

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102820\
 Data File : VU041006.D
 Acq On : 28 Oct 2020 20:48
 Operator : SY/MD
 Sample : L4485-12
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 MDL-WATER-05

Quant Time: Oct 29 02:07:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR102820WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 29 01:58:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	112312	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	113124	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	48754	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	36373	4.81	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.20%
7) Chloroethane-d5	1.92	69	30619	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.20%
11) 1,1-Dichloroethene-d2	2.58	65	17912	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.00%
20) 2-Butanone-d5	4.66	46	169387	53.80	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.60%
24) Chloroform-d	5.08	84	74928	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
26) 1,2-Dichloroethane-d4	5.72	65	49680	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
32) Benzene-d6	5.74	84	134013	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
36) 1,2-Dichloropropane-d6	6.70	67	47286	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.20%
41) Toluene-d8	7.91	98	109382	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.80%
43) trans-1,3-Dichloropropene-	8.19	79	18398	4.55	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.00%
46) 2-Hexanone-d5	8.64	63	114372	51.99	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.98%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	43113	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.60%
66) 1,2-Dichlorobenzene-d4	12.19	152	42516	5.21	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	2145	0.224 ug/L	99
3) Chloromethane	1.53	50	2380	0.237 ug/L	95
5) Vinyl chloride	1.61	62	2600	0.262 ug/L #	61
6) Bromomethane	1.87	94	1373	0.259 ug/L	94
8) Chloroethane	1.94	64	1366	0.215 ug/L	100
9) Trichlorofluoromethane	2.15	101	3087	0.224 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2220	0.278 ug/L	87
12) 1,1-Dichloroethene	2.59	96	1914	0.252 ug/L #	1
13) Acetone	2.67	43	2210	1.120 ug/L	79
14) Carbon disulfide	2.81	76	5986	0.247 ug/L	100
16) Methylene chloride	3.06	84	3021	0.333 ug/L	85
17) Methyl tert-butyl Ether	3.38	73	4097	0.207 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	1840	0.239 ug/L	83
19) 1,1-Dichloroethane	3.88	63	1765	0.111 ug/L #	94
21) 2-Butanone	4.76	43	4915	1.535 ug/L #	72
22) cis-1,2-Dichloroethene	4.68	96	1707	0.207 ug/L	90
23) Bromochloromethane	5.00	128	799	0.204 ug/L	83

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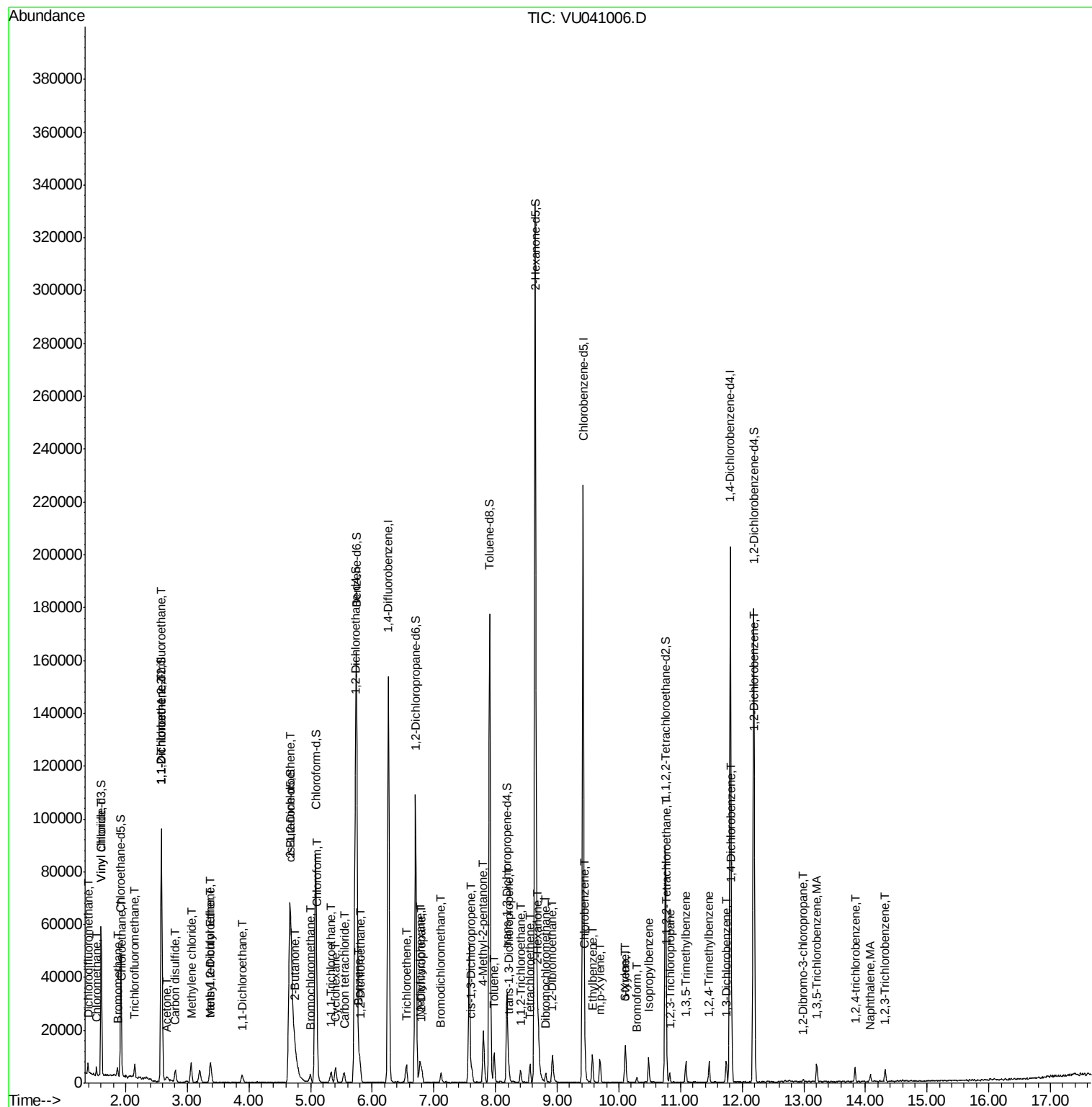
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	5.11	83	5003	0.307	ug/L	95
27) 1,2-Dichloroethane	5.82	62	2821	0.236	ug/L	96
29) 1,1,1-Trichloroethane	5.33	97	3182	0.227	ug/L	94
30) Cyclohexane	5.40	56	2663	0.205	ug/L #	93
31) Carbon tetrachloride	5.54	117	2730	0.228	ug/L	92
33) Benzene	5.79	78	7718	0.235	ug/L	100
34) Trichloroethene	6.55	95	1975	0.225	ug/L	96
35) Methylcyclohexane	6.77	83	2733	0.224	ug/L	89
37) 1,2-Dichloropropane	6.81	63	2098	0.225	ug/L #	89
38) Bromodichloromethane	7.11	83	2513	0.215	ug/L #	80
39) cis-1,3-Dichloropropene	7.61	75	2489	0.201	ug/L	89
40) 4-Methyl-2-pentanone	7.80	43	14728	2.088	ug/L #	88
42) Toluene	7.98	91	7520	0.226	ug/L	89
44) trans-1,3-Dichloropropene	8.22	75	3363	0.292	ug/L #	61
45) 1,1,2-Trichloroethane	8.40	97	1359	0.204	ug/L	89
47) Tetrachloroethene	8.56	164	1521	0.251	ug/L	89
48) 2-Hexanone	8.69	43	14296	2.701	ug/L	98
49) Dibromochloromethane	8.82	129	1757	0.228	ug/L	94
50) 1,2-Dibromoethane	8.92	107	1364	0.218	ug/L #	93
51) Chlorobenzene	9.45	112	4677	0.219	ug/L	97
52) Ethylbenzene	9.57	91	7042	0.204	ug/L	100
53) m,p-Xylene	9.70	106	2227	0.178	ug/L	87
54) o-Xylene	10.10	106	2284	0.191	ug/L	96
55) Styrene	10.11	104	3546	0.171	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.78	83	1770	0.206	ug/L #	86
59) Bromoform	10.29	173	928	0.244	ug/L #	90
60) Isopropylbenzene	10.48	105	5220	0.184	ug/L	94
61) 1,2,3-Trichloropropane	10.82	75	1538	0.262	ug/L	92
62) 1,3,5-Trimethylbenzene	11.09	105	4576	0.202	ug/L	95
63) 1,2,4-Trimethylbenzene	11.46	105	4265	0.185	ug/L	99
64) 1,3-Dichlorobenzene	11.74	146	3464	0.245	ug/L	89
65) 1,4-Dichlorobenzene	11.83	146	3204	0.222	ug/L	90
67) 1,2-Dichlorobenzene	12.21	146	3297	0.241	ug/L	92
68) 1,2-Dibromo-3-chloropropan	12.99	75	345	0.255	ug/L #	74
69) 1,3,5-Trichlorobenzene	13.21	180	2362	0.244	ug/L	92
70) 1,2,4-trichlorobenzene	13.83	180	1743	0.214	ug/L	96
71) Naphthalene	14.08	128	2422	0.170	ug/L #	88
72) 1,2,3-Trichlorobenzene	14.32	180	1488	0.195	ug/L	93

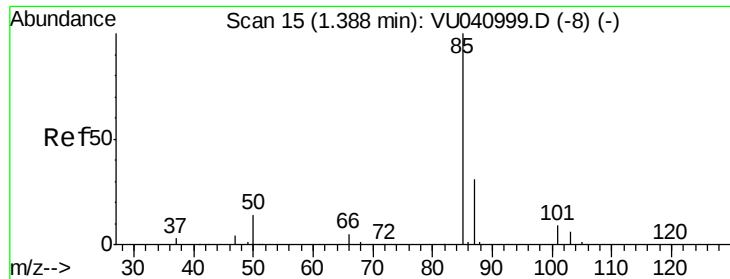
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.224 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU041006.D

Acq: 28 Oct 2020 20:48

Instrument :

MSVOA_U

ClientSampleId :

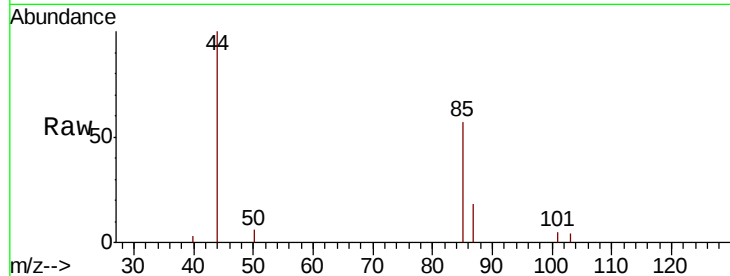
MDL-WATER-05

Tot Ion: 85 Resp: 2145

Ion Ratio Lower Upper

85 100

87 30.7 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

1.39

2500

2000

1500

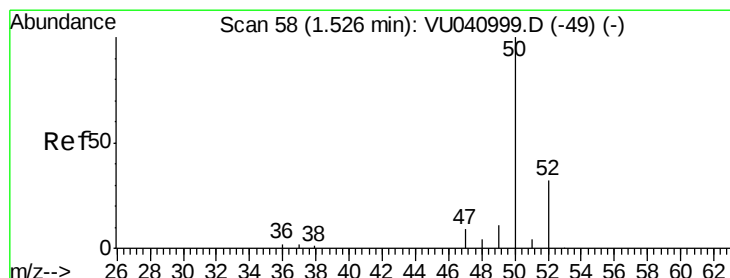
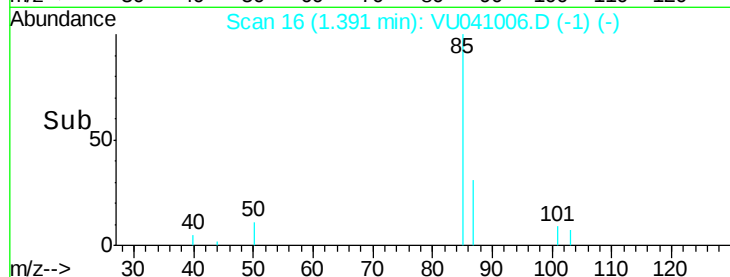
1000

500

0

1.36 1.38 1.40 1.42

Time-->



#3

Chloromethane

Concen: 0.237 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041006.D

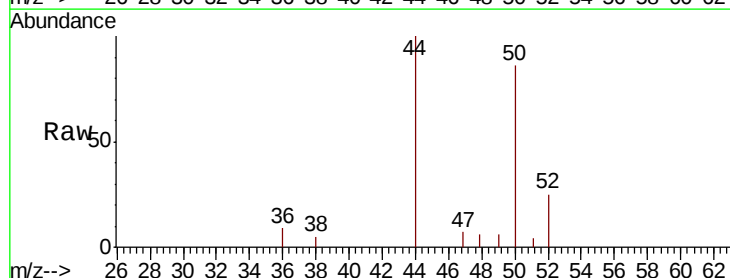
Acq: 28 Oct 2020 20:48

Tgt Ion: 50 Resp: 2380

Ion Ratio Lower Upper

50 100

52 29.3 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0

1.53

2500

2000

1500

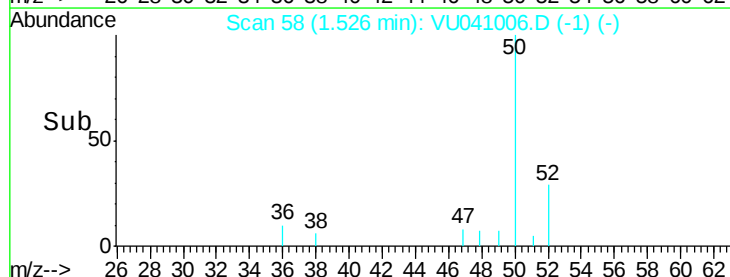
1000

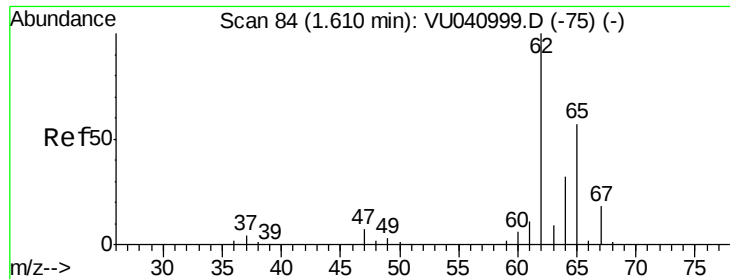
500

0

1.48 1.50 1.52 1.54 1.56

Time-->





#5

Vinyl chloride

Concen: 0.262 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041006.D

Acq: 28 Oct 2020 20:48

Instrument :

MSVOA_U

ClientSampleId :

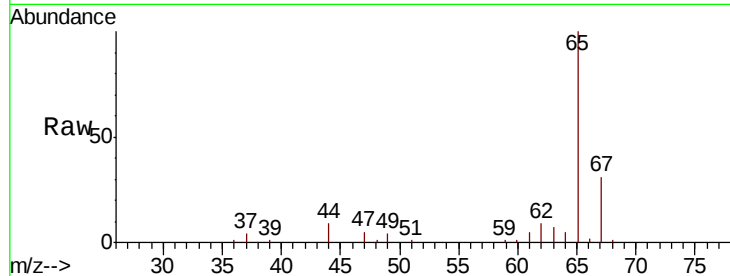
MDL-WATER-05

Tot Ion: 62 Resp: 2600

Ion Ratio Lower Upper

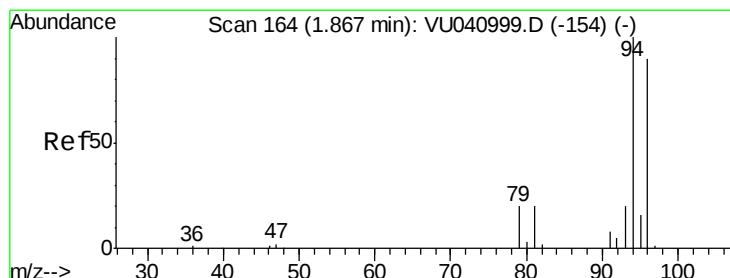
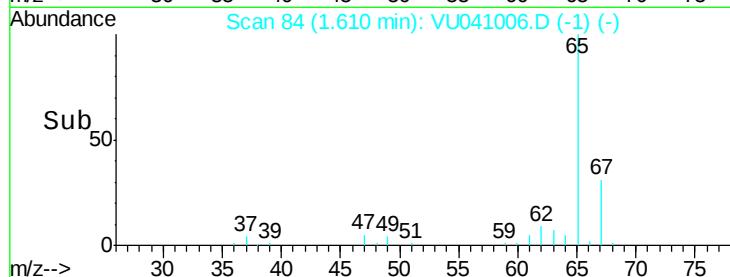
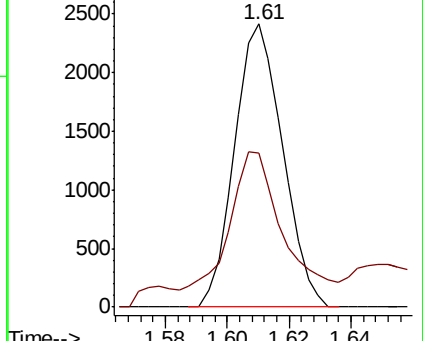
62 100

64 54.6 22.7 42.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.259 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU041006.D

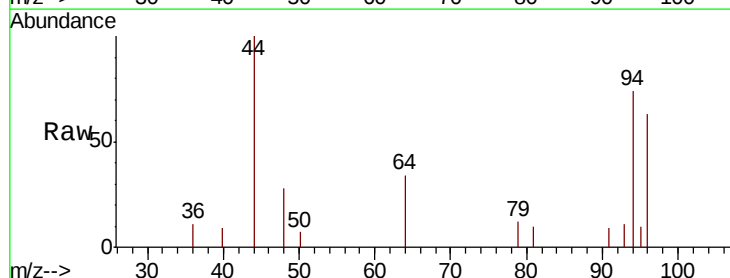
Acq: 28 Oct 2020 20:48

Tgt Ion: 94 Resp: 1373

Ion Ratio Lower Upper

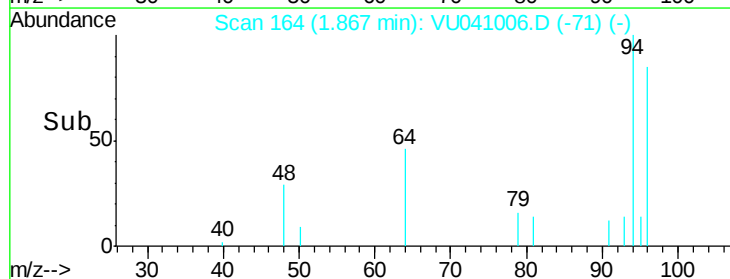
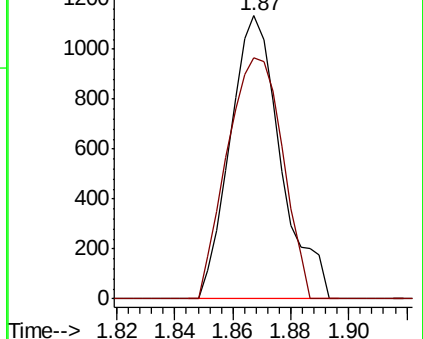
94 100

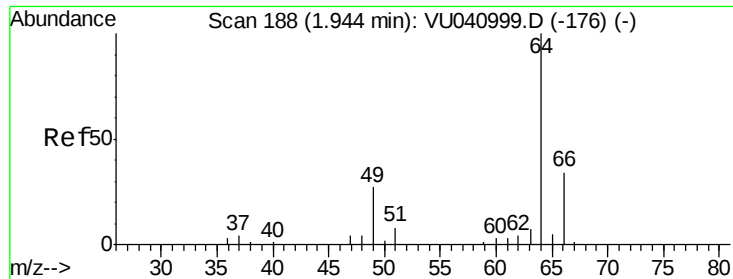
96 85.0 63.2 117.4



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

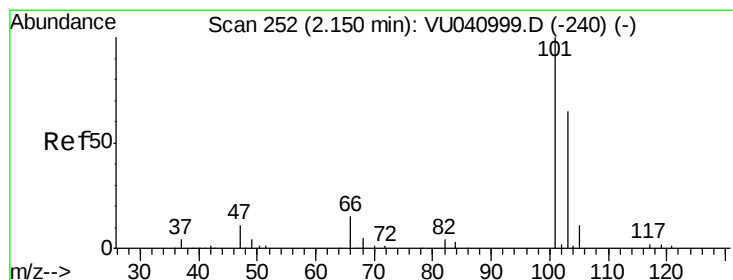
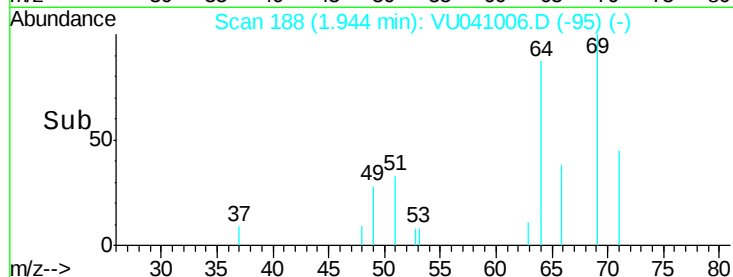
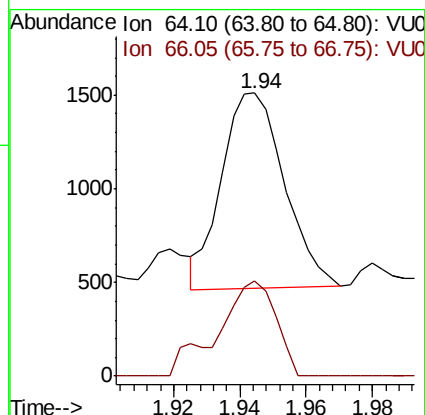
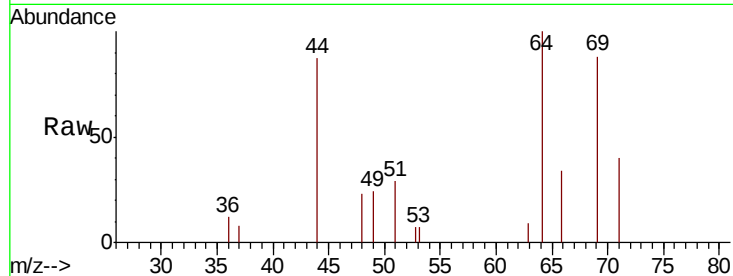




#8
 Chloroethane
 Concen: 0.215 ug/L
 RT: 1.94 min Scan# 188
 Delta R.T. 0.00 min
 Lab File: VU041006.D
 Acq: 28 Oct 2020 20:48

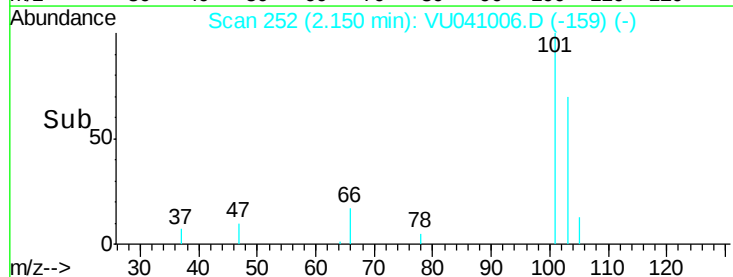
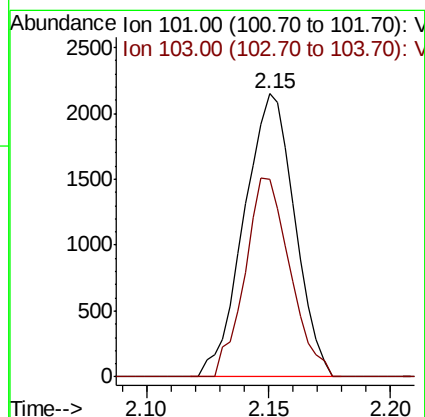
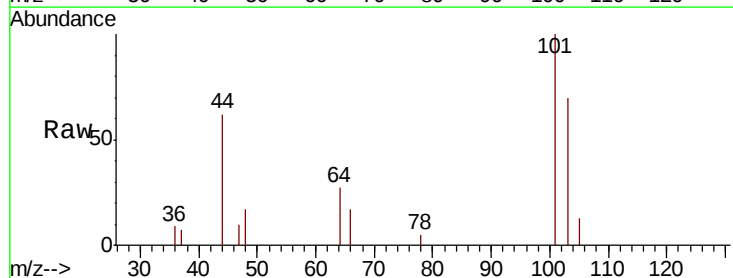
Instrument :
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 MDL-WATER-05

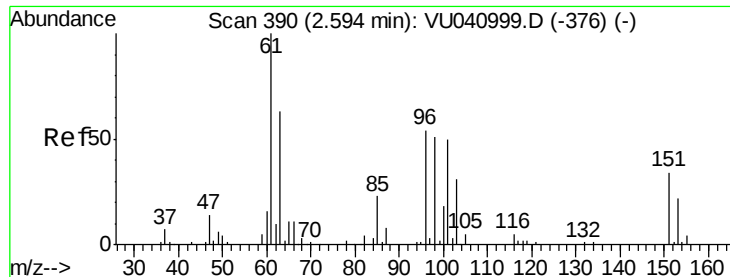
Tot Ion: 64 Resp: 1366
 Ion Ratio Lower Upper
 64 100
 66 33.6 23.4 43.6



#9
 Trichlorofluoromethane
 Concen: 0.224 ug/L
 RT: 2.15 min Scan# 252
 Delta R.T. 0.00 min
 Lab File: VU041006.D
 Acq: 28 Oct 2020 20:48

Tgt Ion: 101 Resp: 3087
 Ion Ratio Lower Upper
 101 100
 103 62.5 51.0 76.4





#10

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

Concen: 0.278 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041006.D

Acq: 28 Oct 2020 20:48

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-05

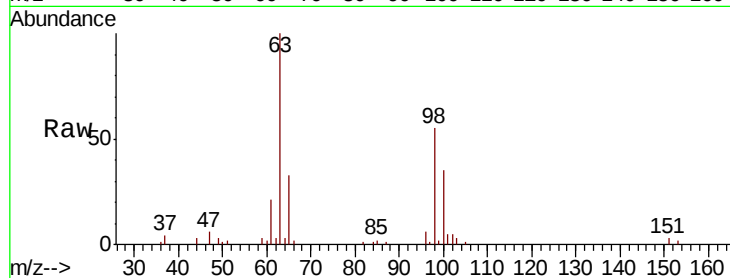
Tot Ion:101 Resp: 2220

Ion Ratio Lower Upper

101 100

85 39.7 38.1 57.1

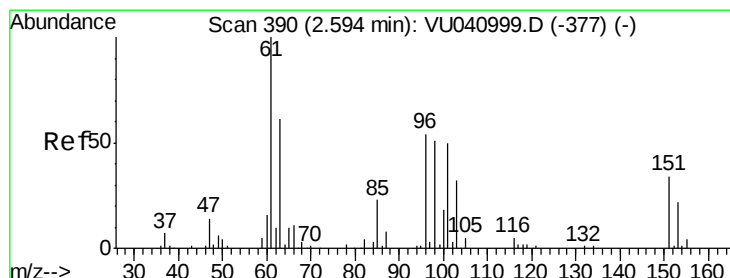
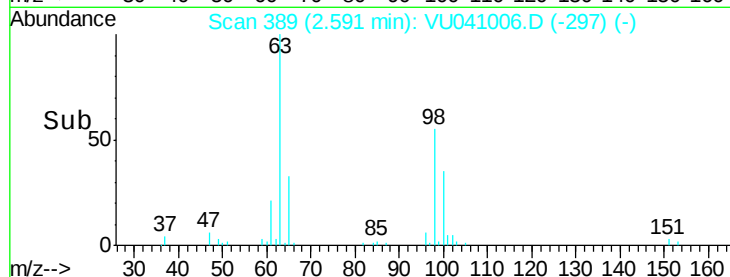
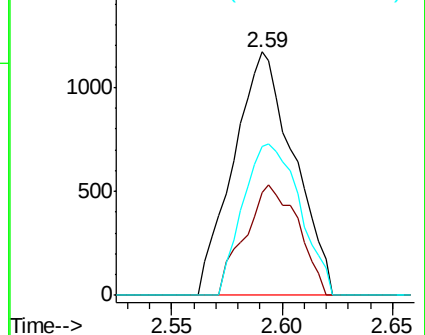
151 58.6 56.0 84.0



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: 0.252 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041006.D

Acq: 28 Oct 2020 20:48

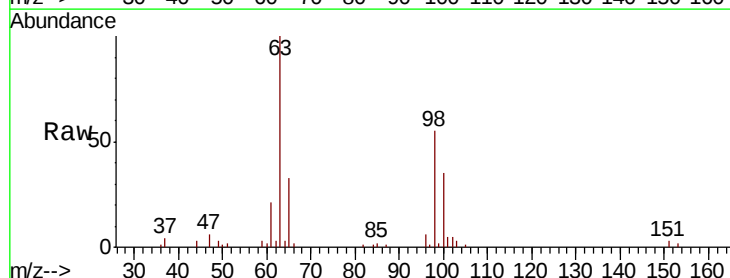
Tgt Ion: 96 Resp: 1914

Ion Ratio Lower Upper

96 100

61 386.8 130.2 241.8#

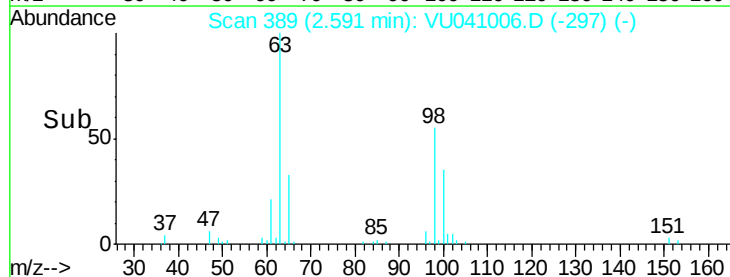
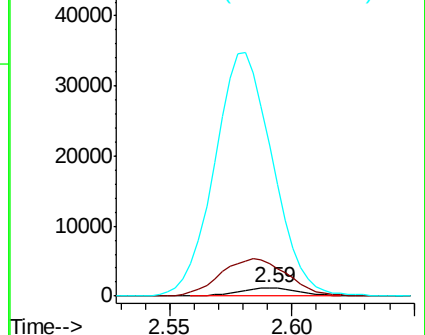
63 1808.1 83.7 155.5#

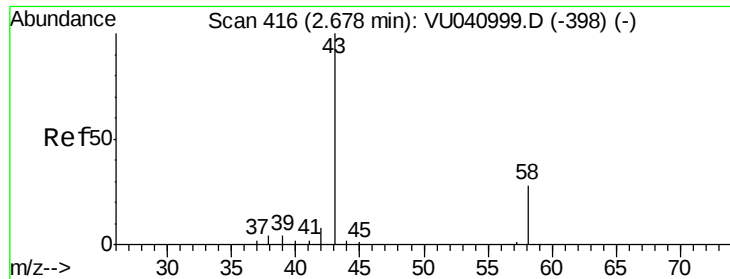


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.120 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.00 min

Lab File: VU041006.D

Acq: 28 Oct 2020 20:48

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ClientSampleId :

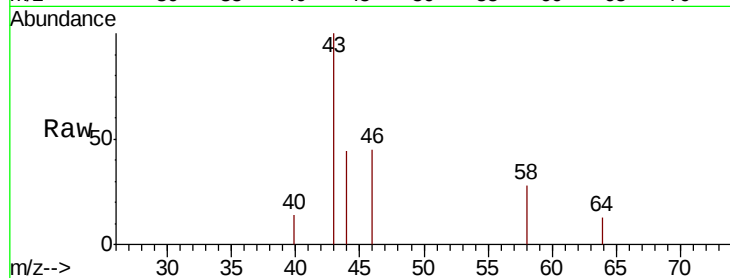
MDL-WATER-05

Tot Ion: 43 Resp: 2210

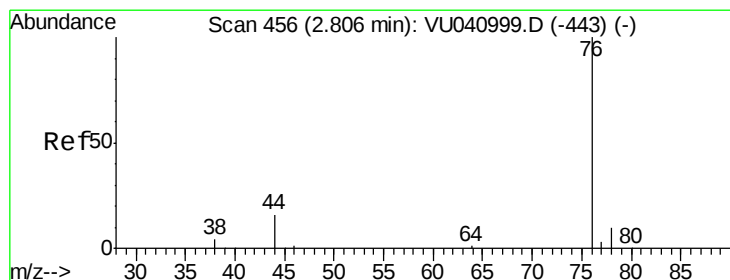
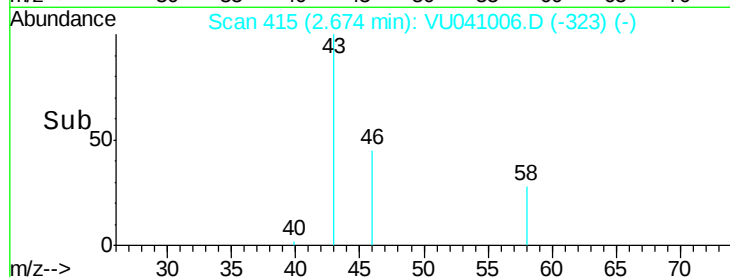
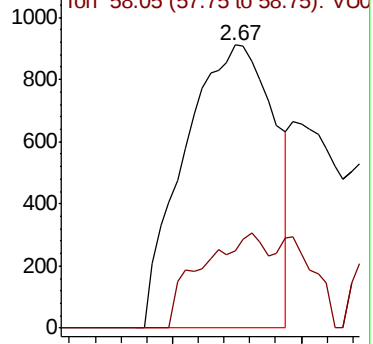
Ion Ratio Lower Upper

43 100

58 24.3 0.0 30.8



Abundance Ion 43.05 (42.75 to 43.75): VU041006.D (-323) (-)



#14

Carbon disulfide

Concen: 0.247 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041006.D

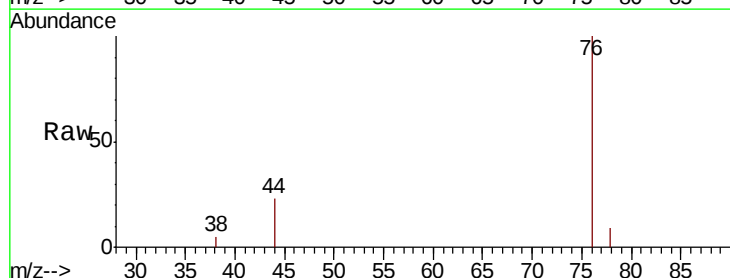
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Tgt Ion: 76 Resp: 5986

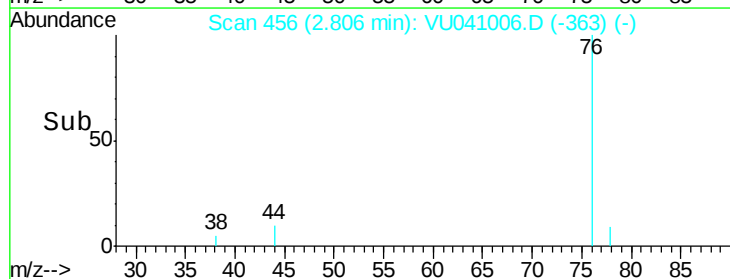
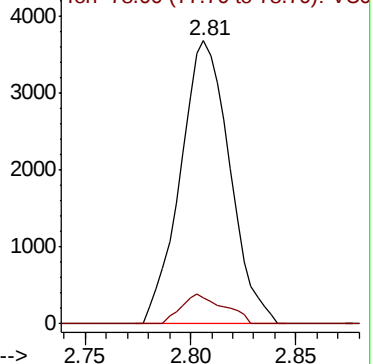
Ion Ratio Lower Upper

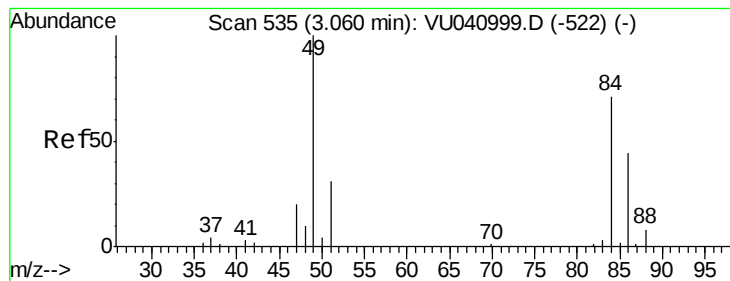
76 100

78 9.4 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VU041006.D (-363) (-)





#16

Methylene chloride

Concen: 0.333 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU041006.D

Acq: 28 Oct 2020 20:48

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-05

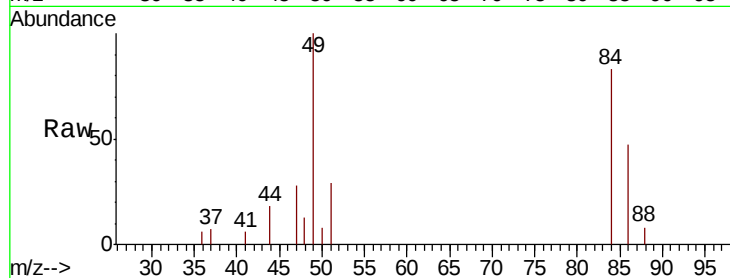
Tot Ion: 84 Resp: 3021

Ion Ratio Lower Upper

84 100

86 56.8 44.2 82.0

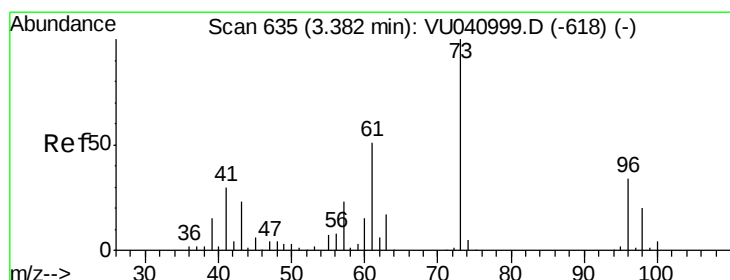
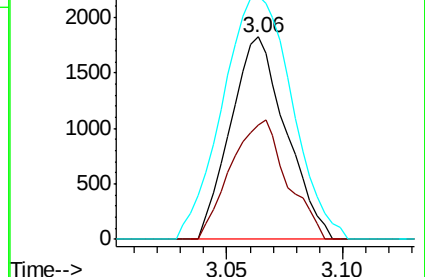
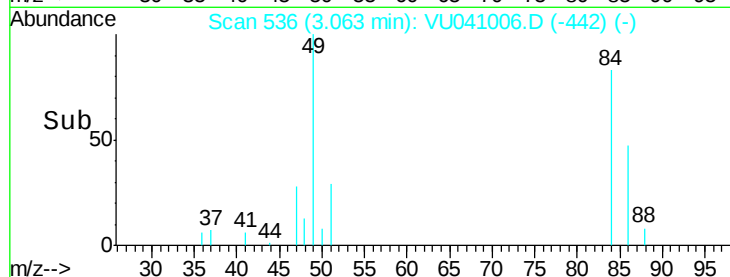
49 120.4 99.3 184.3



Abundance Ion 84.05 (83.75 to 84.75): VU041006.D (-542) (-)

Ion 86.00 (85.70 to 86.70): VU041006.D (-542) (-)

Ion 49.10 (48.80 to 49.80): VU041006.D (-542) (-)



#17

Methyl tert-butyl Ether

Concen: 0.207 ug/L

RT: 3.38 min Scan# 635

Delta R.T. 0.00 min

Lab File: VU041006.D

Acq: 28 Oct 2020 20:48

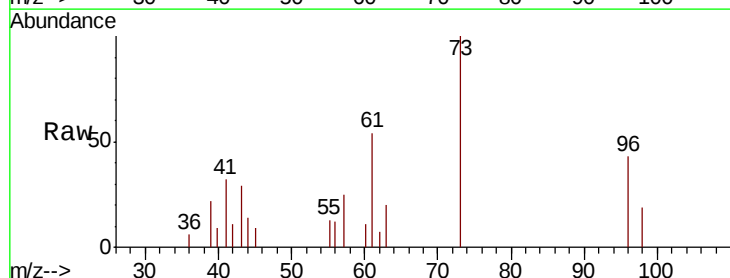
Tgt Ion: 73 Resp: 4097

Ion Ratio Lower Upper

73 100

43 24.2 19.5 29.3

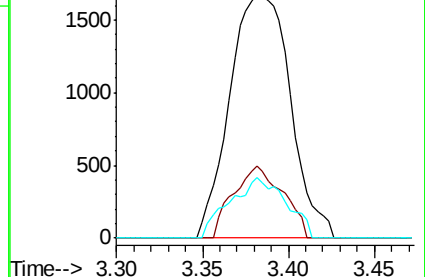
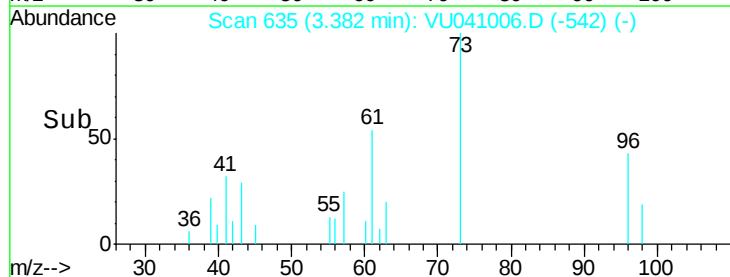
57 23.1 18.9 28.3

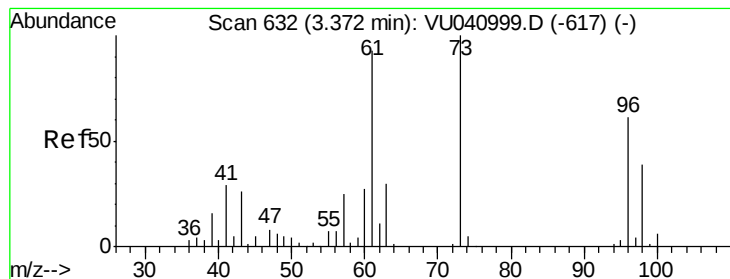


Abundance Ion 73.10 (72.80 to 73.80): VU041006.D (-542) (-)

Ion 43.05 (42.75 to 43.75): VU041006.D (-542) (-)

Ion 57.10 (56.80 to 57.80): VU041006.D (-542) (-)





#18

trans-1,2-Dichloroethene

Concen: 0.239 ug/L

RT: 3.37 min Scan# 631

Delta R.T. -0.00 min

Lab File: VU041006.D

Acq: 28 Oct 2020 20:48

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-05

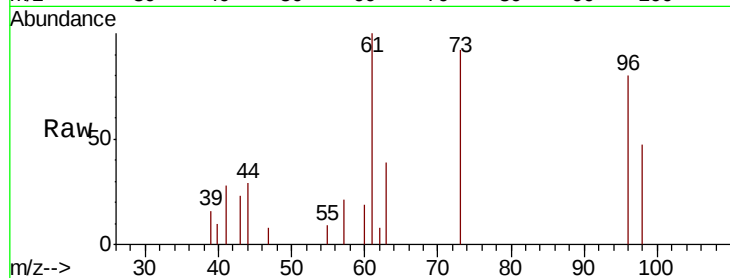
Tot Ion: 96 Resp: 1840

Ion Ratio Lower Upper

96 100

61 124.9 107.2 199.0

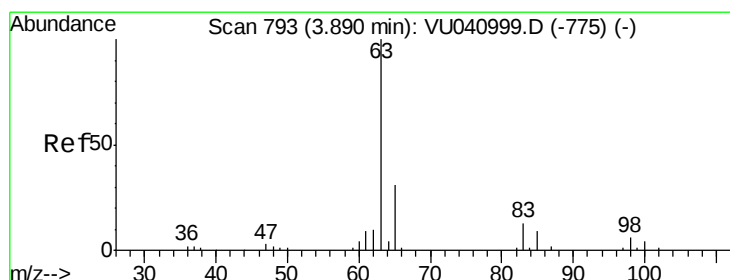
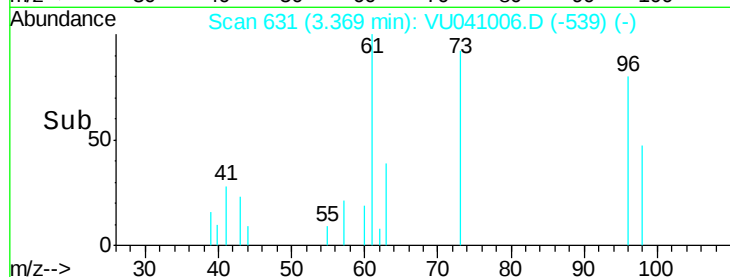
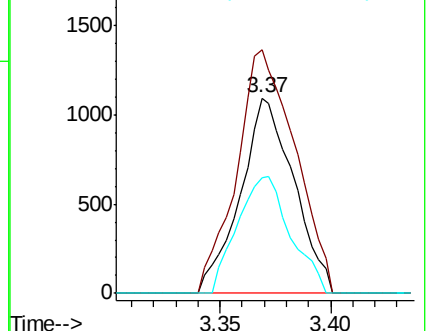
98 59.2 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VU041006.D (-539) (-)

Ion 61.05 (60.75 to 61.75): VU041006.D (-539) (-)

Ion 97.95 (97.65 to 98.65): VU041006.D (-539) (-)



#19

1,1-Dichloroethane

Concen: 0.111 ug/L

RT: 3.88 min Scan# 791

Delta R.T. -0.01 min

Lab File: VU041006.D

Acq: 28 Oct 2020 20:48

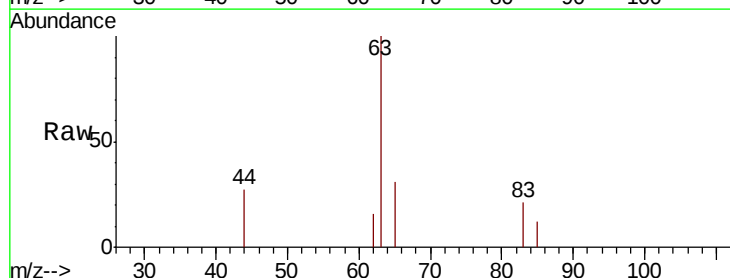
Tgt Ion: 63 Resp: 1765

Ion Ratio Lower Upper

63 100

65 31.4 21.8 40.4

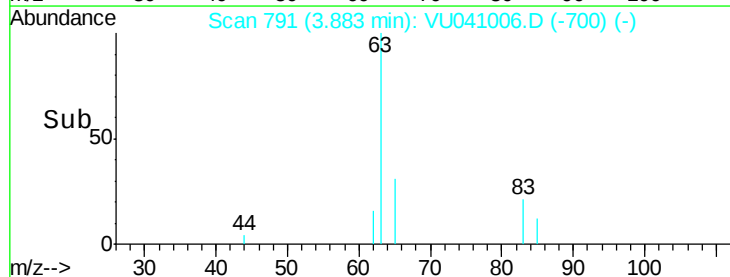
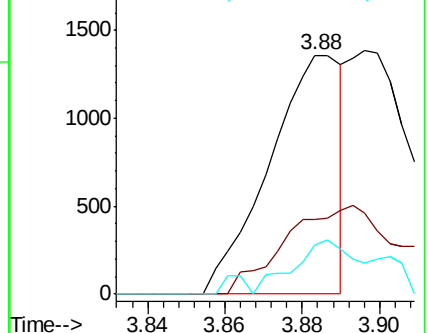
83 20.5 9.3 17.3#

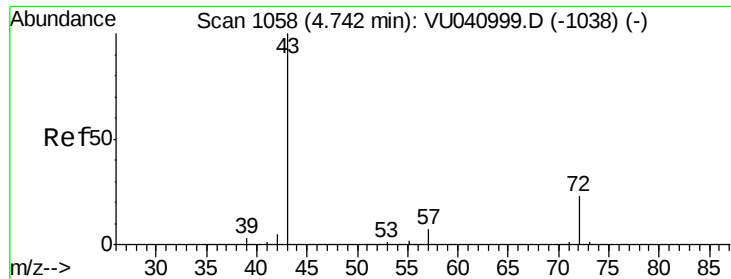


Abundance Ion 63.10 (62.80 to 63.80): VU041006.D (-700) (-)

Ion 65.10 (64.80 to 65.80): VU041006.D (-700) (-)

Ion 83.05 (82.75 to 83.75): VU041006.D (-700) (-)





#21

2-Butanone

Concen: 1.535 ug/L

RT: 4.76 min Scan# 1063

Delta R.T. 0.02 min

Lab File: VU041006.D

Acq: 28 Oct 2020 20:48

Instrument :

MSVOA_U

ClientSampleId :

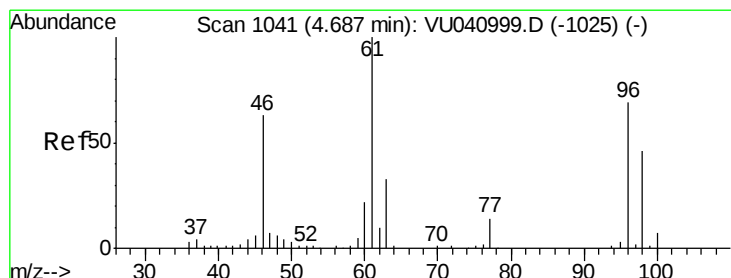
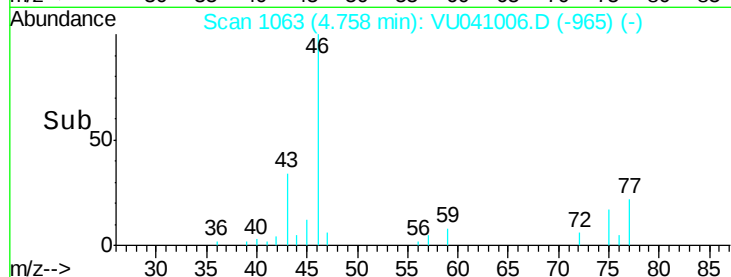
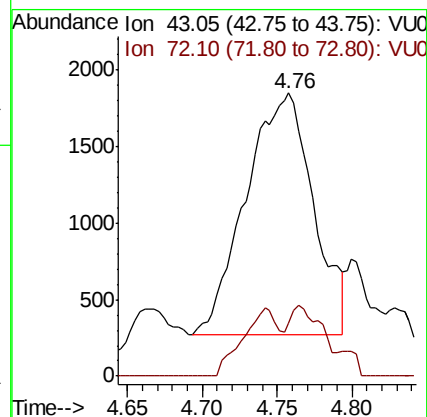
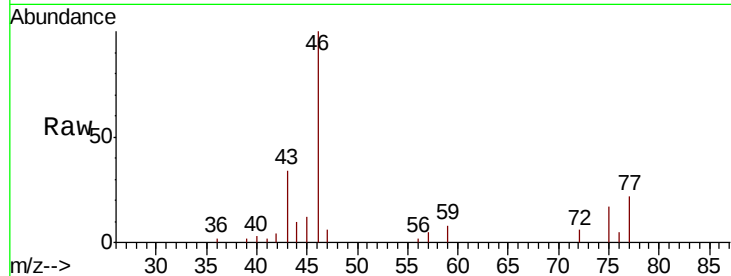
MDL-WATER-05

Tot Ion: 43 Resp: 4915

Ion Ratio Lower Upper

43 100

72 9.3 11.6 34.7#



#22

cis-1,2-Dichloroethene

Concen: 0.207 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. -0.01 min

Lab File: VU041006.D

Acq: 28 Oct 2020 20:48

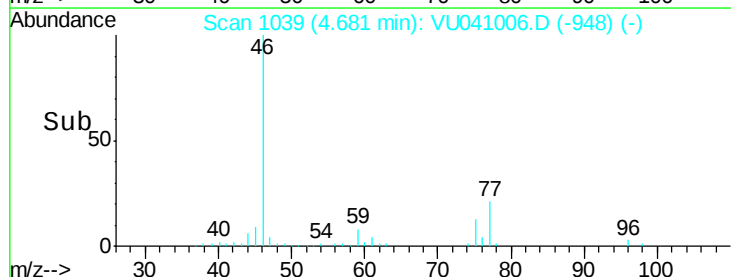
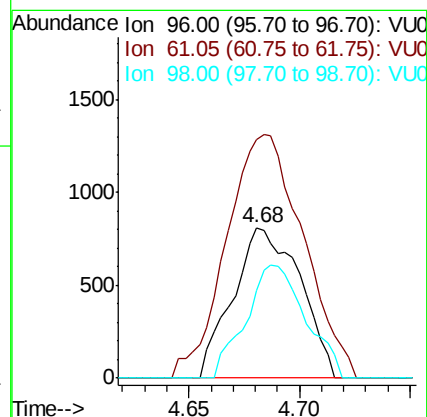
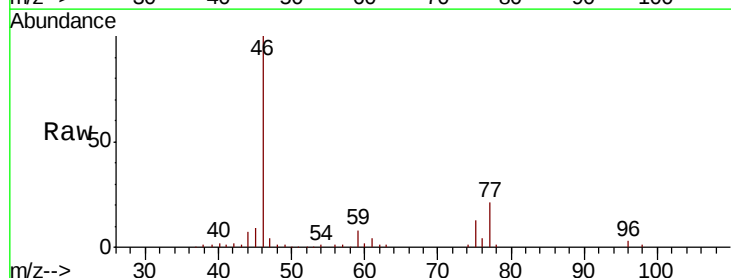
Tgt Ion: 96 Resp: 1707

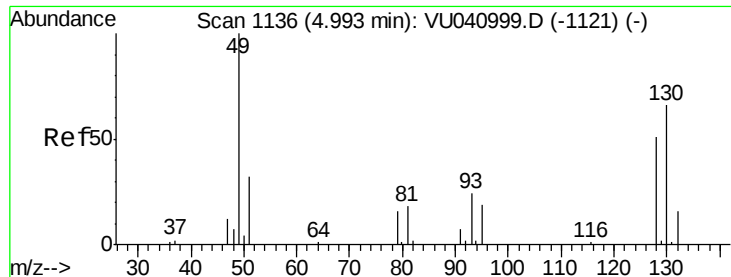
Ion Ratio Lower Upper

96 100

61 157.9 101.7 188.9

98 58.0 46.4 86.2





#23

Bromochloromethane

Concen: 0.204 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VU041006.D

Acq: 28 Oct 2020 20:48

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-05

Tot Ion:128 Resp: 799

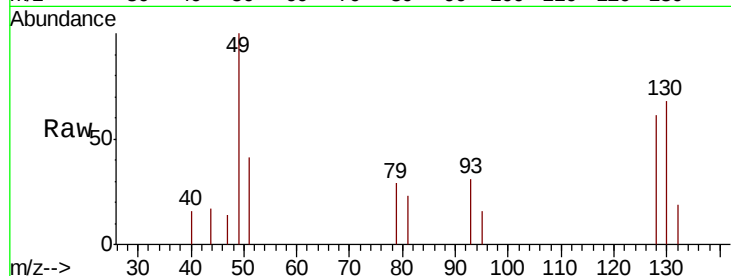
Ion Ratio Lower Upper

128 100

49 164.9 137.5 255.4

130 111.5 90.2 167.4

51 66.9 49.8 74.6

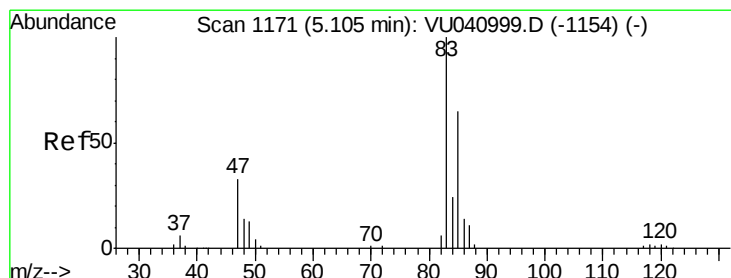
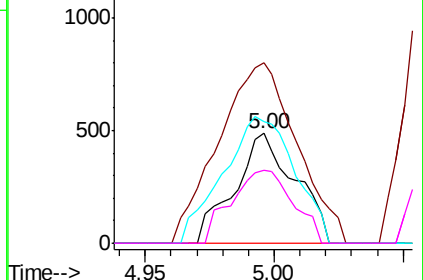
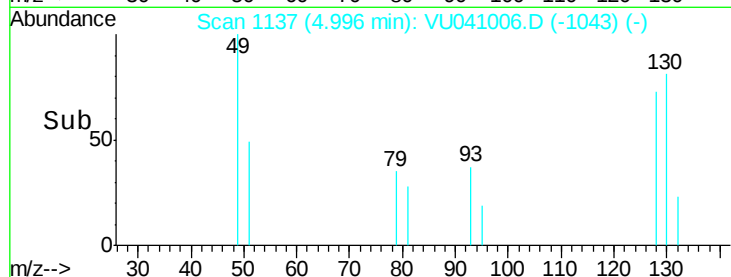


Abundance Ion 127.90 (127.60 to 128.60): V

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: 0.307 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU041006.D

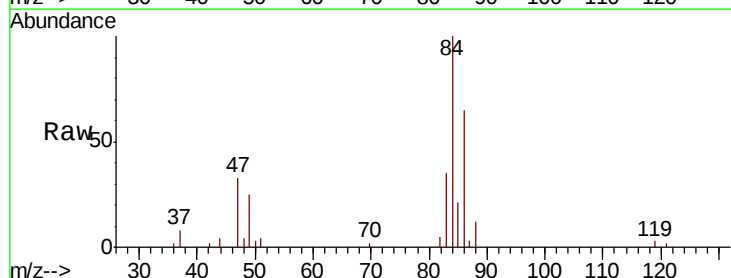
Acq: 28 Oct 2020 20:48

Tgt Ion: 83 Resp: 5003

Ion Ratio Lower Upper

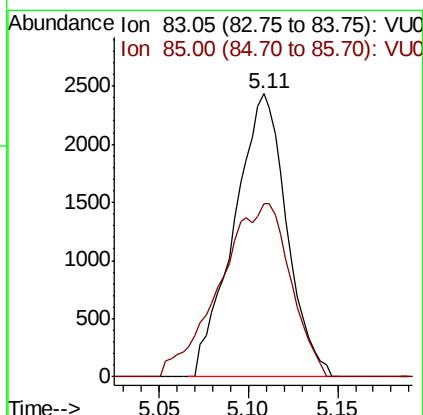
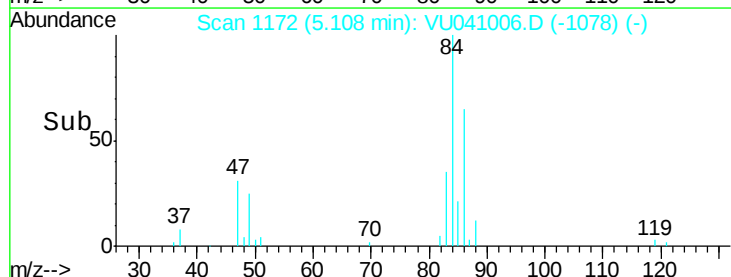
83 100

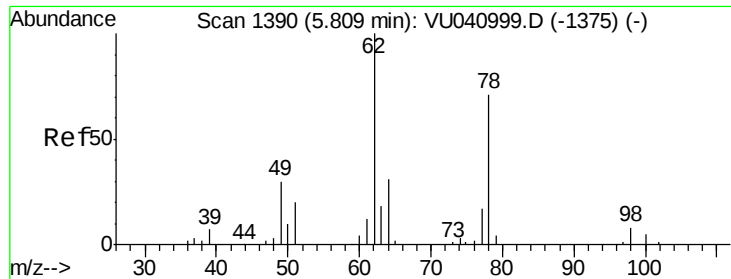
85 61.0 45.5 84.5



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

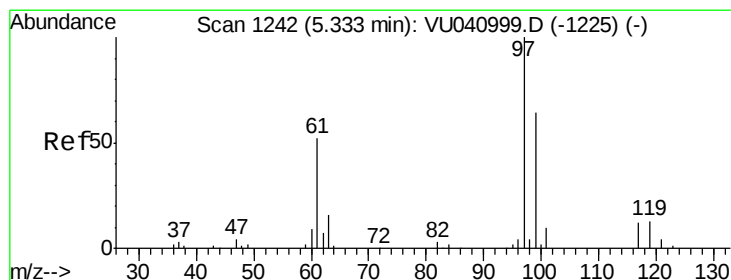
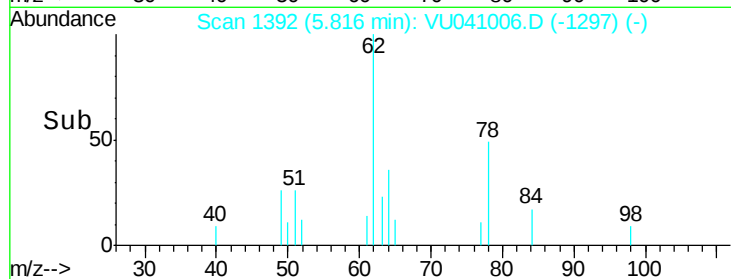
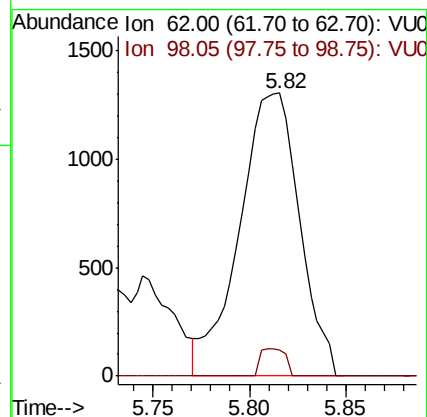
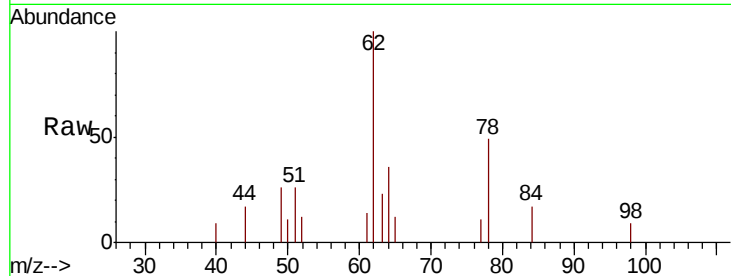




#27
 1,2-Dichloroethane
 Concen: 0.236 ug/L
 RT: 5.82 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VU041006.D
 Acq: 28 Oct 2020 20:48

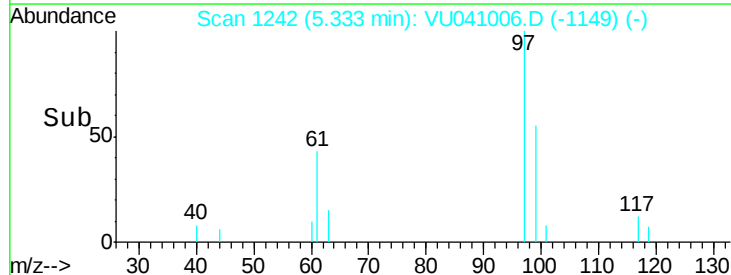
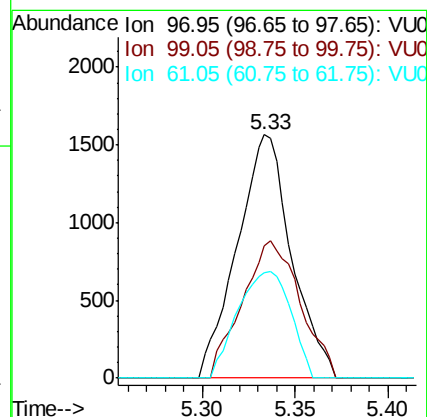
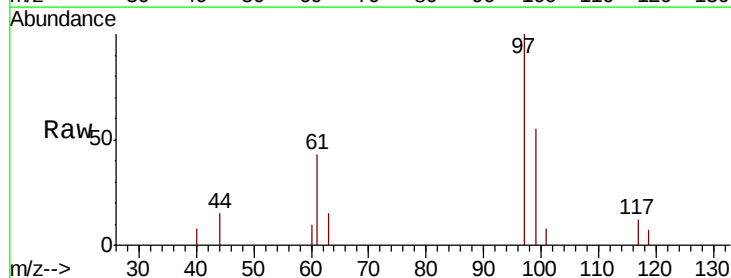
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-05

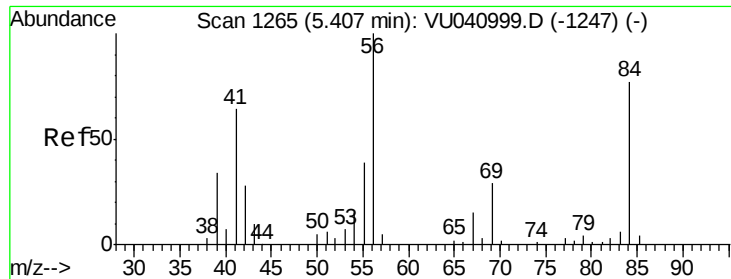
Tot Ion: 62 Resp: 2821
 Ion Ratio Lower Upper
 62 100
 98 9.1 6.1 9.1



#29
 1,1,1-Trichloroethane
 Concen: 0.227 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VU041006.D
 Acq: 28 Oct 2020 20:48

Tgt Ion: 97 Resp: 3182
 Ion Ratio Lower Upper
 97 100
 99 59.9 50.2 75.2
 61 42.8 39.6 59.4

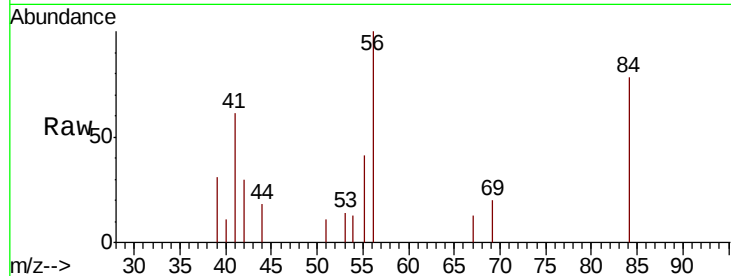




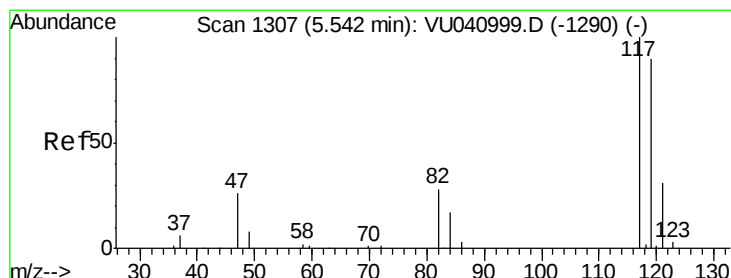
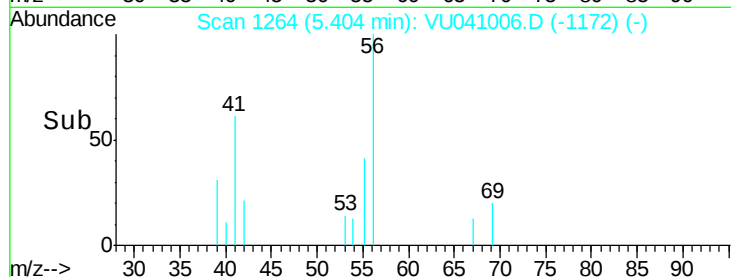
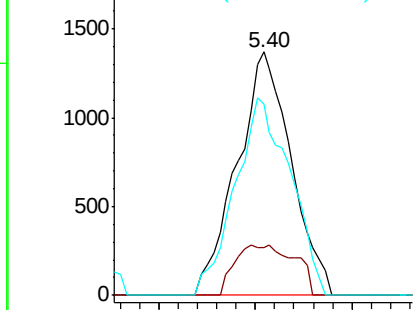
#30
Cyclohexane
Concen: 0.205 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VU041006.D
Acq: 28 Oct 2020 20:48

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-05

Tot Ion: 56 Resp: 2663
Ion Ratio Lower Upper
56 100
69 22.8 23.2 34.8#
84 82.8 62.9 94.3

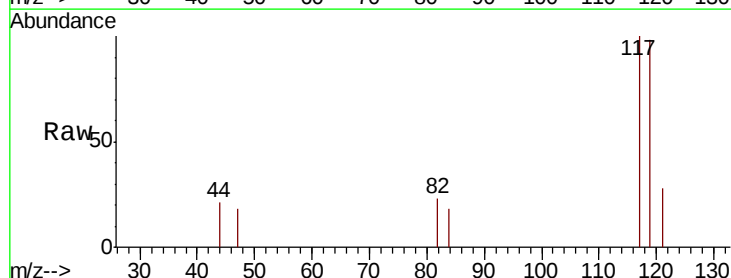


Abundance Ion 56.10 (55.80 to 56.80): VU041006.D (-1172) (-)
Ion 69.15 (68.85 to 69.85): VU041006.D (-1172) (-)
Ion 84.15 (83.85 to 84.85): VU041006.D (-1172) (-)

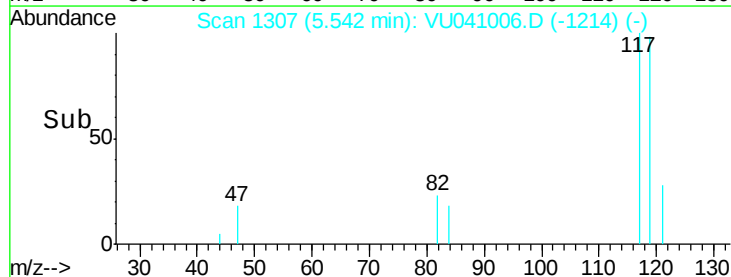
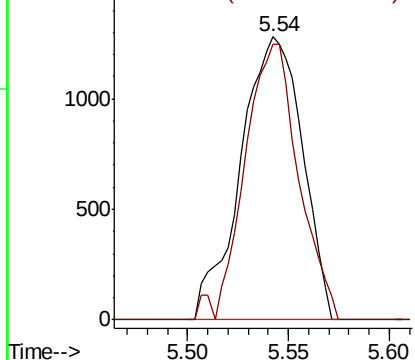


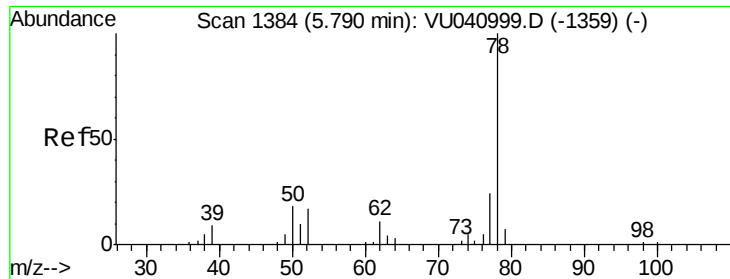
#31
Carbon tetrachloride
Concen: 0.228 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. 0.00 min
Lab File: VU041006.D
Acq: 28 Oct 2020 20:48

Tgt Ion: 117 Resp: 2730
Ion Ratio Lower Upper
117 100
119 85.7 74.4 111.6



Abundance Ion 116.90 (116.60 to 117.60): VU041006.D (-1214) (-)
Ion 118.90 (118.60 to 119.60): VU041006.D (-1214) (-)

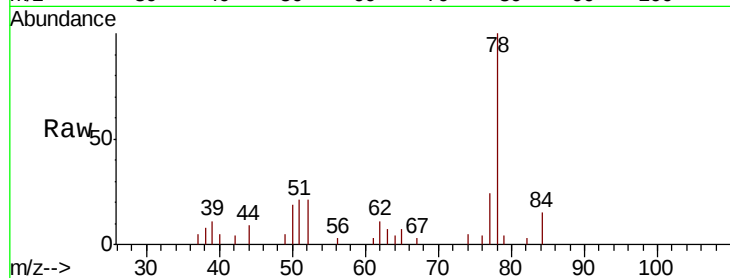




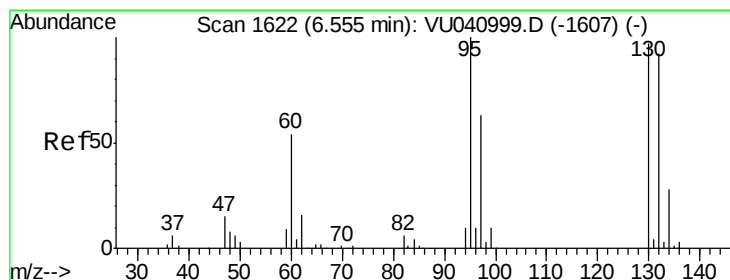
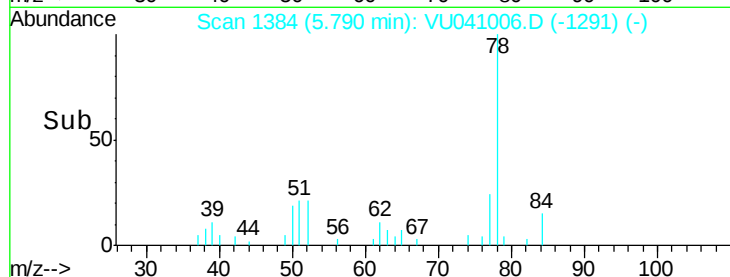
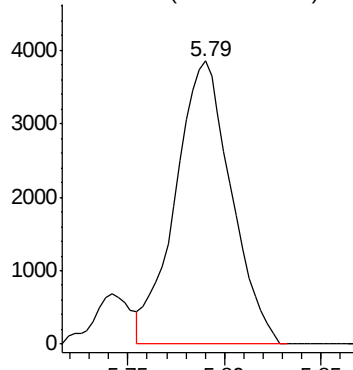
#33
Benzene
Concen: 0.235 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU041006.D
Acq: 28 Oct 2020 20:48

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-05

Tgt Ion: 78 Resp: 7718

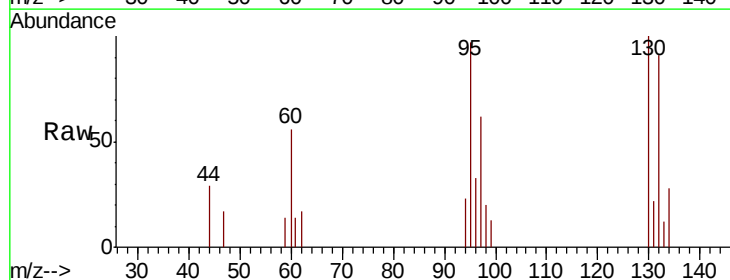


Abundance Ion 78.10 (77.80 to 78.80): VU0



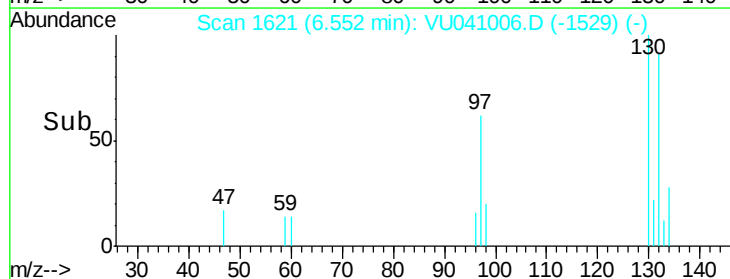
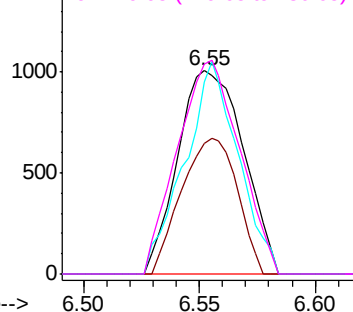
#34
Trichloroethene
Concen: 0.225 ug/L
RT: 6.55 min Scan# 1621
Delta R.T. -0.00 min
Lab File: VU041006.D
Acq: 28 Oct 2020 20:48

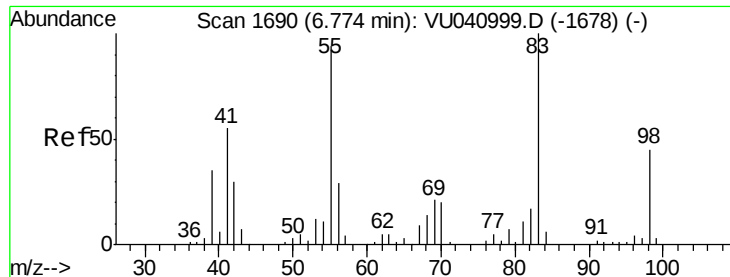
Tgt Ion: 95 Resp: 1975
Ion Ratio Lower Upper
95 100
97 64.1 43.8 81.4
132 94.6 64.5 119.7
130 103.6 67.6 125.6



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): VU0
Ion 129.95 (129.65 to 130.65): VU0

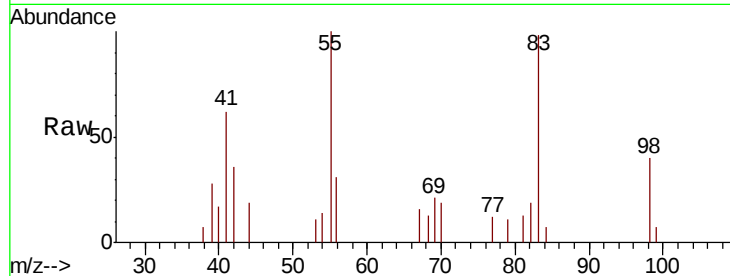




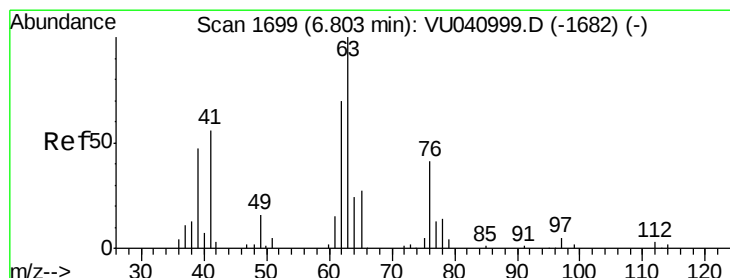
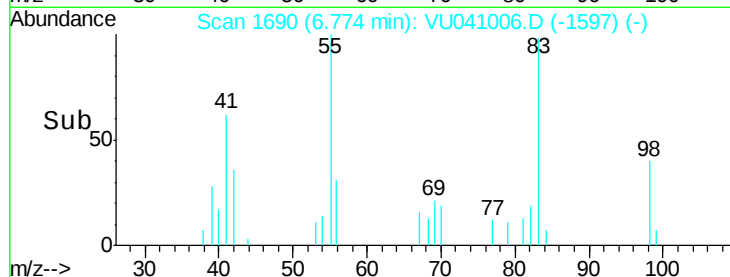
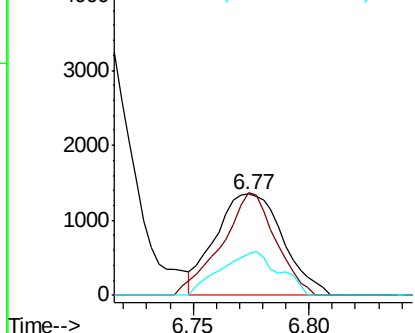
#35
Methvlcvclohexane
Concen: 0.224 ug/L
RT: 6.77 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VU041006.D
Acq: 28 Oct 2020 20:48

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-05

Tot Ion: 83 Resp: 2733
Ion Ratio Lower Upper
83 100
55 80.6 72.7 109.1
98 36.9 35.7 53.5

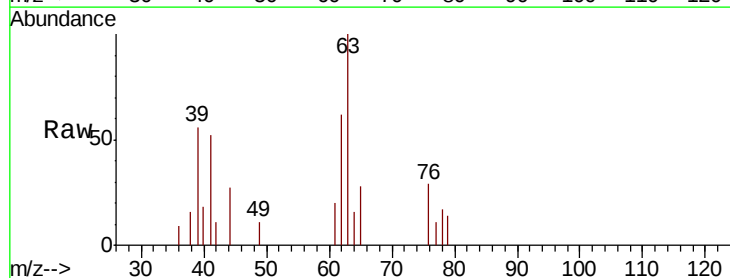


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

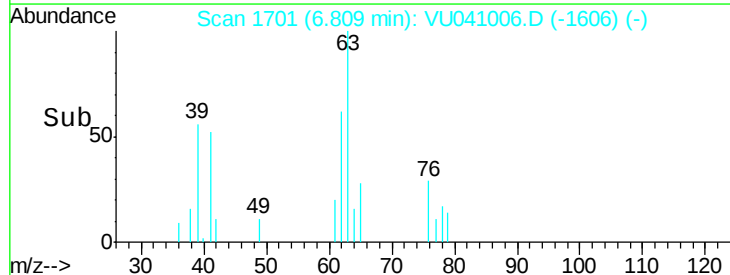
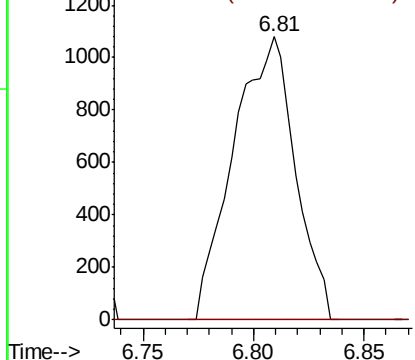


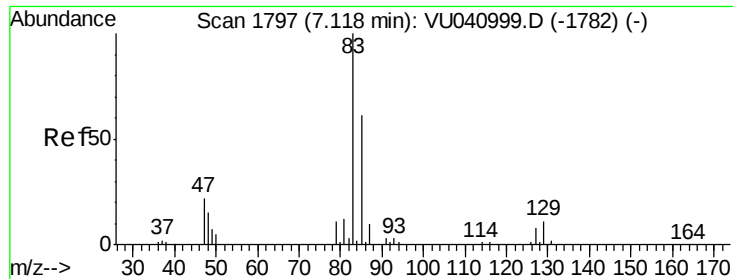
#37
1,2-Dichloropropane
Concen: 0.225 ug/L
RT: 6.81 min Scan# 1701
Delta R.T. 0.01 min
Lab File: VU041006.D
Acq: 28 Oct 2020 20:48

Tgt Ion: 63 Resp: 2098
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

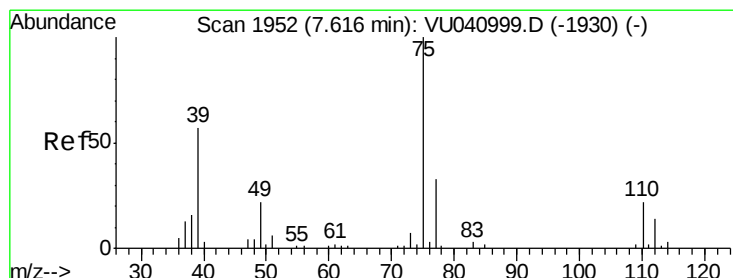
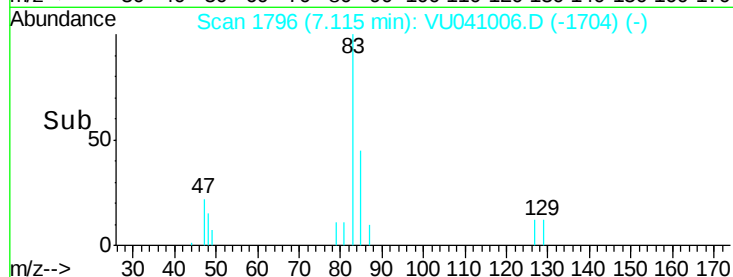
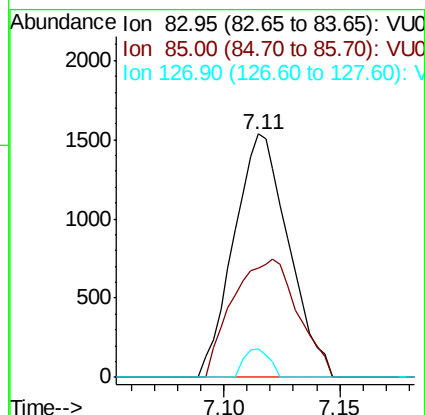
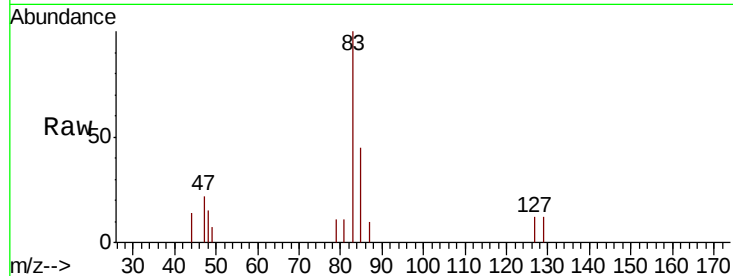




#38
Bromodichloromethane
Concen: 0.215 ug/L
RT: 7.11 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VU041006.D
Acq: 28 Oct 2020 20:48

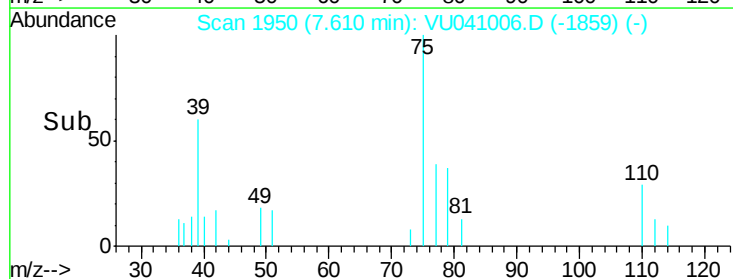
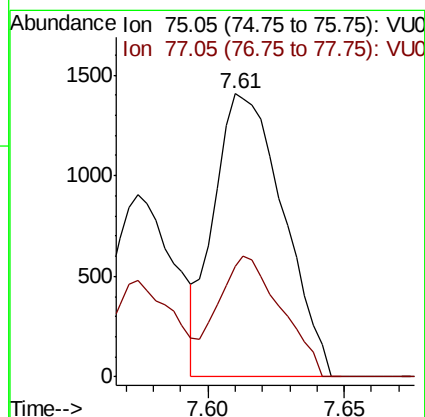
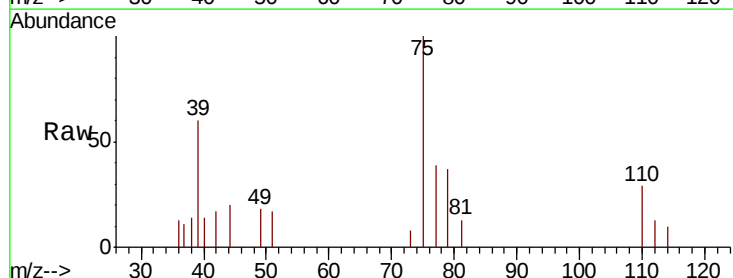
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-05

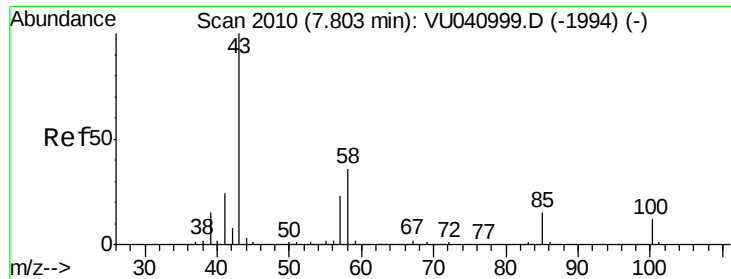
Tot Ion: 83 Resp: 2513
Ion Ratio Lower Upper
83 100
85 44.8 42.9 79.7
127 11.9 6.2 9.2#



#39
cis-1,3-Dichloropropene
Concen: 0.201 ug/L
RT: 7.61 min Scan# 1950
Delta R.T. -0.01 min
Lab File: VU041006.D
Acq: 28 Oct 2020 20:48

Tgt Ion: 75 Resp: 2489
Ion Ratio Lower Upper
75 100
77 38.9 22.7 42.3

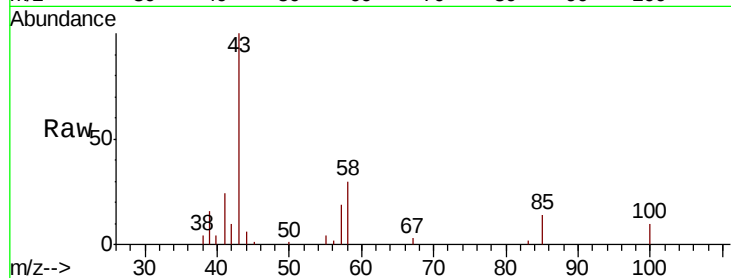




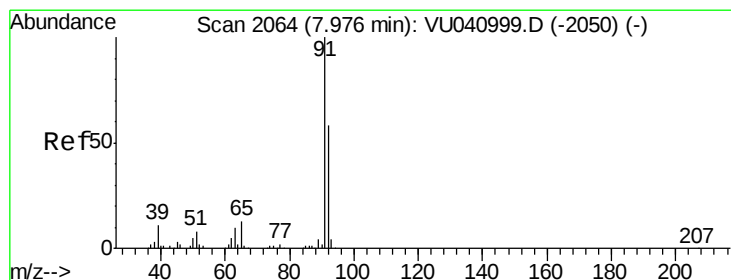
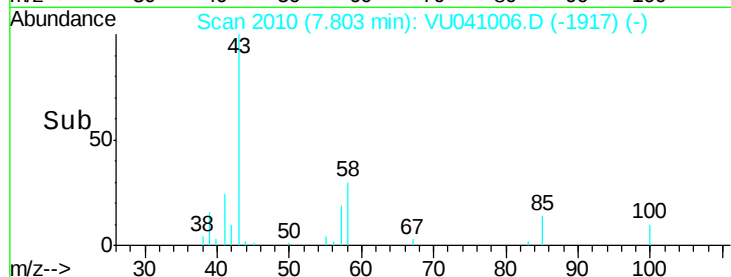
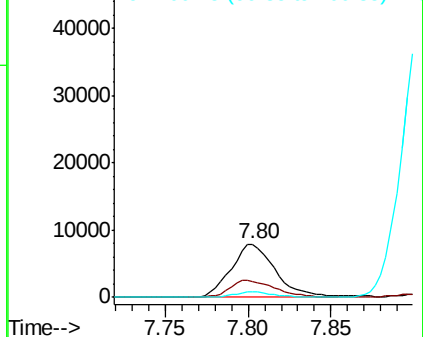
#40
4-Methyl-2-pentanone
Concen: 2.088 ug/L
RT: 7.80 min Scan# 2010
Delta R.T. 0.00 min
Lab File: VU041006.D
Acq: 28 Oct 2020 20:48

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-05

Tot Ion: 43 Resp: 14728
Ion Ratio Lower Upper
43 100
58 32.1 28.6 43.0
100 0.0 9.6 14.4#

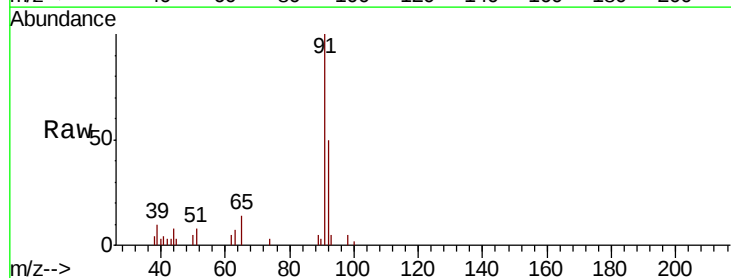


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 100.15 (99.85 to 100.85): VU0

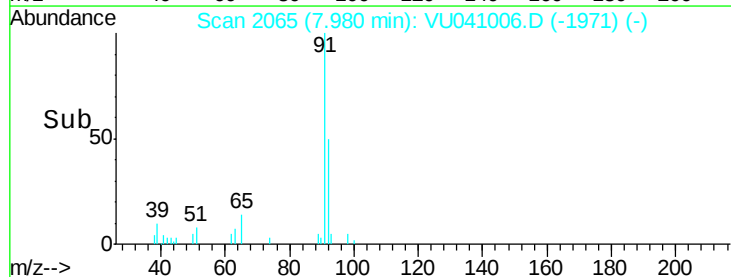
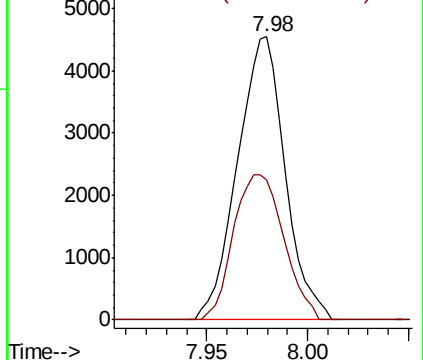


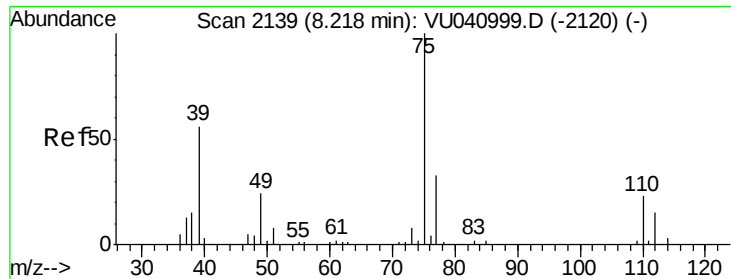
#42
Toluene
Concen: 0.226 ug/L
RT: 7.98 min Scan# 2065
Delta R.T. 0.00 min
Lab File: VU041006.D
Acq: 28 Oct 2020 20:48

Tgt Ion: 91 Resp: 7520
Ion Ratio Lower Upper
91 100
92 49.5 40.5 75.1



Abundance Ion 91.15 (90.85 to 91.85): VU0
Ion 92.15 (91.85 to 92.85): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.292 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU041006.D

Acq: 28 Oct 2020 20:48

Instrument :

MSVOA_U

ClientSampleId :

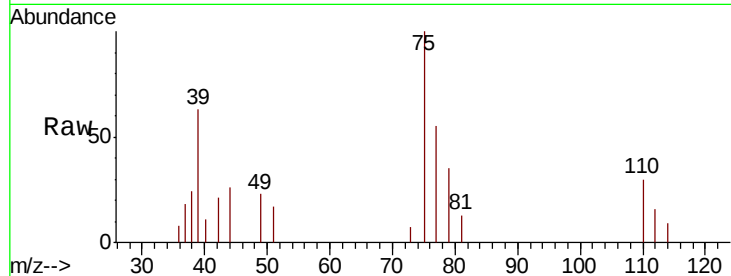
MDL-WATER-05

Tot Ion: 75 Resp: 3363

Ion Ratio Lower Upper

75 100

77 54.8 23.0 42.6#



Abundance Ion 75.05 (74.75 to 75.75): VU040999.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU040999.D (-2120) (-)

8.22

1500

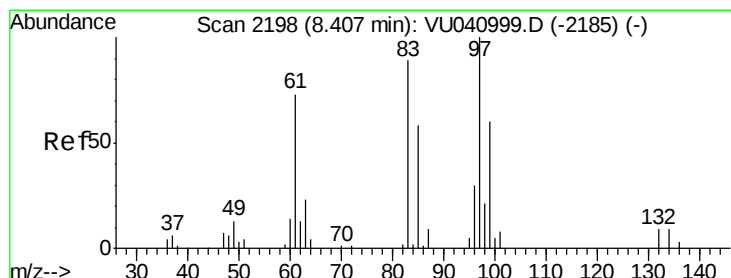
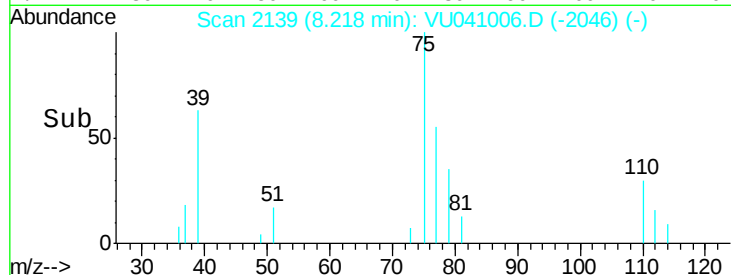
1000

500

0

8.15 8.20 8.25

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.204 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VU041006.D

Acq: 28 Oct 2020 20:48

Tgt Ion: 97 Resp: 1359

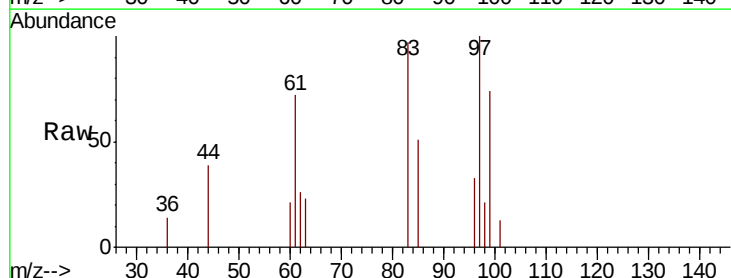
Ion Ratio Lower Upper

97 100

99 73.8 41.8 77.6

83 97.1 62.2 115.6

85 51.5 40.3 74.8



Abundance Ion 96.95 (96.65 to 97.65): VU040999.D (-2185) (-)

Ion 99.05 (98.75 to 99.75): VU040999.D (-2185) (-)

Ion 82.95 (82.65 to 83.65): VU040999.D (-2185) (-)

Ion 85.00 (84.70 to 85.70): VU040999.D (-2185) (-)

1200

1000

800

600

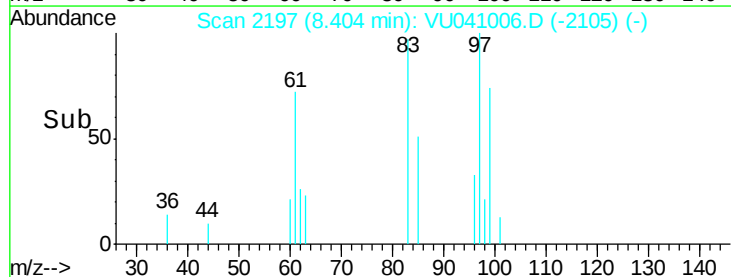
400

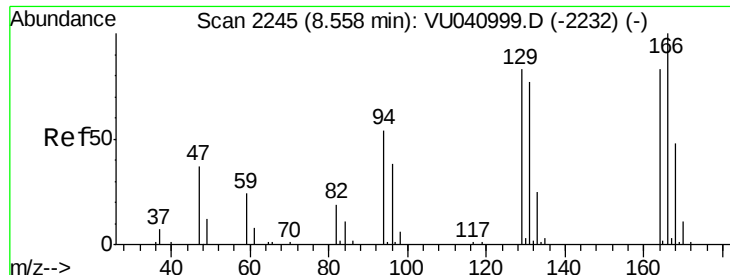
200

0

8.35 8.40 8.45

Time-->

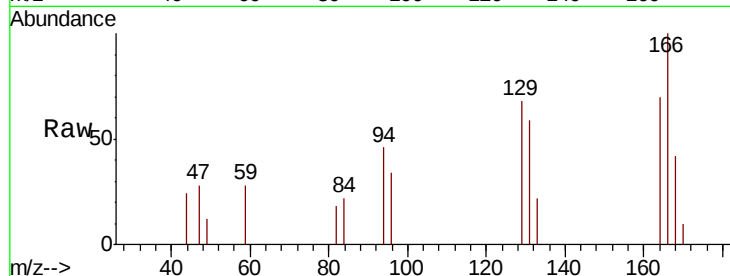




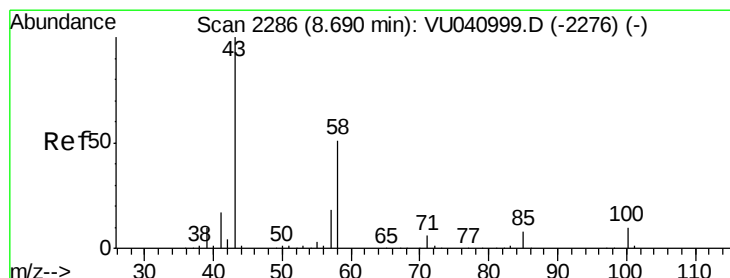
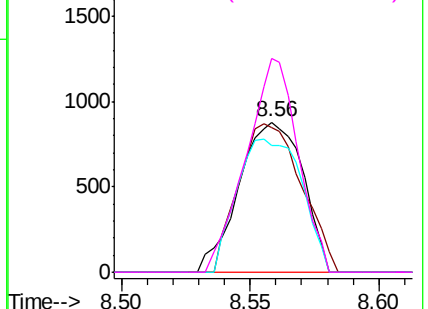
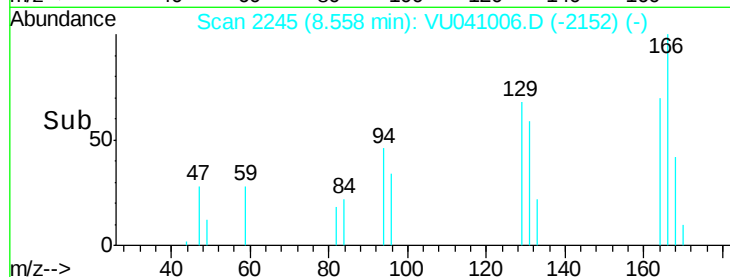
#47
Tetrachloroethene
Concen: 0.251 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VU041006.D
Acq: 28 Oct 2020 20:48

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-05

Tot Ion:164 Resp: 1521
Ion Ratio Lower Upper
164 100
129 96.0 69.9 129.7
131 84.3 65.0 120.6
166 142.2 84.1 156.1

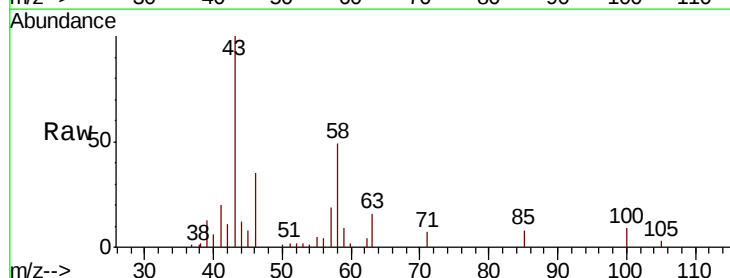


Abundance Ion 163.90 (163.60 to 164.60): V
2000
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

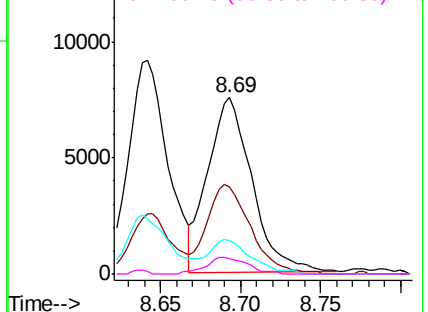
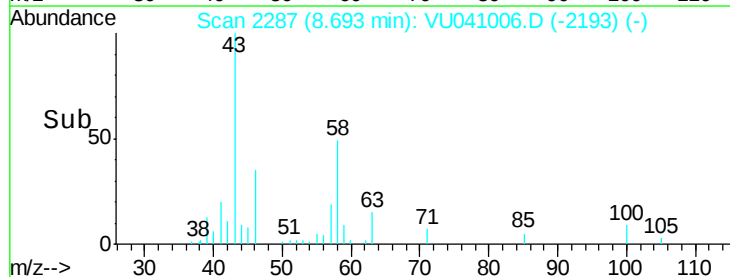


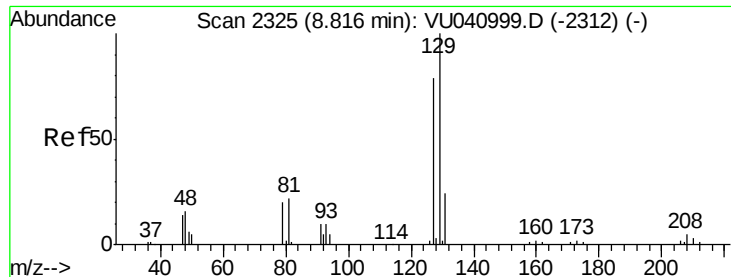
#48
2-Hexanone
Concen: 2.701 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU041006.D
Acq: 28 Oct 2020 20:48

Tgt Ion: 43 Resp: 14296
Ion Ratio Lower Upper
43 100
58 50.8 39.9 59.9
57 19.4 14.1 21.1
100 9.0 7.5 11.3



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: 0.228 ug/L

RT: 8.82 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU041006.D

Acq: 28 Oct 2020 20:48

Instrument :

MSVOA_U

ClientSampleId :

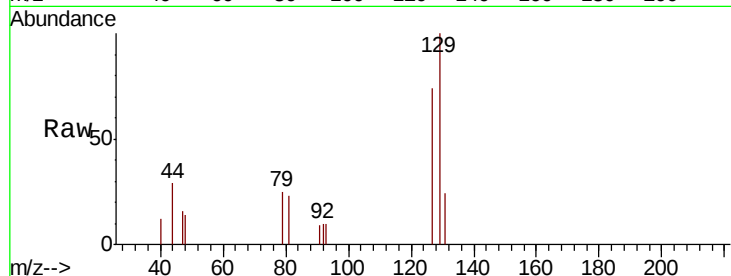
MDL-WATER-05

Tot Ion:129 Resp: 1757

Ion Ratio Lower Upper

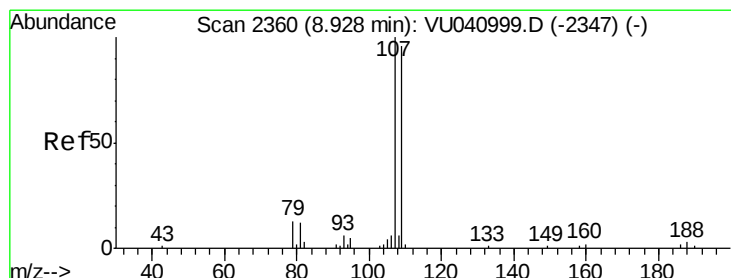
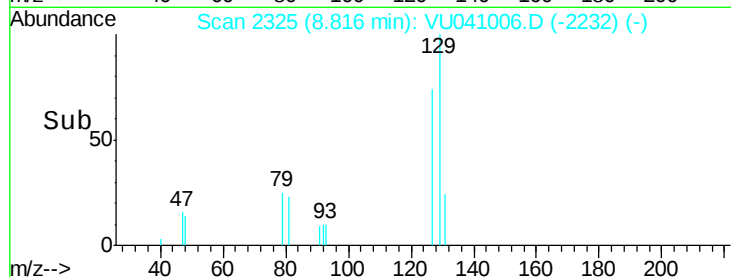
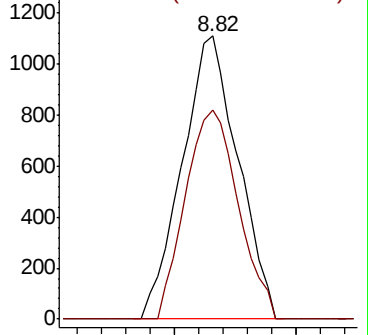
129 100

127 73.7 55.3 102.7



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#50

1,2-Dibromoethane

Concen: 0.218 ug/L

RT: 8.92 min Scan# 2359

Delta R.T. -0.00 min

Lab File: VU041006.D

Acq: 28 Oct 2020 20:48

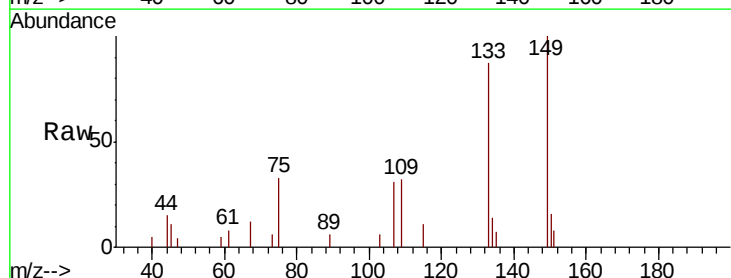
Tgt Ion:107 Resp: 1364

Ion Ratio Lower Upper

107 100

109 103.0 67.1 124.5

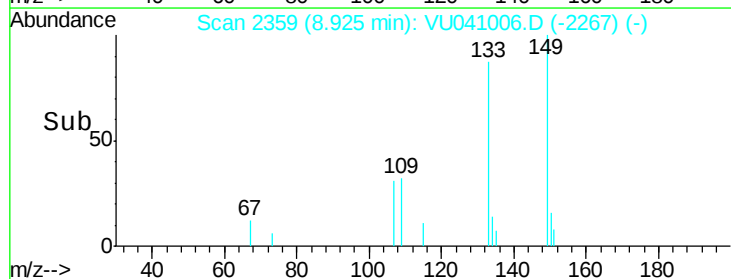
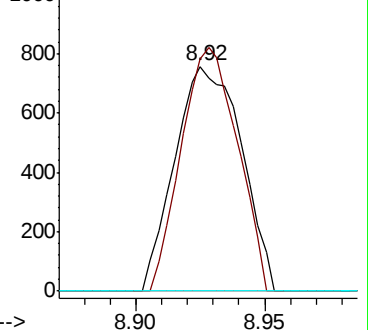
188 0.0 2.3 3.5#

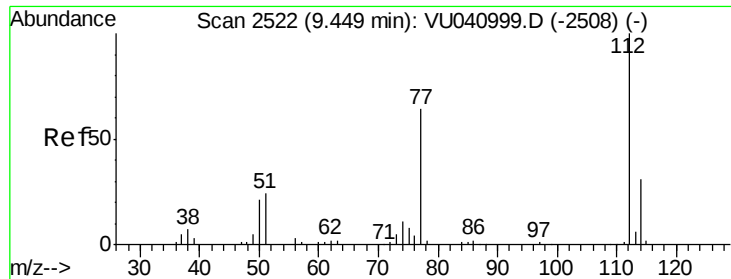


Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V

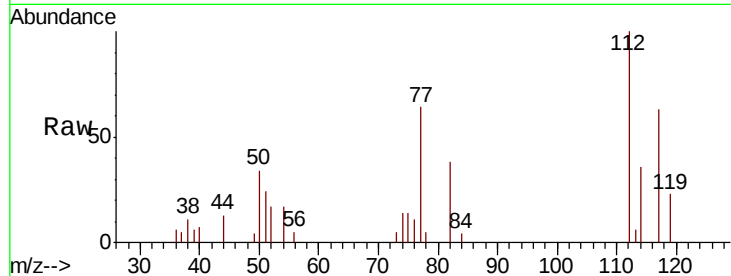




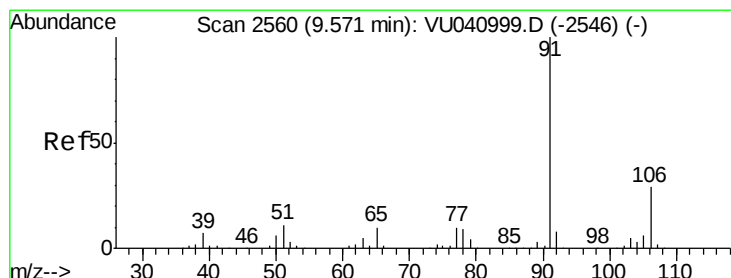
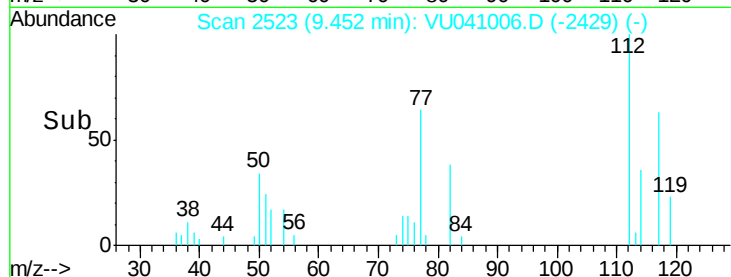
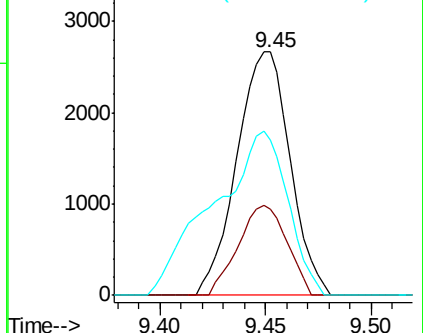
#51
Chlorobenzene
Concen: 0.219 ug/L
RT: 9.45 min Scan# 2523
Delta R.T. 0.00 min
Lab File: VU041006.D
Acq: 28 Oct 2020 20:48

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-05

Tot Ion: 112 Resp: 4677
Ion Ratio Lower Upper
112 100
114 35.5 21.9 40.7
77 63.8 51.4 77.2

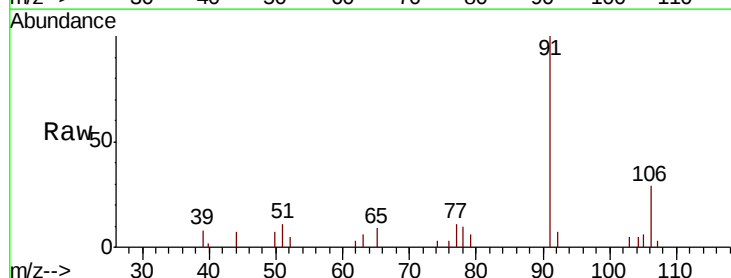


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

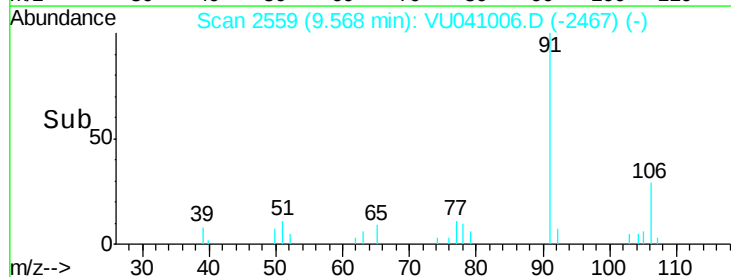
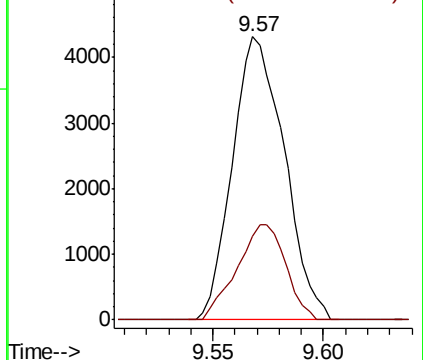


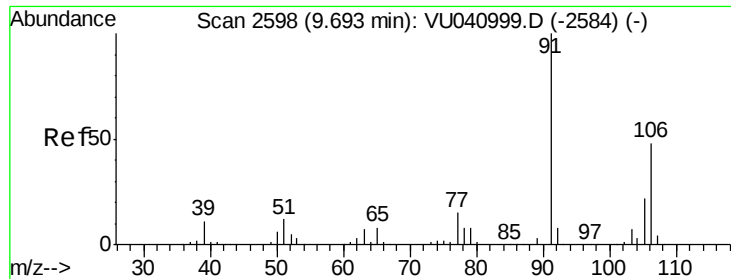
#52
Ethylbenzene
Concen: 0.204 ug/L
RT: 9.57 min Scan# 2559
Delta R.T. -0.00 min
Lab File: VU041006.D
Acq: 28 Oct 2020 20:48

Tgt Ion: 91 Resp: 7042
Ion Ratio Lower Upper
91 100
106 29.4 20.6 38.4



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





#53

m,p-Xylene

Concen: 0.178 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU041006.D

Acq: 28 Oct 2020 20:48

Instrument :

MSVOA_U

ClientSampleId :

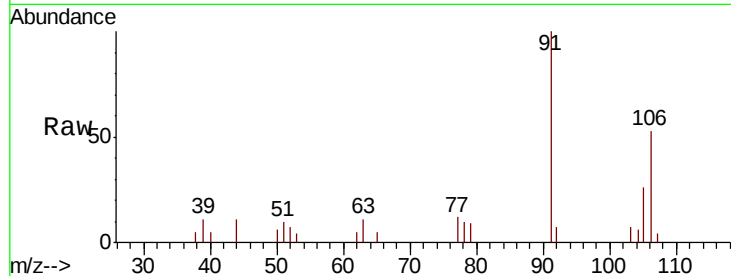
MDL-WATER-05

Tot Ion:106 Resp: 2227

Ion Ratio Lower Upper

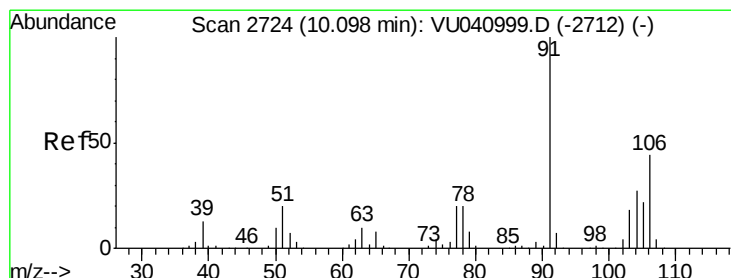
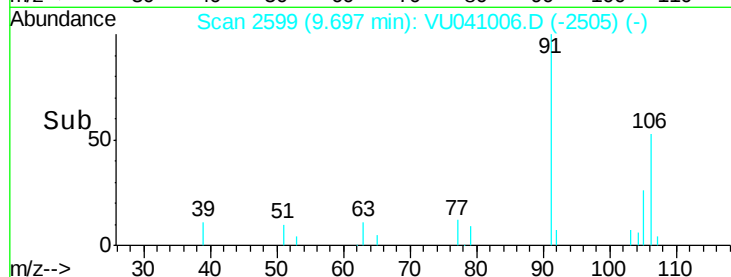
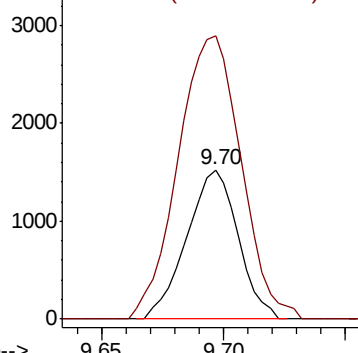
106 100

91 190.0 147.6 274.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.191 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VU041006.D

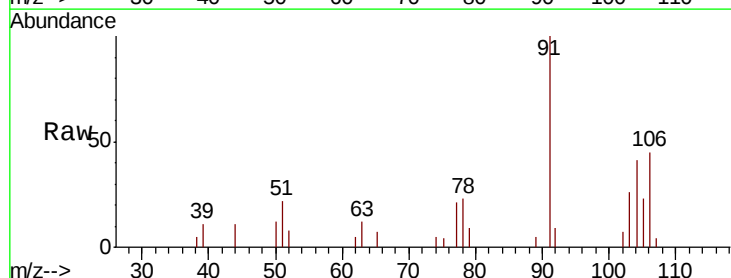
Acq: 28 Oct 2020 20:48

Tgt Ion:106 Resp: 2284

Ion Ratio Lower Upper

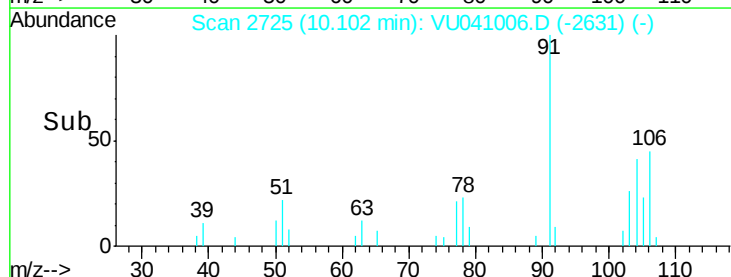
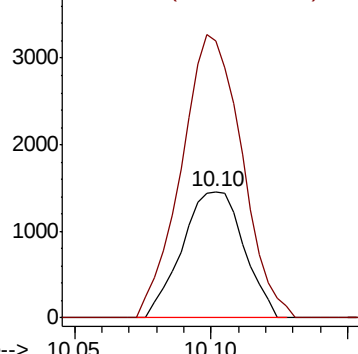
106 100

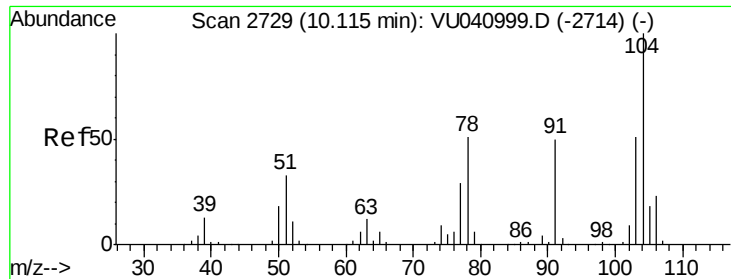
91 220.0 158.3 294.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

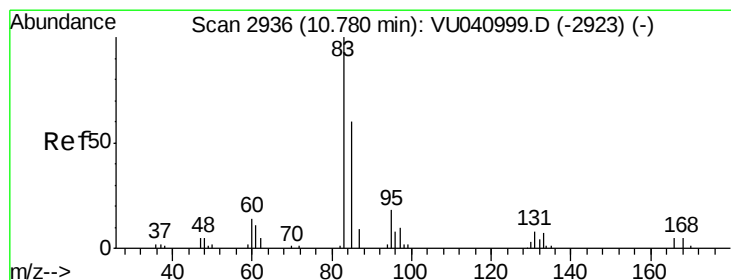
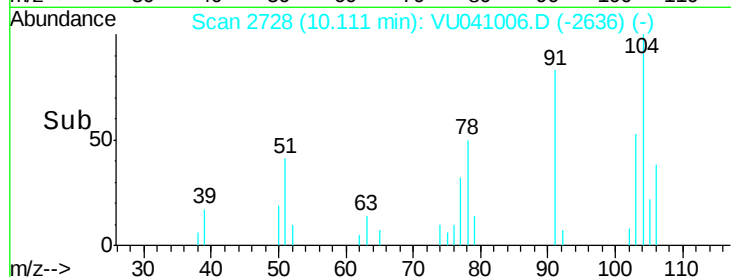
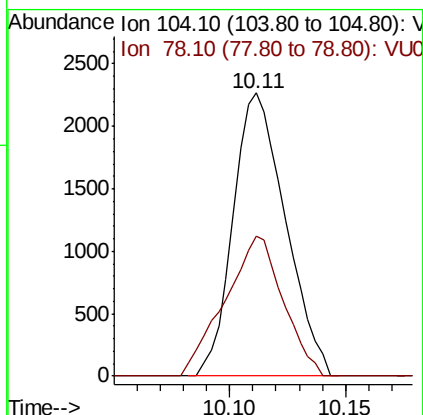
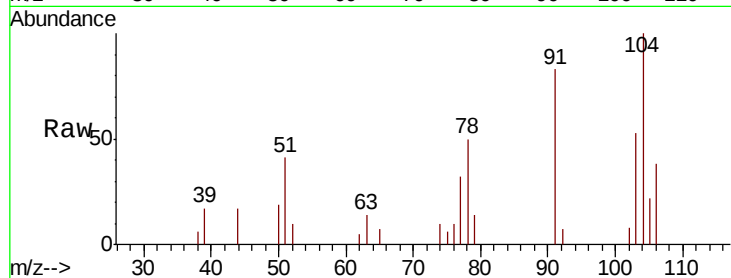




#55
Stvrene
Concen: 0.171 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. -0.00 min
Lab File: VU041006.D
Acq: 28 Oct 2020 20:48

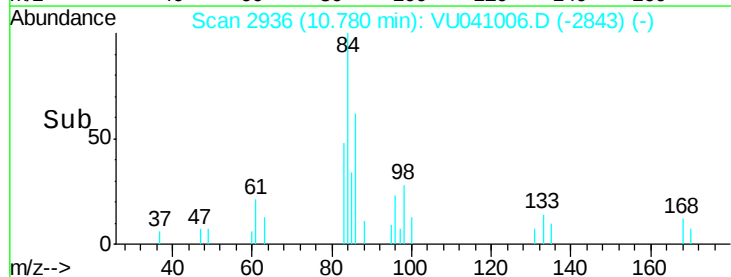
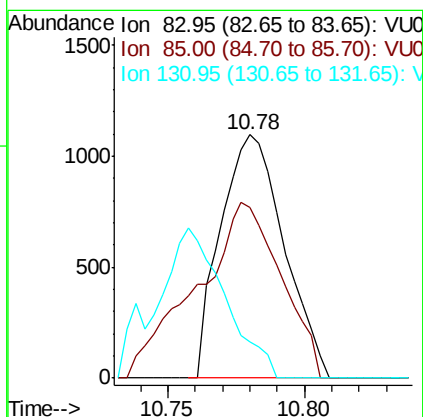
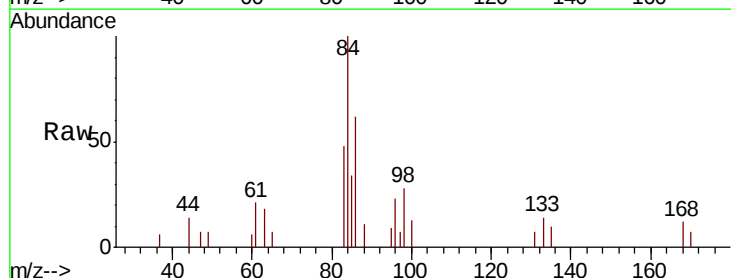
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-05

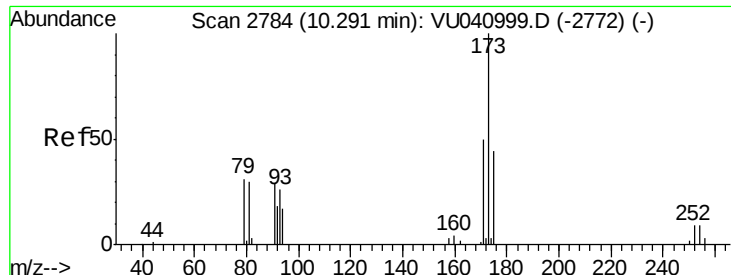
Tot Ion:104 Resp: 3546
Ion Ratio Lower Upper
104 100
78 49.6 35.6 66.2



#57
1,1,2,2-Tetrachloroethane
Concen: 0.206 ug/L
RT: 10.78 min Scan# 2936
Delta R.T. 0.00 min
Lab File: VU041006.D
Acq: 28 Oct 2020 20:48

Tgt Ion: 83 Resp: 1770
Ion Ratio Lower Upper
83 100
85 70.2 42.1 78.3
131 14.7 6.7 10.1#





#59

Bromoform

Concen: 0.244 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU041006.D

Acq: 28 Oct 2020 20:48

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-05

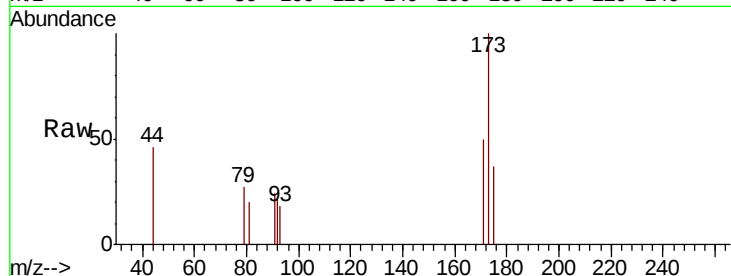
Tot Ion:173 Resp: 928

Ion Ratio Lower Upper

173 100

175 40.9 36.7 55.1

254 0.0 6.5 9.7#



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V

10.29

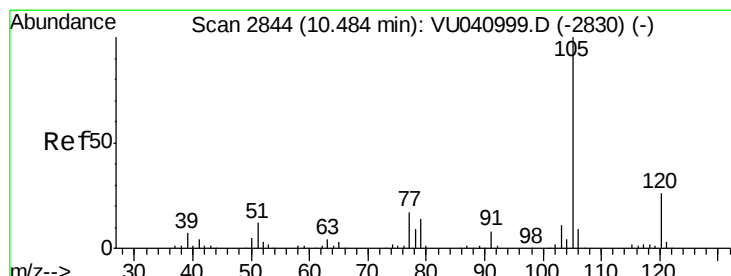
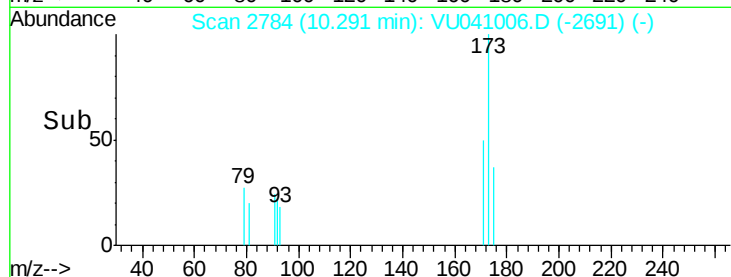
600

400

200

0

Time-->



#60

Isopropylbenzene

Concen: 0.184 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU041006.D

Acq: 28 Oct 2020 20:48

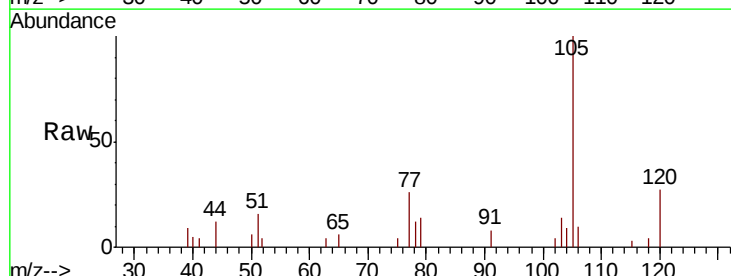
Tgt Ion:105 Resp: 5220

Ion Ratio Lower Upper

105 100

120 27.9 20.2 30.4

77 21.3 14.4 21.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0

10.48

4000

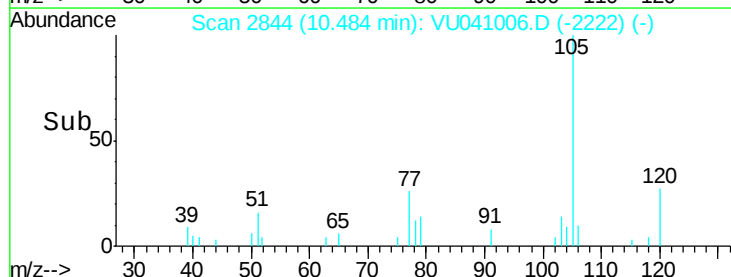
3000

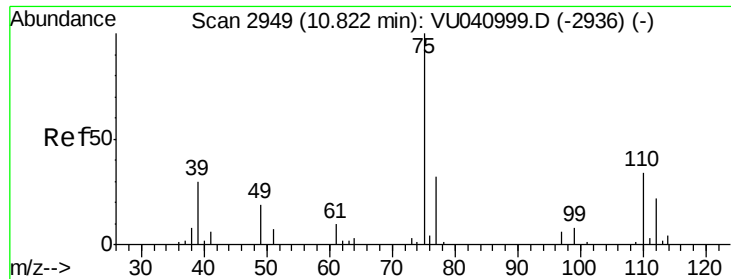
2000

1000

0

Time-->

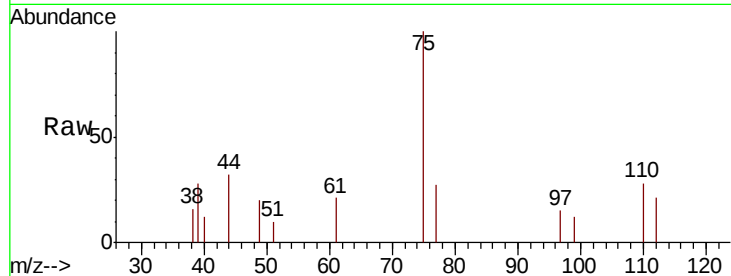




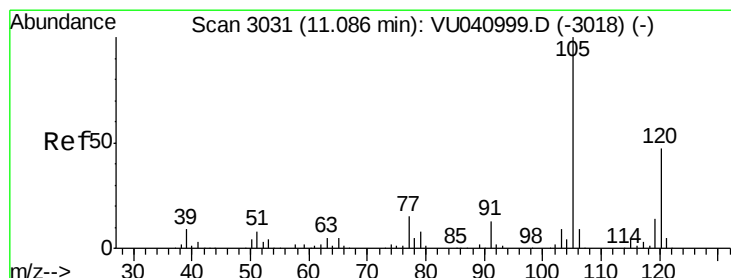
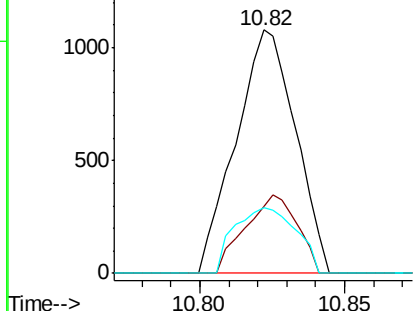
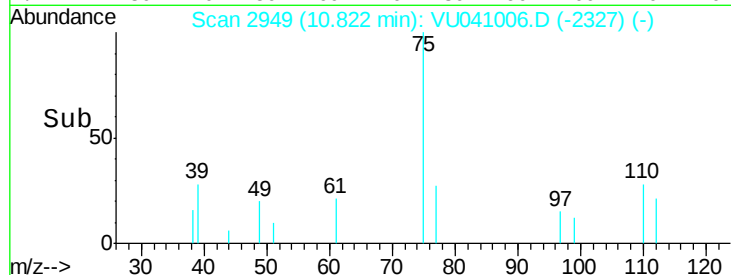
#61
 1,2,3-Trichloropropane
 Concen: 0.262 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU041006.D
 Acq: 28 Oct 2020 20:48

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-05

Tot Ion: 75 Resp: 1538
 Ion Ratio Lower Upper
 75 100
 110 28.2 27.5 41.3
 77 27.8 24.9 37.3

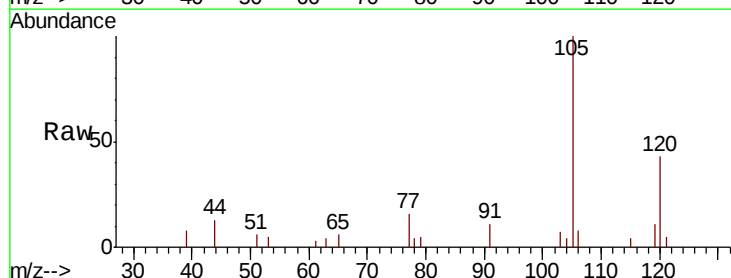


Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 110.00 (109.70 to 110.70): V
 Ion 77.00 (76.70 to 77.70): VU0

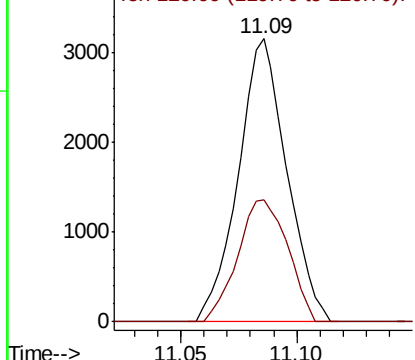
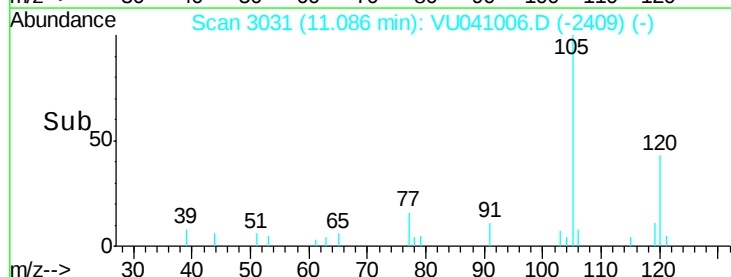


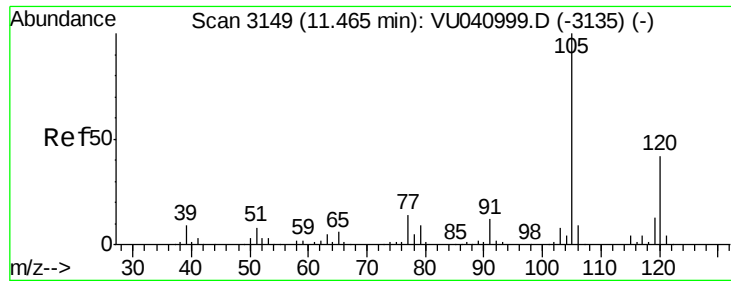
#62
 1,3,5-Trimethylbenzene
 Concen: 0.202 ug/L
 RT: 11.09 min Scan# 3031
 Delta R.T. 0.00 min
 Lab File: VU041006.D
 Acq: 28 Oct 2020 20:48

Tgt Ion: 105 Resp: 4576
 Ion Ratio Lower Upper
 105 100
 120 44.3 38.0 57.0



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

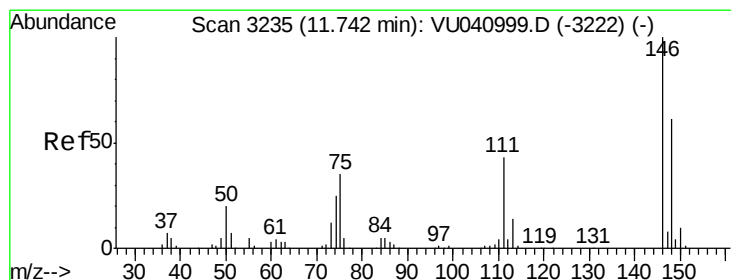
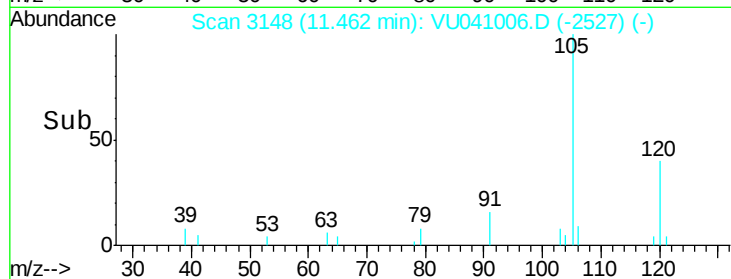
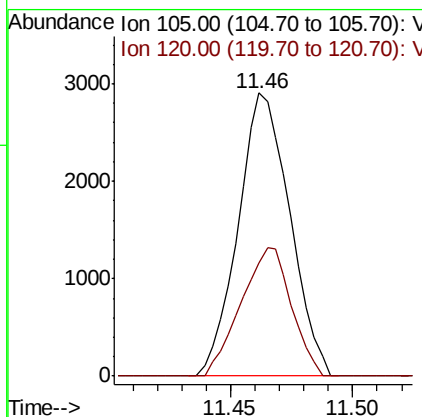
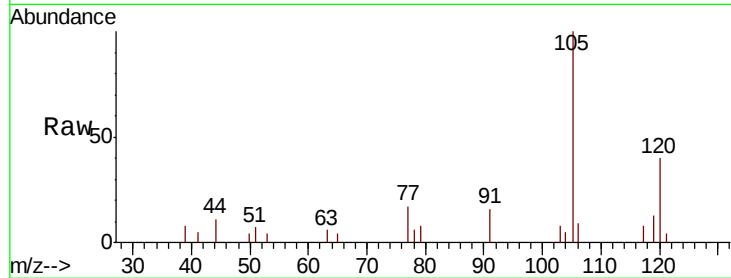




#63
 1,2,4-Trimethylbenzene
 Concen: 0.185 ug/L
 RT: 11.46 min Scan# 3148
 Delta R.T. -0.00 min
 Lab File: VU041006.D
 Acq: 28 Oct 2020 20:48

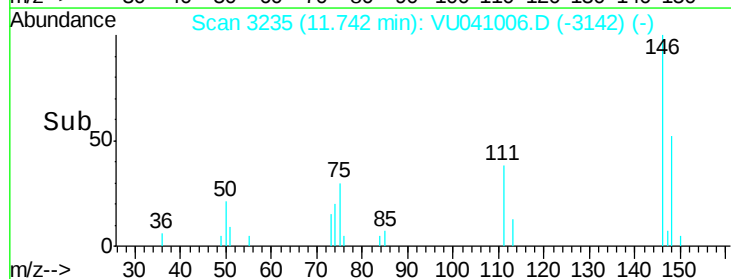
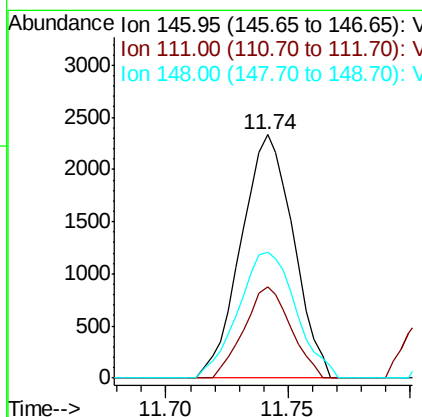
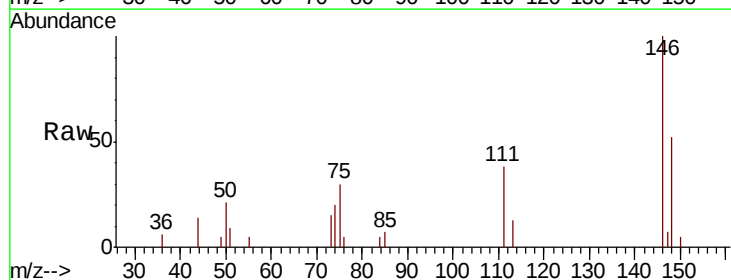
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-05

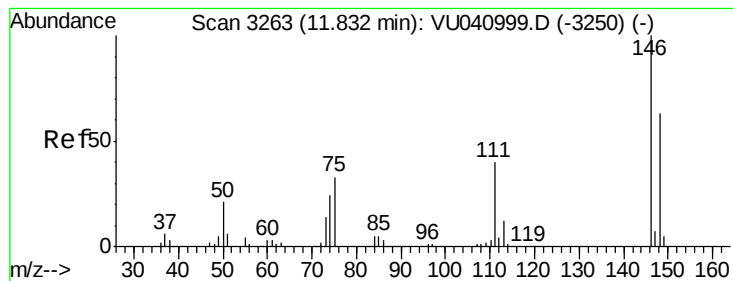
Tot Ion:105 Resp: 4265
 Ion Ratio Lower Upper
 105 100
 120 44.2 34.6 52.0



#64
 1,3-Dichlorobenzene
 Concen: 0.245 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041006.D
 Acq: 28 Oct 2020 20:48

Tgt Ion:146 Resp: 3464
 Ion Ratio Lower Upper
 146 100
 111 37.6 30.2 56.0
 148 51.5 42.9 79.7





#65

1,4-Dichlorobenzene

Concen: 0.222 ug/L

RT: 11.83 min Scan# 3264

Delta R.T. 0.00 min

Lab File: VU041006.D

Acq: 28 Oct 2020 20:48

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-05

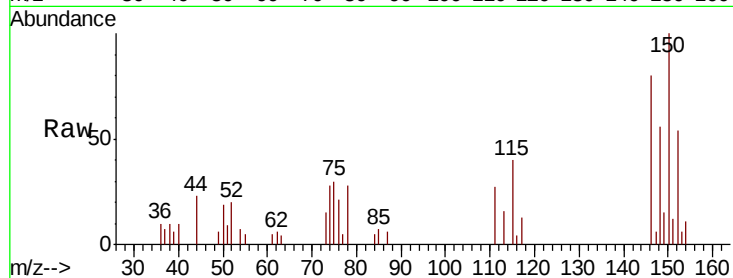
Tot Ion:146 Resp: 3204

Ion Ratio Lower Upper

146 100

111 33.9 28.3 52.7

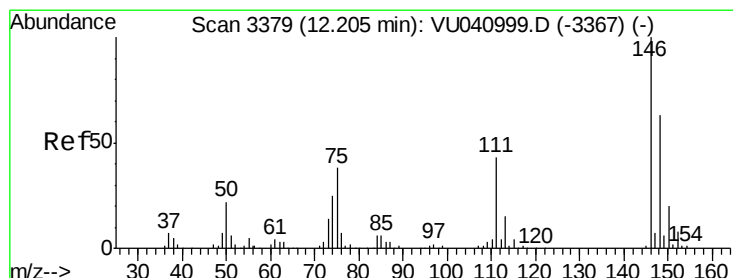
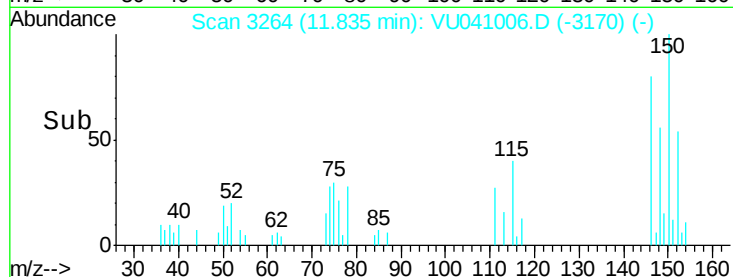
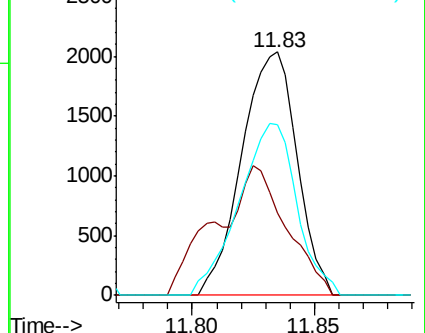
148 70.3 44.1 81.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#67

1,2-Dichlorobenzene

Concen: 0.241 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU041006.D

Acq: 28 Oct 2020 20:48

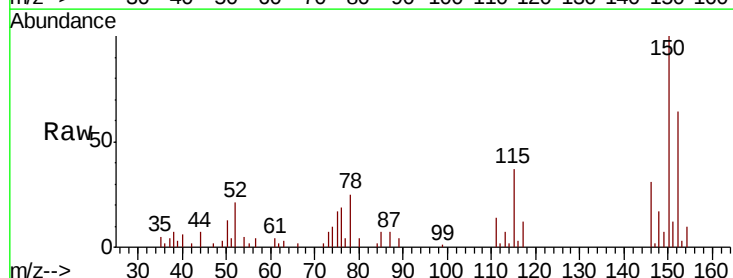
Tgt Ion:146 Resp: 3297

Ion Ratio Lower Upper

146 100

111 46.6 34.7 52.1

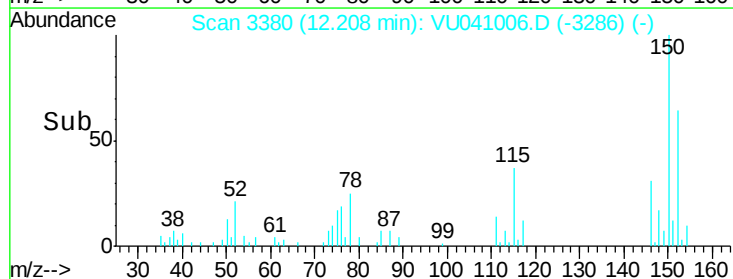
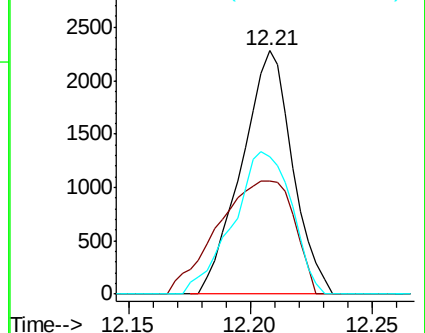
148 56.2 50.7 76.1

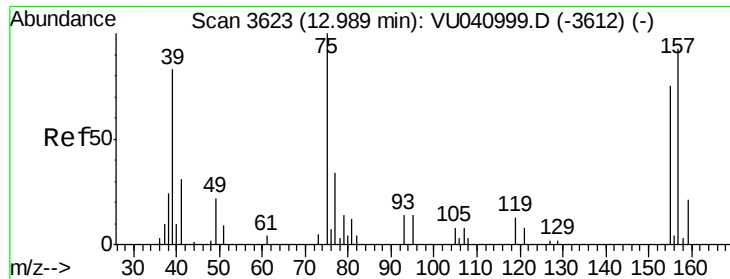


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#68

1,2-Dibromo-3-chloropropane

Concen: 0.255 ug/L

RT: 12.99 min Scan# 3622

Delta R.T. -0.00 min

Lab File: VU041006.D

Acq: 28 Oct 2020 20:48

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-05

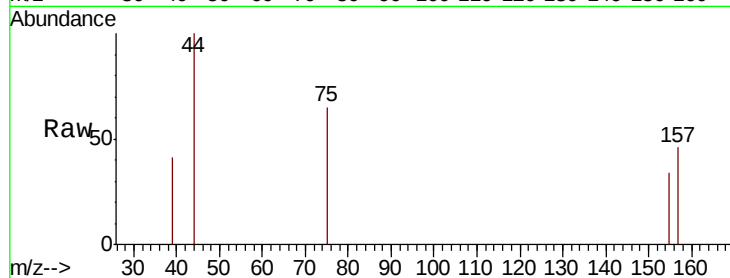
Tot Ion: 75 Resp: 345

Ion Ratio Lower Upper

75 100

155 52.0 60.2 90.2#

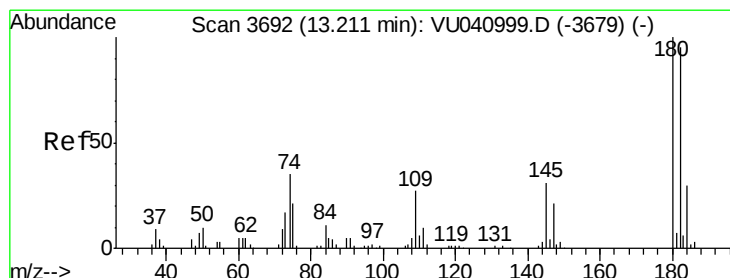
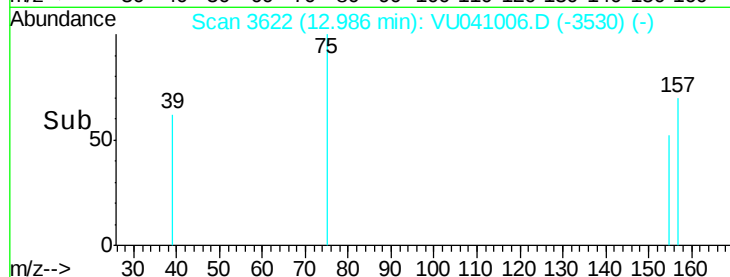
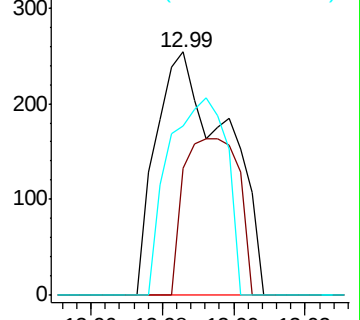
157 69.7 74.4 111.6#



Abundance Ion 75.05 (74.75 to 75.75): VU

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V



#69

1,3,5-Trichlorobenzene

Concen: 0.244 ug/L

RT: 13.21 min Scan# 3692

Delta R.T. 0.00 min

Lab File: VU041006.D

Acq: 28 Oct 2020 20:48

Tgt Ion: 180 Resp: 2362

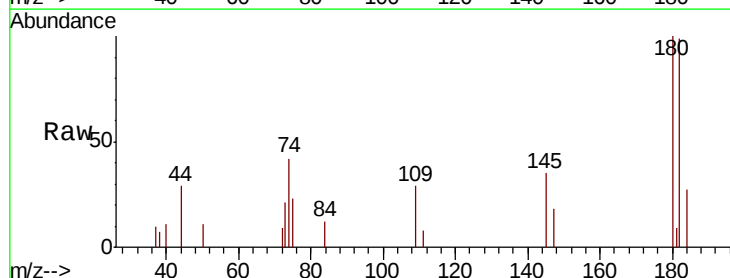
Ion Ratio Lower Upper

180 100

182 86.5 76.9 115.3

184 27.8 23.8 35.8

145 27.9 25.2 37.8

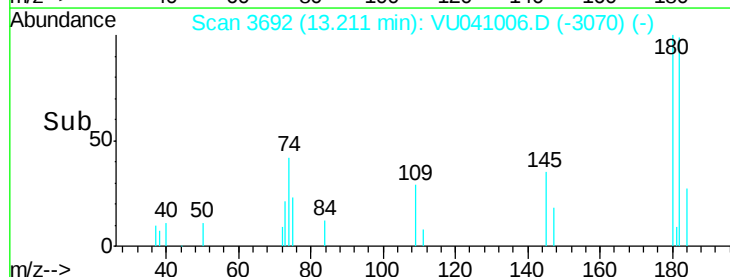
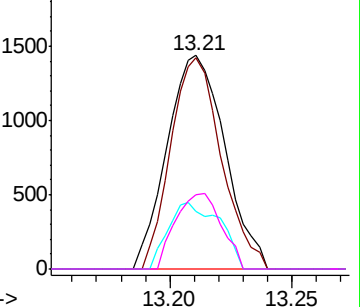


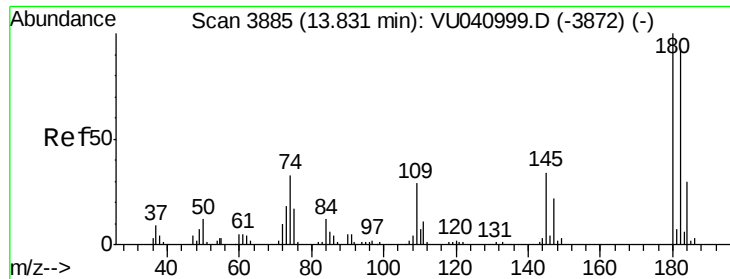
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

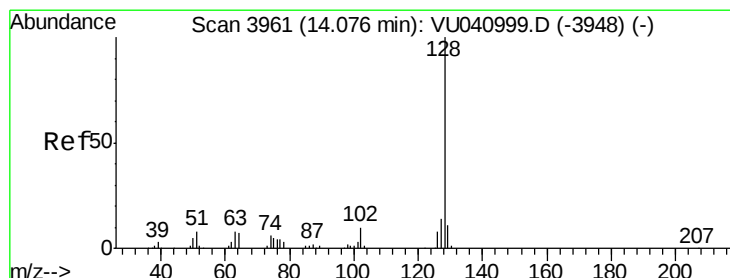
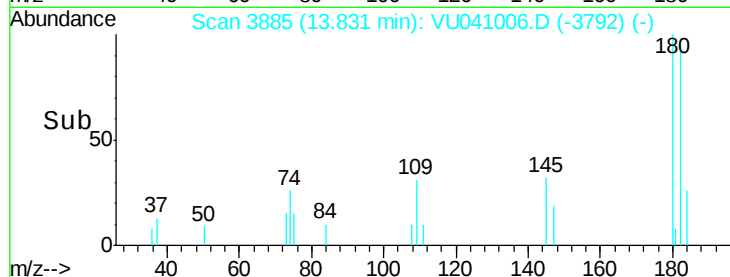
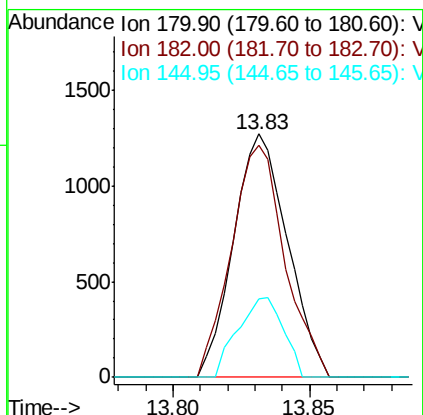
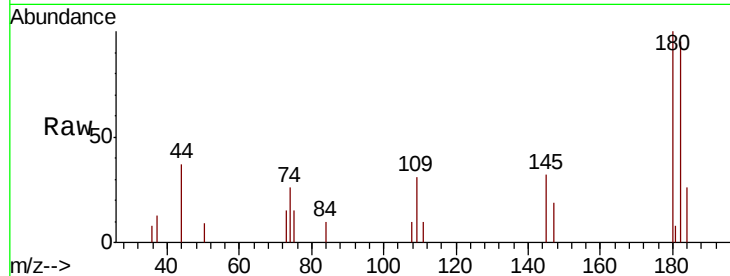




#70
 1,2,4-trichlorobenzene
 Concen: 0.214 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU041006.D
 Acq: 28 Oct 2020 20:48

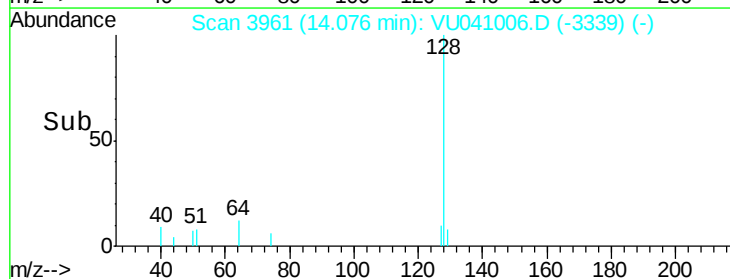
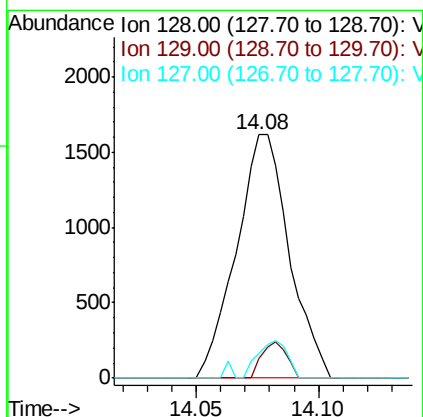
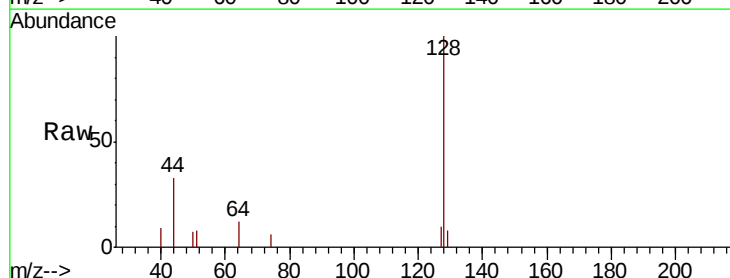
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-05

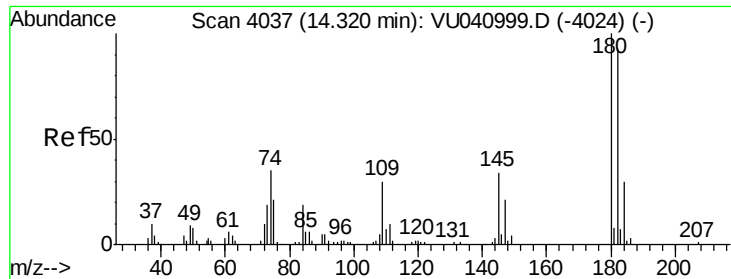
Tot Ion:180 Resp: 1743
 Ion Ratio Lower Upper
 180 100
 182 94.7 74.5 111.7
 145 27.7 26.6 39.8



#71
 Naphthalene
 Concen: 0.170 ug/L
 RT: 14.08 min Scan# 3961
 Delta R.T. 0.00 min
 Lab File: VU041006.D
 Acq: 28 Oct 2020 20:48

Tgt Ion:128 Resp: 2422
 Ion Ratio Lower Upper
 128 100
 129 7.0 8.8 13.2#
 127 8.5 11.2 16.8#





#72
 1,2,3-Trichlorobenzene
 Concen: 0.195 ug/L
 RT: 14.32 min Scan# 4036
 Delta R.T. -0.00 min
 Lab File: VU041006.D
 Acq: 28 Oct 2020 20:48

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-05

Tot Ion:180 Resp: 1488
 Ion Ratio Lower Upper
 180 100
 182 103.5 76.7 115.1
 145 38.0 27.4 41.0

