

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102820\
 Data File : VU041005.D
 Acq On : 28 Oct 2020 20:25
 Operator : SY/MD
 Sample : L4485-11
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 MDL-WATER-04

Manual Integrations
 APPROVED

MMDadoda
 10/29/2020 11:07:19 AM

Quant Time: Oct 29 02:25:34 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	115508	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	115921	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	50096	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	36465	4.69	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.80%
7) Chloroethane-d5	1.92	69	31608	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.60%
11) 1,1-Dichloroethene-d2	2.58	65	18037	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.00%
20) 2-Butanone-d5	4.66	46	164064	50.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.32%
24) Chloroform-d	5.08	84	76188	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.72	65	49999	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
32) Benzene-d6	5.74	84	136268	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.70	67	49119	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	7.91	98	112755	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
43) trans-1,3-Dichloropropene-	8.19	79	19167	4.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.40%
46) 2-Hexanone-d5	8.64	63	112492	49.91	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.82%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	44374	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.00%
66) 1,2-Dichlorobenzene-d4	12.19	152	42355	5.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	2492	0.253 ug/L	92
3) Chloromethane	1.53	50	2910	0.282 ug/L	91
5) Vinyl chloride	1.61	62	2788	0.273 ug/L #	62
6) Bromomethane	1.87	94	1242	0.228 ug/L	81
8) Chloroethane	1.95	64	1595m	0.244 ug/L	
9) Trichlorofluoromethane	2.15	101	3380	0.239 ug/L	89
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	2374	0.289 ug/L #	86
12) 1,1-Dichloroethene	2.59	96	2337	0.299 ug/L #	1
13) Acetone	2.68	43	4469m	2.202 ug/L	
14) Carbon disulfide	2.81	76	7096	0.285 ug/L	97
15) Methyl Acetate	2.98	43	1370	0.288 ug/L #	57
16) Methylene chloride	3.06	84	3612	0.387 ug/L	93
17) Methyl tert-butyl Ether	3.38	73	5037	0.247 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	2024	0.255 ug/L	91
19) 1,1-Dichloroethane	3.89	63	4008	0.244 ug/L	93
21) 2-Butanone	4.74	43	6524m	1.981 ug/L	
22) cis-1,2-Dichloroethene	4.69	96	2124	0.251 ug/L	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	992	0.246	ug/L	87
25) Chloroform	5.11	83	5435	0.324	ug/L	99
27) 1,2-Dichloroethane	5.81	62	3224	0.263	ug/L #	78
29) 1,1,1-Trichloroethane	5.34	97	3404	0.236	ug/L	95
30) Cyclohexane	5.40	56	3120	0.234	ug/L	95
31) Carbon tetrachloride	5.54	117	3148	0.256	ug/L	95
33) Benzene	5.79	78	8928	0.265	ug/L	100
34) Trichloroethene	6.56	95	2122	0.236	ug/L	97
35) Methylcyclohexane	6.77	83	2989	0.239	ug/L	97
37) 1,2-Dichloropropane	6.80	63	2406	0.251	ug/L #	91
38) Bromodichloromethane	7.12	83	2912	0.244	ug/L #	86
39) cis-1,3-Dichloropropene	7.62	75	3194	0.252	ug/L	100
40) 4-Methyl-2-pentanone	7.80	43	17234	2.384	ug/L #	88
42) Toluene	7.97	91	7959	0.233	ug/L	98
44) trans-1,3-Dichloropropene	8.21	75	2586m	0.219	ug/L	
45) 1,1,2-Trichloroethane	8.41	97	1544	0.226	ug/L	94
47) Tetrachloroethene	8.56	164	1752	0.282	ug/L	91
48) 2-Hexanone	8.69	43	17121	3.157	ug/L	94
49) Dibromochloromethane	8.81	129	1934	0.245	ug/L	97
50) 1,2-Dibromoethane	8.93	107	1527	0.239	ug/L #	93
51) Chlorobenzene	9.45	112	5740	0.262	ug/L	87
52) Ethylbenzene	9.57	91	8619	0.244	ug/L	99
53) m,p-Xylene	9.69	106	3014	0.235	ug/L	84
54) o-Xylene	10.10	106	2735	0.223	ug/L	87
55) Styrene	10.11	104	3958	0.186	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.78	83	2488	0.282	ug/L	92
59) Bromoform	10.29	173	976	0.250	ug/L #	87
60) Isopropylbenzene	10.48	105	6773	0.233	ug/L	97
61) 1,2,3-Trichloropropane	10.83	75	1806	0.299	ug/L #	91
62) 1,3,5-Trimethylbenzene	11.08	105	4787	0.205	ug/L	99
63) 1,2,4-Trimethylbenzene	11.46	105	5019	0.212	ug/L	95
64) 1,3-Dichlorobenzene	11.74	146	3482	0.240	ug/L	93
65) 1,4-Dichlorobenzene	11.83	146	3681	0.248	ug/L	91
67) 1,2-Dichlorobenzene	12.20	146	3693	0.263	ug/L #	86
68) 1,2-Dibromo-3-chloropropan	12.99	75	378	0.271	ug/L #	58
69) 1,3,5-Trichlorobenzene	13.21	180	2697	0.271	ug/L	98
70) 1,2,4-trichlorobenzene	13.83	180	2031	0.242	ug/L	90
71) Naphthalene	14.08	128	2715	0.185	ug/L #	79
72) 1,2,3-Trichlorobenzene	14.32	180	1789	0.228	ug/L	95

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

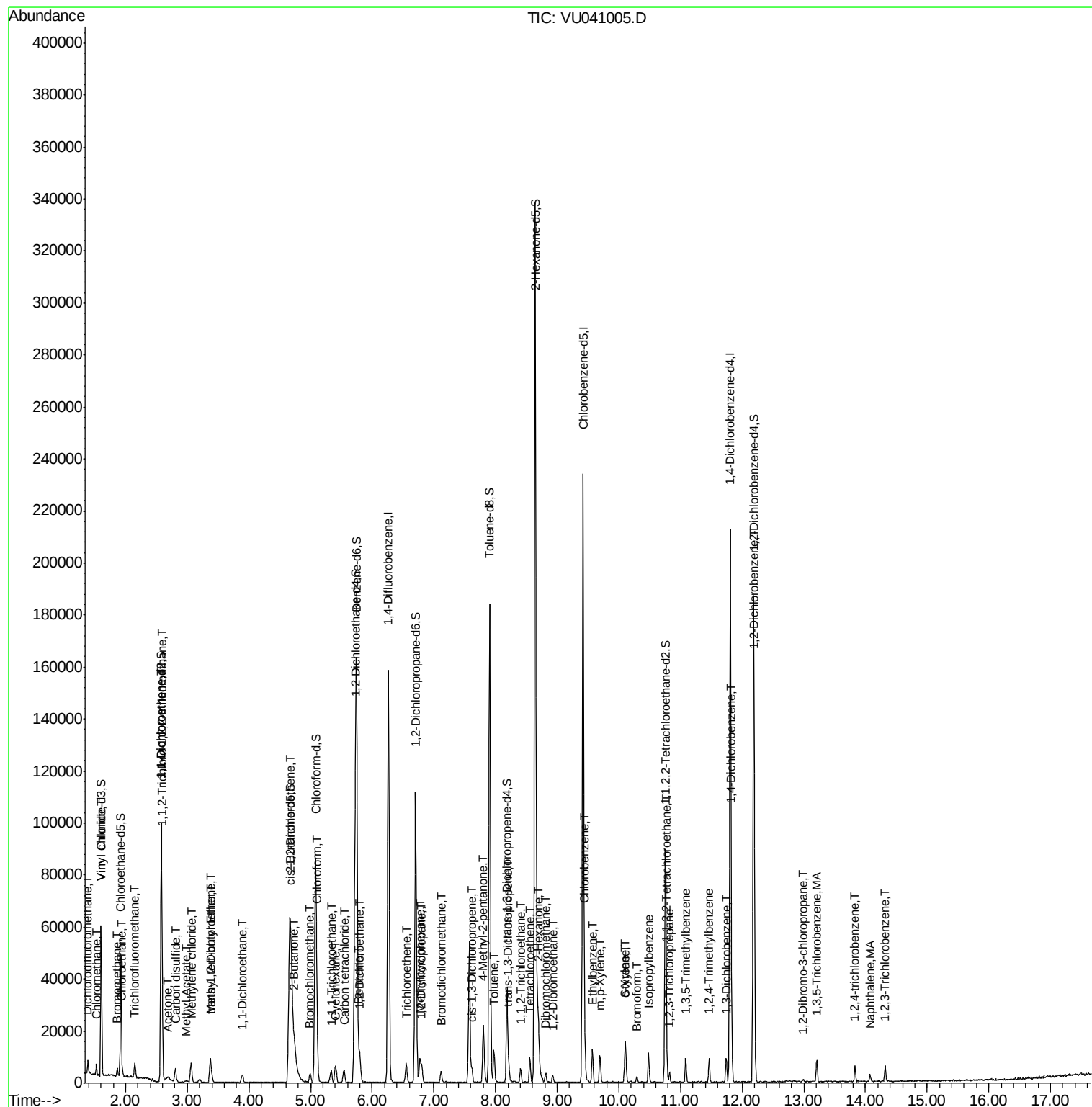
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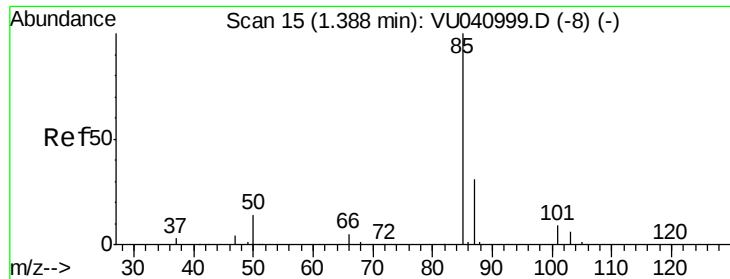
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-04

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#2

Dichlorodifluoromethane

Concen: 0.253 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041005.D

Acq: 28 Oct 2020 20:25

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-04

Tot Ion: 85 Resp: 2492

Ion Ratio Lower Upper

85 100

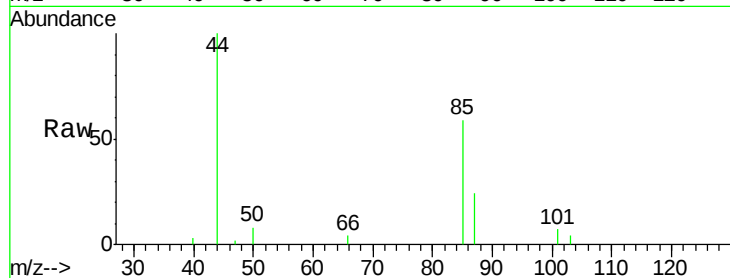
87 35.7 25.2 37.8

Manual Integrations

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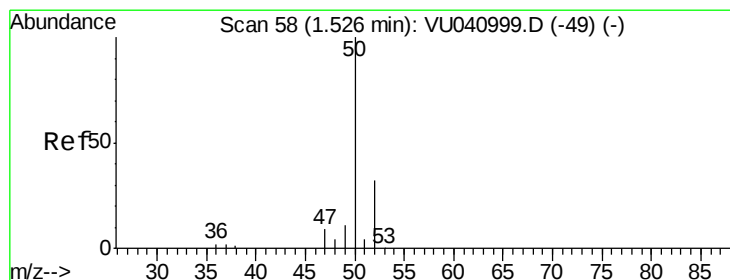
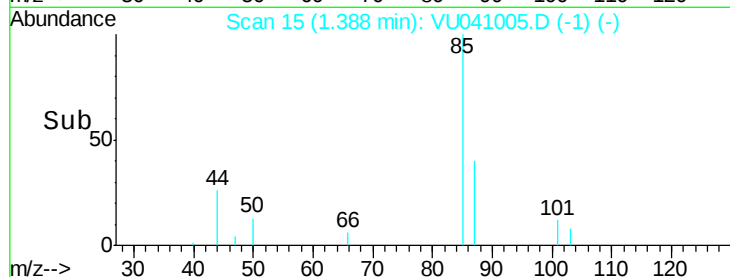
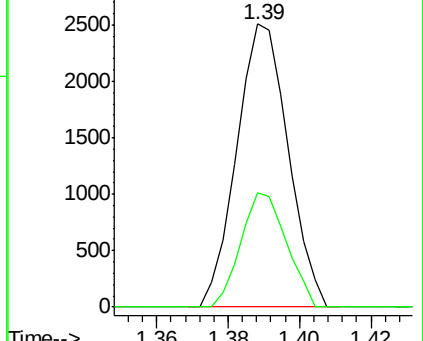
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Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.282 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041005.D

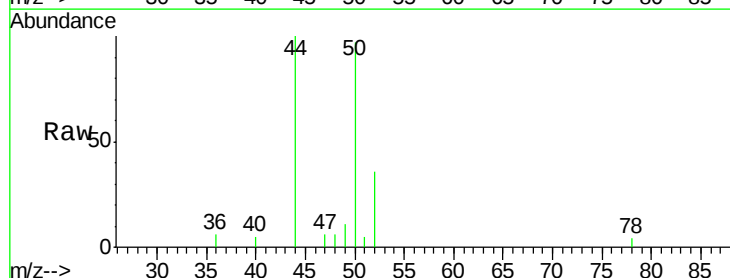
Acq: 28 Oct 2020 20:25

Tgt Ion: 50 Resp: 2910

Ion Ratio Lower Upper

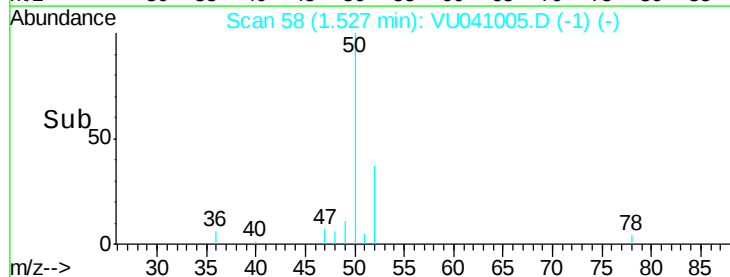
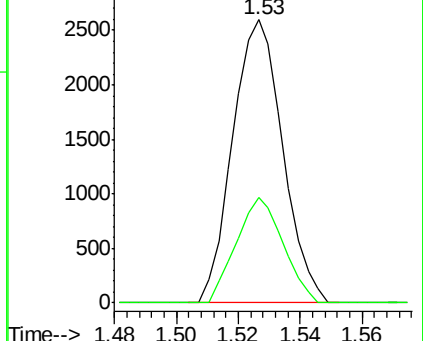
50 100

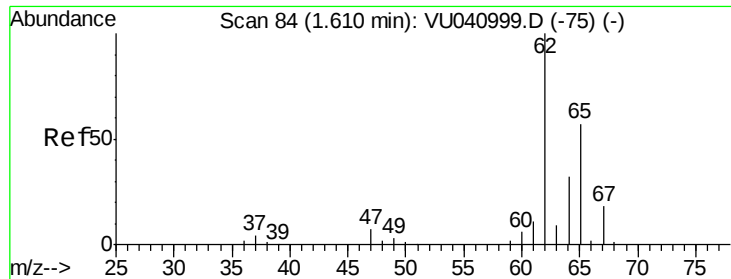
52 37.2 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.273 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041005.D

Acq: 28 Oct 2020 20:25

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-04

Tot Ion: 62 Resp: 2788

Ion Ratio Lower Upper

62 100

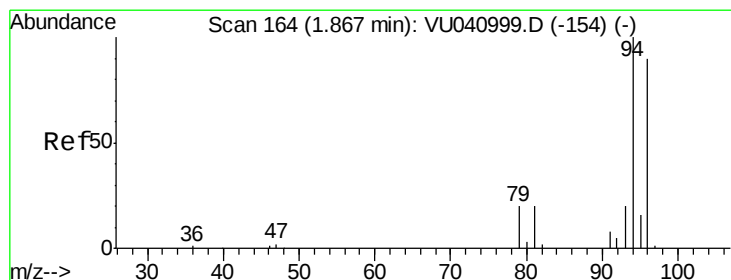
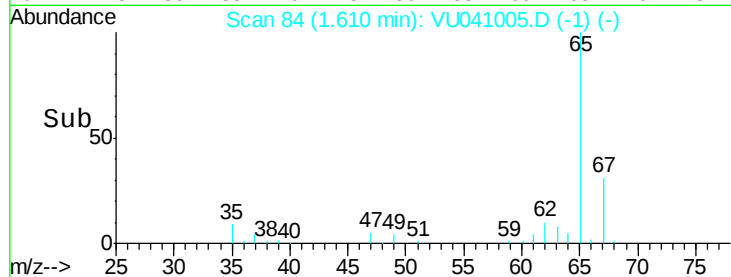
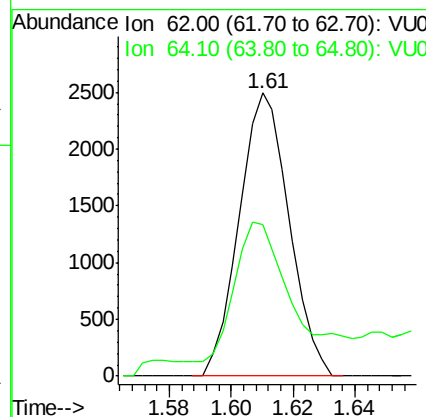
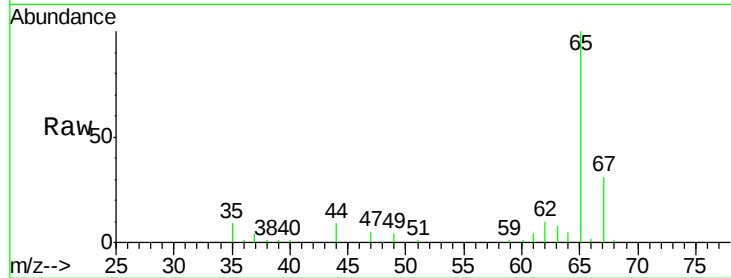
64 53.6 22.7 42.3#

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#6

Bromomethane

Concen: 0.228 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU041005.D

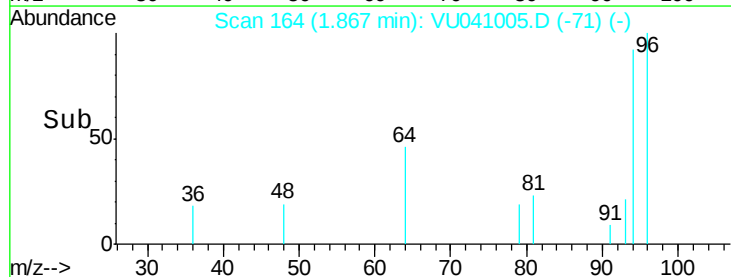
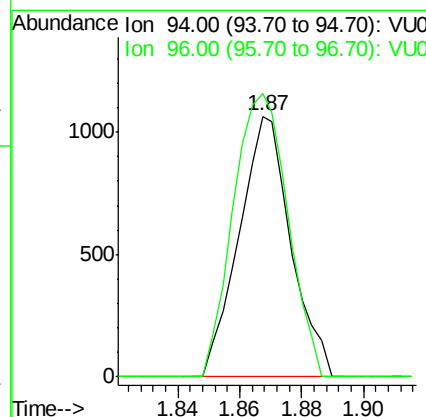
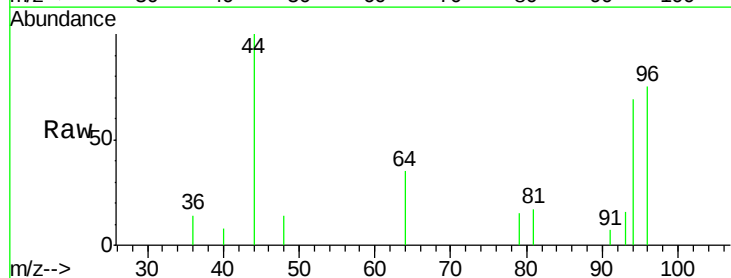
Acq: 28 Oct 2020 20:25

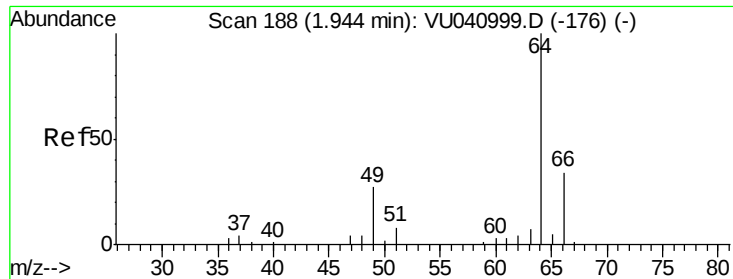
Tgt Ion: 94 Resp: 1242

Ion Ratio Lower Upper

94 100

96 108.5 63.2 117.4





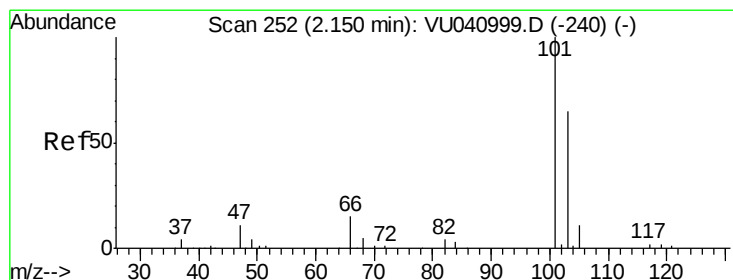
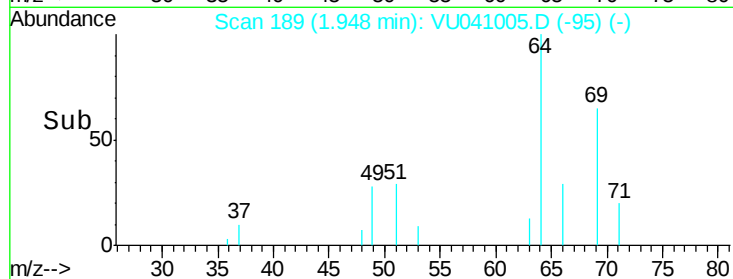
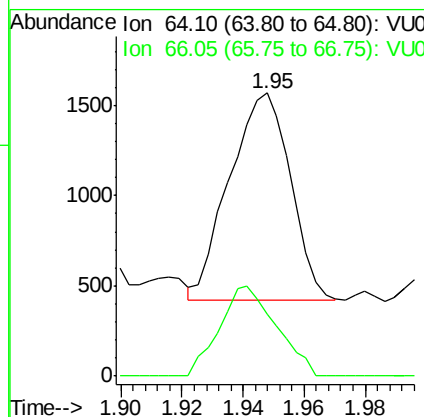
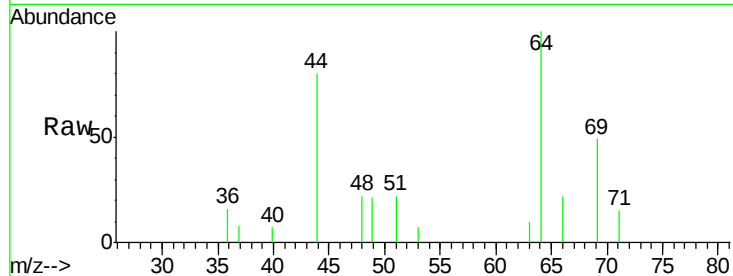
#8
 Chloroethane
 Concen: 0.244 ug/L m
 RT: 1.95 min Scan# 189
 Delta R.T. 0.00 min
 Lab File: VU041005.D
 Acq: 28 Oct 2020 20:25

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 MSVOA_U
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 MDL-WATER-04

Tot Ion: 64 Resp: 1595
 Ion Ratio Lower Upper
 64 100
 66 21.9 23.4 43.6#

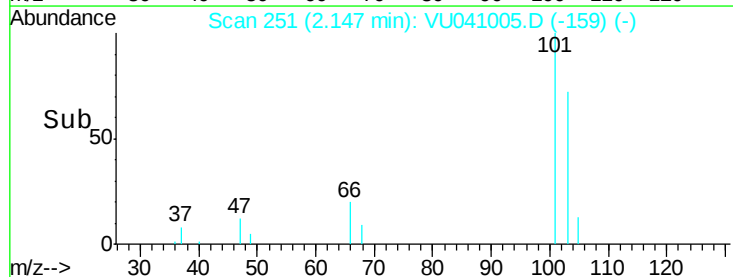
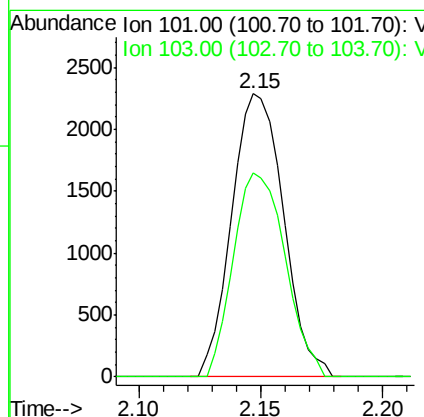
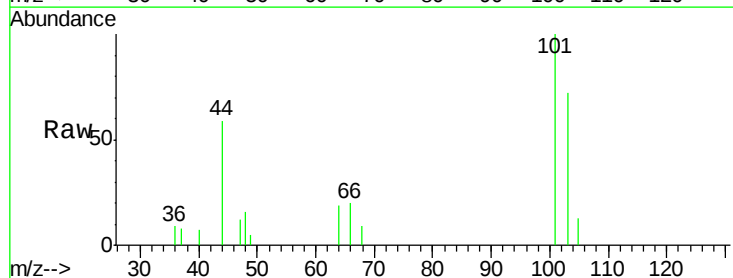
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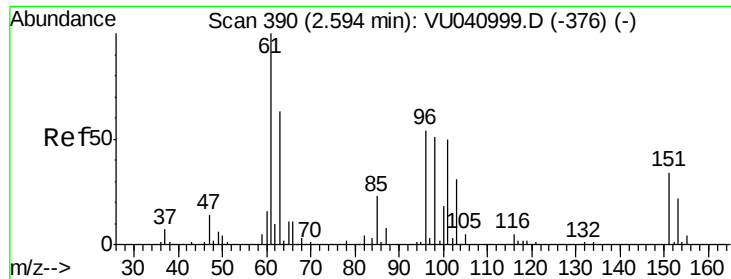
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 10/29/2020 11:07:19 AM



#9
 Trichlorofluoromethane
 Concen: 0.239 ug/L
 RT: 2.15 min Scan# 251
 Delta R.T. -0.00 min
 Lab File: VU041005.D
 Acq: 28 Oct 2020 20:25

Tgt Ion: 101 Resp: 3380
 Ion Ratio Lower Upper
 101 100
 103 72.0 51.0 76.4





#10

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

Concen: 0.289 ug/L

RT: 2.60 min Scan# 391

Delta R.T. 0.00 min

Lab File: VU041005.D

Acq: 28 Oct 2020 20:25

Instrument :

MSVOA_U

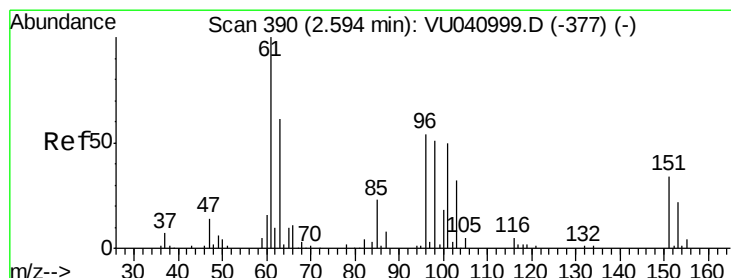
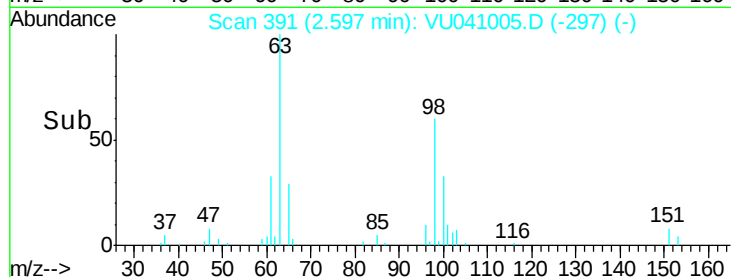
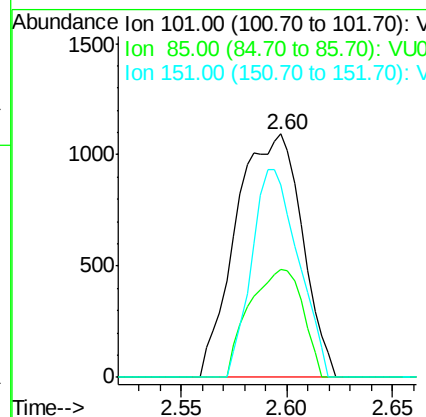
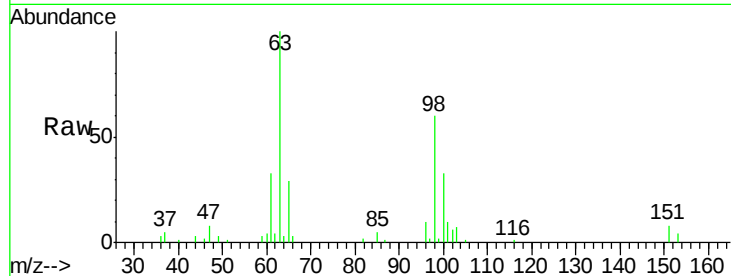
ClientSampleId :

MDL-WATER-04

Tot Ion:	101	Resp:	2374
Ion Ratio	Lower	Upper	
101	100		
85	35.9	38.1	57.1#
151	60.6	56.0	84.0

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#12

1,1-Dichloroethene

Concen: 0.299 ug/L

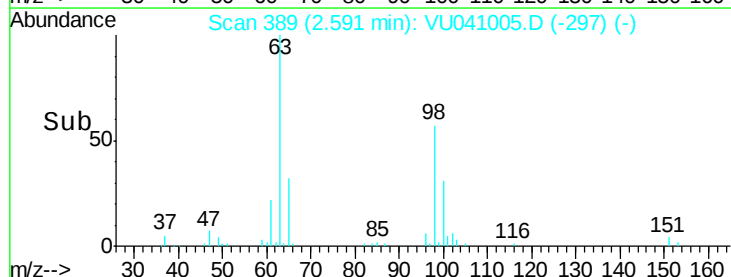
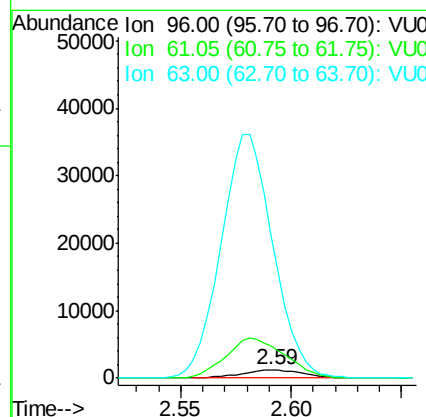
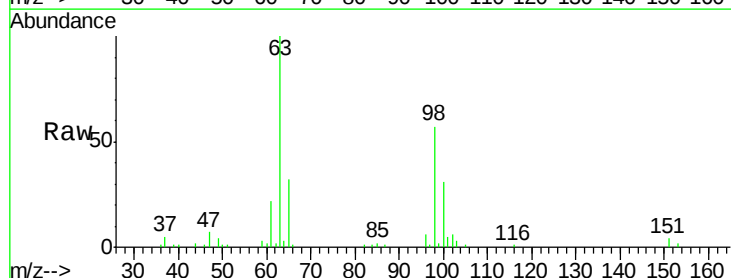
RT: 2.59 min Scan# 389

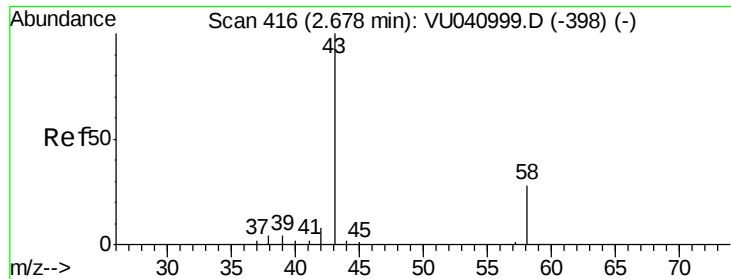
Delta R.T. -0.00 min

Lab File: VU041005.D

Acq: 28 Oct 2020 20:25

Tgt Ion:	96	Resp:	2337
Ion Ratio	Lower	Upper	
96	100		
61	367.3	130.2	241.8#
63	1664.5	83.7	155.5#





#13

Acetone

Concen: 2.202 ug/L m

RT: 2.68 min Scan# 418

Delta R.T. 0.01 min

Lab File: VU041005.D

Acq: 28 Oct 2020 20:25

Instrument :

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MDL-WATER-04

Tot Ion: 43 Resp: 4469

Ion Ratio Lower Upper

43 100

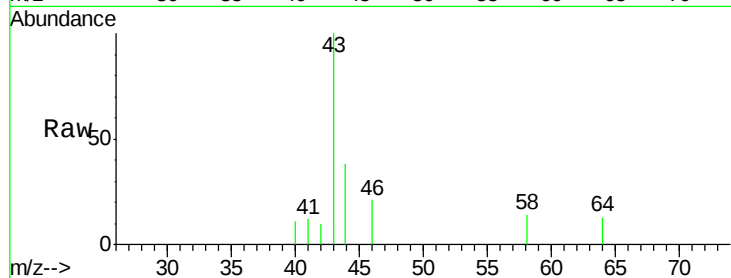
58 6.2 0.0 30.8

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Abundance Ion 43.05 (42.75 to 43.75): VU041005.D (-323) (-)

Ion 58.05 (57.75 to 58.75): VU041005.D (-323) (-)

2.68

1200

1000

800

600

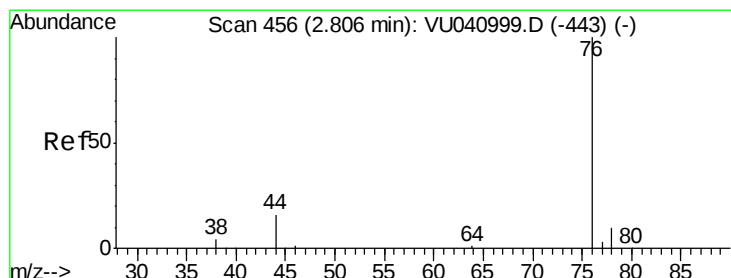
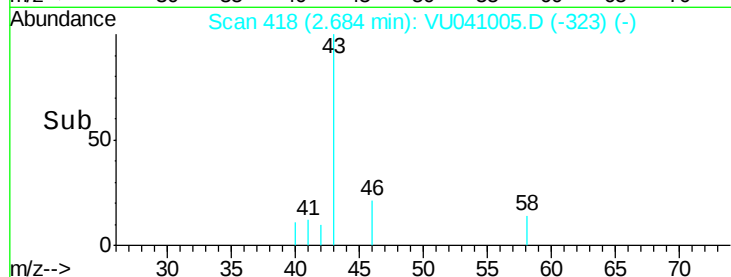
400

200

0

Time-->

2.60 2.65 2.70 2.75



#14

Carbon disulfide

Concen: 0.285 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041005.D

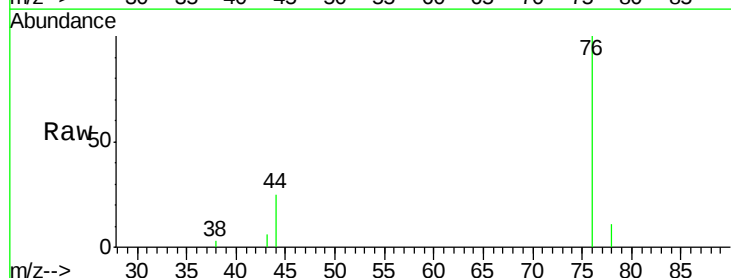
Acq: 28 Oct 2020 20:25

Tgt Ion: 76 Resp: 7096

Ion Ratio Lower Upper

76 100

78 10.7 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VU041005.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU041005.D (-363) (-)

2.81

4000

3000

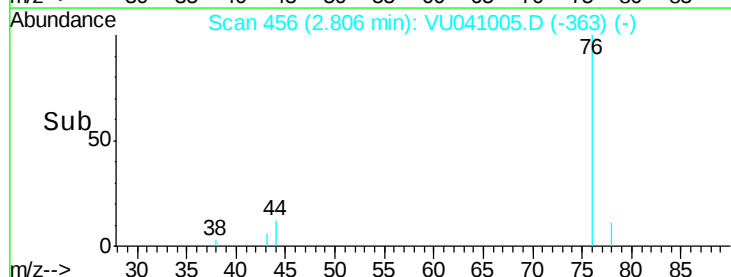
2000

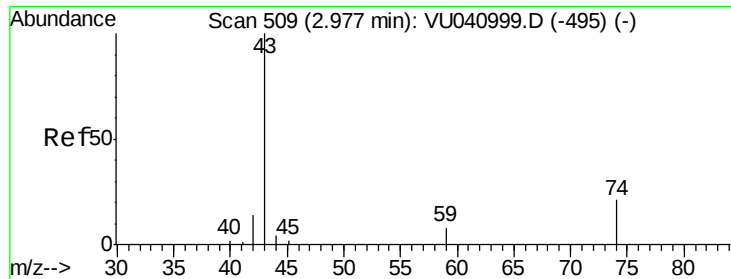
1000

0

Time-->

2.75 2.80 2.85





#15

Methvl Acetate

Concen: 0.288 ug/L

RT: 2.98 min Scan# 511

Delta R.T. 0.01 min

Lab File: VU041005.D

Acq: 28 Oct 2020 20:25

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-04

Tot Ion: 43 Resp: 1370

Ion Ratio Lower Upper

43 100

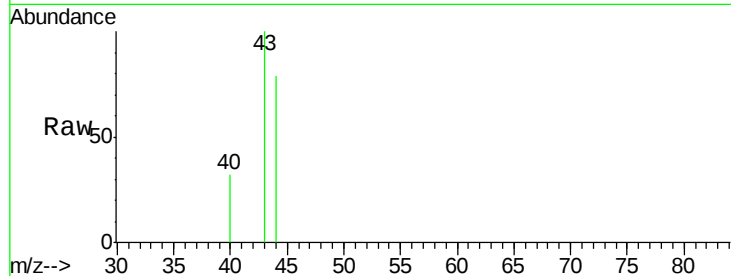
74 0.0 15.6 23.4#

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Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

2.98

500

400

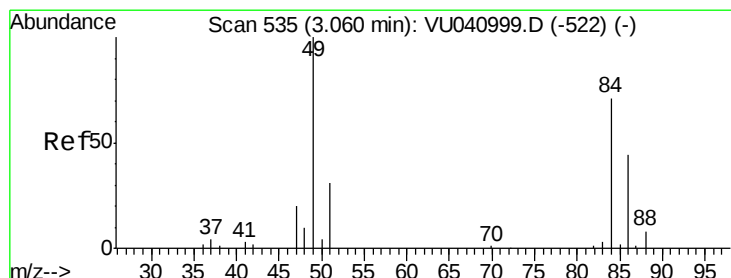
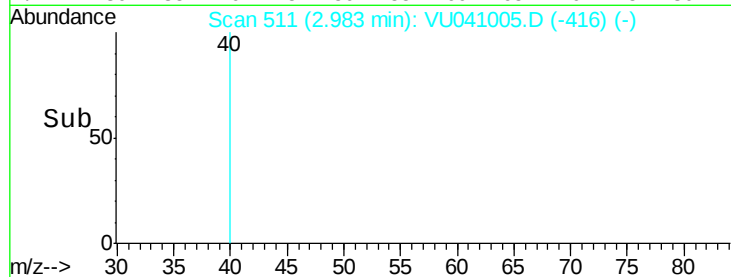
300

200

100

0

Time--> 2.90 2.95 3.00 3.05



#16

Methylene chloride

Concen: 0.387 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041005.D

Acq: 28 Oct 2020 20:25

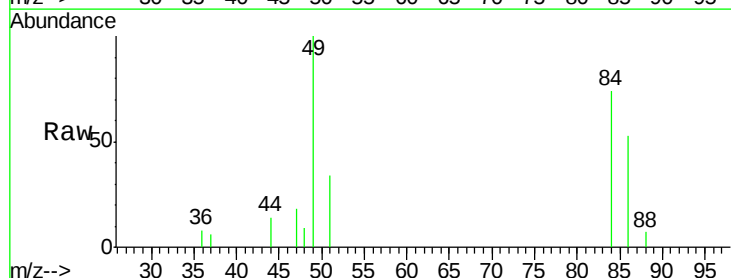
Tgt Ion: 84 Resp: 3612

Ion Ratio Lower Upper

84 100

86 71.3 44.2 82.0

49 134.9 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

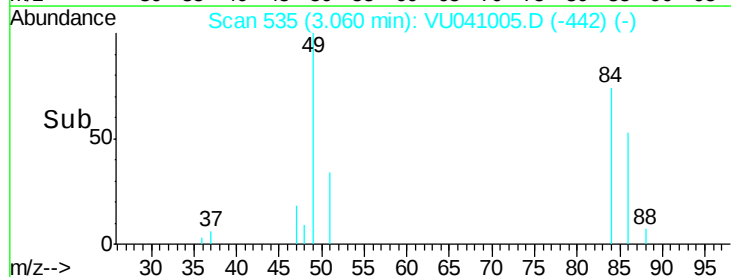
1500

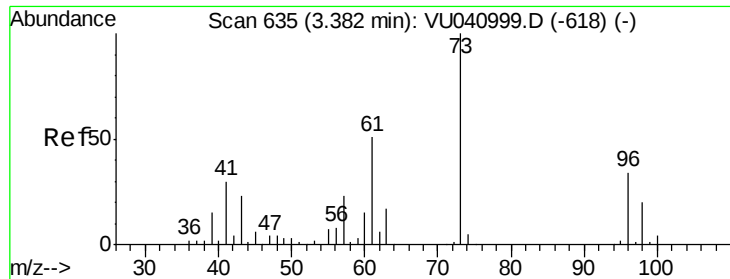
1000

500

0

Time--> 3.00 3.05 3.10





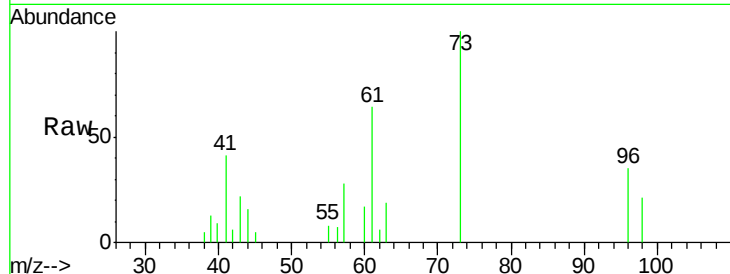
#17
Methvl tert-butvl Ether
Concen: 0.247 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU041005.D
Acq: 28 Oct 2020 20:25

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-04

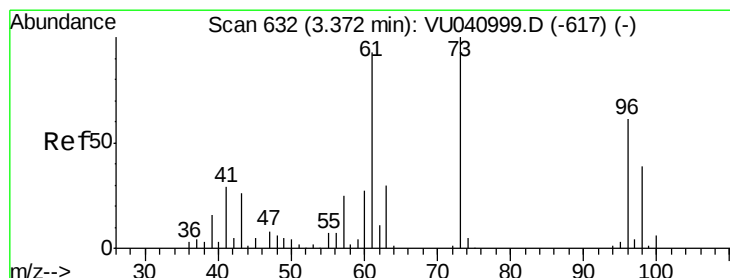
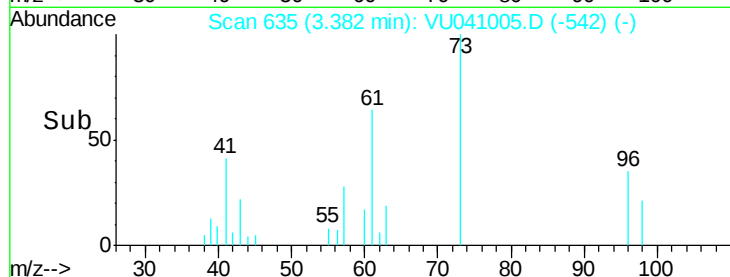
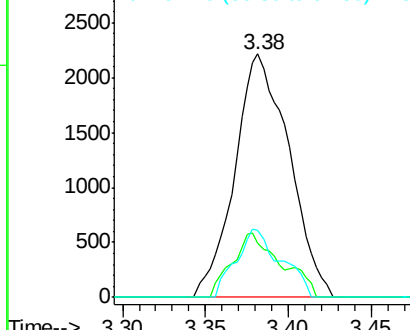
Tot Ion	Ratio	Lower	Upper
73	100		
43	23.8	19.5	29.3
57	23.1	18.9	28.3

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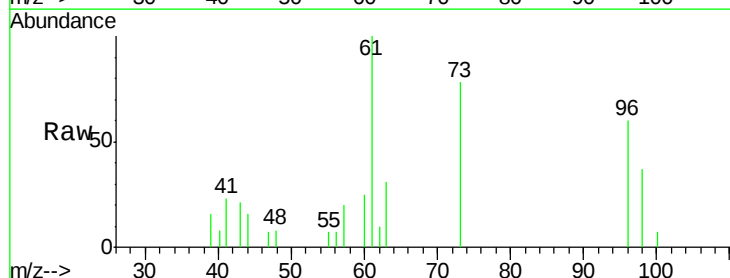


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

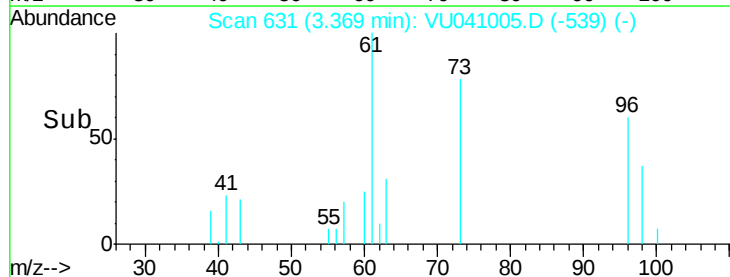
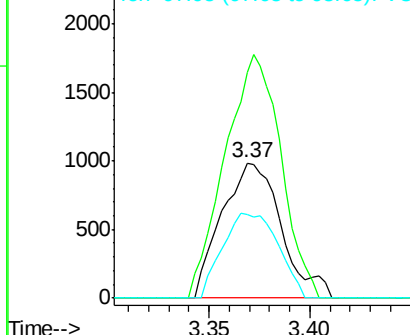


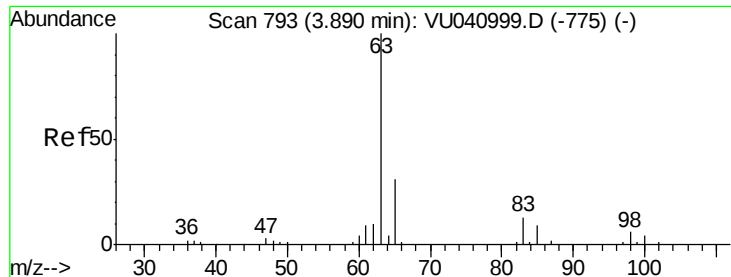
#18
trans-1,2-Dichloroethene
Concen: 0.255 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU041005.D
Acq: 28 Oct 2020 20:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.8	107.2	199.0
98	61.7	44.6	82.8



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





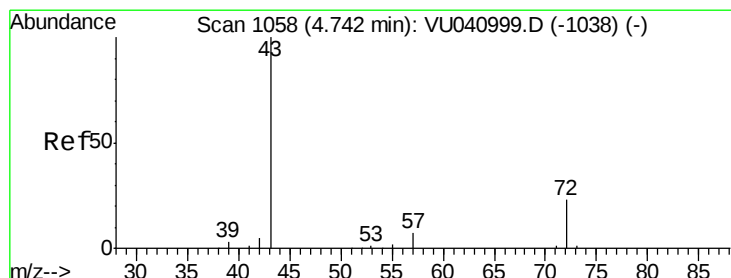
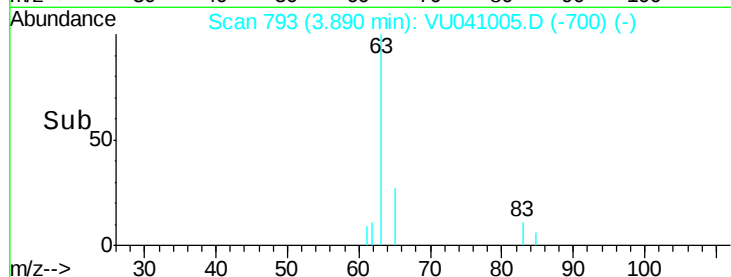
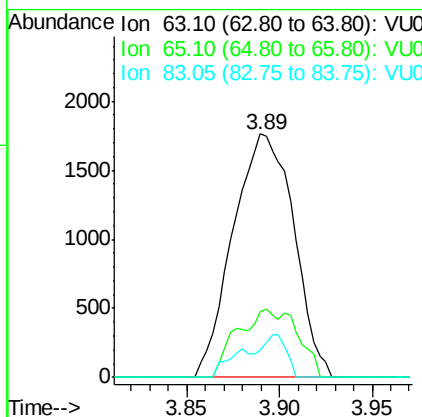
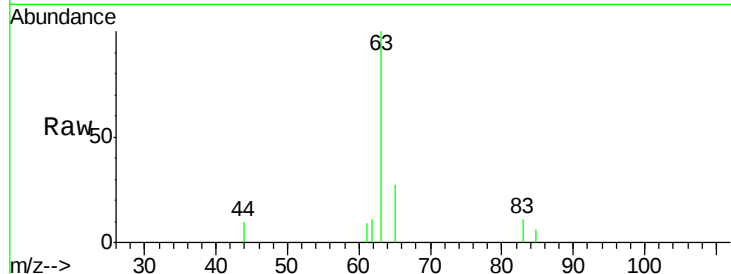
#19
 1,1-Dichloroethane
 Concen: 0.244 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU041005.D
 Acq: 28 Oct 2020 20:25

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-04

Tot Ion	Ratio	Lower	Upper
63	100		
65	26.8	21.8	40.4
83	11.3	9.3	17.3

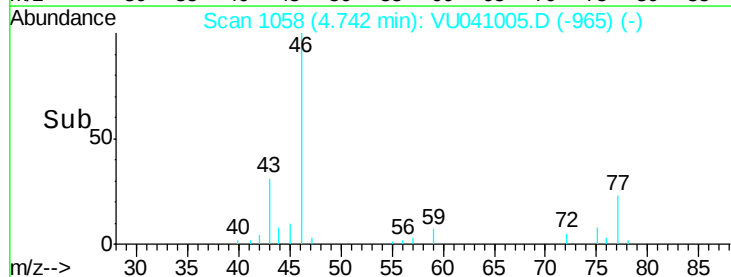
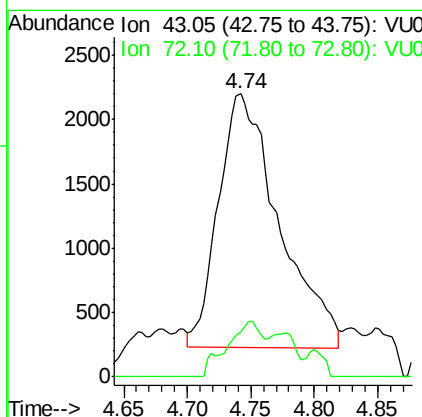
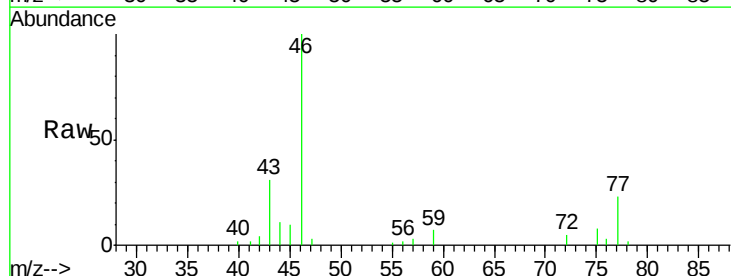
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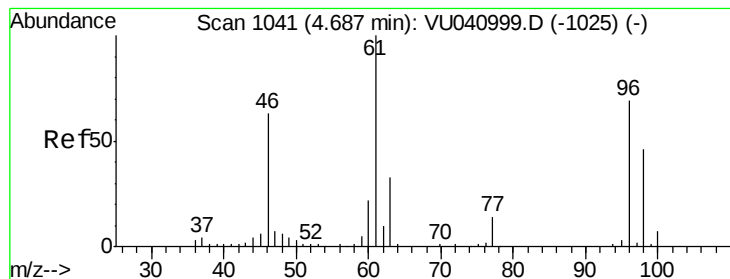
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#21
 2-Butanone
 Concen: 1.981 ug/L m
 RT: 4.74 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VU041005.D
 Acq: 28 Oct 2020 20:25

Tgt Ion	Ratio	Lower	Upper
43	100		
72	12.7	11.6	34.7





#22

cis-1,2-Dichloroethene

Concen: 0.251 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU041005.D

Acq: 28 Oct 2020 20:25

Instrument :

MSVOA_U

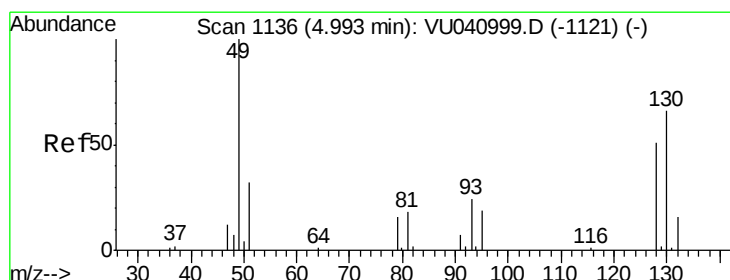
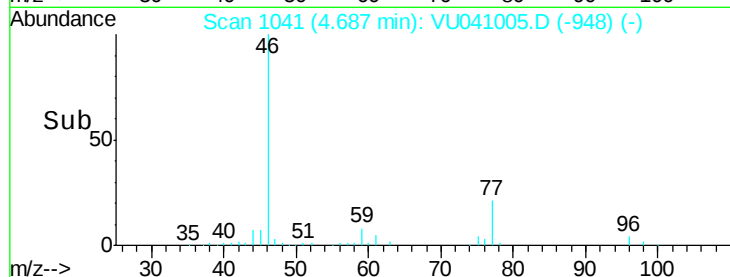
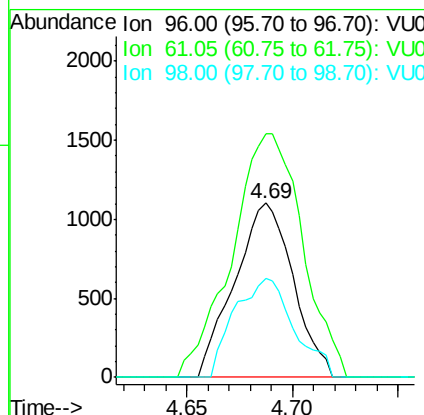
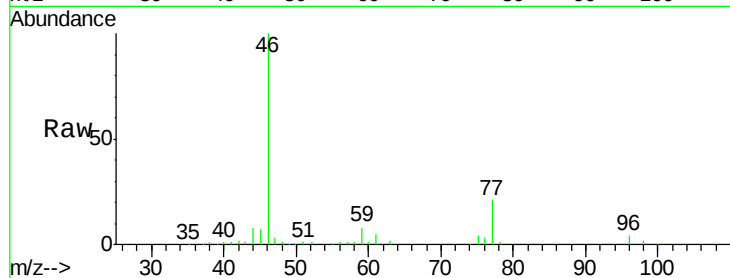
ClientSampleId :

MDL-WATER-04

Tot Ion:	96	Resp:	2124
Ion	Ratio	Lower	Upper
96	100		
61	139.8	101.7	188.9
98	57.2	46.4	86.2

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#23

Bromochloromethane

Concen: 0.246 ug/L

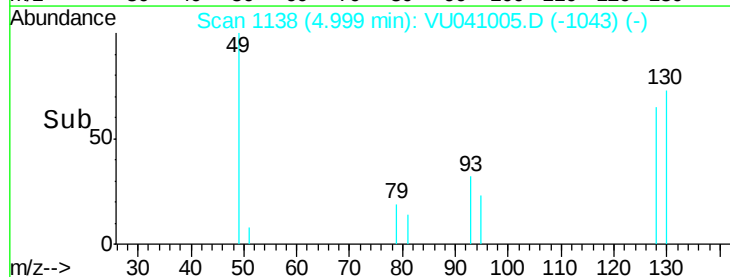
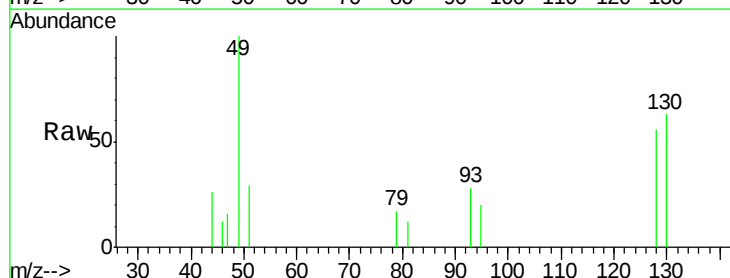
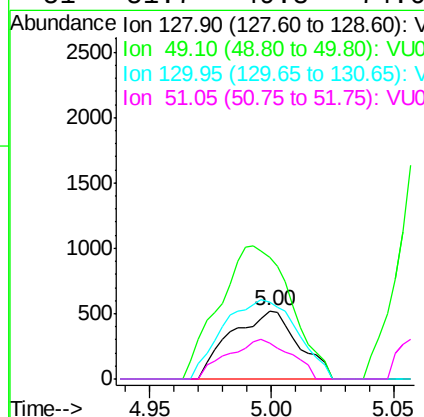
RT: 5.00 min Scan# 1138

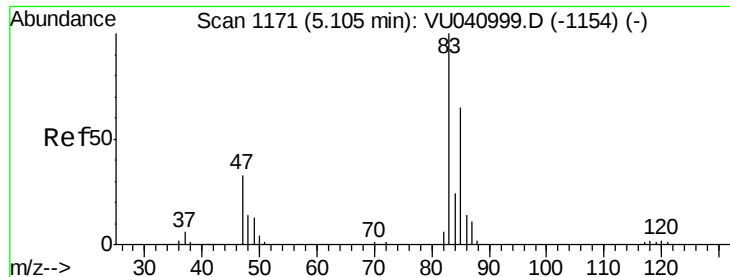
Delta R.T. 0.01 min

Lab File: VU041005.D

Acq: 28 Oct 2020 20:25

Tgt Ion:	128	Resp:	992
Ion	Ratio	Lower	Upper
128	100		
49	177.4	137.5	255.4
130	112.3	90.2	167.4
51	51.7	49.8	74.6





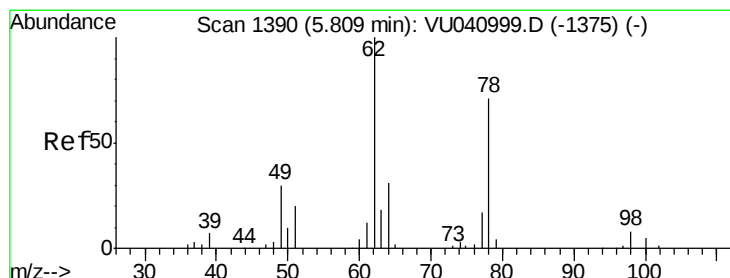
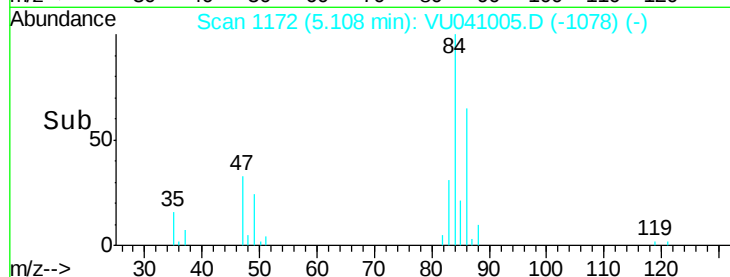
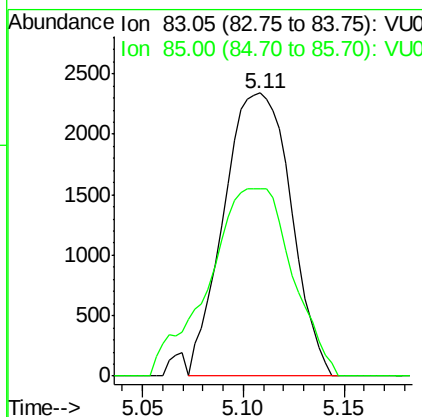
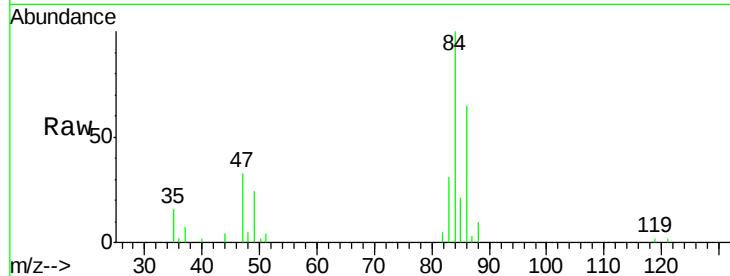
#25
Chloroform
Concen: 0.324 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU041005.D
Acq: 28 Oct 2020 20:25

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-04

Tot Ion: 83 Resp: 5435
Ion Ratio Lower Upper
83 100
85 66.2 45.5 84.5

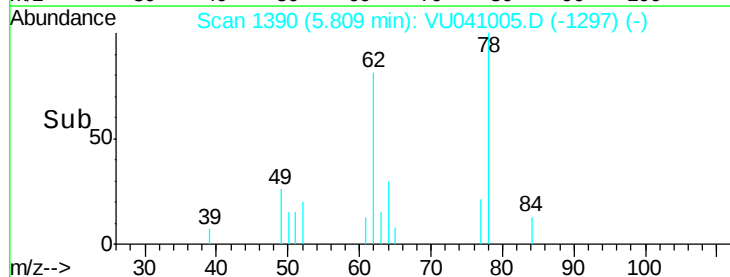
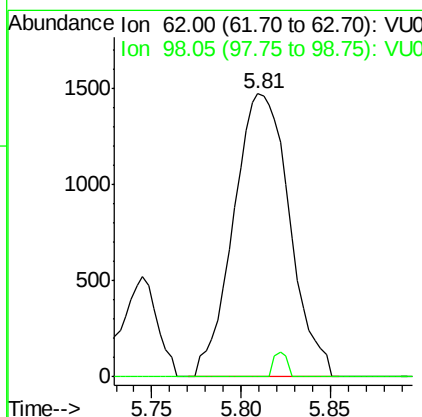
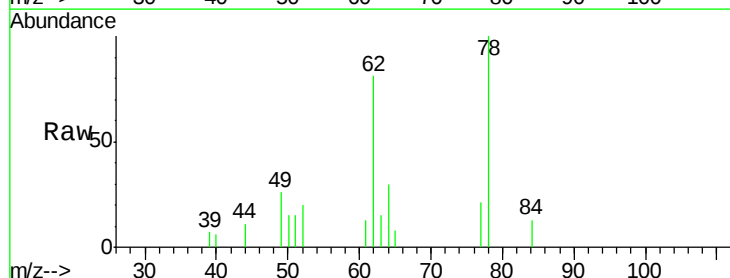
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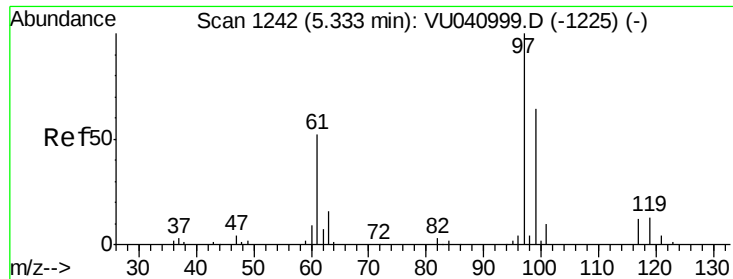
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#27
1,2-Dichloroethane
Concen: 0.263 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041005.D
Acq: 28 Oct 2020 20:25

Tgt Ion: 62 Resp: 3224
Ion Ratio Lower Upper
62 100
98 0.0 6.1 9.1#





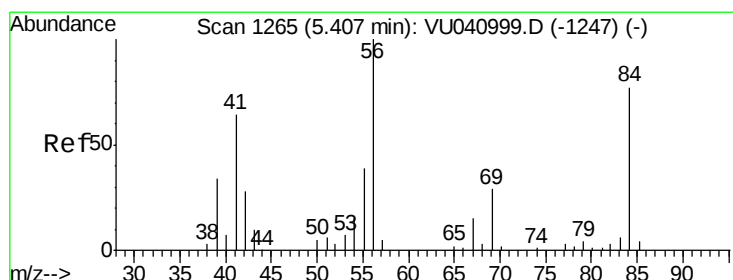
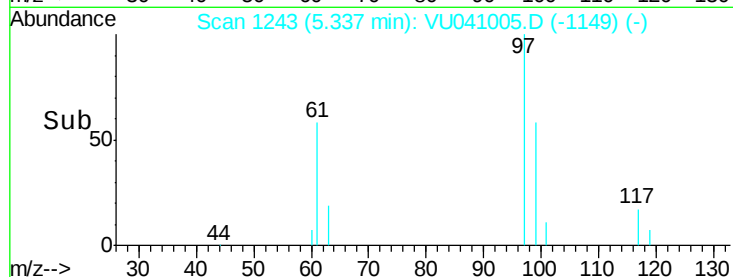
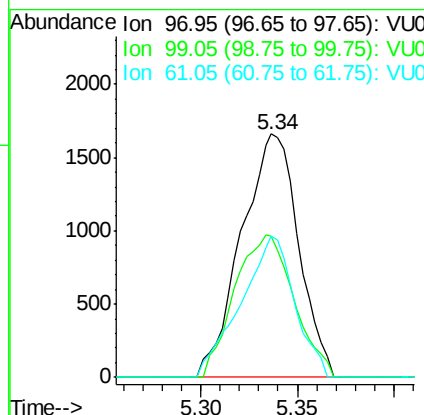
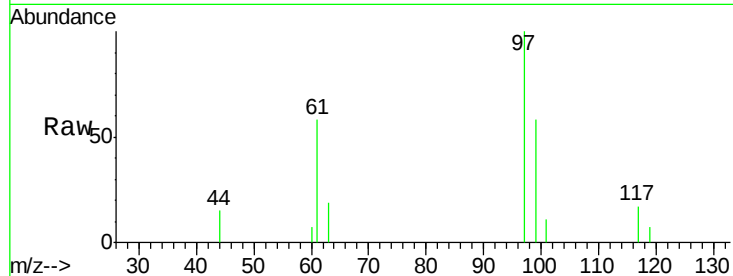
#29
1,1,1-Trichloroethane
Concen: 0.236 ug/L
RT: 5.34 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VU041005.D
Acq: 28 Oct 2020 20:25

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-04

Tot Ion	Ratio	Lower	Upper
97	100		
99	60.8	50.2	75.2
61	54.8	39.6	59.4

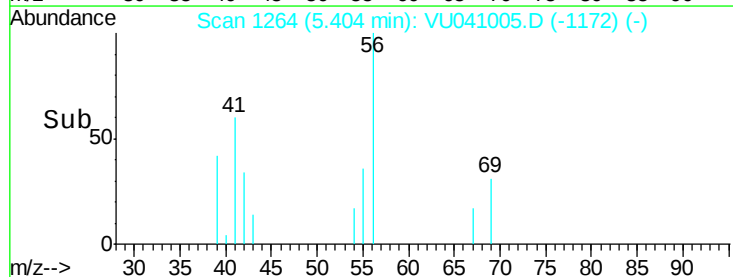
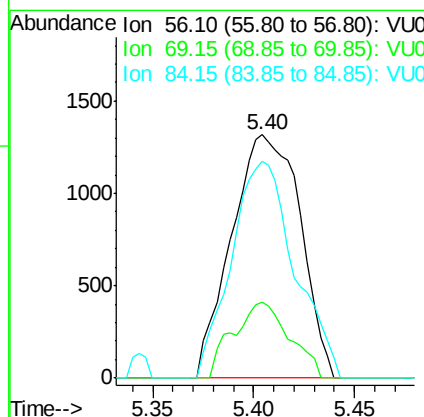
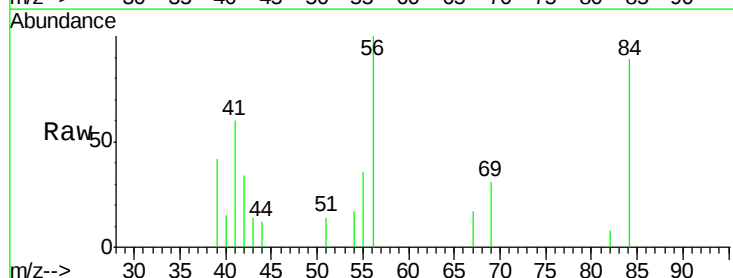
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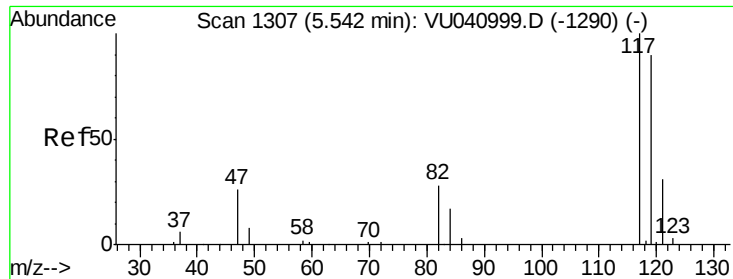
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#30
Cyclohexane
Concen: 0.234 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VU041005.D
Acq: 28 Oct 2020 20:25

Tgt Ion	Ratio	Lower	Upper
56	100		
69	25.7	23.2	34.8
84	82.1	62.9	94.3





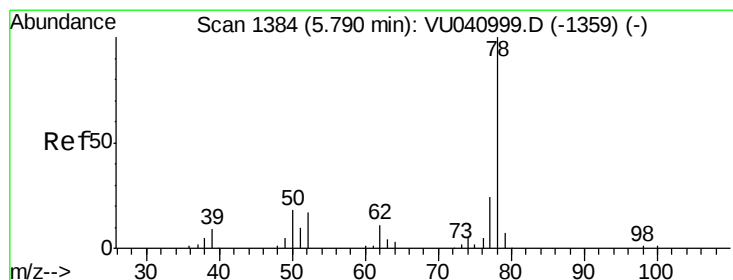
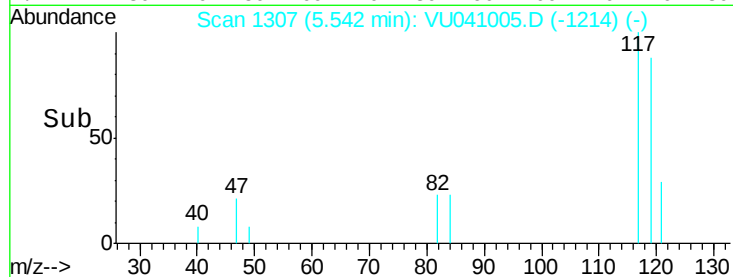
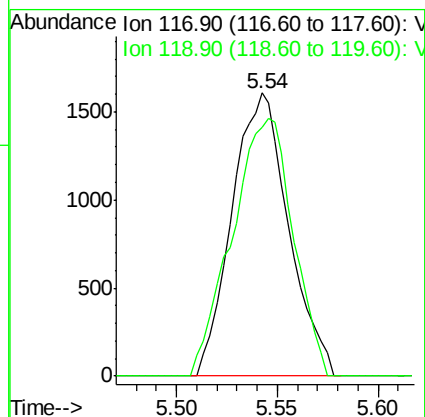
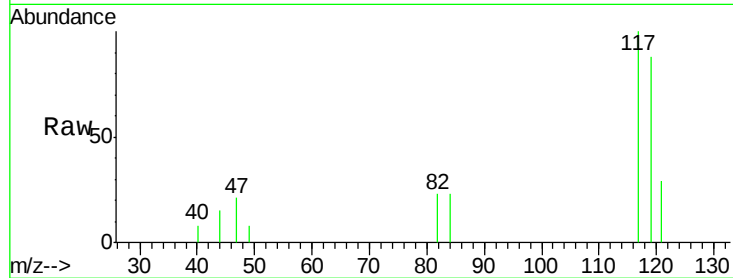
#31
Carbon tetrachloride
Concen: 0.256 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. 0.00 min
Lab File: VU041005.D
Acq: 28 Oct 2020 20:25

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-04

Tot Ion:117 Resp: 3148
Ion Ratio Lower Upper
117 100
119 97.9 74.4 111.6

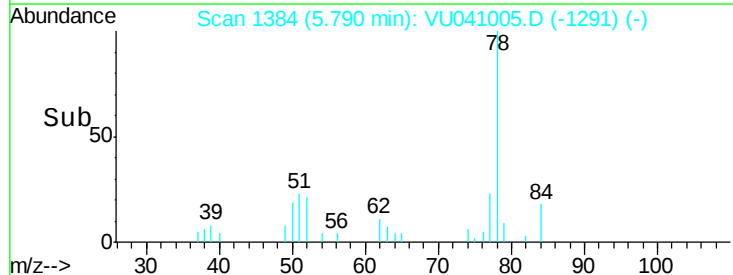
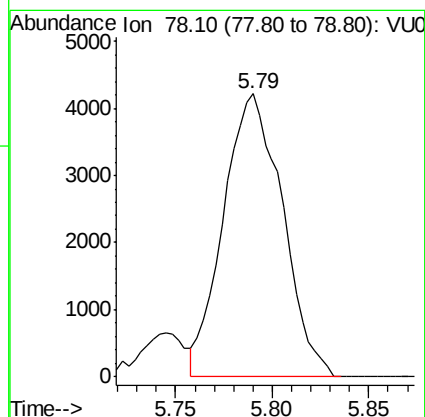
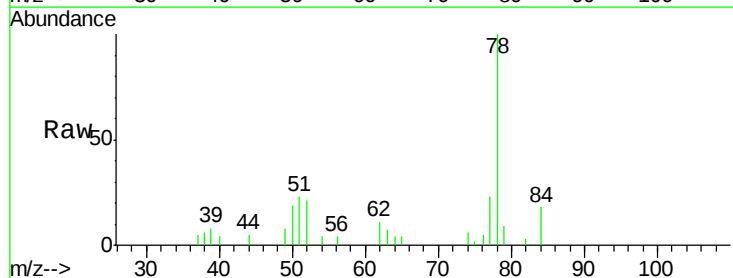
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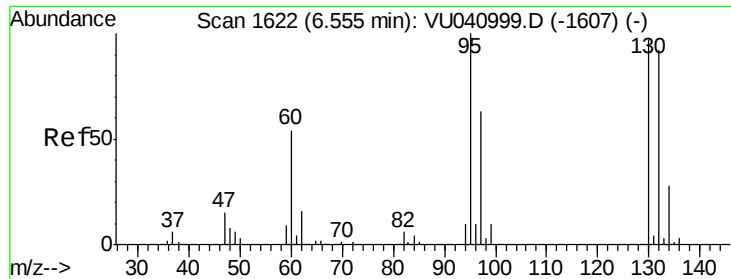
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#33
Benzene
Concen: 0.265 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU041005.D
Acq: 28 Oct 2020 20:25

Tgt Ion: 78 Resp: 8928





#34

Trichloroethene

Concen: 0.236 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU041005.D

Acq: 28 Oct 2020 20:25

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-04

Tot Ion: 95 Resp: 2122

Ion Ratio Lower Upper

95 100

97 64.2 43.8 81.4

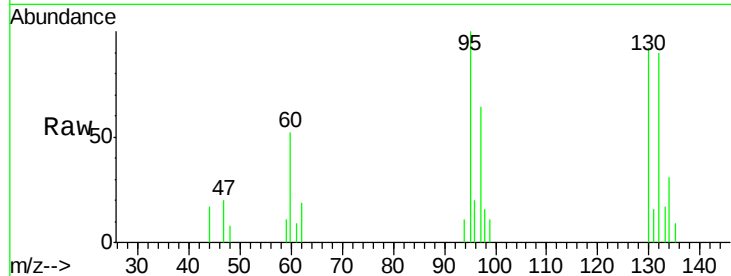
132 89.8 64.5 119.7

130 92.4 67.6 125.6

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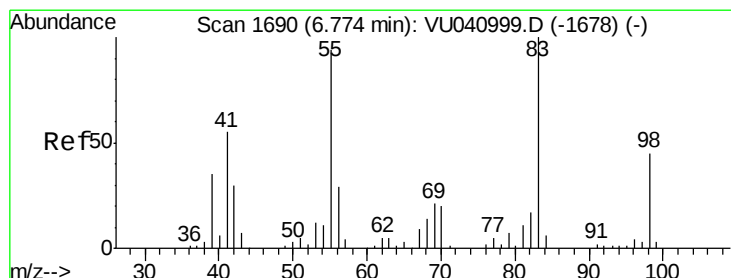
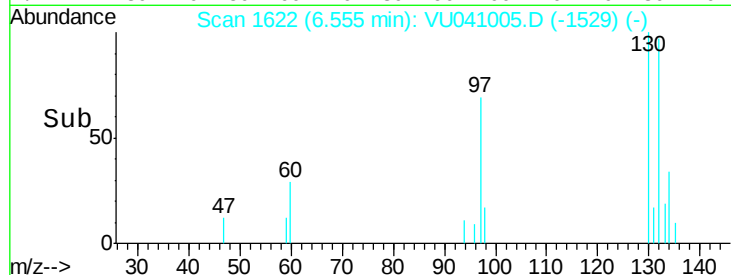
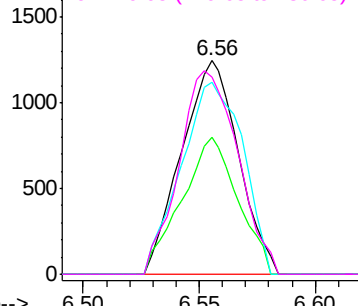


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.239 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU041005.D

Acq: 28 Oct 2020 20:25

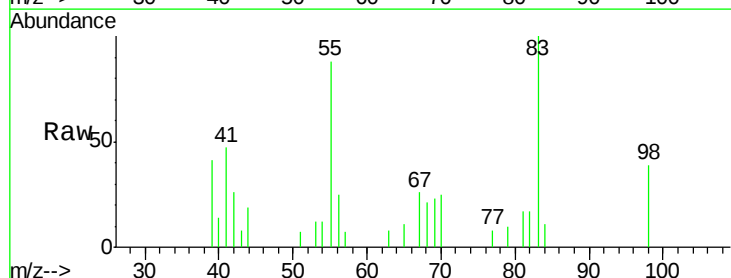
Tgt Ion: 83 Resp: 2989

Ion Ratio Lower Upper

83 100

55 91.1 72.7 109.1

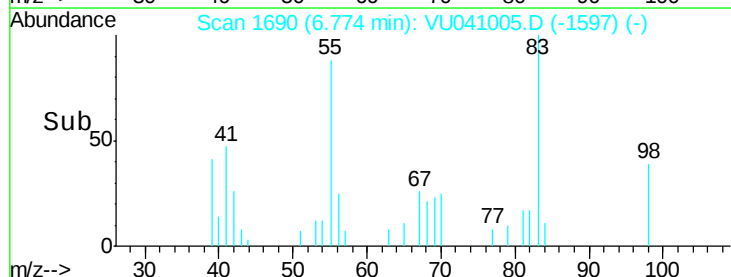
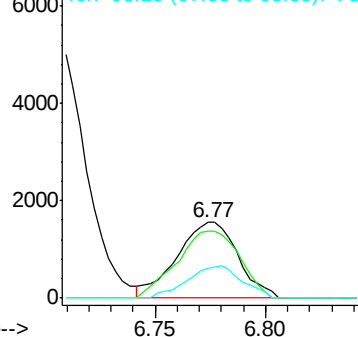
98 38.1 35.7 53.5

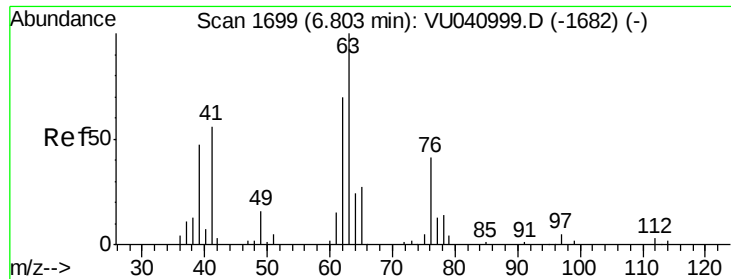


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





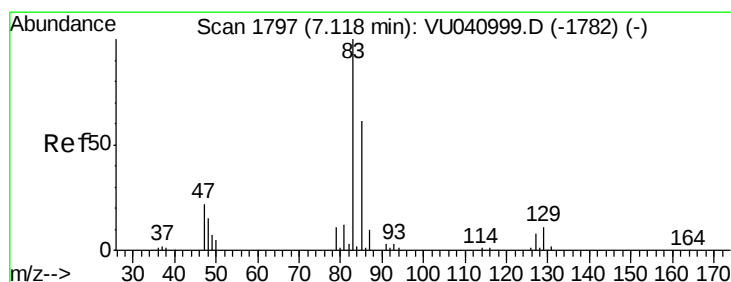
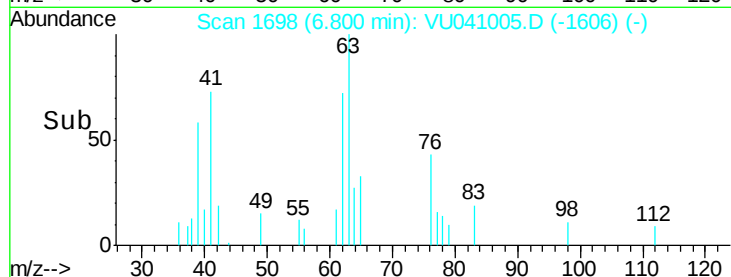
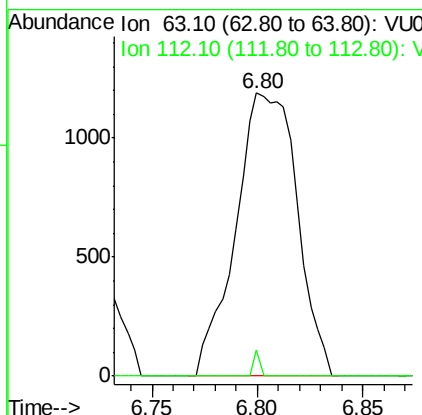
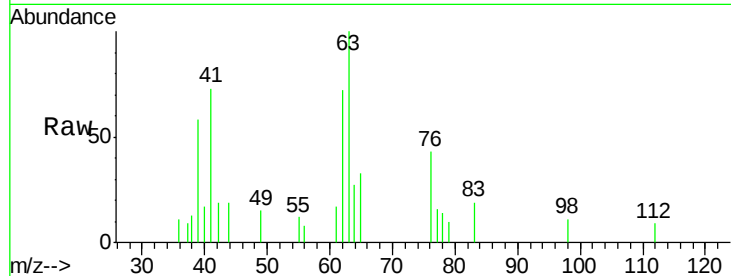
#37
 1,2-Dichloropropane
 Concen: 0.251 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU041005.D
 Acq: 28 Oct 2020 20:25

Instrument :
 MSVOA_U
 ClientSampleID :
 MDL-WATER-04

Tot Ion: 63 Resp: 2406
 Ion Ratio Lower Upper
 63 100
 112 0.9 3.0 4.4#

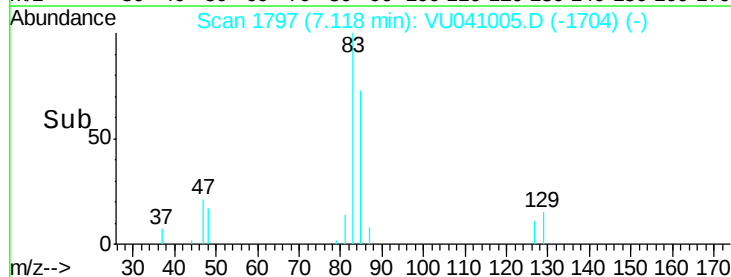
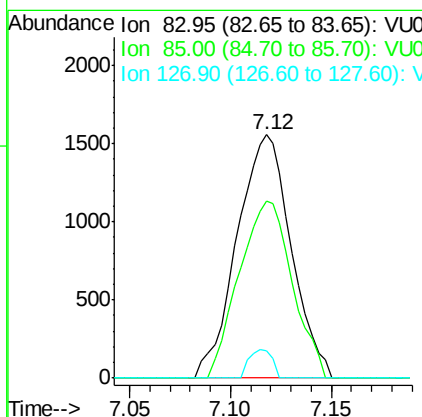
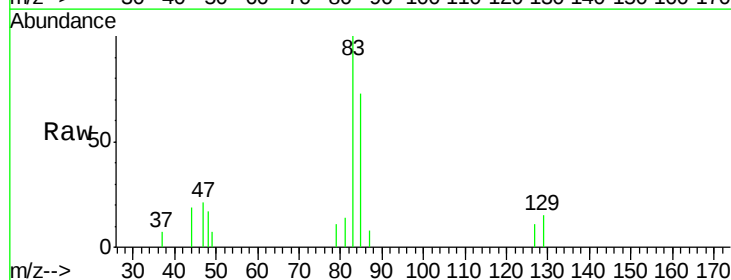
Manual Integrations
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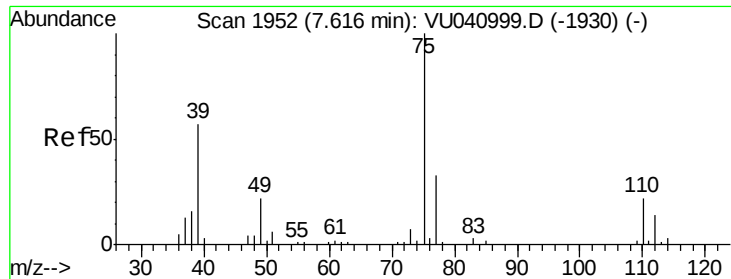
MMDadoda
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#38
 Bromodichloromethane
 Concen: 0.244 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU041005.D
 Acq: 28 Oct 2020 20:25

Tgt Ion: 83 Resp: 2912
 Ion Ratio Lower Upper
 83 100
 85 72.8 42.9 79.7
 127 11.0 6.2 9.2#





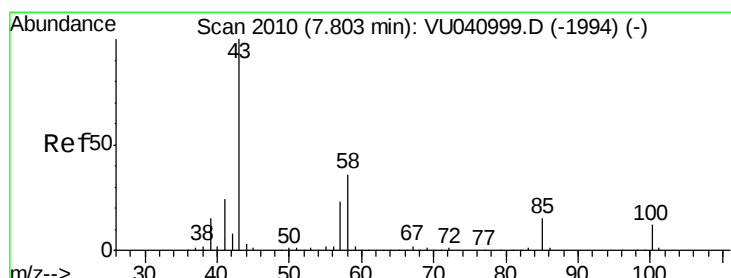
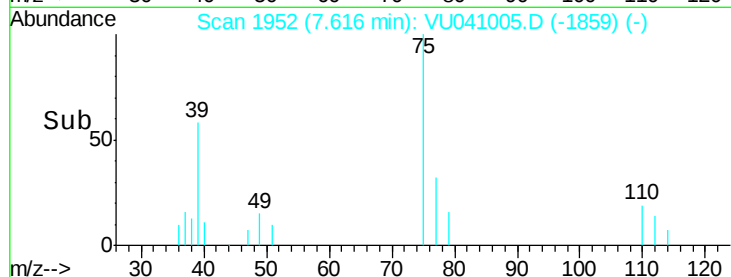
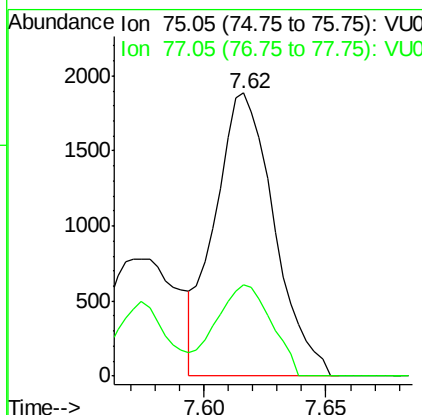
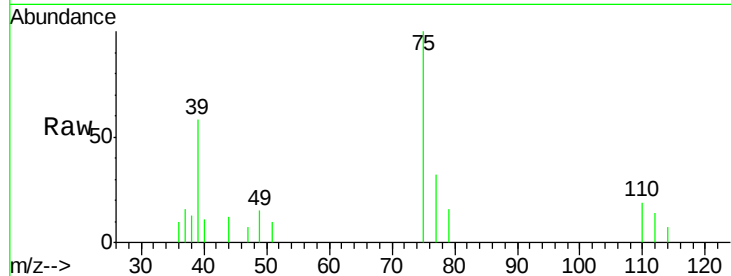
#39
 cis-1,3-Dichloropropene
 Concen: 0.252 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU041005.D
 Acq: 28 Oct 2020 20:25

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-04

Tot Ion: 75 Resp: 3194
 Ion Ratio Lower Upper
 75 100
 77 32.4 22.7 42.3

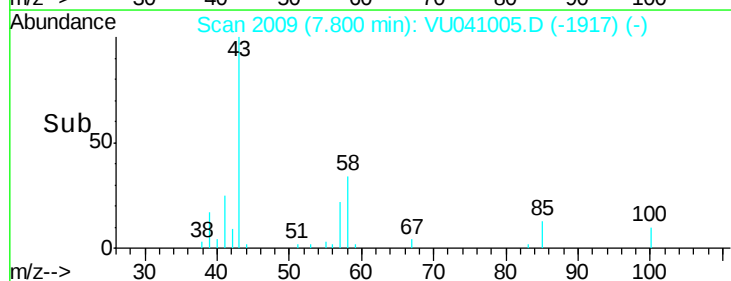
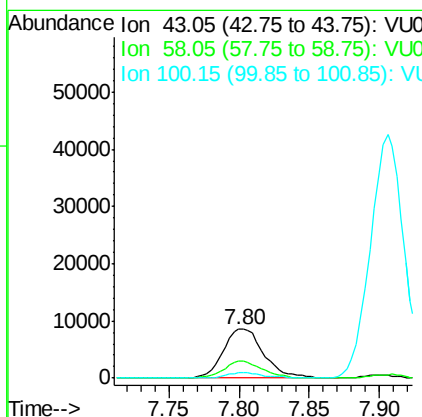
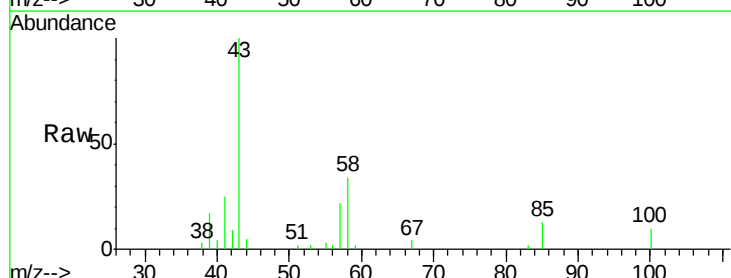
Manual Integrations
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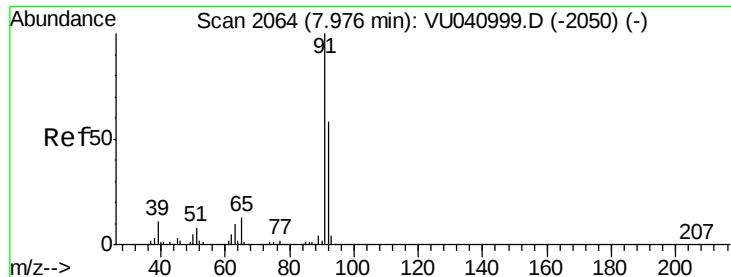
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#40
 4-Methyl-2-pentanone
 Concen: 2.384 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU041005.D
 Acq: 28 Oct 2020 20:25

Tgt Ion: 43 Resp: 17234
 Ion Ratio Lower Upper
 43 100
 58 32.8 28.6 43.0
 100 0.0 9.6 14.4#





#42

Toluene

Concen: 0.233 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041005.D

Acq: 28 Oct 2020 20:25

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-04

Tot Ion: 91 Resp: 7959

Ion Ratio Lower Upper

91 100

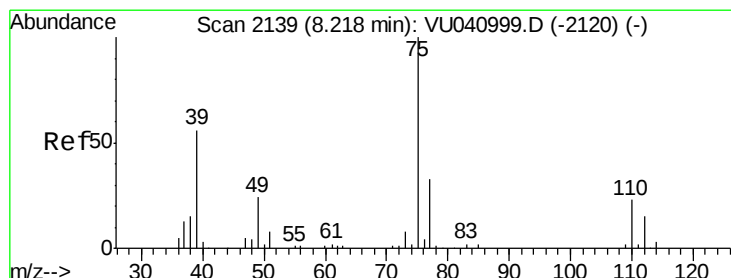
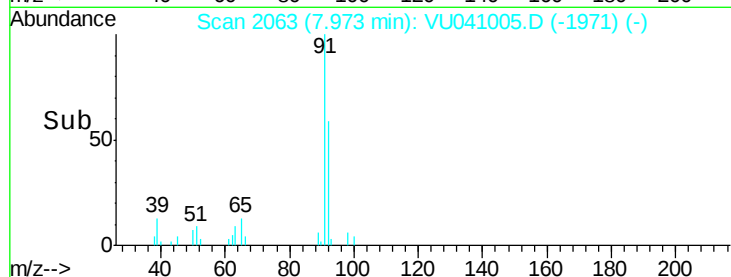
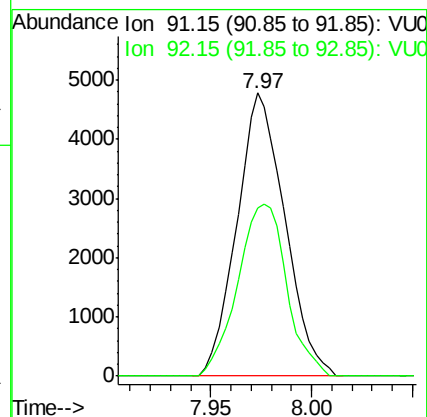
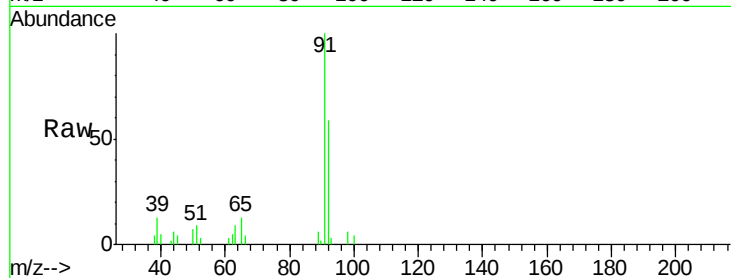
92 59.3 40.5 75.1

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#44

trans-1,3-Dichloropropene

Concen: 0.219 ug/L m

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU041005.D

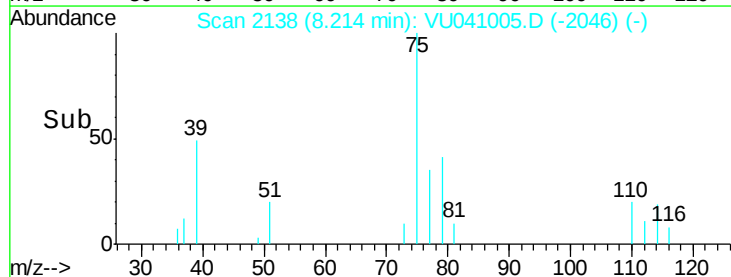
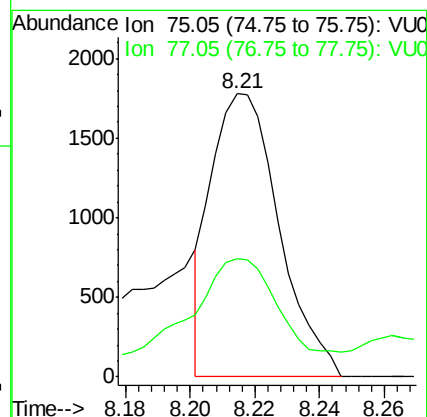
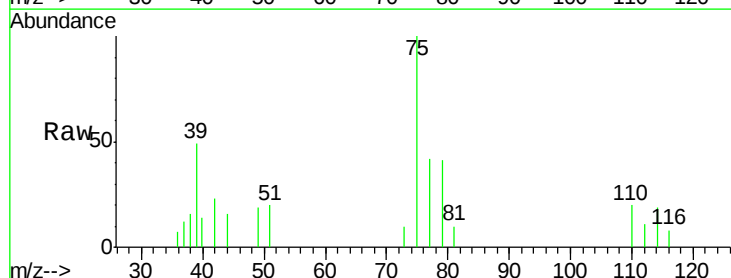
Acq: 28 Oct 2020 20:25

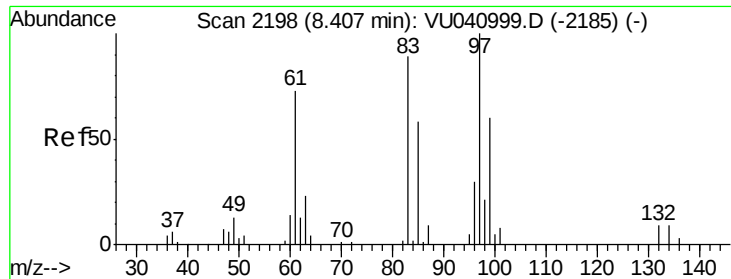
Tgt Ion: 75 Resp: 2586

Ion Ratio Lower Upper

75 100

77 41.7 23.0 42.6





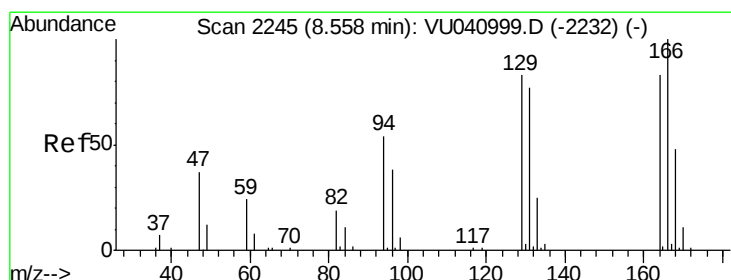
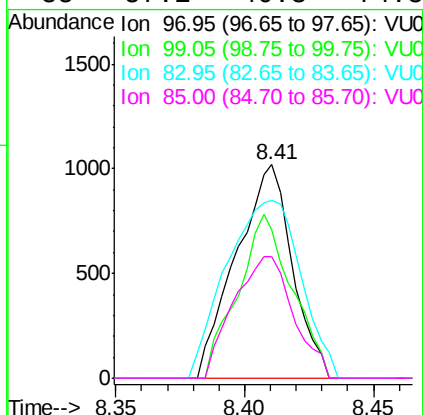
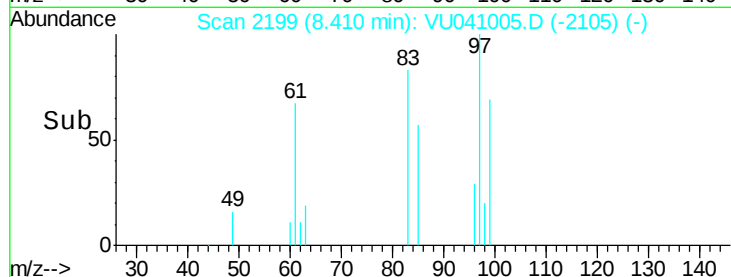
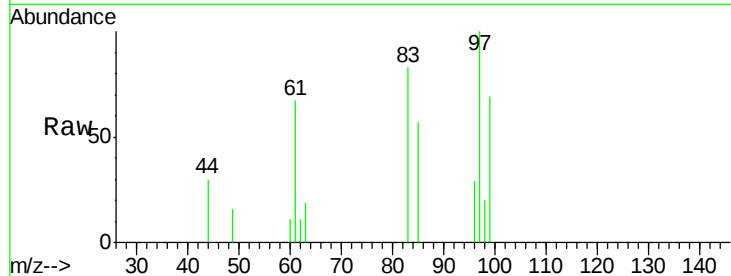
#45
1,1,2-Trichloroethane
Concen: 0.226 ug/L
RT: 8.41 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VU041005.D
Acq: 28 Oct 2020 20:25

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-04

Tot Ion:	97	Resp:	1544
Ion	Ratio	Lower	Upper
97	100		
99	69.3	41.8	77.6
83	83.4	62.2	115.6
85	57.1	40.3	74.8

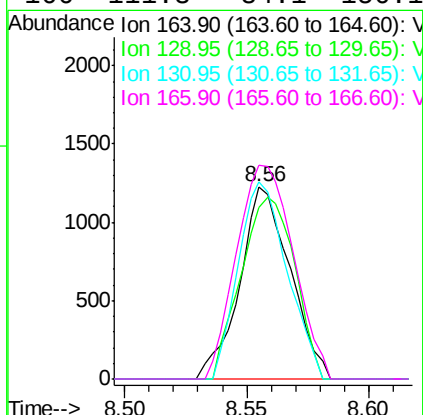
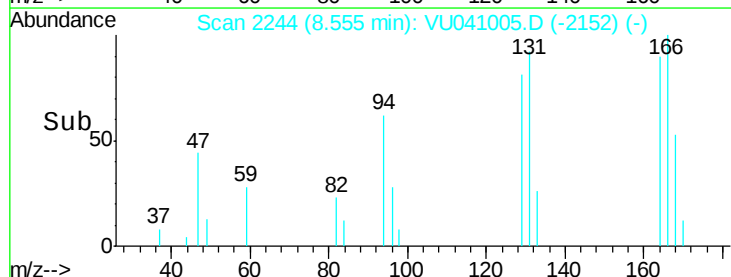
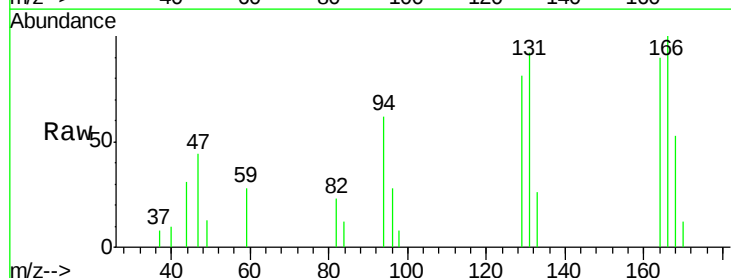
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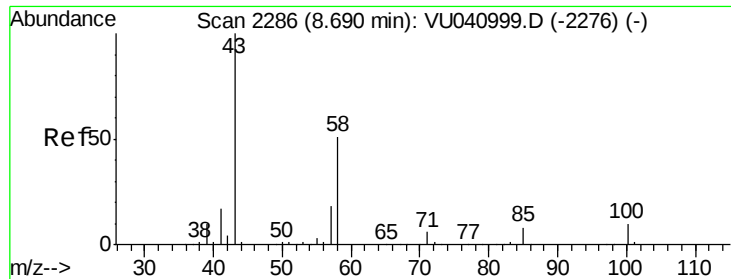
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#47
Tetrachloroethene
Concen: 0.282 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU041005.D
Acq: 28 Oct 2020 20:25

Tgt Ion:	164	Resp:	1752
Ion	Ratio	Lower	Upper
164	100		
129	89.6	69.9	129.7
131	102.4	65.0	120.6
166	111.3	84.1	156.1





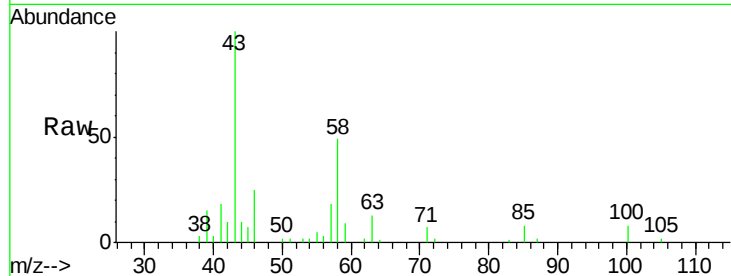
#48
2-Hexanone
Concen: 3.157 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU041005.D
Acq: 28 Oct 2020 20:25

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-04

Tot Ion	Ratio	Lower	Upper
43	100		
58	44.4	39.9	59.9
57	16.9	14.1	21.1
100	8.0	7.5	11.3

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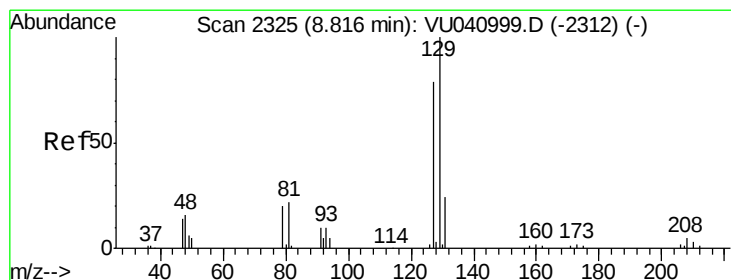
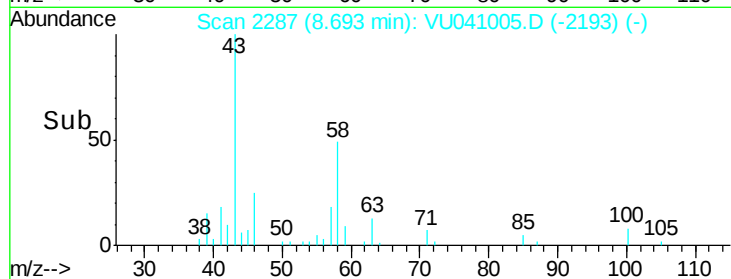
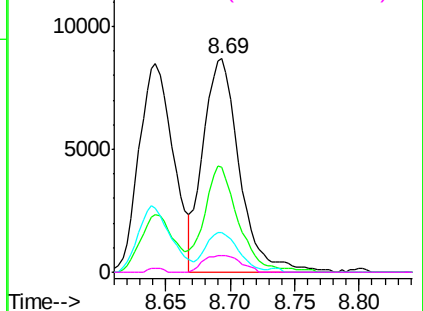


Abundance Ion 43.05 (42.75 to 43.75): VU040999.D (-2276) (-)

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

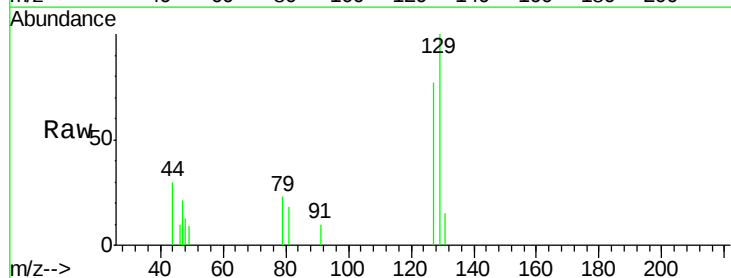
Ion 57.20 (56.90 to 57.90): VU040999.D (-2276) (-)

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



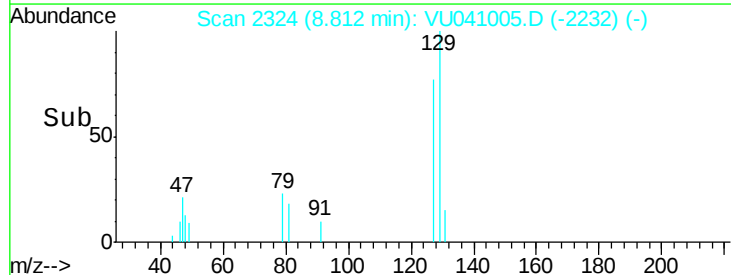
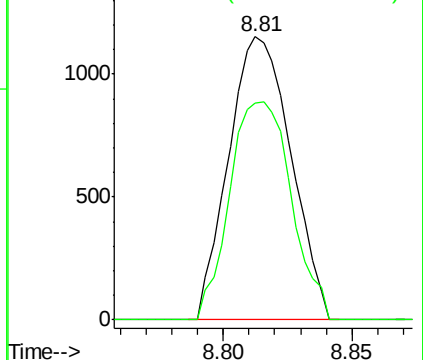
#49
Dibromochloromethane
Concen: 0.245 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU041005.D
Acq: 28 Oct 2020 20:25

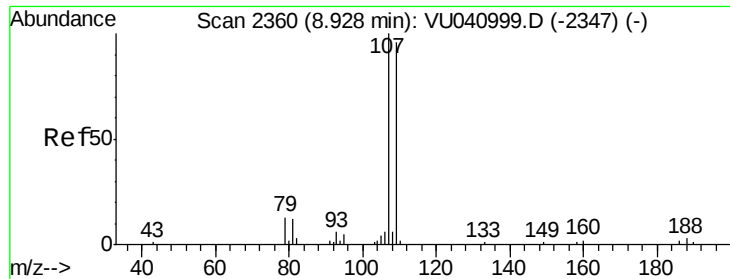
Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.7	55.3	102.7



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

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





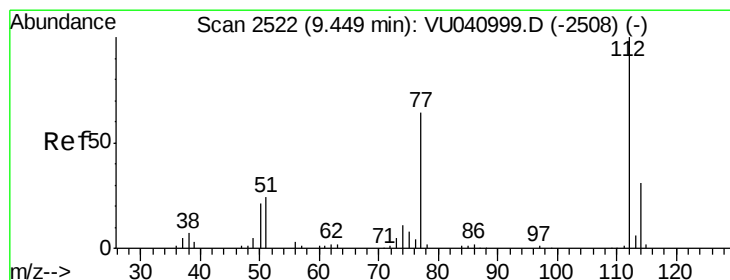
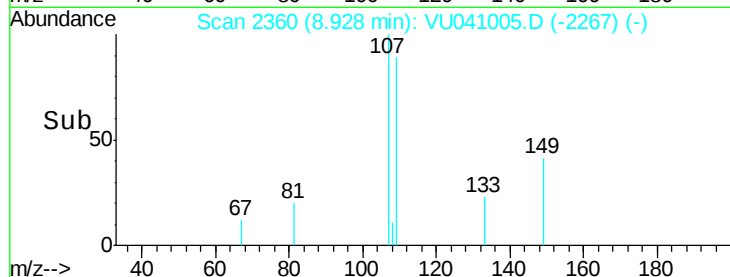
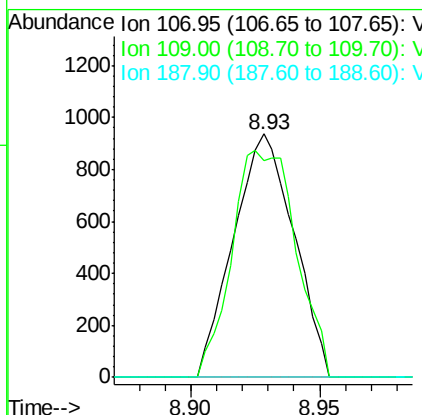
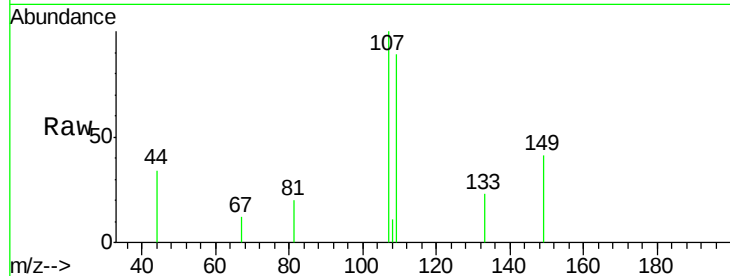
#50
1,2-Dibromoethane
Concen: 0.239 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU041005.D
Acq: 28 Oct 2020 20:25

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-04

Tot Ion	Ratio	Lower	Upper
107	100		
109	88.8	67.1	124.5
188	0.0	2.3	3.5#

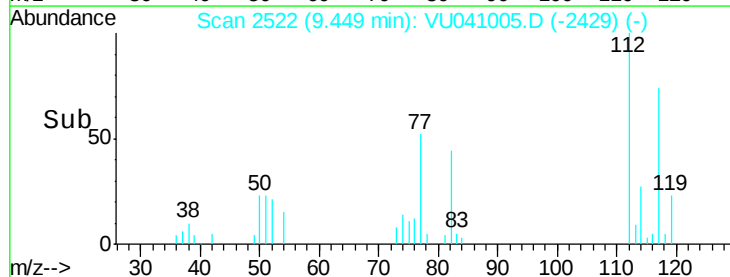
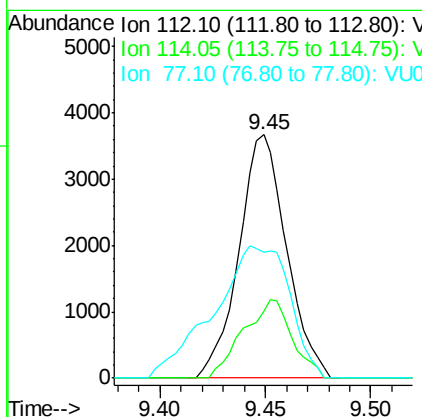
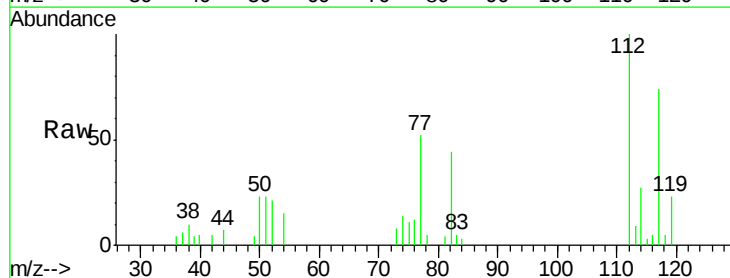
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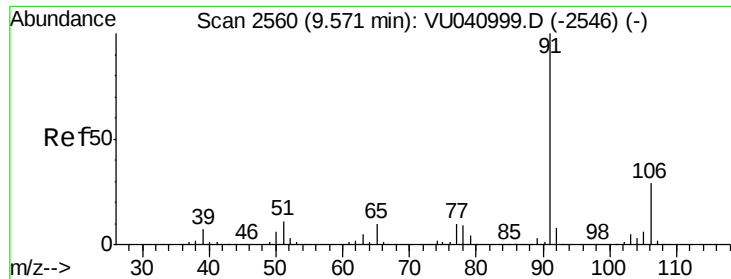
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#51
Chlorobenzene
Concen: 0.262 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU041005.D
Acq: 28 Oct 2020 20:25

Tgt Ion	Ratio	Lower	Upper
112	100		
114	27.4	21.9	40.7
77	51.8	51.4	77.2





#52

Ethylbenzene

Concen: 0.244 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041005.D

Acq: 28 Oct 2020 20:25

Tot Ion: 91 Resp: 8619

Ion Ratio Lower Upper

91 100

106 29.0 20.6 38.4

Instrument :

MSVOA_U

ClientSampleId :

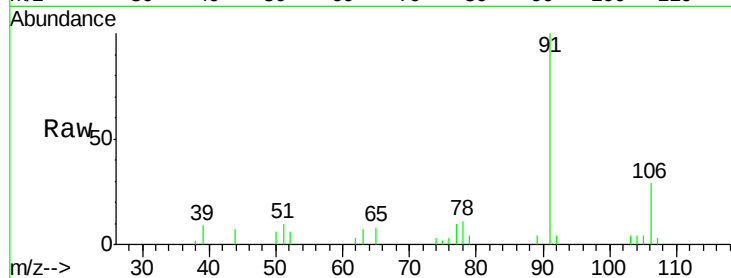
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Abundance Ion 91.15 (90.85 to 91.85): VU041005.D (-2546) (-)

Ion 106.15 (105.85 to 106.85): VU041005.D (-2546) (-)

9.57

6000

5000

4000

3000

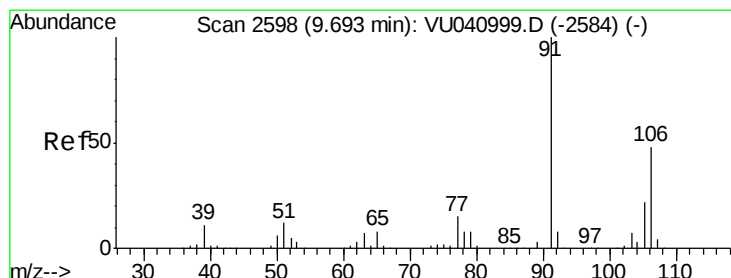
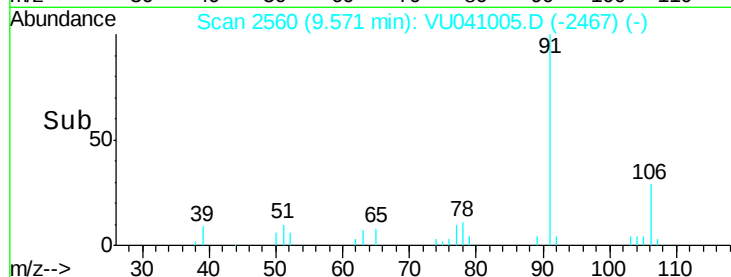
2000

1000

0

9.55 9.60

Time-->



#53

m,p-Xylene

Concen: 0.235 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041005.D

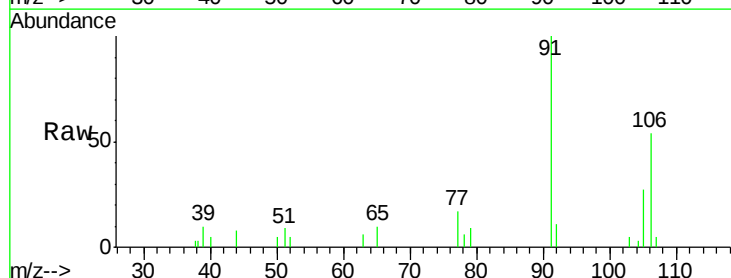
Acq: 28 Oct 2020 20:25

Tgt Ion: 106 Resp: 3014

Ion Ratio Lower Upper

106 100

91 185.4 147.6 274.0



Abundance Ion 106.15 (105.85 to 106.85): VU041005.D (-2584) (-)

Ion 91.15 (90.85 to 91.85): VU041005.D (-2584) (-)

9.69

4000

3000

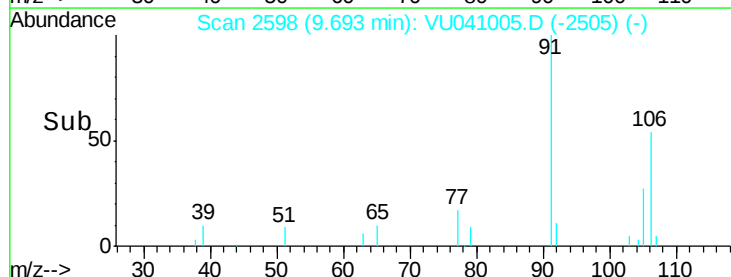
2000

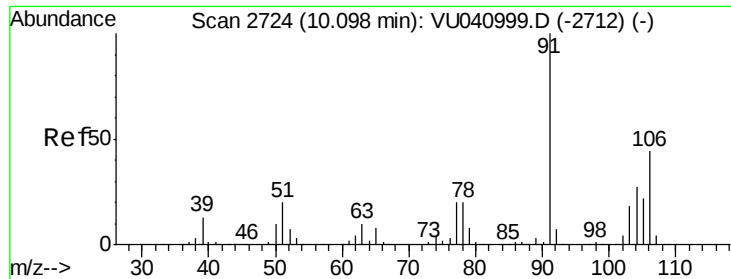
1000

0

9.65 9.70 9.75

Time-->





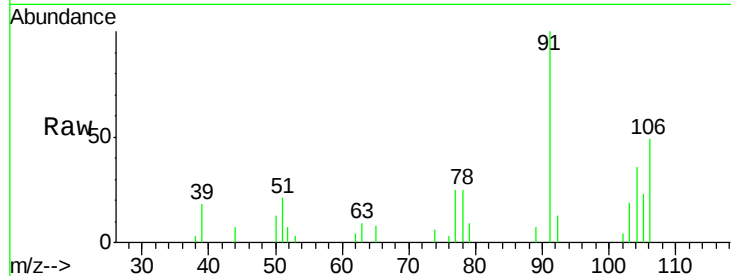
#54
o-Xylene
Concen: 0.223 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU041005.D
Acq: 28 Oct 2020 20:25

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-04

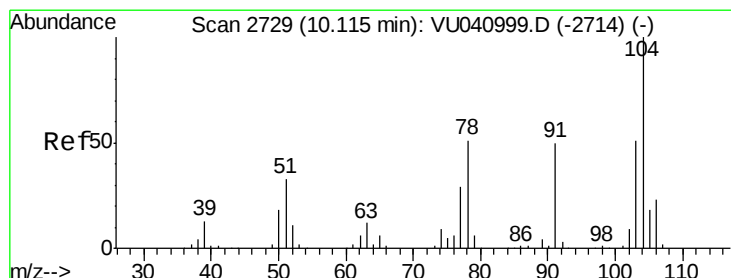
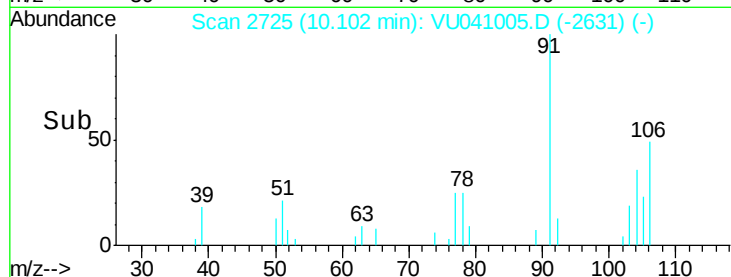
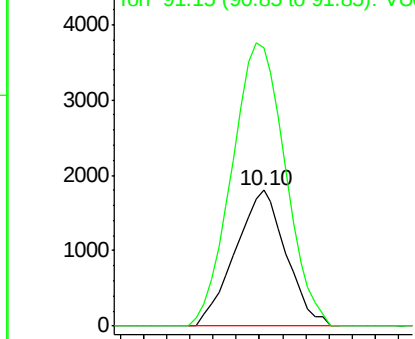
Tot Ion:106 Resp: 2735
Ion Ratio Lower Upper
106 100
91 204.9 158.3 294.1

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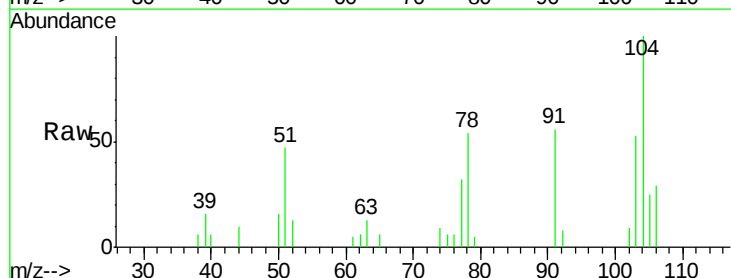


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

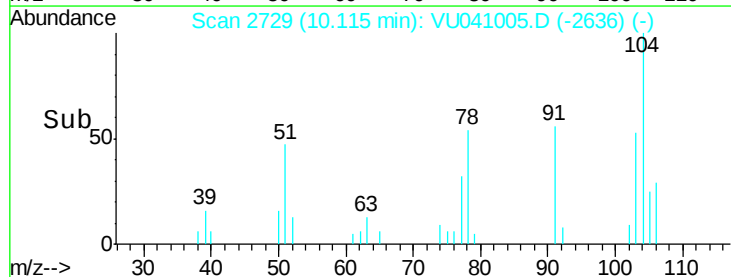
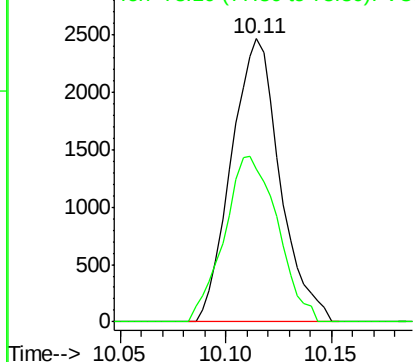


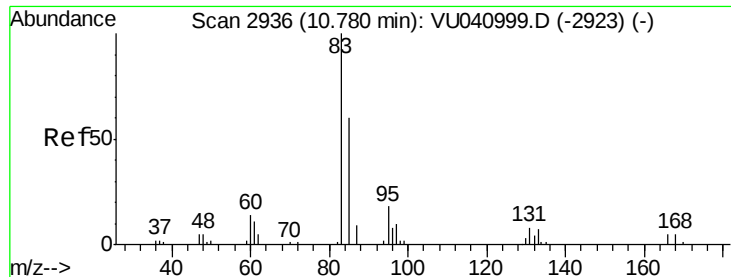
#55
Styrene
Concen: 0.186 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041005.D
Acq: 28 Oct 2020 20:25

Tgt Ion:104 Resp: 3958
Ion Ratio Lower Upper
104 100
78 53.8 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: 0.282 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041005.D

Acq: 28 Oct 2020 20:25

Instrument :

MSVOA_U

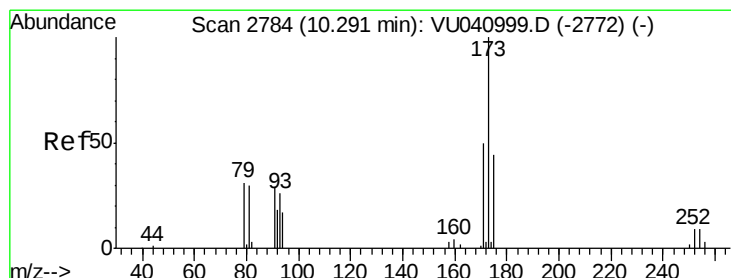
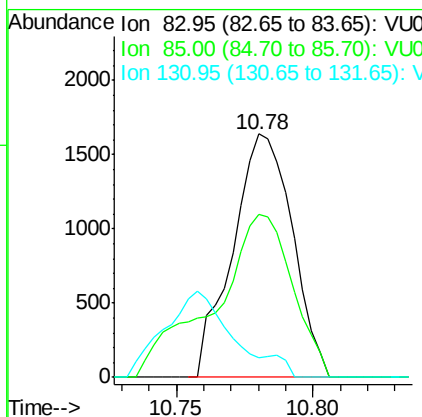
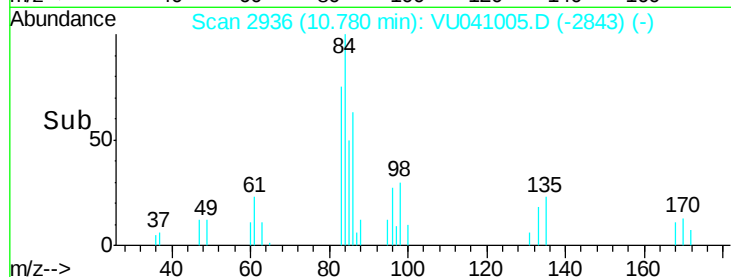
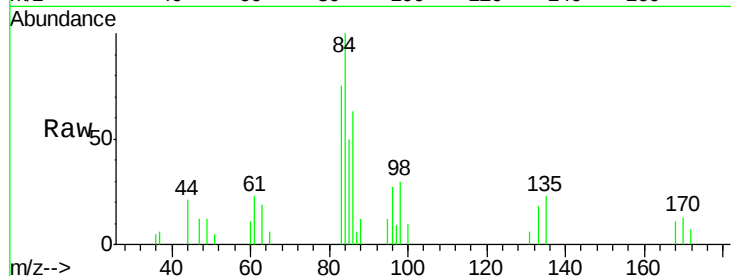
ClientSampleId :

MDL-WATER-04

Tot Ion:	83	Resp:	2488
Ion	Ratio	Lower	Upper
83	100		
85	67.0	42.1	78.3
131	8.0	6.7	10.1

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#59

Bromoform

Concen: 0.250 ug/L

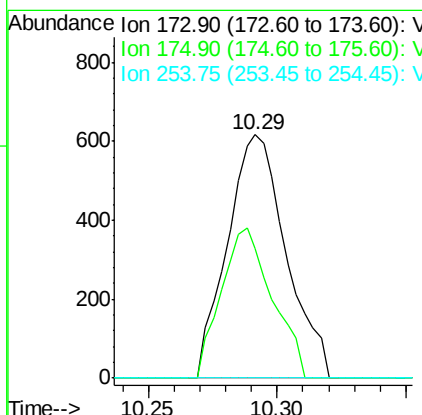
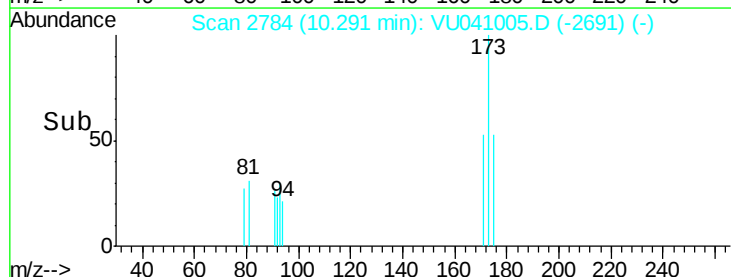
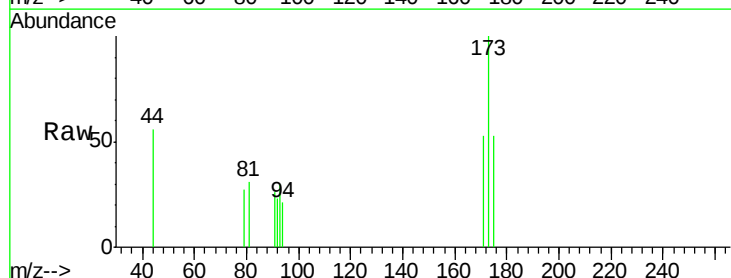
RT: 10.29 min Scan# 2784

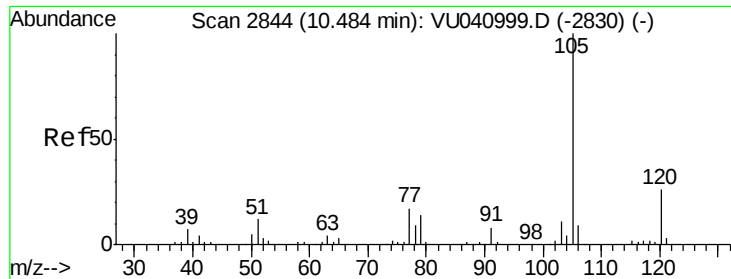
Delta R.T. 0.00 min

Lab File: VU041005.D

Acq: 28 Oct 2020 20:25

Tgt Ion:	173	Resp:	976
Ion	Ratio	Lower	Upper
173	100		
175	53.4	36.7	55.1
254	0.0	6.5	9.7#





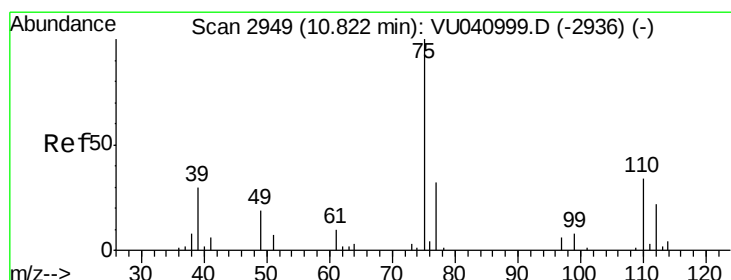
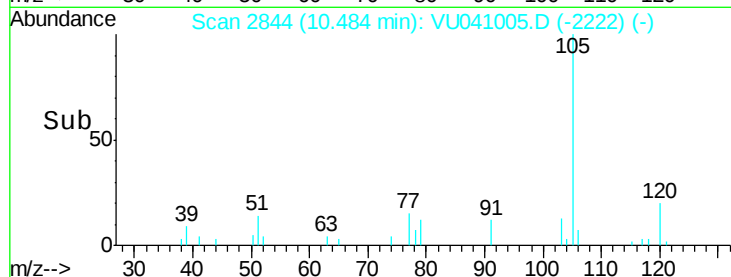
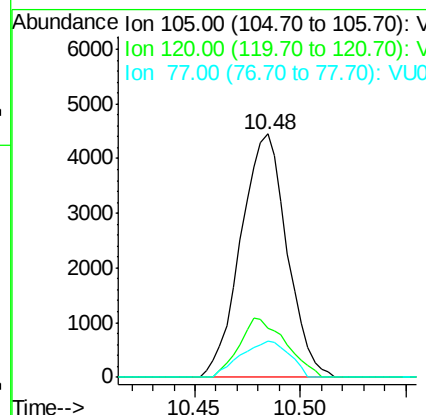
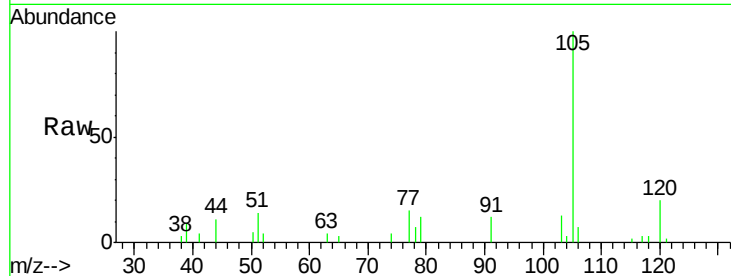
#60
Isopropylbenzene
Concen: 0.233 ug/L
RT: 10.48 min Scan# 2844
Delta R.T. 0.00 min
Lab File: VU041005.D
Acq: 28 Oct 2020 20:25

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-04

Tot Ion	Ratio	Lower	Upper
105	100		
120	24.4	20.2	30.4
77	15.6	14.4	21.6

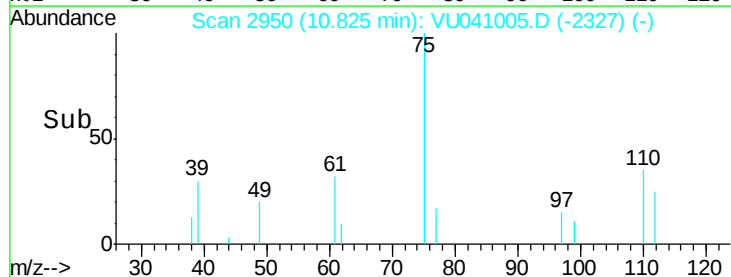
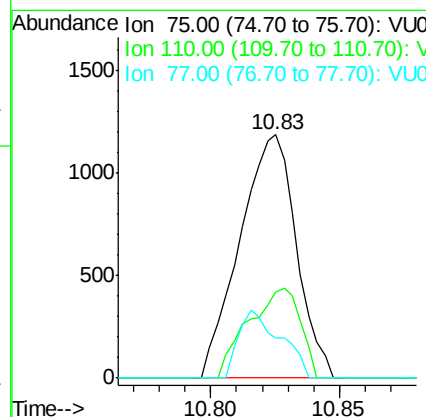
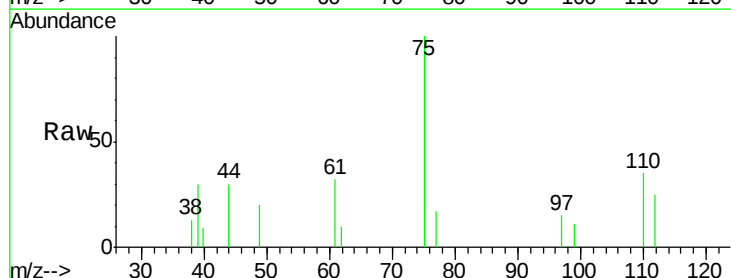
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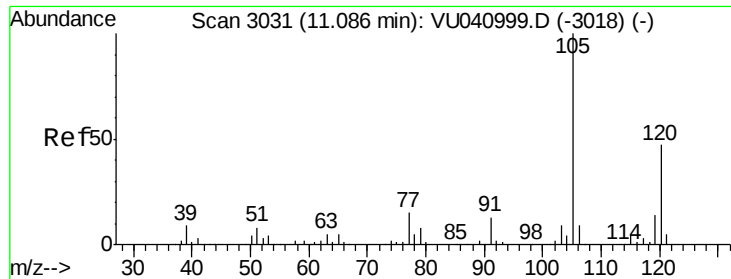
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#61
1,2,3-Trichloropropane
Concen: 0.299 ug/L
RT: 10.83 min Scan# 2950
Delta R.T. 0.00 min
Lab File: VU041005.D
Acq: 28 Oct 2020 20:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.1	27.5	41.3
77	20.6	24.9	37.3





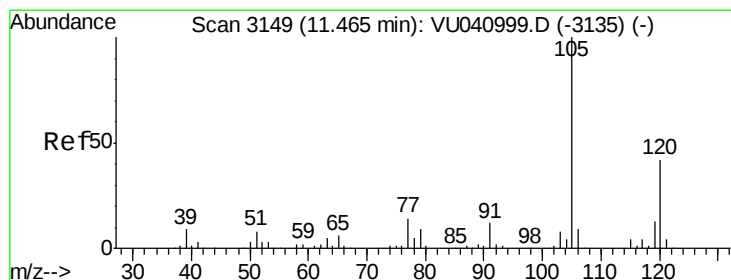
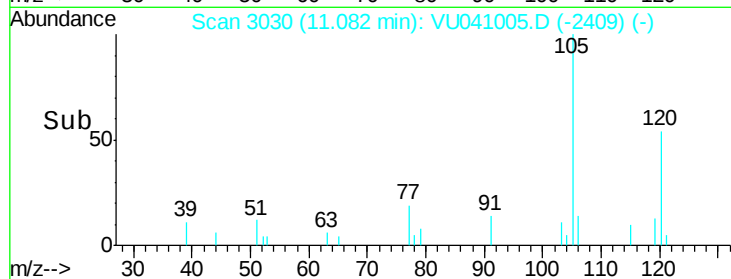
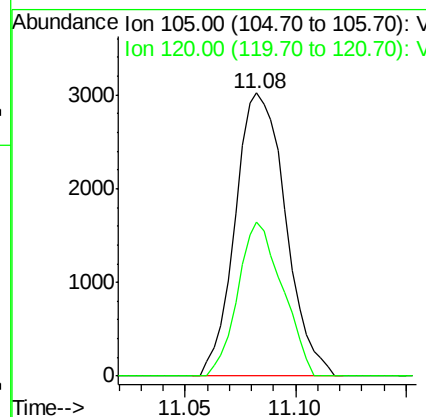
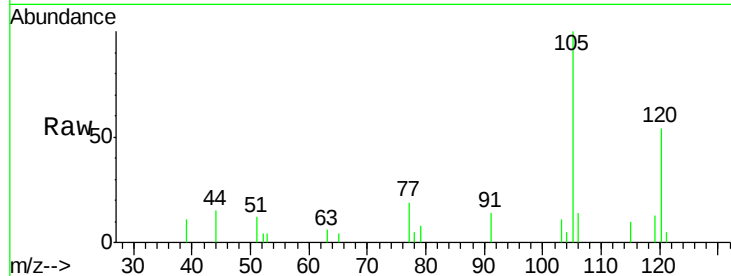
#62
 1,3,5-Trimethylbenzene
 Concen: 0.205 ug/L
 RT: 11.08 min Scan# 3030
 Delta R.T. -0.00 min
 Lab File: VU041005.D
 Acq: 28 Oct 2020 20:25

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-04

Tot Ion:105 Resp: 4787
 Ion Ratio Lower Upper
 105 100
 120 48.0 38.0 57.0

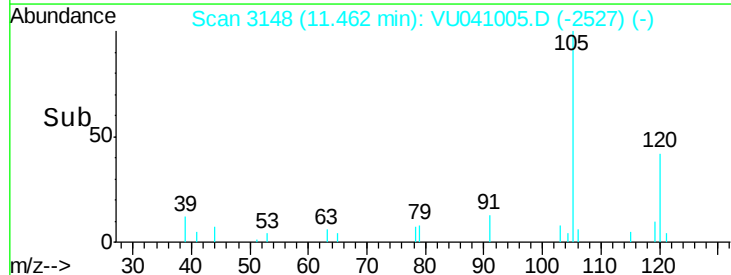
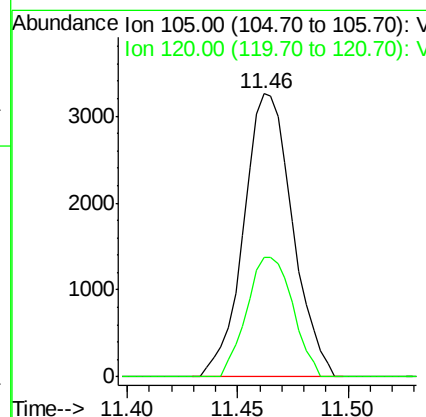
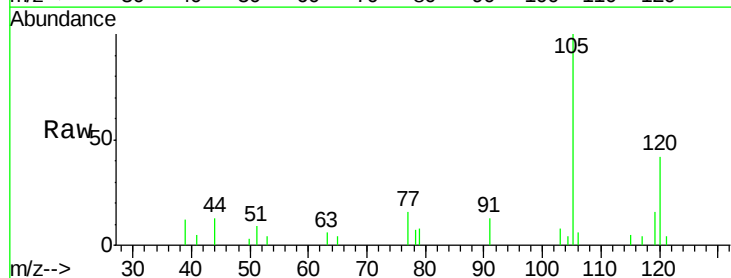
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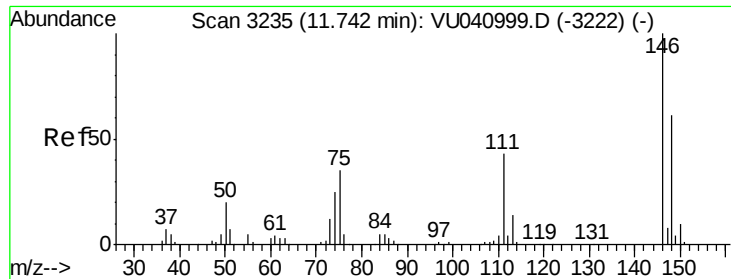
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#63
 1,2,4-Trimethylbenzene
 Concen: 0.212 ug/L
 RT: 11.46 min Scan# 3148
 Delta R.T. -0.00 min
 Lab File: VU041005.D
 Acq: 28 Oct 2020 20:25

Tgt Ion:105 Resp: 5019
 Ion Ratio Lower Upper
 105 100
 120 39.8 34.6 52.0





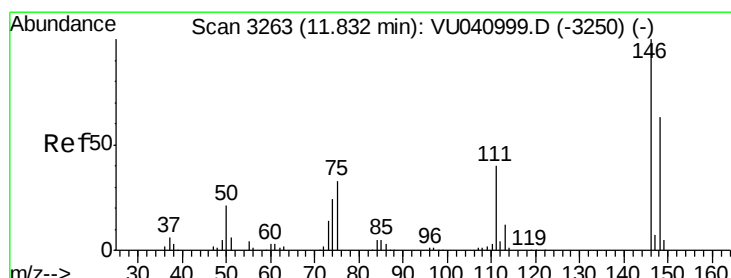
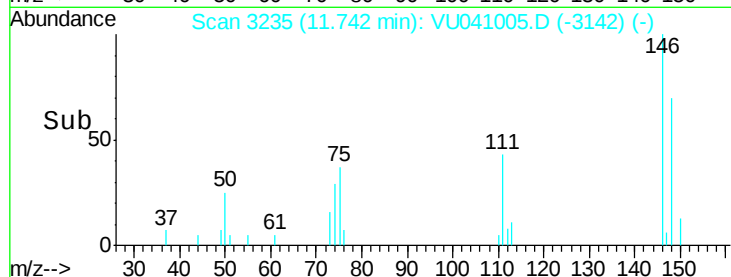
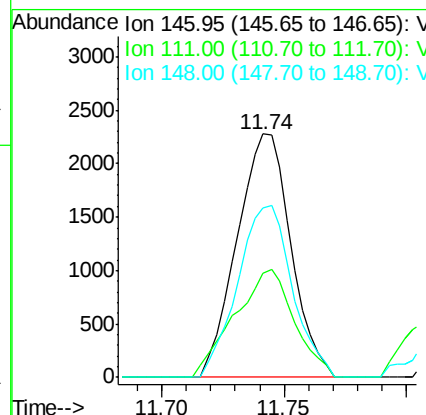
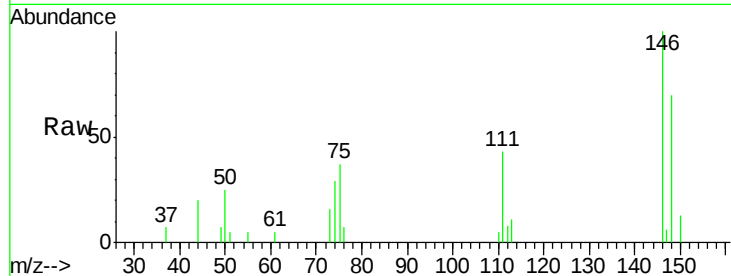
#64
 1,3-Dichlorobenzene
 Concen: 0.240 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041005.D
 Acq: 28 Oct 2020 20:25

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-04

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	30.2	56.0
148	69.7	42.9	79.7

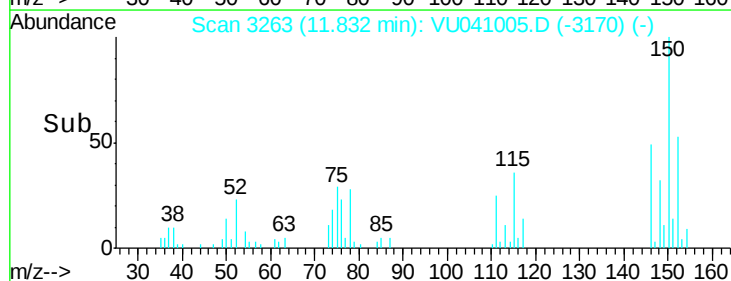
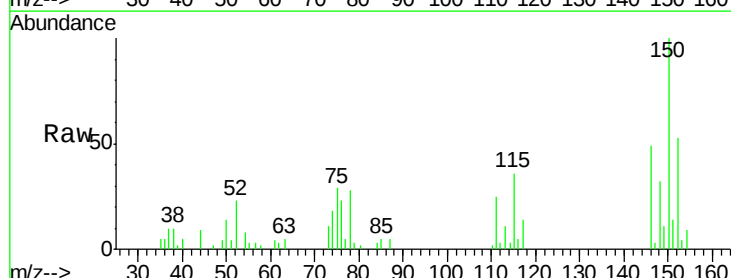
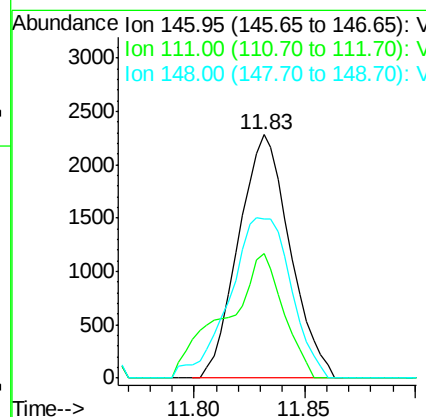
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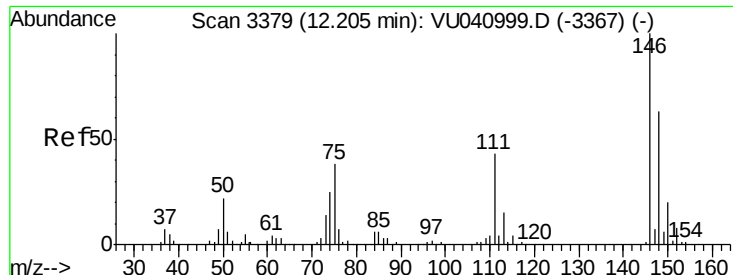
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#65
 1,4-Dichlorobenzene
 Concen: 0.248 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041005.D
 Acq: 28 Oct 2020 20:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	51.4	28.3	52.7
148	65.2	44.1	81.9





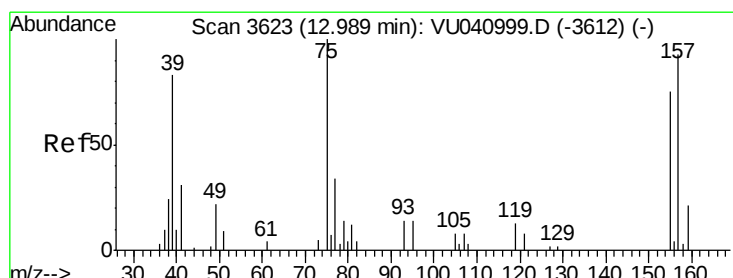
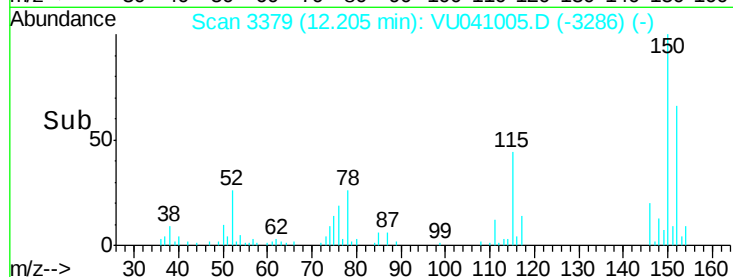
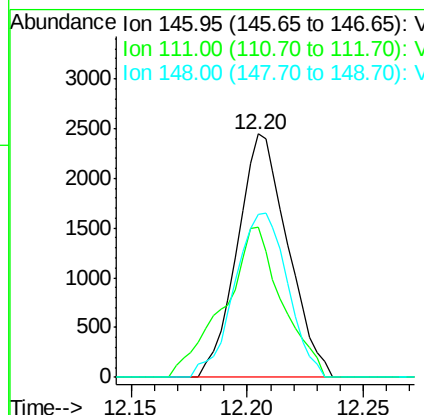
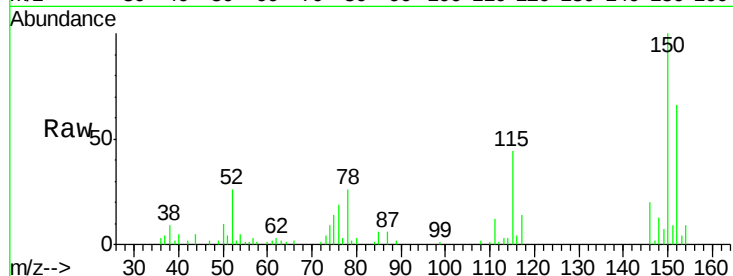
#67
 1,2-Dichlorobenzene
 Concen: 0.263 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. 0.00 min
 Lab File: VU041005.D
 Acq: 28 Oct 2020 20:25

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-04

Tot Ion	Ratio	Lower	Upper
146	100		
111	61.5	34.7	52.1#
148	66.8	50.7	76.1

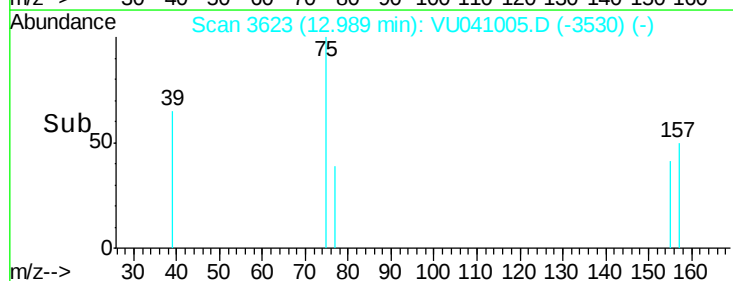
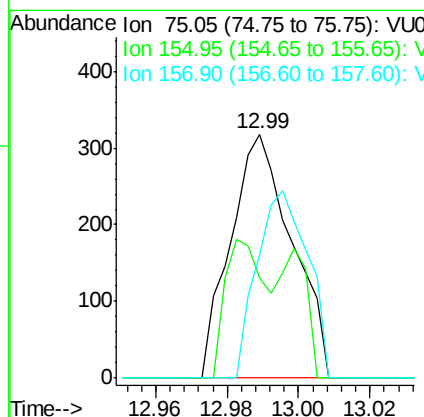
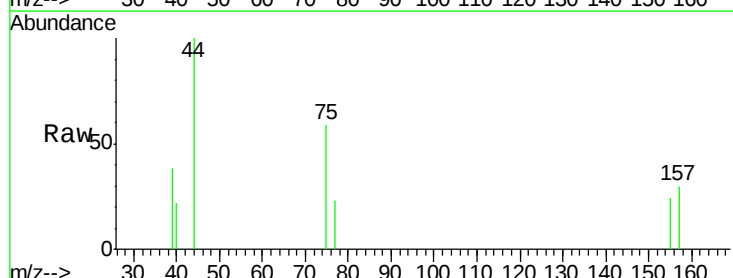
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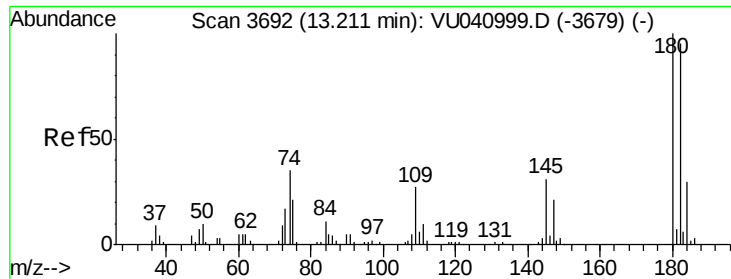
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#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.271 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU041005.D
 Acq: 28 Oct 2020 20:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	41.2	60.2	90.2#
157	50.3	74.4	111.6#





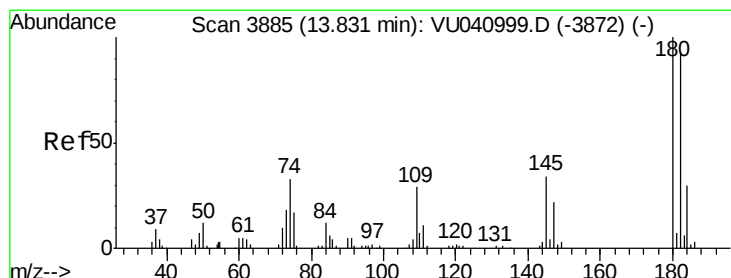
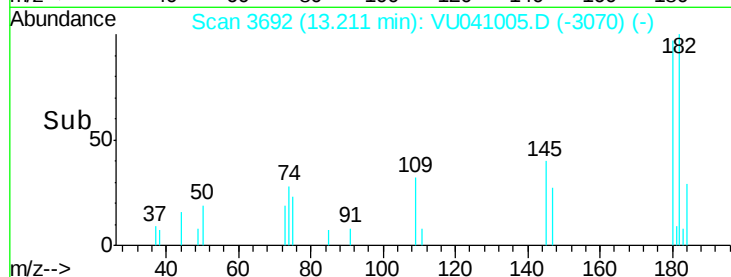
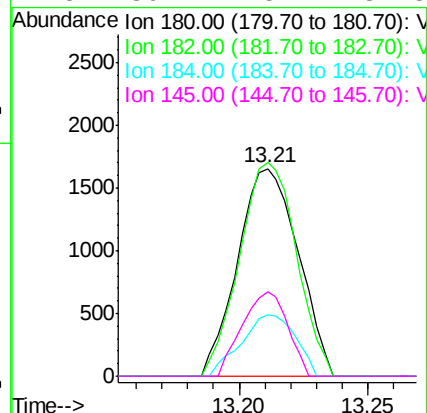
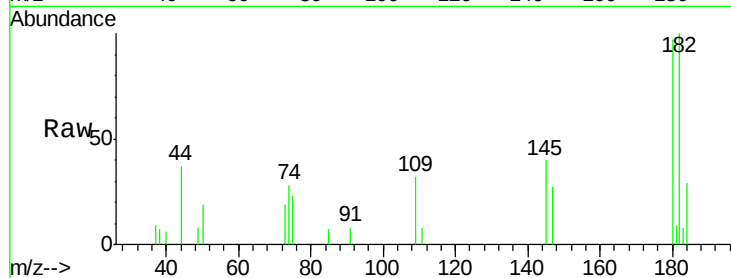
#69
 1,3,5-Trichlorobenzene
 Concen: 0.271 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041005.D
 Acq: 28 Oct 2020 20:25

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-04

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	76.9	115.3
184	26.5	23.8	35.8
145	30.7	25.2	37.8

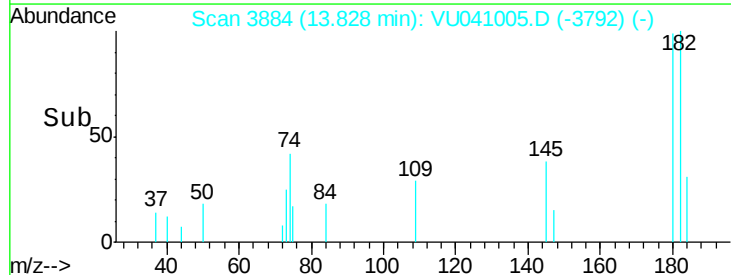
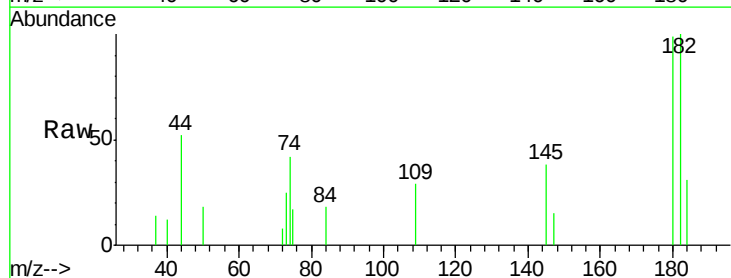
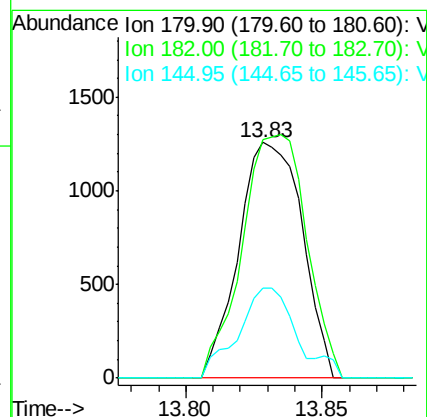
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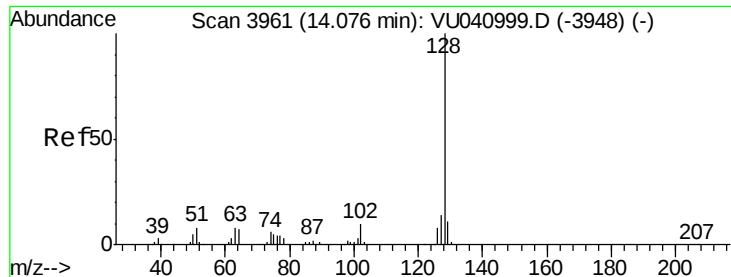
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#70
 1,2,4-trichlorobenzene
 Concen: 0.242 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU041005.D
 Acq: 28 Oct 2020 20:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	104.8	74.5	111.7
145	35.1	26.6	39.8





#71

Naphthalene

Concen: 0.185 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU041005.D

Acq: 28 Oct 2020 20:25

Instrument :

MSVOA_U

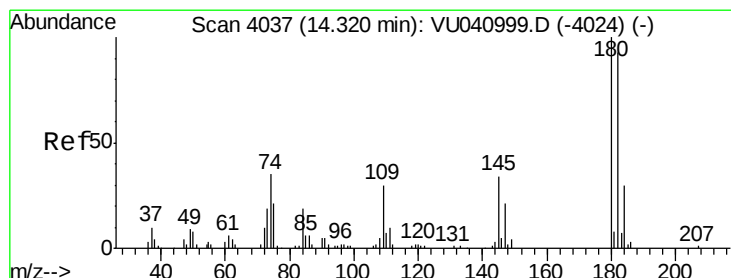
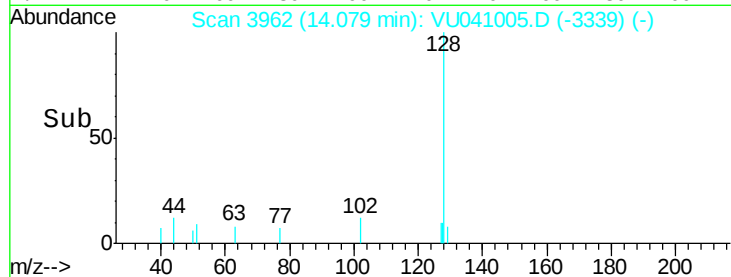
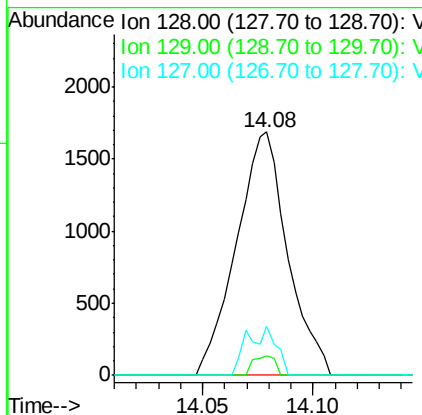
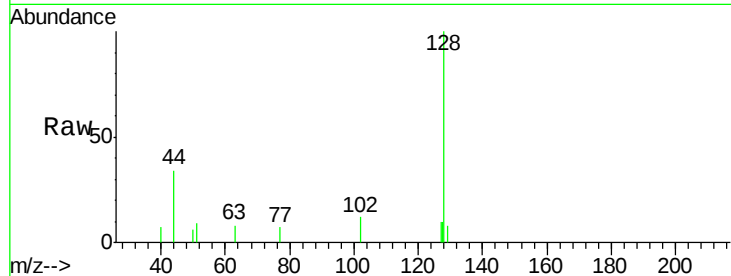
ClientSampleId :

MDL-WATER-04

Tot Ion:	128	Resp:	2715
Ion Ratio	Lower	Upper	
128	100		
129	3.5	8.8	13.2#
127	5.2	11.2	16.8#

Manual Integrations
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#72

1,2,3-Trichlorobenzene

Concen: 0.228 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU041005.D

Acq: 28 Oct 2020 20:25

Tgt Ion:	180	Resp:	1789
Ion Ratio	Lower	Upper	
180	100		
182	90.4	76.7	115.1
145	33.1	27.4	41.0

