

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

Manual Integrations
 APPROVED

MMDadoda
 10/29/2020 11:07:25 AM

Quant Time: Oct 29 02:27:54 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	4102m	2.079 ug/L	
14) Carbon disulfide	2.81	76	5986	0.247 ug/L	100
15) Methyl Acetate	2.97	43	1117m	0.242 ug/L	
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	3.90	63	3470m	0.217 ug/L	
21) 2-Butanone	4.76	43	5756m	1.798 ug/L	
22) cis-1,2-Dichloroethene	4.68	96	1707	0.207 ug/L	90

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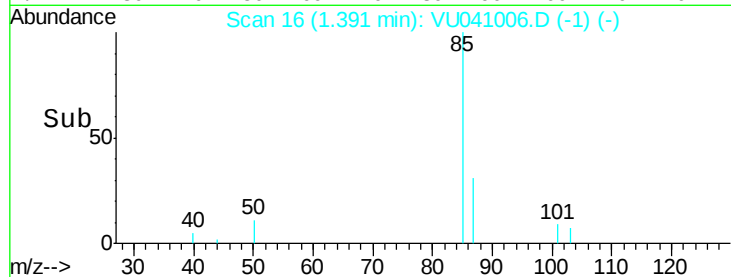
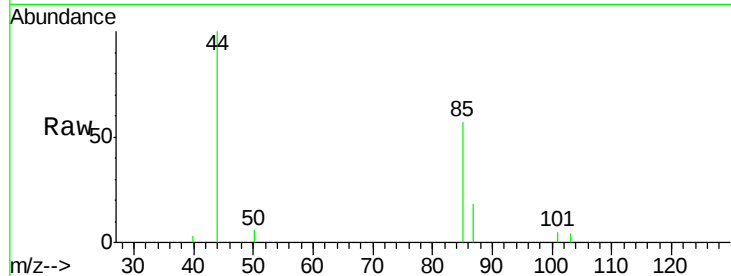
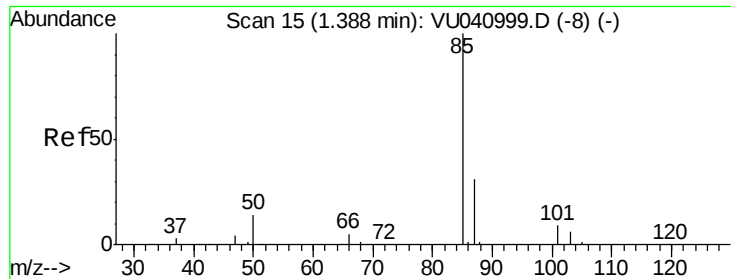
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR102820WMA.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	799	0.204	ug/L	83
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	2519m	0.219	ug/L	
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



#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

Tot Ion: 85 Resp: 2145

Ion Ratio Lower Upper

85 100

87 30.7 25.2 37.8

Instrument :

MSVOA_U

ClientSampleId :

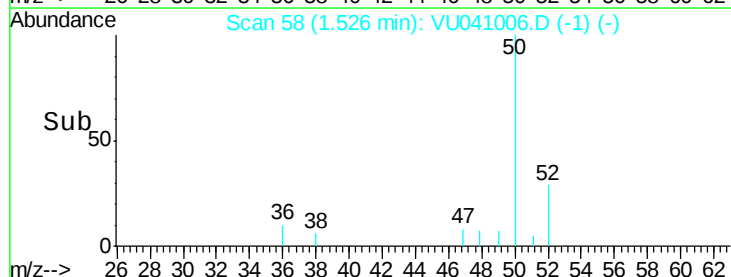
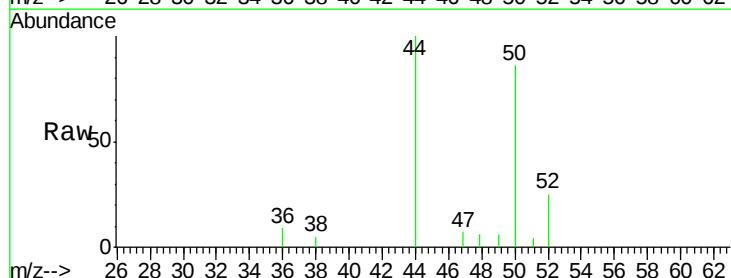
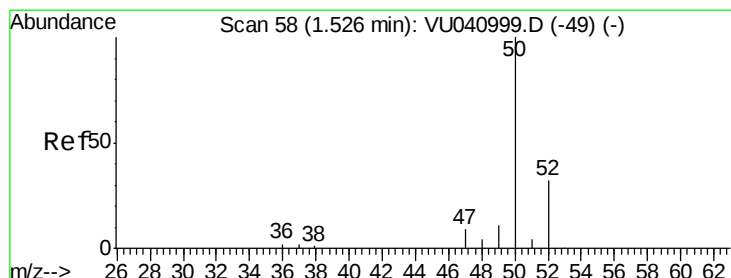
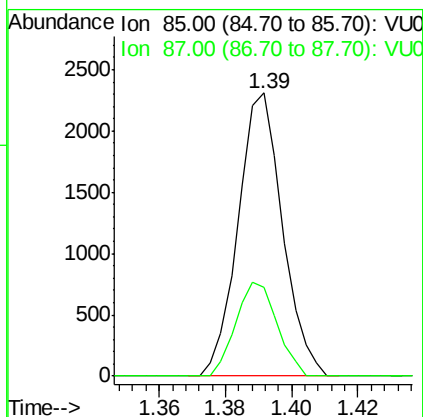
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#3

Chloromethane

Concen: 0.237 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041006.D

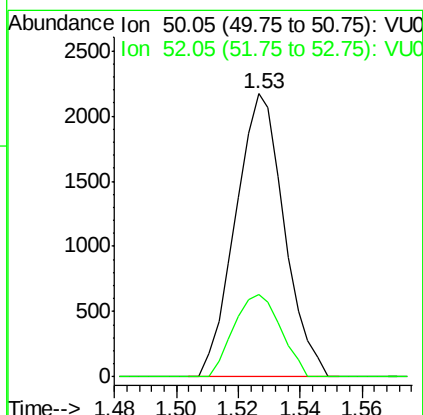
Acq: 28 Oct 2020 20:48

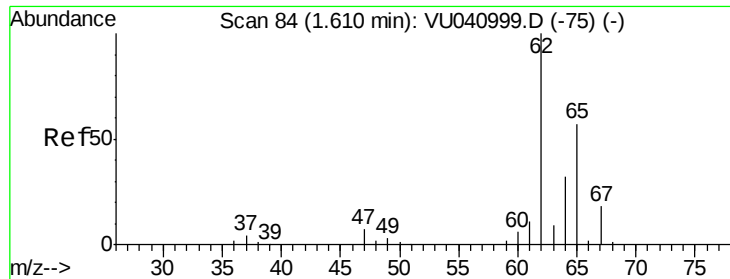
Tgt Ion: 50 Resp: 2380

Ion Ratio Lower Upper

50 100

52 29.3 22.4 41.6





#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

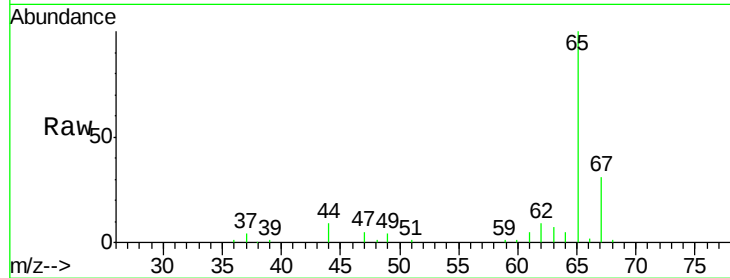
64 54.6 22.7 42.3#

Manual Integrations

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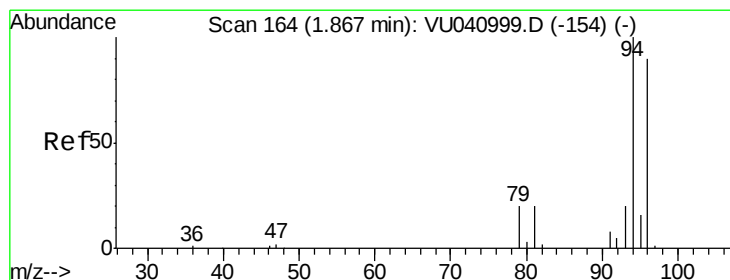
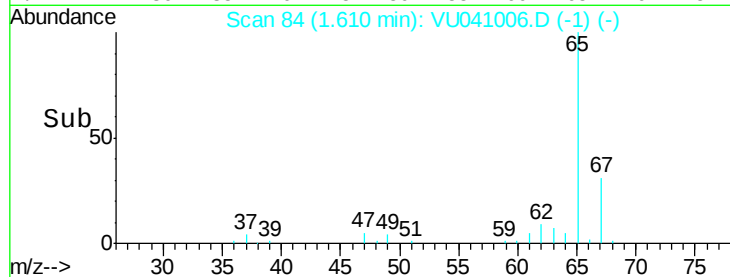
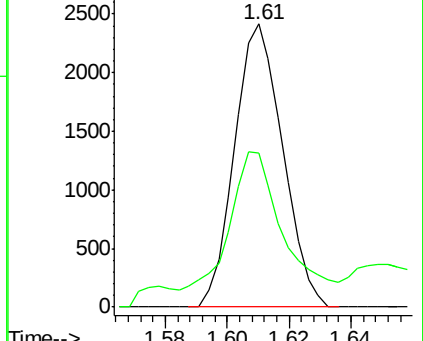
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Abundance Ion 62.00 (61.70 to 62.70): VU0

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

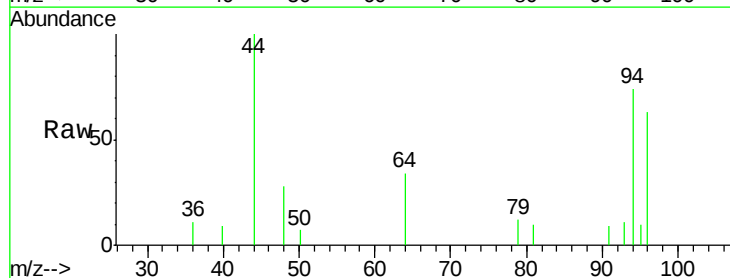
Acq: 28 Oct 2020 20:48

Tgt Ion: 94 Resp: 1373

Ion Ratio Lower Upper

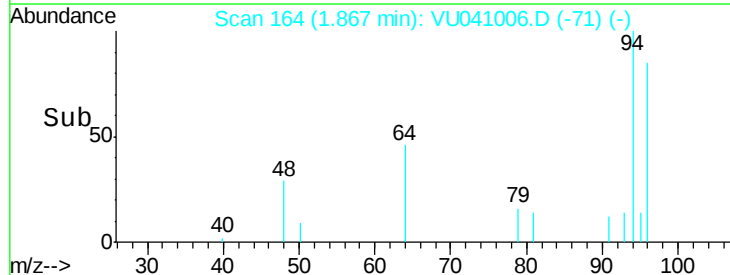
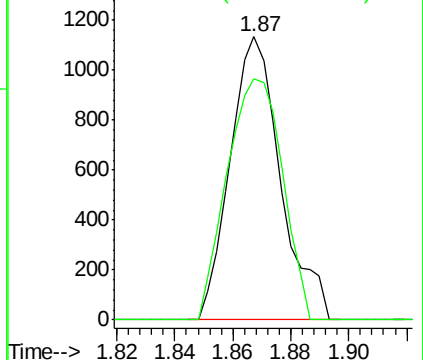
94 100

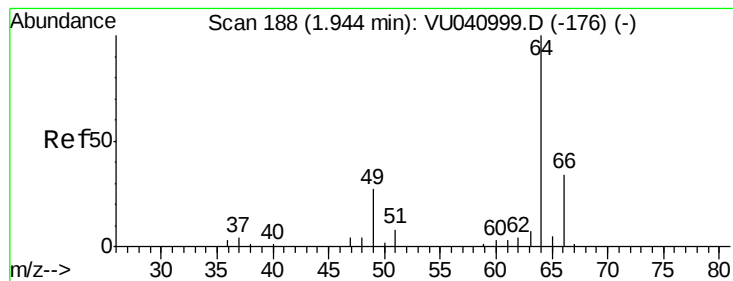
96 85.0 63.2 117.4



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





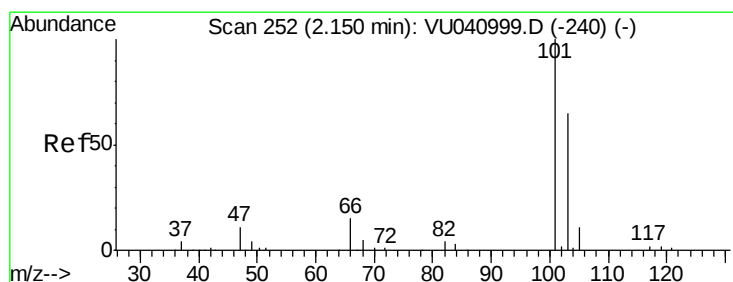
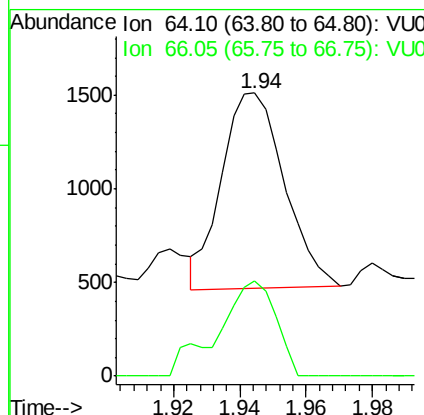
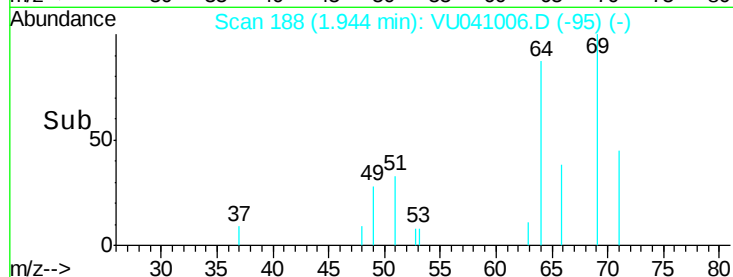
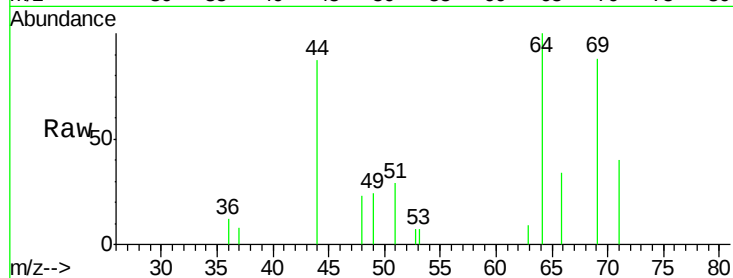
#8
 Chloroethane
 Concen: 0.215 ug/L
 RT: 1.94 min Scan# 188
 Delta R.T. 0.00 min
 Lab File: VU041006.D
 Acq: 28 Oct 2020 20:48

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-05

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

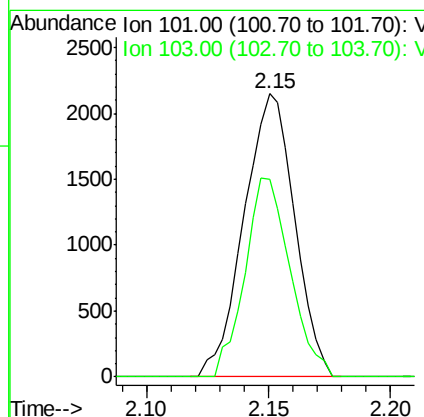
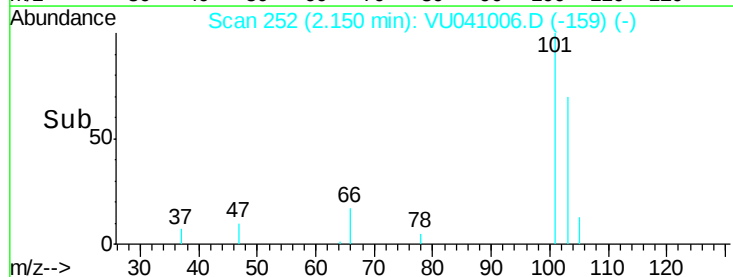
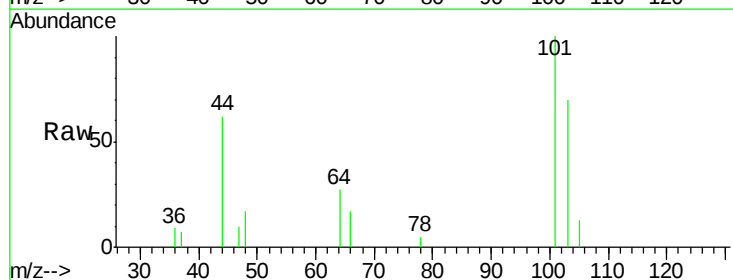
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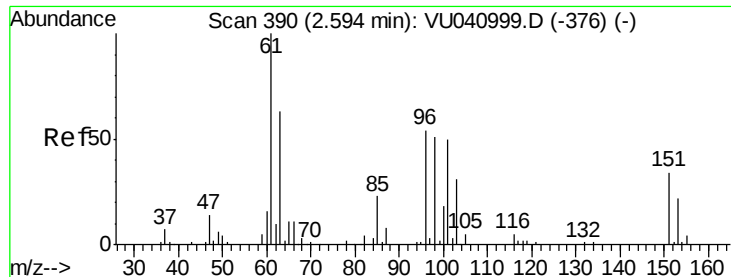
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#9
 Trichlorofluoromethane
 Concen: 0.224 ug/L
 RT: 2.15 min Scan# 252
 Delta R.T. 0.00 min
 Lab File: VU041006.D
 Acq: 28 Oct 2020 20:48

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

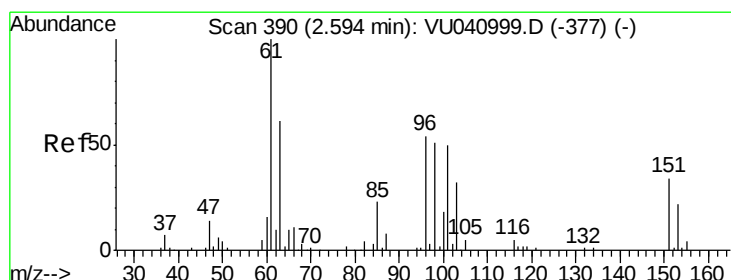
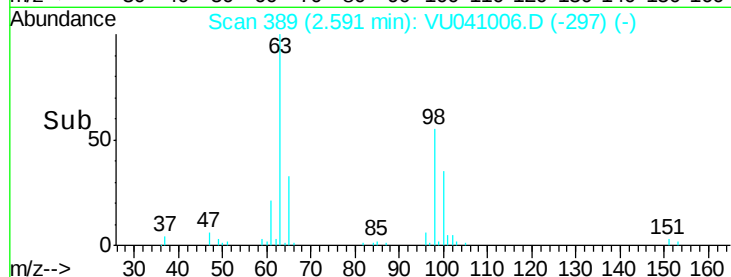
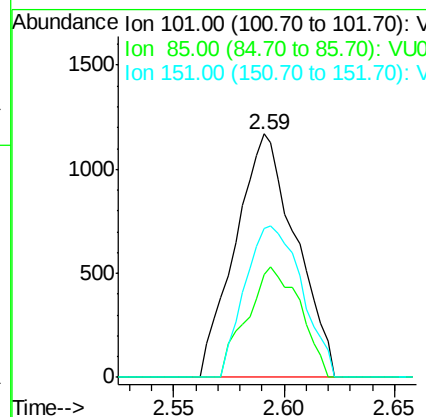
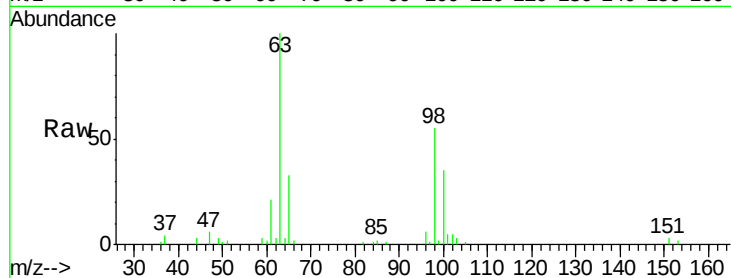
ClientSampleId :

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

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#12

1,1-Dichloroethene

Concen: 0.252 ug/L

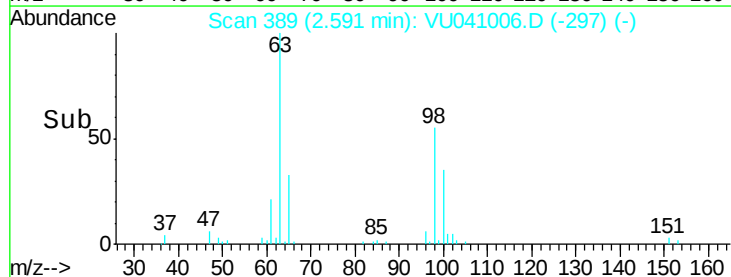
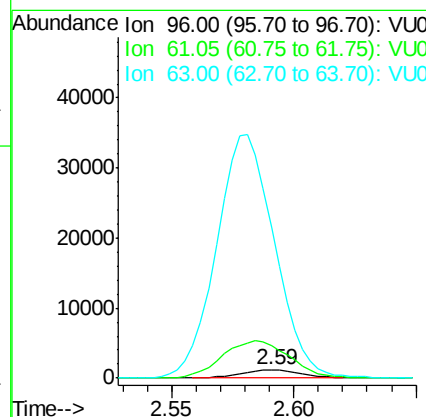
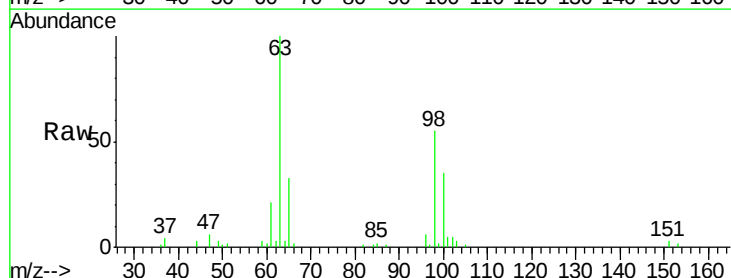
RT: 2.59 min Scan# 389

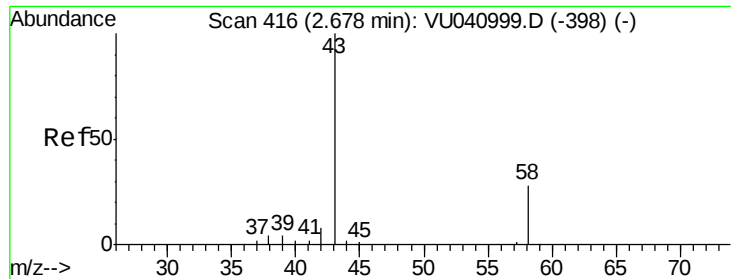
Delta R.T. -0.00 min

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#





#13

Acetone

Concen: 2.079 ug/L m

RT: 2.67 min Scan# 415

Delta R.T. -0.00 min

Lab File: VU041006.D

Acq: 28 Oct 2020 20:48

Tot Ion: 43 Resp: 4102

Ion Ratio Lower Upper

43 100

58 13.1 0.0 30.8

Instrument :

MSVOA_U

ClientSampleId :

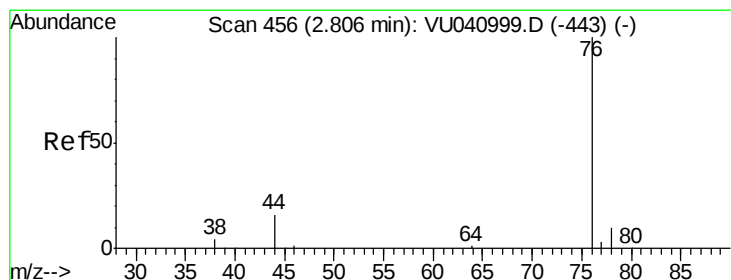
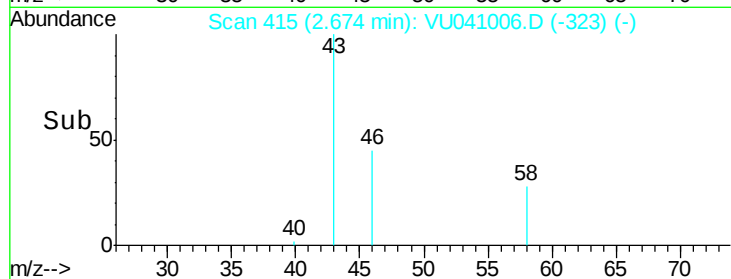
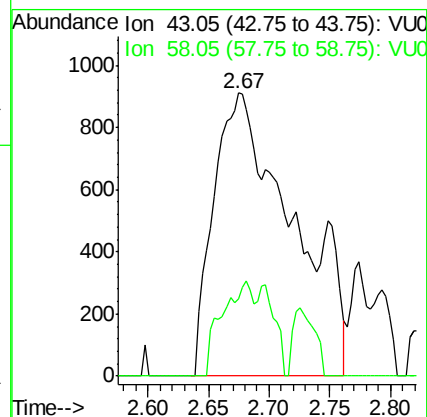
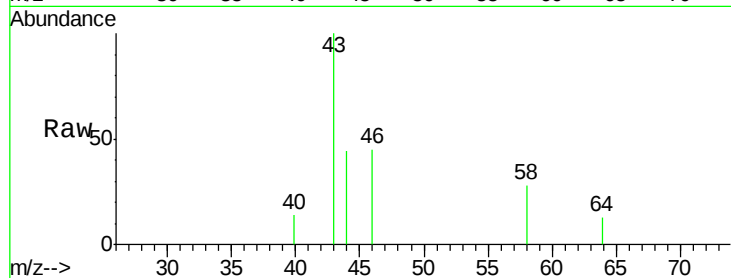
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#14

Carbon disulfide

Concen: 0.247 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041006.D

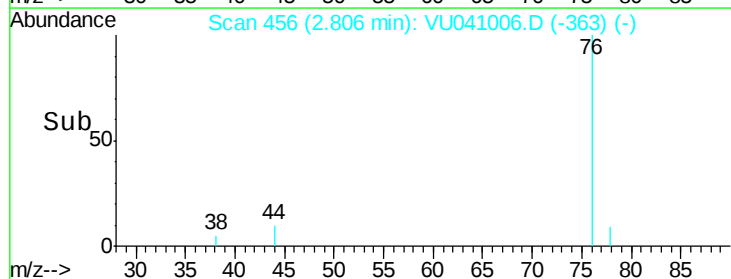
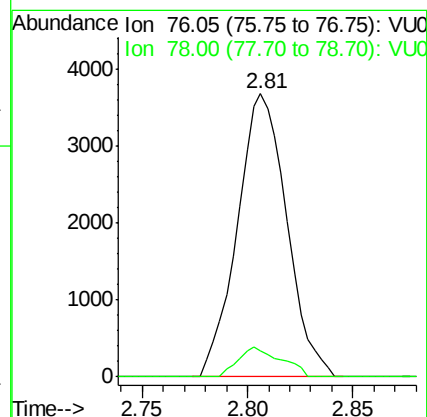
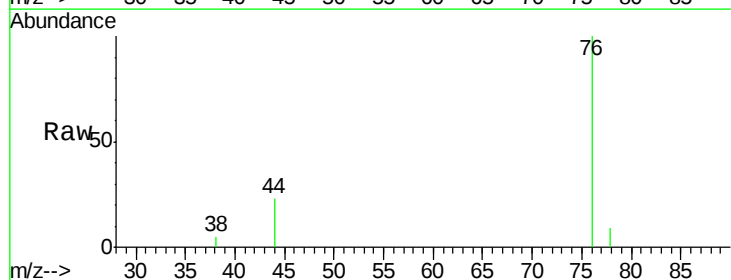
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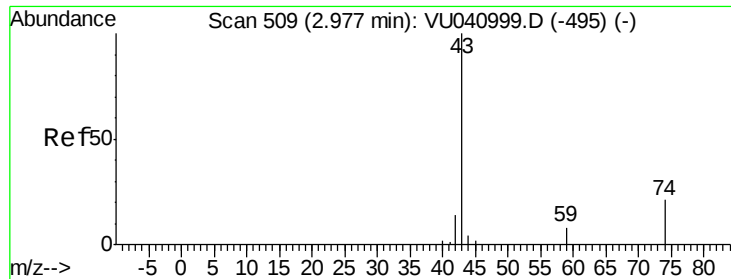
Tgt Ion: 76 Resp: 5986

Ion Ratio Lower Upper

76 100

78 9.4 7.7 11.5





#15

Methyl Acetate

Concen: 0.242 ug/L m

RT: 2.97 min Scan# 506

Delta R.T. -0.01 min

Lab File: VU041006.D

Acq: 28 Oct 2020 20:48

Tot Ion: 43 Resp: 1117

Ion Ratio Lower Upper

43 100

74 0.0 15.6 23.4#

Instrument :

MSVOA_U

ClientSampleId :

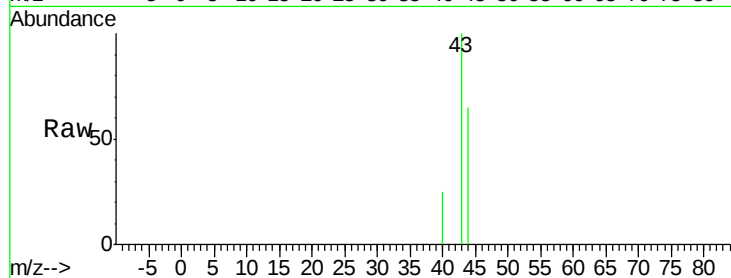
MDL-WATER-05

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Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

2.97

400

300

200

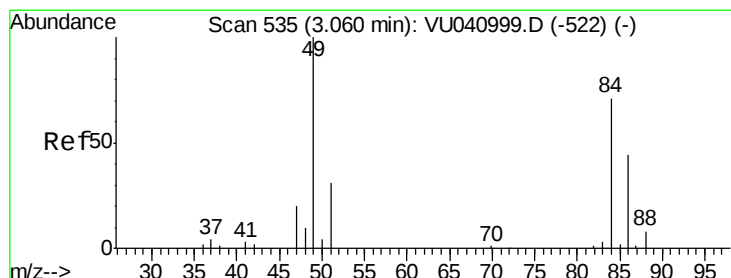
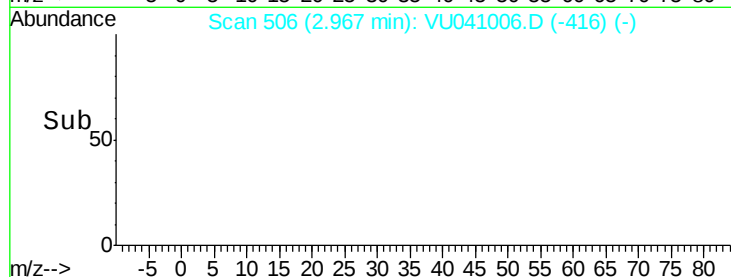
100

0

2.95

3.00

Time-->



#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

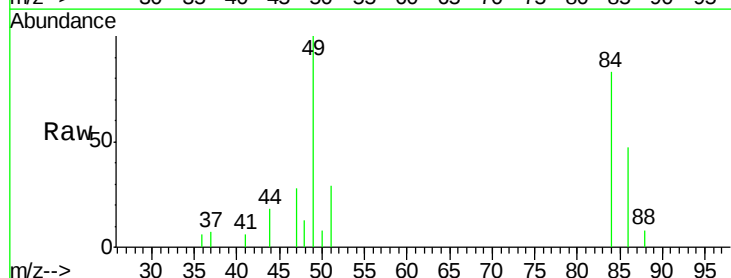
Tgt Ion: 84 Resp: 3021

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): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

3000

2500

2000

1500

1000

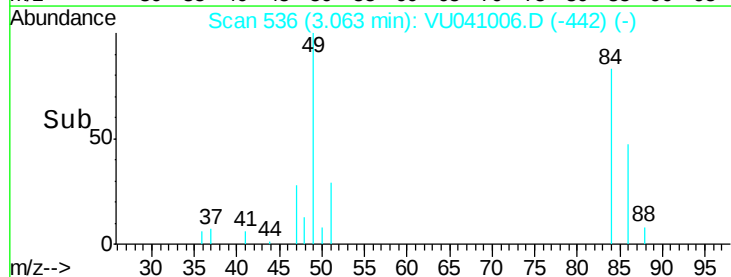
500

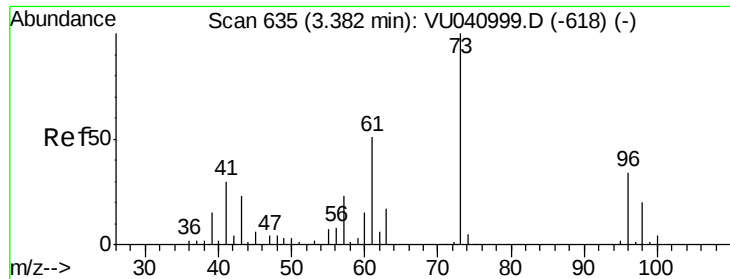
0

3.05

3.10

Time-->





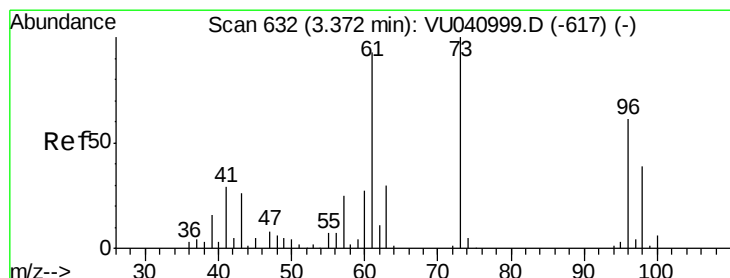
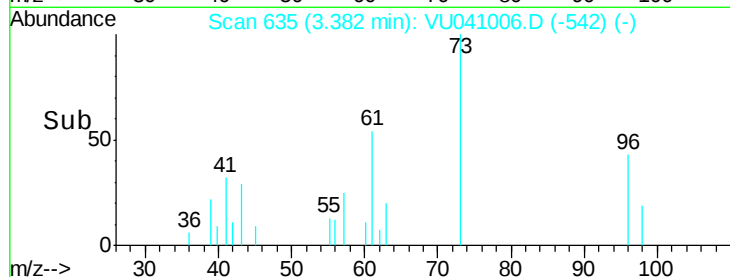
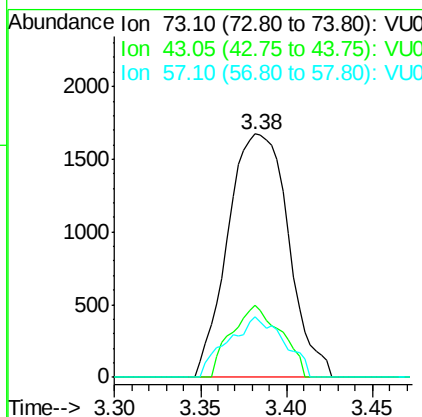
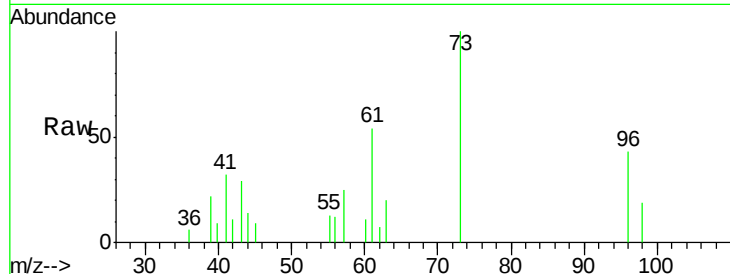
#17
Methvl tert-butvl Ether
Concen: 0.207 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU041006.D
Acq: 28 Oct 2020 20:48

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-05

Tot Ion: 73 Resp: 4097
Ion Ratio Lower Upper
73 100
43 24.2 19.5 29.3
57 23.1 18.9 28.3

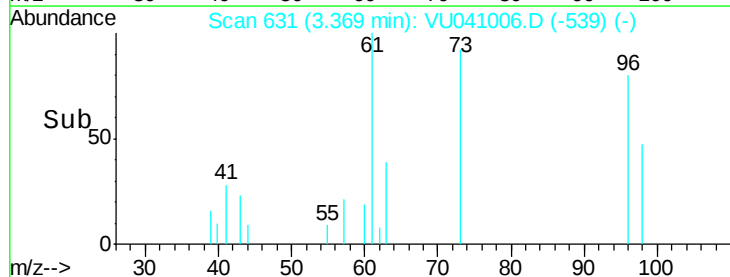
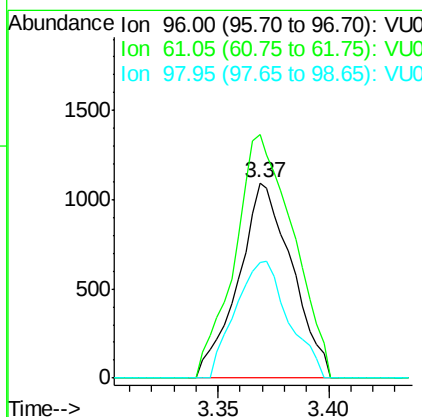
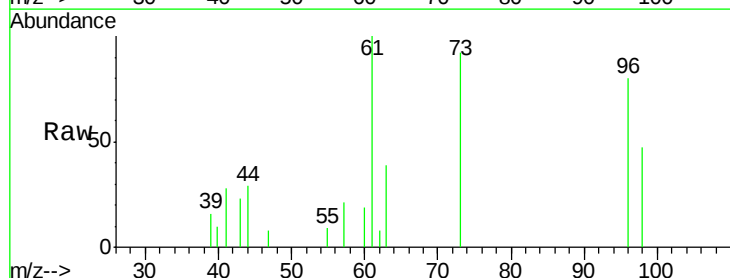
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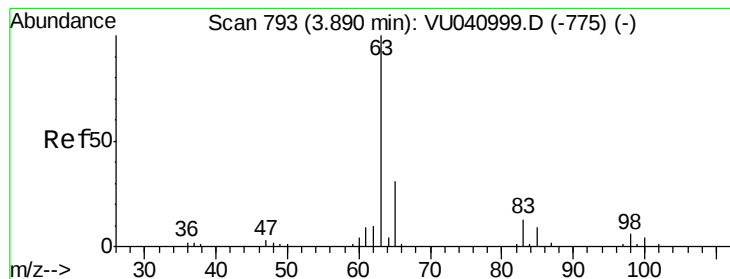
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#18
trans-1,2-Dichloroethene
Concen: 0.239 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU041006.D
Acq: 28 Oct 2020 20:48

Tgt Ion: 96 Resp: 1840
Ion Ratio Lower Upper
96 100
61 124.9 107.2 199.0
98 59.2 44.6 82.8





#19

1,1-Dichloroethane

Concen: 0.217 ug/L m

RT: 3.90 min Scan# 795

Delta R.T. 0.01 min

Lab File: VU041006.D

Acq: 28 Oct 2020 20:48

Instrument :

MSVOA_U

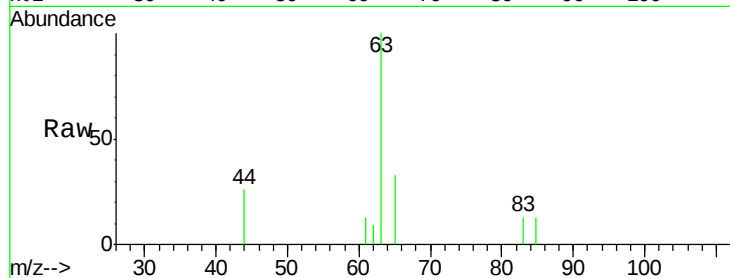
ClientSampleId :

MDL-WATER-05

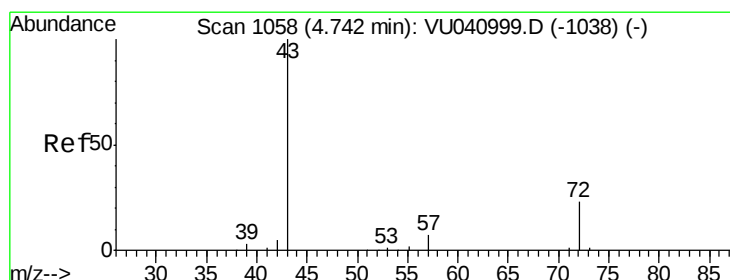
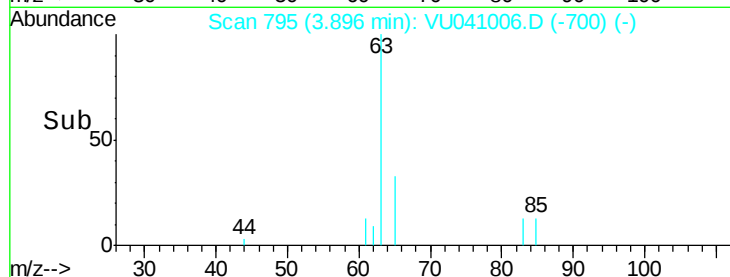
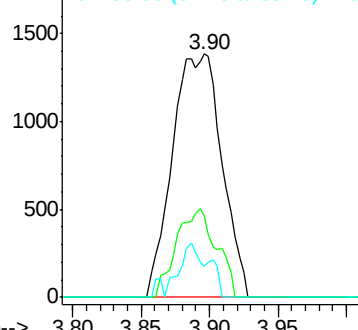
Tot Ion:	63	Resp:	3470
Ion	Ratio	Lower	Upper
63	100		
65	33.1	21.8	40.4
83	12.9	9.3	17.3

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



#21

2-Butanone

Concen: 1.798 ug/L m

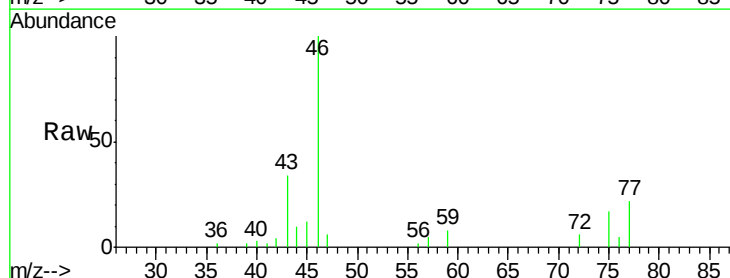
RT: 4.76 min Scan# 1063

Delta R.T. 0.02 min

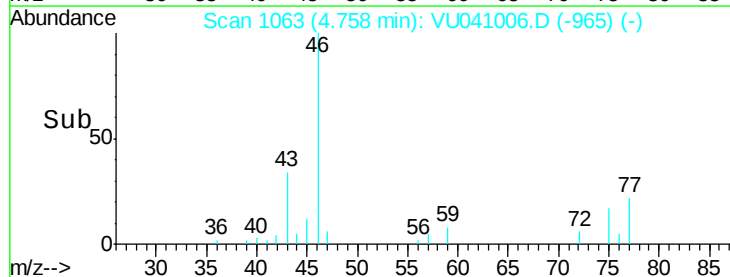
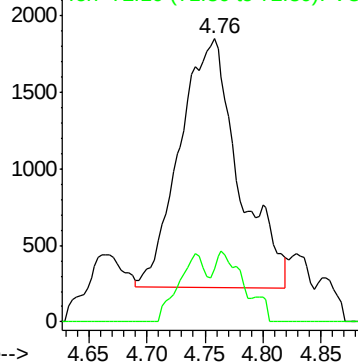
Lab File: VU041006.D

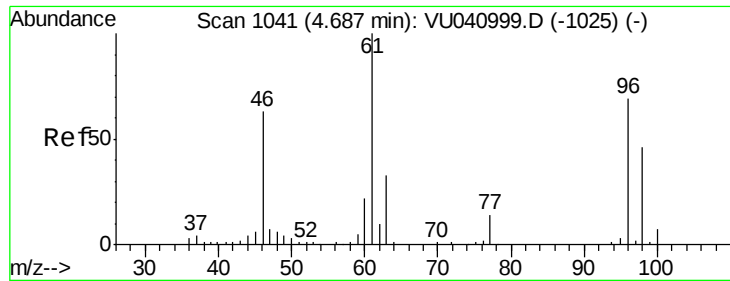
Acq: 28 Oct 2020 20:48

Tgt Ion:	43	Resp:	5756
Ion	Ratio	Lower	Upper
43	100		
72	8.0	11.6	34.7#



Abundance Ion 43.05 (42.75 to 43.75): VU041006.D (-965) (-)





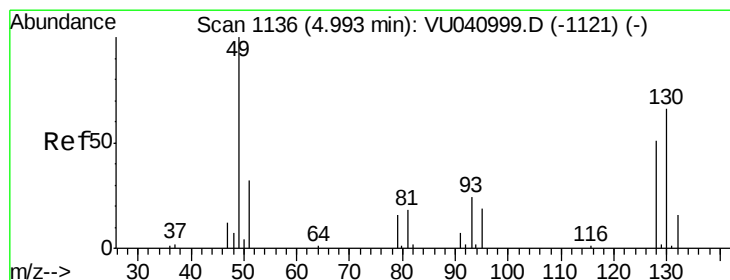
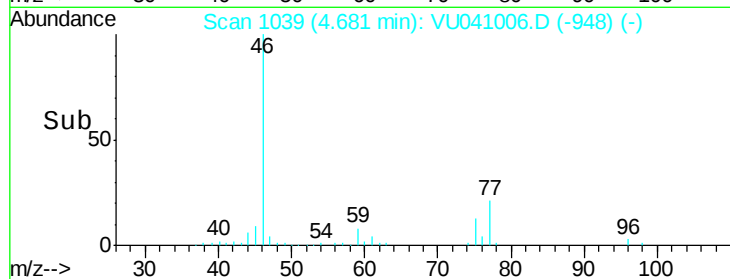
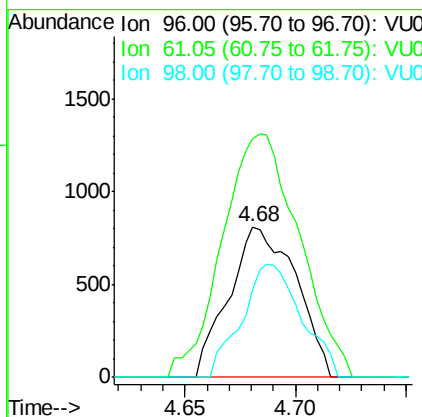
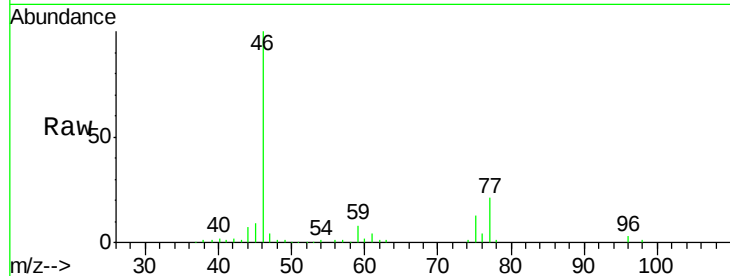
#22
 cis-1,2-Dichloroethene
 Concen: 0.207 ug/L
 RT: 4.68 min Scan# 1039
 Delta R.T. -0.01 min
 Lab File: VU041006.D
 Acq: 28 Oct 2020 20:48

Instrument :
 MSVOA_U
 ClientSampled :
 MDL-WATER-05

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.9	101.7	188.9
98	58.0	46.4	86.2

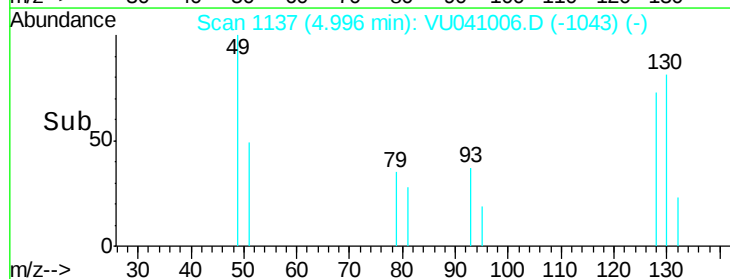
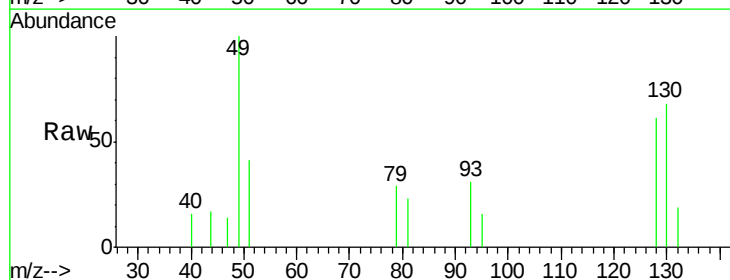
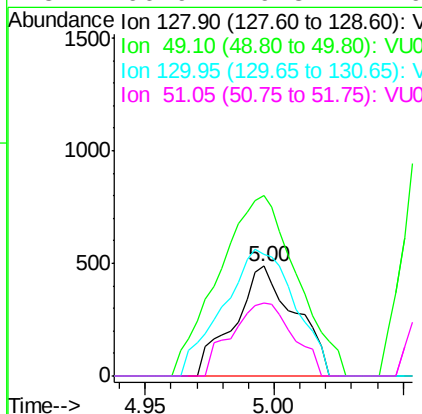
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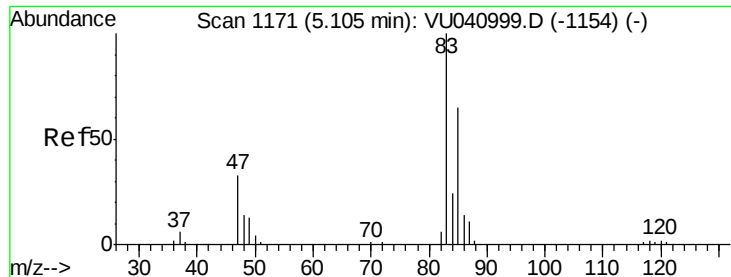
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#23
 Bromochloromethane
 Concen: 0.204 ug/L
 RT: 5.00 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VU041006.D
 Acq: 28 Oct 2020 20:48

Tgt 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





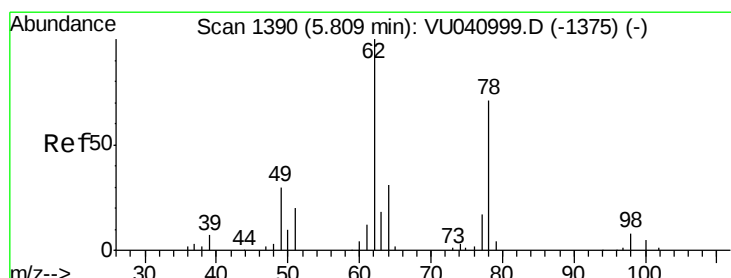
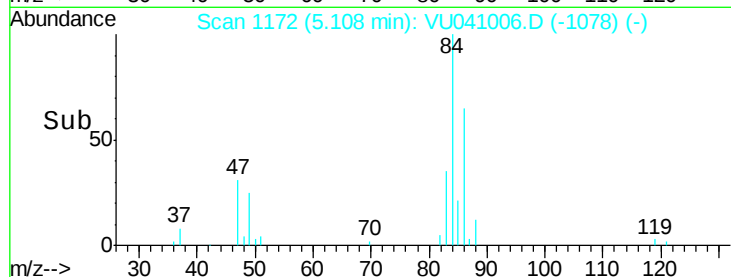
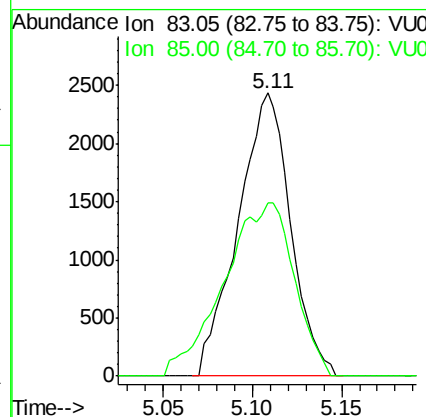
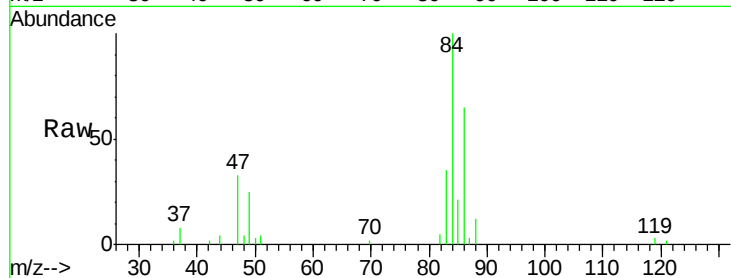
#25
Chloroform
Concen: 0.307 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU041006.D
Acq: 28 Oct 2020 20:48

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-05

Tot Ion: 83 Resp: 5003
Ion Ratio Lower Upper
83 100
85 61.0 45.5 84.5

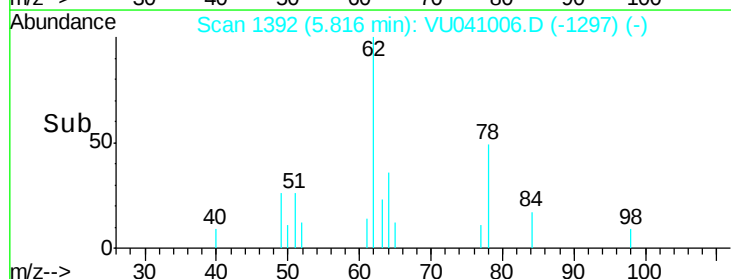
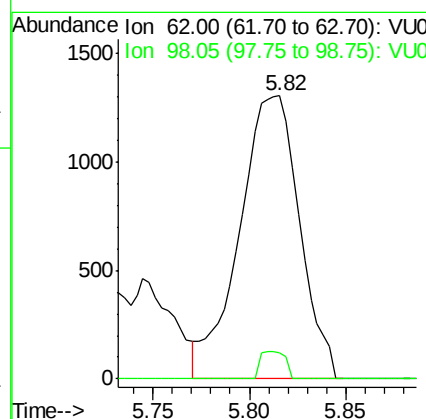
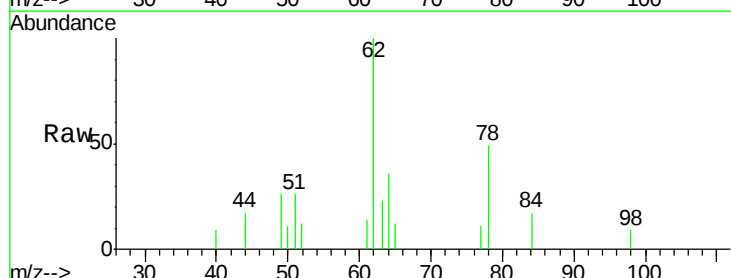
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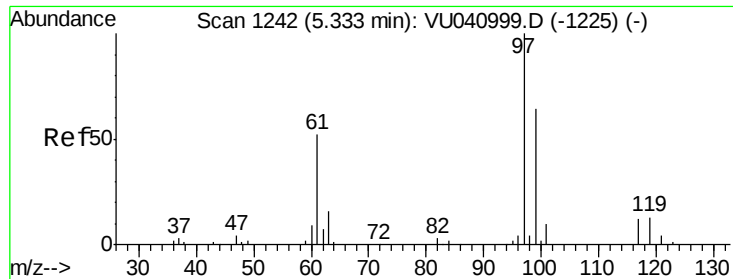
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#27
1,2-Dichloroethane
Concen: 0.236 ug/L
RT: 5.82 min Scan# 1392
Delta R.T. 0.01 min
Lab File: VU041006.D
Acq: 28 Oct 2020 20:48

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





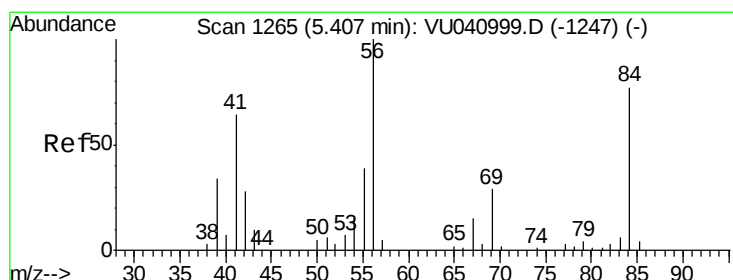
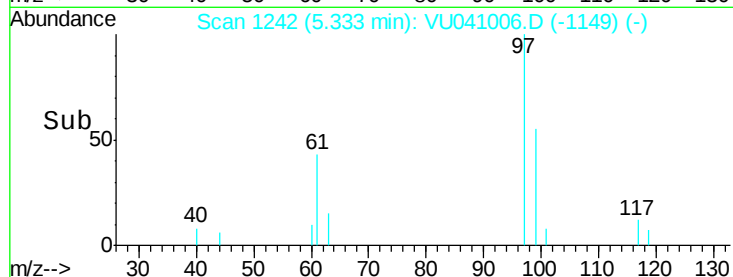
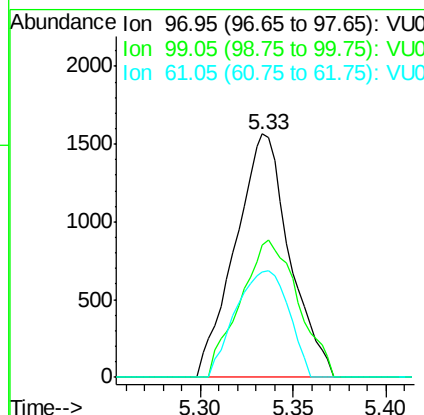
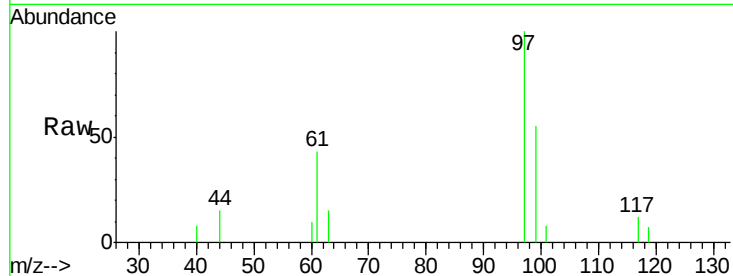
#29
1,1,1-Trichloroethane
Concen: 0.227 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VU041006.D
Acq: 28 Oct 2020 20:48

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-05

Tot Ion	Ratio	Lower	Upper
97	100		
99	59.9	50.2	75.2
61	42.8	39.6	59.4

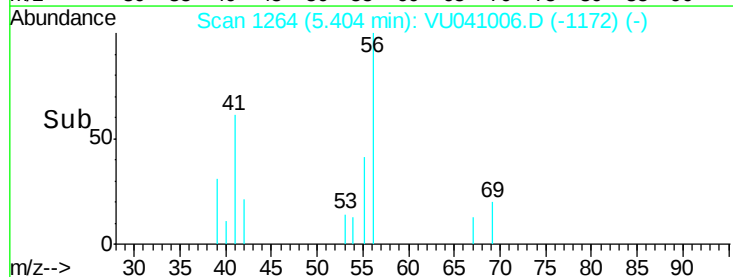
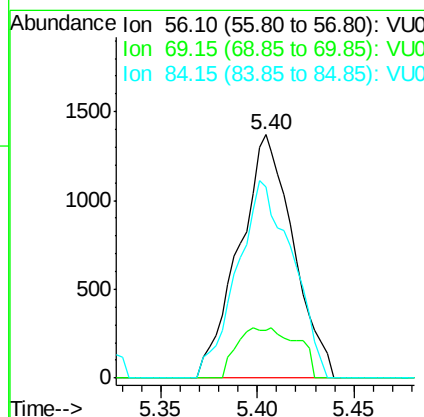
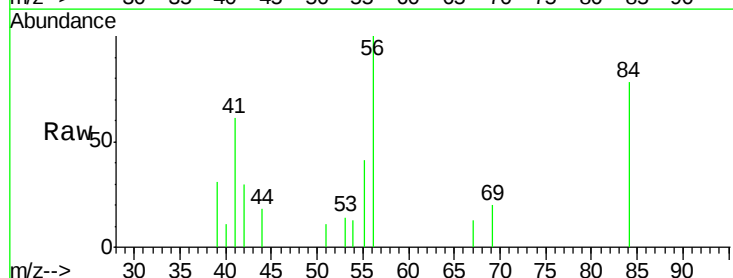
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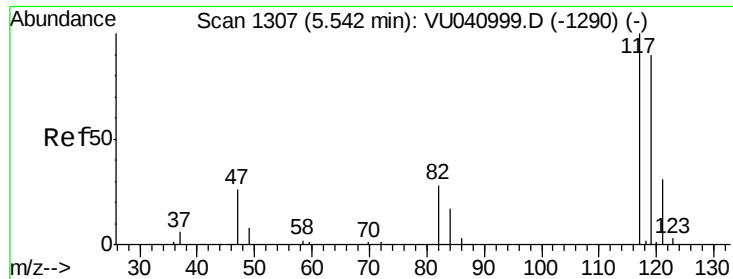
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#30
Cyclohexane
Concen: 0.205 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VU041006.D
Acq: 28 Oct 2020 20:48

Tgt Ion	Ratio	Lower	Upper
56	100		
69	22.8	23.2	34.8#
84	82.8	62.9	94.3





#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

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-05

Tot Ion:117 Resp: 2730

Ion Ratio Lower Upper

117 100

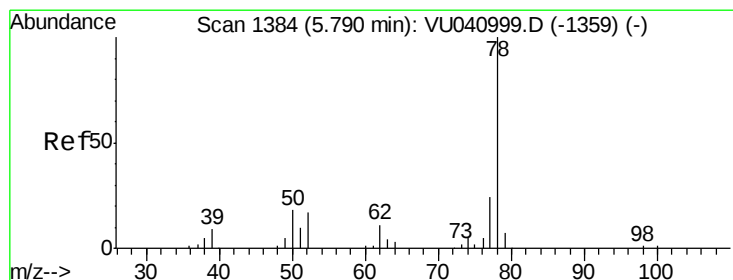
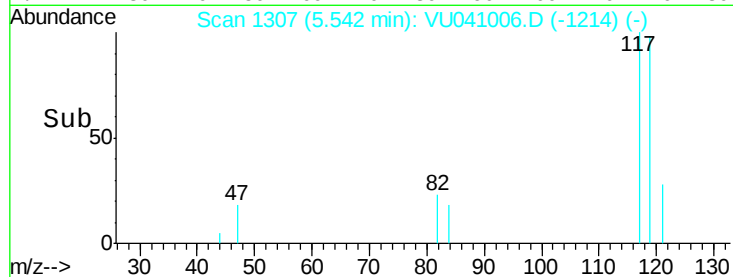
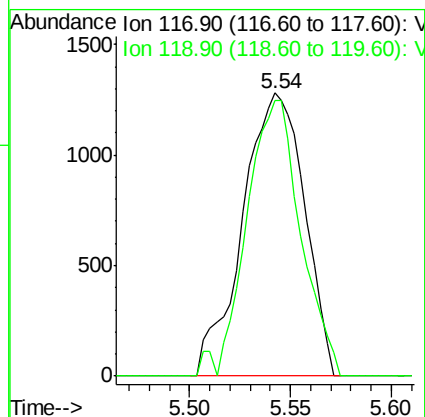
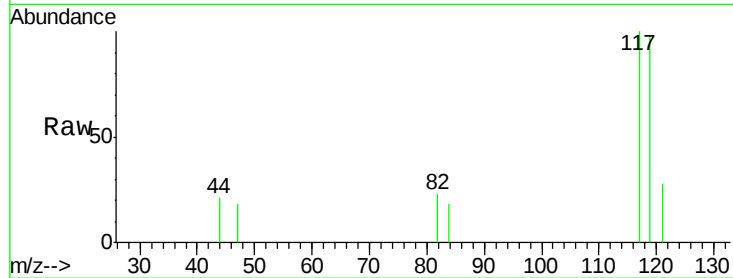
119 85.7 74.4 111.6

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#33

Benzene

Concen: 0.235 ug/L

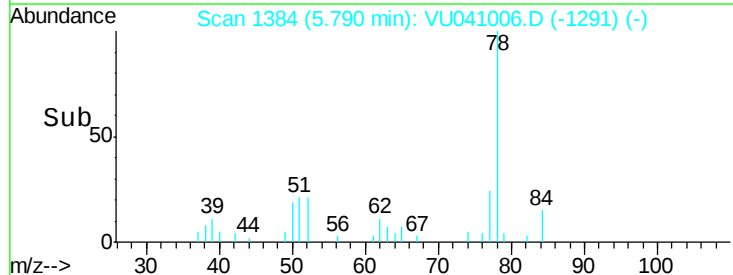
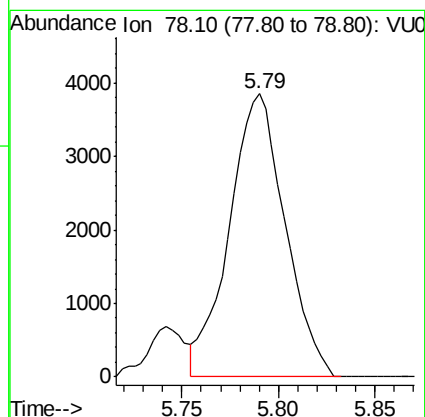
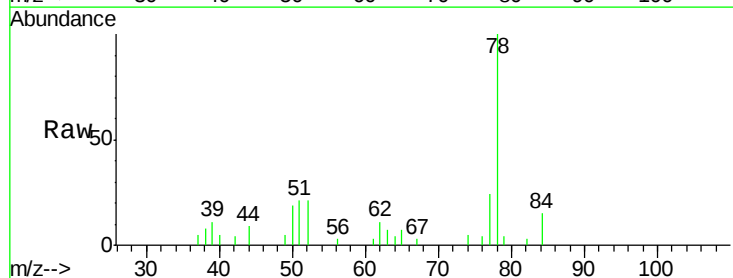
RT: 5.79 min Scan# 1384

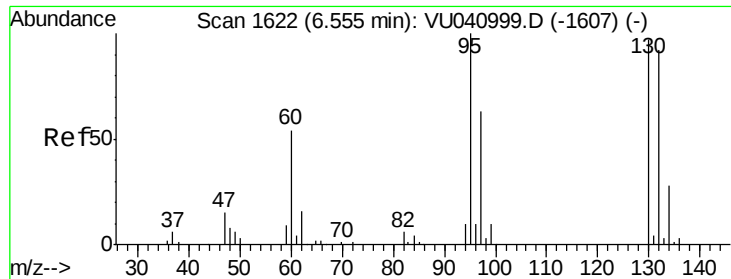
Delta R.T. 0.00 min

Lab File: VU041006.D

Acq: 28 Oct 2020 20:48

Tgt Ion: 78 Resp: 7718





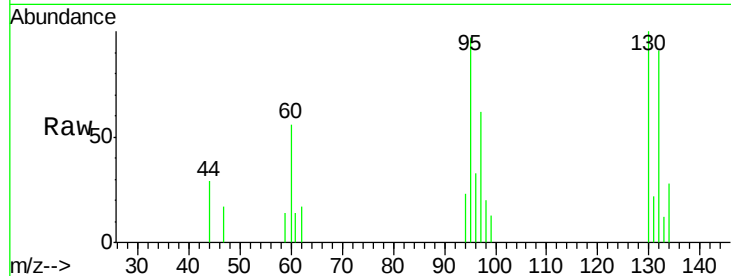
#34
 Trichloroethene
 Concen: 0.225 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU041006.D
 Acq: 28 Oct 2020 20:48

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-05

Tot 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

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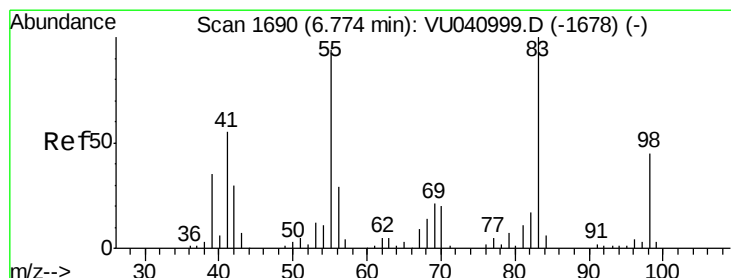
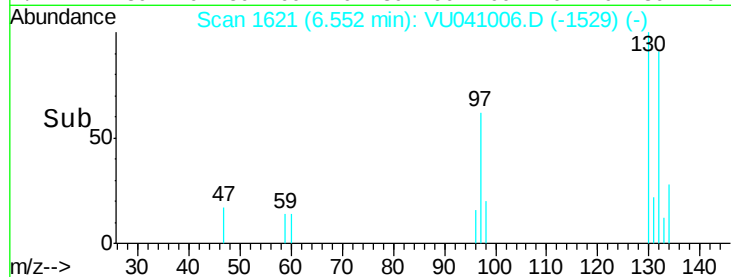
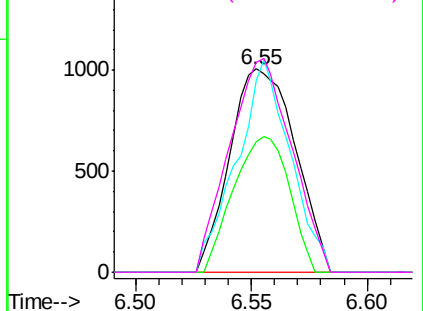


Abundance Ion 95.00 (94.70 to 95.70): VU040999.D (-1607) (-)

Ion 96.95 (96.65 to 97.65): VU040999.D (-1607) (-)

Ion 131.95 (131.65 to 132.65): VU040999.D (-1607) (-)

Ion 129.95 (129.65 to 130.65): VU040999.D (-1607) (-)



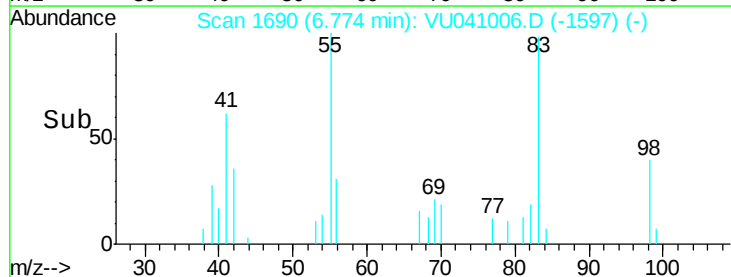
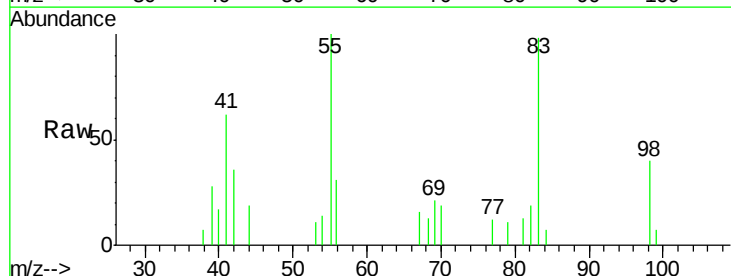
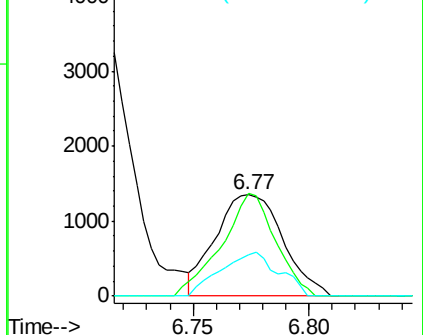
#35
 Methylcyclohexane
 Concen: 0.224 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU041006.D
 Acq: 28 Oct 2020 20:48

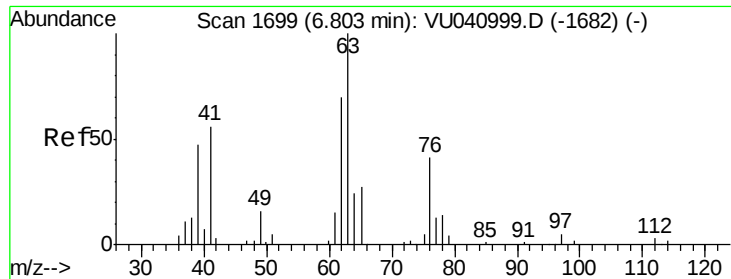
Tgt Ion:	83	Resp:	2733
Ion	Ratio	Lower	Upper
83	100		
55	80.6	72.7	109.1
98	36.9	35.7	53.5

Abundance Ion 83.15 (82.85 to 83.85): VU040999.D (-1678) (-)

Ion 55.10 (54.80 to 55.80): VU040999.D (-1678) (-)

Ion 98.15 (97.85 to 98.85): VU040999.D (-1678) (-)





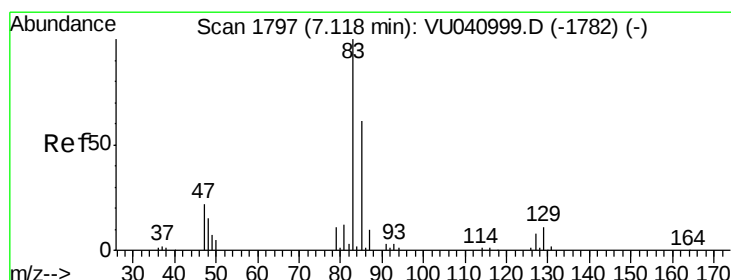
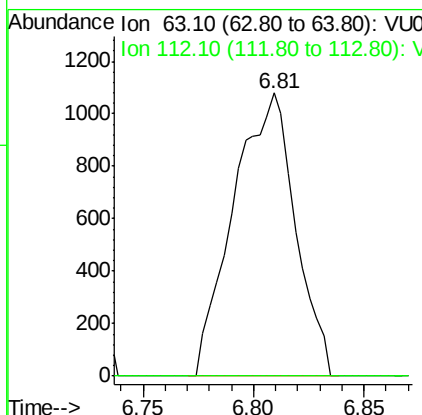
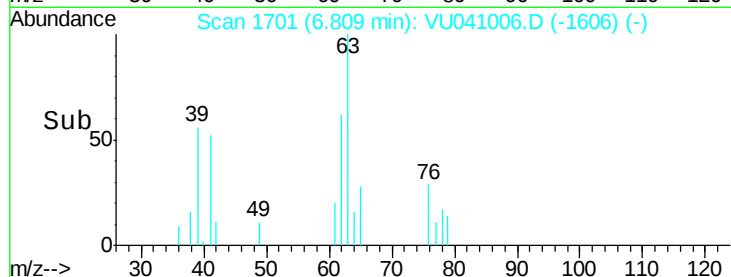
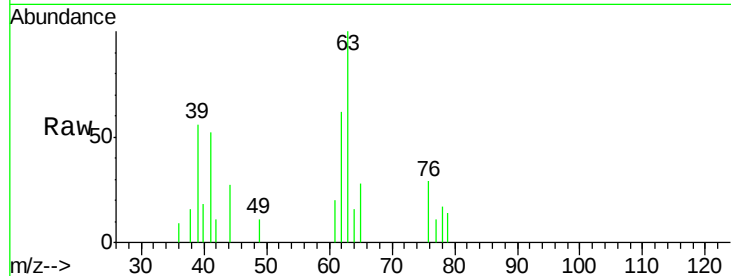
#37
 1,2-Dichloropropane
 Concen: 0.225 ug/L
 RT: 6.81 min Scan# 1701
 Delta R.T. 0.01 min
 Lab File: VU041006.D
 Acq: 28 Oct 2020 20:48

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-05

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

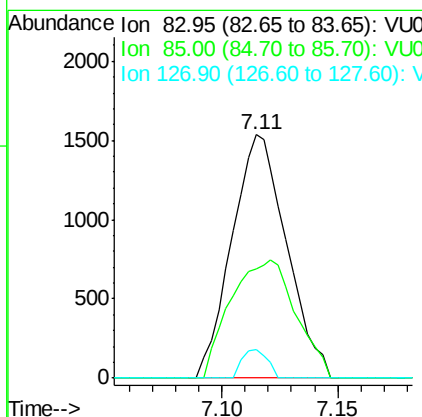
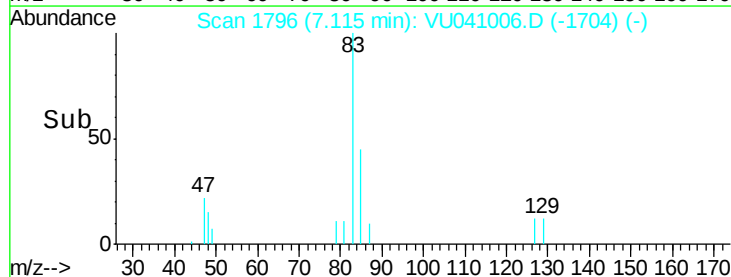
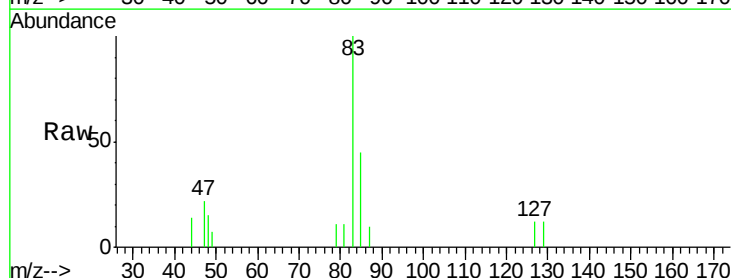
Manual Integrations
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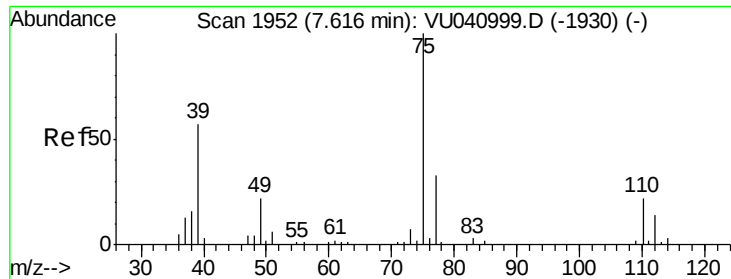
MMDadoda
 10/29/2020 11:07:25 AM



#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

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





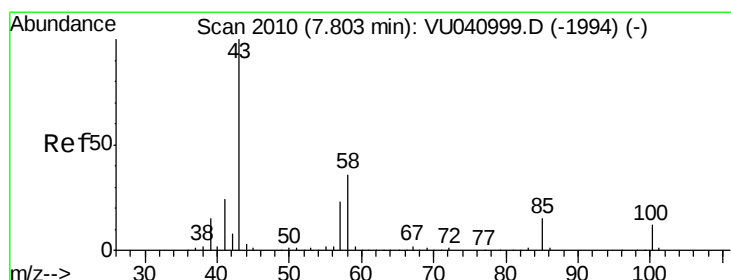
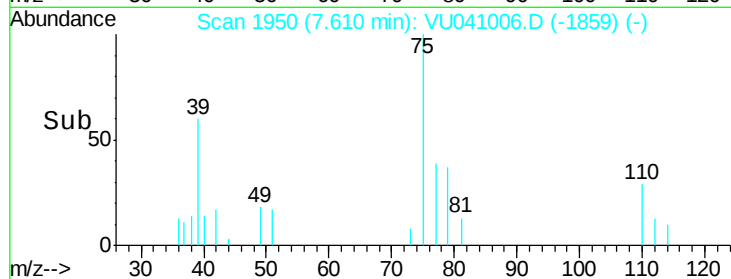
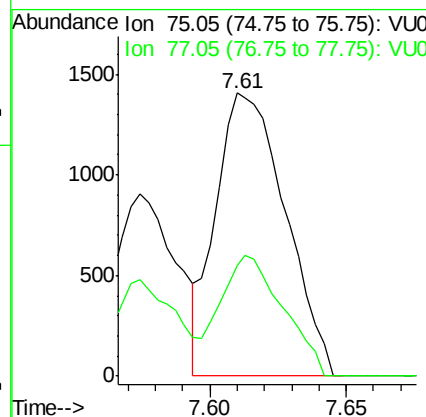
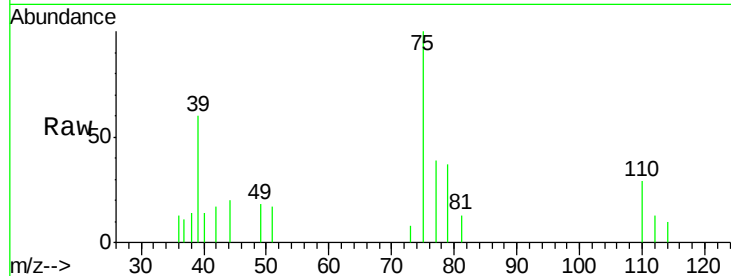
#39
 cis-1,3-Dichloropropene
 Concen: 0.201 ug/L
 RT: 7.61 min Scan# 1950
 Delta R.T. -0.01 min
 Lab File: VU041006.D
 Acq: 28 Oct 2020 20:48

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-05

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

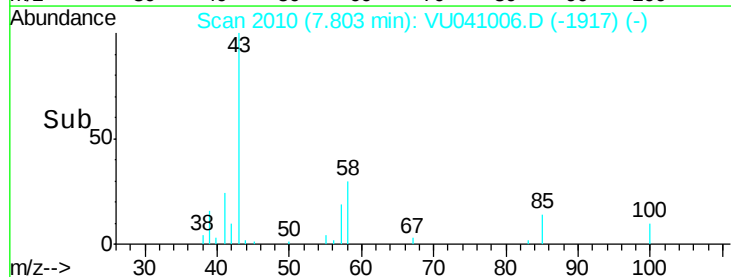
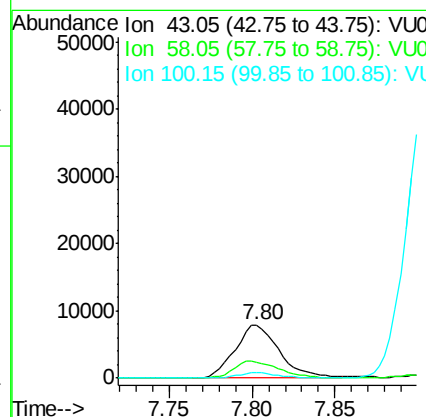
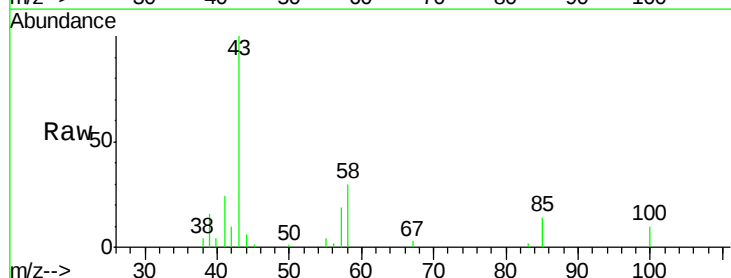
Manual Integrations
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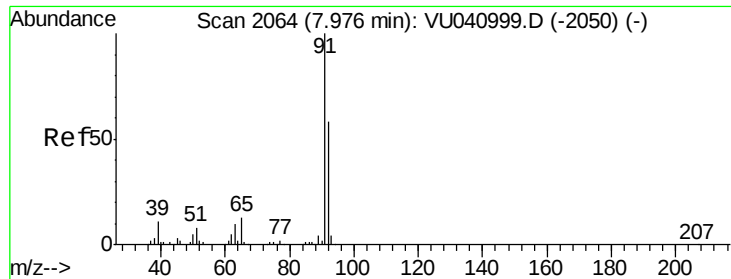
MMDadoda
 10/29/2020 11:07:25 AM



#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

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





#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

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-05

Tot Ion: 91 Resp: 7520

Ion Ratio Lower Upper

91 100

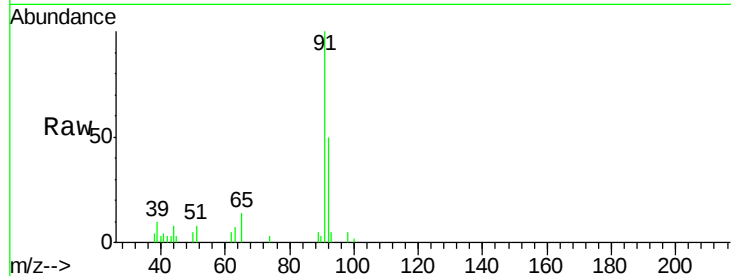
92 49.5 40.5 75.1

Manual Integrations

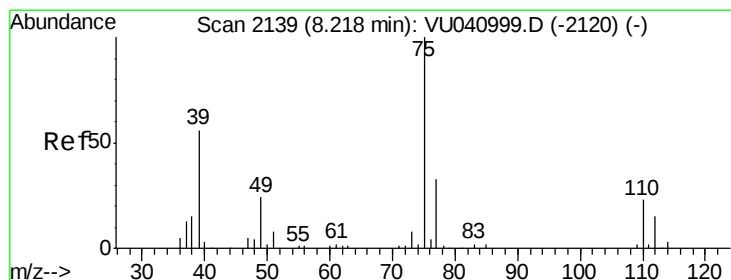
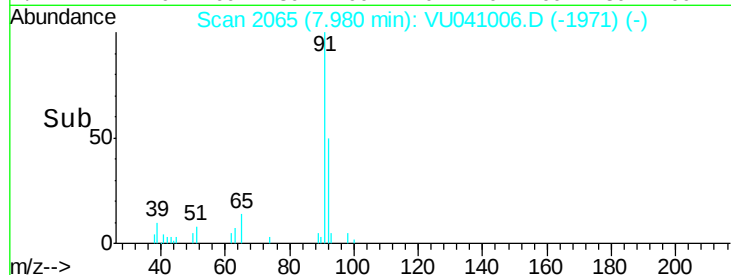
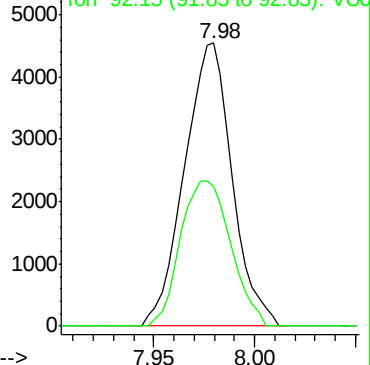
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Abundance Ion 91.15 (90.85 to 91.85): VU041006.D (-1971) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.219 ug/L m

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU041006.D

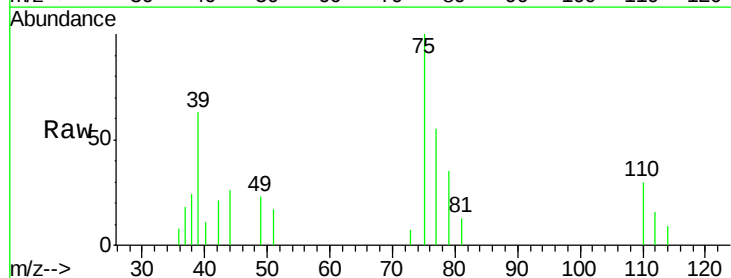
Acq: 28 Oct 2020 20:48

Tgt Ion: 75 Resp: 2519

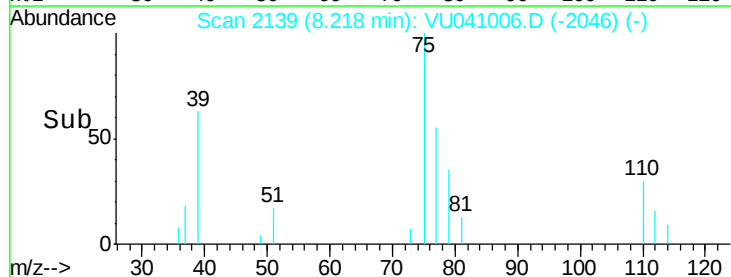
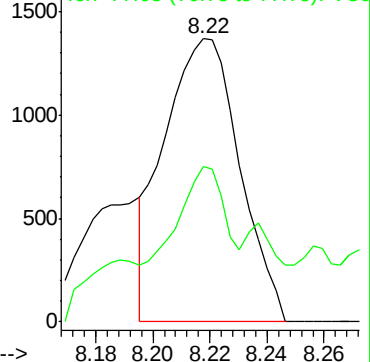
Ion Ratio Lower Upper

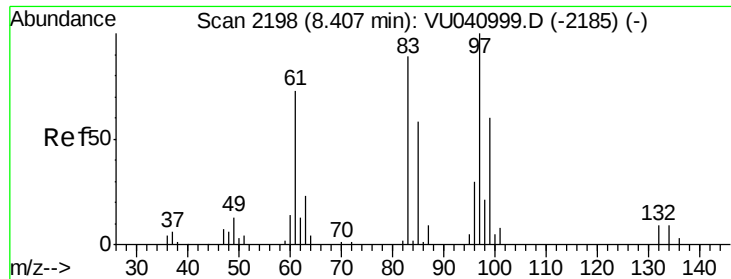
75 100

77 54.8 23.0 42.6#



Abundance Ion 75.05 (74.75 to 75.75): VU041006.D (-2046) (-)





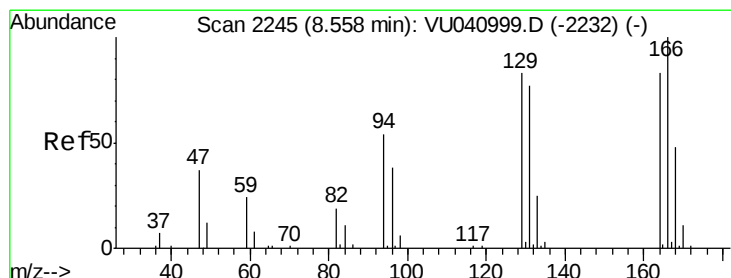
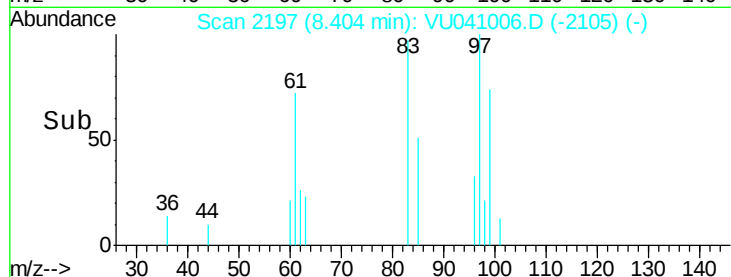
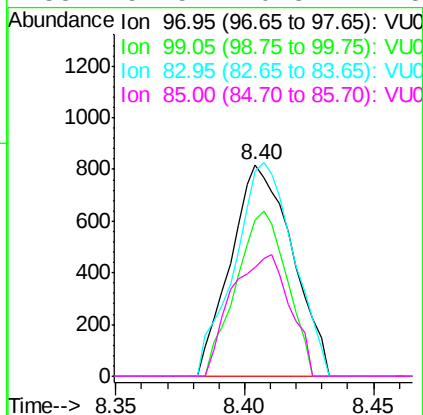
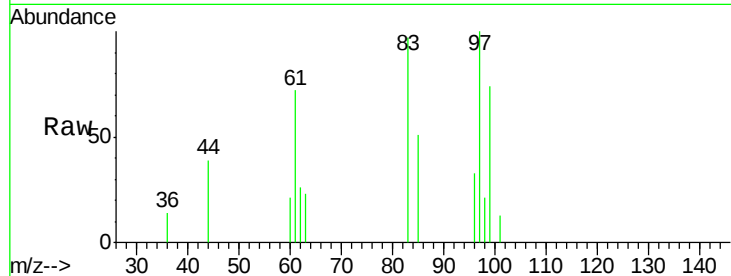
#45
1,1,2-Trichloroethane
Concen: 0.204 ug/L
RT: 8.40 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VU041006.D
Acq: 28 Oct 2020 20:48

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-05

Tot 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

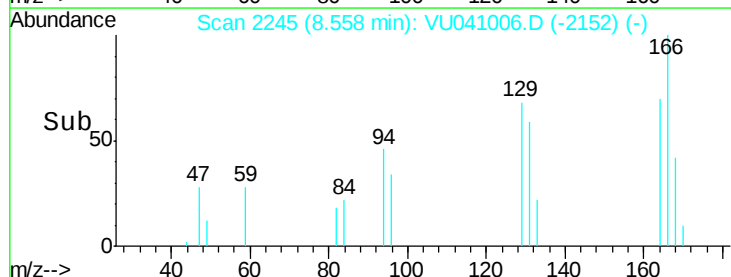
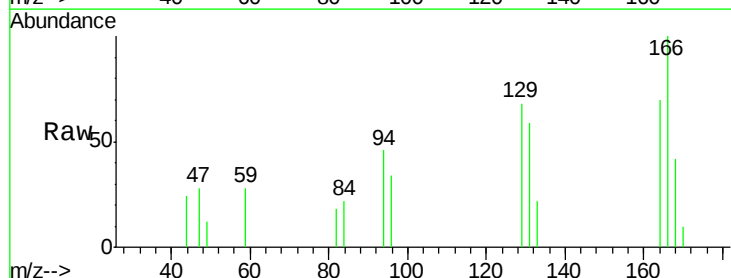
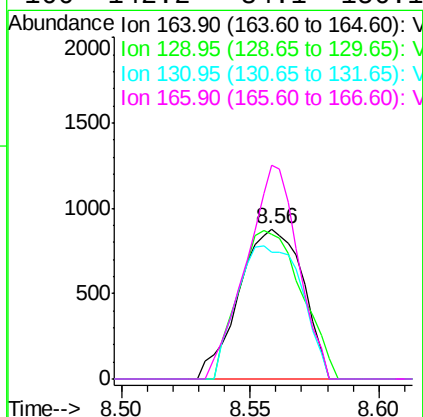
Manual Integrations
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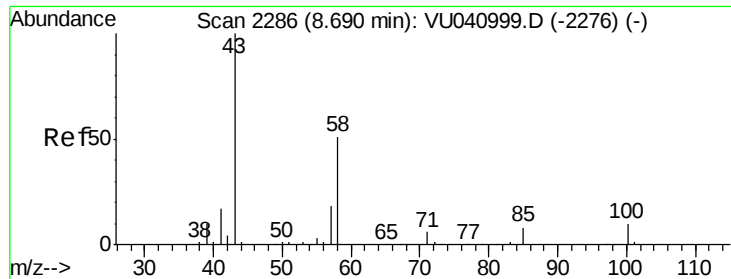
MMDadoda
10/29/2020 11:07:25 AM



#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

Tgt 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





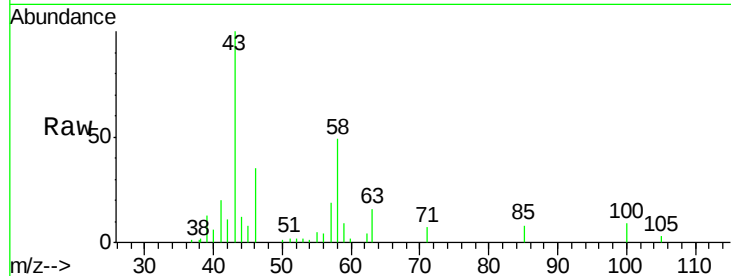
#48
2-Hexanone
Concen: 2.701 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU041006.D
Acq: 28 Oct 2020 20:48

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-05

Tot 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

Manual Integrations
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MMDadoda
10/29/2020 11:07:25 AM

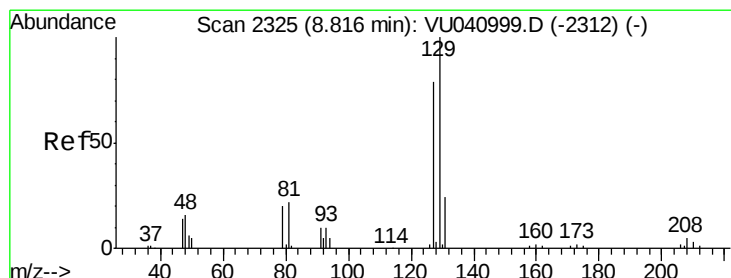
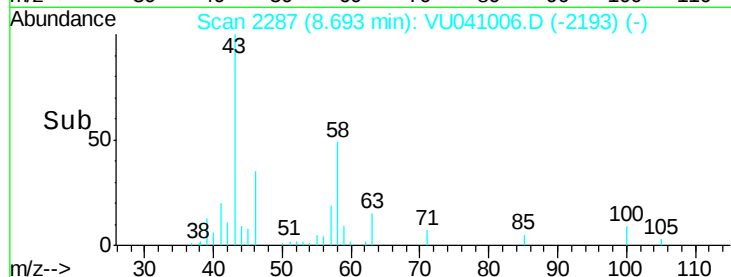
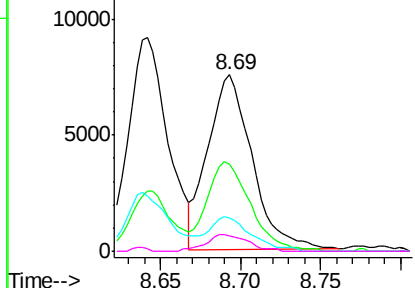


Abundance Ion 43.05 (42.75 to 43.75): VU040999.D (-2276) (-)

Ion 58.05 (57.75 to 58.75): VU040999.D (-2276) (-)

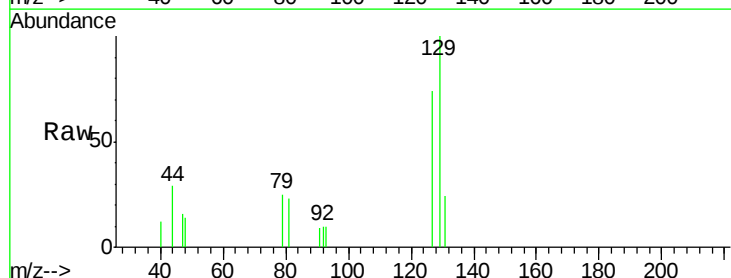
Ion 57.20 (56.90 to 57.90): VU040999.D (-2276) (-)

Ion 100.15 (99.85 to 100.85): VU040999.D (-2276) (-)



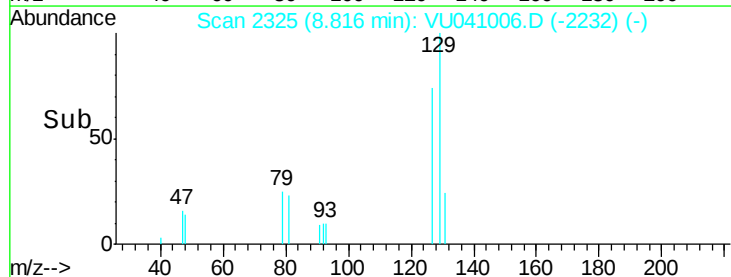
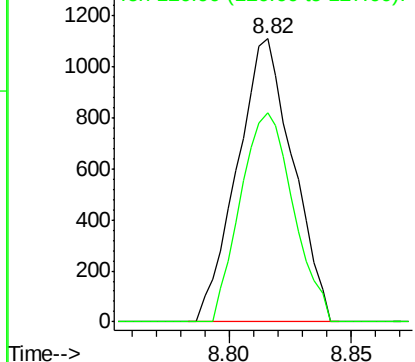
#49
Dibromochloromethane
Concen: 0.228 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU041006.D
Acq: 28 Oct 2020 20:48

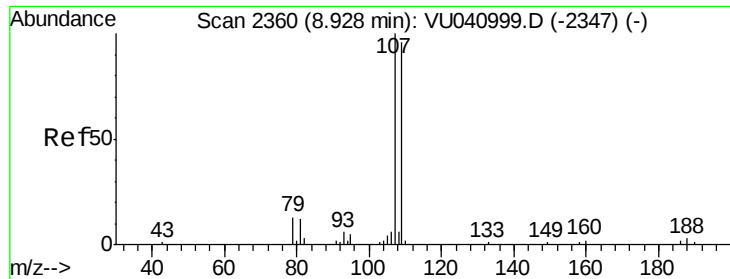
Tgt Ion:	129	Resp:	1757
Ion	Ratio	Lower	Upper
129	100		
127	73.7	55.3	102.7



Abundance Ion 128.95 (128.65 to 129.65): VU040999.D (-2312) (-)

Ion 126.90 (126.60 to 127.60): VU040999.D (-2312) (-)





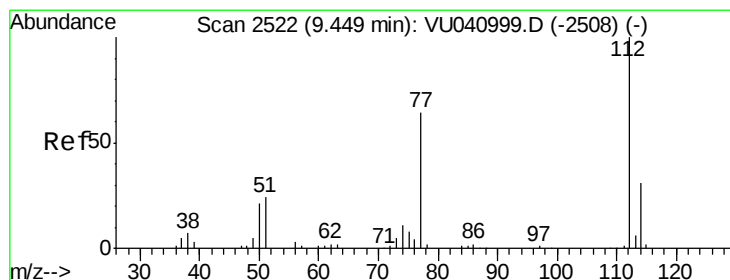
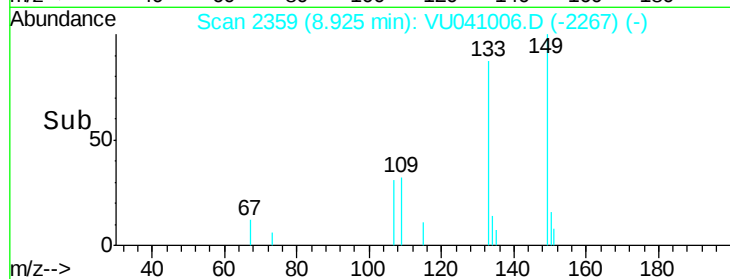
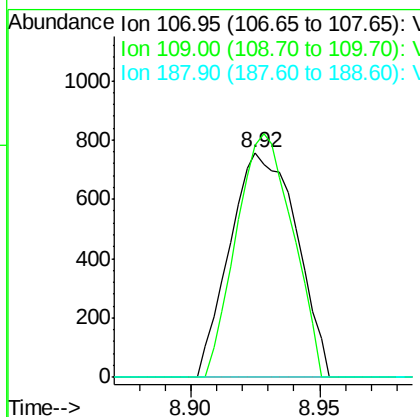
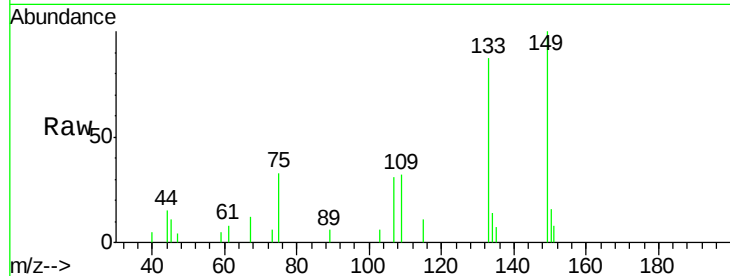
#50
1,2-Dibromoethane
Concen: 0.218 ug/L
RT: 8.92 min Scan# 2359
Delta R.T. -0.00 min
Lab File: VU041006.D
Acq: 28 Oct 2020 20:48

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-05

Tot Ion	Ratio	Lower	Upper
107	100		
109	103.0	67.1	124.5
188	0.0	2.3	3.5#

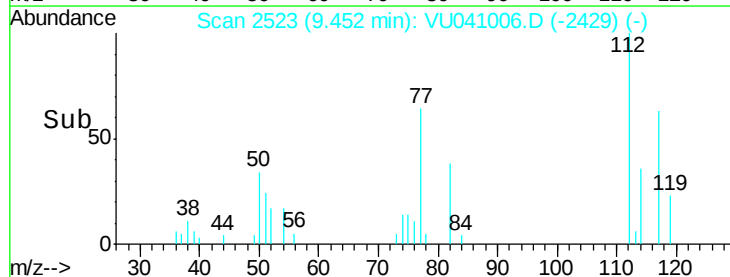
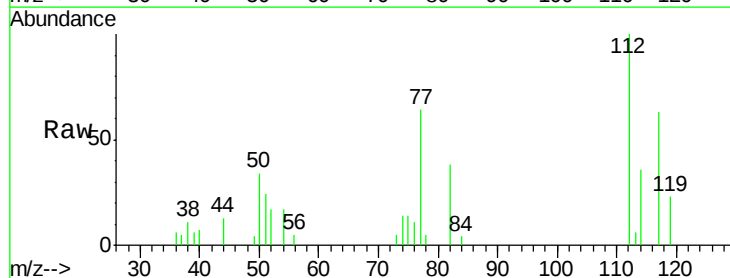
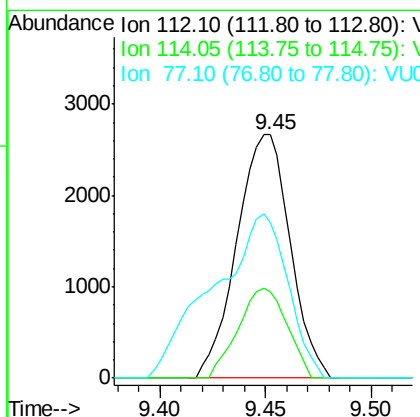
Manual Integrations
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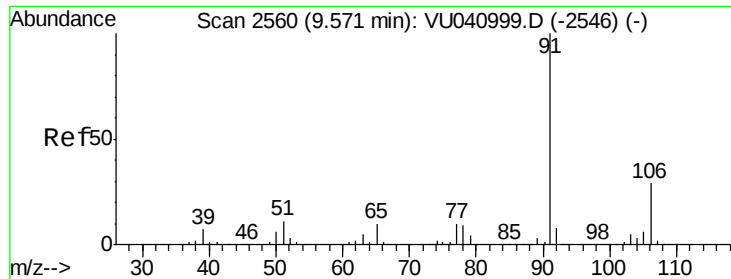
MMDadoda
10/29/2020 11:07:25 AM



#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

Tgt Ion	Ratio	Lower	Upper
112	100		
114	35.5	21.9	40.7
77	63.8	51.4	77.2





#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

Tot Ion: 91 Resp: 7042

Ion Ratio Lower Upper

91 100

106 29.4 20.6 38.4

Instrument :

MSVOA_U

ClientSampled :

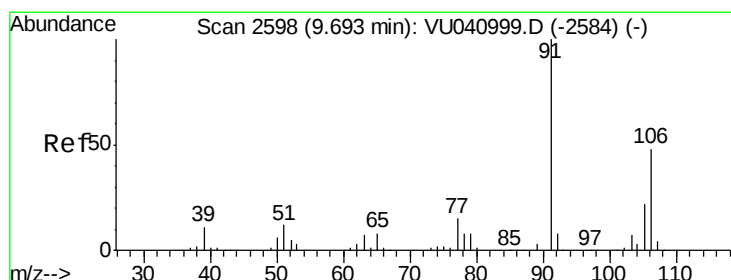
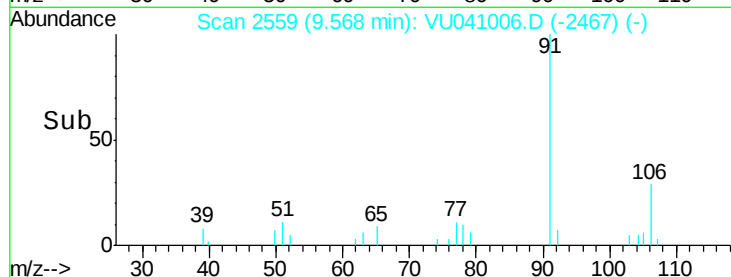
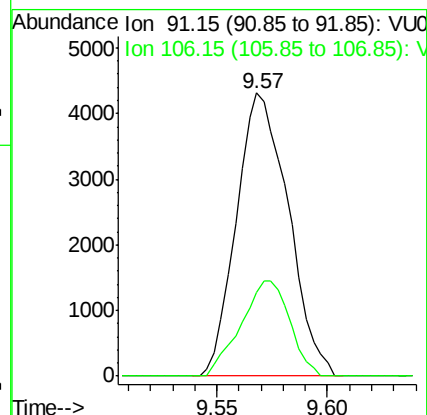
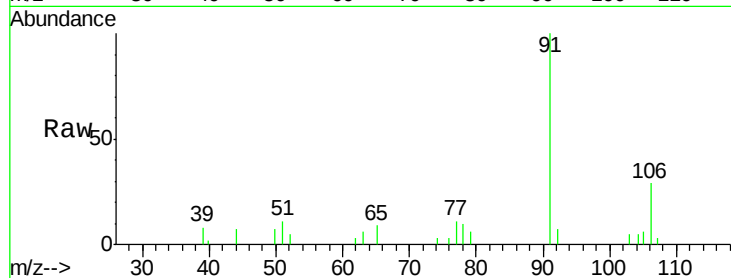
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#53

m,p-Xylene

Concen: 0.178 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU041006.D

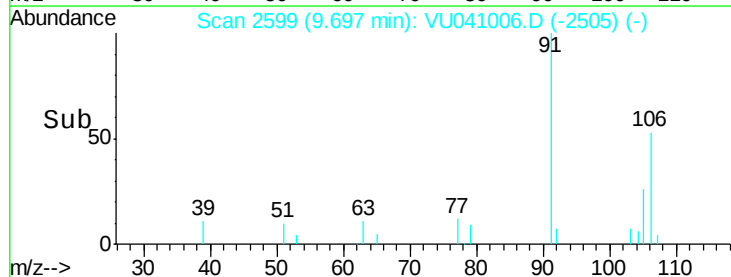
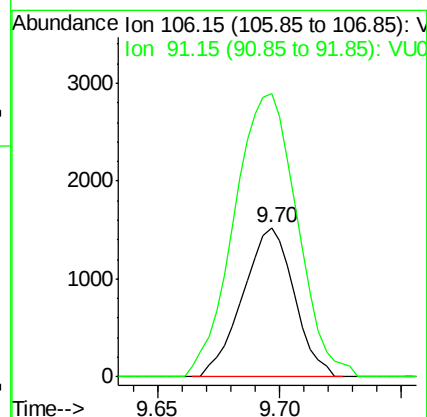
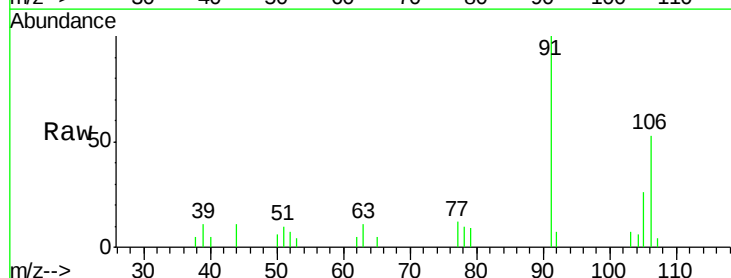
Acq: 28 Oct 2020 20:48

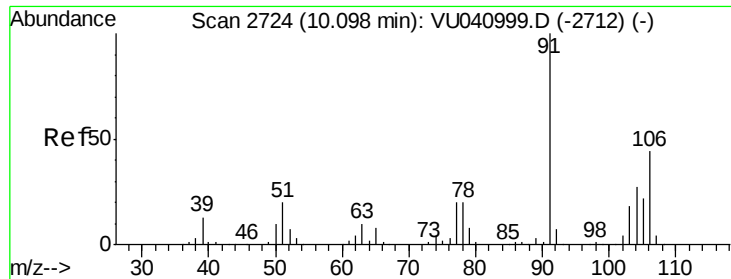
Tgt Ion: 106 Resp: 2227

Ion Ratio Lower Upper

106 100

91 190.0 147.6 274.0





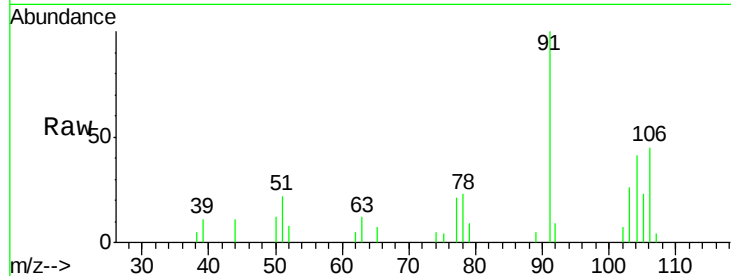
#54
o-Xylene
Concen: 0.191 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU041006.D
Acq: 28 Oct 2020 20:48

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-05

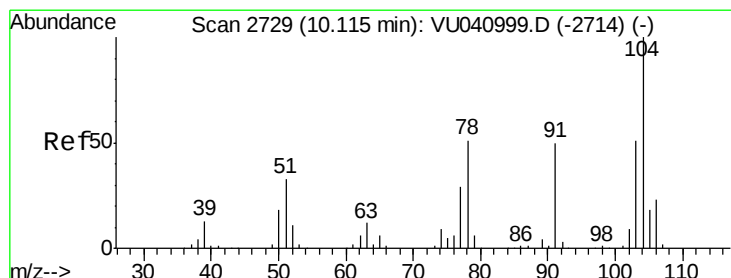
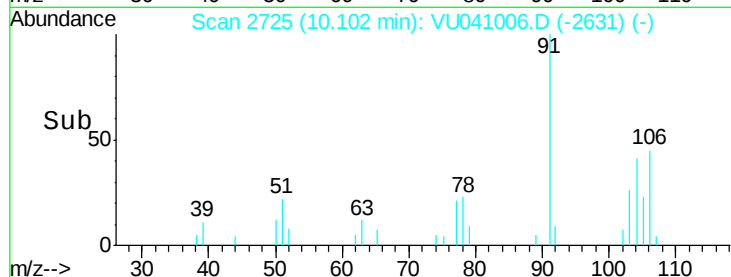
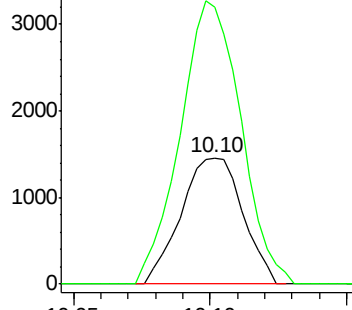
Tot Ion:106 Resp: 2284
Ion Ratio Lower Upper
106 100
91 220.0 158.3 294.1

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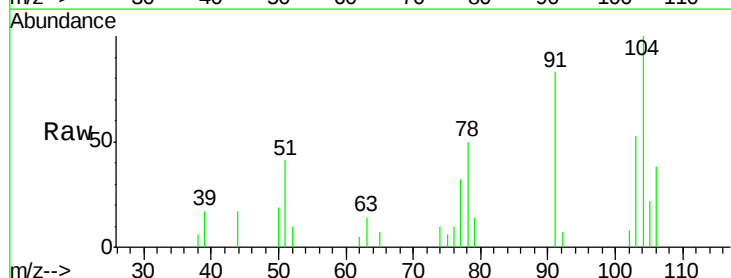


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

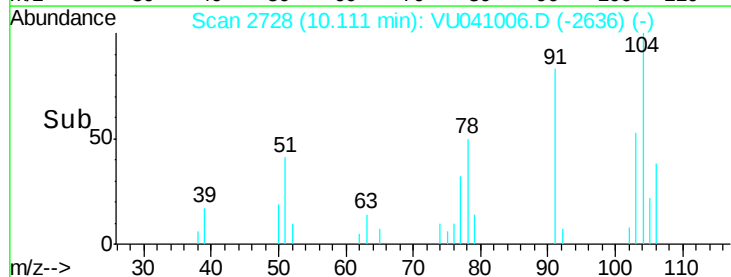
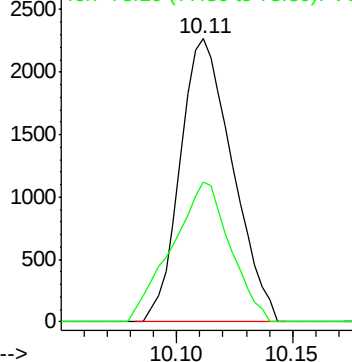


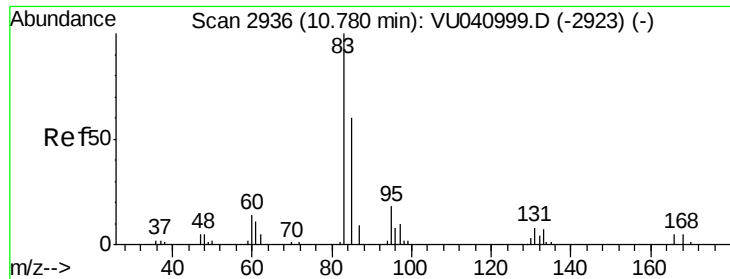
#55
Styrene
Concen: 0.171 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. -0.00 min
Lab File: VU041006.D
Acq: 28 Oct 2020 20:48

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



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





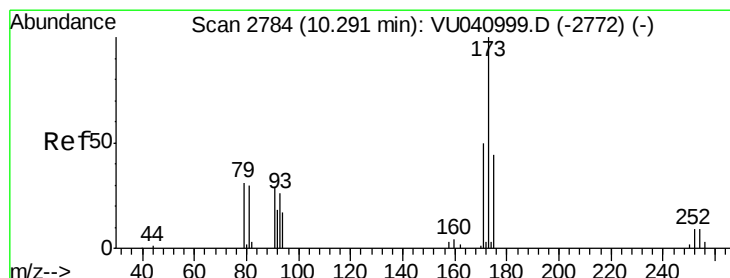
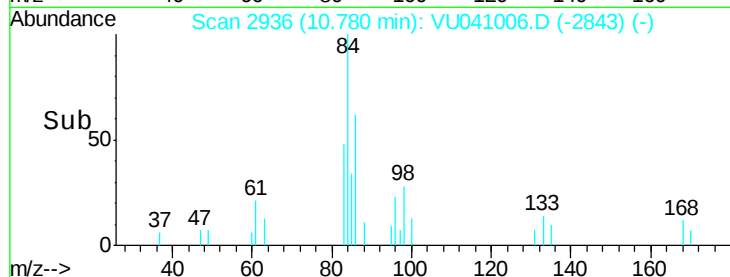
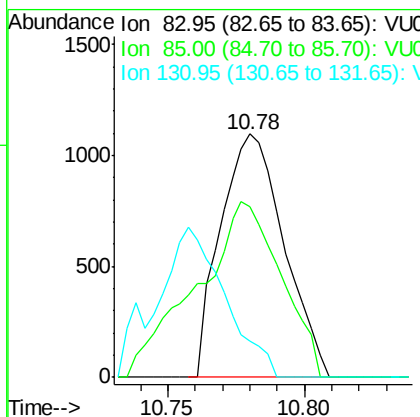
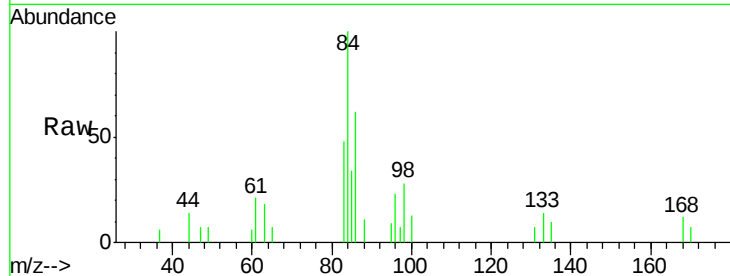
#57
 1,1,2,2-Tetrachloroethane
 Concen: 0.206 ug/L
 RT: 10.78 min Scan# 2936
 Delta R.T. 0.00 min
 Lab File: VU041006.D
 Acq: 28 Oct 2020 20:48

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-05

Tot Ion	Ratio	Lower	Upper
83	100		
85	70.2	42.1	78.3
131	14.7	6.7	10.1

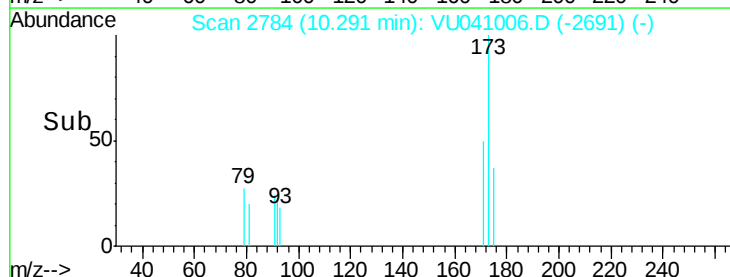
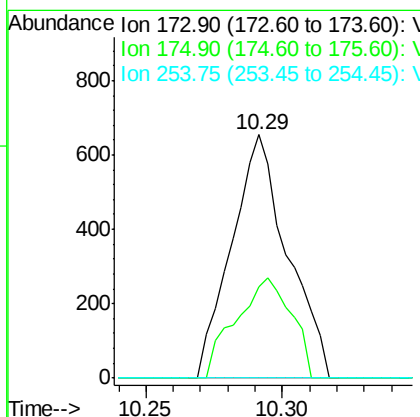
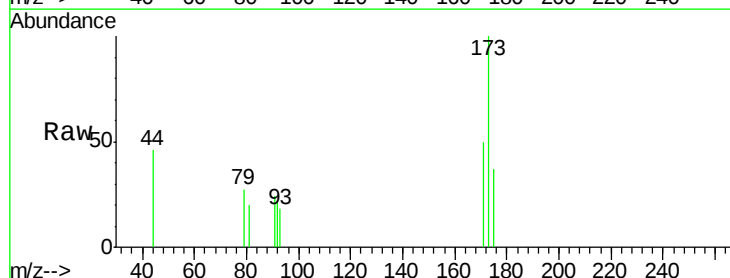
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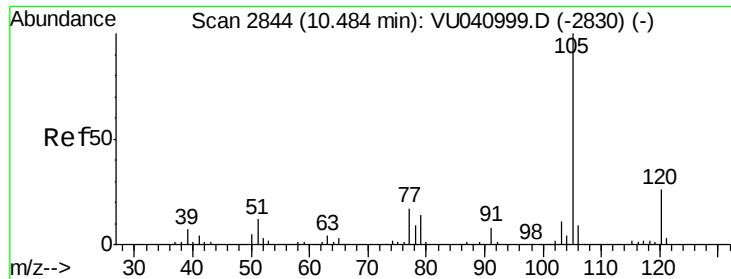
MMDadoda
 10/29/2020 11:07:25 AM



#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

Tgt Ion	Ratio	Lower	Upper
173	100		
175	40.9	36.7	55.1
254	0.0	6.5	9.7





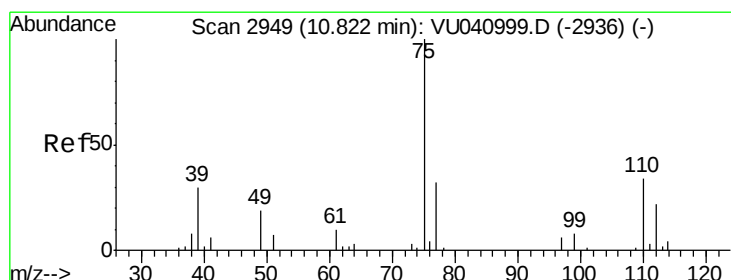
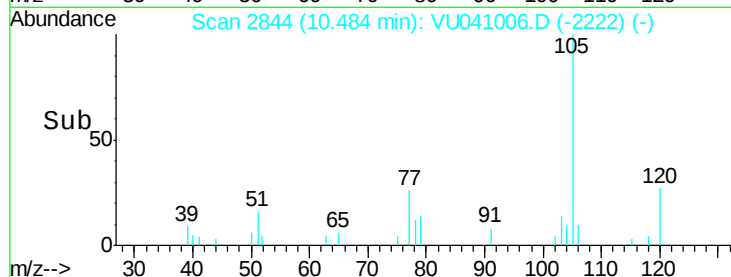
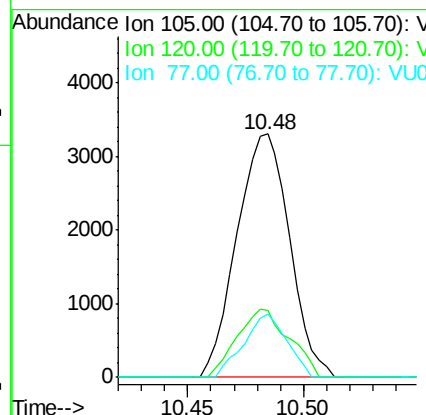
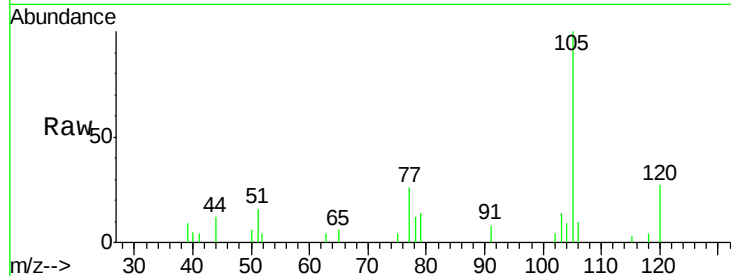
#60
Isopropylbenzene
Concen: 0.184 ug/L
RT: 10.48 min Scan# 2844
Delta R.T. 0.00 min
Lab File: VU041006.D
Acq: 28 Oct 2020 20:48

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-05

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.9	20.2	30.4
77	21.3	14.4	21.6

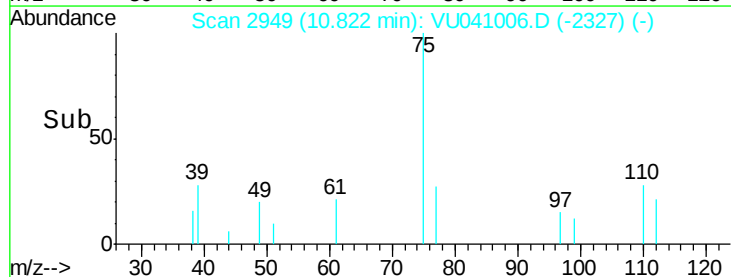
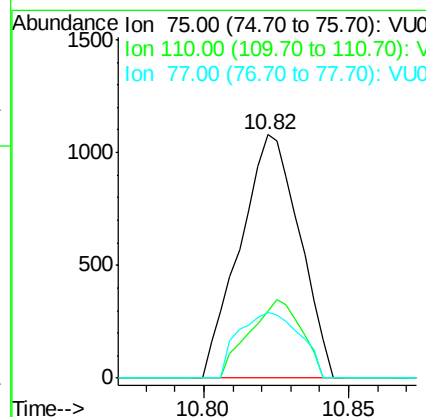
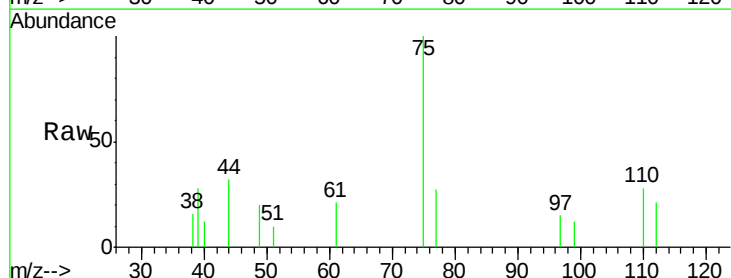
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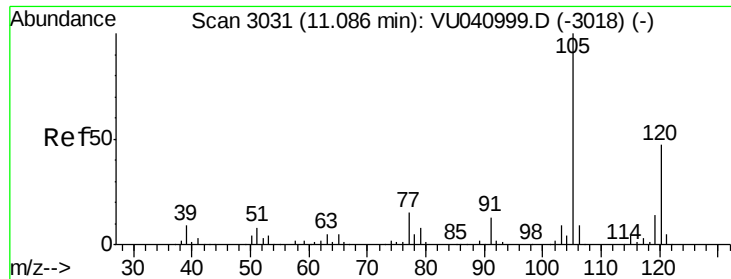
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#61
1,2,3-Trichloropropane
Concen: 0.262 ug/L
RT: 10.82 min Scan# 2949
Delta R.T. 0.00 min
Lab File: VU041006.D
Acq: 28 Oct 2020 20:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	28.2	27.5	41.3
77	27.8	24.9	37.3





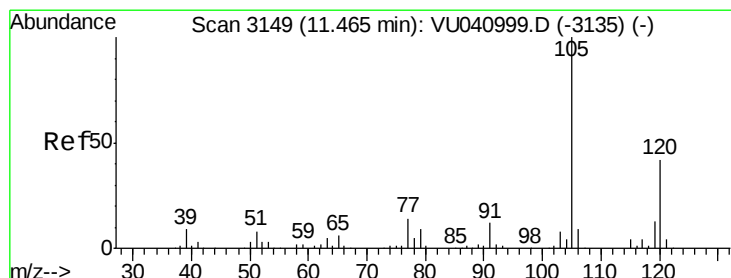
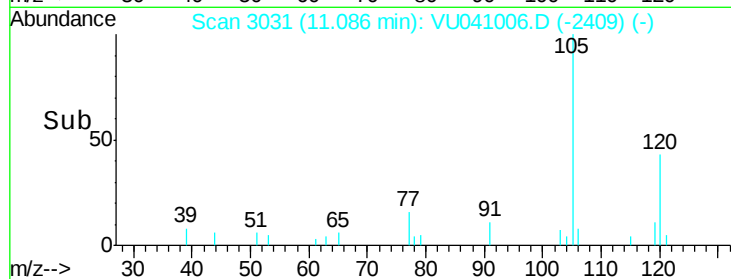
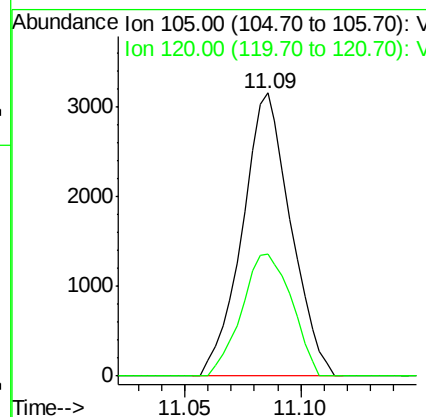
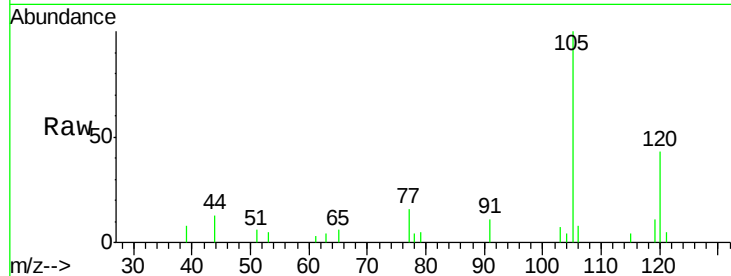
#62
 1,3,5-Trimethylbenzene
 Concen: 0.202 ug/L
 RT: 11.09 min Scan# 3031
 Delta R.T. 0.00 min
 Lab File: VU041006.D
 Acq: 28 Oct 2020 20:48

Instrument :
 MSVOA_U
 ClientSampled :
 MDL-WATER-05

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

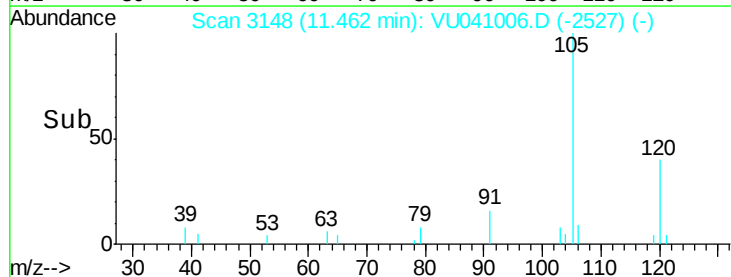
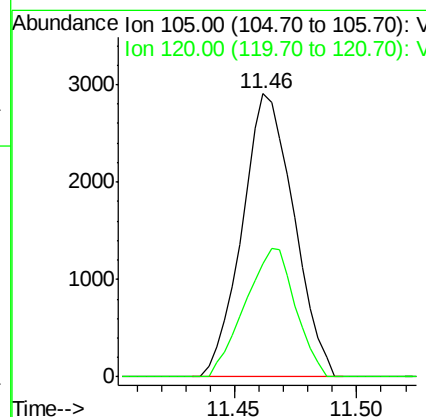
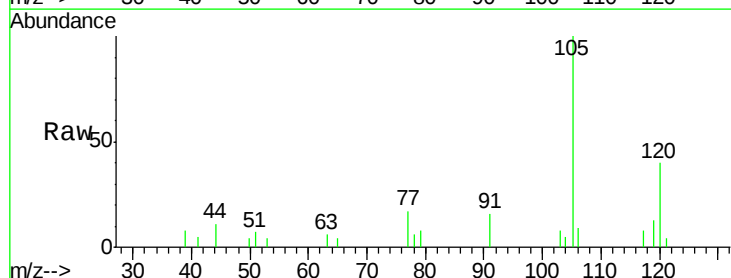
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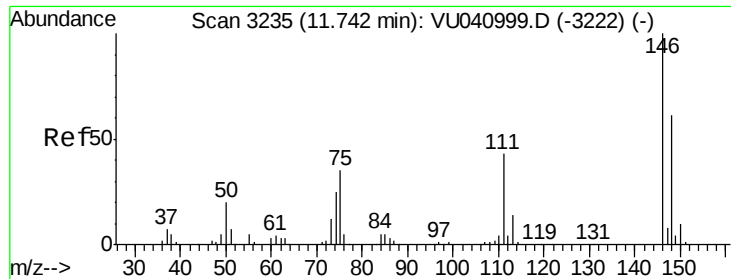
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#63
 1,2,4-Trimethylbenzene
 Concen: 0.185 ug/L
 RT: 11.46 min Scan# 3148
 Delta R.T. -0.00 min
 Lab File: VU041006.D
 Acq: 28 Oct 2020 20:48

Tgt 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

Instrument :

MSVOA_U

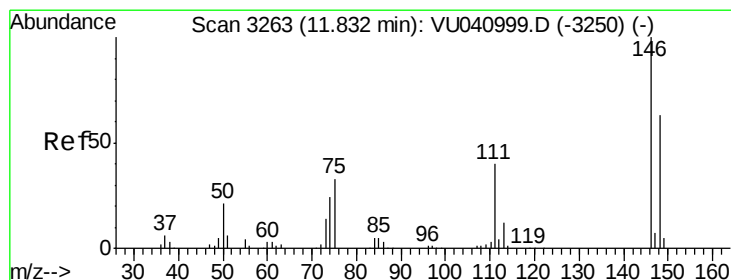
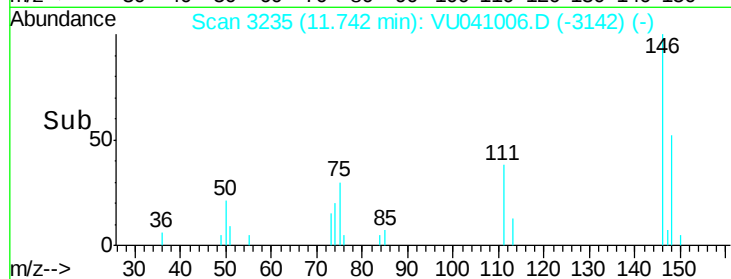
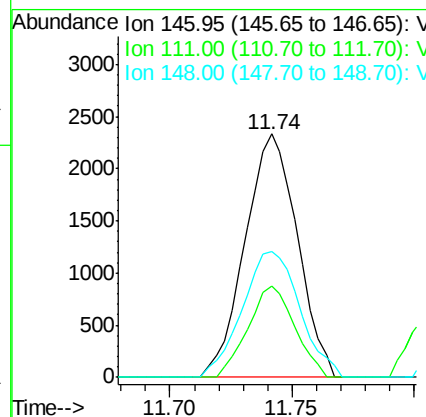
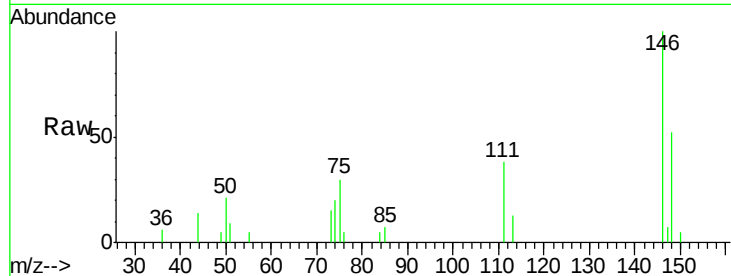
ClientSampleId :

MDL-WATER-05

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

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#65

1,4-Dichlorobenzene

Concen: 0.222 ug/L

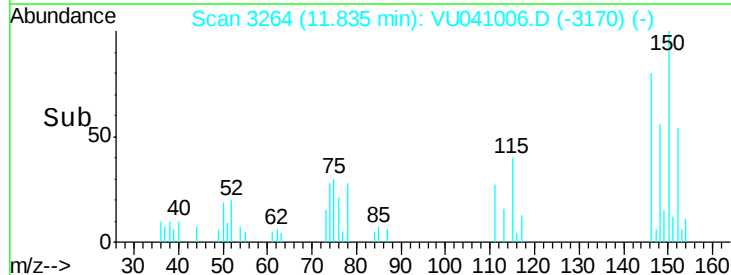
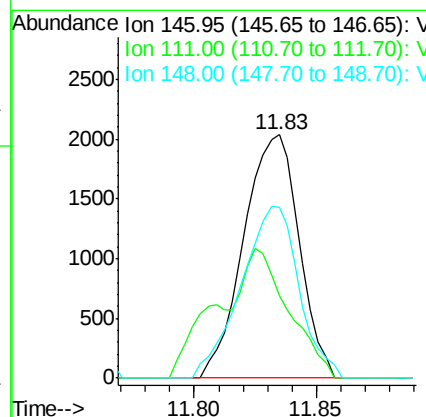
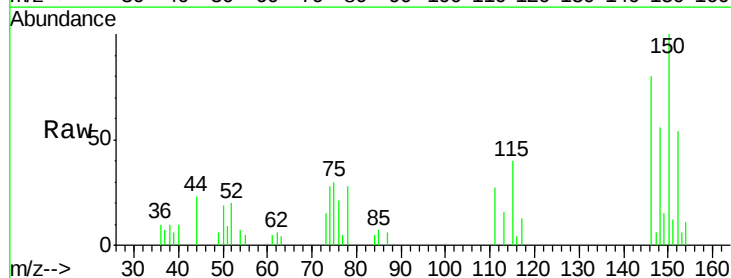
RT: 11.83 min Scan# 3264

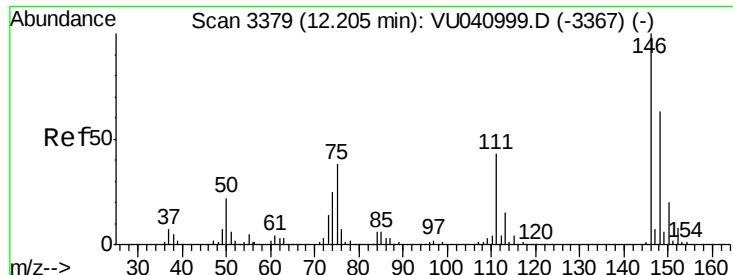
Delta R.T. 0.00 min

Lab File: VU041006.D

Acq: 28 Oct 2020 20:48

Tgt Ion:	146	Resp:	3204
Ion Ratio	Lower	Upper	
146	100		
111	33.9	28.3	52.7
148	70.3	44.1	81.9





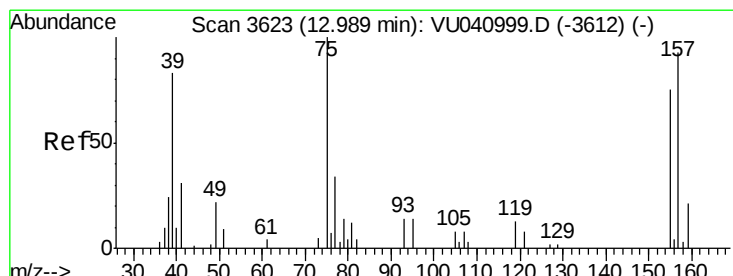
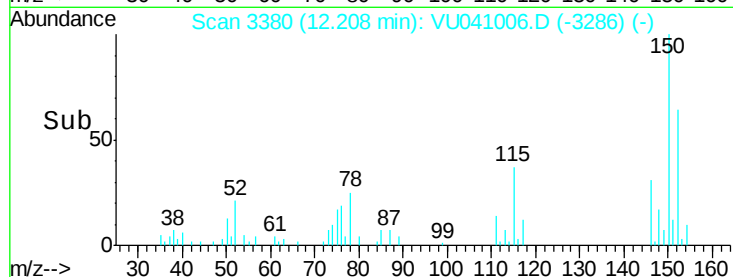
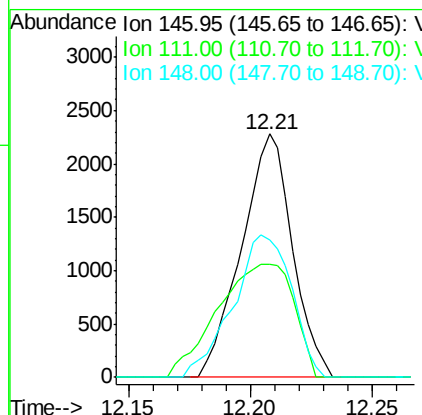
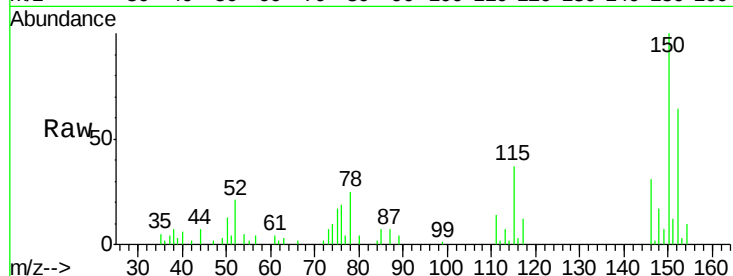
#67
 1,2-Dichlorobenzene
 Concen: 0.241 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU041006.D
 Acq: 28 Oct 2020 20:48

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-05

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.6	34.7	52.1
148	56.2	50.7	76.1

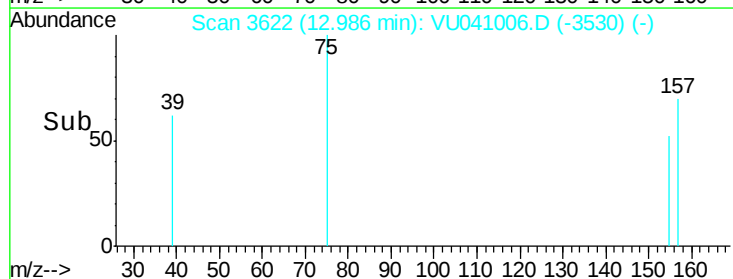
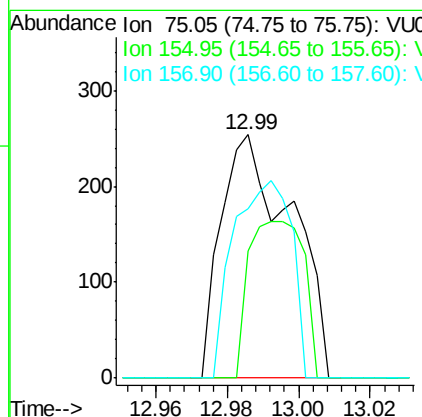
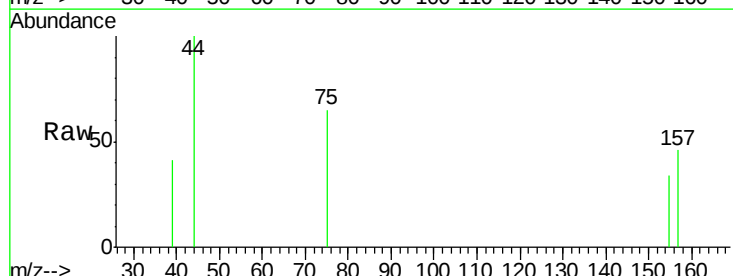
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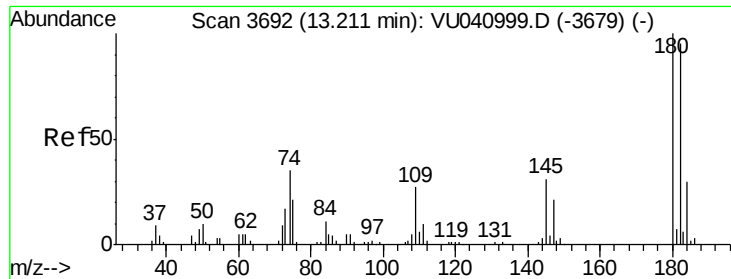
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#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.255 ug/L
 RT: 12.99 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VU041006.D
 Acq: 28 Oct 2020 20:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	52.0	60.2	90.2#
157	69.7	74.4	111.6#





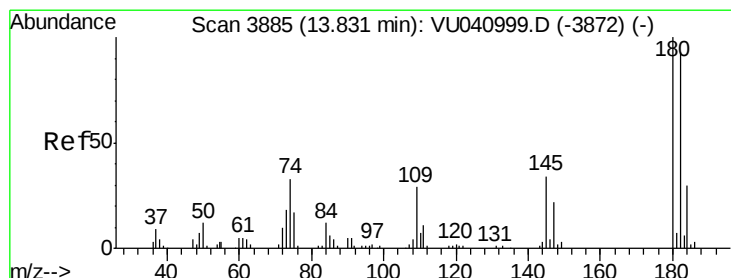
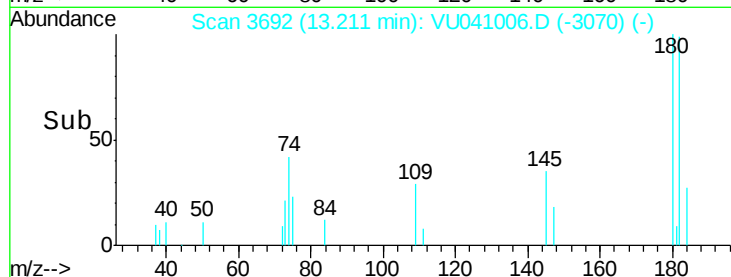
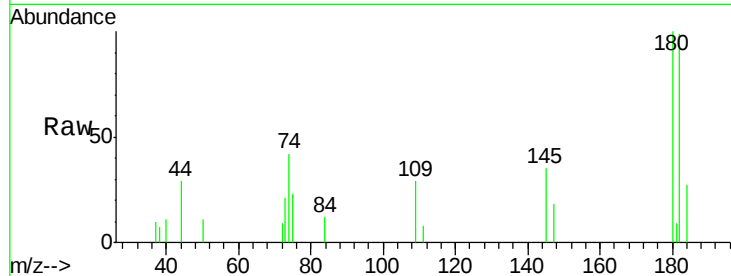
#69
 1,3,5-Trichlorobenzene
 Concen: 0.244 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041006.D
 Acq: 28 Oct 2020 20:48

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-05

Tot 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

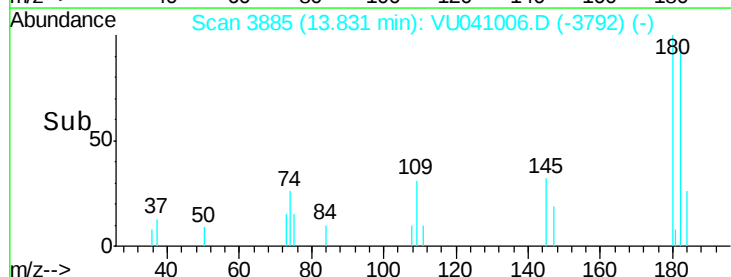
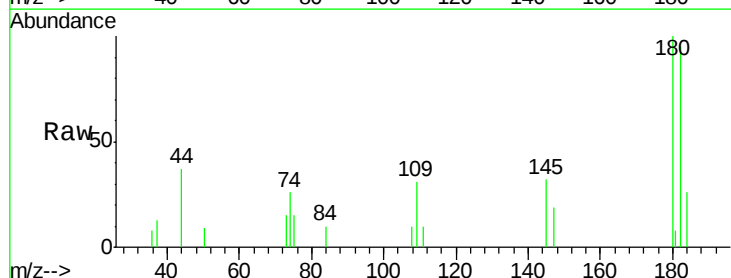
Manual Integrations
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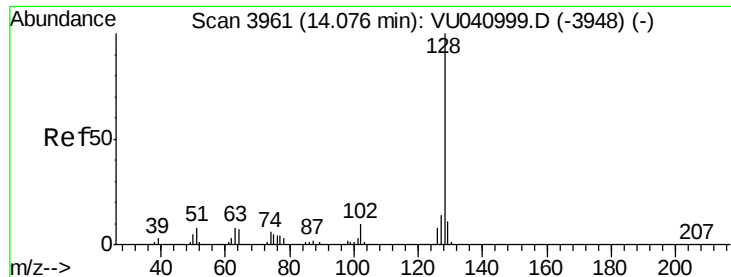
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#70
 1,2,4-trichlorobenzene
 Concen: 0.214 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU041006.D
 Acq: 28 Oct 2020 20:48

Tgt 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

Instrument :

MSVOA_U

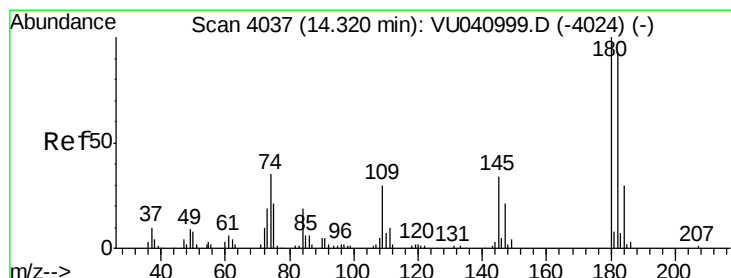
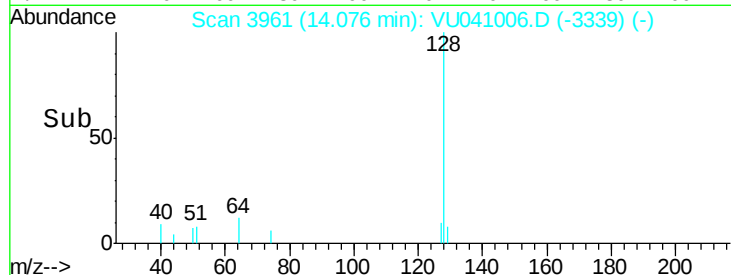
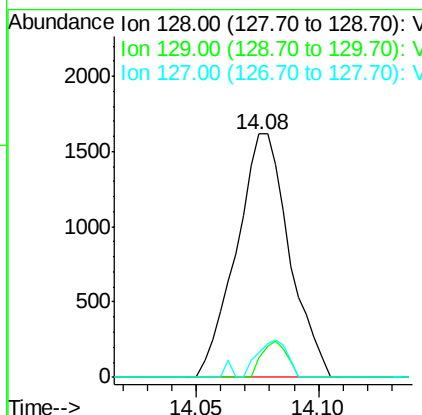
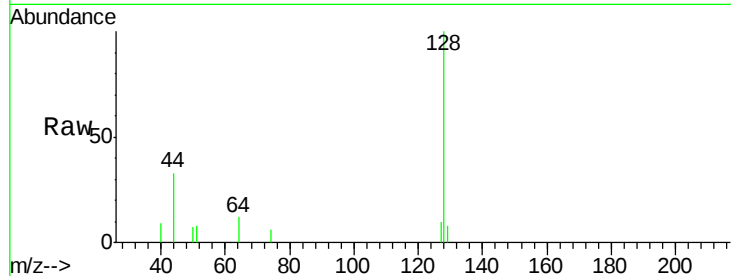
ClientSampleId :

MDL-WATER-05

Tot Ion	Ratio	Lower	Upper
128	100		
129	7.0	8.8	13.2#
127	8.5	11.2	16.8#

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#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

Tgt Ion	Ratio	Lower	Upper
180	100		
182	103.5	76.7	115.1
145	38.0	27.4	41.0

