

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061320\
 Data File : VU038863.D
 Acq On : 12 Jun 2020 20:09
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 13 01:00:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jun 13 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	302627	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	301610	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	152552	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	70234	4.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.20%
7) Chloroethane-d5	1.93	69	56923	4.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.00%
11) 1,1-Dichloroethene-d2	2.59	63	162309	4.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.60%
20) 2-Butanone-d5	4.68	46	241593	46.67	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.34%
24) Chloroform-d	5.10	84	161857	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
26) 1,2-Dichloroethane-d4	5.74	65	91493	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
32) Benzene-d6	5.76	84	309740	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
36) 1,2-Dichloropropane-d6	6.72	67	92998	4.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.20%
41) Toluene-d8	7.92	98	281027	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
43) trans-1,3-Dichloropropene-	8.20	79	40225	4.29	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.80%
46) 2-Hexanone-d5	8.65	63	211938	50.94	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.88%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	84553	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.60%
64) 1,2-Dichlorobenzene-d4	12.20	152	109272	4.40	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	128868	4.371	ug/L 100
3) Chloromethane	1.53	50	107847	4.435	ug/L 99
5) Vinyl chloride	1.62	62	115187	4.458	ug/L 98
6) Bromomethane	1.87	94	66373	4.477	ug/L 99
8) Chloroethane	1.95	64	68117	4.269	ug/L 100
9) Trichlorofluoromethane	2.16	101	172042	4.487	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	96755	4.412	ug/L 98
12) 1,1-Dichloroethene	2.61	96	95832	4.521	ug/L 87
13) Acetone	2.68	43	200863	47.828	ug/L 99
14) Carbon disulfide	2.82	76	311773	4.321	ug/L 100
15) Methyl Acetate	2.99	43	49811	4.855	ug/L 96
16) Methylene chloride	3.08	84	114237	4.688	ug/L 99
17) Methyl tert-butyl Ether	3.40	73	253420	4.641	ug/L 100
18) trans-1,2-Dichloroethene	3.39	96	100898	4.434	ug/L 98
19) 1,1-Dichloroethane	3.91	63	187193	4.570	ug/L 98
21) 2-Butanone	4.75	43	331779	48.093	ug/L 99
22) cis-1,2-Dichloroethene	4.71	96	107464	4.534	ug/L 98

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 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 13 01:00:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jun 13 00:56:28 2020
 Response via : Initial Calibration

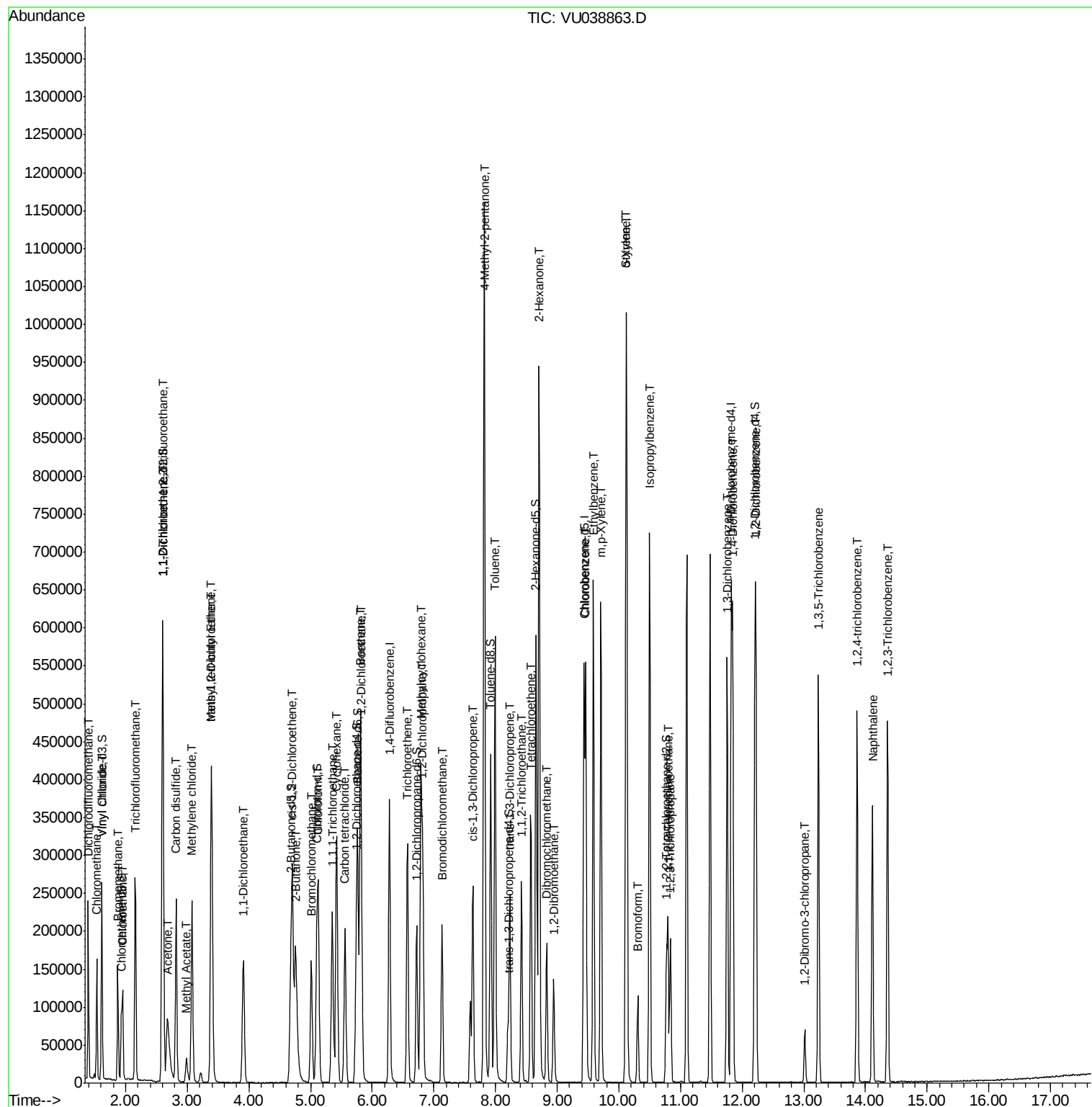
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	51557	4.640	ug/L	98
25) Chloroform	5.12	83	189067	4.477	ug/L	96
27) 1,2-Dichloroethane	5.83	62	135456	4.601	ug/L	97
29) 1,1,1-Trichloroethane	5.35	97	166794	4.481	ug/L	99
30) Cyclohexane	5.42	56	157999	4.380	ug/L	100
31) Carbon tetrachloride	5.56	117	138703	4.414	ug/L	99
33) Benzene	5.81	78	415193	4.556	ug/L	100
34) Trichloroethene	6.57	95	107730	4.527	ug/L	97
35) Methylcyclohexane	6.79	83	155558	4.204	ug/L	99
37) 1,2-Dichloropropane	6.82	63	105073	4.577	ug/L	100
38) Bromodichloromethane	7.13	83	137023	4.601	ug/L	98
39) cis-1,3-Dichloropropene	7.63	75	150448	4.421	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	752843	48.997	ug/L	100
42) Toluene	7.99	91	430059	4.470	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	133485	4.404	ug/L	98
45) 1,1,2-Trichloroethane	8.42	97	81828	4.673	ug/L	98
47) Tetrachloroethene	8.57	164	78486	4.284	ug/L	98
48) 2-Hexanone	8.71	43	576466	48.840	ug/L	98
49) Dibromochloromethane	8.83	129	92400	4.727	ug/L	99
50) 1,2-Dibromoethane	8.94	107	77202	4.517	ug/L	97
51) Chlorobenzene	9.47	112	275772	4.451	ug/L	100
52) Ethylbenzene	9.59	91	465035	4.387	ug/L	100
53) m,p-Xylene	9.71	106	181654	4.535	ug/L	95
54) o-Xylene	10.11	106	176230	4.583	ug/L	97
55) Styrene	10.13	104	305596	4.618	ug/L	99
56) Isopropylbenzene	10.50	105	460758	4.482	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	102629	4.714	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	79459	4.665	ug/L	100
61) Bromoform	10.31	173	50286	4.577	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	222190	4.512	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	226475	4.508	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	212528	4.587	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.01	75	18429	4.904	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	159462	4.420	ug/L	97
68) 1,2,4-trichlorobenzene	13.86	180	146457	4.588	ug/L	98
69) Naphthalene	14.11	128	285082	4.704	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	138360	4.741	ug/L	99

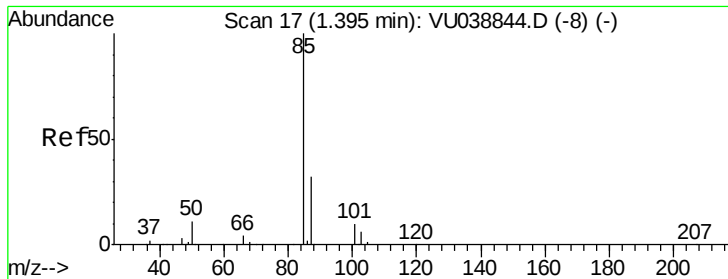
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VU038863.D
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Instrument :
MSVOA_U
ClientSampleId :

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QLast Update : Sat Jun 13 00:56:28 2020
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#2

Dichlorodifluoromethane

Concen: 4.371 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038863.D

Acq: 12 Jun 2020 20:09

Instrument :

MSVOA_U

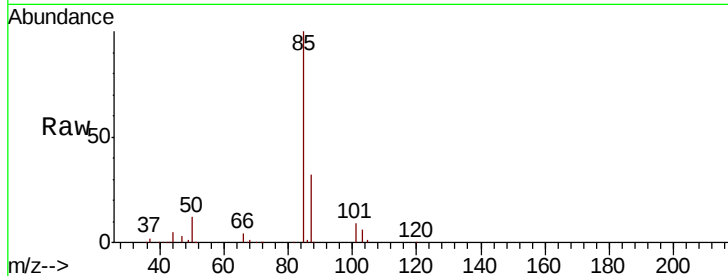
ClientSampleId :

Tot Ion: 85 Resp: 128868

Ion Ratio Lower Upper

85 100

87 32.3 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU038844.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU038863.D (-1) (-)

1.39

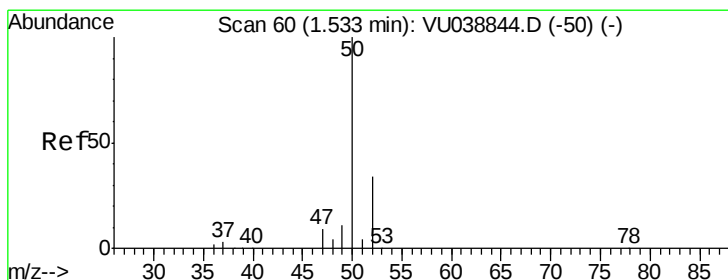
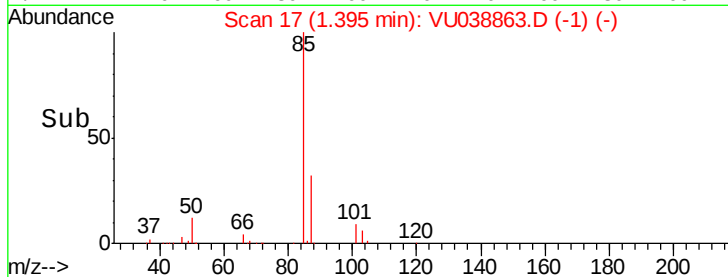
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.435 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU038863.D

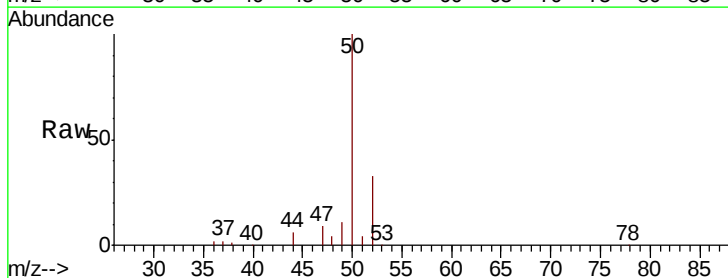
Acq: 12 Jun 2020 20:09

Tgt Ion: 50 Resp: 107847

Ion Ratio Lower Upper

50 100

52 33.3 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VU038844.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU038863.D (-1) (-)

1.53

100000

80000

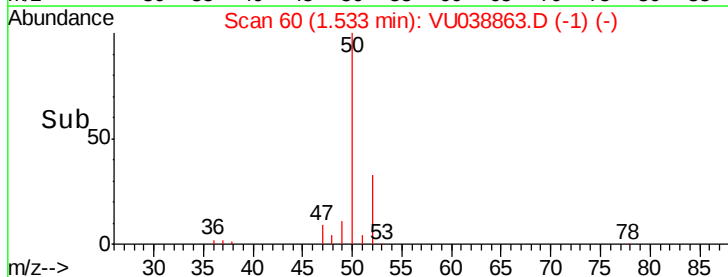
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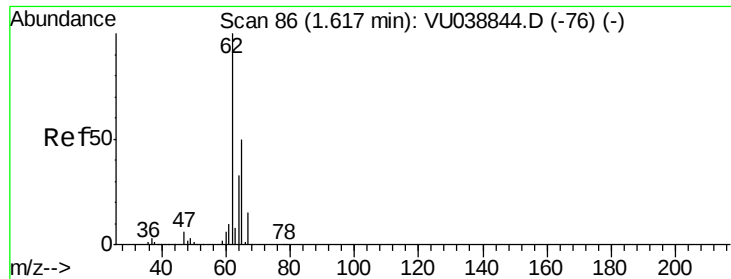
40000

20000

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Time-->





#5

Vinyl chloride

Concen: 4.458 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038863.D

Acq: 12 Jun 2020 20:09

Instrument :

MSVOA_U

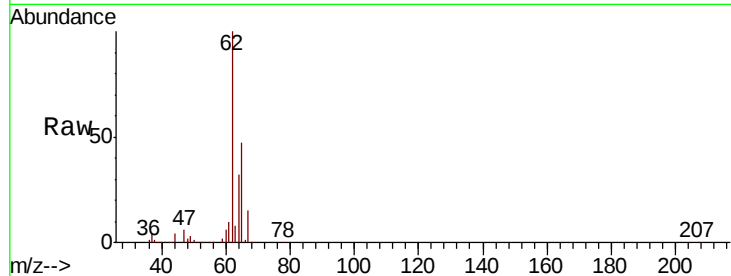
ClientSampleId :

Tot Ion: 62 Resp: 115187

Ion Ratio Lower Upper

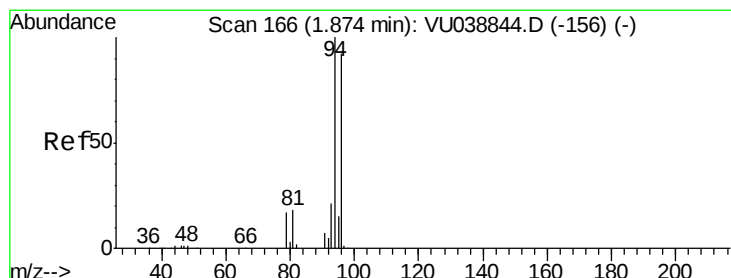
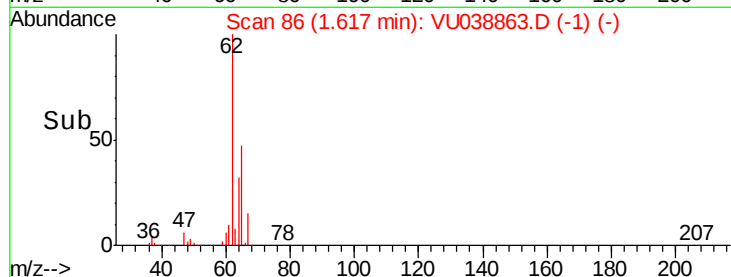
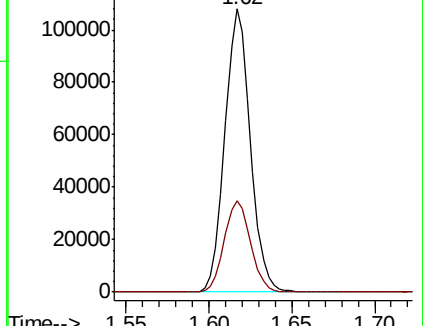
62 100

64 32.3 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VU038844.D (-76) (-)

Ion 64.10 (63.80 to 64.80): VU038863.D (-73) (-)



#6

Bromomethane

Concen: 4.477 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU038863.D

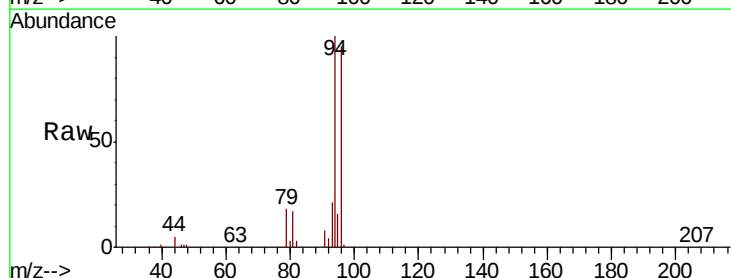
Acq: 12 Jun 2020 20:09

Tgt Ion: 94 Resp: 66373

Ion Ratio Lower Upper

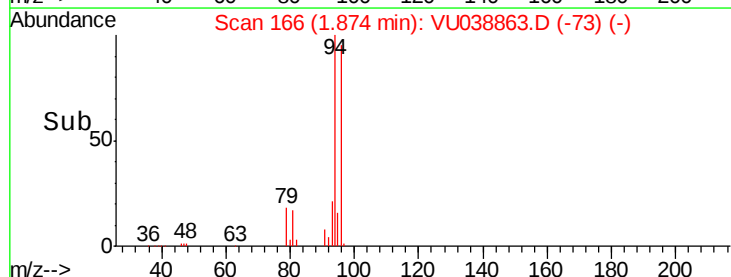
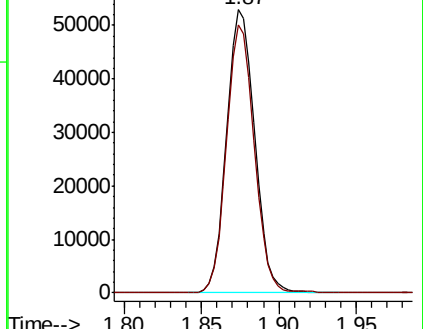
94 100

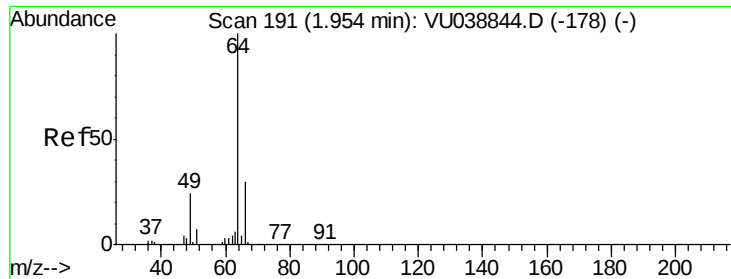
96 94.9 66.8 124.2



Abundance Ion 94.00 (93.70 to 94.70): VU038844.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU038863.D (-73) (-)





#8

Chloroethane

Concen: 4.269 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU038863.D

Acq: 12 Jun 2020 20:09

Instrument :

MSVOA_U

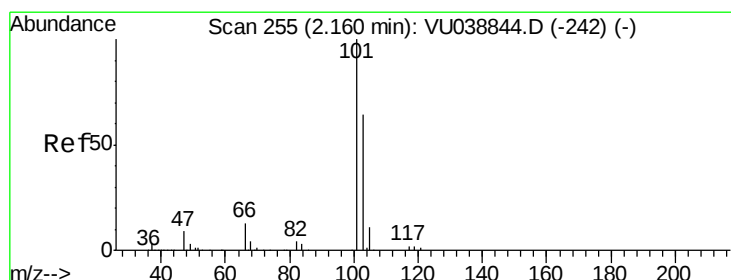
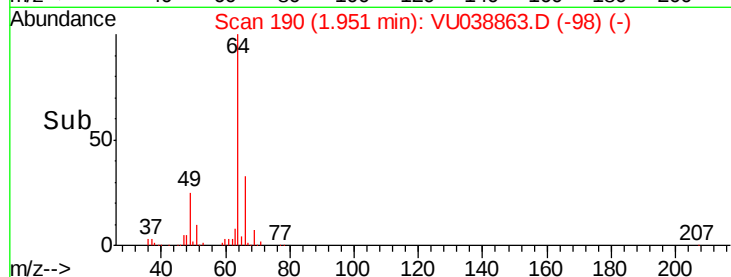
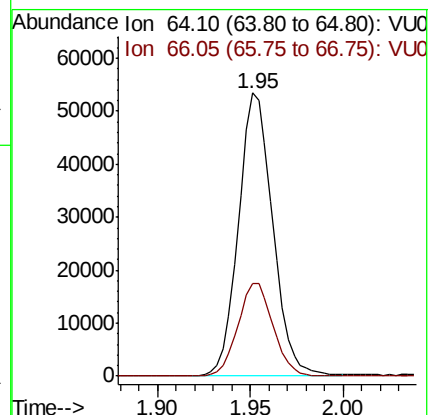
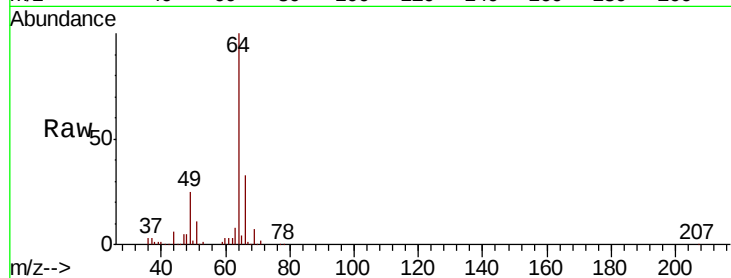
ClientSampleId :

Tot Ion: 64 Resp: 68117

Ion Ratio Lower Upper

64 100

66 32.9 22.9 42.5



#9

Trichlorofluoromethane

Concen: 4.487 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU038863.D

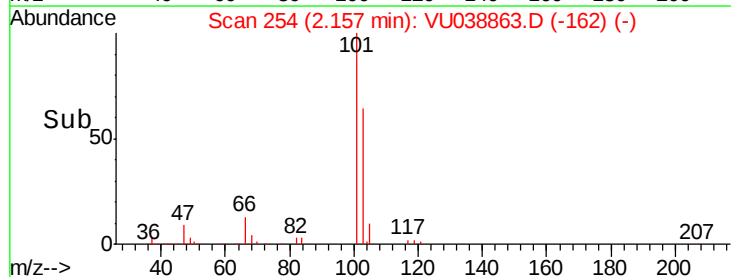
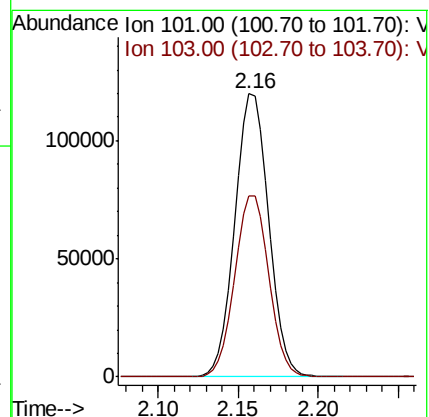
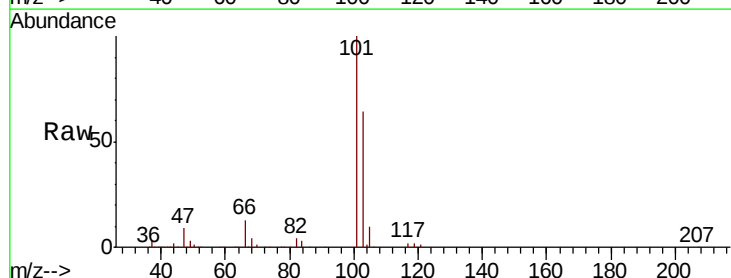
Acq: 12 Jun 2020 20:09

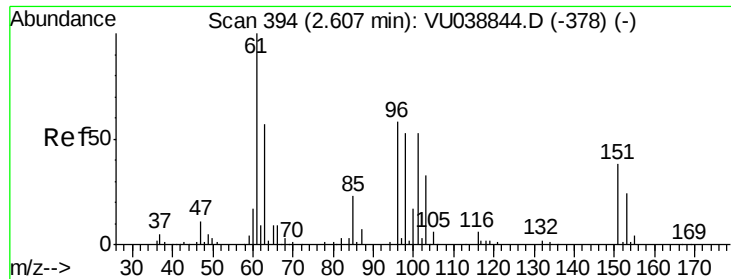
Tgt Ion: 101 Resp: 172042

Ion Ratio Lower Upper

101 100

103 64.6 51.5 77.3





#10

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

Concen: 4.412 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038863.D

Acq: 12 Jun 2020 20:09

Instrument :

MSVOA_U

ClientSampleId :

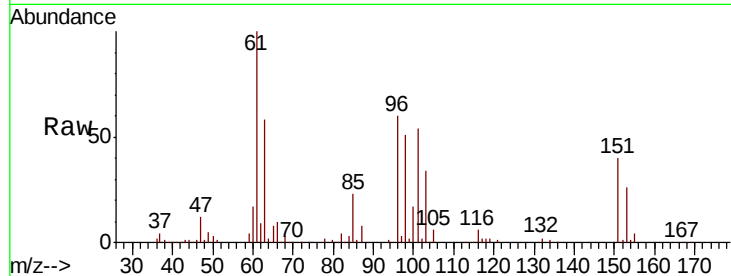
Tot Ion:101 Resp: 96755

Ion Ratio Lower Upper

101 100

85 43.8 34.5 51.7

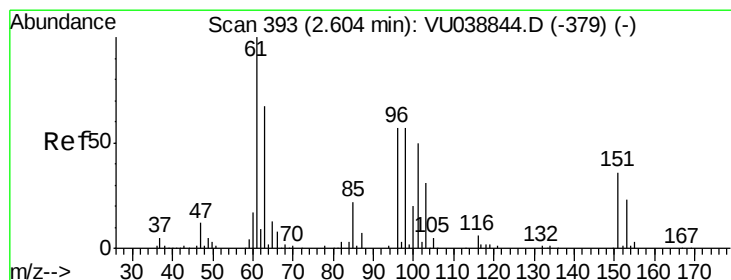
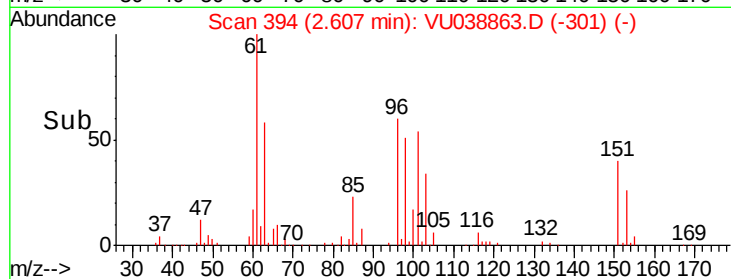
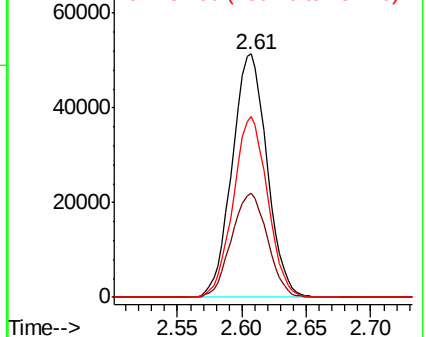
151 73.1 56.5 84.7



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: 4.521 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038863.D

Acq: 12 Jun 2020 20:09

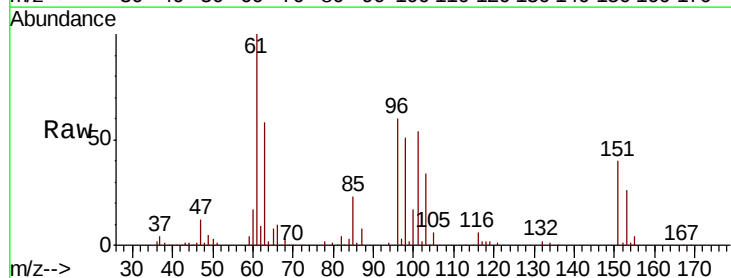
Tgt Ion: 96 Resp: 95832

Ion Ratio Lower Upper

96 100

61 167.9 120.2 223.2

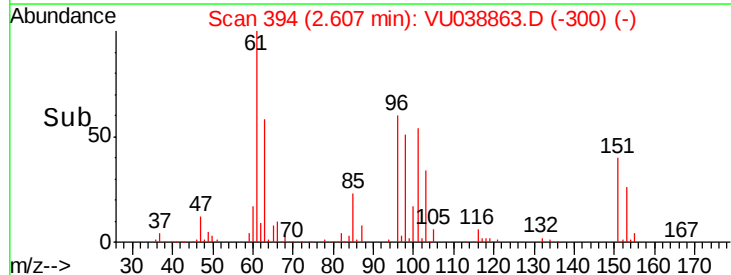
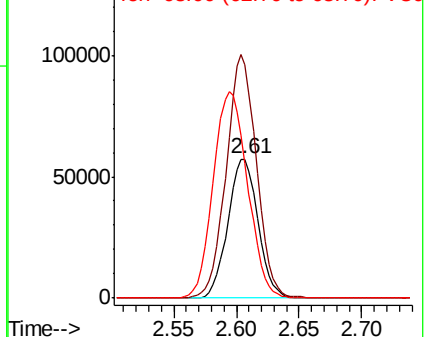
63 96.8 90.1 167.3

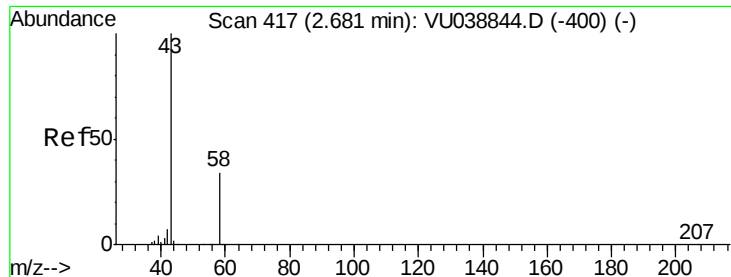


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 47.828 ug/L

RT: 2.68 min Scan# 416

Delta R.T. -0.00 min

Lab File: VU038863.D

Acq: 12 Jun 2020 20:09

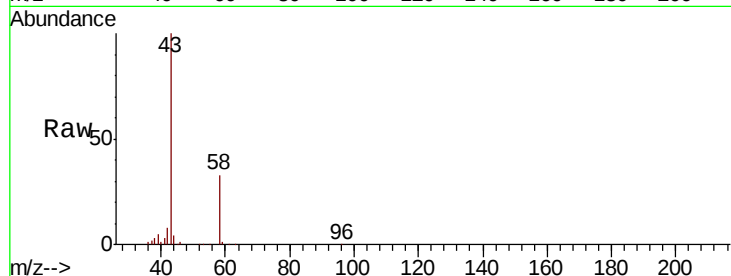
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 200863

Ion Ratio Lower Upper

43 100

58 32.7 0.0 66.0



Abundance Ion 43.05 (42.75 to 43.75): VU038844.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU038844.D (-400) (-)

2.68

60000

50000

40000

30000

20000

10000

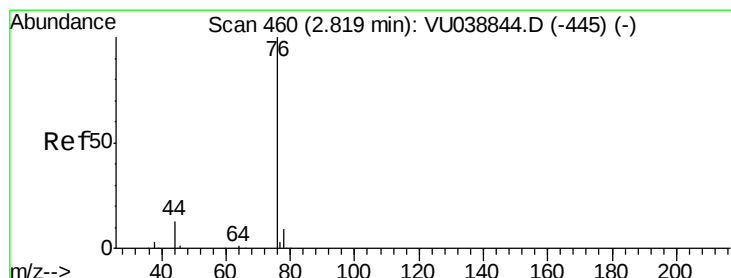
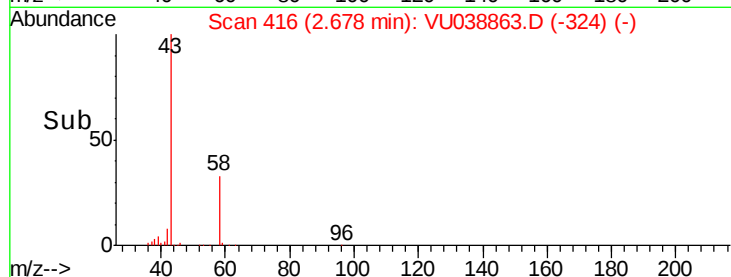
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Time-->

2.60

2.70

2.80



#14

Carbon disulfide

Concen: 4.321 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU038863.D

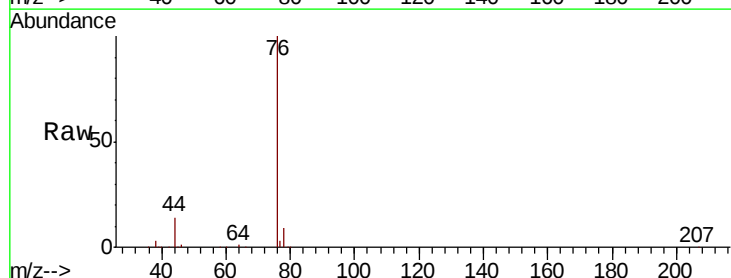
Acq: 12 Jun 2020 20:09

Tgt Ion: 76 Resp: 311773

Ion Ratio Lower Upper

76 100

78 9.4 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VU038844.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU038844.D (-445) (-)

2.82

200000

150000

100000

50000

0

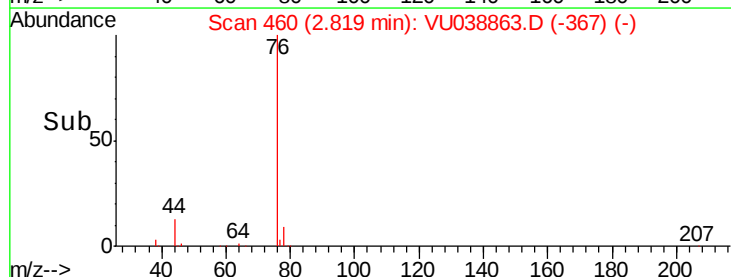
Time-->

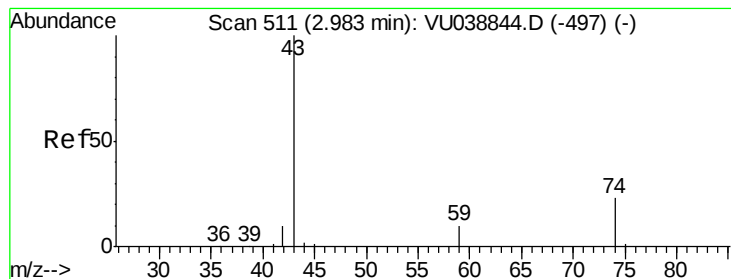
2.75

2.80

2.85

2.90





#15

Methvl Acetate

Concen: 4.855 ug/L

RT: 2.99 min Scan# 512

Delta R.T. 0.00 min

Lab File: VU038863.D

Acq: 12 Jun 2020 20:09

Instrument :

MSVOA_U

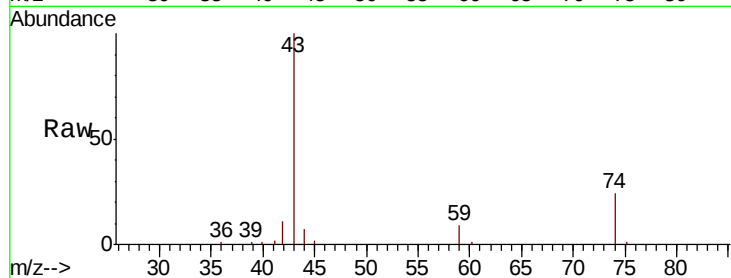
ClientSampleId :

Tot Ion: 43 Resp: 49811

Ion Ratio Lower Upper

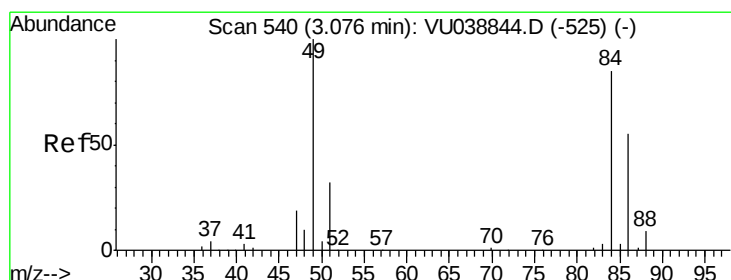
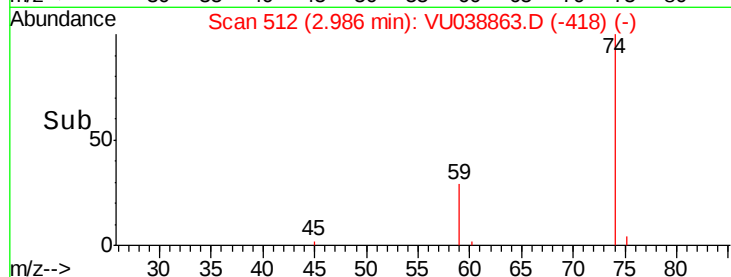
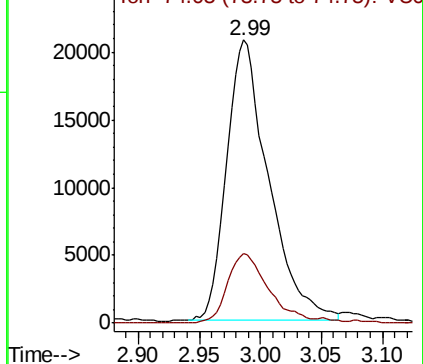
43 100

74 24.0 21.0 31.4



Abundance Ion 43.05 (42.75 to 43.75): VU038844.D (-497) (-)

Ion 74.05 (73.75 to 74.75): VU038844.D (-497) (-)



#16

Methylene chloride

Concen: 4.688 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU038863.D

Acq: 12 Jun 2020 20:09

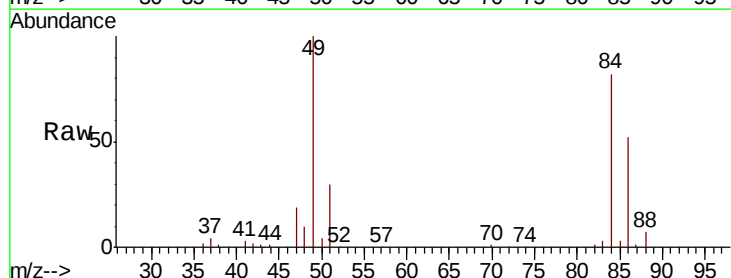
Tgt Ion: 84 Resp: 114237

Ion Ratio Lower Upper

84 100

86 63.8 43.0 80.0

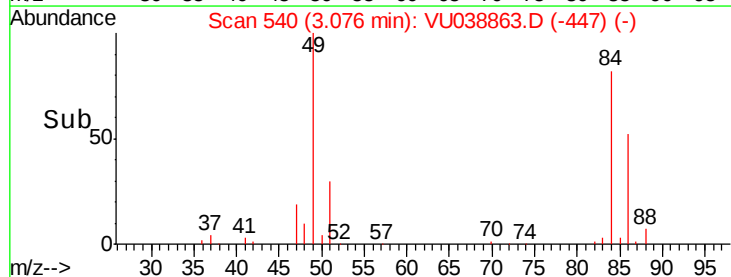
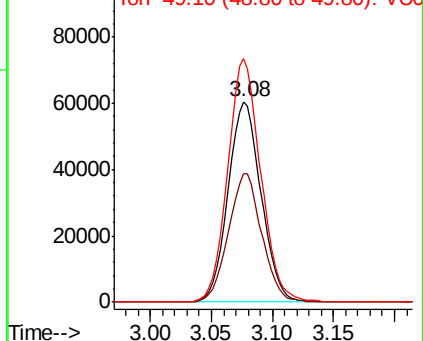
49 121.5 85.0 157.8

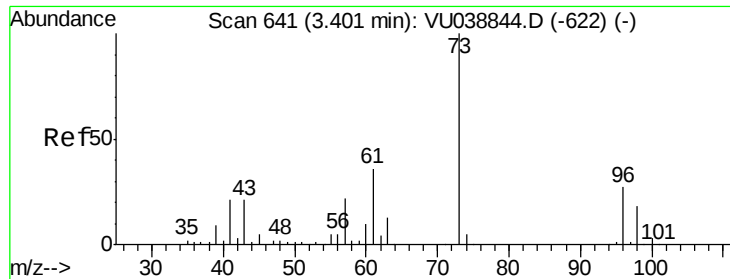


Abundance Ion 84.05 (83.75 to 84.75): VU038844.D (-525) (-)

Ion 86.00 (85.70 to 86.70): VU038844.D (-525) (-)

Ion 49.10 (48.80 to 49.80): VU038844.D (-525) (-)

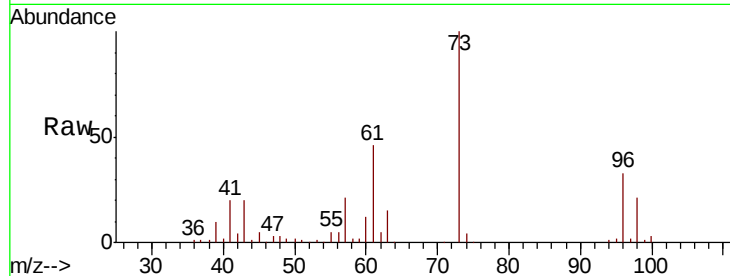




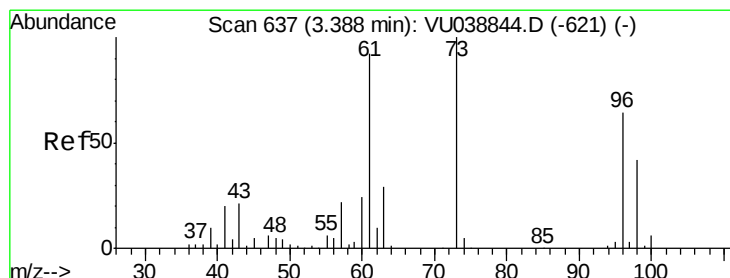
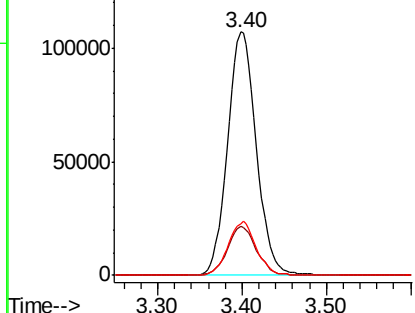
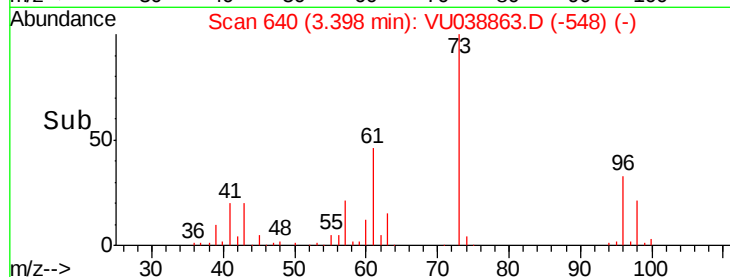
#17
Methvl tert-butvl Ether
Concen: 4.641 ug/L
RT: 3.40 min Scan# 640
Delta R.T. -0.00 min
Lab File: VU038863.D
Acq: 12 Jun 2020 20:09

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 73 Resp: 253420
Ion Ratio Lower Upper
73 100
43 19.9 15.9 23.9
57 21.6 17.5 26.3

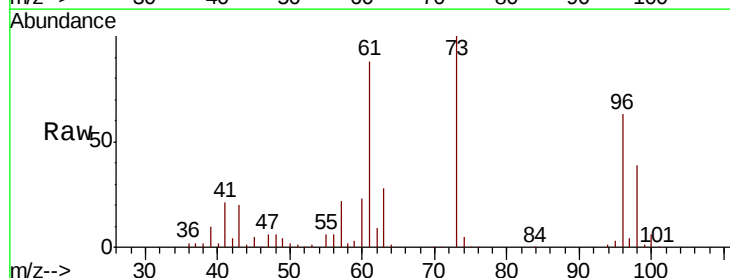


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

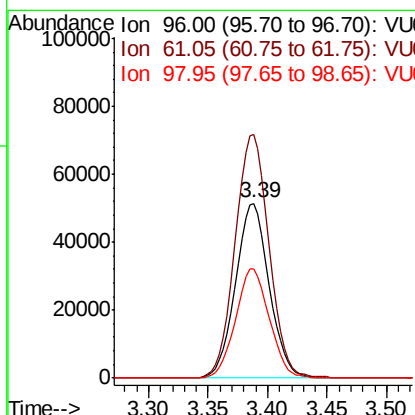
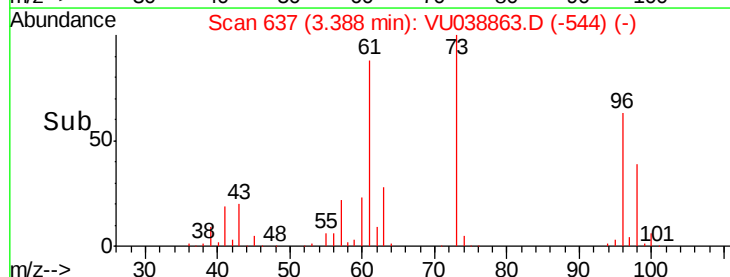


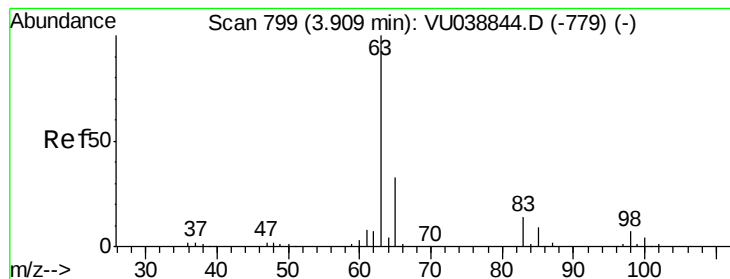
#18
trans-1,2-Dichloroethene
Concen: 4.434 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU038863.D
Acq: 12 Jun 2020 20:09

Tgt Ion: 96 Resp: 100898
Ion Ratio Lower Upper
96 100
61 139.3 99.3 184.5
98 62.3 43.9 81.5



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

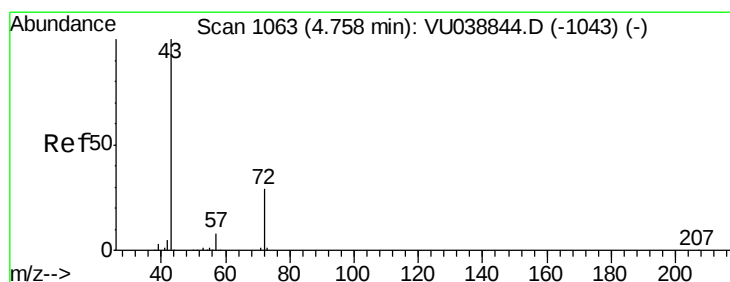
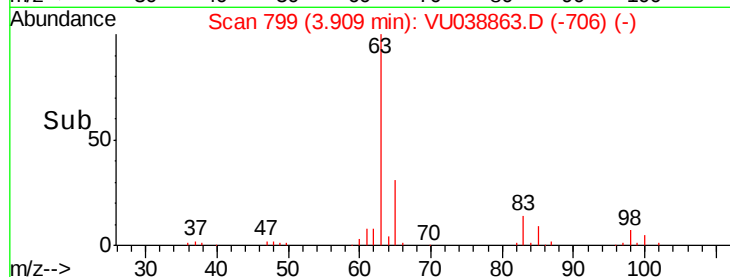
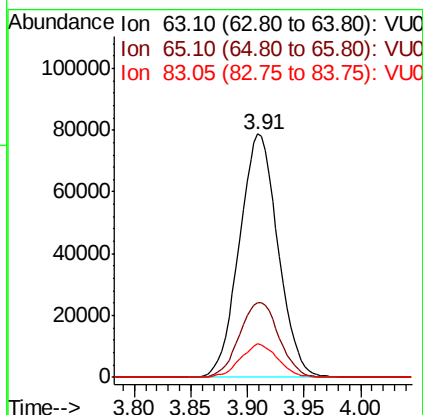
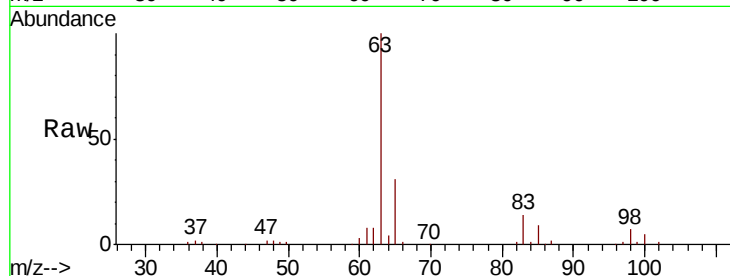




#19
 1,1-Dichloroethane
 Concen: 4.570 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU038863.D
 Acq: 12 Jun 2020 20:09

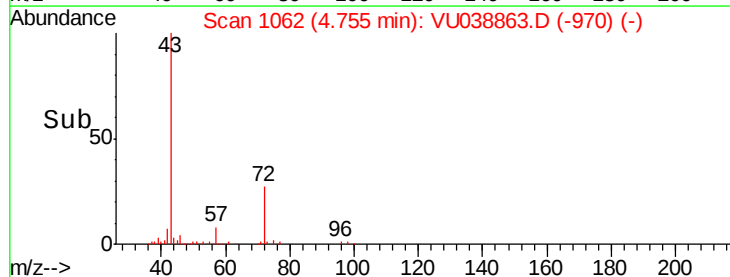
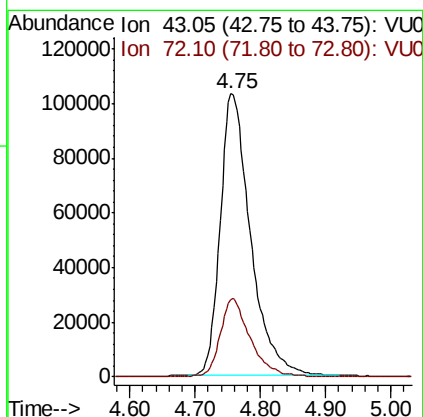
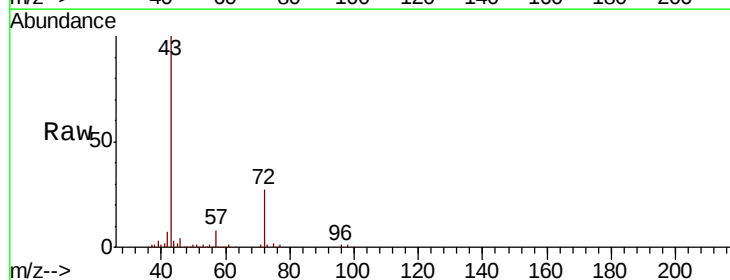
Instrument :
 MSVOA_U
 ClientSampleId :

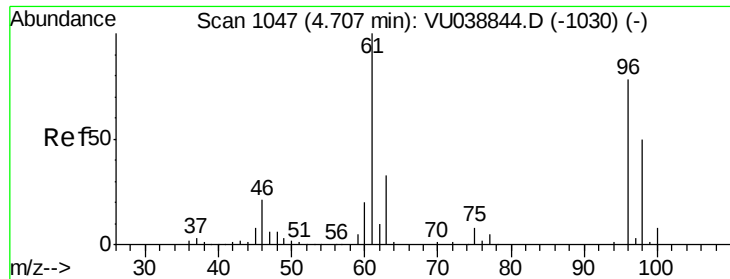
Tot Ion: 63 Resp: 187193
 Ion Ratio Lower Upper
 63 100
 65 30.6 22.3 41.5
 83 13.7 10.1 18.9



#21
 2-Butanone
 Concen: 48.093 ug/L
 RT: 4.75 min Scan# 1062
 Delta R.T. -0.00 min
 Lab File: VU038863.D
 Acq: 12 Jun 2020 20:09

Tgt Ion: 43 Resp: 331779
 Ion Ratio Lower Upper
 43 100
 72 27.8 14.2 42.8



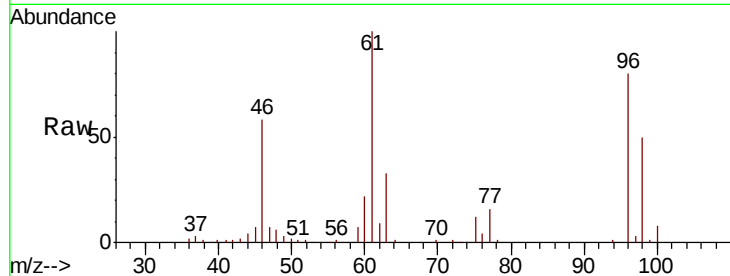


#22

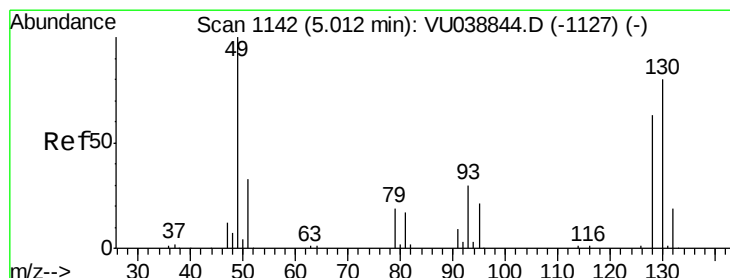
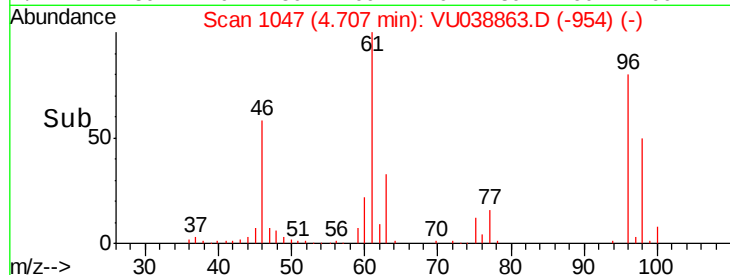
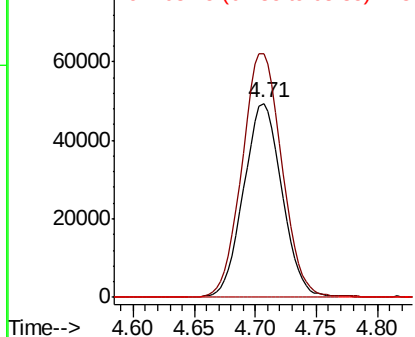
cis-1,2-Dichloroethene
Concen: 4.534 ug/L
RT: 4.71 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU038863.D
Acq: 12 Jun 2020 20:09

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 107464
Ion Ratio Lower Upper
96 100
61 125.4 89.7 166.7
68 0.0 0.0 0.0



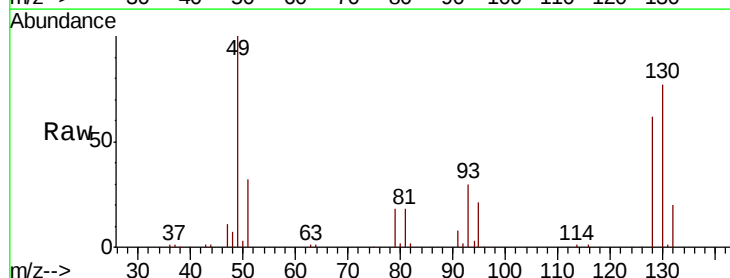
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



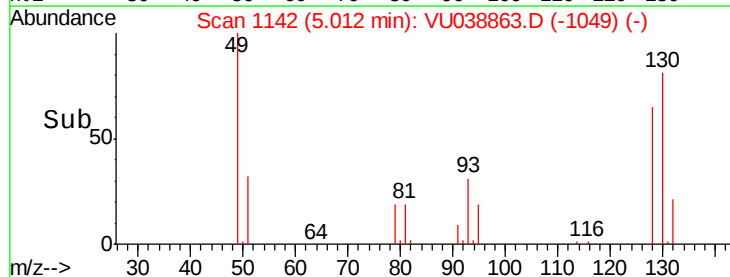
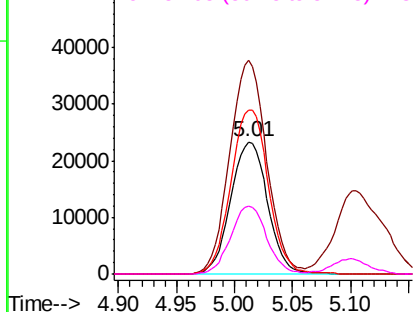
#23

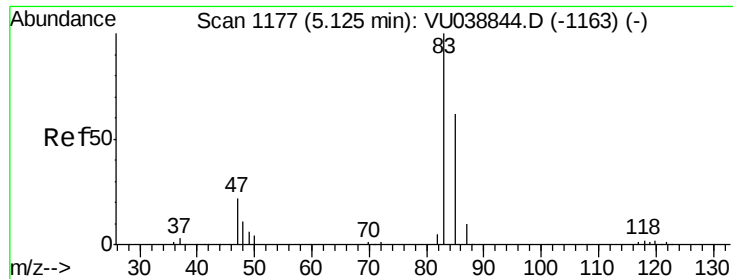
Bromochloromethane
Concen: 4.640 ug/L
RT: 5.01 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VU038863.D
Acq: 12 Jun 2020 20:09

Tgt Ion: 128 Resp: 51557
Ion Ratio Lower Upper
128 100
49 161.6 110.8 205.8
130 123.6 86.6 160.8
51 51.1 42.3 63.5



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0

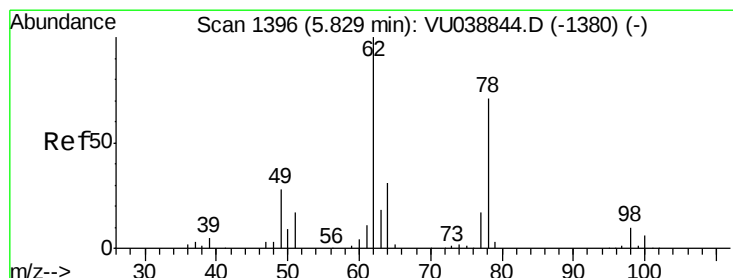
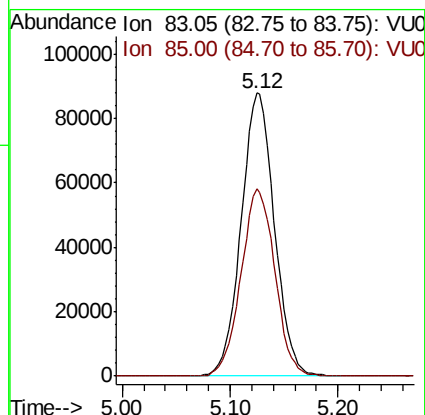
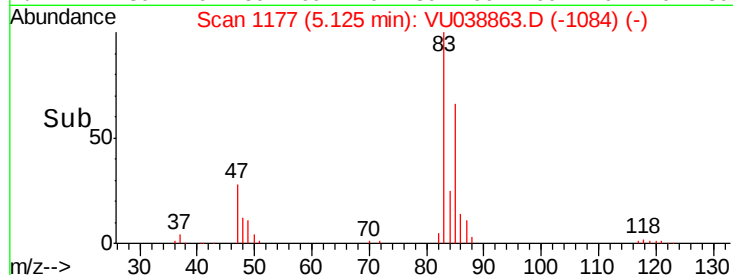
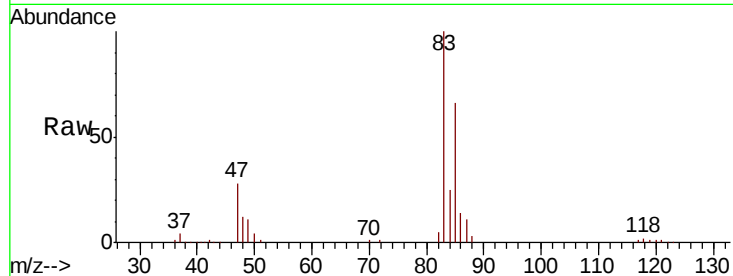




#25
Chloroform
Concen: 4.477 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU038863.D
Acq: 12 Jun 2020 20:09

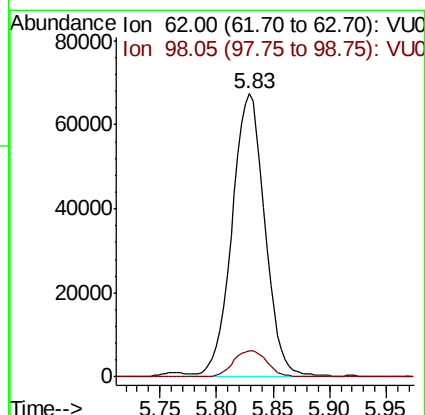
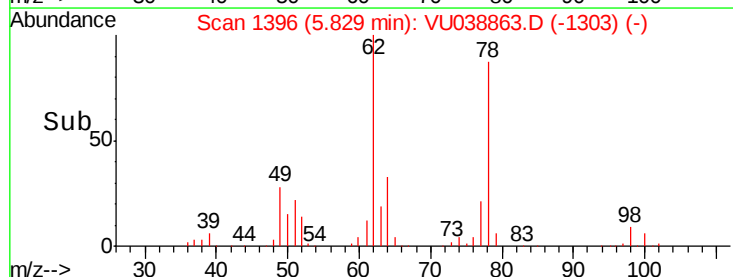
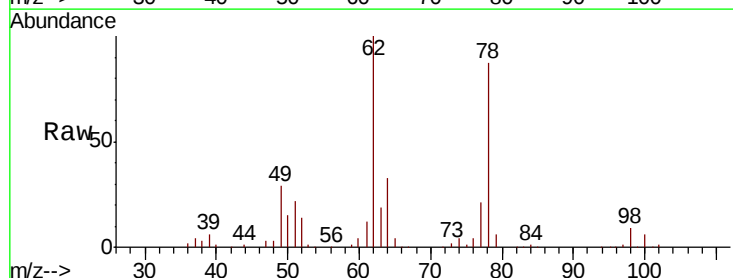
Instrument :
MSVOA_U
ClientSampleId :

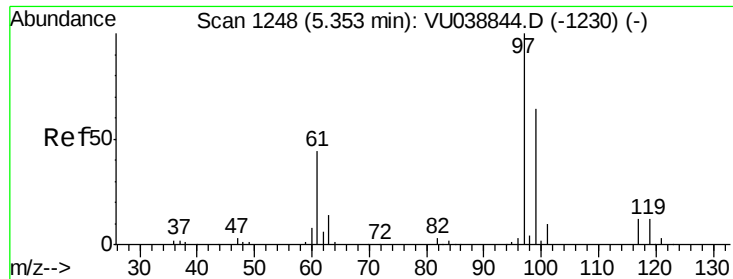
Tot Ion: 83 Resp: 189067
Ion Ratio Lower Upper
83 100
85 66.2 44.1 81.9



#27
1,2-Dichloroethane
Concen: 4.601 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU038863.D
Acq: 12 Jun 2020 20:09

Tgt Ion: 62 Resp: 135456
Ion Ratio Lower Upper
62 100
98 9.1 8.2 12.4

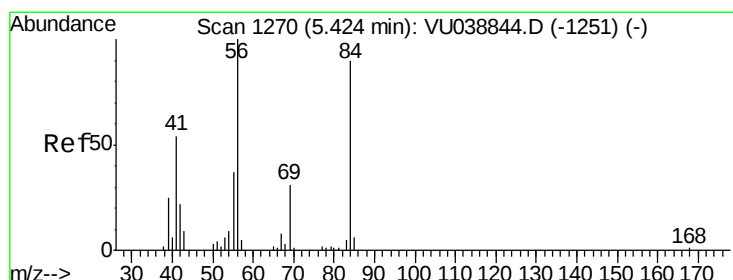
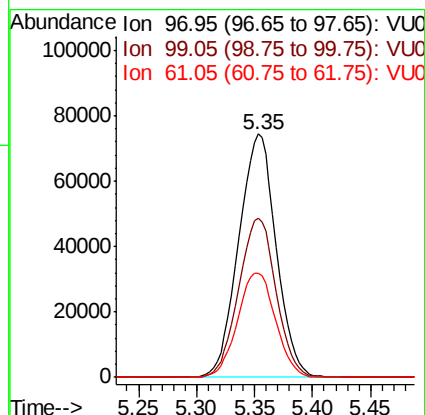
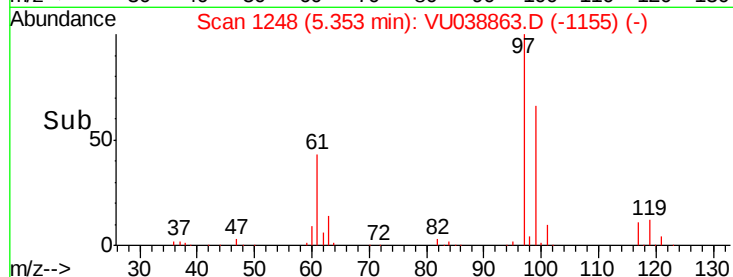
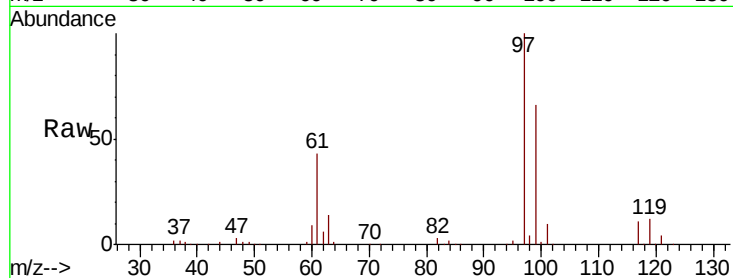




#29
 1,1,1-Trichloroethane
 Concen: 4.481 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU038863.D
 Acq: 12 Jun 2020 20:09

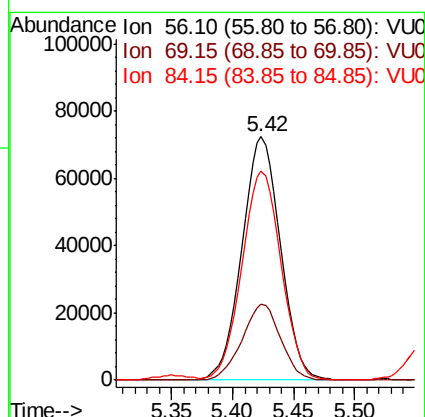
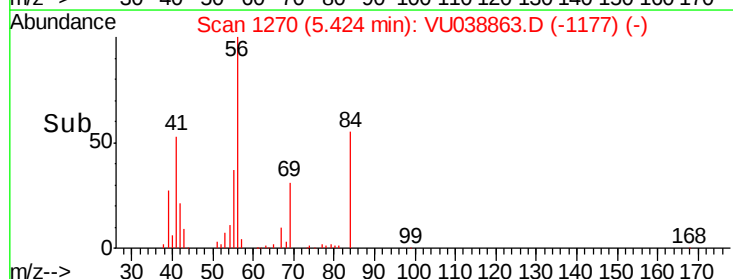
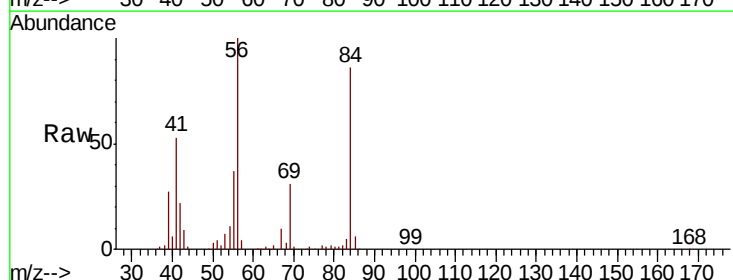
Instrument :
 MSVOA_U
 ClientSampled :

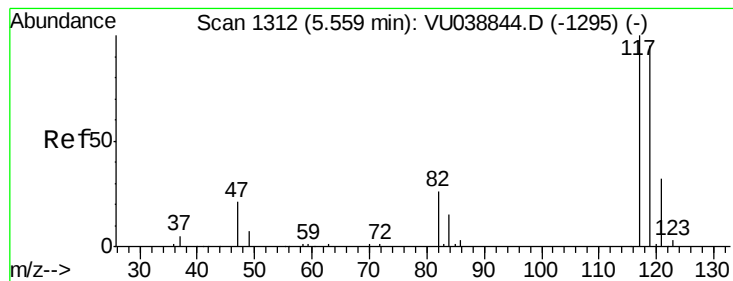
Tot Ion: 97 Resp: 166794
 Ion Ratio Lower Upper
 97 100
 99 65.6 52.1 78.1
 61 43.5 35.9 53.9



#30
 Cyclohexane
 Concen: 4.380 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU038863.D
 Acq: 12 Jun 2020 20:09

Tgt Ion: 56 Resp: 157999
 Ion Ratio Lower Upper
 56 100
 69 31.2 25.1 37.7
 84 86.9 69.5 104.3





#31

Carbon tetrachloride

Concen: 4.414 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU038863.D

Acq: 12 Jun 2020 20:09

Instrument :

MSVOA_U

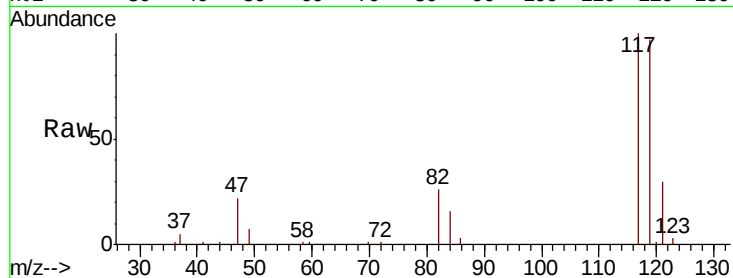
ClientSampleId :

Tot Ion:117 Resp: 138703

Ion Ratio Lower Upper

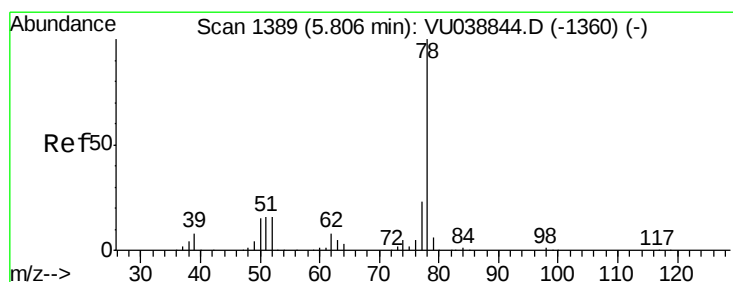
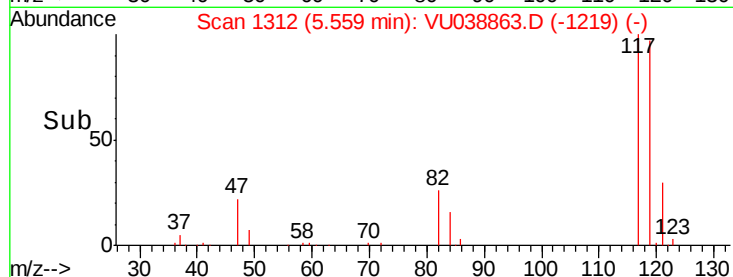
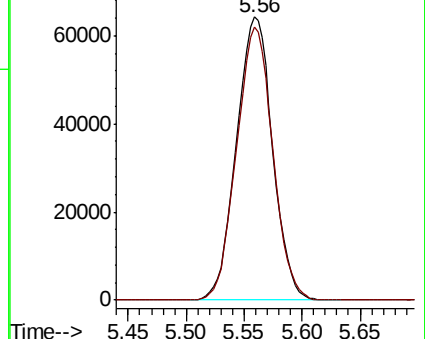
117 100

119 96.6 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.556 ug/L

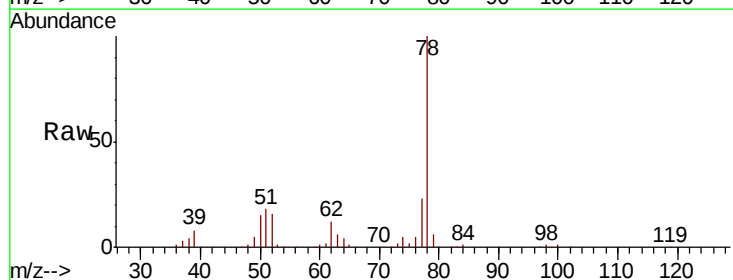
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

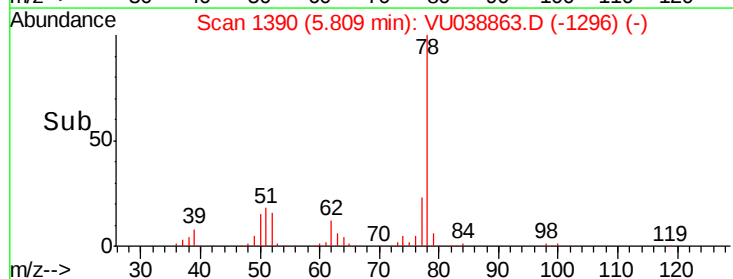
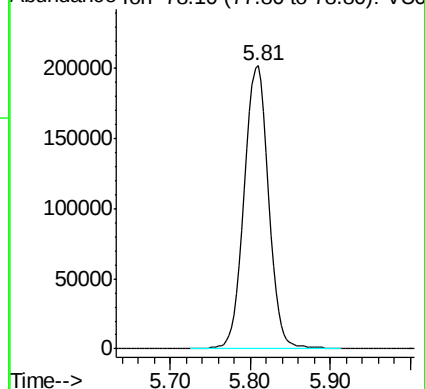
Lab File: VU038863.D

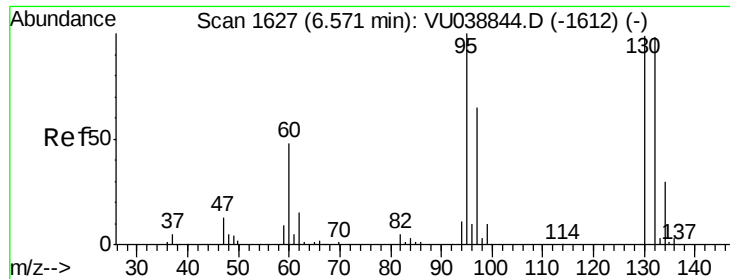
Acq: 12 Jun 2020 20:09

Tgt Ion: 78 Resp: 415193



Abundance Ion 78.10 (77.80 to 78.80): VU0

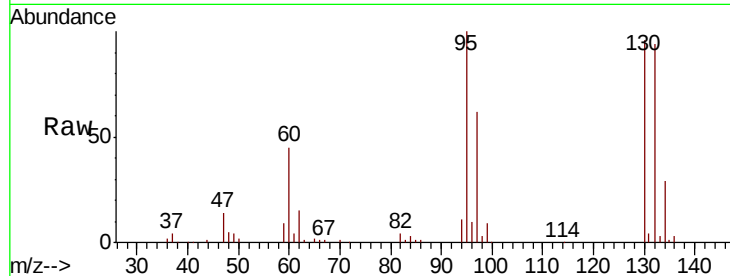




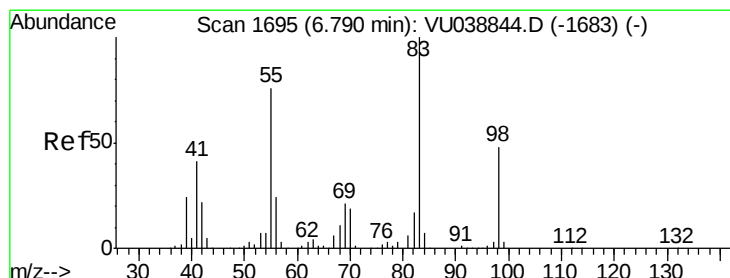
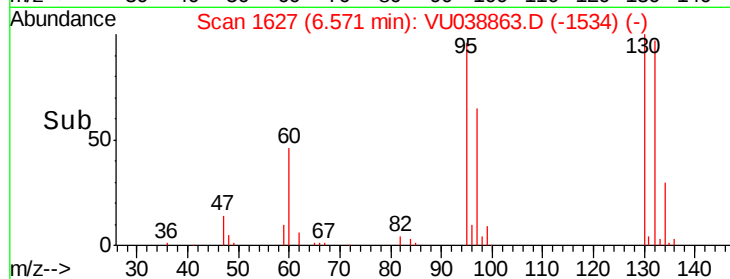
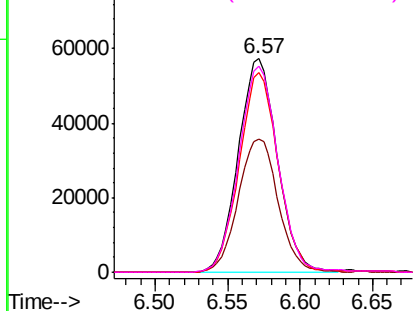
#34
 Trichloroethene
 Concen: 4.527 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU038863.D
 Acq: 12 Jun 2020 20:09

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 107730
 Ion Ratio Lower Upper
 95 100
 97 62.4 46.1 85.5
 132 93.7 67.5 125.3
 130 96.4 66.7 123.9

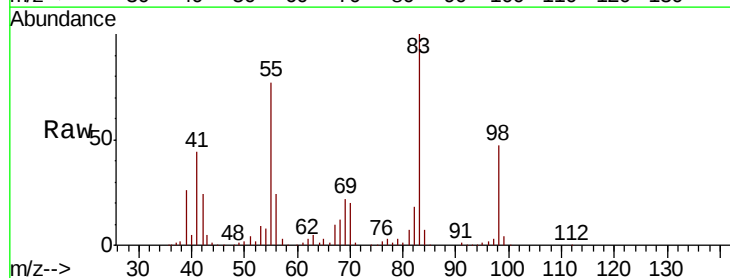


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

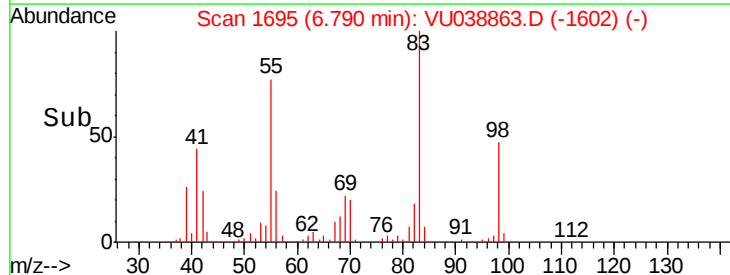
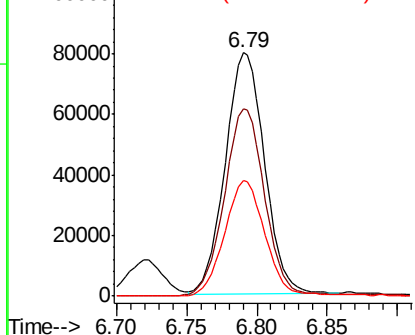


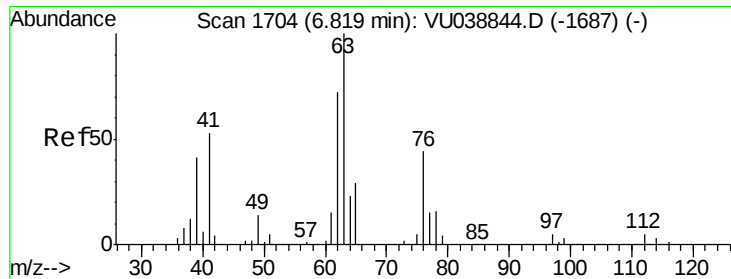
#35
 Methylcyclohexane
 Concen: 4.204 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU038863.D
 Acq: 12 Jun 2020 20:09

Tgt Ion: 83 Resp: 155558
 Ion Ratio Lower Upper
 83 100
 55 80.3 64.2 96.2
 98 49.1 40.5 60.7



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

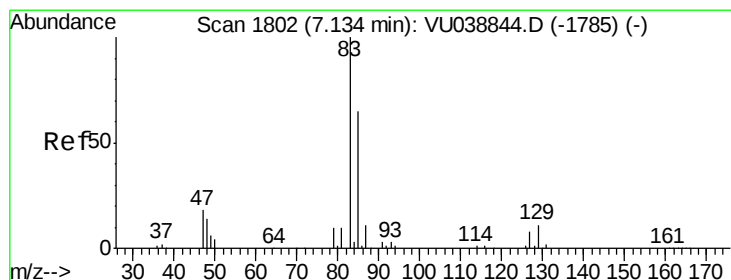
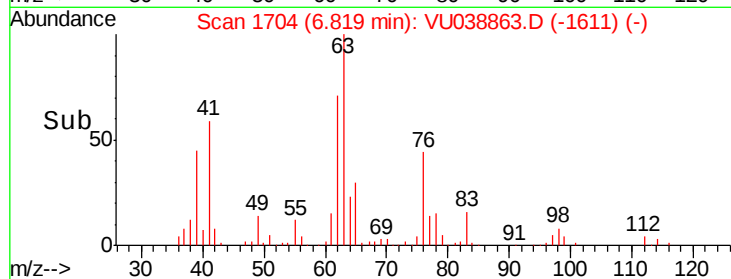
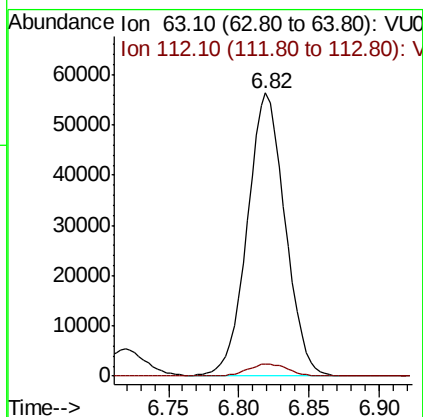
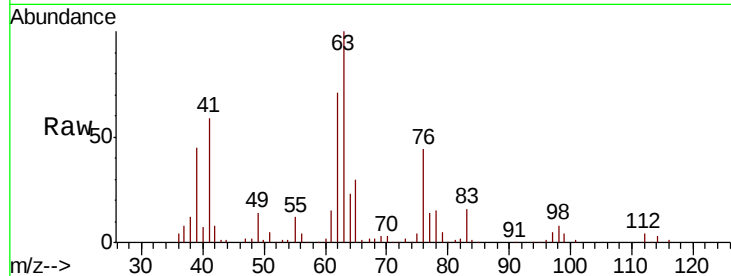




#37
 1,2-Dichloropropane
 Concen: 4.577 ug/L
 RT: 6.82 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: VU038863.D
 Acq: 12 Jun 2020 20:09

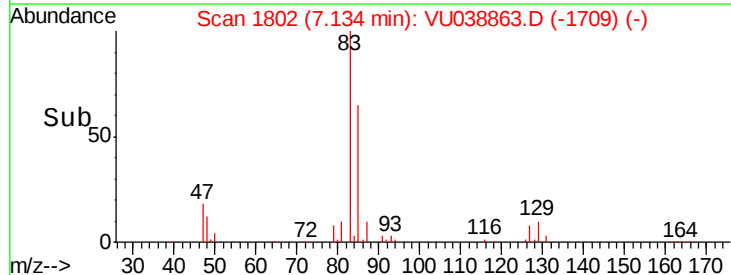
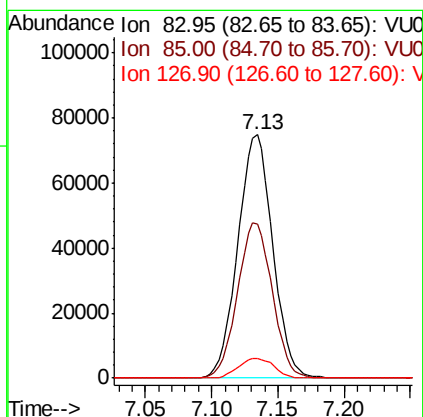
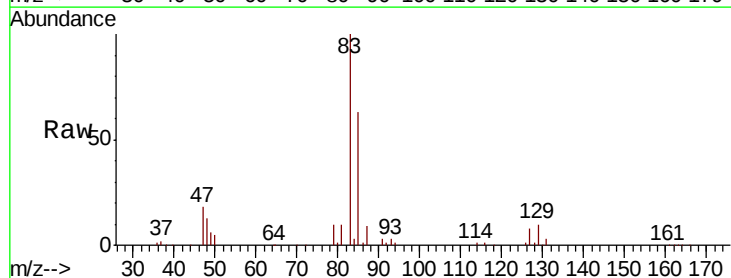
Instrument :
 MSVOA_U
 ClientSampleId :

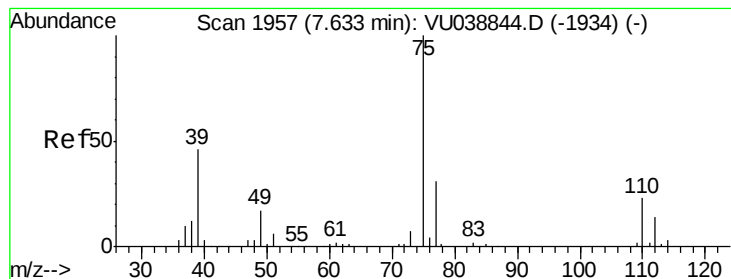
Tot Ion: 63 Resp: 105073
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.8 5.6



#38
 Bromodichloromethane
 Concen: 4.601 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VU038863.D
 Acq: 12 Jun 2020 20:09

Tgt Ion: 83 Resp: 137023
 Ion Ratio Lower Upper
 83 100
 85 63.5 45.3 84.1
 127 8.2 7.1 10.7



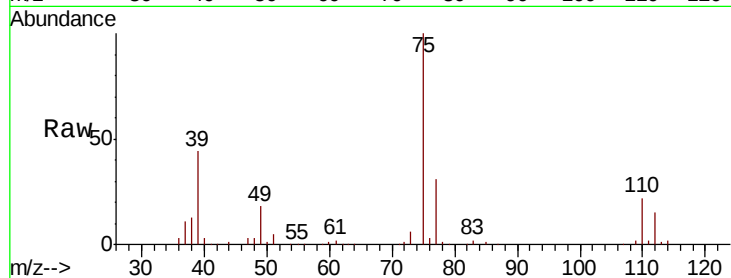


#39

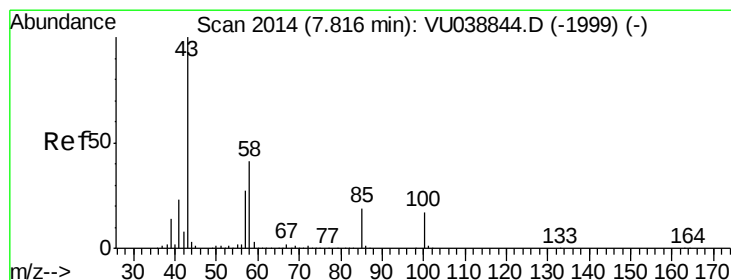
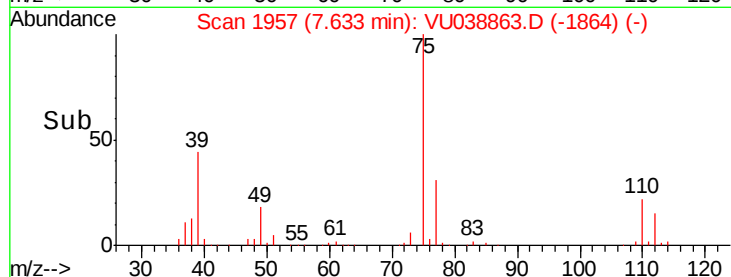
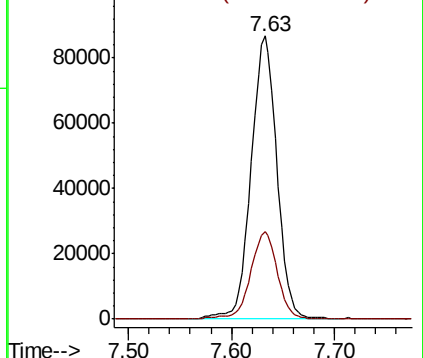
cis-1,3-Dichloropropene
Concen: 4.421 ug/L
RT: 7.63 min Scan# 1957
Delta R.T. -0.00 min
Lab File: VU038863.D
Acq: 12 Jun 2020 20:09

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 150448
Ion Ratio Lower Upper
75 100
77 30.7 22.4 41.6



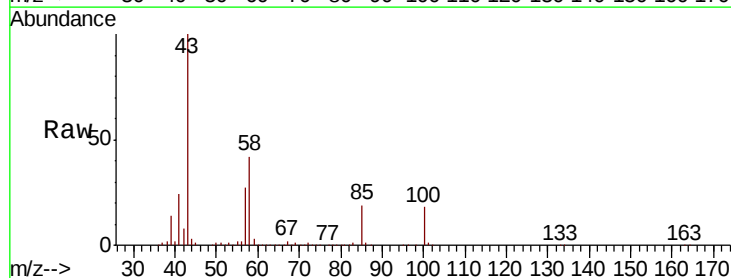
Abundance Ion 75.05 (74.75 to 75.75): VU0
Ion 77.05 (76.75 to 77.75): VU0



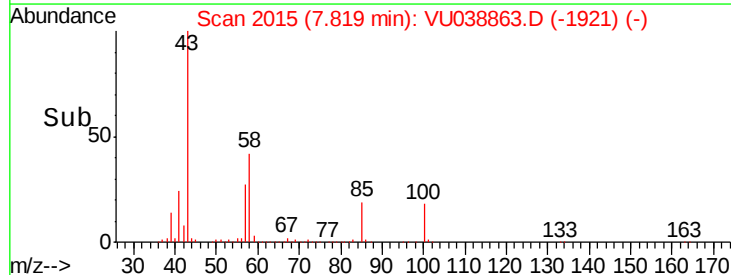
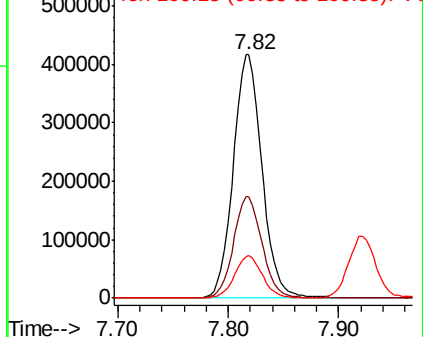
#40

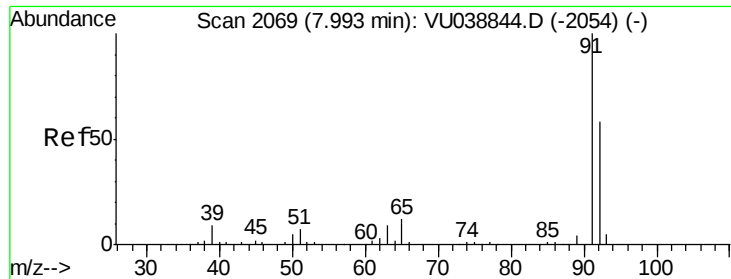
4-Methyl-2-pentanone
Concen: 48.997 ug/L
RT: 7.82 min Scan# 2015
Delta R.T. 0.00 min
Lab File: VU038863.D
Acq: 12 Jun 2020 20:09

Tgt Ion: 43 Resp: 752843
Ion Ratio Lower Upper
43 100
58 41.3 33.4 50.0
100 17.0 13.5 20.3



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 100.15 (99.85 to 100.85): VU0





#42

Toluene

Concen: 4.470 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038863.D

Acq: 12 Jun 2020 20:09

Instrument :

MSVOA_U

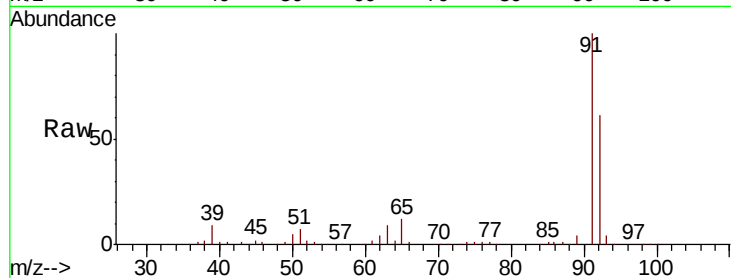
ClientSampleId :

Tot Ion: 91 Resp: 430059

Ion Ratio Lower Upper

91 100

92 61.0 42.4 78.6



Abundance Ion 91.15 (90.85 to 91.85): VU038844.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU038863.D (-1976) (-)

7.99

250000

200000

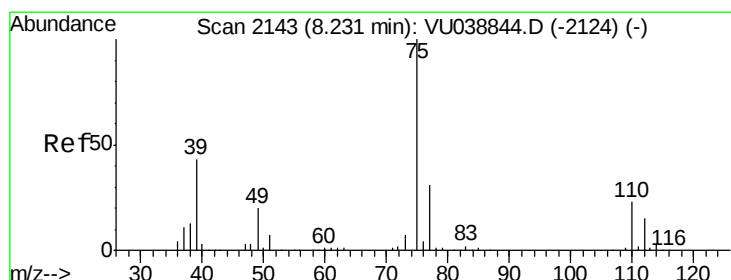
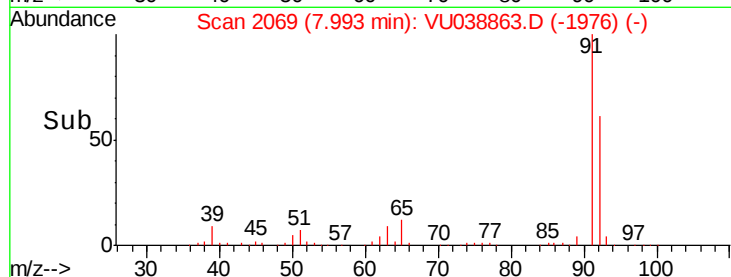
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.404 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VU038863.D

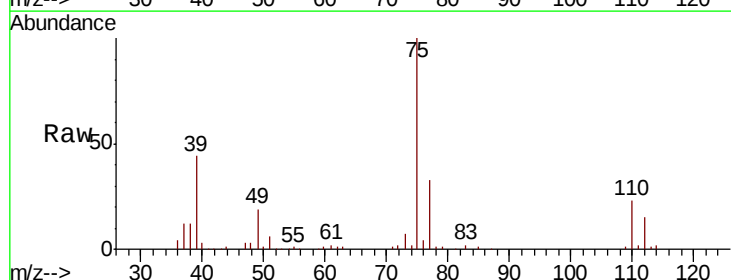
Acq: 12 Jun 2020 20:09

Tgt Ion: 75 Resp: 133485

Ion Ratio Lower Upper

75 100

77 32.6 21.9 40.7



Abundance Ion 75.05 (74.75 to 75.75): VU038844.D (-2124) (-)

Ion 77.05 (76.75 to 77.75): VU038863.D (-2050) (-)

8.23

80000

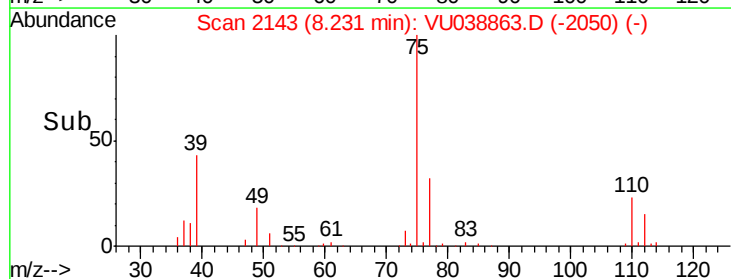
60000

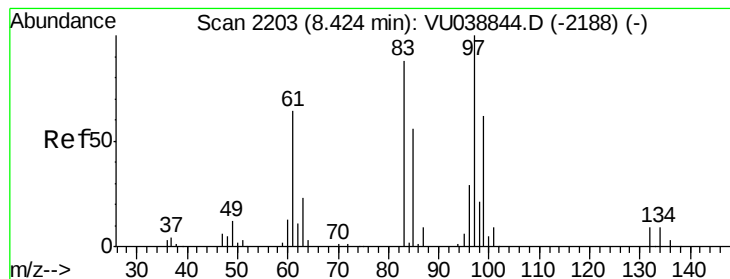
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.673 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. -0.00 min

Lab File: VU038863.D

Acq: 12 Jun 2020 20:09

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 81828

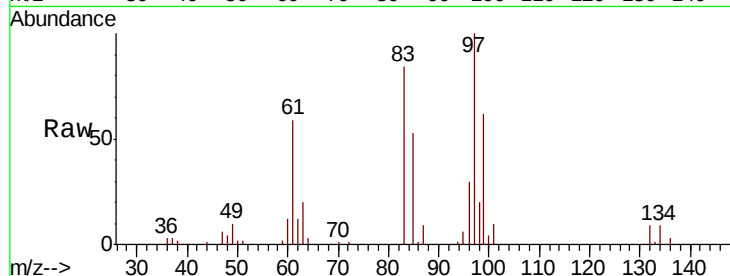
Ion Ratio Lower Upper

97 100

99 61.5 42.9 79.7

83 84.1 58.0 107.8

85 53.0 39.3 72.9

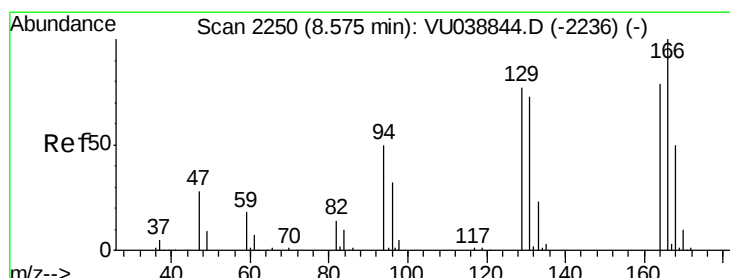
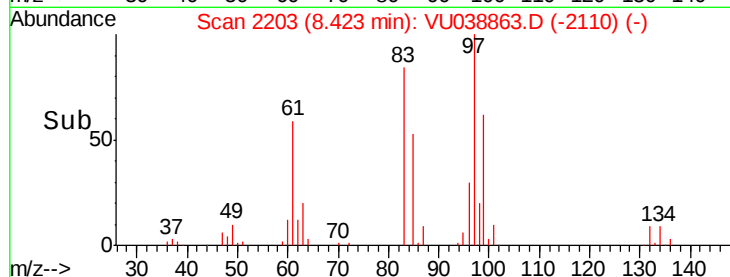
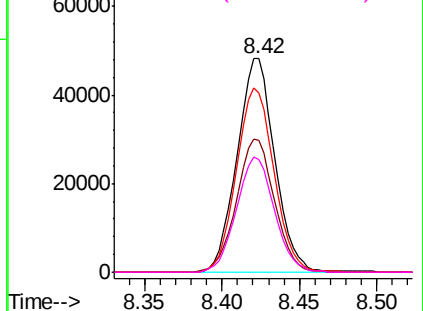


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 4.284 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.00 min

Lab File: VU038863.D

Acq: 12 Jun 2020 20:09

Tgt Ion:164 Resp: 78486

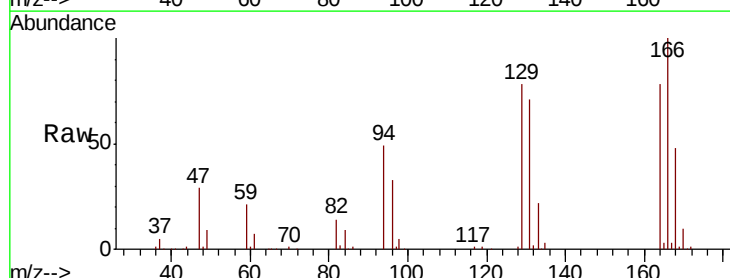
Ion Ratio Lower Upper

164 100

129 101.0 67.3 124.9

131 91.9 65.0 120.6

166 128.6 91.0 169.0

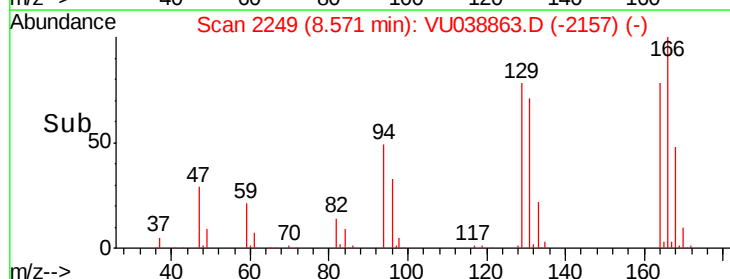
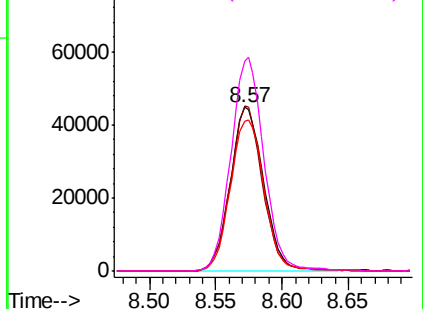


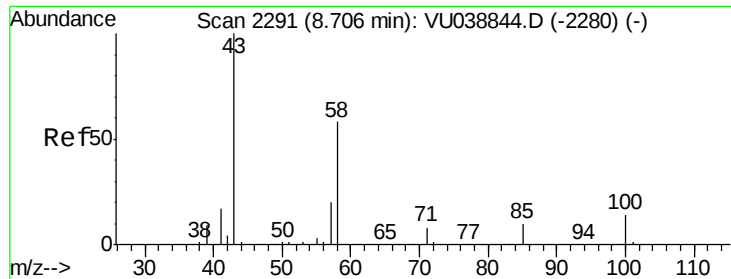
Abundance Ion 163.90 (163.60 to 164.60): V

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

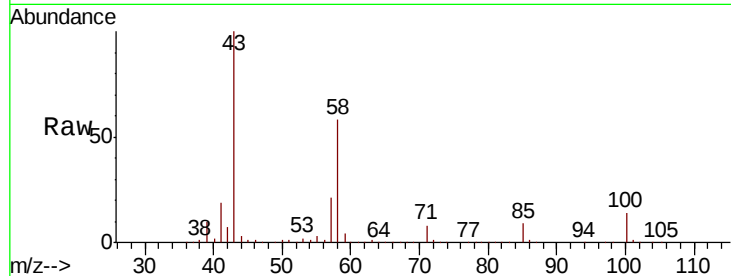




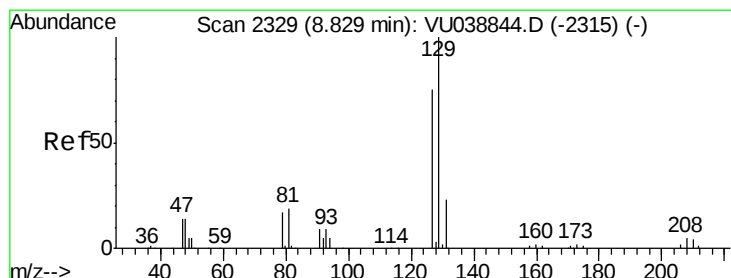
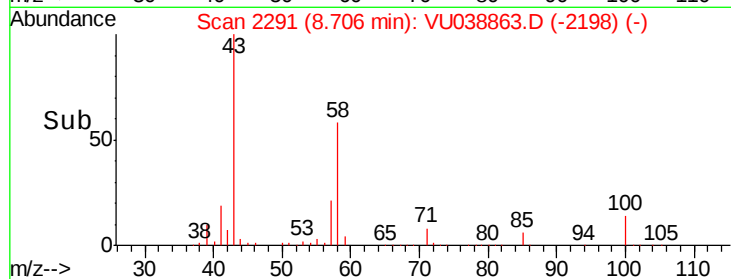
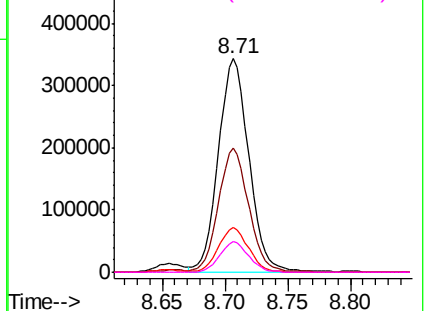
#48
2-Hexanone
Concen: 48.840 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038863.D
Acq: 12 Jun 2020 20:09

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 576466
Ion Ratio Lower Upper
43 100
58 57.7 44.8 67.2
57 20.4 16.2 24.2
100 13.7 10.6 16.0

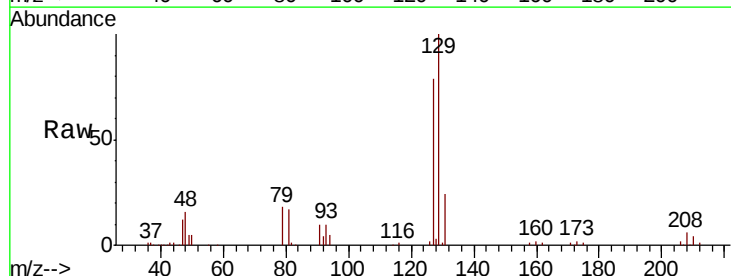


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

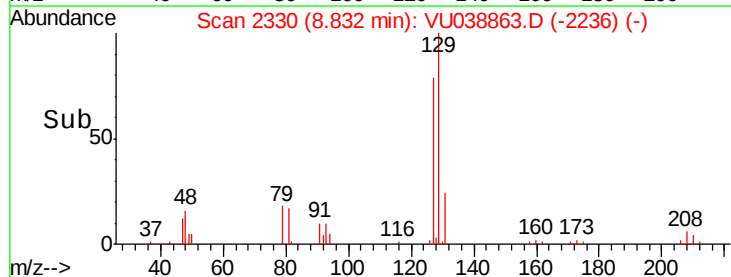
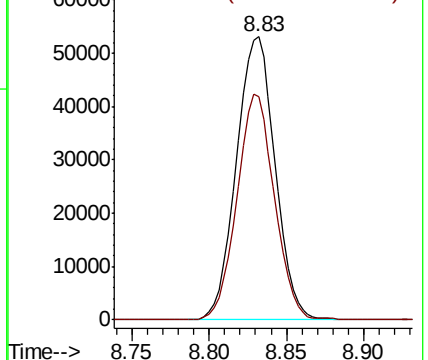


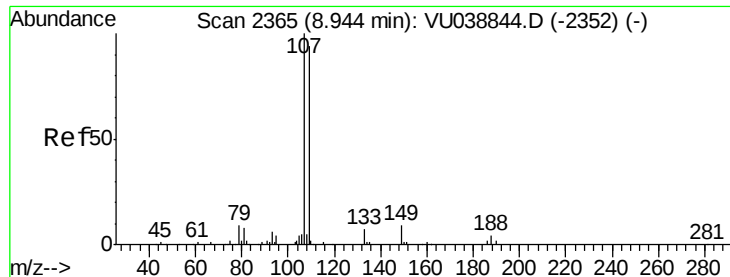
#49
Dibromochloromethane
Concen: 4.727 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU038863.D
Acq: 12 Jun 2020 20:09

Tgt Ion:129 Resp: 92400
Ion Ratio Lower Upper
129 100
127 78.7 55.5 103.1



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

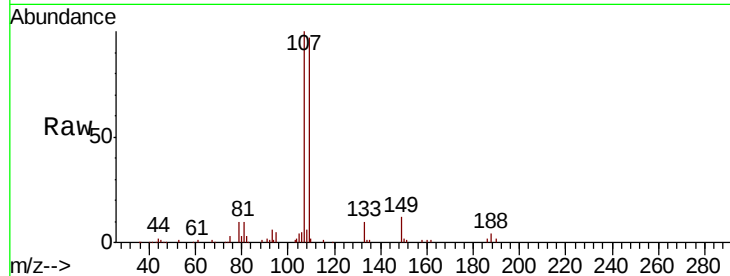




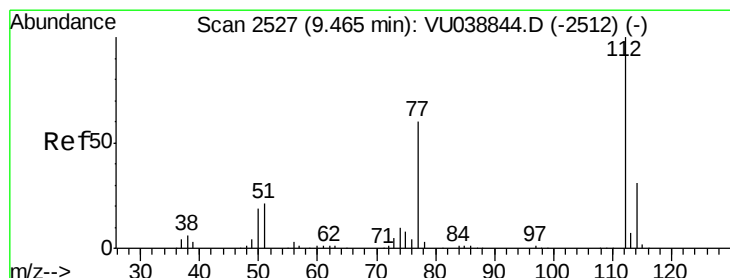
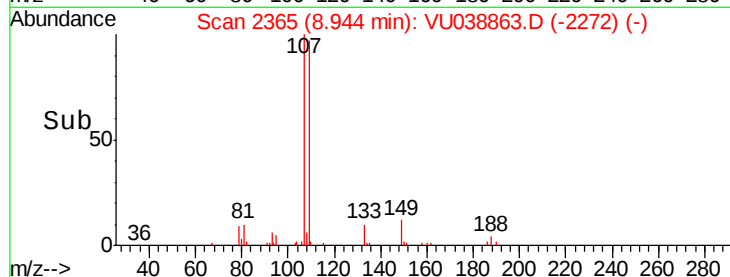
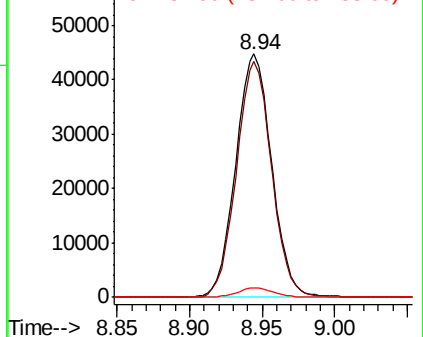
#50
1,2-Dibromoethane
Concen: 4.517 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. -0.00 min
Lab File: VU038863.D
Acq: 12 Jun 2020 20:09

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:107 Resp: 77202
Ion Ratio Lower Upper
107 100
109 96.9 65.5 121.7
188 3.9 3.0 4.6

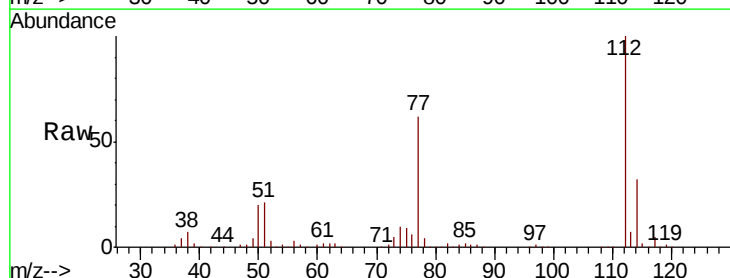


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

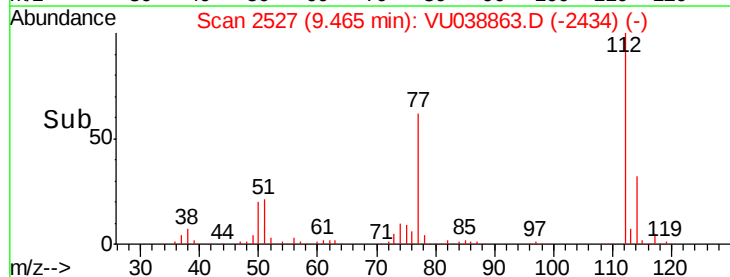
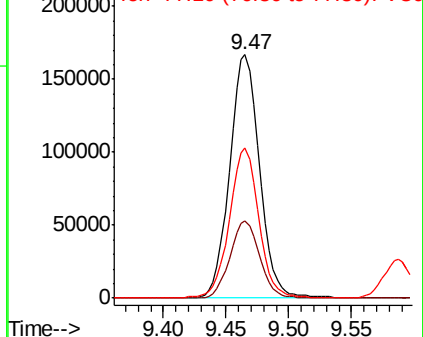


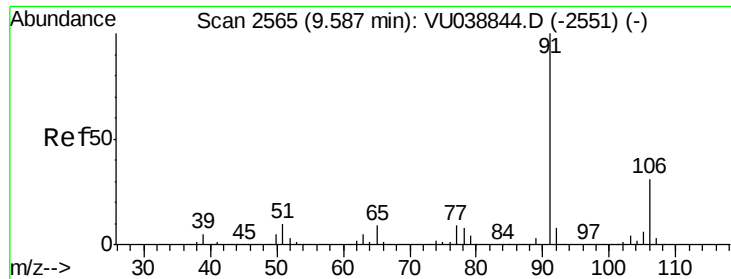
#51
Chlorobenzene
Concen: 4.451 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU038863.D
Acq: 12 Jun 2020 20:09

Tgt Ion:112 Resp: 275772
Ion Ratio Lower Upper
112 100
114 31.6 22.5 41.9
77 61.5 49.3 73.9



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VU

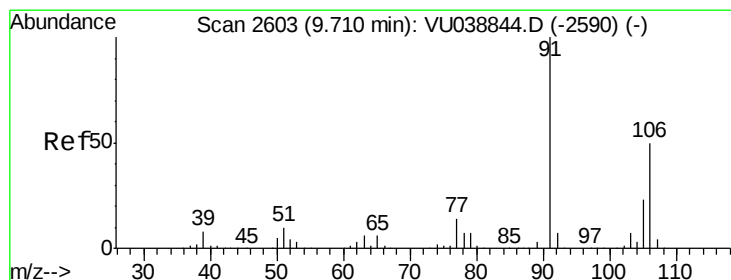
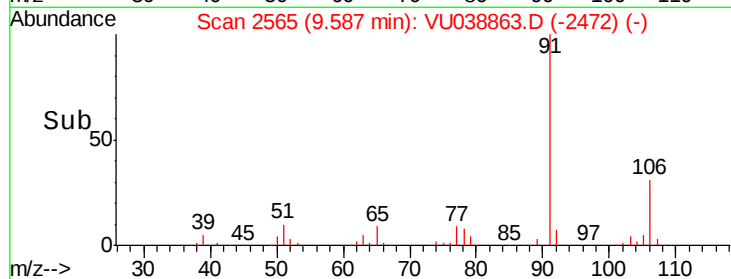
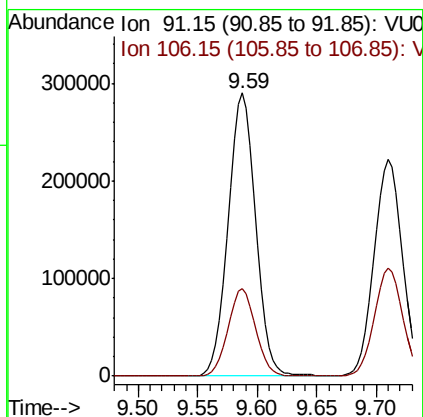
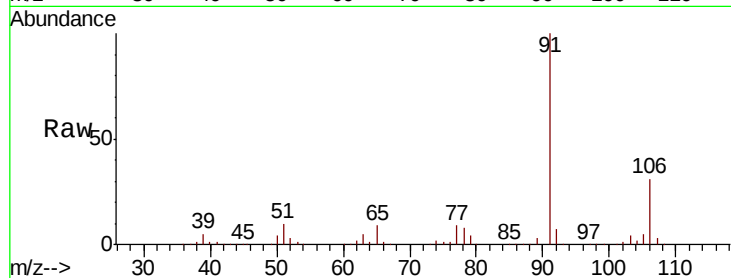




#52
Ethylbenzene
Concen: 4.387 ug/L
RT: 9.59 min Scan# 2565
Delta R.T. -0.00 min
Lab File: VU038863.D
Acq: 12 Jun 2020 20:09

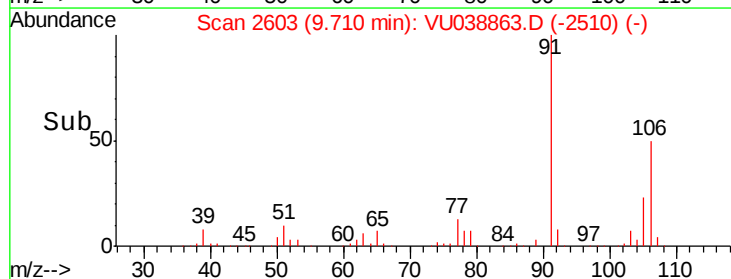
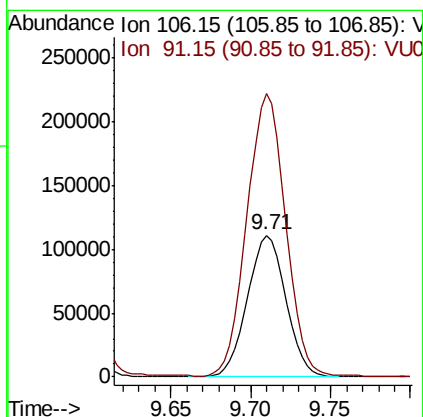
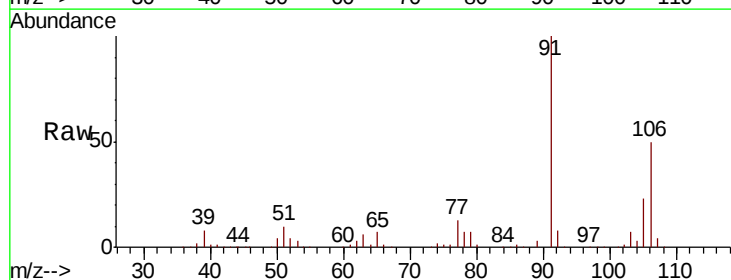
Instrument :
MSVOA_U
ClientSampleId :

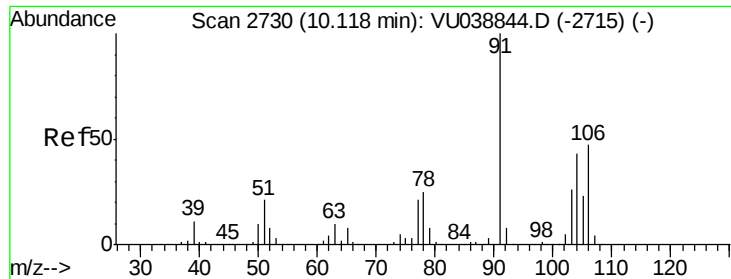
Tot Ion: 91 Resp: 465035
Ion Ratio Lower Upper
91 100
106 30.9 21.5 39.9



#53
m,p-Xylene
Concen: 4.535 ug/L
RT: 9.71 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VU038863.D
Acq: 12 Jun 2020 20:09

Tgt Ion: 106 Resp: 181654
Ion Ratio Lower Upper
106 100
91 200.1 145.0 269.4

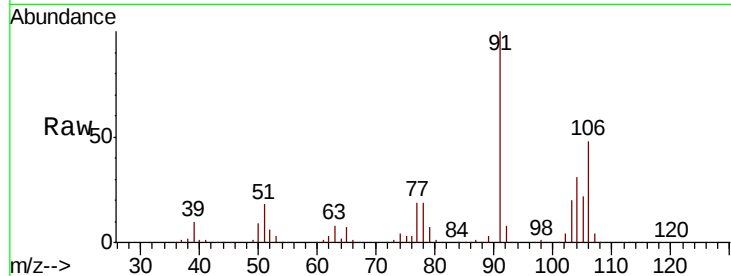




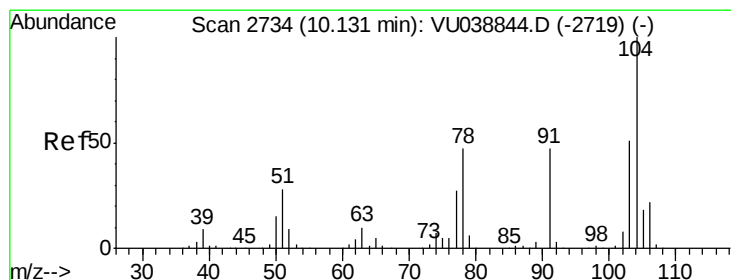
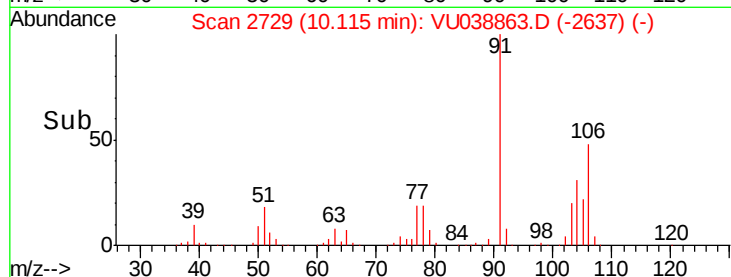
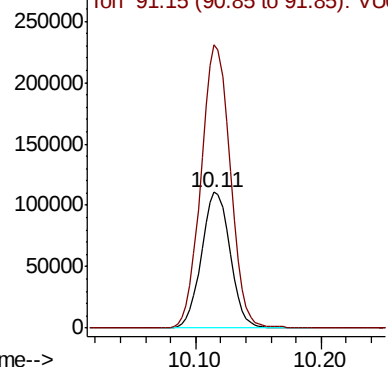
#54
o-Xylene
Concen: 4.583 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU038863.D
Acq: 12 Jun 2020 20:09

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 176230
Ion Ratio Lower Upper
106 100
91 208.6 149.1 276.9

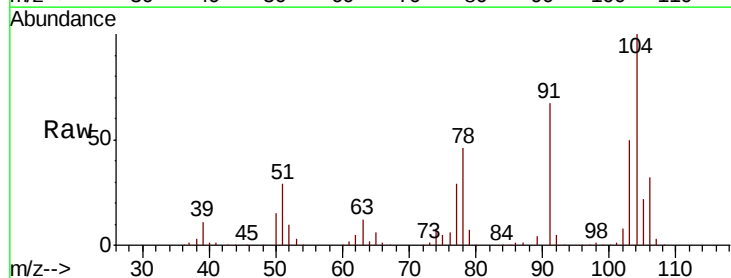


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

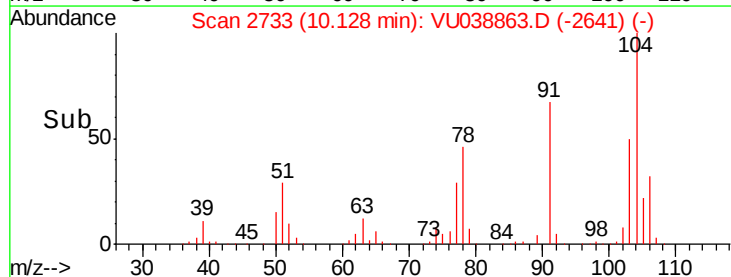
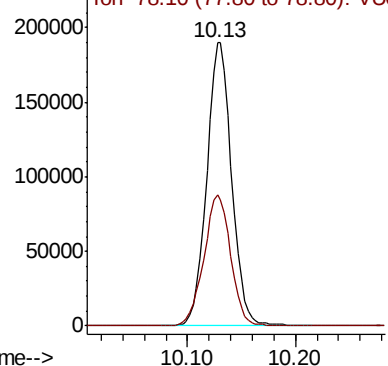


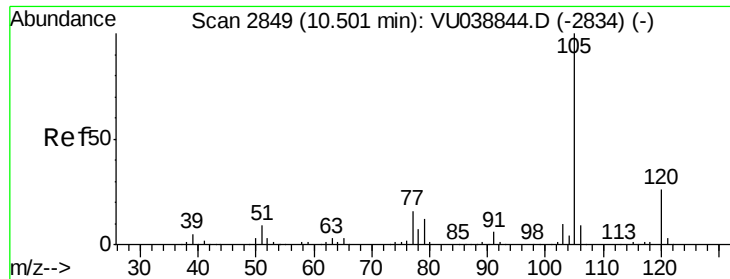
#55
Styrene
Concen: 4.618 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU038863.D
Acq: 12 Jun 2020 20:09

Tgt Ion:104 Resp: 305596
Ion Ratio Lower Upper
104 100
78 46.2 32.1 59.7



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.482 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. -0.00 min

Lab File: VU038863.D

Acq: 12 Jun 2020 20:09

Instrument :

MSVOA_U

ClientSampleId :

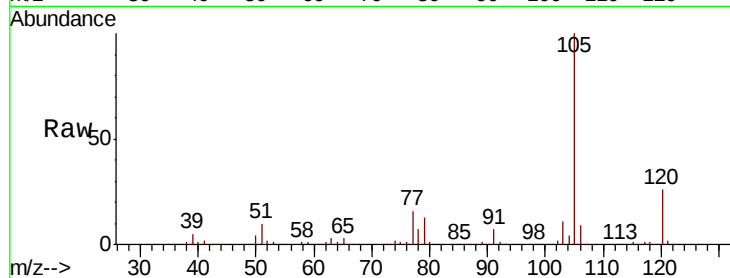
Tot Ion:105 Resp: 460758

Ion Ratio Lower Upper

105 100

120 26.4 20.6 30.8

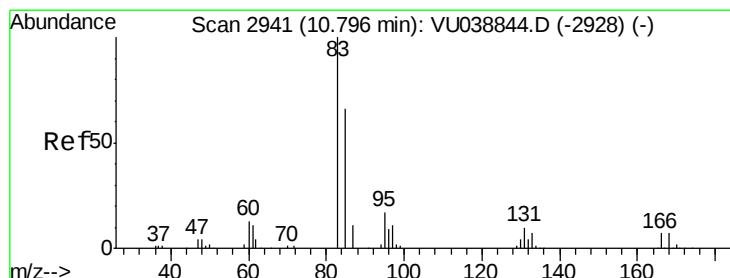
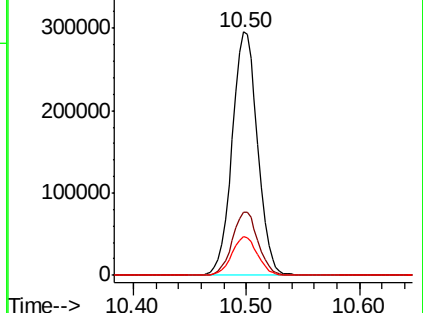
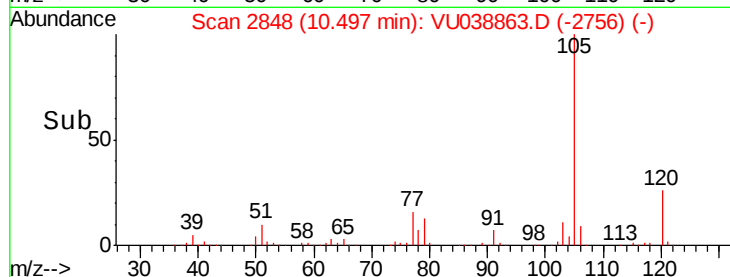
77 16.0 12.8 19.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.714 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU038863.D

Acq: 12 Jun 2020 20:09

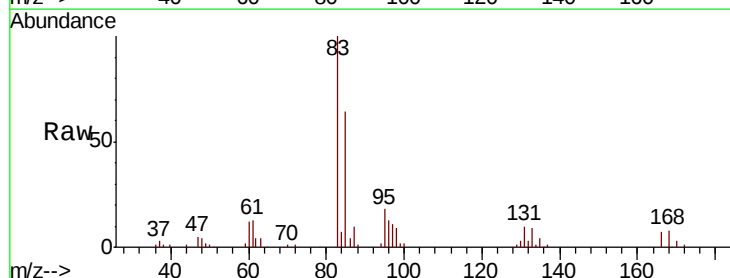
Tgt Ion: 83 Resp: 102629

Ion Ratio Lower Upper

83 100

85 63.9 46.5 86.3

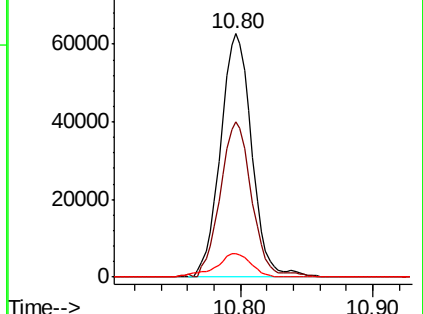
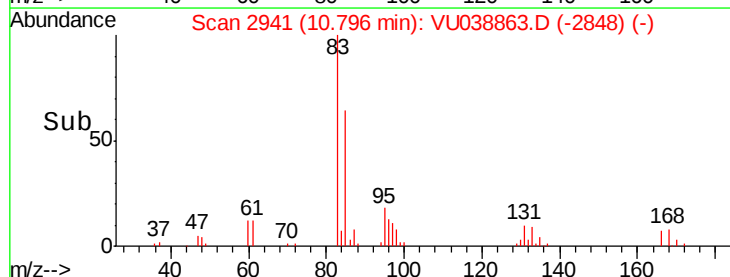
131 9.7 7.2 10.8

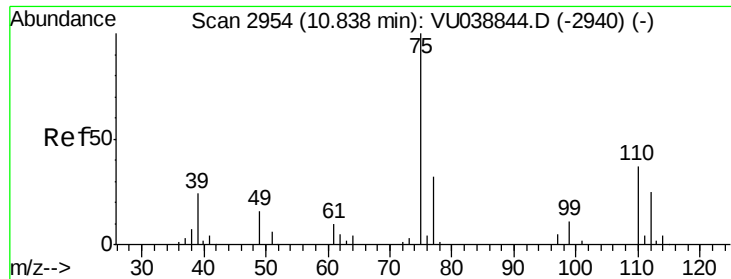


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.665 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. -0.00 min

Lab File: VU038863.D

Acq: 12 Jun 2020 20:09

Instrument :

MSVOA_U

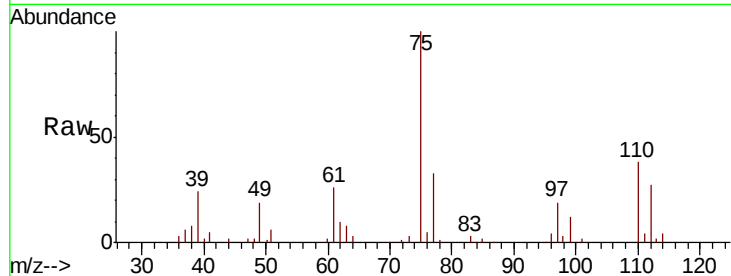
ClientSampled :

Tot Ion: 75 Resp: 79459

Ion Ratio Lower Upper

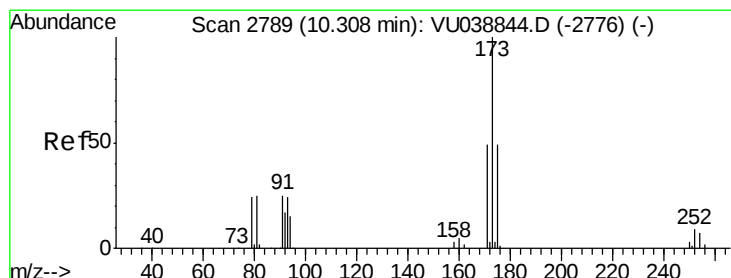
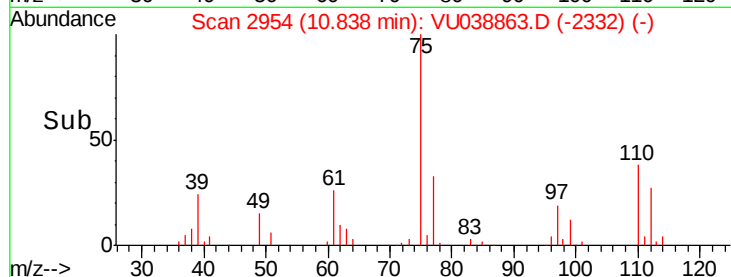
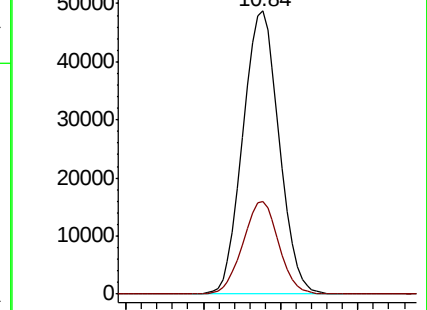
75 100

77 32.4 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VU038844.D (-2940) (-)

Ion 77.00 (76.70 to 77.70): VU038844.D (-2940) (-)



#61

Bromoform

Concen: 4.577 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VU038863.D

Acq: 12 Jun 2020 20:09

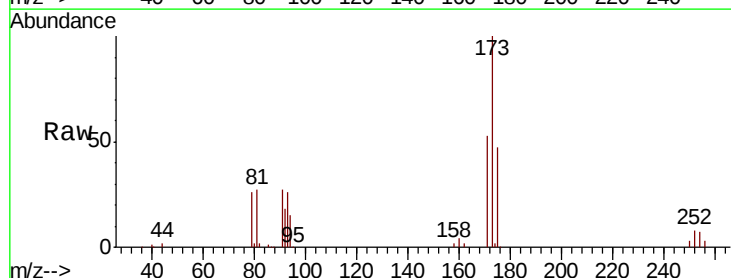
Tgt Ion: 173 Resp: 50286

Ion Ratio Lower Upper

173 100

175 48.0 38.3 57.5

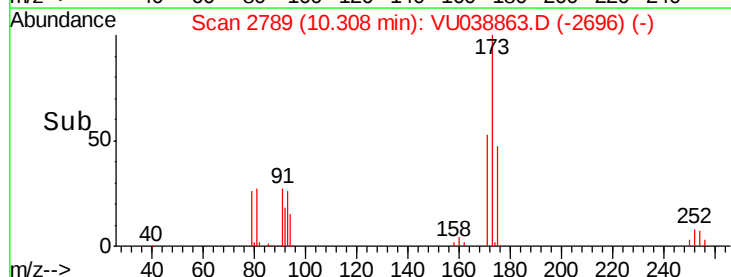
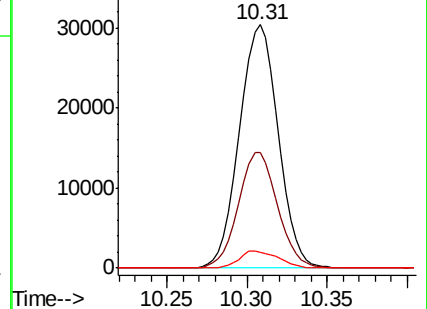
254 7.0 6.0 9.0

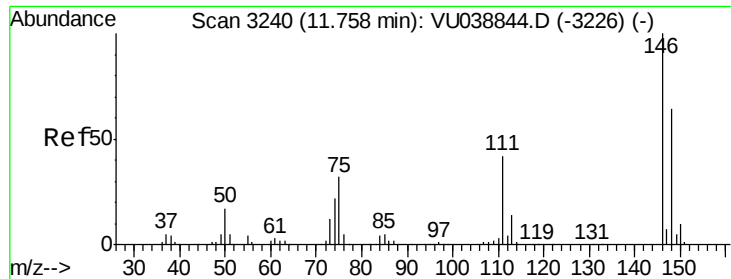


Abundance Ion 172.90 (172.60 to 173.60): VU038844.D (-2776) (-)

Ion 174.90 (174.60 to 175.60): VU038844.D (-2776) (-)

Ion 253.75 (253.45 to 254.45): VU038844.D (-2776) (-)

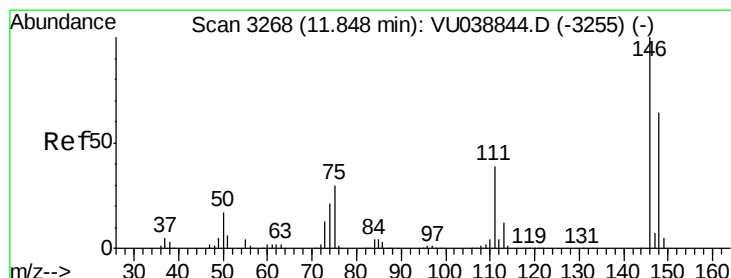
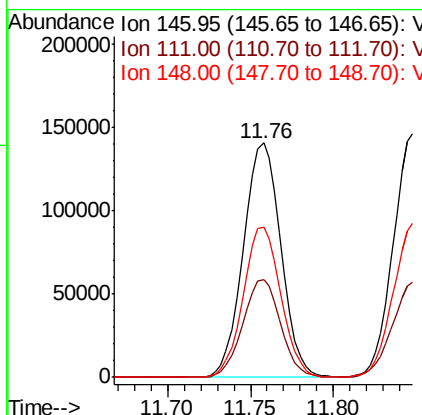
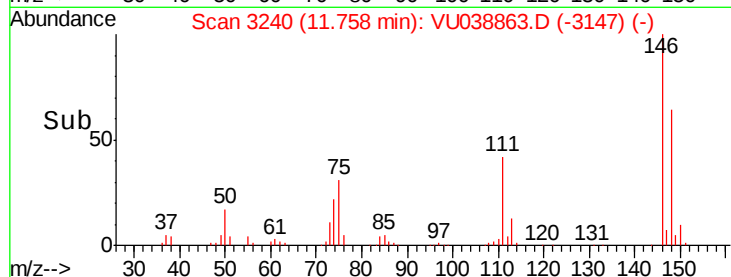
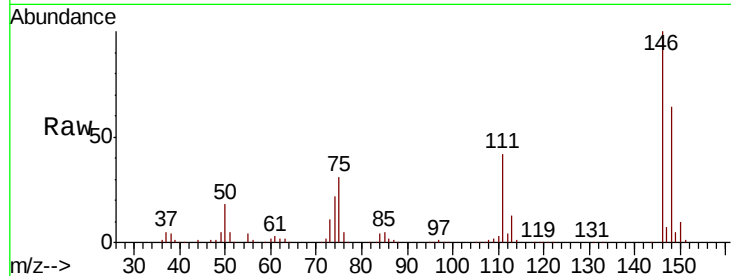




#62
 1,3-Dichlorobenzene
 Concen: 4.512 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU038863.D
 Acq: 12 Jun 2020 20:09

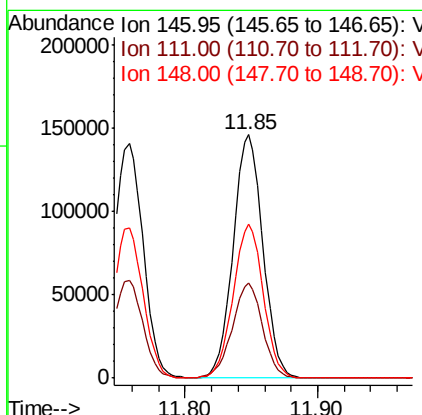
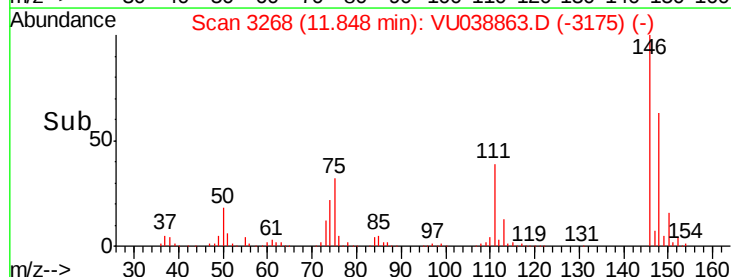
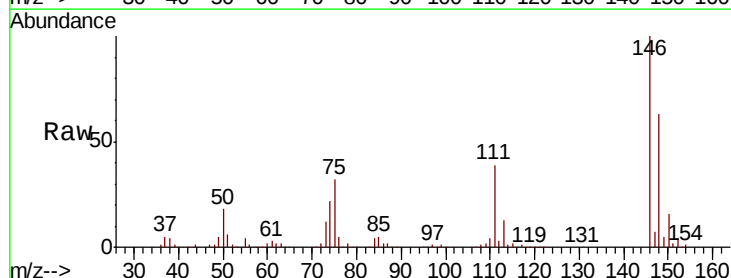
Instrument :
 MSVOA_U
 ClientSampleId :

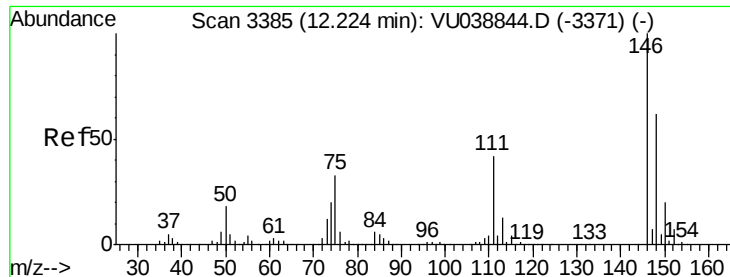
Tot Ion:146 Resp: 222190
 Ion Ratio Lower Upper
 146 100
 111 41.8 29.5 54.9
 148 64.4 43.8 81.3



#63
 1,4-Dichlorobenzene
 Concen: 4.508 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU038863.D
 Acq: 12 Jun 2020 20:09

Tgt Ion:146 Resp: 226475
 Ion Ratio Lower Upper
 146 100
 111 39.0 27.9 51.9
 148 63.3 44.6 82.8

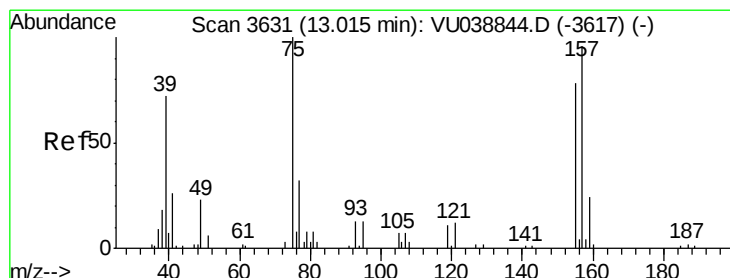
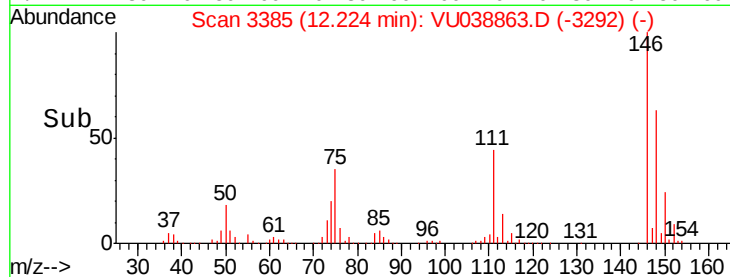
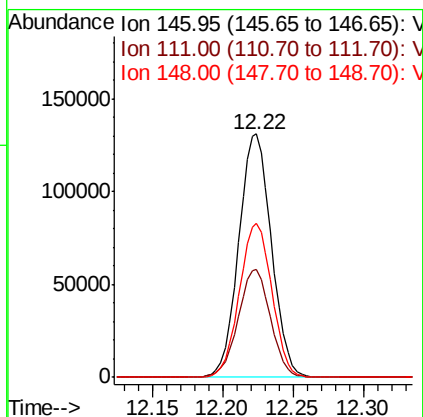
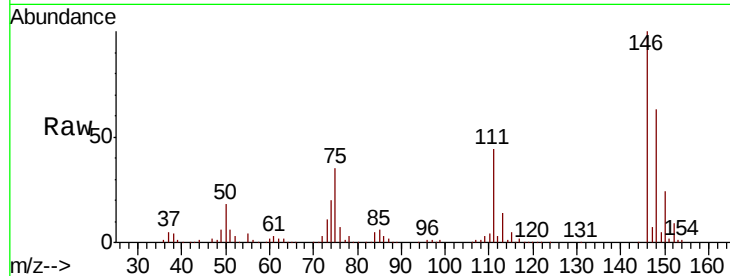




#65
 1,2-Dichlorobenzene
 Concen: 4.587 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU038863.D
 Acq: 12 Jun 2020 20:09

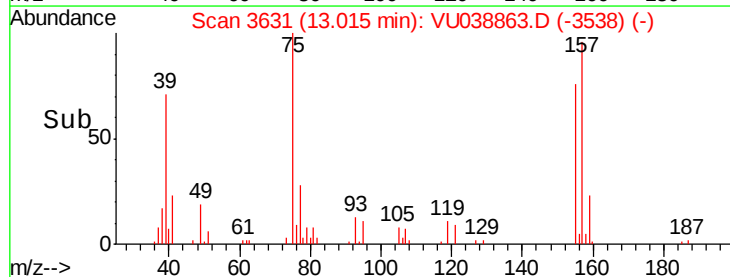
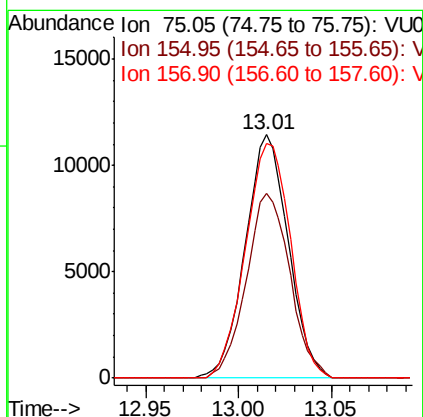
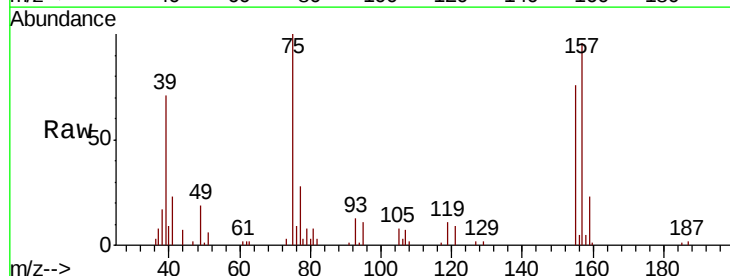
Instrument :
 MSVOA_U
 ClientSampleId :

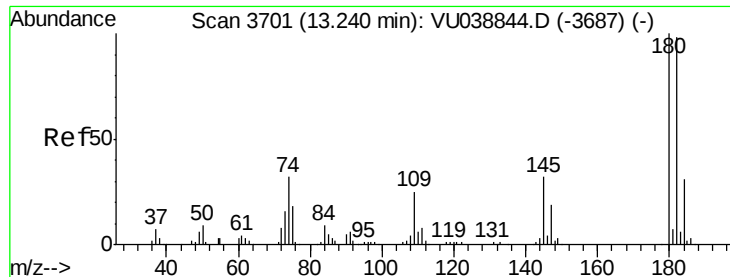
Tot Ion:146 Resp: 212528
 Ion Ratio Lower Upper
 146 100
 111 44.1 35.6 53.4
 148 63.1 51.8 77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.904 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. -0.00 min
 Lab File: VU038863.D
 Acq: 12 Jun 2020 20:09

Tgt Ion: 75 Resp: 18429
 Ion Ratio Lower Upper
 75 100
 155 75.8 63.7 95.5
 157 96.1 77.1 115.7

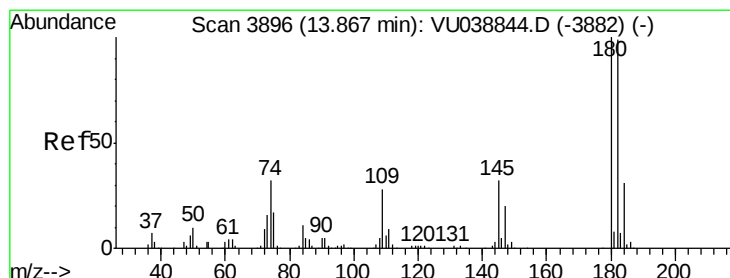
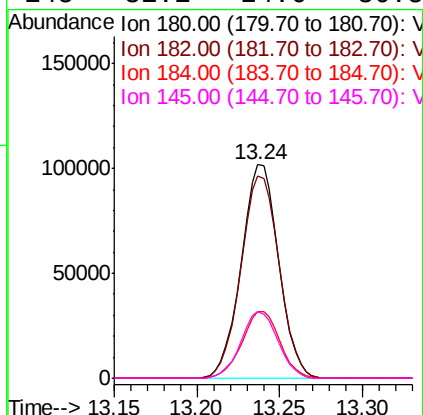
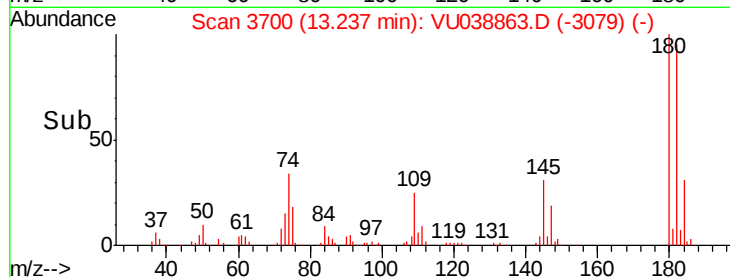
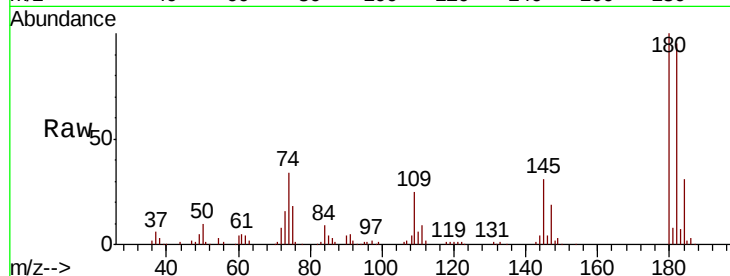




#67
 1,3,5-Trichlorobenzene
 Concen: 4.420 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VU038863.D
 Acq: 12 Jun 2020 20:09

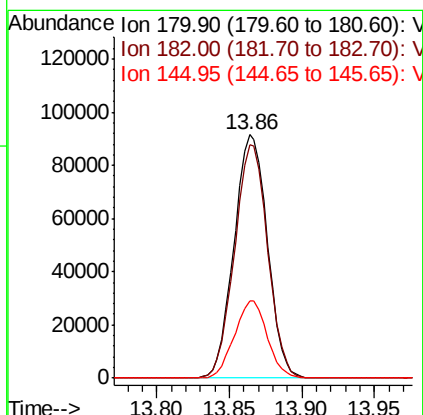
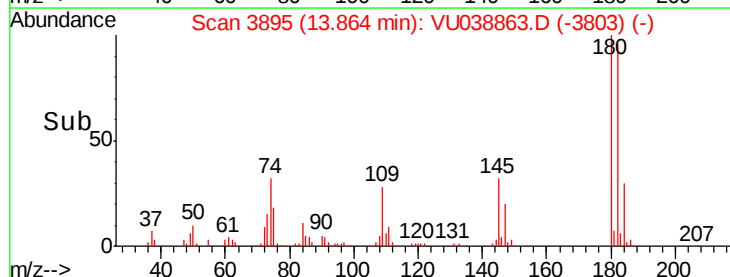
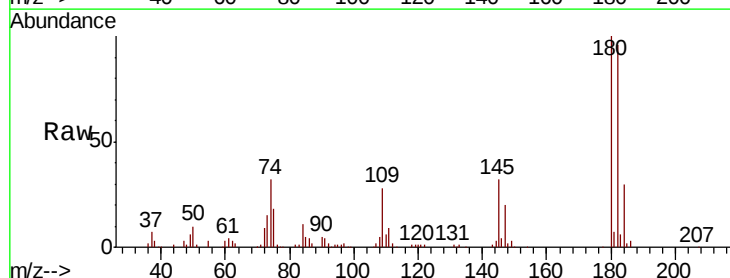
Instrument :
 MSVOA_U
 ClientSampleId :

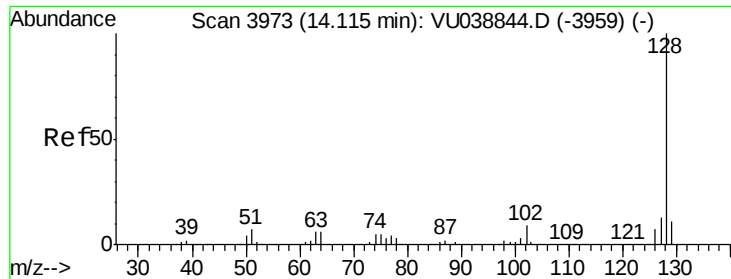
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	75.0	112.4
184	31.7	23.7	35.5
145	31.1	24.6	36.8



#68
 1,2,4-trichlorobenzene
 Concen: 4.588 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.00 min
 Lab File: VU038863.D
 Acq: 12 Jun 2020 20:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	78.5	117.7
145	31.2	25.0	37.4





#69

Naphthalene

Concen: 4.704 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU038863.D

Acq: 12 Jun 2020 20:09

Instrument :

MSVOA_U

ClientSampleId :

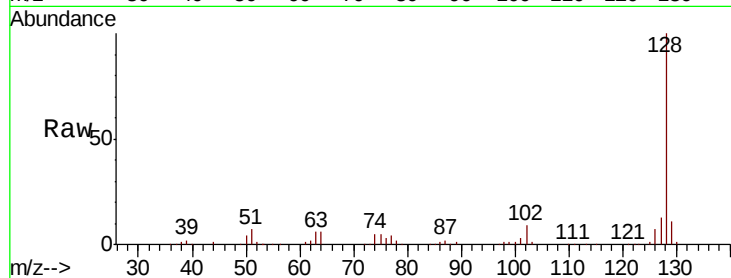
Tot Ion:128 Resp: 285082

Ion Ratio Lower Upper

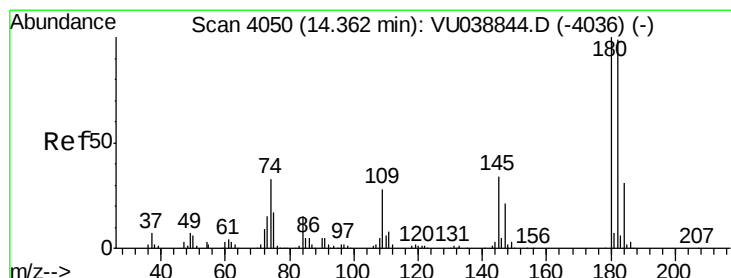
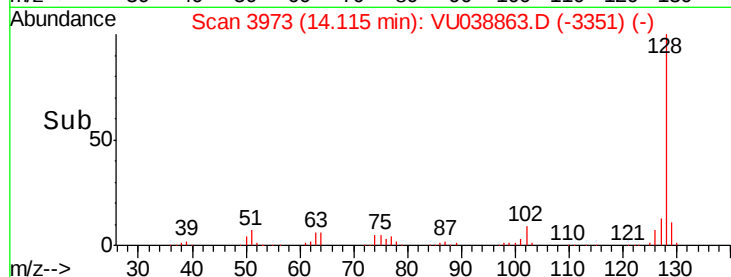
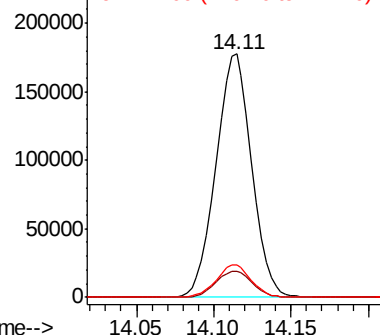
128 100

129 11.0 8.9 13.3

127 13.1 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.741 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.00 min

Lab File: VU038863.D

Acq: 12 Jun 2020 20:09

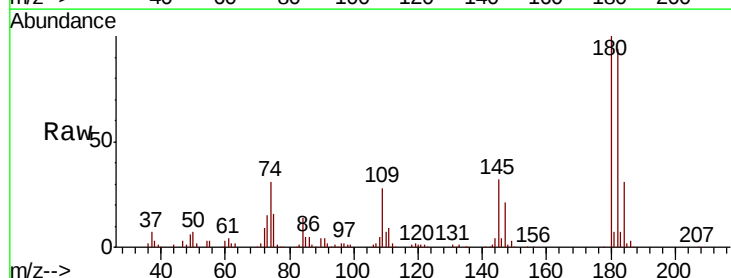
Tgt Ion:180 Resp: 138360

Ion Ratio Lower Upper

180 100

182 96.0 76.1 114.1

145 33.3 27.8 41.6



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

