

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010721\
 Data File : VU041861.D
 Acq On : 06 Jan 2021 14:04
 Operator : SY/MD
 Sample : L5214-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT1-2021-02

Manual Integrations
 APPROVED

MMDadoda
 1/7/2021 4:14:14 PM

Quant Time: Jan 07 01:25:25 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR122820WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 07 01:18:48 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	143738	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	144676	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	69894	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	47597	4.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.60%
7) Chloroethane-d5	1.92	69	47742	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.80%
11) 1,1-Dichloroethene-d2	2.57	65	22641	3.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.80%
20) 2-Butanone-d5	4.66	46	146249	45.45	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.90%
24) Chloroform-d	5.08	84	96630	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.71	65	53717	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
32) Benzene-d6	5.74	84	183625	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
36) 1,2-Dichloropropane-d6	6.70	67	57547	4.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.60%
41) Toluene-d8	7.90	98	155922	4.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.60%
43) trans-1,3-Dichloropropene-	8.18	79	23315	4.29	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.80%
46) 2-Hexanone-d5	8.64	63	130162	44.87	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.74%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	56731	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.40%
66) 1,2-Dichlorobenzene-d4	12.19	152	65119	4.90	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	3141	0.239 ug/L	95
3) Chloromethane	1.52	50	3980	0.333 ug/L	96
5) Vinyl chloride	1.61	62	3994	0.272 ug/L	91
6) Bromomethane	1.86	94	2616	0.261 ug/L	97
8) Chloroethane	1.94	64	2557	0.276 ug/L	84
9) Trichlorofluoromethane	2.14	101	5070	0.250 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	3513	0.308 ug/L #	84
12) 1,1-Dichloroethene	2.59	96	3344	0.296 ug/L #	1
13) Acetone	2.66	43	4827m	2.174 ug/L	
14) Carbon disulfide	2.80	76	8846	0.234 ug/L	99
15) Methyl Acetate	2.98	43	1221m	0.235 ug/L	
16) Methylene chloride	3.06	84	4163	0.290 ug/L	94
17) Methyl tert-butyl Ether	3.38	73	6126	0.224 ug/L #	88
18) trans-1,2-Dichloroethene	3.36	96	2870	0.262 ug/L	92
19) 1,1-Dichloroethane	3.89	63	4626	0.238 ug/L	93
21) 2-Butanone	4.74	43	6904m	2.252 ug/L	
22) cis-1,2-Dichloroethene	4.68	96	2856	0.251 ug/L	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.99	128	1363	0.247	ug/L	81
25) Chloroform	5.11	83	6420	0.327	ug/L	85
27) 1,2-Dichloroethane	5.81	62	2867	0.225	ug/L #	88
29) 1,1,1-Trichloroethane	5.33	97	4084	0.236	ug/L	95
30) Cyclohexane	5.40	56	3378	0.212	ug/L	97
31) Carbon tetrachloride	5.54	117	3391	0.221	ug/L	88
33) Benzene	5.78	78	10384	0.241	ug/L	100
34) Trichloroethene	6.55	95	2726	0.242	ug/L	95
35) Methylcyclohexane	6.77	83	3920	0.227	ug/L	95
37) 1,2-Dichloropropane	6.80	63	2523	0.235	ug/L #	87
38) Bromodichloromethane	7.11	83	3470	0.247	ug/L	98
39) cis-1,3-Dichloropropene	7.62	75	4291	0.267	ug/L	90
40) 4-Methyl-2-pentanone	7.80	43	14635	2.133	ug/L #	86
42) Toluene	7.97	91	11132	0.245	ug/L	91
44) trans-1,3-Dichloropropene	8.21	75	3267	0.222	ug/L #	73
45) 1,1,2-Trichloroethane	8.41	97	1955	0.225	ug/L	90
47) Tetrachloroethene	8.56	164	2110	0.239	ug/L	95
48) 2-Hexanone	8.69	43	12713	2.534	ug/L	95
49) Dibromochloromethane	8.81	129	2282	0.219	ug/L	86
50) 1,2-Dibromoethane	8.92	107	2018	0.235	ug/L #	87
51) Chlorobenzene	9.45	112	7584	0.254	ug/L	99
52) Ethylbenzene	9.57	91	10798	0.228	ug/L	94
53) m,p-Xylene	9.69	106	3871	0.208	ug/L	95
54) o-Xylene	10.10	106	3770	0.213	ug/L	87
55) Styrene	10.11	104	5915	0.194	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.78	83	2995	0.263	ug/L	89
59) Bromoform	10.29	173	1541	0.256	ug/L #	75
60) Isopropylbenzene	10.48	105	9398	0.215	ug/L	98
61) 1,2,3-Trichloropropane	10.82	75	2136	0.272	ug/L #	88
62) 1,3,5-Trimethylbenzene	11.08	105	7799	0.217	ug/L	97
63) 1,2,4-Trimethylbenzene	11.46	105	7580	0.213	ug/L	99
64) 1,3-Dichlorobenzene	11.74	146	5566	0.263	ug/L	87
65) 1,4-Dichlorobenzene	11.83	146	6107	0.284	ug/L	93
67) 1,2-Dichlorobenzene	12.21	146	5915	0.281	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.99	75	370	0.205	ug/L #	66
69) 1,3,5-Trichlorobenzene	13.21	180	3778	0.238	ug/L	97
70) 1,2,4-trichlorobenzene	13.83	180	2406	0.208	ug/L	94
71) Naphthalene	14.08	128	2427	0.119	ug/L #	93
72) 1,2,3-Trichlorobenzene	14.32	180	2109	0.191	ug/L #	93

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

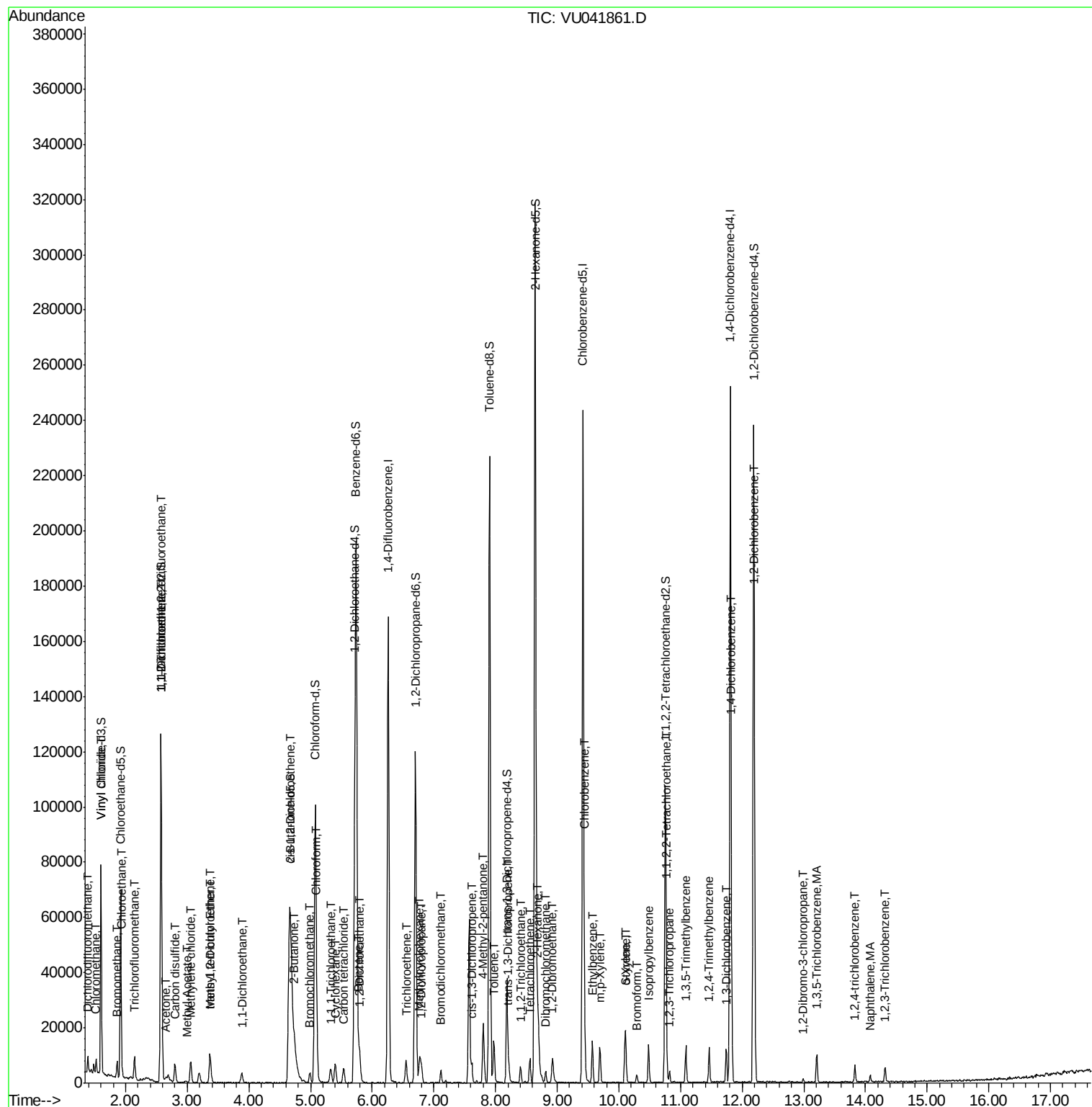
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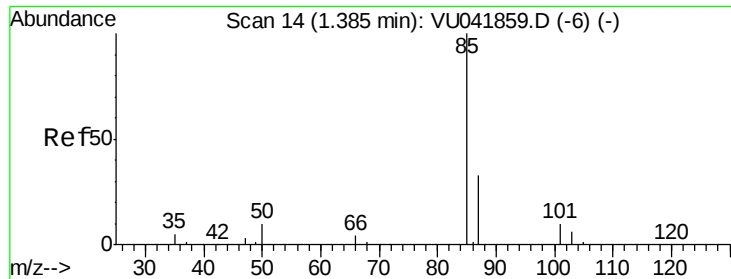
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#2

Dichlorodifluoromethane

Concen: 0.239 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041861.D

Acq: 06 Jan 2021 14:04

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT1-2021-02

Tot Ion: 85 Resp: 3141

Ion Ratio Lower Upper

85 100

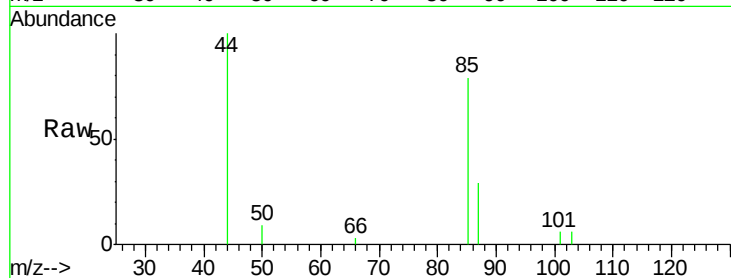
87 35.8 26.3 39.5

Manual Integrations

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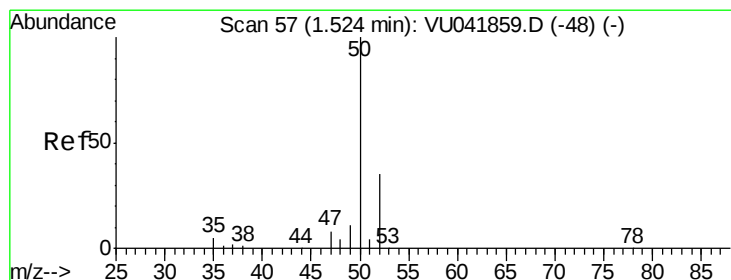
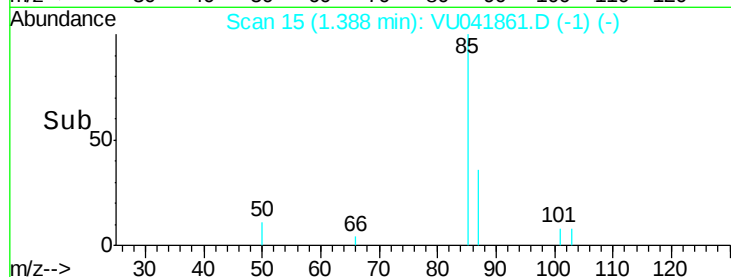
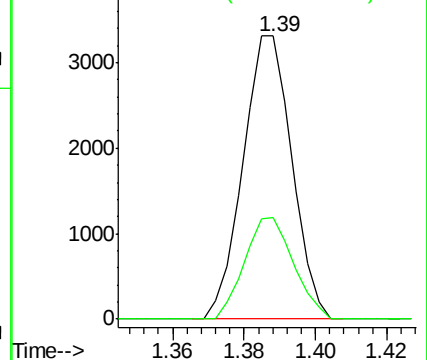
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Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.333 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041861.D

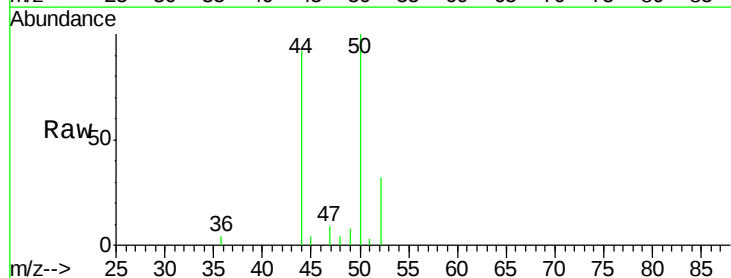
Acq: 06 Jan 2021 14:04

Tgt Ion: 50 Resp: 3980

Ion Ratio Lower Upper

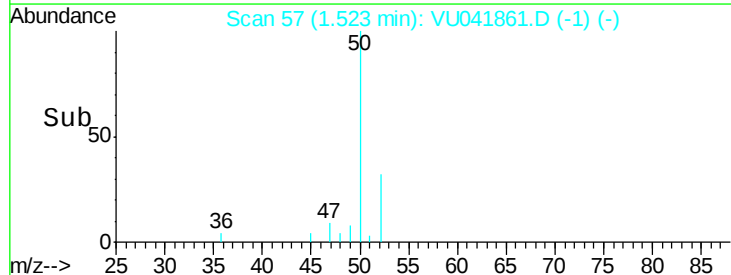
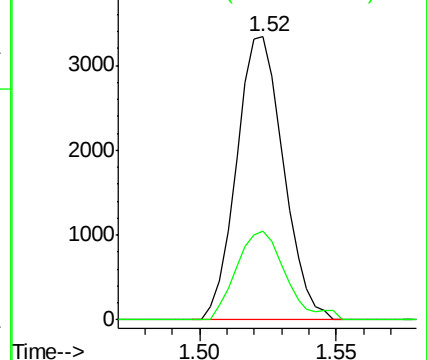
50 100

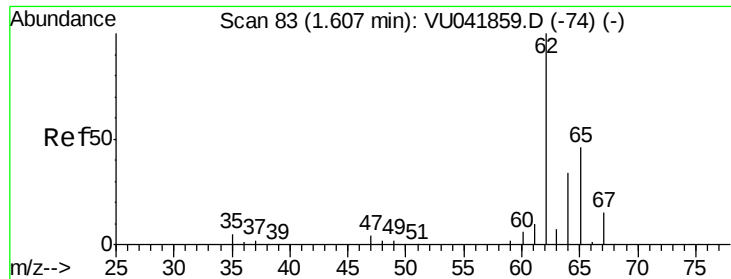
52 31.6 23.6 43.8



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.272 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU041861.D

Acq: 06 Jan 2021 14:04

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT1-2021-02

Tot Ion: 62 Resp: 3994

Ion Ratio Lower Upper

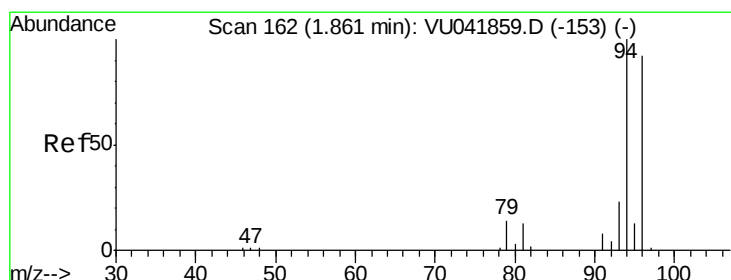
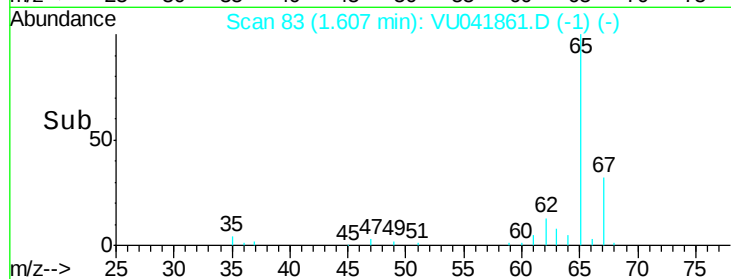
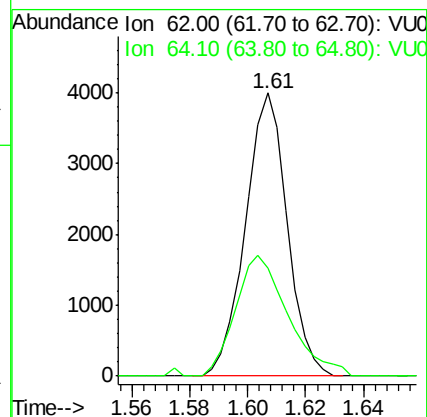
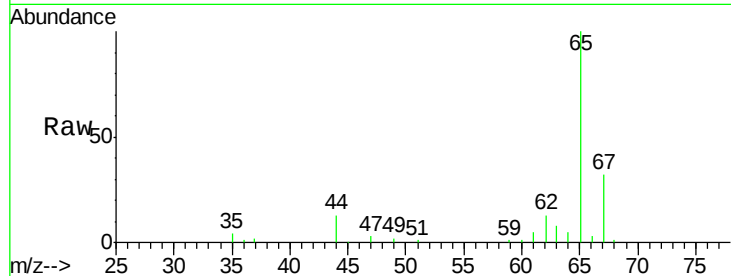
62 100

64 37.9 22.8 42.4

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#6

Bromomethane

Concen: 0.261 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU041861.D

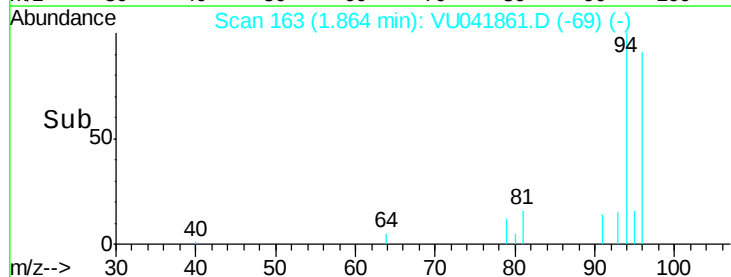
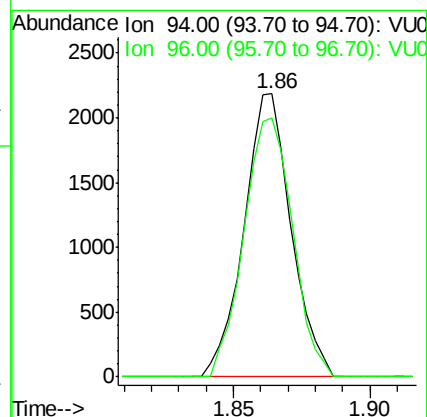
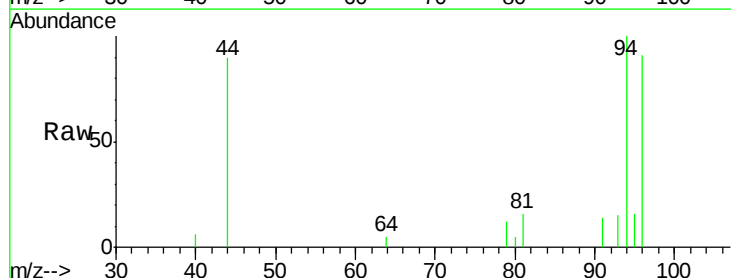
Acq: 06 Jan 2021 14:04

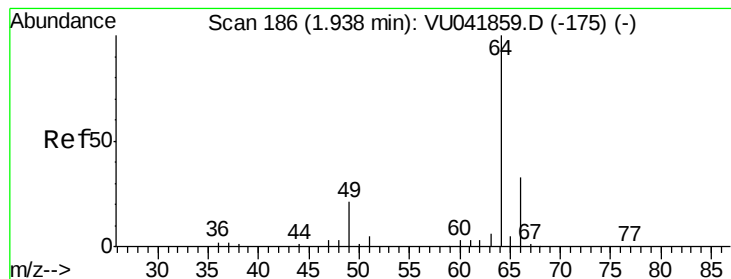
Tgt Ion: 94 Resp: 2616

Ion Ratio Lower Upper

94 100

96 91.4 66.1 122.7





#8

Chloroethane

Concen: 0.276 ug/L

RT: 1.94 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU041861.D

Acq: 06 Jan 2021 14:04

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT1-2021-02

Tot Ion: 64 Resp: 2557

Ion Ratio Lower Upper

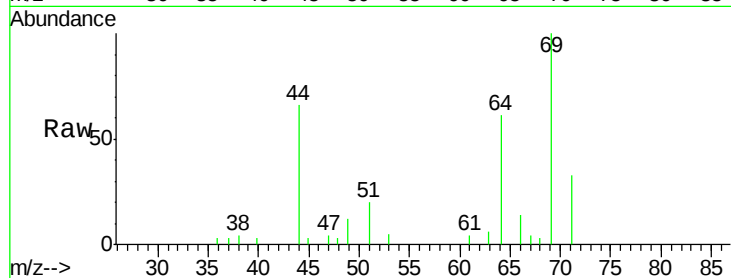
64 100

66 22.9 22.4 41.6

Manual Integrations
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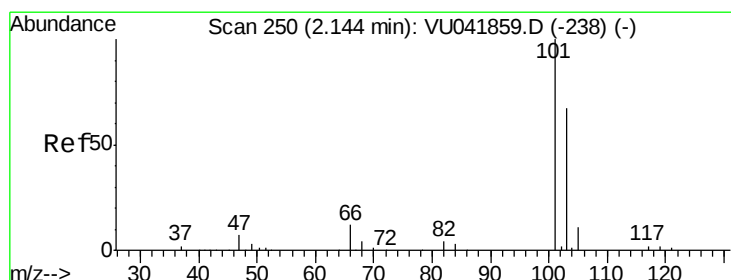
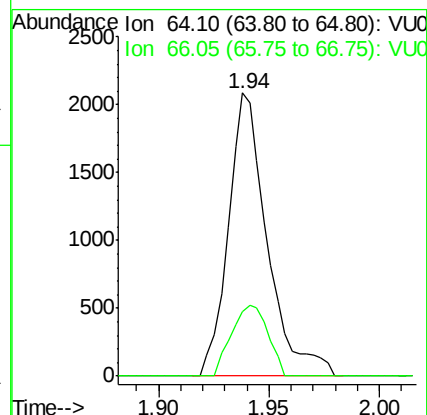
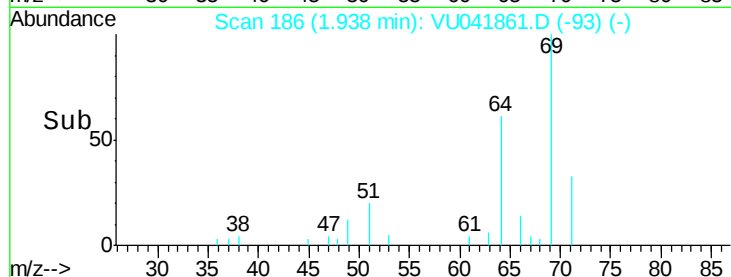
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Abundance Ion 64.10 (63.80 to 64.80): VU041861.D (-93) (-)

Ion 66.05 (65.75 to 66.75): VU041861.D (-93) (-)



#9

Trichlorofluoromethane

Concen: 0.250 ug/L

RT: 2.14 min Scan# 250

Delta R.T. -0.00 min

Lab File: VU041861.D

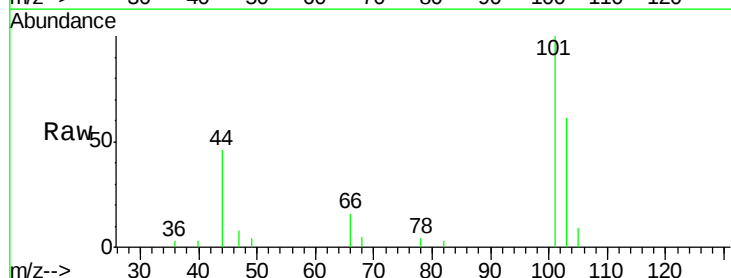
Acq: 06 Jan 2021 14:04

Tgt Ion: 101 Resp: 5070

Ion Ratio Lower Upper

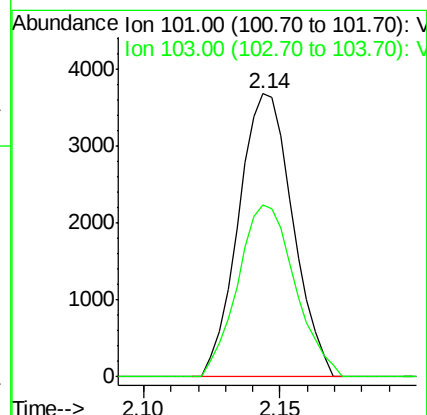
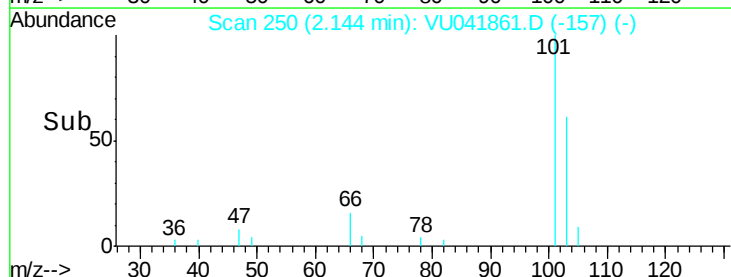
101 100

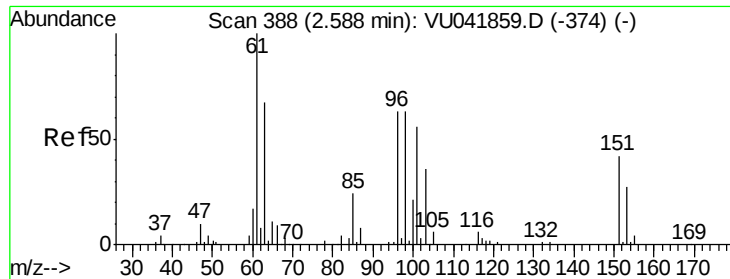
103 64.2 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VU041861.D (-157) (-)

Ion 103.00 (102.70 to 103.70): VU041861.D (-157) (-)





#10

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

Concen: 0.308 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU041861.D

Acq: 06 Jan 2021 14:04

Instrument :

MSVOA_U

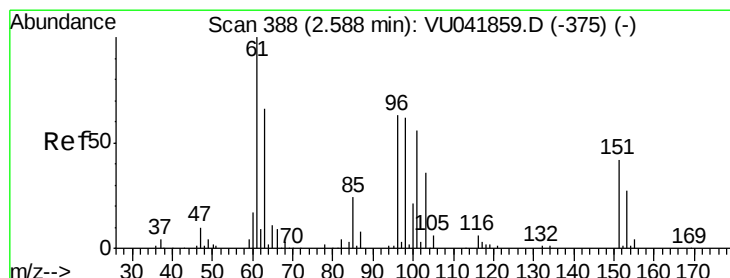
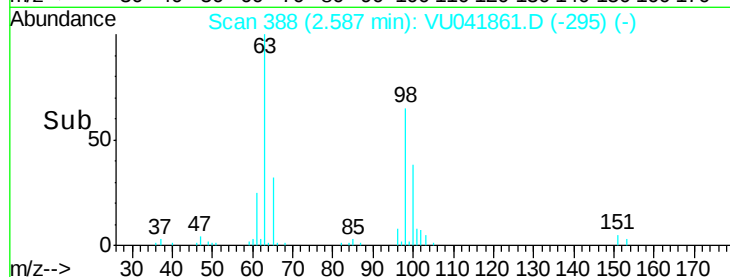
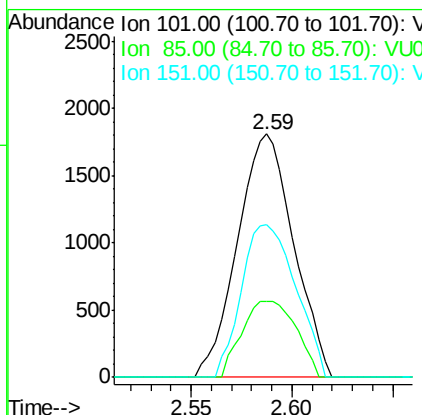
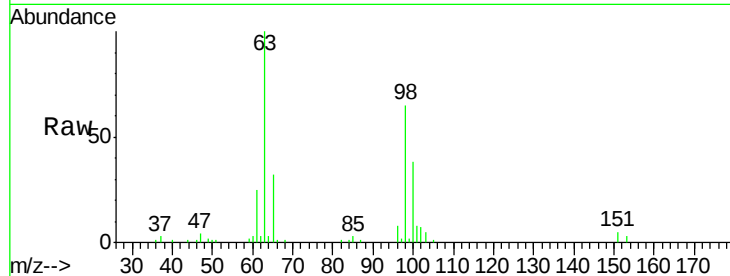
ClientSampleId :

MDL-WATER-QT1-2021-02

Tot Ion:	101	Resp:	3513
Ion Ratio	Lower	Upper	
101	100		
85	30.1	34.5	51.7#
151	60.8	57.4	86.2

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#12

1,1-Dichloroethene

Concen: 0.296 ug/L

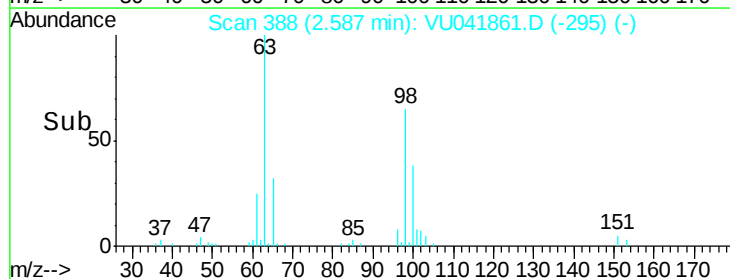
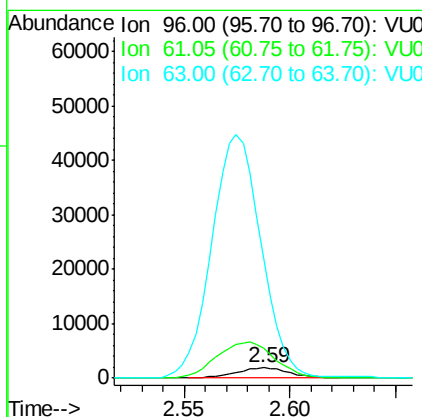
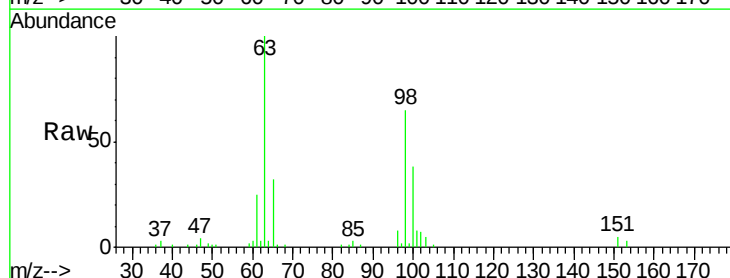
RT: 2.59 min Scan# 388

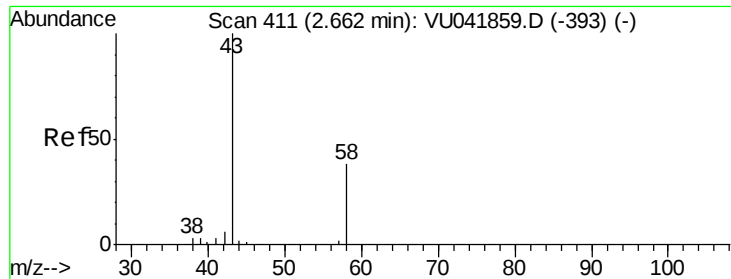
Delta R.T. -0.00 min

Lab File: VU041861.D

Acq: 06 Jan 2021 14:04

Tgt Ion:	96	Resp:	3344
Ion Ratio	Lower	Upper	
96	100		
61	295.6	115.1	213.7#
63	1177.0	84.1	156.1#





#13

Acetone

Concen: 2.174 ug/L m

RT: 2.66 min Scan# 412

Delta R.T. 0.00 min

Lab File: VU041861.D

Acq: 06 Jan 2021 14:04

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MSVOA_U

ClientSampleId :

MDL-WATER-QT1-2021-02

Tot Ion: 43 Resp: 4827

Ion Ratio Lower Upper

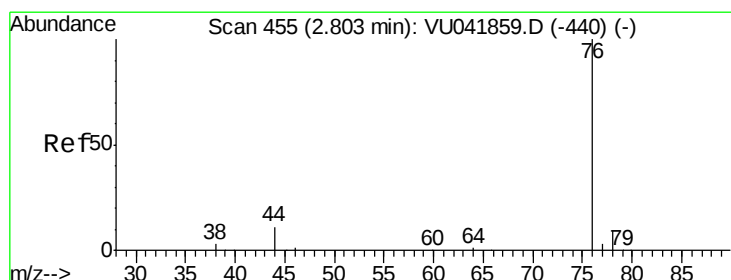
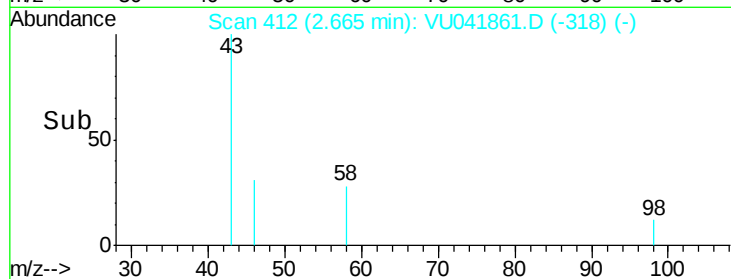
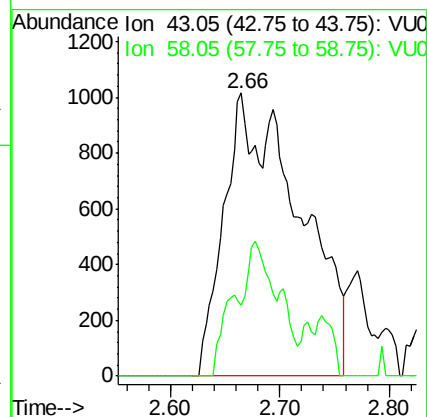
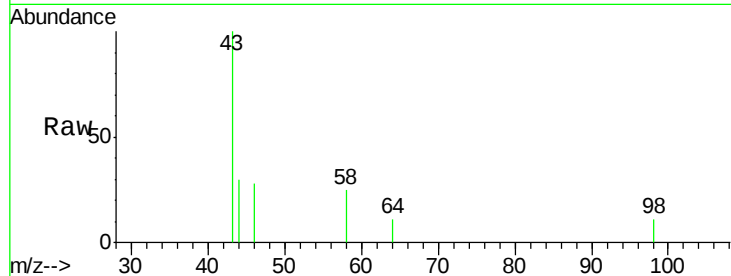
43 100

58 7.4 0.0 25.0

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#14

Carbon disulfide

Concen: 0.234 ug/L

RT: 2.80 min Scan# 454

Delta R.T. -0.00 min

Lab File: VU041861.D

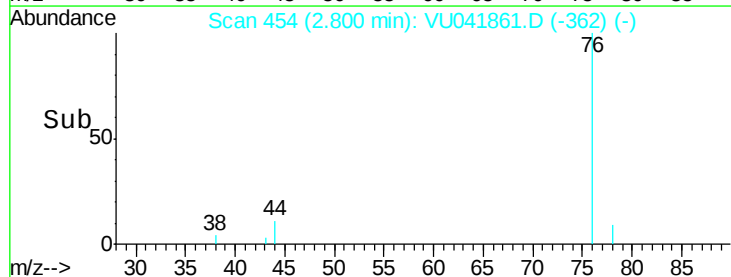
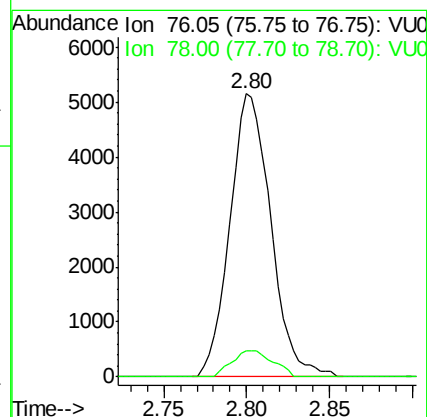
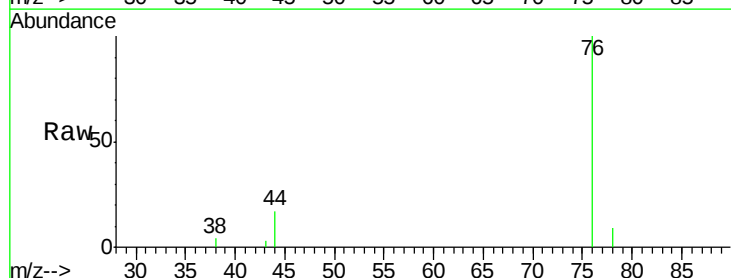
Acq: 06 Jan 2021 14:04

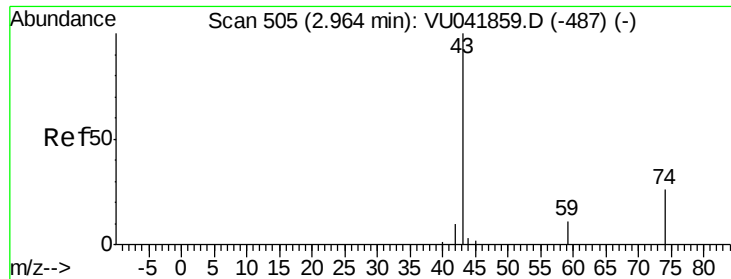
Tgt Ion: 76 Resp: 8846

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3





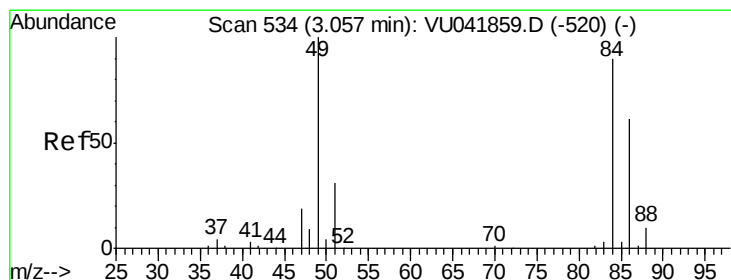
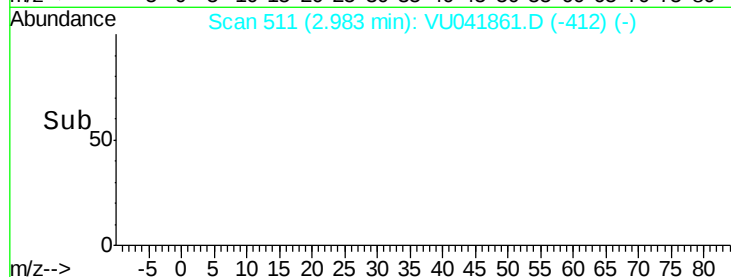
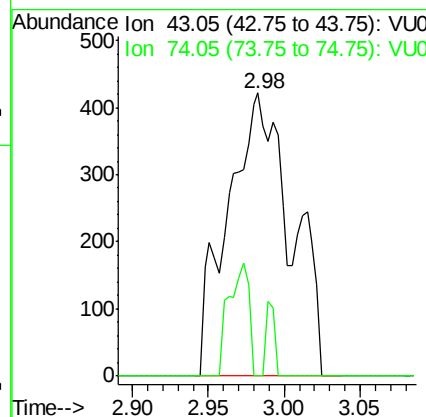
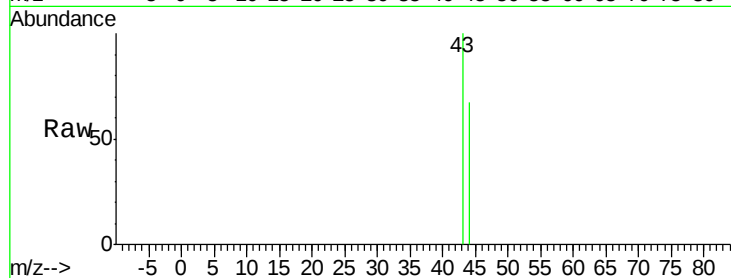
#15
Methyl Acetate
Concen: 0.235 ug/L m
RT: 2.98 min Scan# 511
Delta R.T. 0.02 min
Lab File: VU041861.D
Acq: 06 Jan 2021 14:04

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2021-02

Tot Ion: 43 Resp: 1221
Ion Ratio Lower Upper
43 100
74 12.6 21.5 32.3#

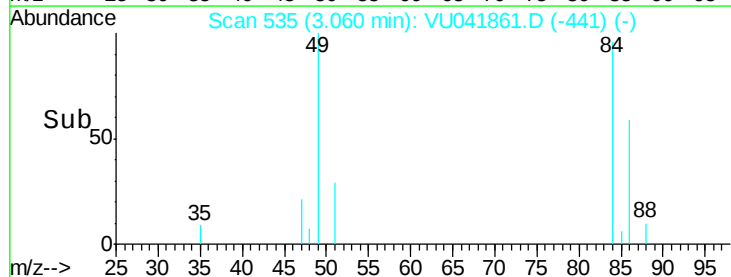
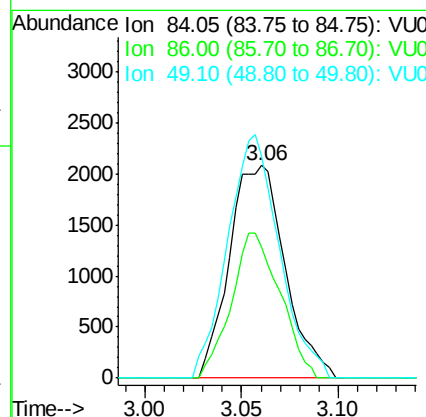
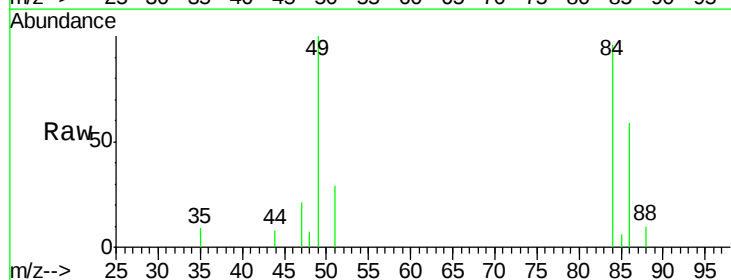
Manual Integrations
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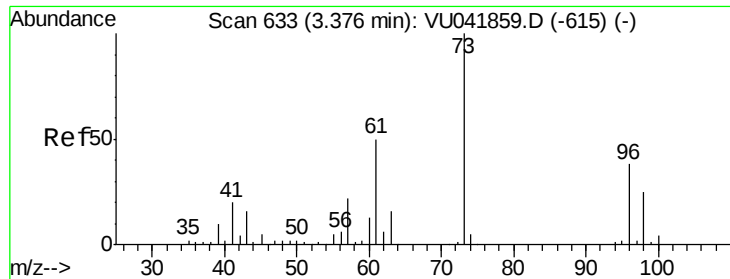
MMDadoda
1/7/2021 4:14:14 PM



#16
Methylene chloride
Concen: 0.290 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041861.D
Acq: 06 Jan 2021 14:04

Tgt Ion: 84 Resp: 4163
Ion Ratio Lower Upper
84 100
86 61.4 44.9 83.5
49 104.7 79.0 146.8





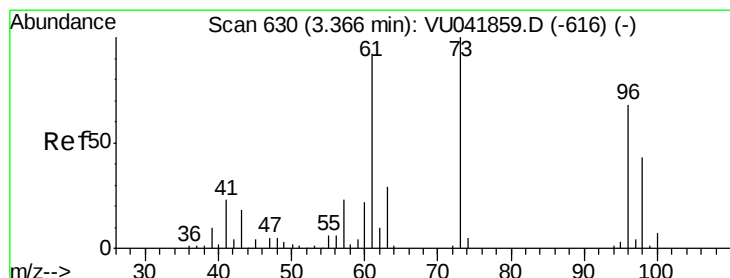
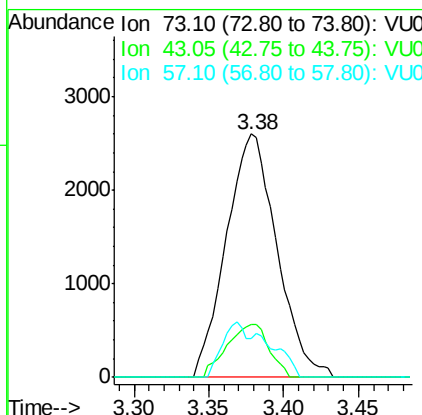
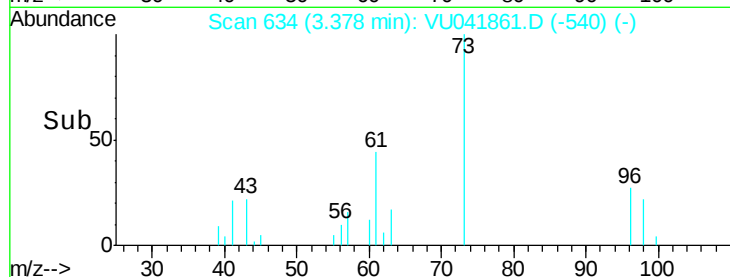
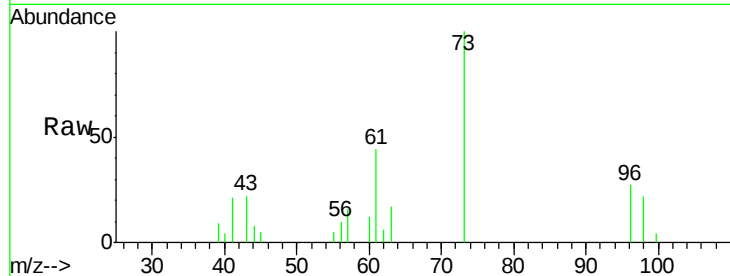
#17
Methvl tert-butvl Ether
Concen: 0.224 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU041861.D
Acq: 06 Jan 2021 14:04

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2021-02

Tot Ion: 73 Resp: 6126
Ion Ratio Lower Upper
73 100
43 18.1 15.0 22.4
57 11.8 17.3 25.9#

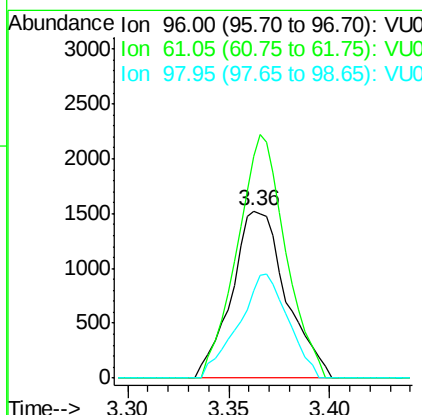
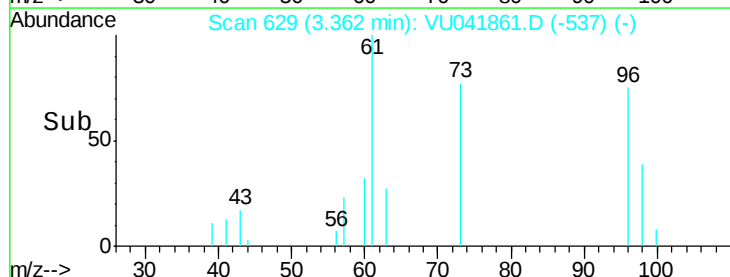
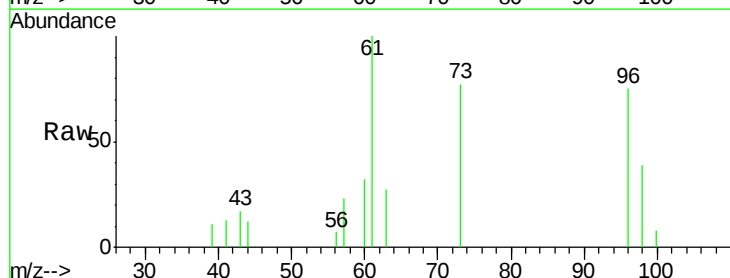
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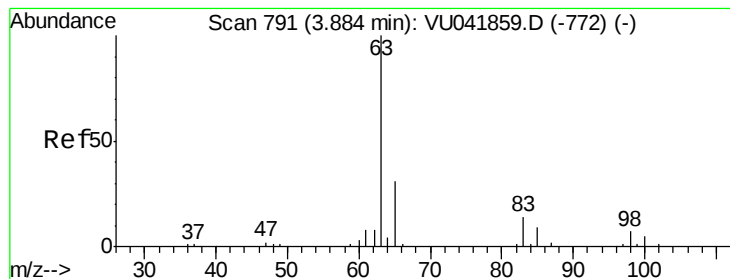
MMDadoda
1/7/2021 4:14:14 PM



#18
trans-1,2-Dichloroethene
Concen: 0.262 ug/L
RT: 3.36 min Scan# 629
Delta R.T. -0.00 min
Lab File: VU041861.D
Acq: 06 Jan 2021 14:04

Tgt Ion: 96 Resp: 2870
Ion Ratio Lower Upper
96 100
61 132.8 96.6 179.4
98 52.2 44.7 82.9





#19

1,1-Dichloroethane

Concen: 0.238 ug/L

RT: 3.89 min Scan# 792

Delta R.T. 0.00 min

Lab File: VU041861.D

Acq: 06 Jan 2021 14:04

Instrument :

MSVOA_U

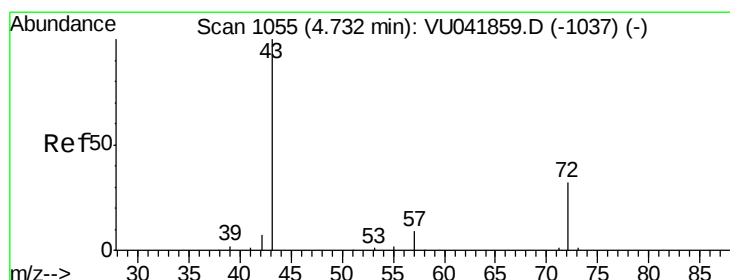
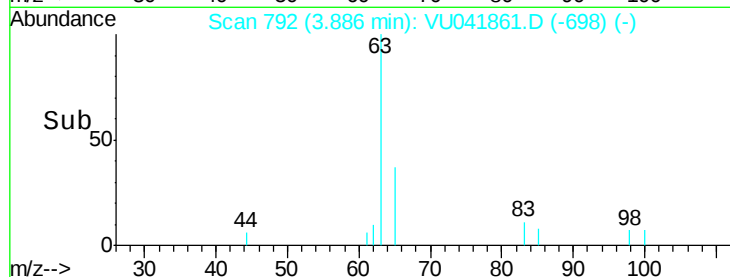
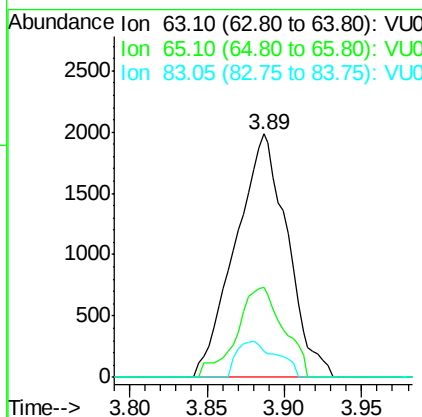
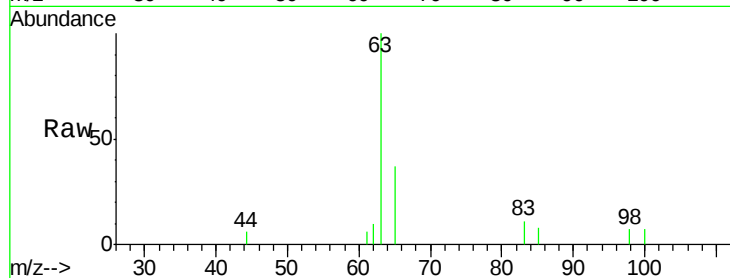
ClientSampleId :

MDL-WATER-QT1-2021-02

Tot Ion:	63	Resp:	4626
Ion	Ratio	Lower	Upper
63	100		
65	37.1	23.2	43.0
83	10.8	9.9	18.3

Manual Integrations
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#21

2-Butanone

Concen: 2.252 ug/L m

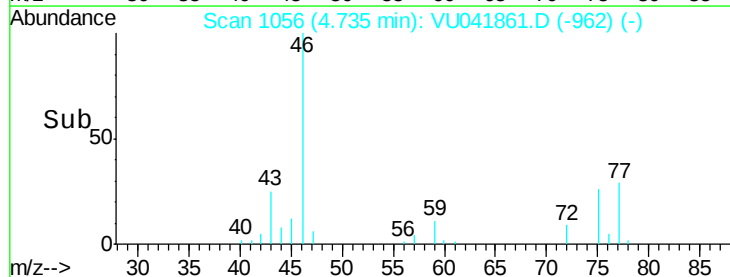
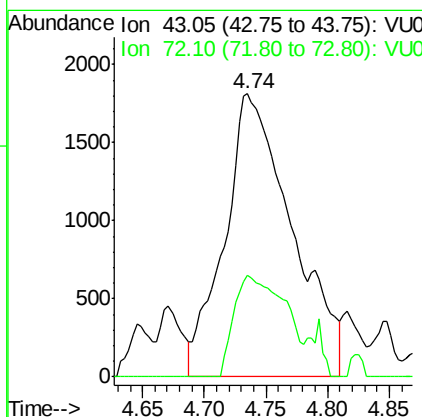
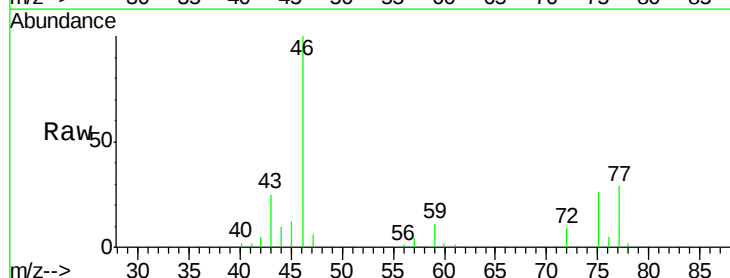
RT: 4.74 min Scan# 1056

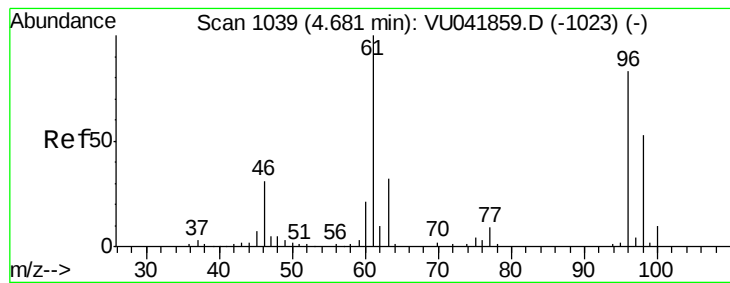
Delta R.T. 0.00 min

Lab File: VU041861.D

Acq: 06 Jan 2021 14:04

Tgt Ion:	43	Resp:	6904
Ion	Ratio	Lower	Upper
43	100		
72	27.2	15.8	47.3





#22

cis-1,2-Dichloroethene

Concen: 0.251 ug/L

RT: 4.68 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VU041861.D

Acq: 06 Jan 2021 14:04

Instrument :

MSVOA_U

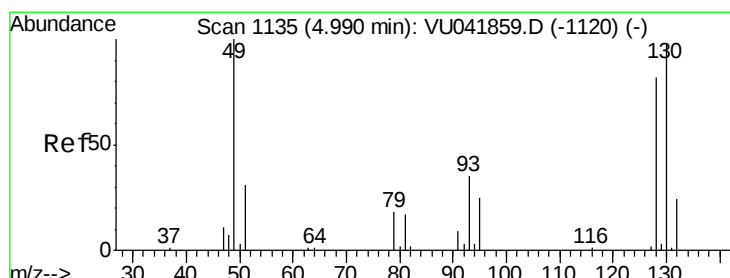
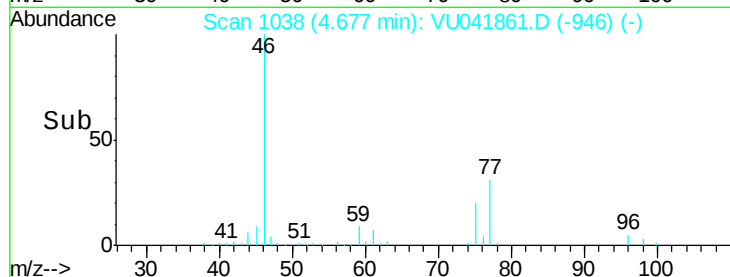
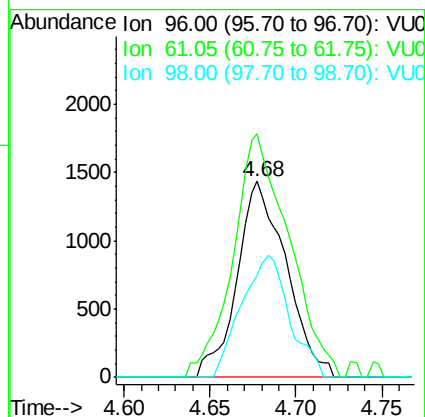
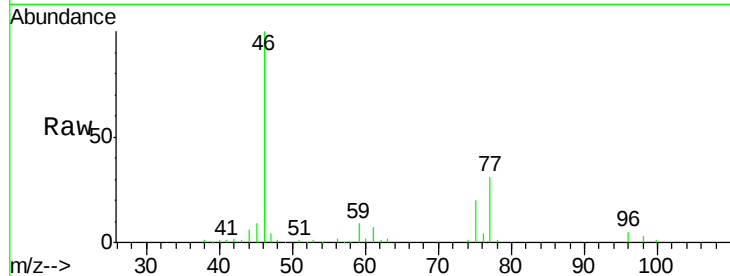
ClientSampleId :

MDL-WATER-QT1-2021-02

Tot Ion:	96	Resp:	2856
Ion	Ratio	Lower	Upper
96	100		
61	124.1	87.4	162.4
98	52.0	47.7	88.5

Manual Integrations
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#23

Bromochloromethane

Concen: 0.247 ug/L

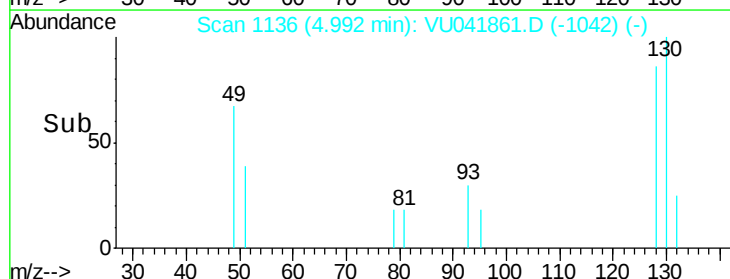
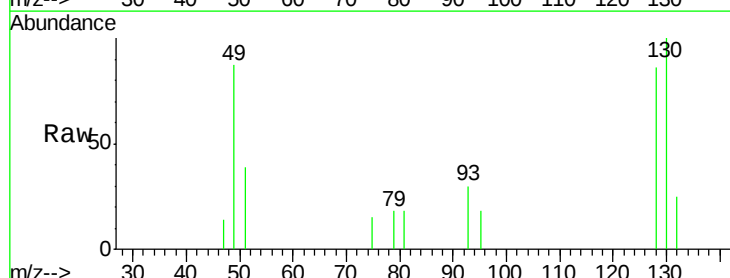
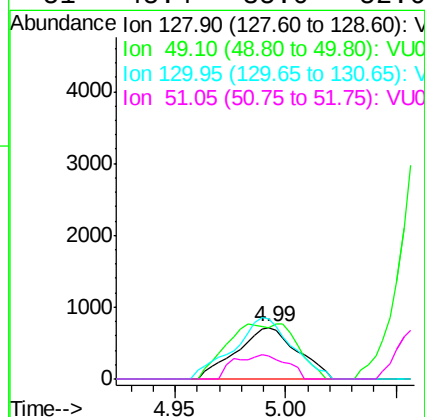
RT: 4.99 min Scan# 1136

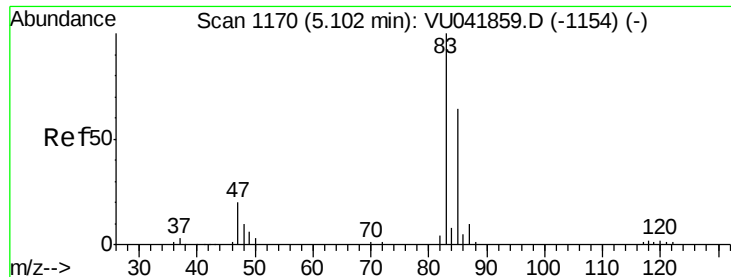
Delta R.T. 0.00 min

Lab File: VU041861.D

Acq: 06 Jan 2021 14:04

Tgt Ion:	128	Resp:	1363
Ion	Ratio	Lower	Upper
128	100		
49	101.0	96.4	179.0
130	116.7	91.2	169.4
51	45.4	35.0	52.6





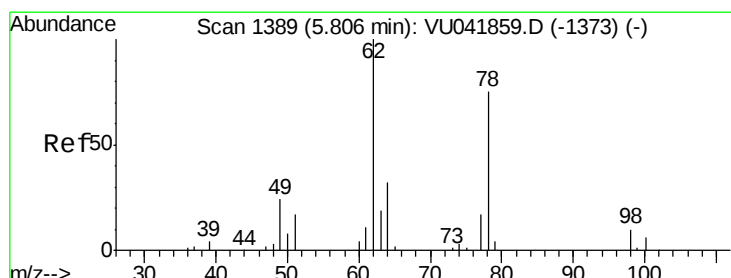
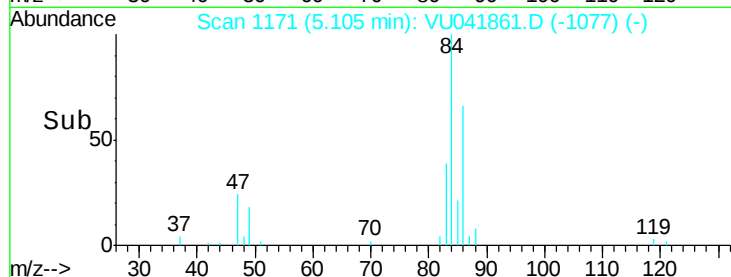
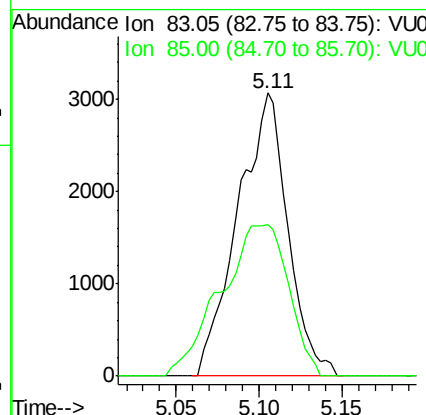
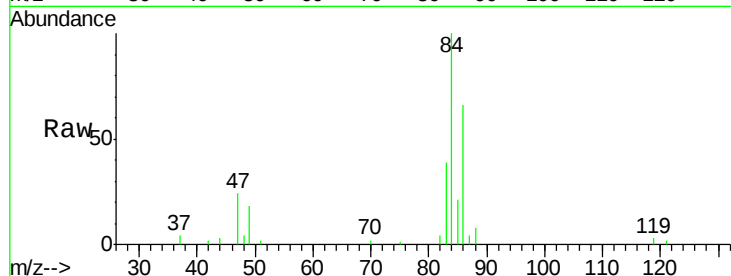
#25
Chloroform
Concen: 0.327 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041861.D
Acq: 06 Jan 2021 14:04

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2021-02

Tot Ion: 83 Resp: 6420
Ion Ratio Lower Upper
83 100
85 53.6 45.6 84.8

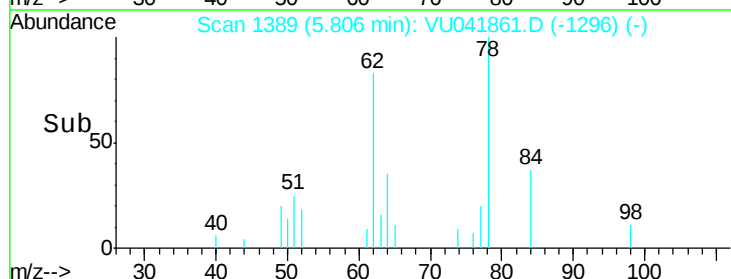
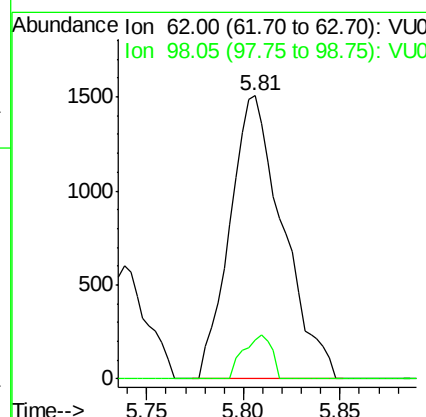
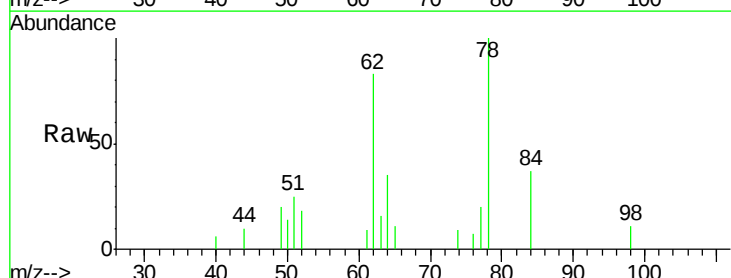
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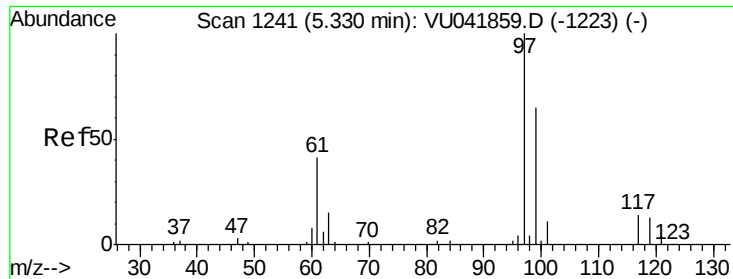
MMDadoda
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#27
1,2-Dichloroethane
Concen: 0.225 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU041861.D
Acq: 06 Jan 2021 14:04

Tgt Ion: 62 Resp: 2867
Ion Ratio Lower Upper
62 100
98 13.7 7.5 11.3#





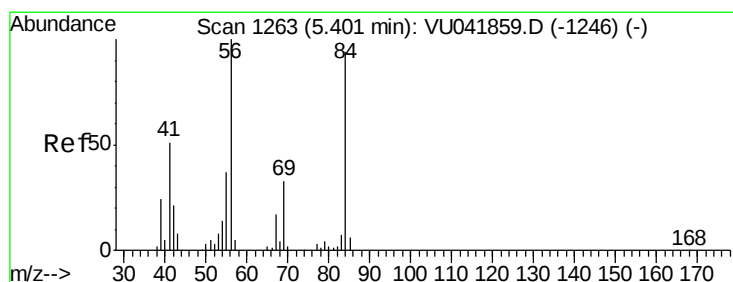
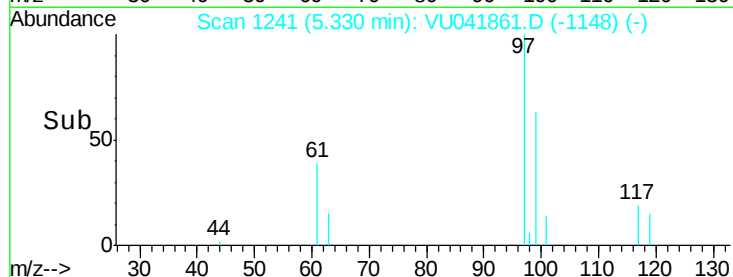
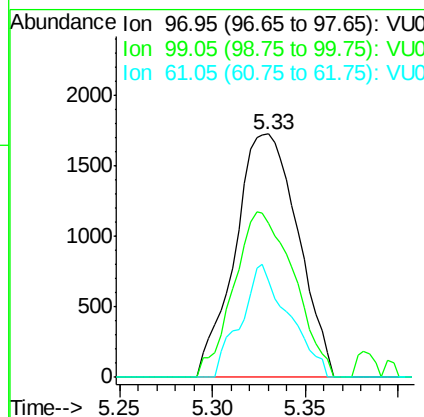
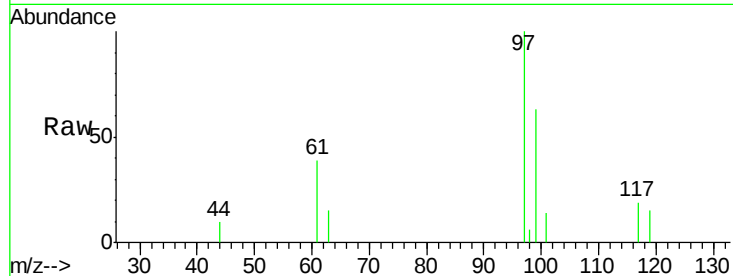
#29
1,1,1-Trichloroethane
Concen: 0.236 ug/L
RT: 5.33 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VU041861.D
Acq: 06 Jan 2021 14:04

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2021-02

Tot Ion	Ratio	Lower	Upper
97	100		
99	65.0	50.3	75.5
61	35.4	32.7	49.1

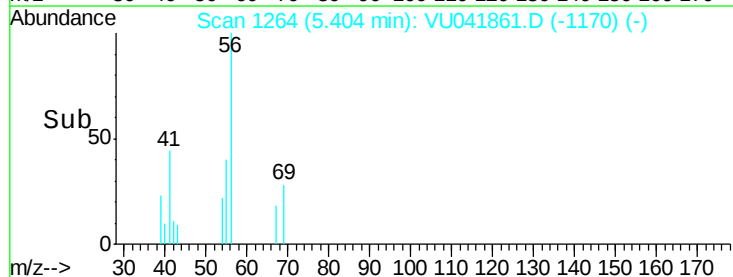
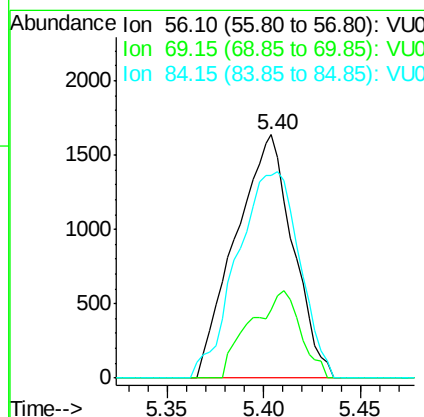
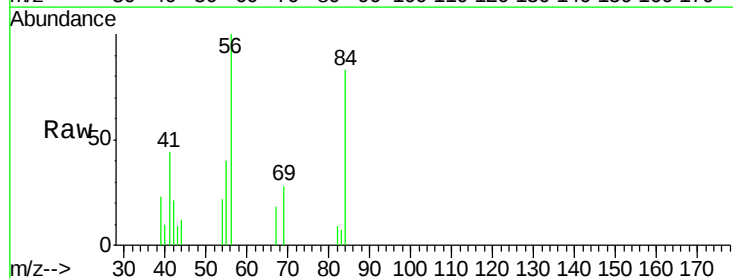
Manual Integrations
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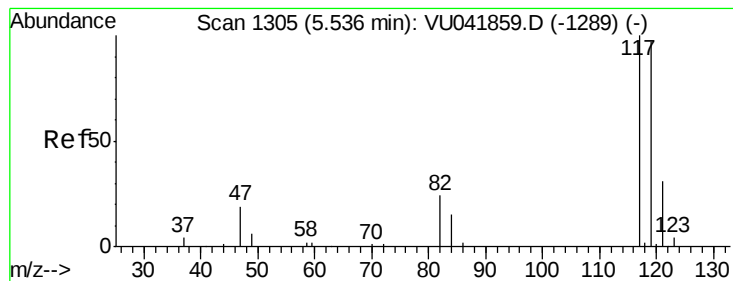
MMDadoda
1/7/2021 4:14:14 PM



#30
Cyclohexane
Concen: 0.212 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VU041861.D
Acq: 06 Jan 2021 14:04

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.2	25.2	37.8
84	91.9	76.2	114.4





#31

Carbon tetrachloride

Concen: 0.221 ug/L

RT: 5.54 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VU041861.D

Acq: 06 Jan 2021 14:04

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT1-2021-02

Tot Ion:117 Resp: 3391

Ion Ratio Lower Upper

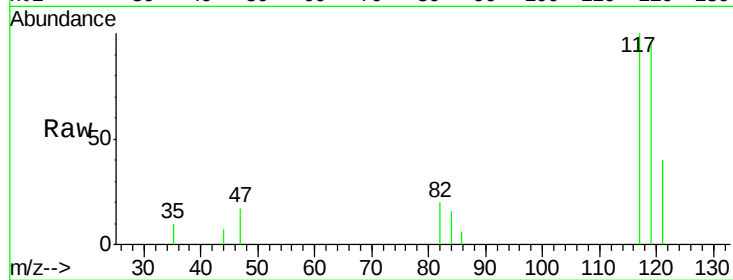
117 100

119 106.8 76.2 114.4

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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.54

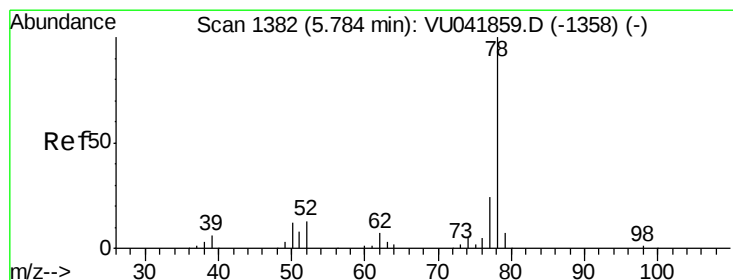
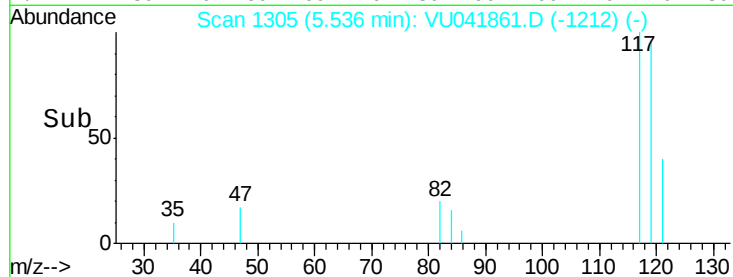
1500

1000

500

0

Time-->



#33

Benzene

Concen: 0.241 ug/L

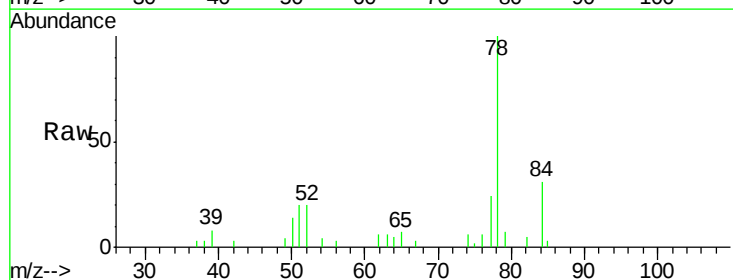
RT: 5.78 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VU041861.D

Acq: 06 Jan 2021 14:04

Tgt Ion: 78 Resp: 10384



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.78

5000

4000

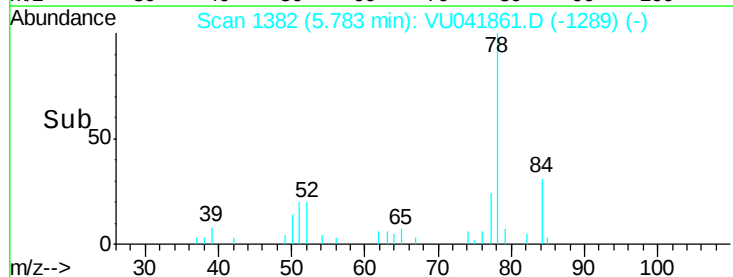
3000

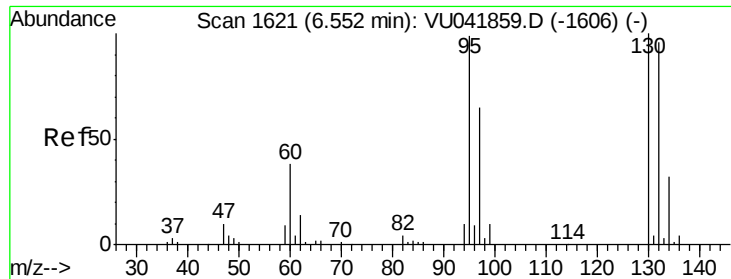
2000

1000

0

Time-->





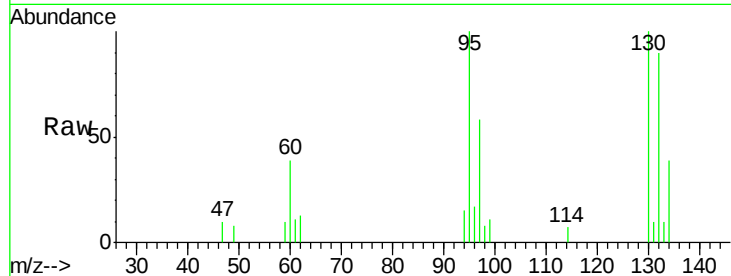
#34
 Trichloroethene
 Concen: 0.242 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU041861.D
 Acq: 06 Jan 2021 14:04

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT1-2021-02

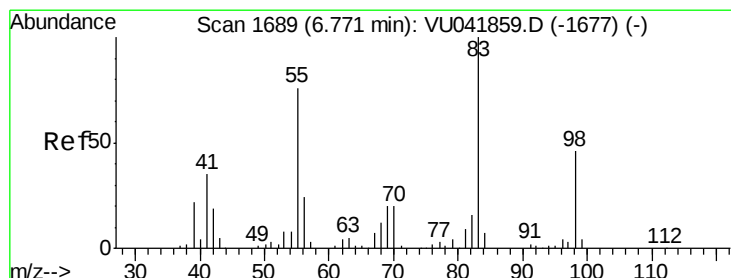
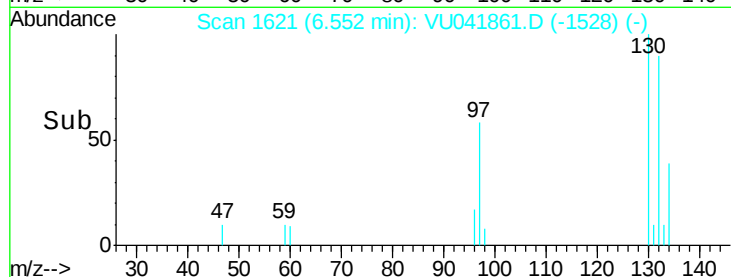
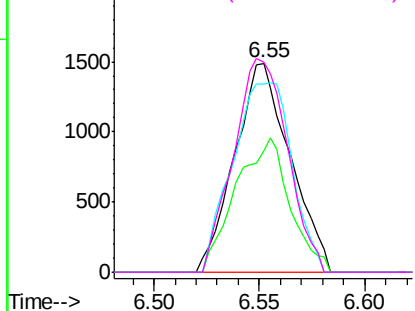
Tot Ion: 95 Resp: 2726
 Ion Ratio Lower Upper
 95 100
 97 58.2 45.8 85.2
 132 90.1 68.7 127.7
 130 100.4 70.1 130.3

Manual Integrations
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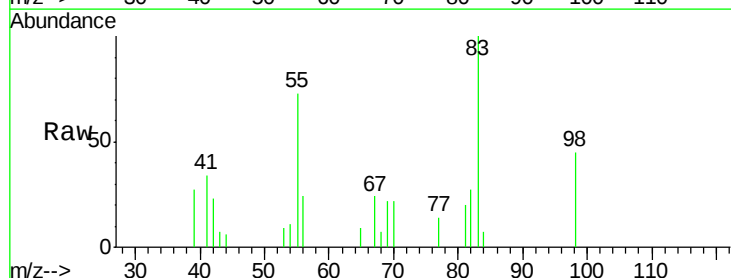


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

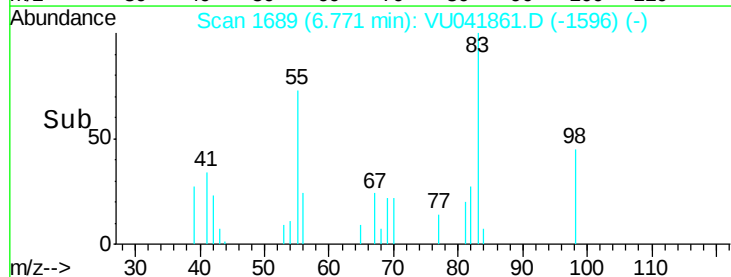
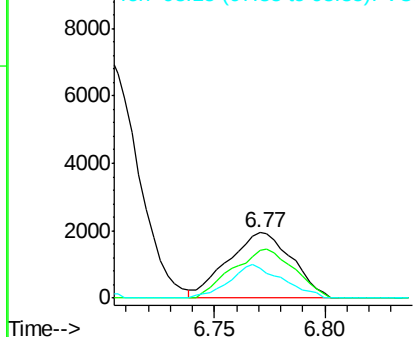


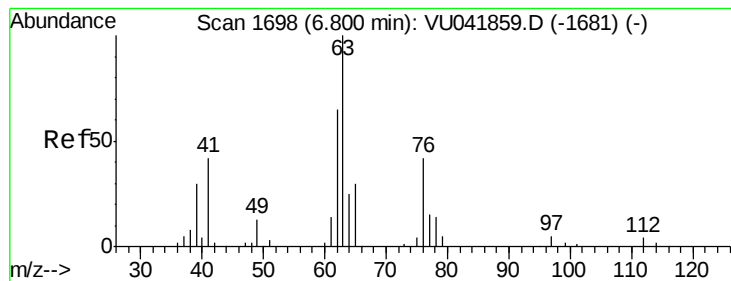
#35
 Methylcyclohexane
 Concen: 0.227 ug/L
 RT: 6.77 min Scan# 1689
 Delta R.T. -0.00 min
 Lab File: VU041861.D
 Acq: 06 Jan 2021 14:04

Tgt Ion: 83 Resp: 3920
 Ion Ratio Lower Upper
 83 100
 55 71.1 59.5 89.3
 98 42.3 37.9 56.9



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: 0.235 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU041861.D

Acq: 06 Jan 2021 14:04

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT1-2021-02

Tot Ion: 63 Resp: 2523

Ion Ratio Lower Upper

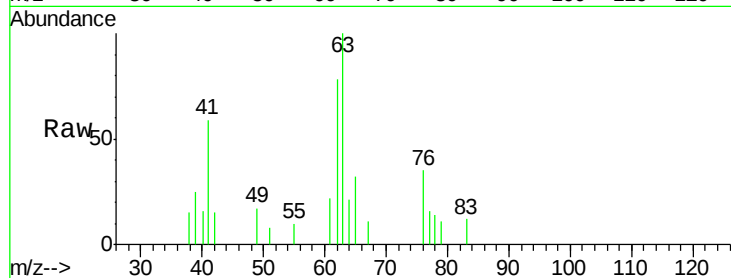
63 100

112 0.0 3.5 5.3#

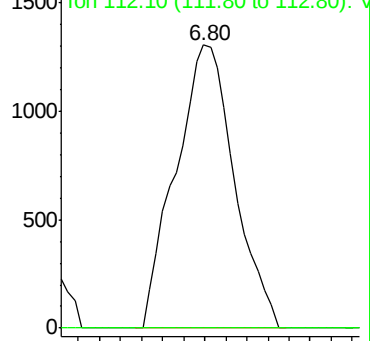
Manual Integrations
APPROVED

MMDadoda

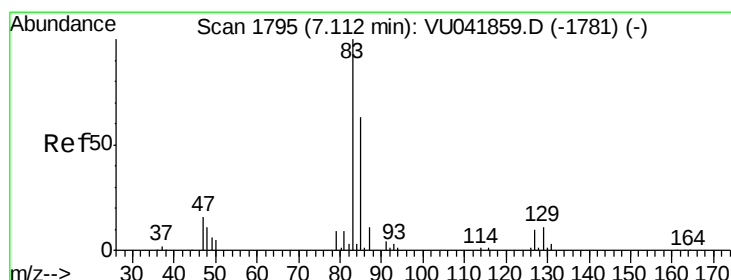
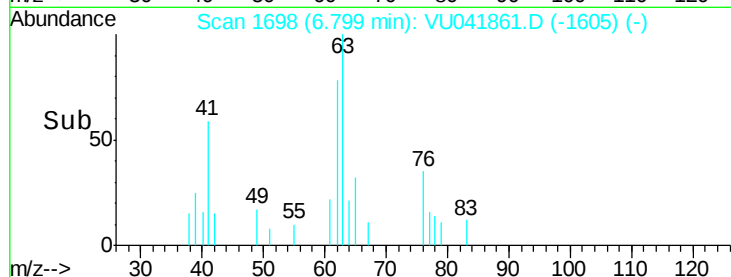
1/7/2021 4:14:14 PM



Abundance Ion 63.10 (62.80 to 63.80): VU041859.D (-1681) (-)



Time-->



#38

Bromodichloromethane

Concen: 0.247 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VU041861.D

Acq: 06 Jan 2021 14:04

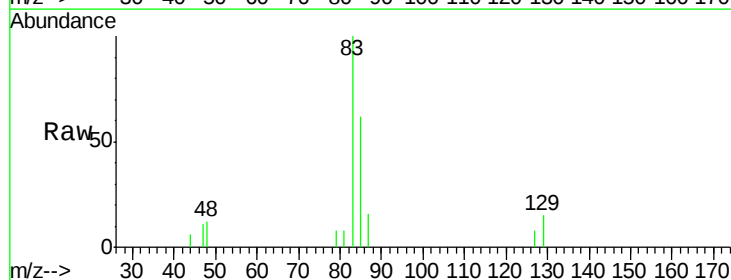
Tgt Ion: 83 Resp: 3470

Ion Ratio Lower Upper

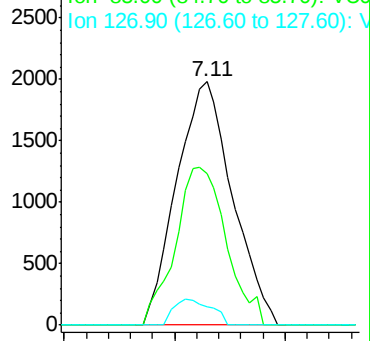
83 100

85 62.4 44.6 82.8

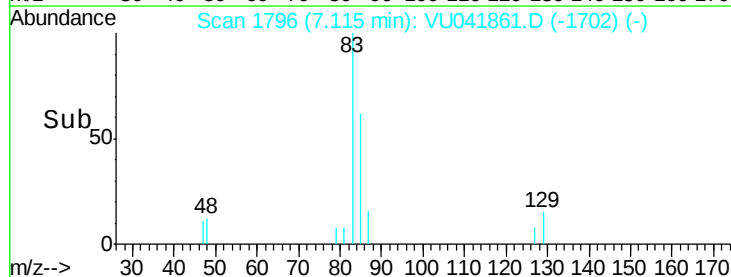
127 7.7 7.4 11.2

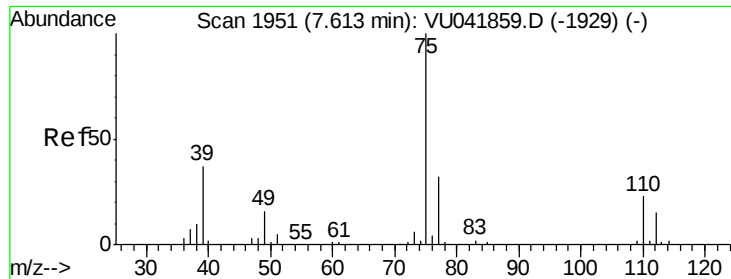


Abundance Ion 82.95 (82.65 to 83.65): VU041859.D (-1781) (-)



Time-->





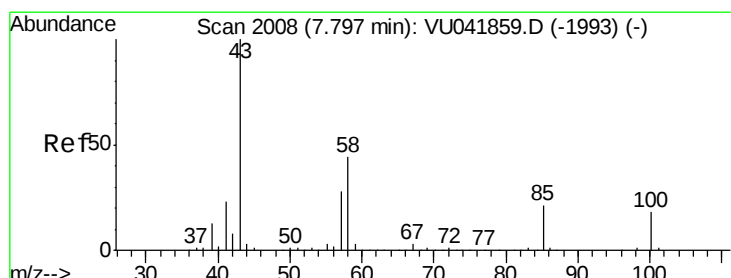
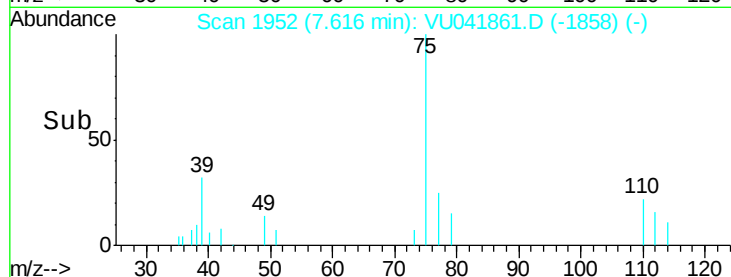
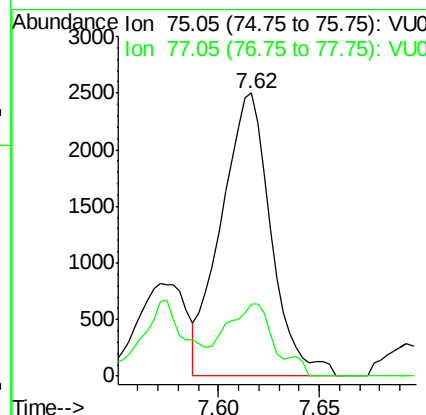
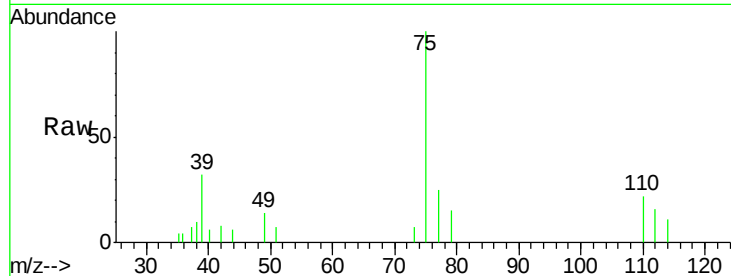
#39
 cis-1,3-Dichloropropene
 Concen: 0.267 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU041861.D
 Acq: 06 Jan 2021 14:04

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT1-2021-02

Tot Ion: 75 Resp: 4291
 Ion Ratio Lower Upper
 75 100
 77 25.4 21.8 40.6

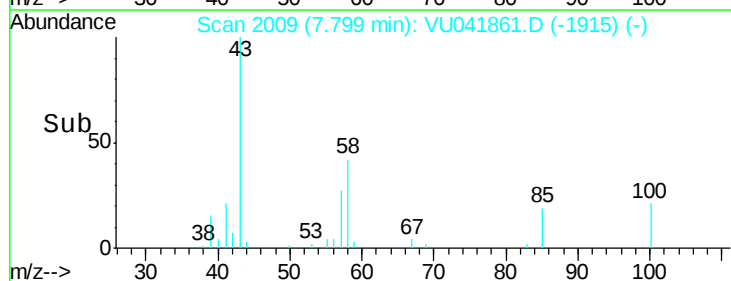
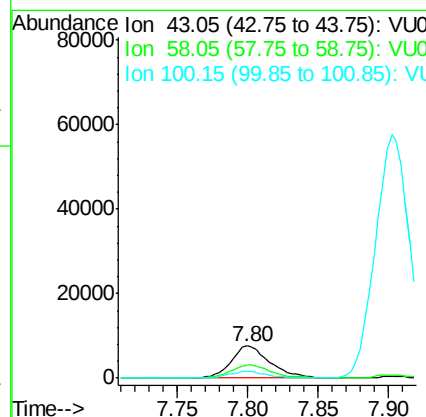
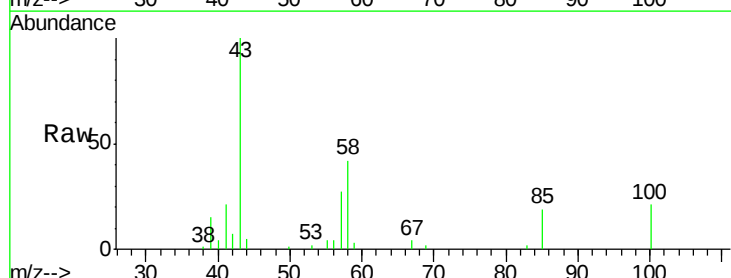
Manual Integrations
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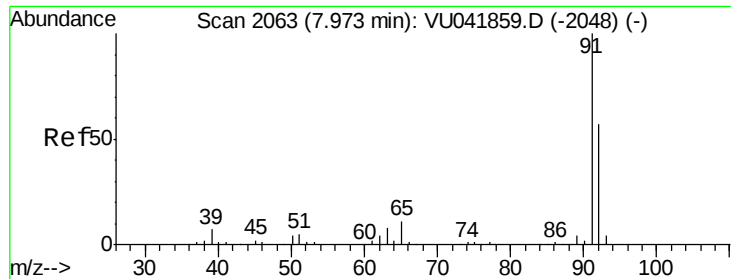
MMDadoda
 1/7/2021 4:14:14 PM



#40
 4-Methyl-2-pentanone
 Concen: 2.133 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041861.D
 Acq: 06 Jan 2021 14:04

Tgt Ion: 43 Resp: 14635
 Ion Ratio Lower Upper
 43 100
 58 43.0 35.8 53.6
 100 0.0 15.1 22.7#





#42

Toluene

Concen: 0.245 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041861.D

Acq: 06 Jan 2021 14:04

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT1-2021-02

Tot Ion: 91 Resp: 11132

Ion Ratio Lower Upper

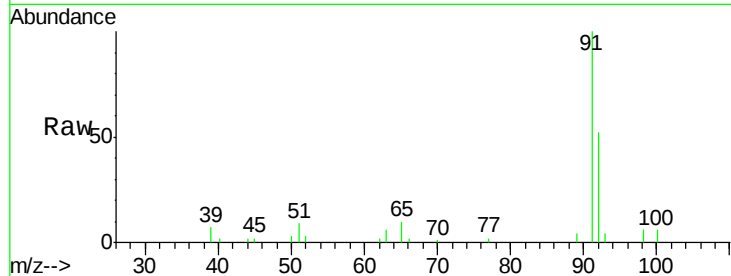
91 100

92 51.7 40.9 76.0

Manual Integrations
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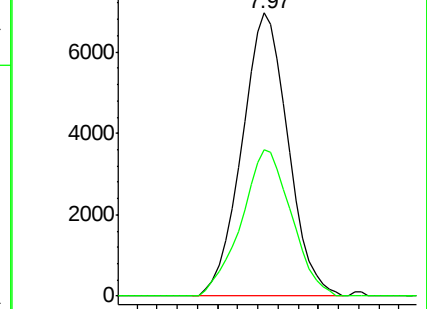
MMDadoda

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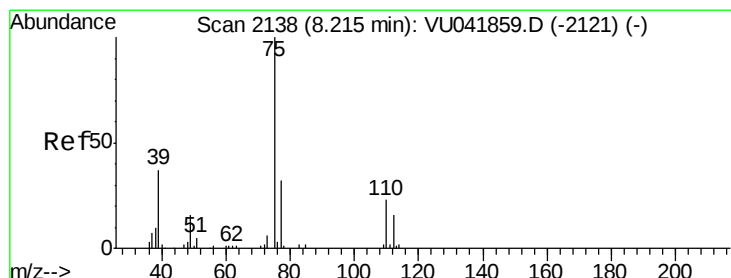
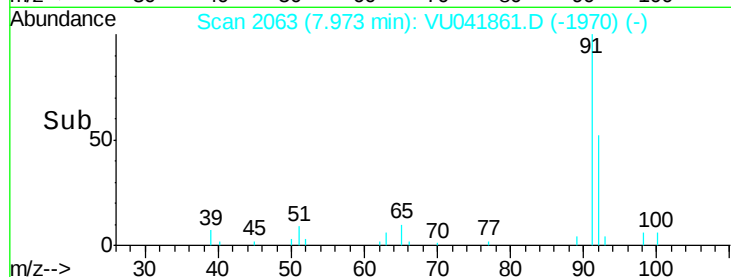


Abundance Ion 91.15 (90.85 to 91.85): VU041859.D (-2048) (-)

Ion 92.15 (91.85 to 92.85): VU041859.D (-2048) (-)



Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.222 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU041861.D

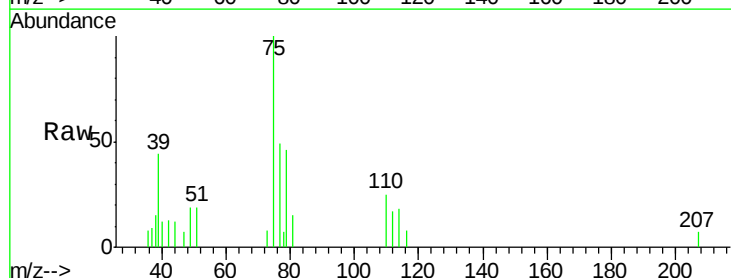
Acq: 06 Jan 2021 14:04

Tgt Ion: 75 Resp: 3267

Ion Ratio Lower Upper

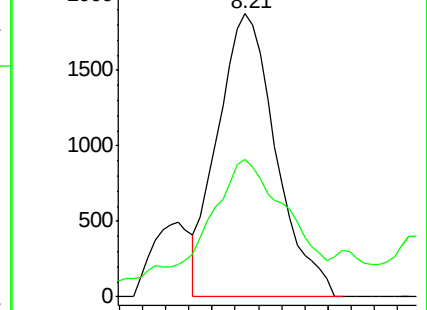
75 100

77 48.6 23.4 43.4#

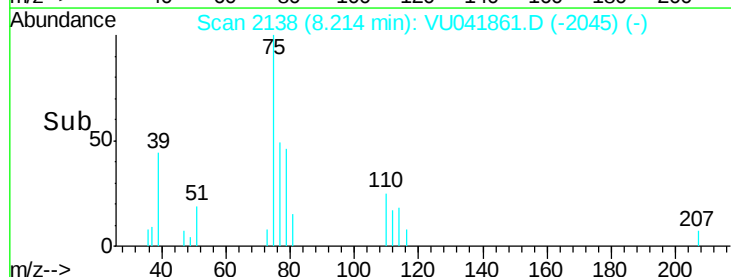


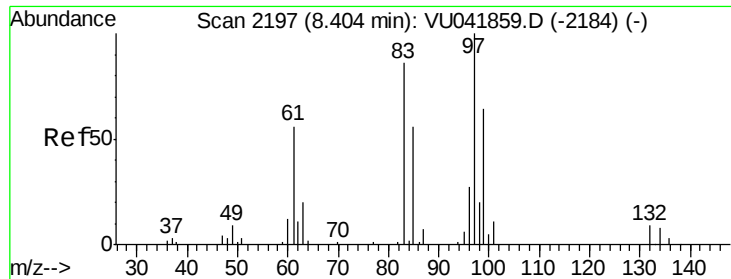
Abundance Ion 75.05 (74.75 to 75.75): VU041859.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU041859.D (-2121) (-)



Time-->





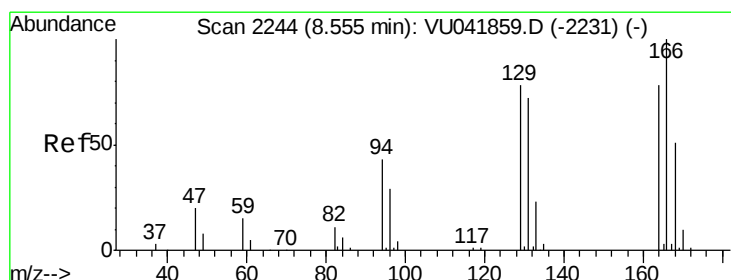
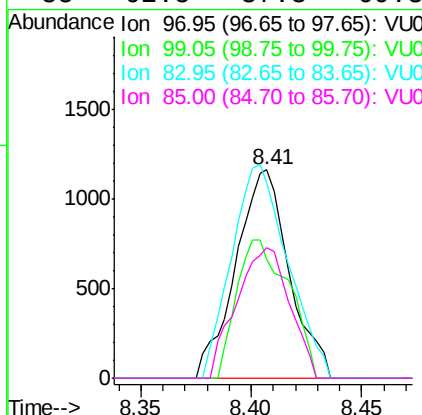
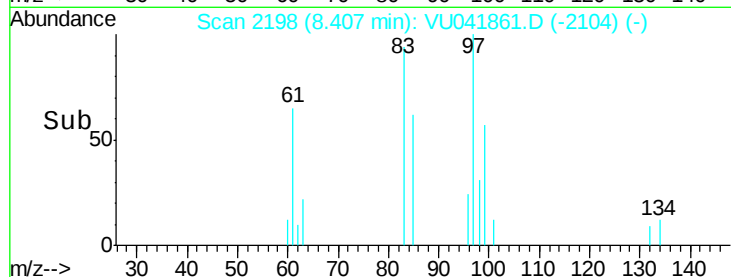
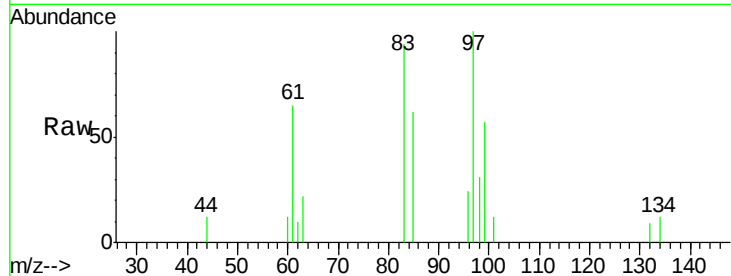
#45
1,1,2-Trichloroethane
Concen: 0.225 ug/L
RT: 8.41 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VU041861.D
Acq: 06 Jan 2021 14:04

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2021-02

Tot Ion:	97	Resp:	1955
Ion	Ratio	Lower	Upper
97	100		
99	57.3	44.2	82.0
83	94.1	60.1	111.7
85	62.5	37.3	69.3

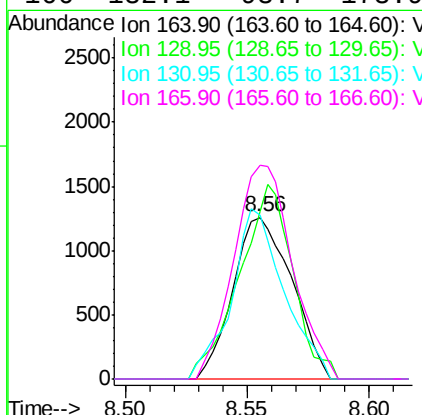
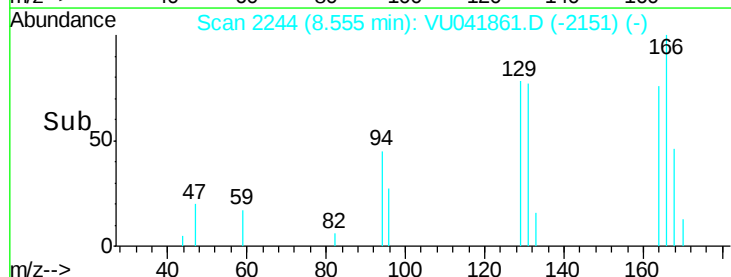
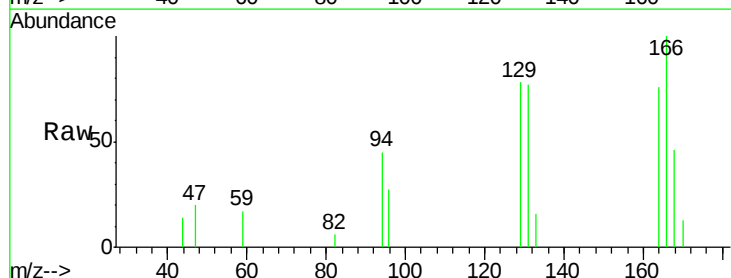
Manual Integrations
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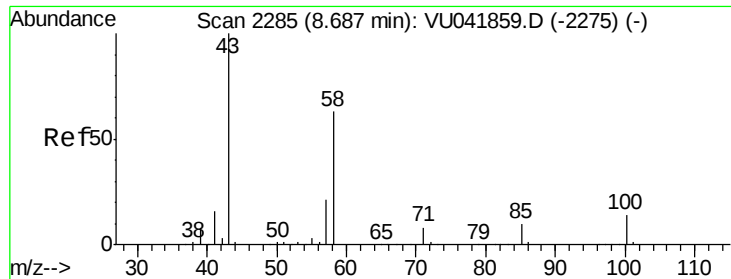
MMDadoda
1/7/2021 4:14:14 PM



#47
Tetrachloroethene
Concen: 0.239 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU041861.D
Acq: 06 Jan 2021 14:04

Tgt Ion:	164	Resp:	2110
Ion	Ratio	Lower	Upper
164	100		
129	103.5	66.6	123.8
131	101.5	65.9	122.3
166	132.1	93.7	173.9





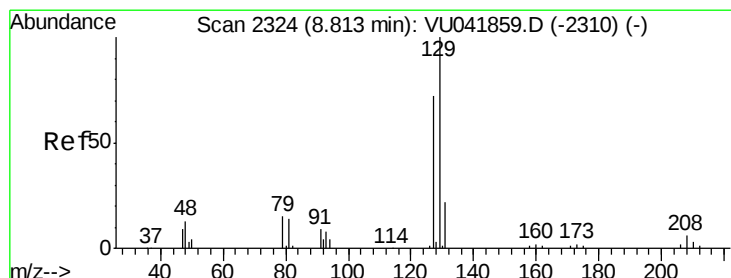
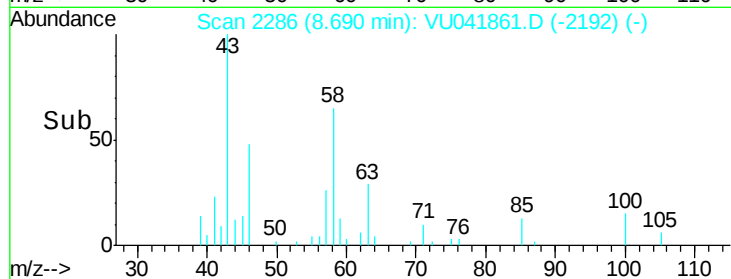
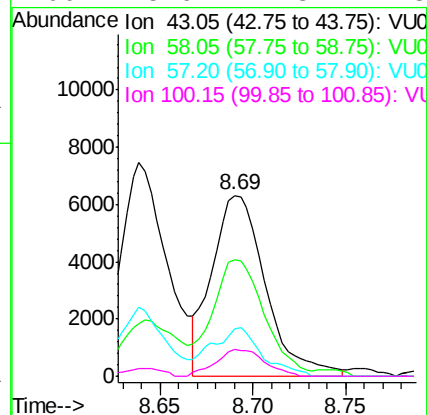
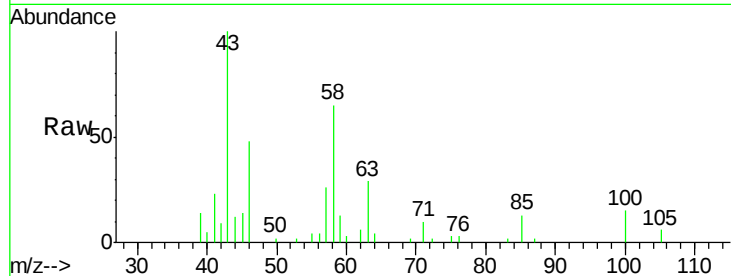
#48
2-Hexanone
Concen: 2.534 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041861.D
Acq: 06 Jan 2021 14:04

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2021-02

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.9	50.0	75.0
57	25.8	17.4	26.0
100	13.6	11.8	17.8

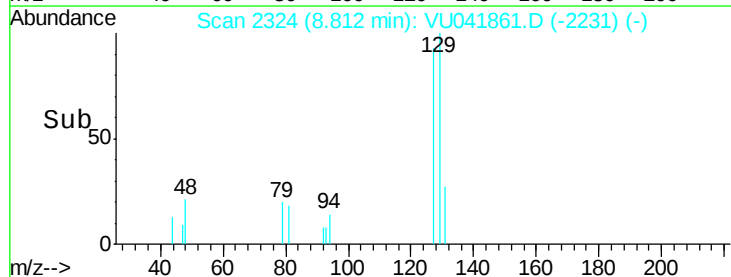
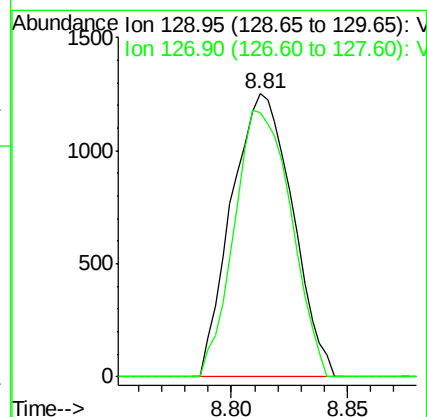
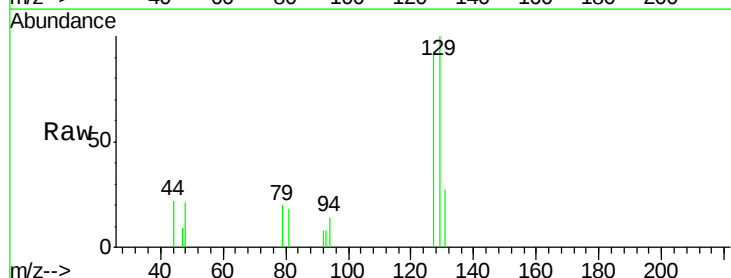
Manual Integrations
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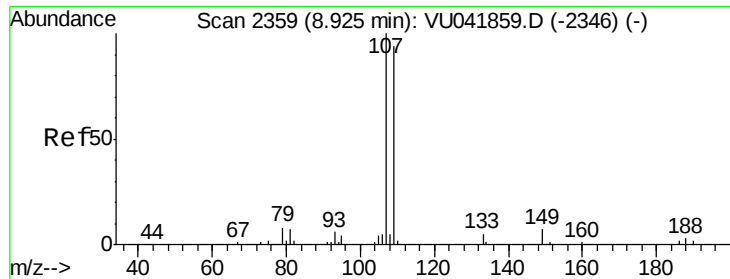
MMDadoda
1/7/2021 4:14:14 PM



#49
Dibromochloromethane
Concen: 0.219 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU041861.D
Acq: 06 Jan 2021 14:04

Tgt Ion	Ratio	Lower	Upper
129	100		
127	93.5	56.6	105.2





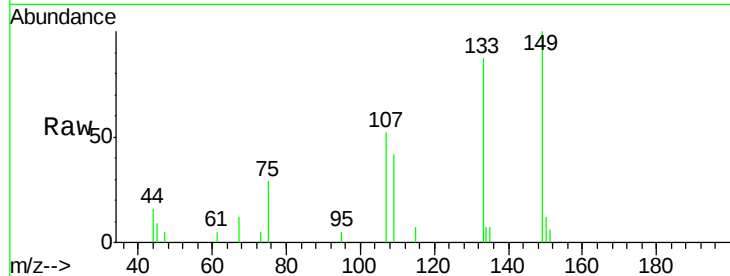
#50
1,2-Dibromoethane
Concen: 0.235 ug/L
RT: 8.92 min Scan# 2359
Delta R.T. -0.00 min
Lab File: VU041861.D
Acq: 06 Jan 2021 14:04

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2021-02

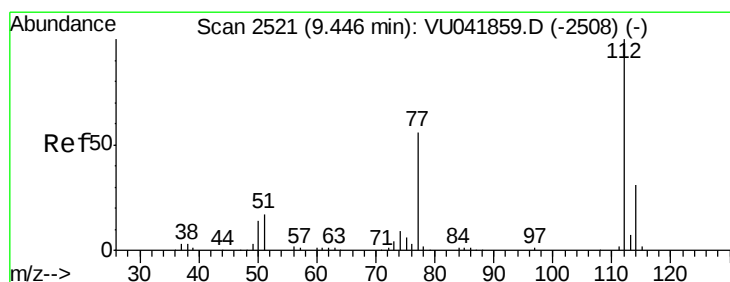
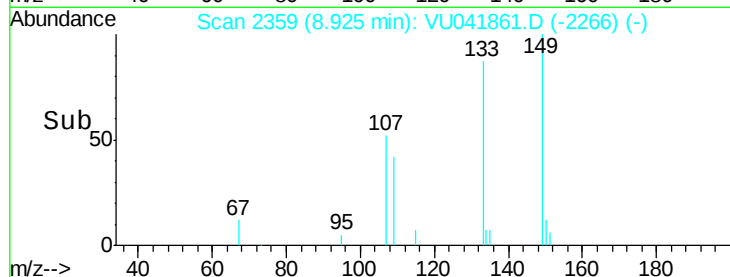
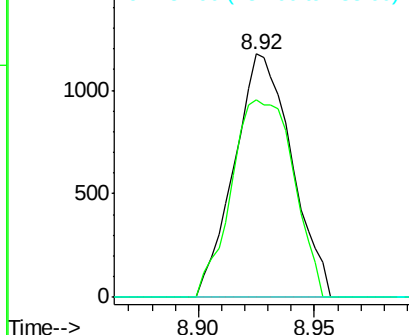
Tot Ion	Ratio	Lower	Upper
107	100		
109	81.0	65.4	121.4
188	0.0	2.5	3.7#

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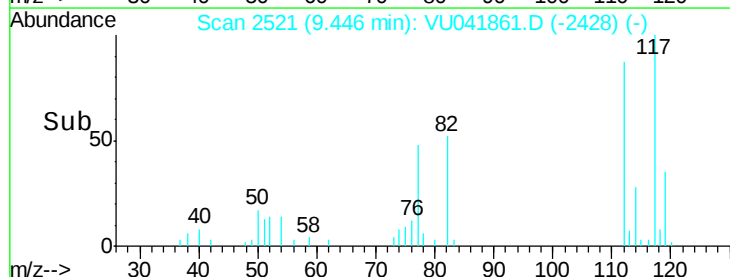
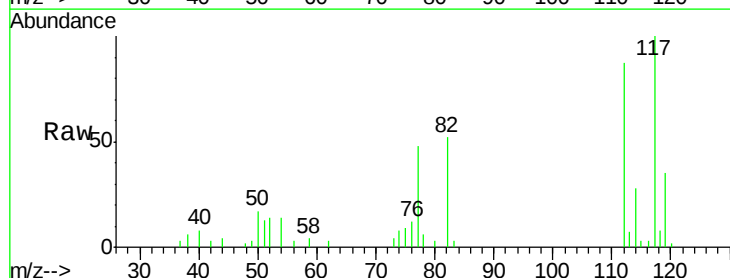
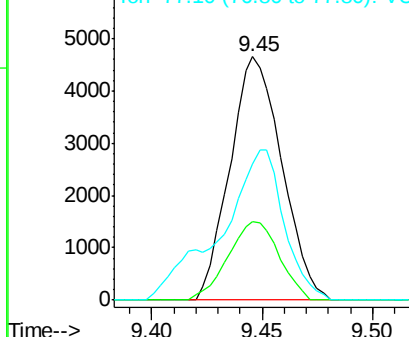
Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

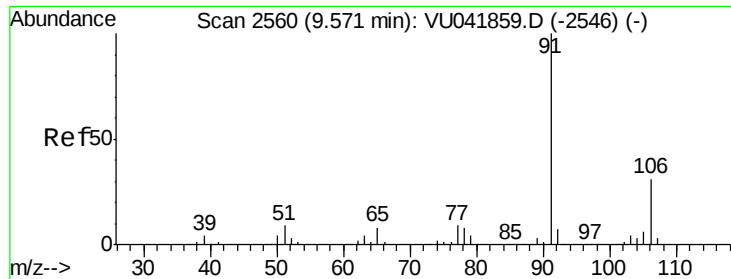


#51
Chlorobenzene
Concen: 0.254 ug/L
RT: 9.45 min Scan# 2521
Delta R.T. -0.00 min
Lab File: VU041861.D
Acq: 06 Jan 2021 14:04

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	21.9	40.7
77	55.7	45.1	67.7

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





#52

Ethylbenzene

Concen: 0.228 ug/L

RT: 9.57 min Scan# 2559

Delta R.T. -0.00 min

Lab File: VU041861.D

Acq: 06 Jan 2021 14:04

Tot Ion: 91 Resp: 10798

Ion Ratio Lower Upper

91 100

106 28.1 22.0 40.8

Instrument :

MSVOA_U

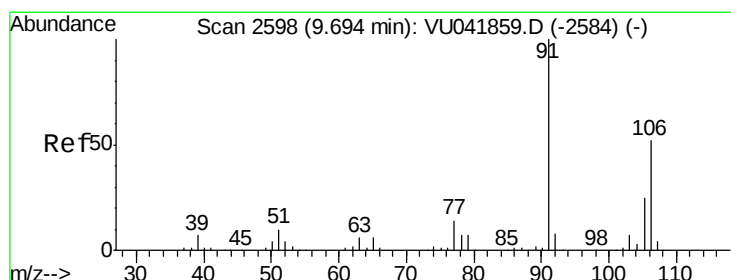
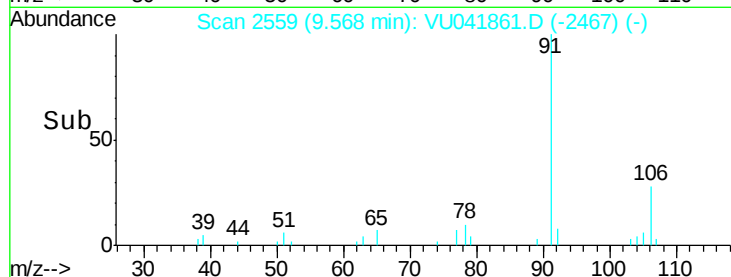
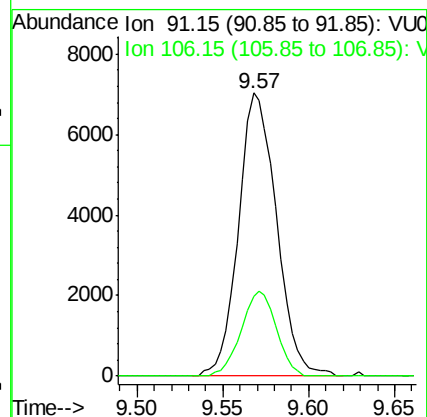
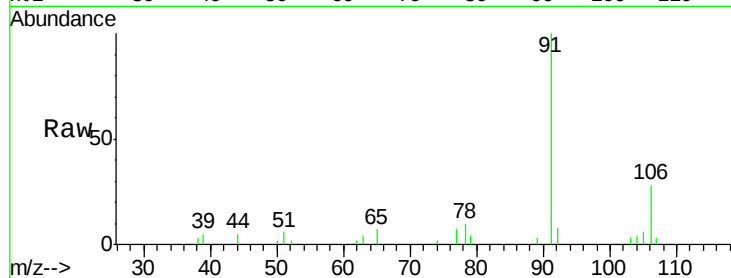
ClientSampleId :

MDL-WATER-QT1-2021-02

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#53

m,p-Xylene

Concen: 0.208 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041861.D

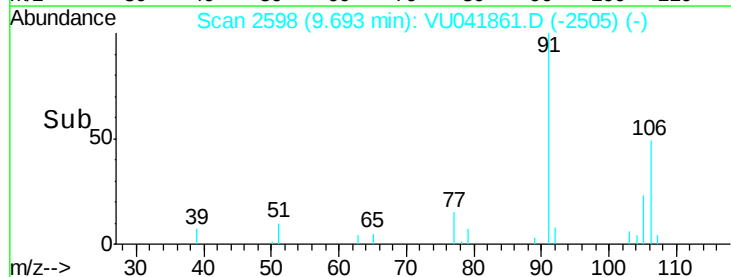
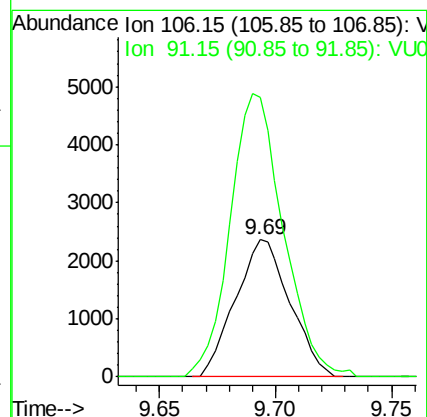
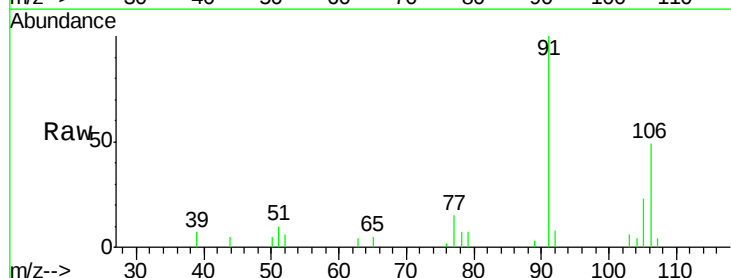
Acq: 06 Jan 2021 14:04

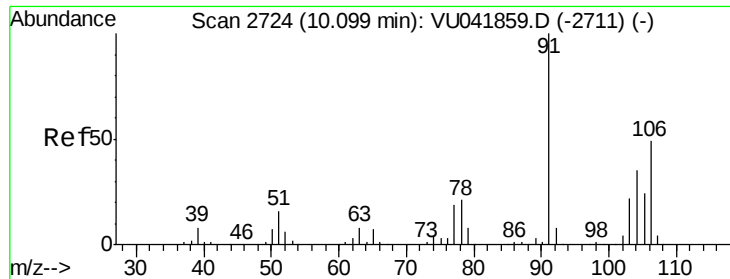
Tgt Ion: 106 Resp: 3871

Ion Ratio Lower Upper

106 100

91 203.9 137.6 255.6





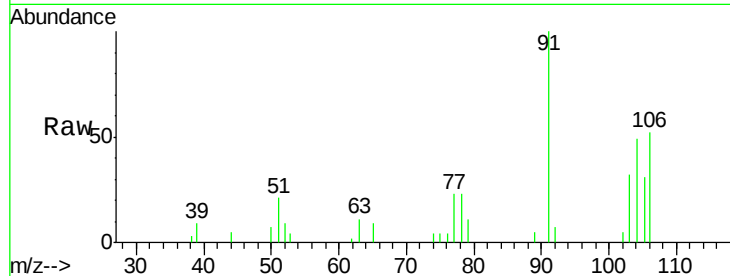
#54
o-Xylene
Concen: 0.213 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU041861.D
Acq: 06 Jan 2021 14:04

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2021-02

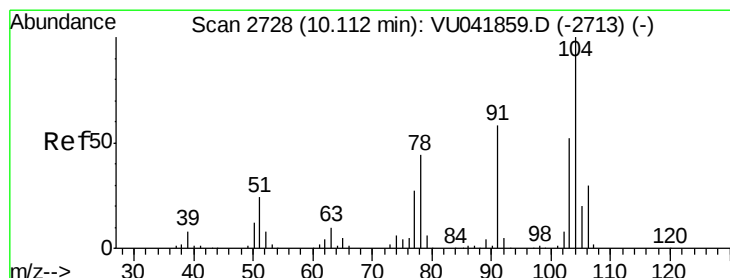
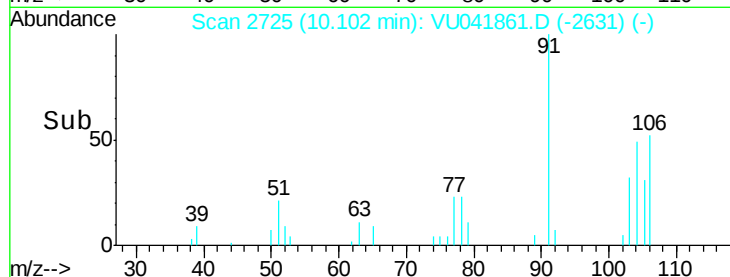
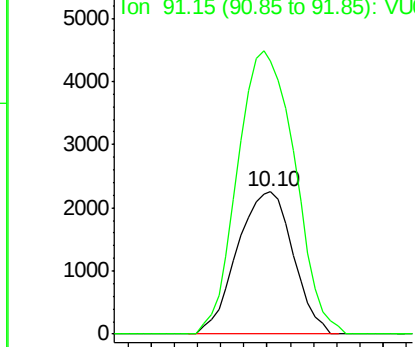
Tot Ion:106 Resp: 3770
Ion Ratio Lower Upper
106 100
91 191.8 148.5 275.9

Manual Integrations
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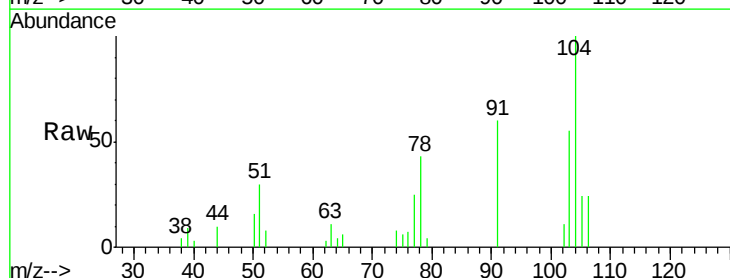


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

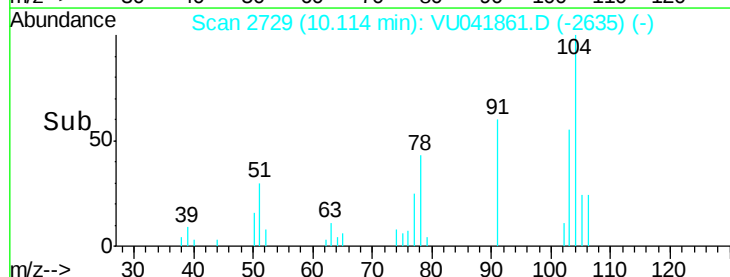
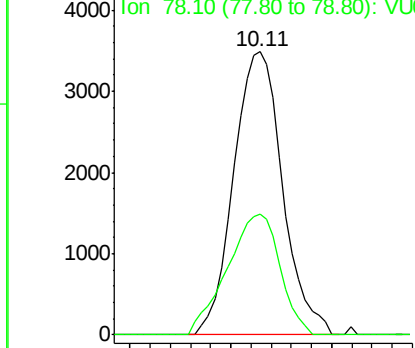


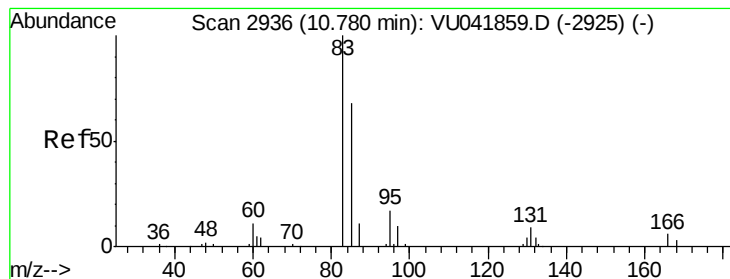
#55
Styrene
Concen: 0.194 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041861.D
Acq: 06 Jan 2021 14:04

Tgt Ion:104 Resp: 5915
Ion Ratio Lower Upper
104 100
78 42.6 32.3 60.1



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: 0.263 ug/L

RT: 10.78 min Scan# 2935

Delta R.T. -0.00 min

Lab File: VU041861.D

Acq: 06 Jan 2021 14:04

Instrument :

MSVOA_U

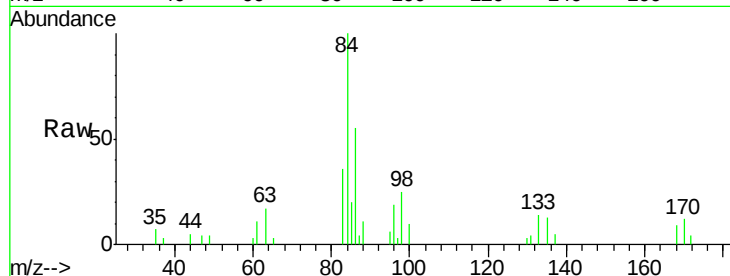
ClientSampleId :

MDL-WATER-QT1-2021-02

Tot Ion:	83	Resp:	2995
Ion	Ratio	Lower	Upper
83	100		
85	54.6	44.9	83.5
131	10.3	8.2	12.4

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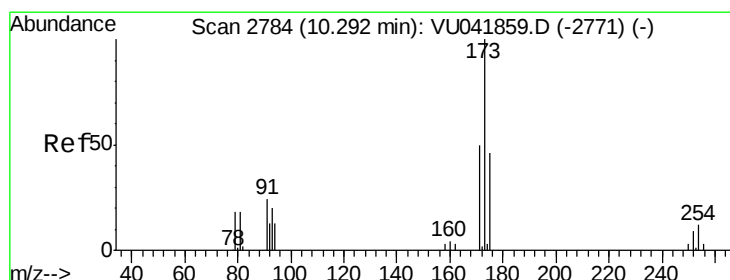
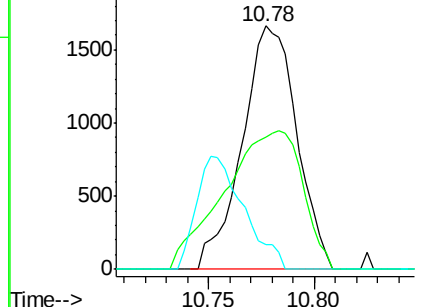
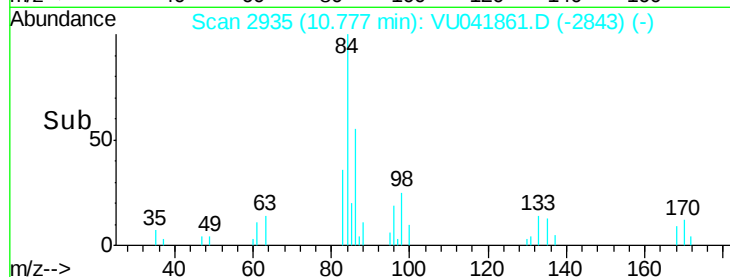


Abundance Ion 82.95 (82.65 to 83.65): VU041859.D (-2925) (-)

Ion 85.00 (84.70 to 85.70): VU041859.D (-2925) (-)

Ion 130.95 (130.65 to 131.65): VU041859.D (-2925) (-)

Time-->



#59

Bromoform

Concen: 0.256 ug/L

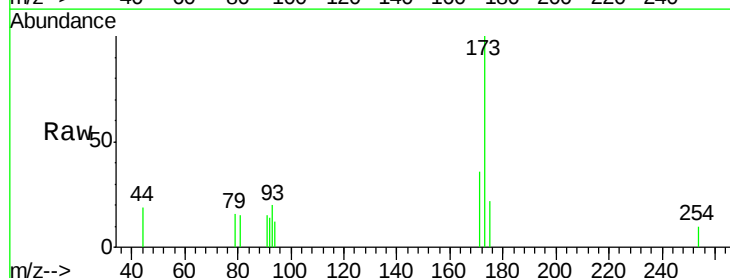
RT: 10.29 min Scan# 2783

Delta R.T. -0.00 min

Lab File: VU041861.D

Acq: 06 Jan 2021 14:04

Tgt Ion:	173	Resp:	1541
Ion	Ratio	Lower	Upper
173	100		
175	31.5	39.4	59.0#
254	1.3	8.0	12.0#

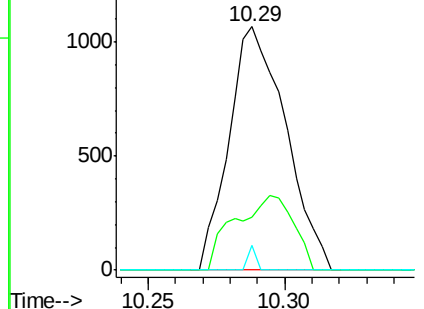
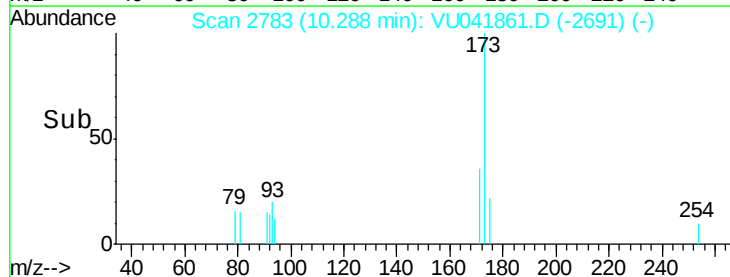


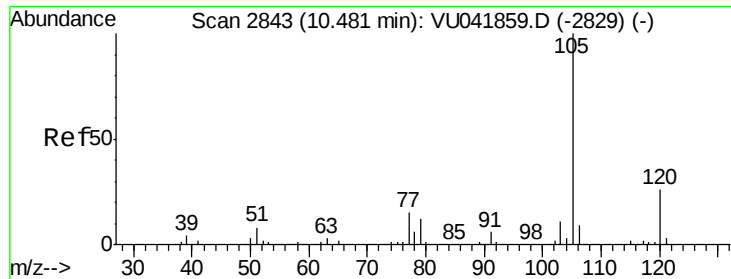
Abundance Ion 172.90 (172.60 to 173.60): VU041859.D (-2771) (-)

Ion 174.90 (174.60 to 175.60): VU041859.D (-2771) (-)

Ion 253.75 (253.45 to 254.45): VU041859.D (-2771) (-)

Time-->





#60

Isopropylbenzene

Concen: 0.215 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU041861.D

Acq: 06 Jan 2021 14:04

Instrument :

MSVOA_U

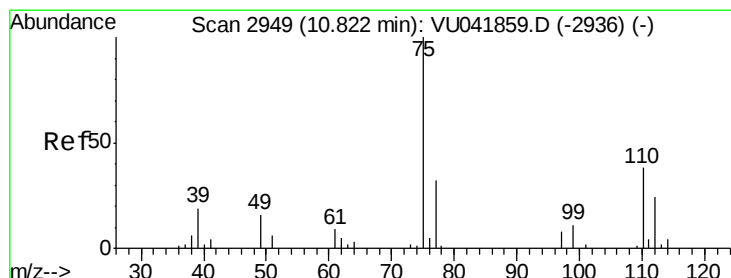
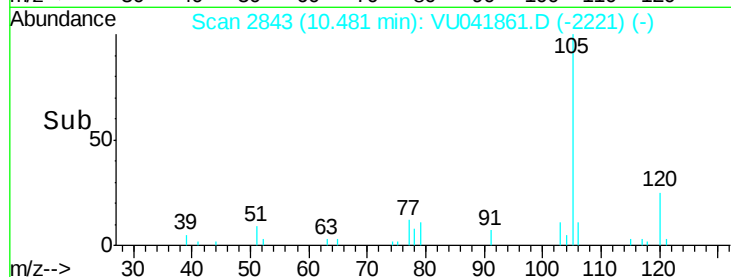
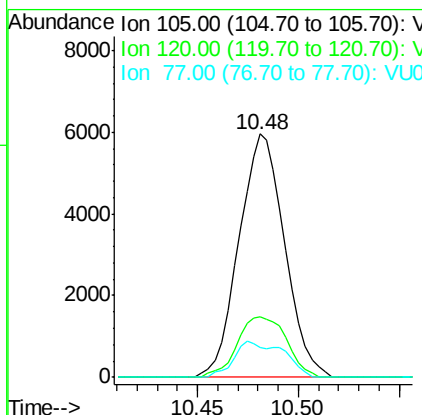
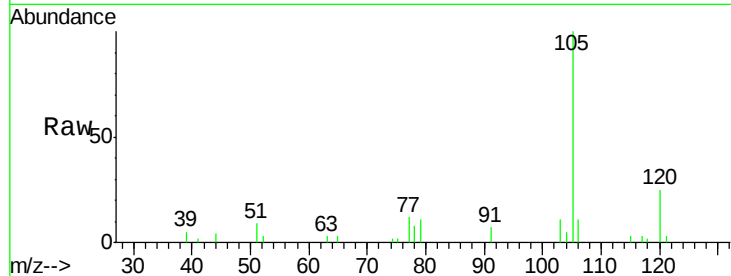
ClientSampleId :

MDL-WATER-QT1-2021-02

Tot Ion:	105	Resp:	9398
Ion Ratio	Lower	Upper	
105	100		
120	27.1	20.9	31.3
77	16.1	11.8	17.8

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#61

1,2,3-Trichloropropane

Concen: 0.272 ug/L

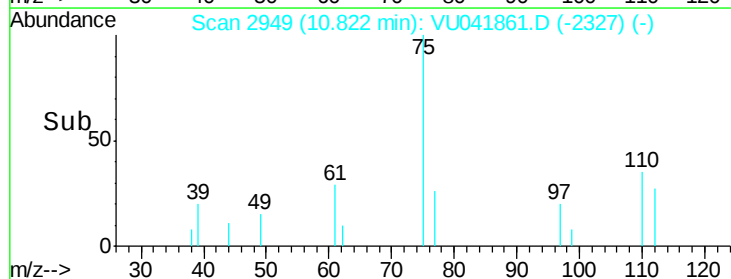
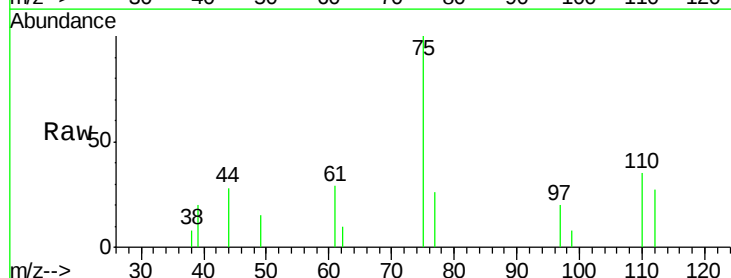
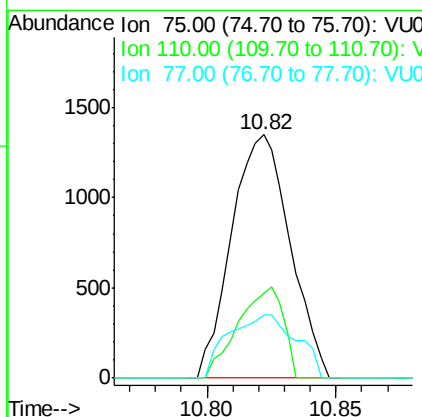
RT: 10.82 min Scan# 2949

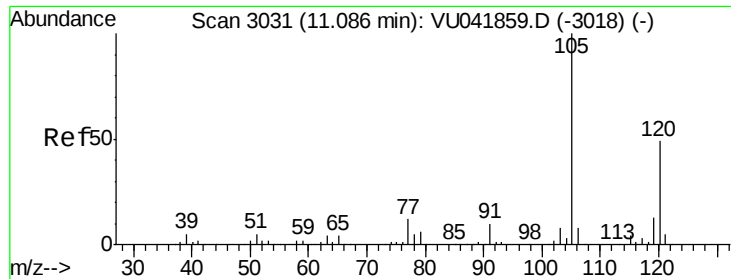
Delta R.T. -0.00 min

Lab File: VU041861.D

Acq: 06 Jan 2021 14:04

Tgt Ion:	75	Resp:	2136
Ion Ratio	Lower	Upper	
75	100		
110	28.9	31.5	47.3#
77	30.1	26.3	39.5





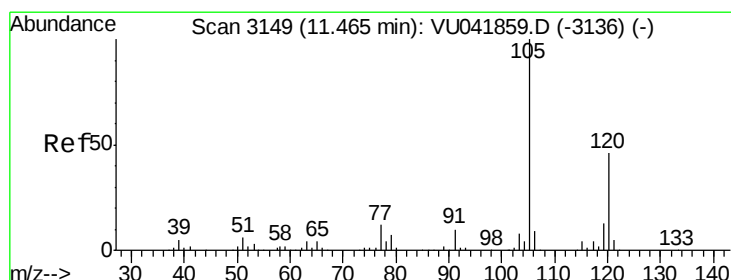
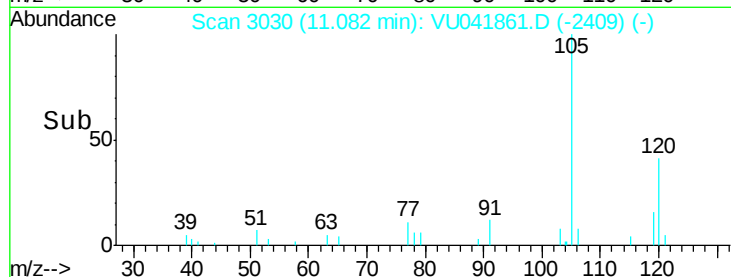
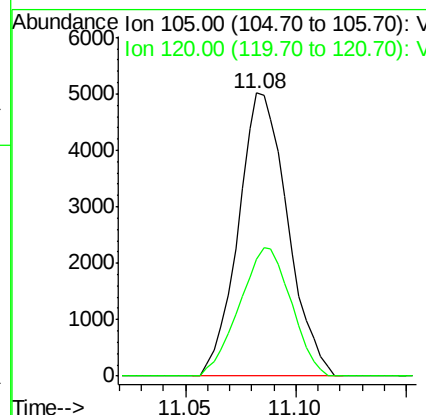
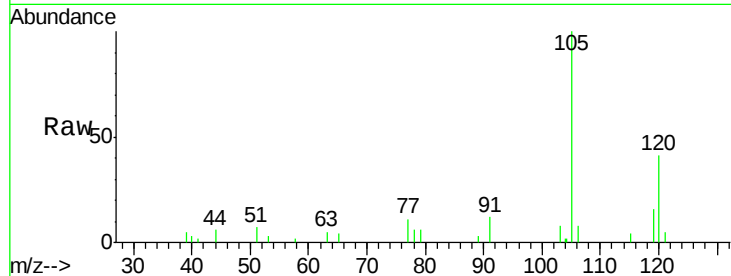
#62
 1,3,5-Trimethylbenzene
 Concen: 0.217 ug/L
 RT: 11.08 min Scan# 3030
 Delta R.T. -0.00 min
 Lab File: VU041861.D
 Acq: 06 Jan 2021 14:04

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT1-2021-02

Tot Ion:105 Resp: 7799
 Ion Ratio Lower Upper
 105 100
 120 47.5 39.5 59.3

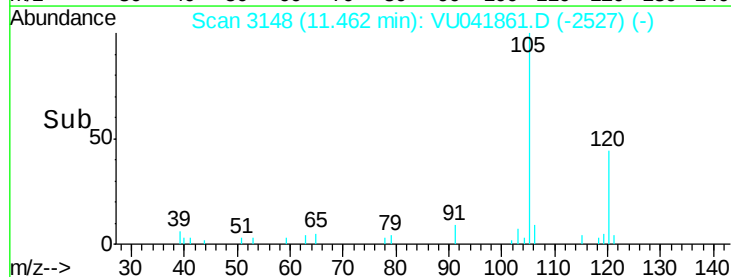
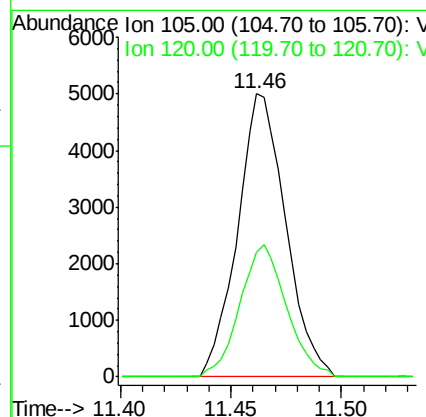
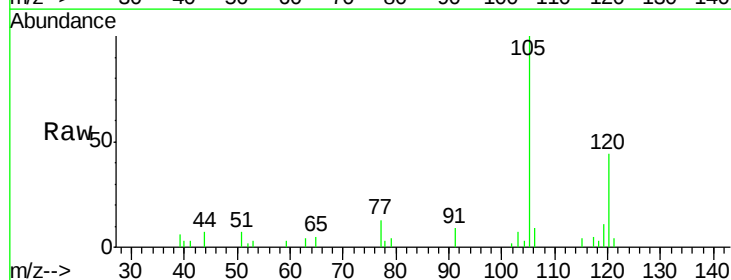
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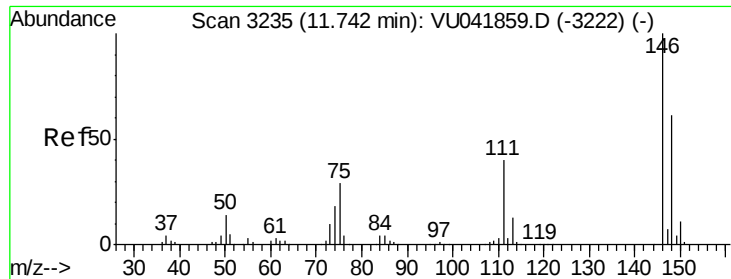
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#63
 1,2,4-Trimethylbenzene
 Concen: 0.213 ug/L
 RT: 11.46 min Scan# 3148
 Delta R.T. -0.00 min
 Lab File: VU041861.D
 Acq: 06 Jan 2021 14:04

Tgt Ion:105 Resp: 7580
 Ion Ratio Lower Upper
 105 100
 120 45.3 36.7 55.1





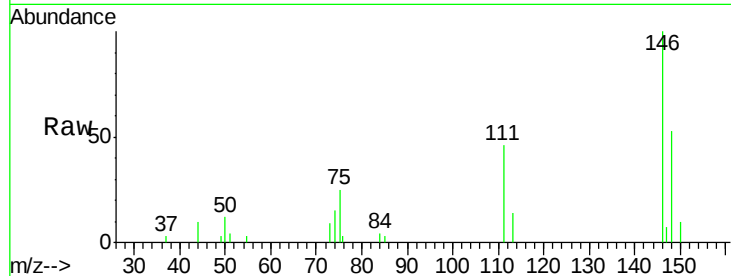
#64
 1,3-Dichlorobenzene
 Concen: 0.263 ug/L
 RT: 11.74 min Scan# 3236
 Delta R.T. 0.00 min
 Lab File: VU041861.D
 Acq: 06 Jan 2021 14:04

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT1-2021-02

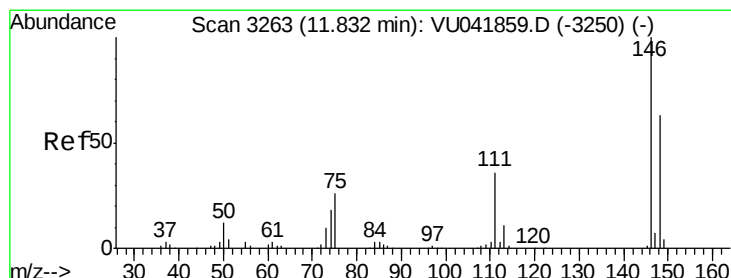
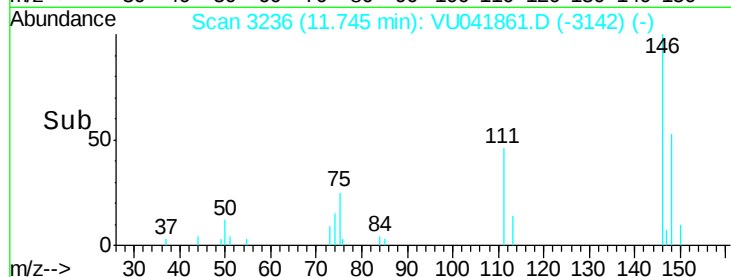
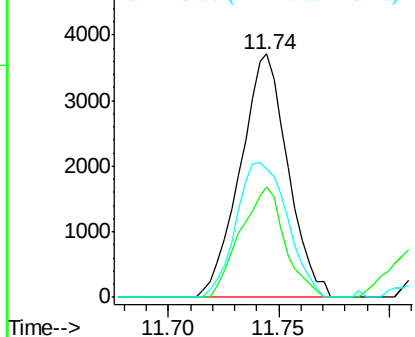
Tot Ion	Ratio	Lower	Upper
146	100		
111	45.6	27.6	51.2
148	52.9	44.9	83.3

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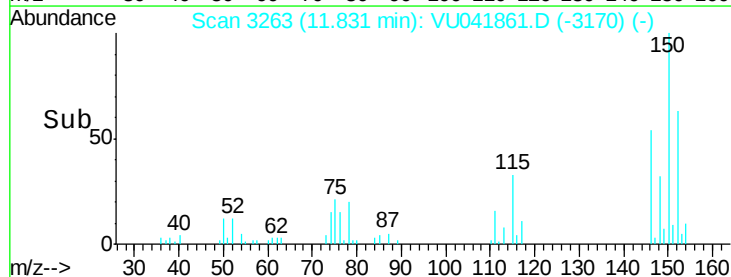
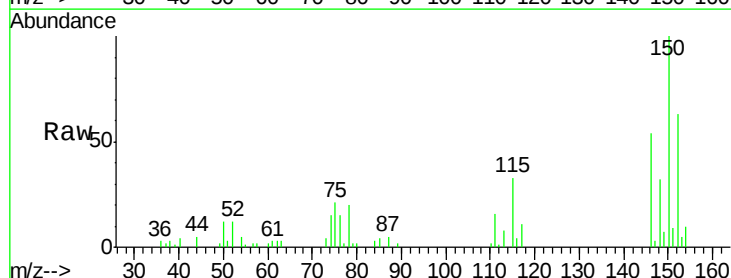
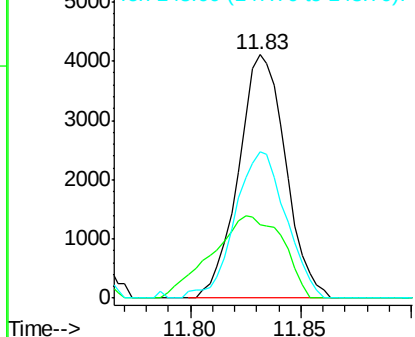
Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

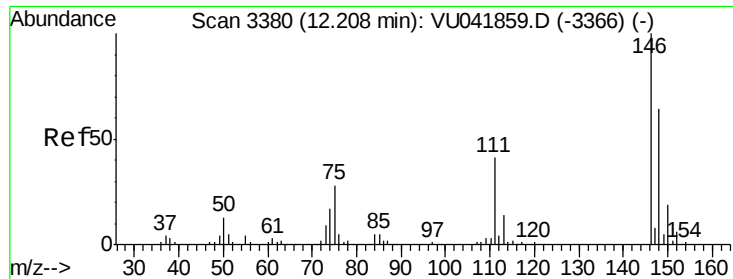


#65
 1,4-Dichlorobenzene
 Concen: 0.284 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU041861.D
 Acq: 06 Jan 2021 14:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	30.3	26.7	49.5
148	59.9	43.9	81.5

Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





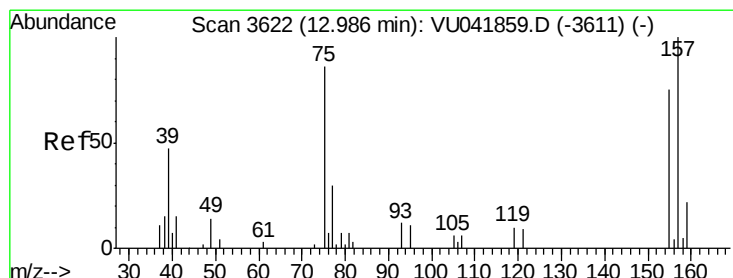
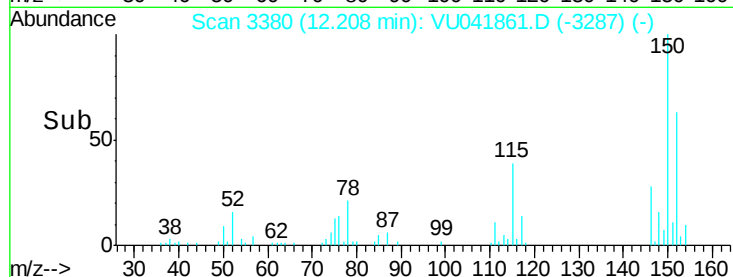
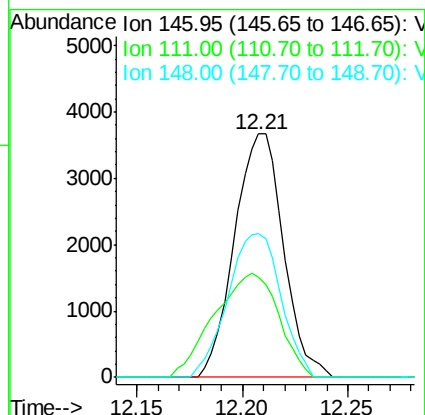
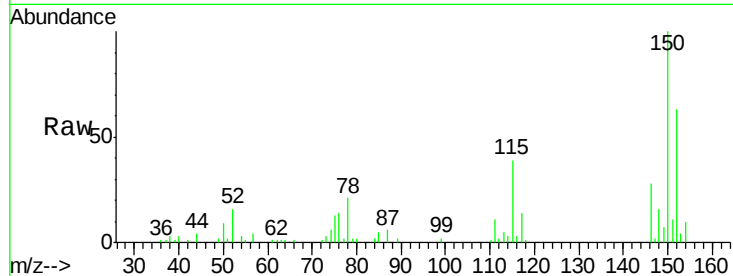
#67
 1,2-Dichlorobenzene
 Concen: 0.281 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU041861.D
 Acq: 06 Jan 2021 14:04

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT1-2021-02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	31.9	47.9
148	59.0	48.8	73.2

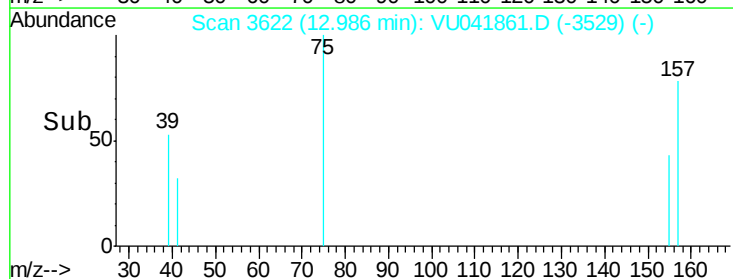
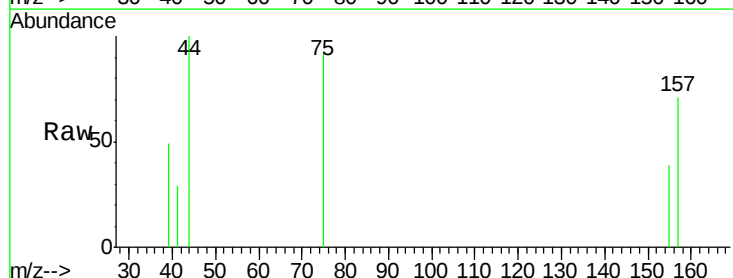
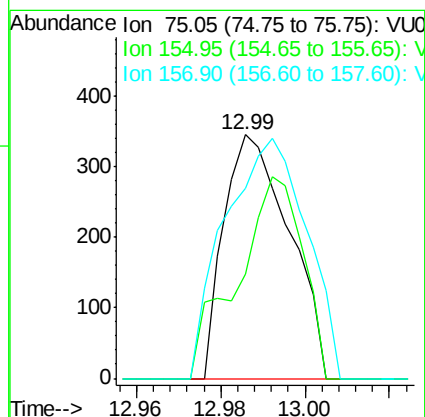
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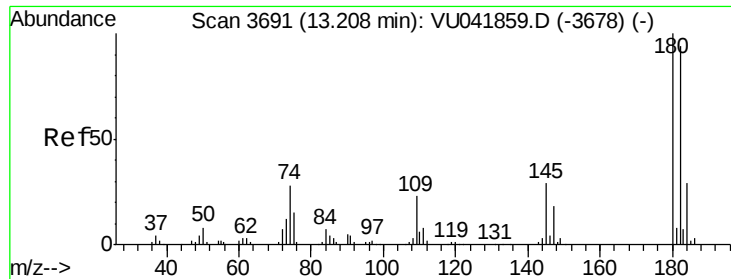
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#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.205 ug/L
 RT: 12.99 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VU041861.D
 Acq: 06 Jan 2021 14:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	42.9	67.8	101.8#
157	78.0	82.4	123.6#





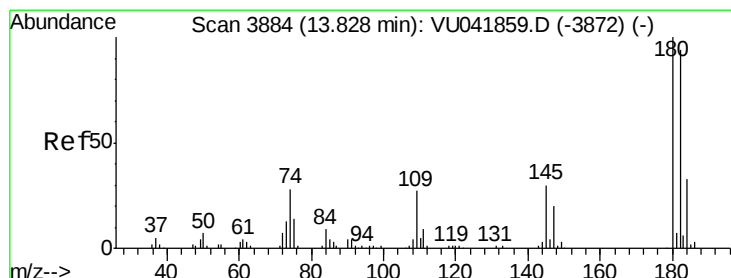
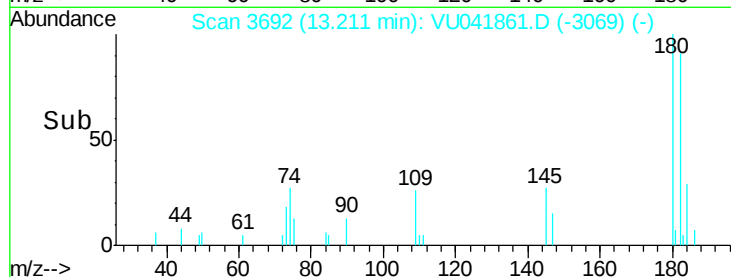
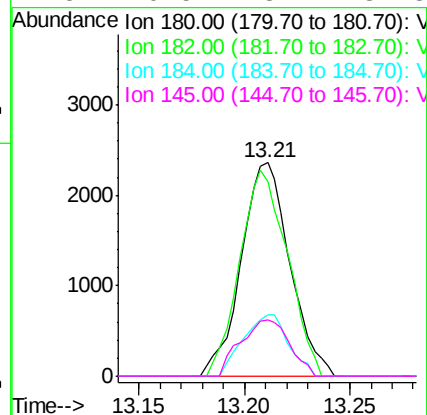
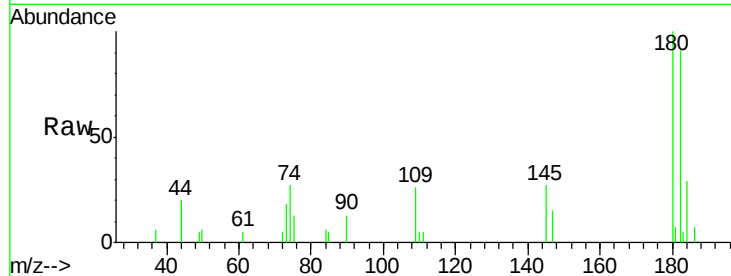
#69
 1,3,5-Trichlorobenzene
 Concen: 0.238 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041861.D
 Acq: 06 Jan 2021 14:04

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT1-2021-02

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.1	114.1
184	26.8	24.0	36.0
145	26.5	23.2	34.8

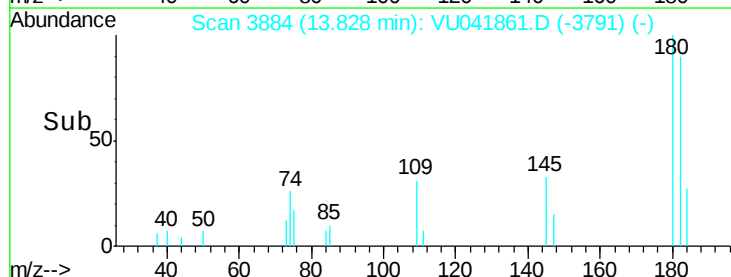
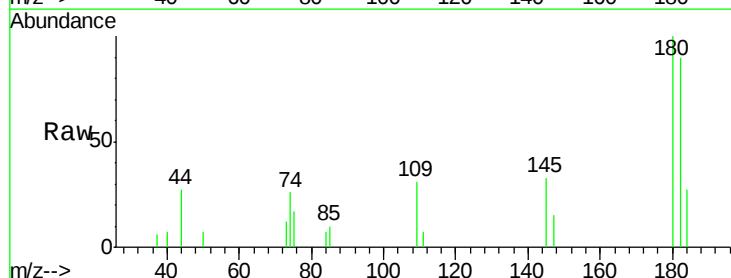
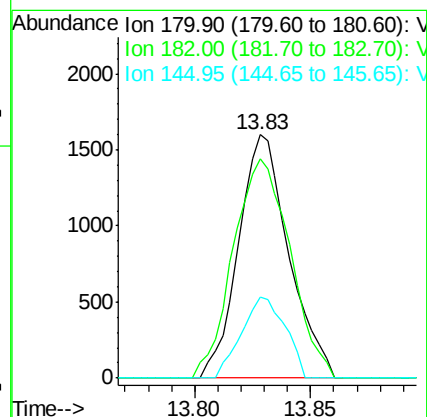
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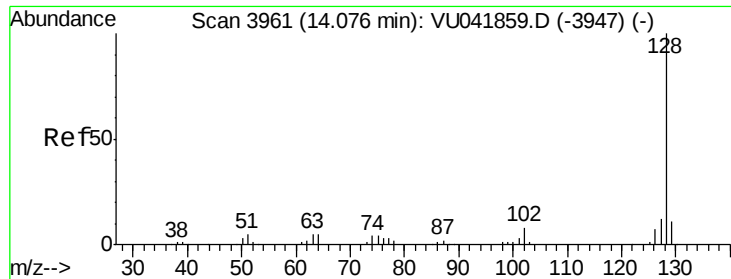
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#70
 1,2,4-trichlorobenzene
 Concen: 0.208 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU041861.D
 Acq: 06 Jan 2021 14:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	102.0	76.5	114.7
145	28.9	24.1	36.1





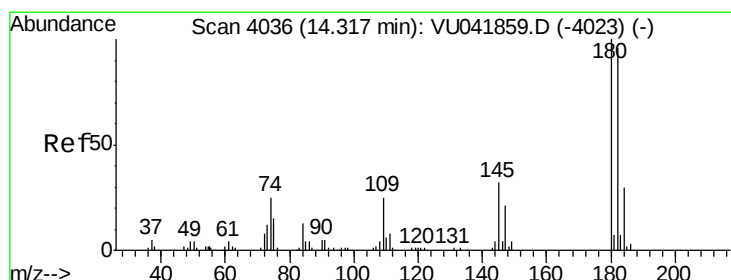
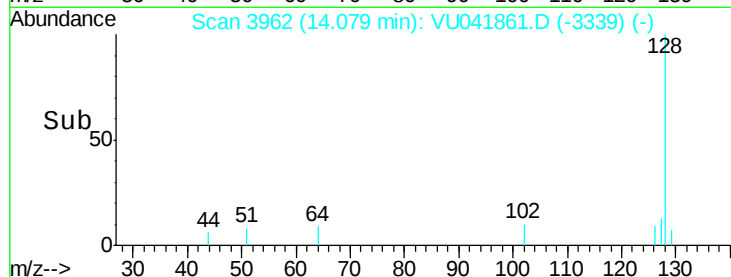
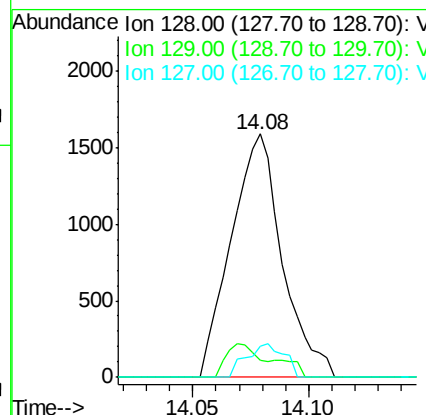
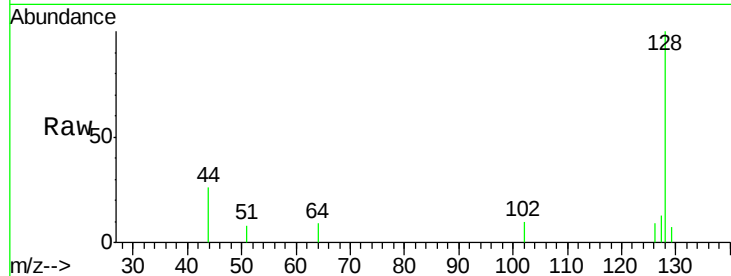
#71
Naphthalene
Concen: 0.119 ug/L
RT: 14.08 min Scan# 3962
Delta R.T. 0.00 min
Lab File: VU041861.D
Acq: 06 Jan 2021 14:04

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2021-02

Tot Ion	Ratio	Lower	Upper
128	100		
129	8.6	8.6	12.8
127	10.1	10.6	15.8#

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#72
1,2,3-Trichlorobenzene
Concen: 0.191 ug/L
RT: 14.32 min Scan# 4036
Delta R.T. -0.00 min
Lab File: VU041861.D
Acq: 06 Jan 2021 14:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.9	75.8	113.8
145	19.7	25.0	37.4#

