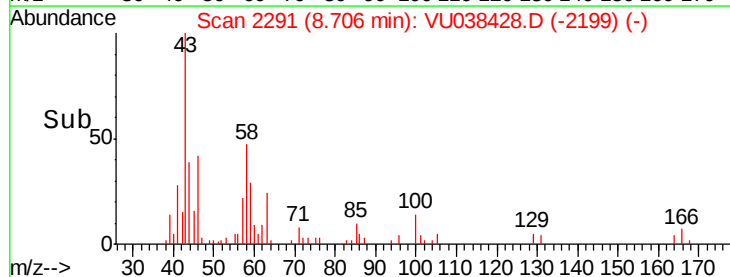


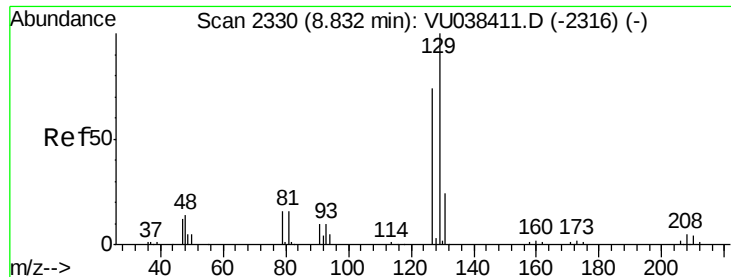
#48
2-Hexanone
Concen: 1.207 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038428.D
Acq: 30 May 2020 21:01

Tgt Ion: 43 Resp: 14280
Ion Ratio Lower Upper
43 100
58 49.0 45.4 68.0
57 24.9 15.9 23.9#
100 10.7 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: 14.821 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.26 min

Lab File: VU038428.D

Acq: 30 May 2020 21:01

Instrument :

MSVOA_U

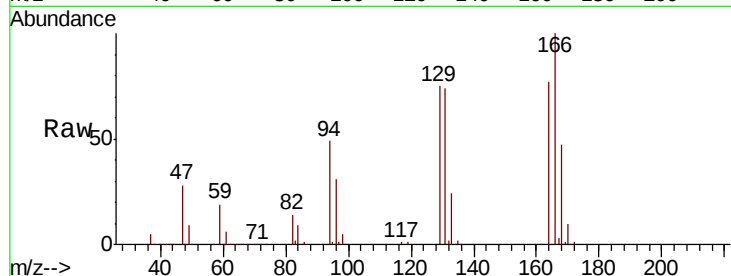
ClientSampleId :

Tot Ion:129 Resp: 263627

Ion Ratio Lower Upper

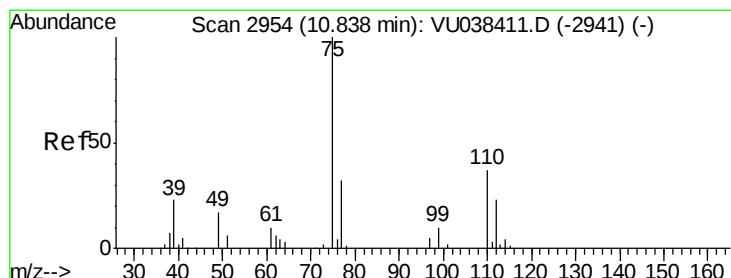
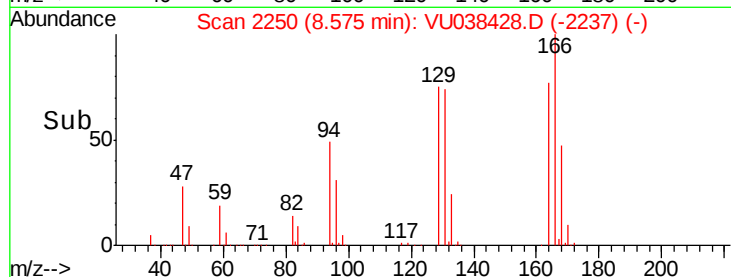
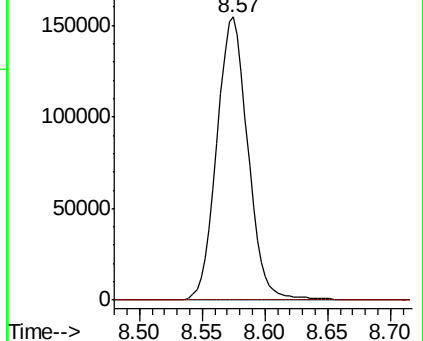
129 100

127 0.0 53.3 99.1#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 1.136 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU038428.D

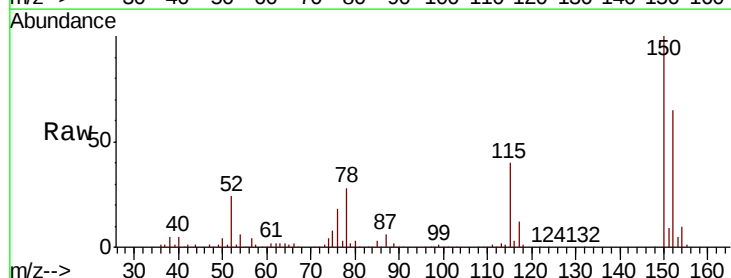
Acq: 30 May 2020 21:01

Tgt Ion: 75 Resp: 18529

Ion Ratio Lower Upper

75 100

77 39.0 25.4 38.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

