

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052121\
 Data File : VX022105.D
 Acq On : 21 May 2021 11:18
 Operator : JC/MD
 Sample : M2262-09 .2PPB MDL
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2021

Manual Integrations
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 5/24/2021 3:50:13 PM

Quant Time: May 22 06:40:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 22 06:22:48 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	111942	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	213765	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	186185	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	77125	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	92132	53.35	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.70%			
35) Dibromofluoromethane	5.391	113	70578	52.06	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.12%			
50) Toluene-d8	8.653	98	269411	51.59	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.18%			
62) 4-Bromofluorobenzene	11.085	95	94126	48.77	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.54%			
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	405	0.28	ug/l #	82
4) Vinyl Chloride	1.374	62	349	0.22	ug/l #	43
5) Bromomethane	1.611	94	313	0.35	ug/l #	42
6) Chloroethane	1.697	64	240	0.26	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.325	101	334	0.25	ug/l #	51
10) Methyl Iodide	2.459	142	401	0.28	ug/l #	84
11) Tert butyl alcohol	2.953	59	777	1.97	ug/l #	91
12) 1,1-Dichloroethene	2.325	96	260	0.20	ug/l	83
13) Acrolein	2.233	56	287	1.10	ug/l #	59
14) Allyl chloride	2.654	41	564	0.24	ug/l #	34
15) Acrylonitrile	3.069	53	568	0.73	ug/l #	78
16) Acetone	2.386	43	1012	1.35	ug/l #	78
17) Carbon Disulfide	2.508	76	841	0.25	ug/l #	75
18) Methyl Acetate	2.709	43	575	0.29	ug/l #	47
20) Methylene Chloride	2.788	84	628	0.38	ug/l #	86
23) Vinyl Acetate	3.733	43	3374	0.77	ug/l	97
25) 2-Butanone	4.568	43	1093	0.90	ug/l #	83
29) Tetrahydrofuran	5.013	42	752m	1.04	ug/l	
39) Methylcyclohexane	7.367	83	463	0.21	ug/l #	19
42) 1,2-Dichloroethane	6.086	62	465	0.22	ug/l #	73
43) Isopropyl Acetate	6.348	43	807	0.20	ug/l #	57
48) Methyl methacrylate	7.696	41	416	0.23	ug/l #	81
49) 1,4-Dioxane	7.696	88	19	0.53	ug/l #	1
51) 4-Methyl-2-Pentanone	8.580	43	1913	0.81	ug/l #	84
58) 2-Chloroethyl Vinyl ether	8.244	63	1001	0.73	ug/l	91
59) 2-Hexanone	9.433	43	1373	0.77	ug/l	75
68) m/p-Xylenes	10.311	106	959	0.36	ug/l	84
76) 1,2,3-Trichloropropane	11.250	75	454m	0.24	ug/l	
88) 1,4-Dichlorobenzene	12.043	146	631m	0.23	ug/l	

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

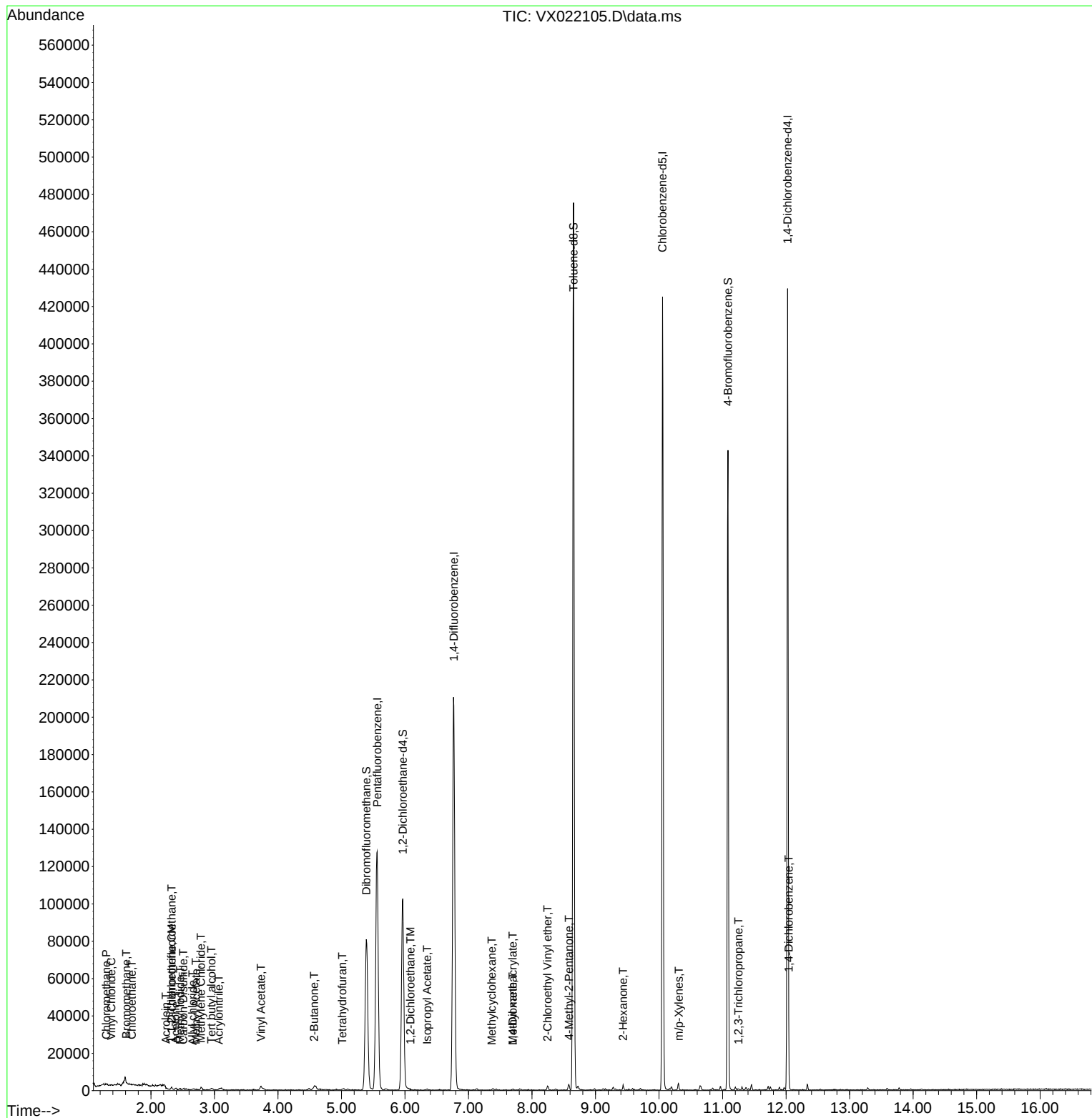
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Data File : VX022105.D
Acq On : 21 May 2021 11:18
Operator : JC/MD
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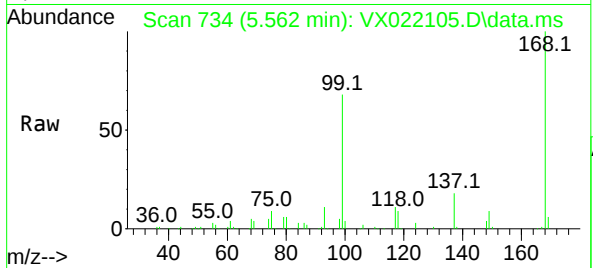
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Quant Time: May 22 06:40:10 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
Quant Title : SW846 8260
QLast Update : Sat May 22 06:22:48 2021
Response via : Initial Calibration

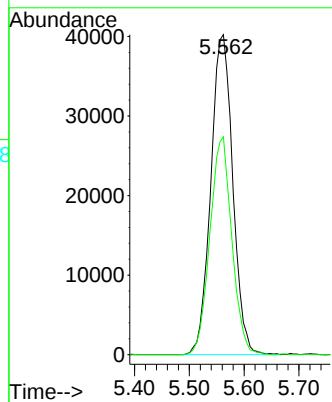
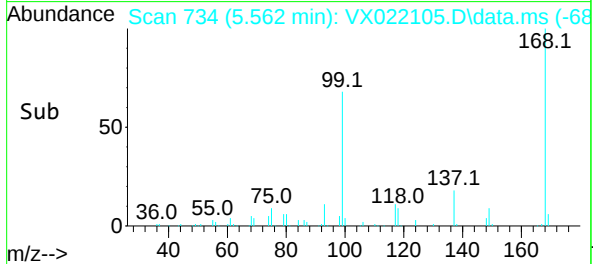




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX022105.D
Acq: 21 May 2021 11:18



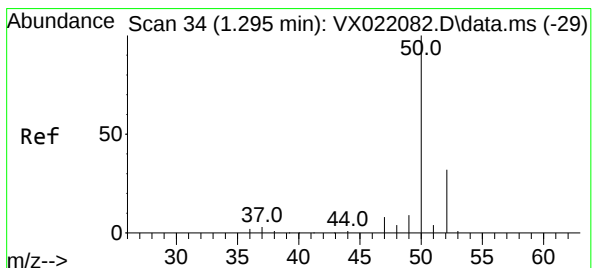
Tgt Ion: 168 Resp: 111942
Ion Ratio Lower Upper
168 100
99 68.1 45.8 68.6



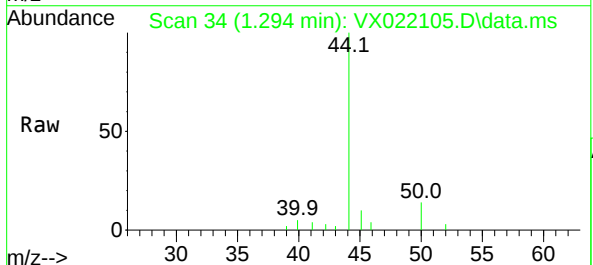
Instrument :
MSVOA_X
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MDL-WATER-03-QT2-2021

Manual Integrations
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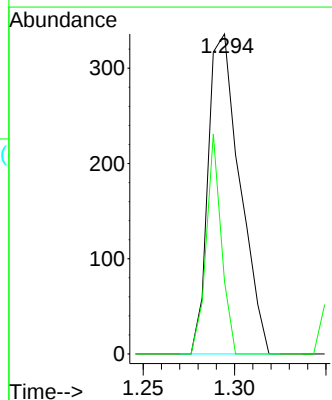
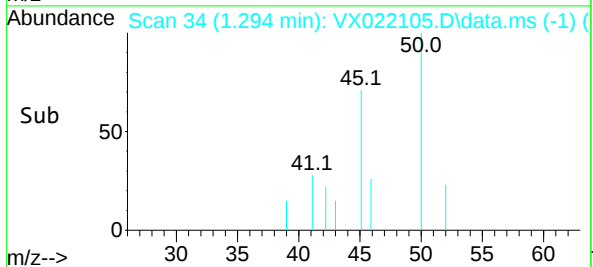
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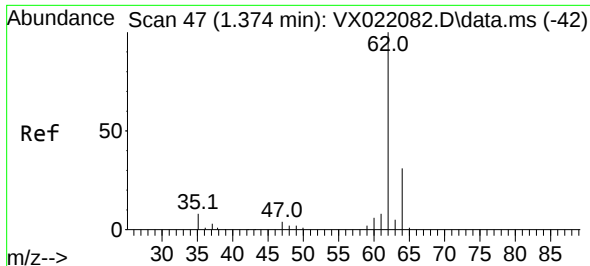


#3
Chloromethane
Concen: 0.28 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.001 min
Lab File: VX022105.D
Acq: 21 May 2021 11:18



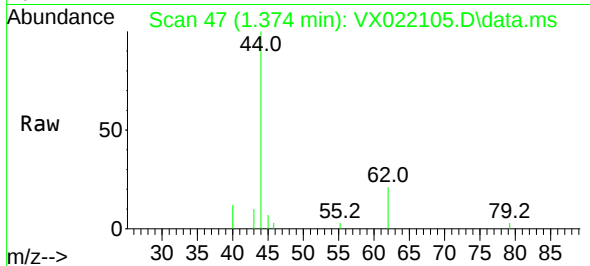
Tgt Ion: 50 Resp: 405
Ion Ratio Lower Upper
50 100
52 22.6 26.4 39.6#





#4
Vinyl Chloride
Concen: 0.22 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX022105.D
Acq: 21 May 2021 11:18

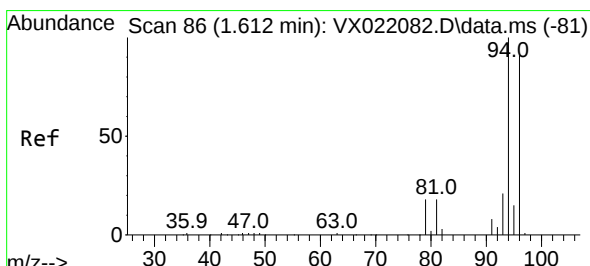
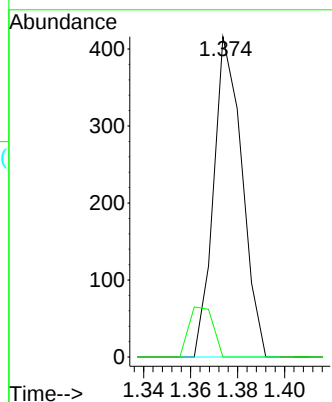
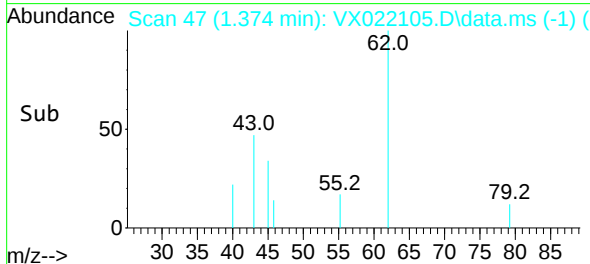
Instrument :
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ClientSampleId :
MDL-WATER-03-QT2-2021



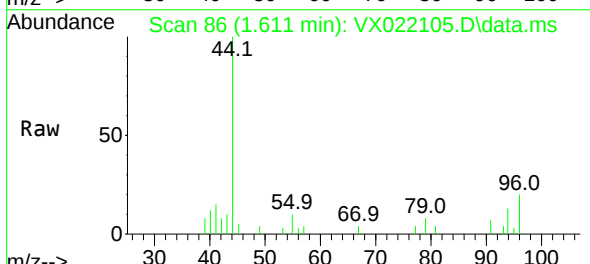
Tgt Ion: 62 Resp: 349
Ion Ratio Lower Upper
62 100
64 0.0 25.7 38.5#

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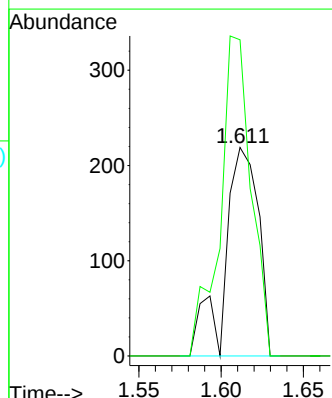
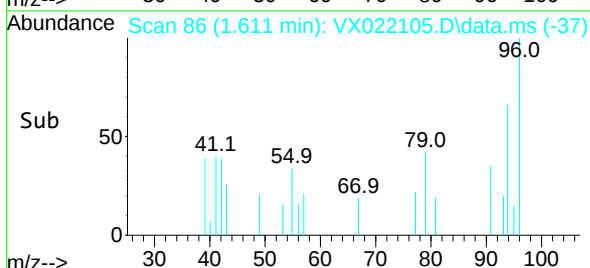
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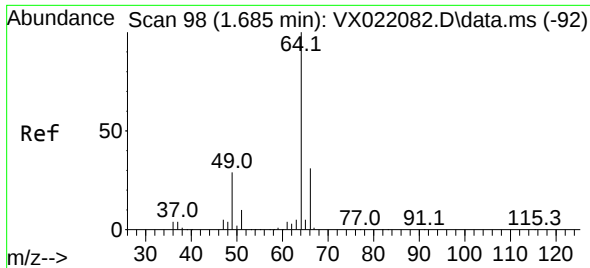


#5
Bromomethane
Concen: 0.35 ug/l
RT: 1.611 min Scan# 86
Delta R.T. -0.001 min
Lab File: VX022105.D
Acq: 21 May 2021 11:18



Tgt Ion: 94 Resp: 313
Ion Ratio Lower Upper
94 100
96 151.6 76.4 114.6#





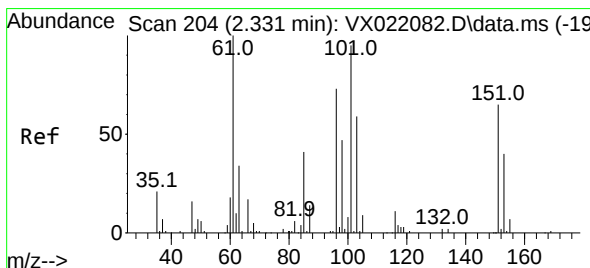
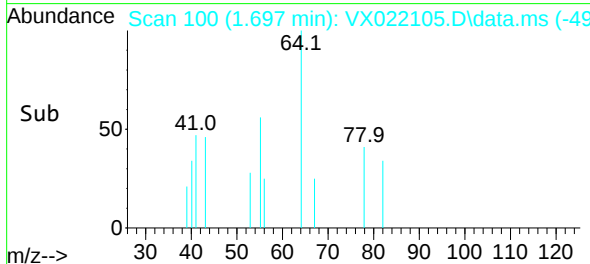
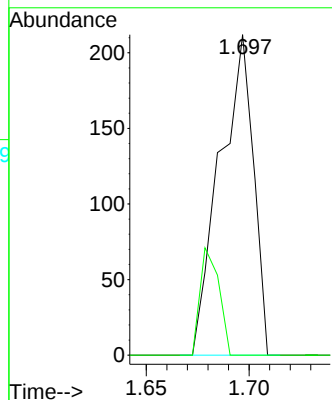
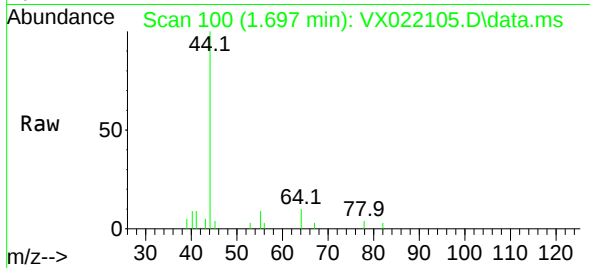
#6
Chloroethane
Concen: 0.26 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.012 min
Lab File: VX022105.D
Acq: 21 May 2021 11:18

Tgt Ion: 64 Resp: 240
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

Instrument :
MSVOA_X
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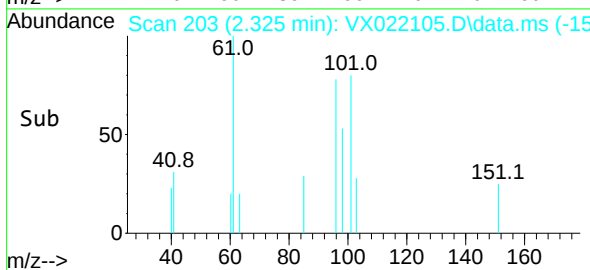
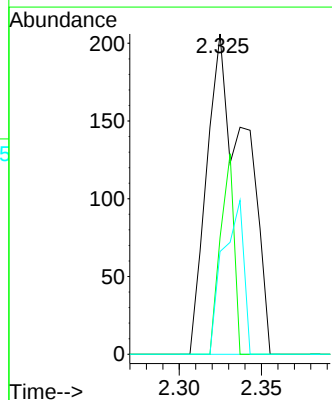
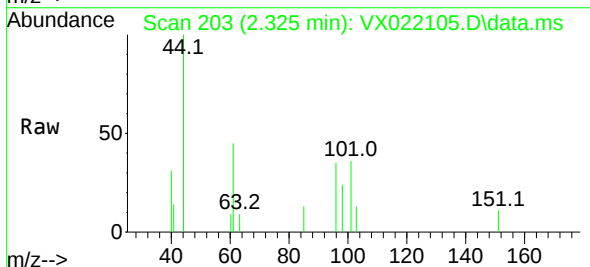
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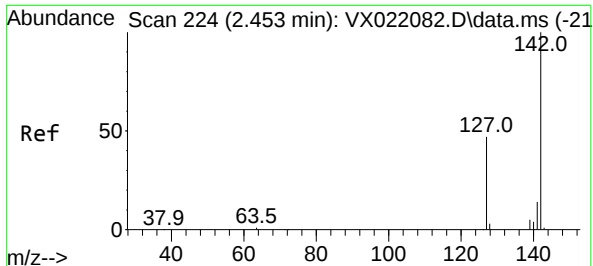
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#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.25 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.006 min
Lab File: VX022105.D
Acq: 21 May 2021 11:18

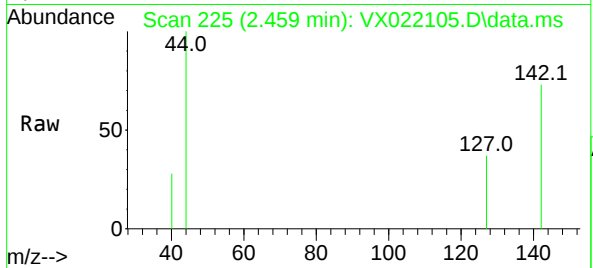
Tgt Ion: 101 Resp: 334
Ion Ratio Lower Upper
101 100
85 22.5 34.9 52.3#
151 26.0 61.4 92.2#





#10
Methyl Iodide
Concen: 0.28 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX022105.D
Acq: 21 May 2021 11:18

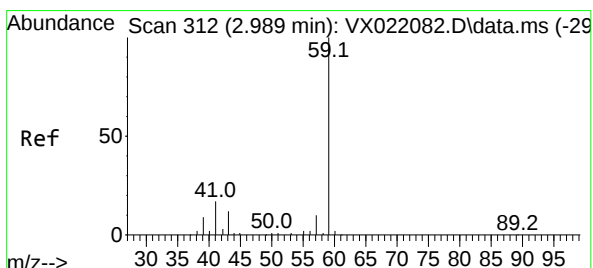
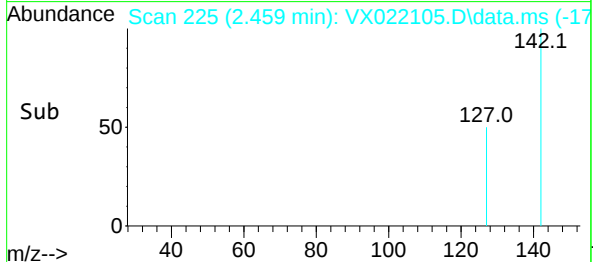
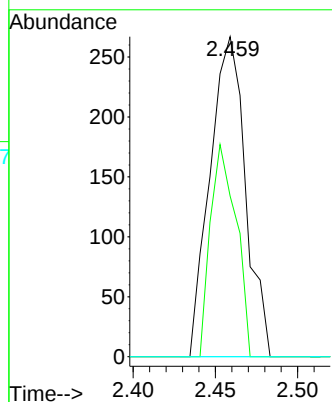
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2021



Tgt Ion:142 Resp: 401
Ion Ratio Lower Upper
142 100
127 47.9 33.3 49.9
141 0.0 11.4 17.0#

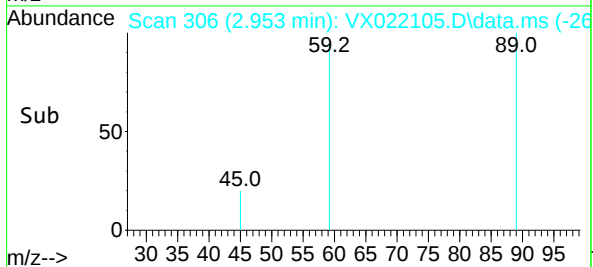
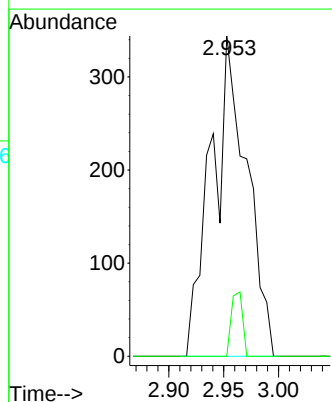
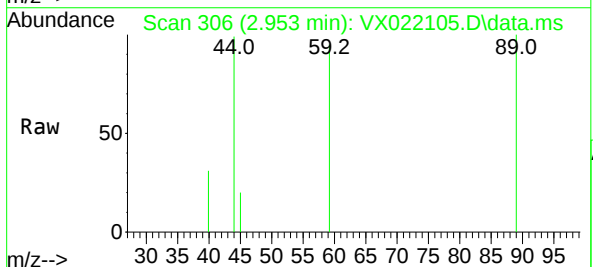
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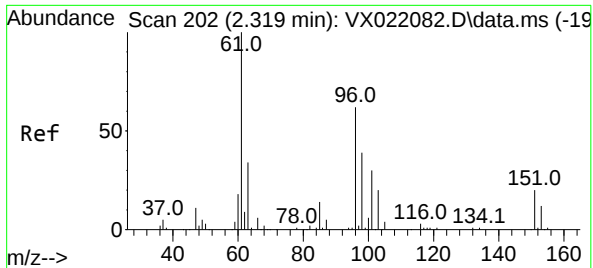
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#11
Tert butyl alcohol
Concen: 1.97 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.036 min
Lab File: VX022105.D
Acq: 21 May 2021 11:18

Tgt Ion: 59 Resp: 777
Ion Ratio Lower Upper
59 100
57 6.3 7.8 11.8#





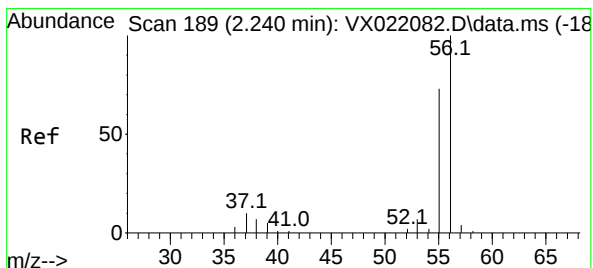
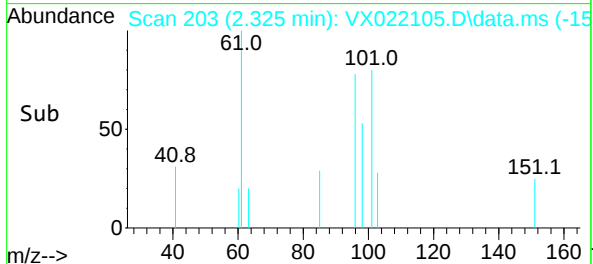
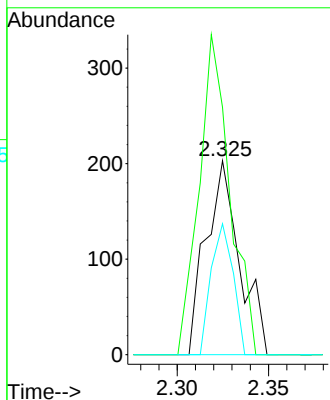
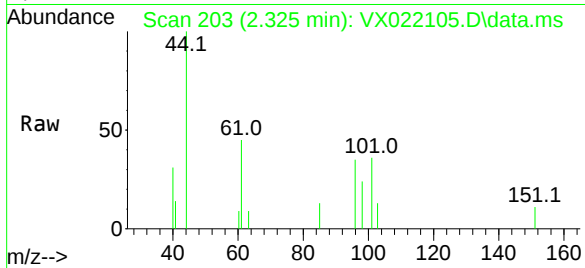
#12
1,1-Dichloroethene
Concen: 0.20 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX022105.D
Acq: 21 May 2021 11:18

Tgt Ion: 96 Resp: 260
Ion Ratio Lower Upper
96 100
61 127.6 124.6 187.0
98 67.5 50.6 76.0

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MDL-WATER-03-QT2-2021

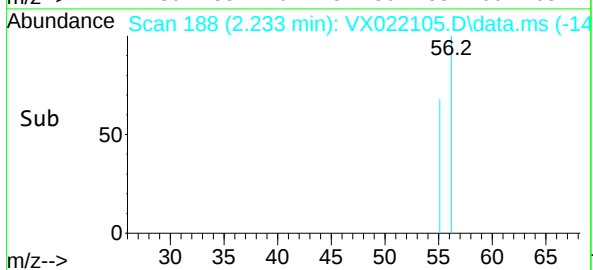
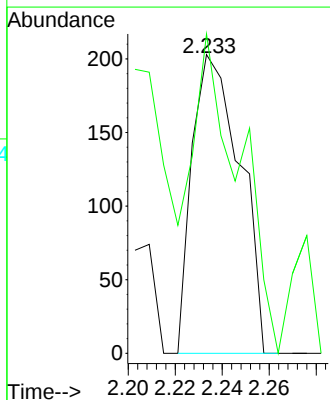
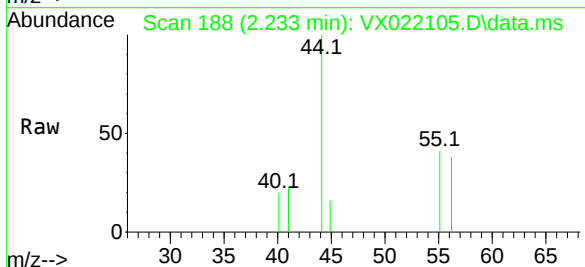
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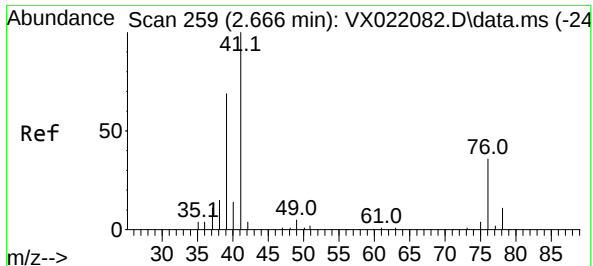
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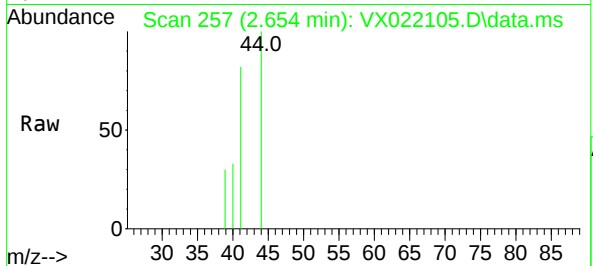
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Acrolein
Concen: 1.10 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.007 min
Lab File: VX022105.D
Acq: 21 May 2021 11:18

Tgt Ion: 56 Resp: 287
Ion Ratio Lower Upper
56 100
55 104.5 56.4 84.6#

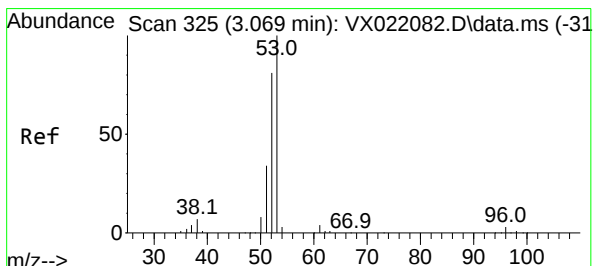
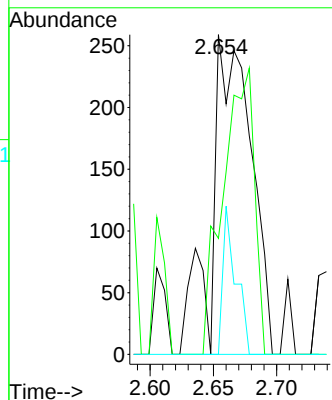
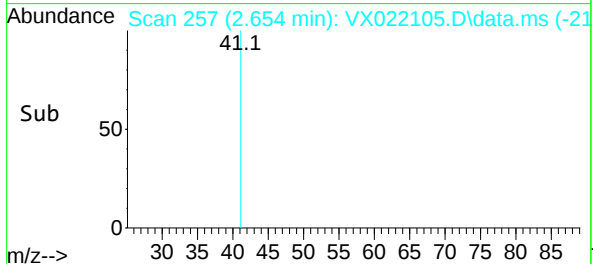




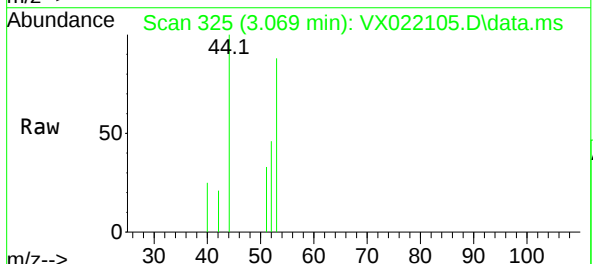
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Allyl chloride
Concen: 0.24 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.012 min
Lab File: VX022105.D
Acq: 21 May 2021 11:18



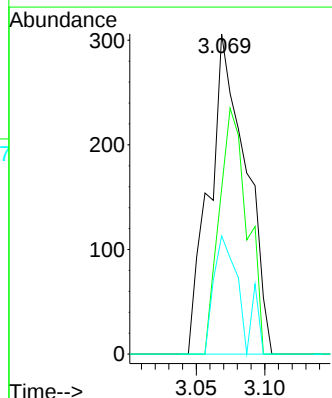
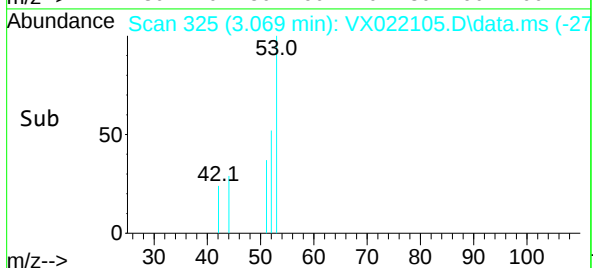
Tgt Ion: 41 Resp: 564
Ion Ratio Lower Upper
41 100
39 0.0 51.6 77.4#
76 15.2 30.5 45.7#



#15
Acrylonitrile
Concen: 0.73 ug/l
RT: 3.069 min Scan# 325
Delta R.T. -0.000 min
Lab File: VX022105.D
Acq: 21 May 2021 11:18



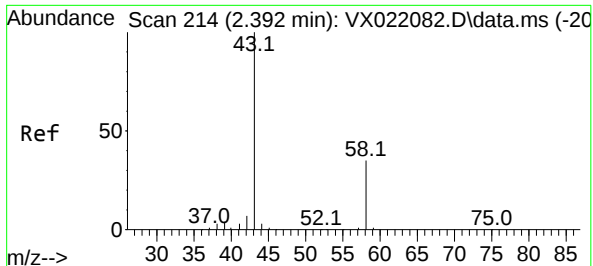
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Ion Ratio Lower Upper
53 100
52 59.0 65.3 97.9#
51 26.8 28.2 42.2#



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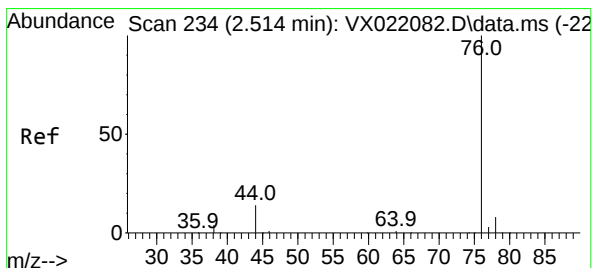
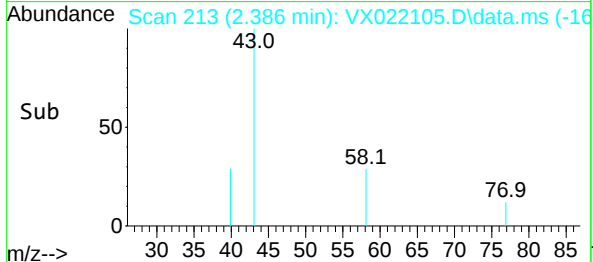
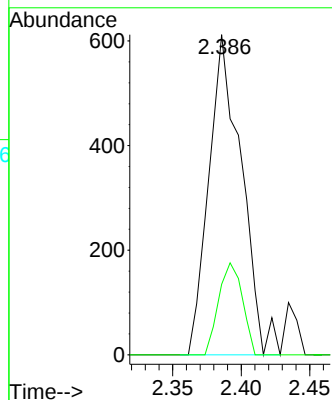
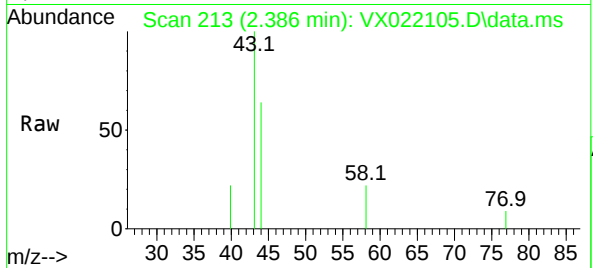
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Acetone
Concen: 1.35 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX022105.D
Acq: 21 May 2021 11:18

Tgt Ion: 43 Resp: 1012
Ion Ratio Lower Upper
43 100
58 22.1 27.8 41.8#

Instrument :
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MDL-WATER-03-QT2-2021

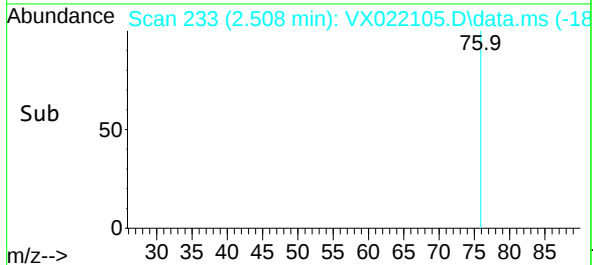
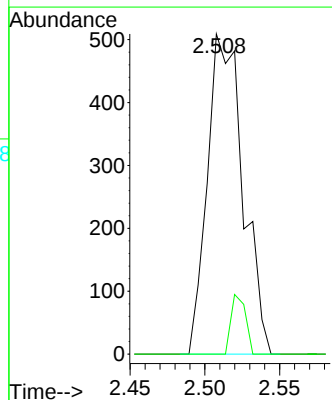
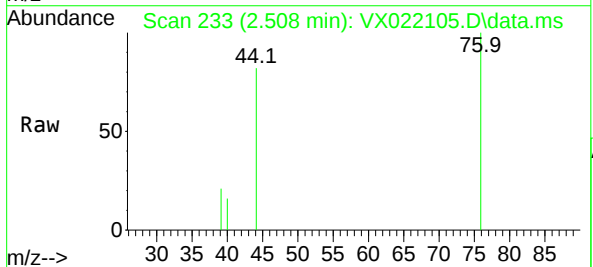
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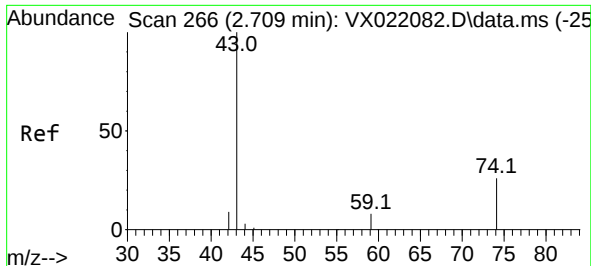
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#17
Carbon Disulfide
Concen: 0.25 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX022105.D
Acq: 21 May 2021 11:18

Tgt Ion: 76 Resp: 841
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





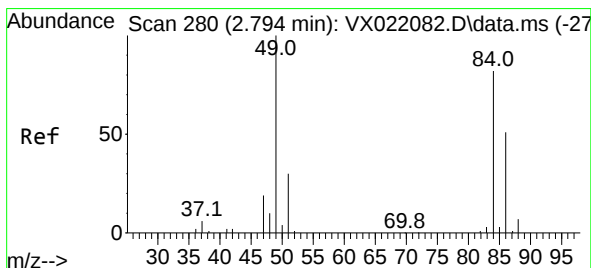
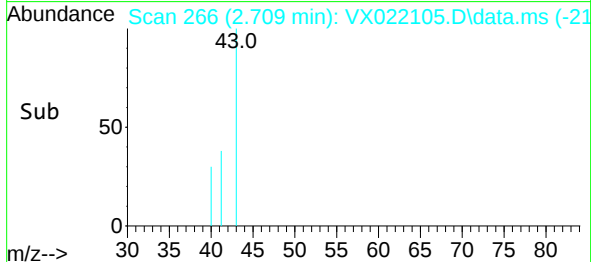
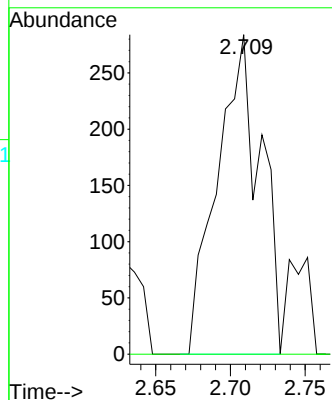
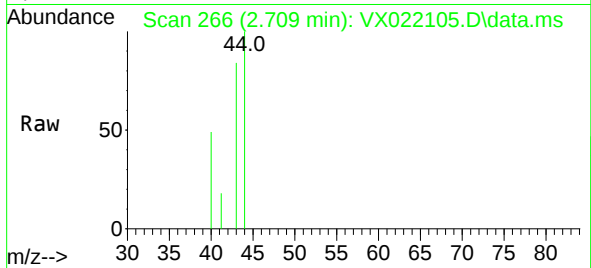
#18
Methyl Acetate
Concen: 0.29 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX022105.D
Acq: 21 May 2021 11:18

Tgt Ion: 43 Resp: 575
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2021

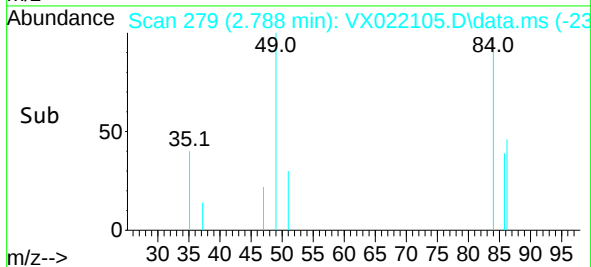
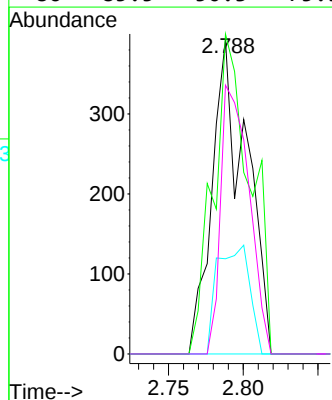
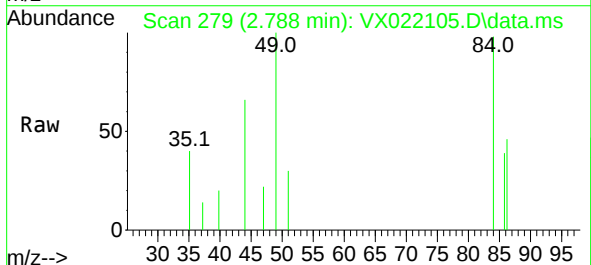
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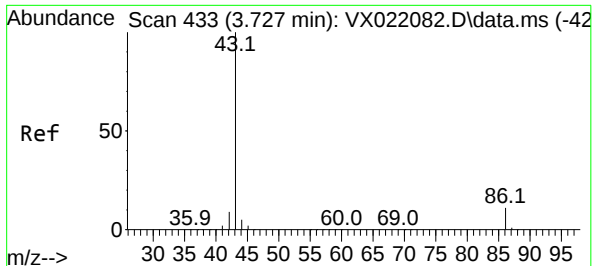
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#20
Methylene Chloride
Concen: 0.38 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.006 min
Lab File: VX022105.D
Acq: 21 May 2021 11:18

Tgt Ion: 84 Resp: 628
Ion Ratio Lower Upper
84 100
49 101.8 88.6 132.8
51 30.3 27.0 40.6
86 85.5 50.3 75.5#





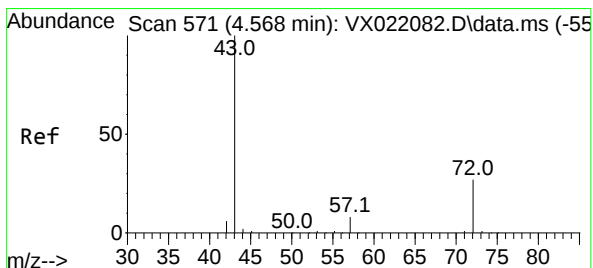
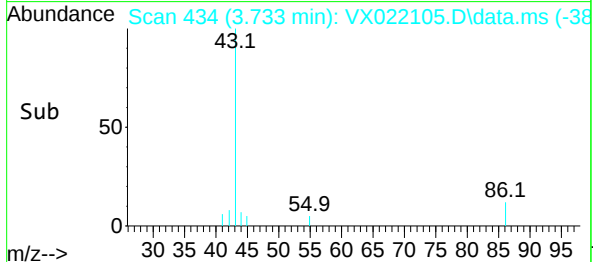
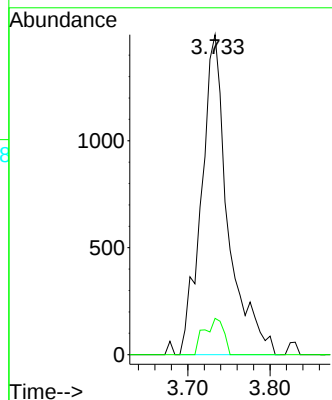
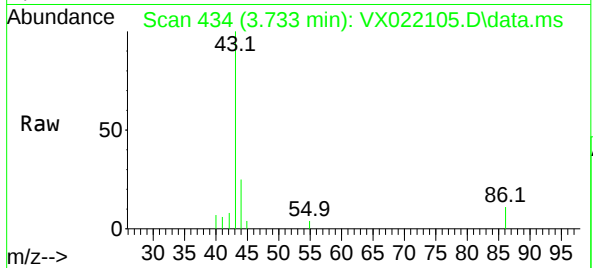
#23
 Vinyl Acetate
 Concen: 0.77 ug/l
 RT: 3.733 min Scan# 434
 Delta R.T. 0.006 min
 Lab File: VX022105.D
 Acq: 21 May 2021 11:18

Tgt Ion: 43 Resp: 3374
 Ion Ratio Lower Upper
 43 100
 86 11.4 9.9 14.9

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2021

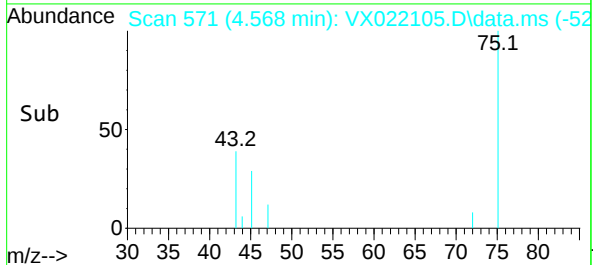
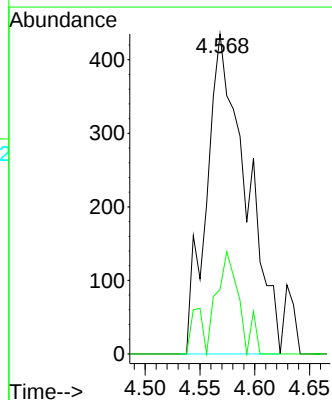
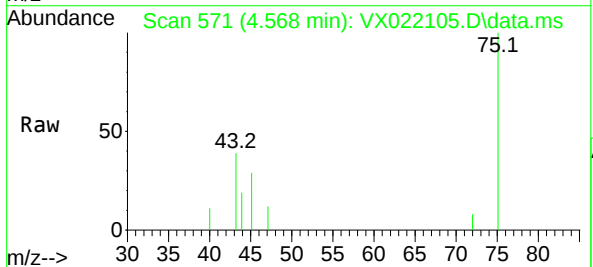
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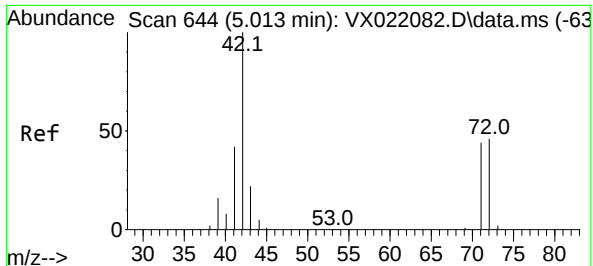
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#25
 2-Butanone
 Concen: 0.90 ug/l
 RT: 4.568 min Scan# 571
 Delta R.T. 0.000 min
 Lab File: VX022105.D
 Acq: 21 May 2021 11:18

Tgt Ion: 43 Resp: 1093
 Ion Ratio Lower Upper
 43 100
 72 20.2 23.7 35.5#





#29

Tetrahydrofuran

Concen: 1.04 ug/l m

RT: 5.013 min Scan# 644

Delta R.T. 0.000 min

Lab File: VX022105.D

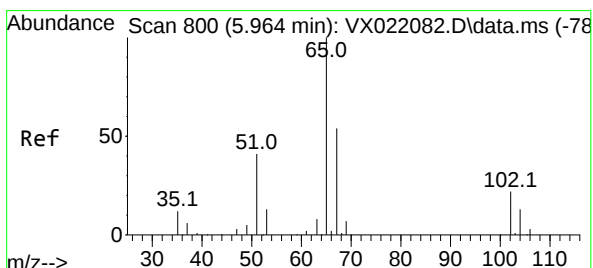
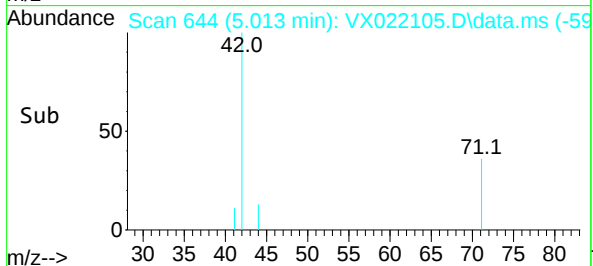
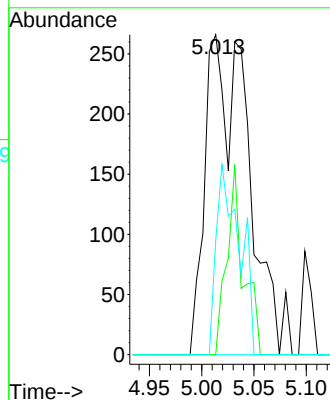
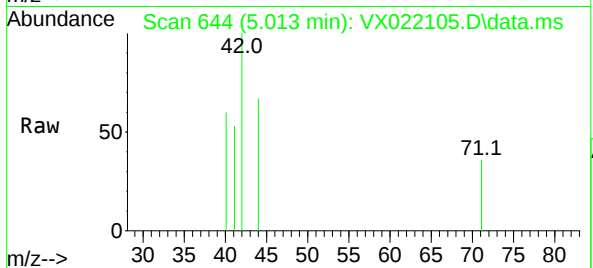
Acq: 21 May 2021 11:18

Tgt Ion:	42	Resp:	752
Ion Ratio	Lower	Upper	
42	100		
72	0.0	41.7	62.5#
71	32.6	38.4	57.6#

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2021

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#33

1,2-Dichloroethane-d4

Concen: 53.35 ug/l

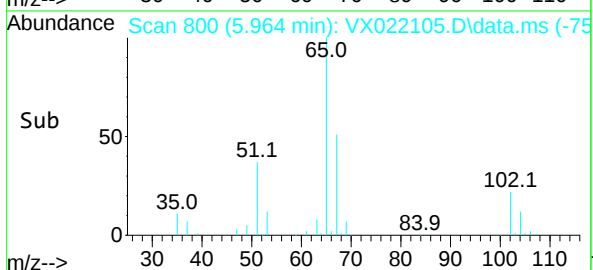
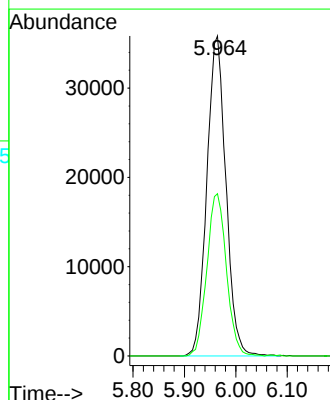
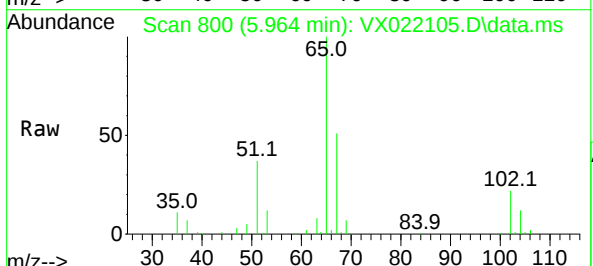
RT: 5.964 min Scan# 800

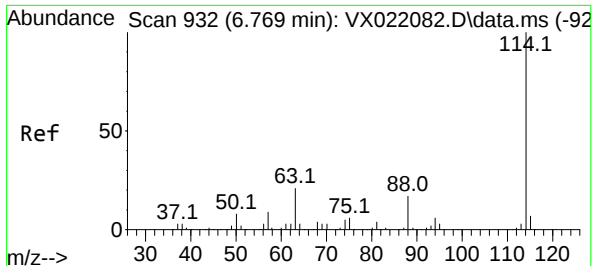
Delta R.T. 0.000 min

Lab File: VX022105.D

Acq: 21 May 2021 11:18

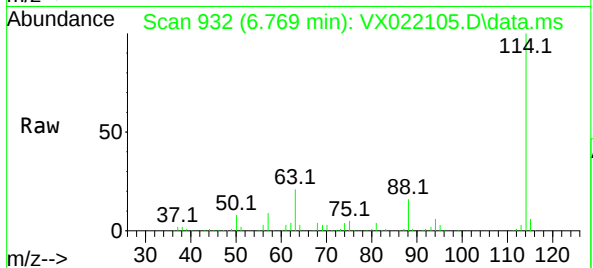
Tgt Ion:	65	Resp:	92132
Ion Ratio	Lower	Upper	
65	100		
67	52.0	0.0	105.4





#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX022105.D
Acq: 21 May 2021 11:18

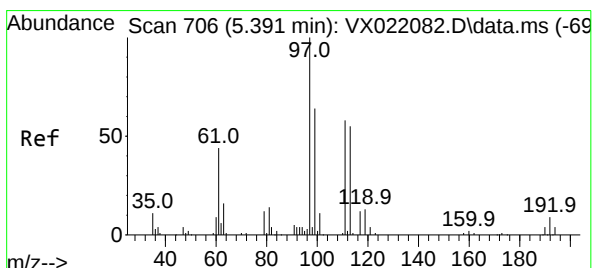
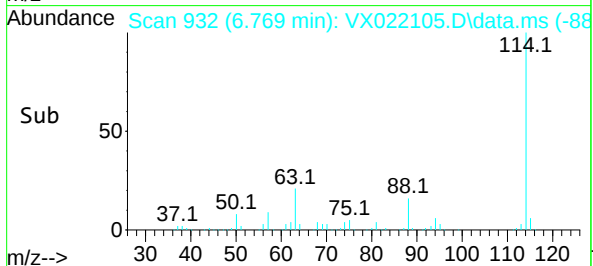
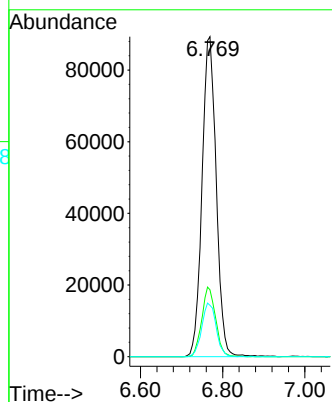
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2021



Tgt Ion:114 Resp: 213765
Ion Ratio Lower Upper
114 100
63 20.9 0.0 40.8
88 16.0 0.0 32.8

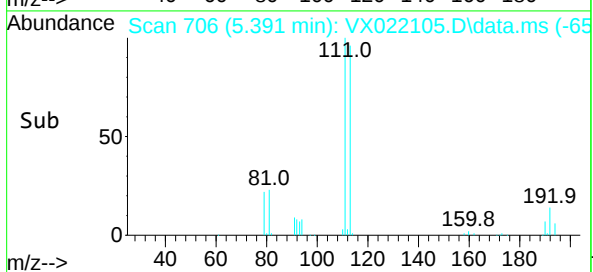
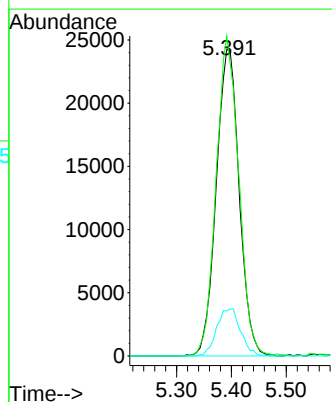
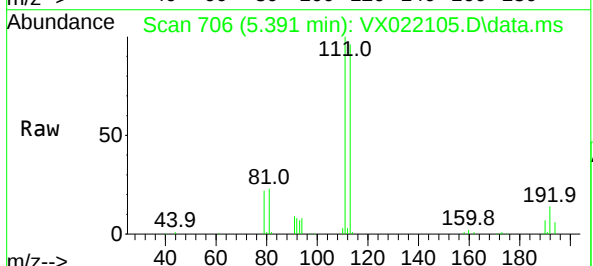
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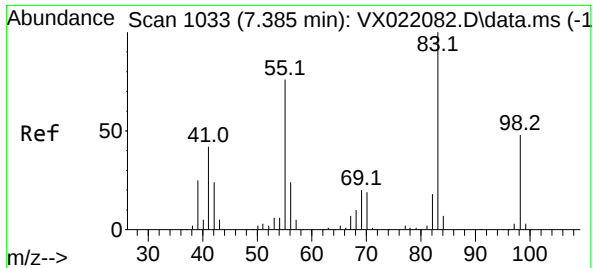
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#35
Dibromofluoromethane
Concen: 52.06 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX022105.D
Acq: 21 May 2021 11:18

Tgt Ion:113 Resp: 70578
Ion Ratio Lower Upper
113 100
111 102.6 81.9 122.9
192 16.0 16.7 25.1#





#39

Methylcyclohexane

Concen: 0.21 ug/l

RT: 7.367 min Scan# 1030

Delta R.T. -0.018 min

Lab File: VX022105.D

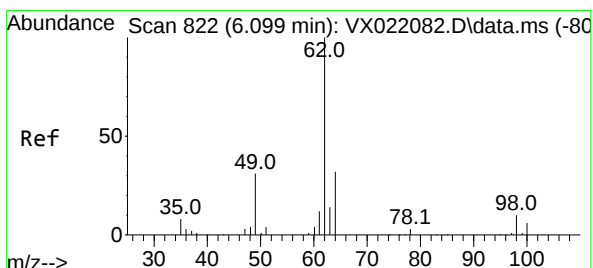
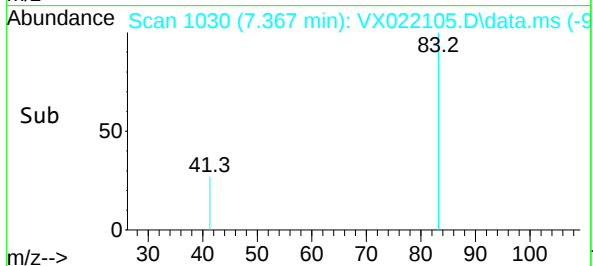
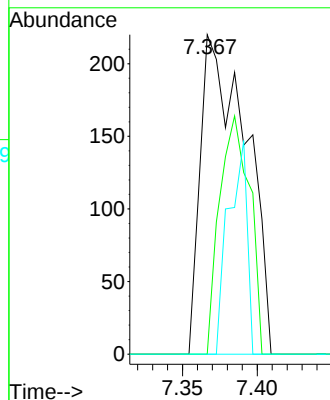
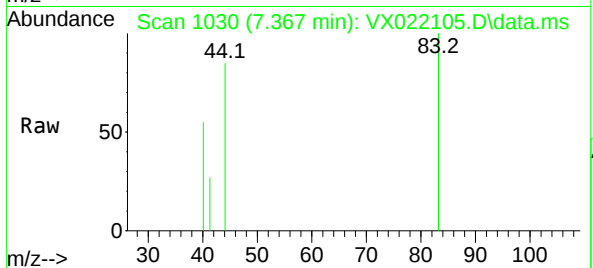
Acq: 21 May 2021 11:18

Tgt Ion:	83	Resp:	463
Ion	Ratio	Lower	Upper
83	100		
55	0.0	58.9	88.3#
98	0.0	38.1	57.1#

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2021

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 0.22 ug/l

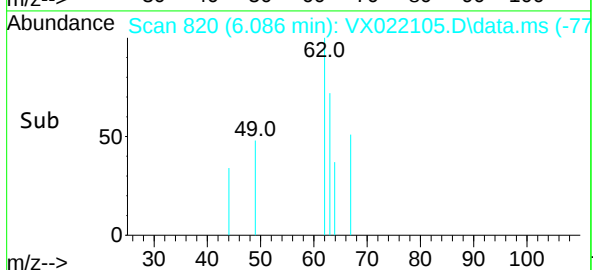
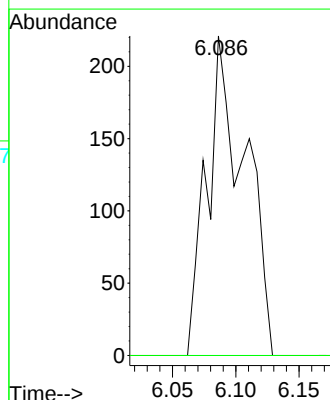
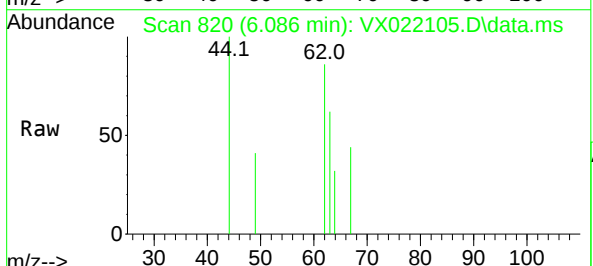
RT: 6.086 min Scan# 820

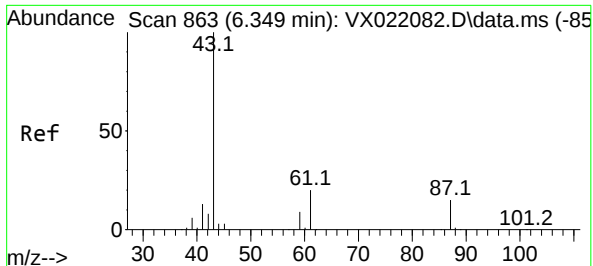
Delta R.T. -0.013 min

Lab File: VX022105.D

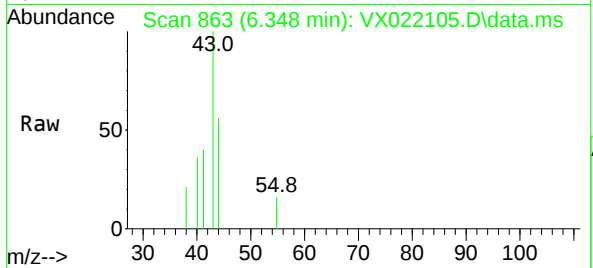
Acq: 21 May 2021 11:18

Tgt Ion:	62	Resp:	465
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	20.2

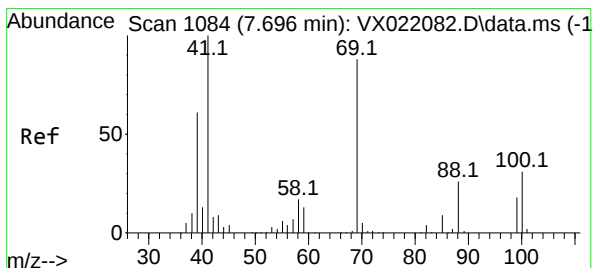
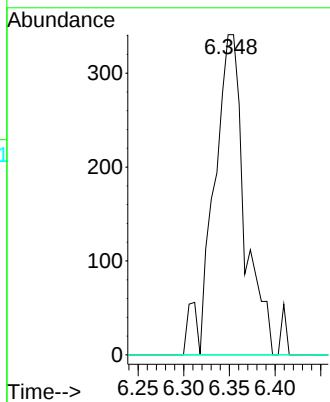
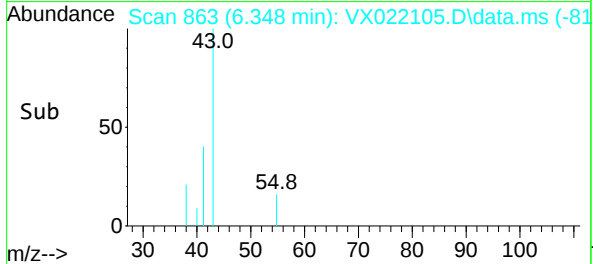




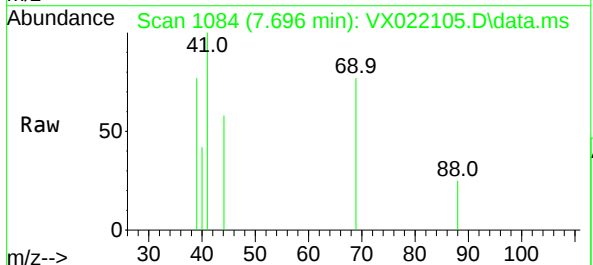
#43
Isopropyl Acetate
Concen: 0.20 ug/l
RT: 6.348 min Scan# 863
Delta R.T. -0.001 min
Lab File: VX022105.D
Acq: 21 May 2021 11:18



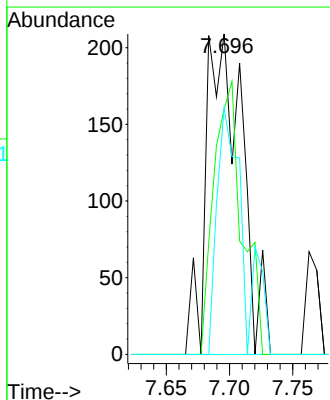
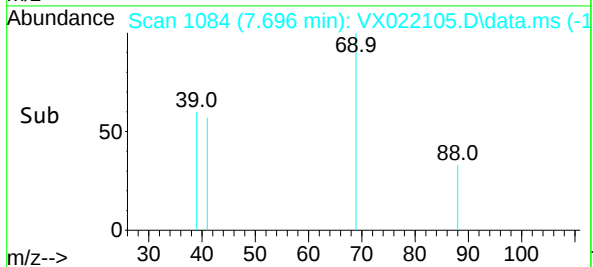
Tgt Ion:	43	Resp:	807
Ion Ratio	Lower	Upper	
43	100		
61	0.0	18.2	27.4#
87	0.0	12.5	18.7#



#48
Methyl methacrylate
Concen: 0.23 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX022105.D
Acq: 21 May 2021 11:18



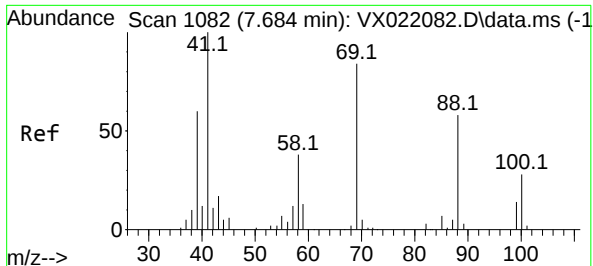
Tgt Ion:	41	Resp:	416
Ion Ratio	Lower	Upper	
41	100		
69	66.8	76.0	114.0#
39	56.3	44.6	67.0



Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2021

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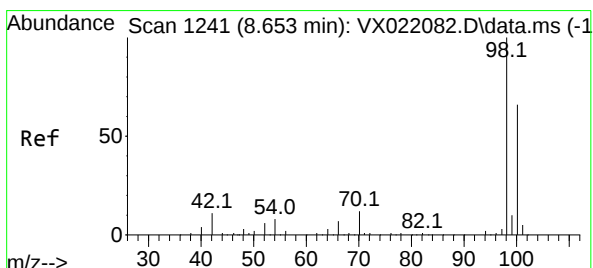
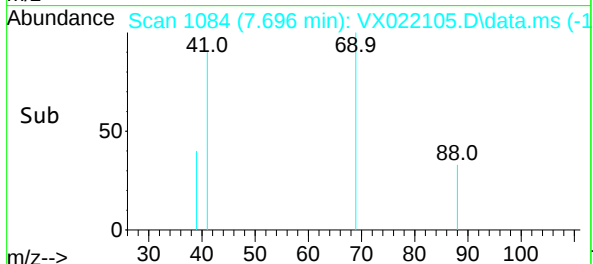
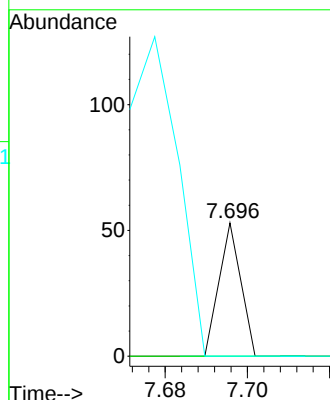
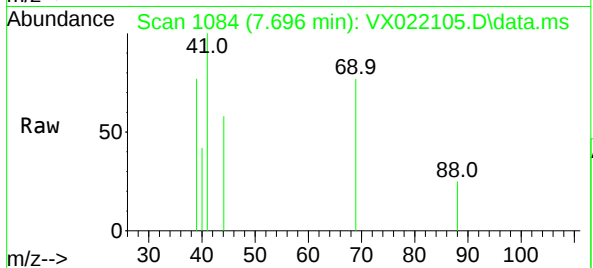
#49
1,4-Dioxane
Concen: 0.53 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.012 min
Lab File: VX022105.D
Acq: 21 May 2021 11:18

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 23.2 34.8#
58 752.6 55.0 82.4#

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2021

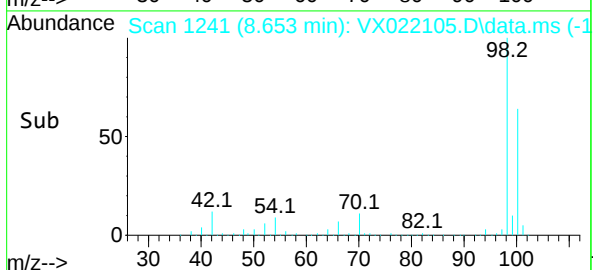
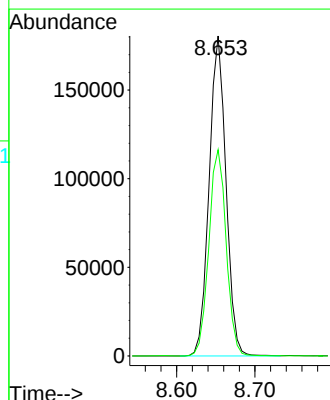
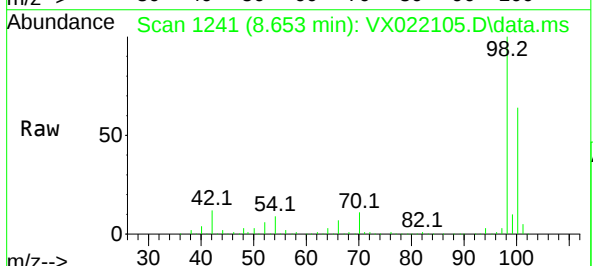
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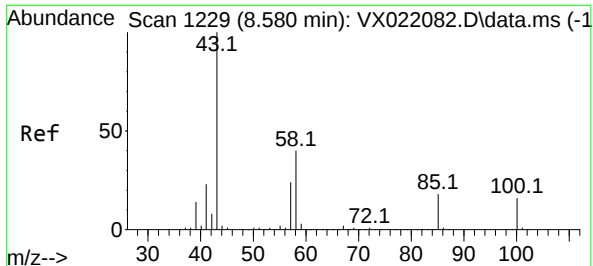
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#50
Toluene-d8
Concen: 51.59 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022105.D
Acq: 21 May 2021 11:18

Tgt Ion: 98 Resp: 269411
Ion Ratio Lower Upper
98 100
100 66.4 51.9 77.9





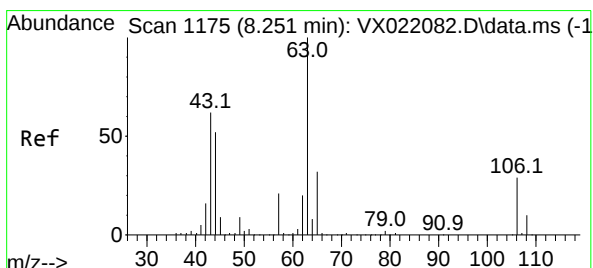
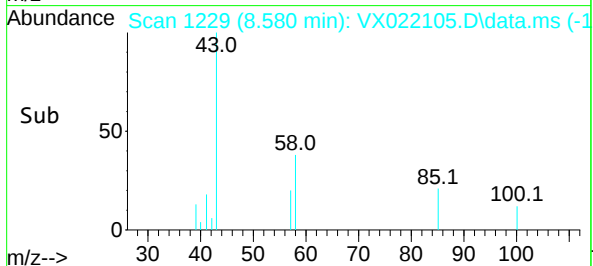
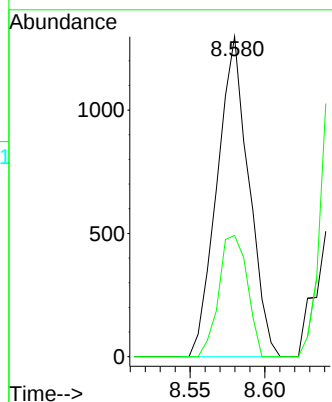
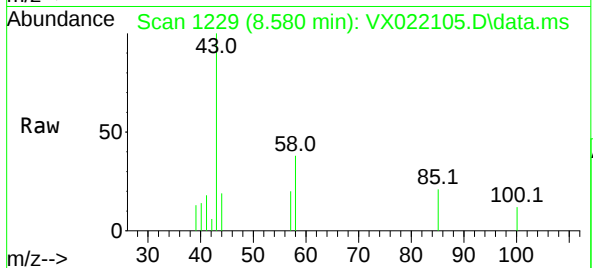
#51
4-Methyl-2-Pentanone
Concen: 0.81 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX022105.D
Acq: 21 May 2021 11:18

Tgt Ion: 43 Resp: 1913
Ion Ratio Lower Upper
43 100
58 34.1 35.4 53.0#

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2021

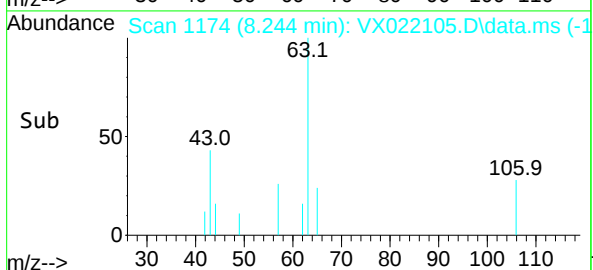
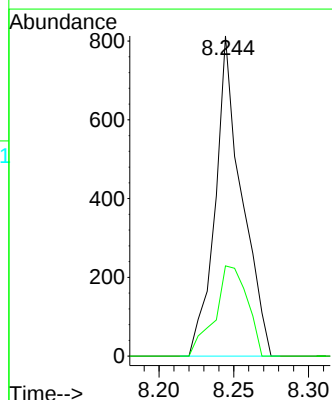
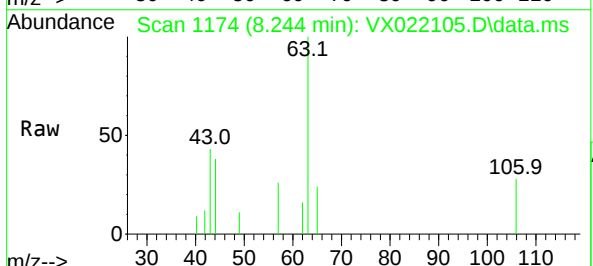
Manual Integrations
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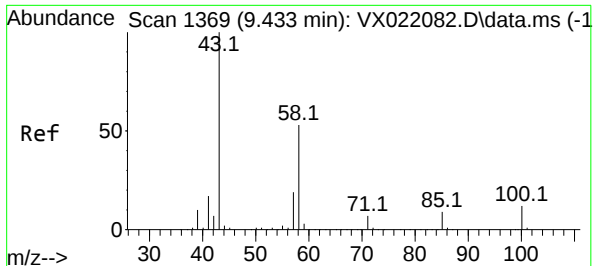
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#58
2-Chloroethyl Vinyl ether
Concen: 0.73 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. -0.007 min
Lab File: VX022105.D
Acq: 21 May 2021 11:18

Tgt Ion: 63 Resp: 1001
Ion Ratio Lower Upper
63 100
106 34.4 23.5 35.3





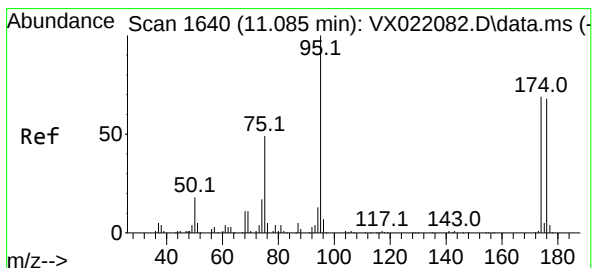
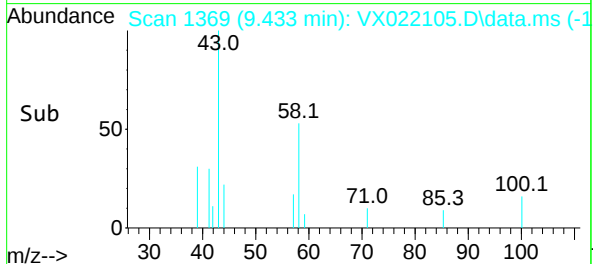
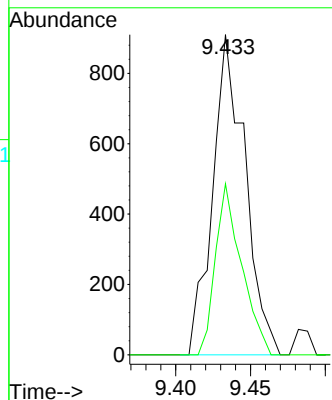
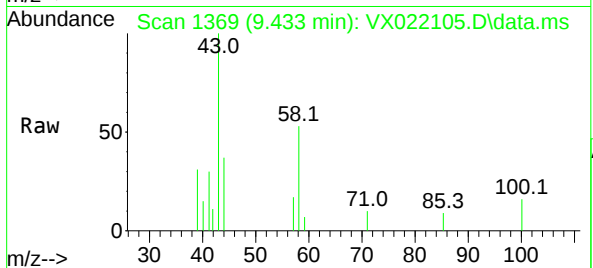
#59
2-Hexanone
Concen: 0.77 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX022105.D
Acq: 21 May 2021 11:18

Tgt Ion: 43 Resp: 1373
Ion Ratio Lower Upper
43 100
58 43.0 30.9 92.8

Instrument :
MSVOA_X
ClientSampleId :
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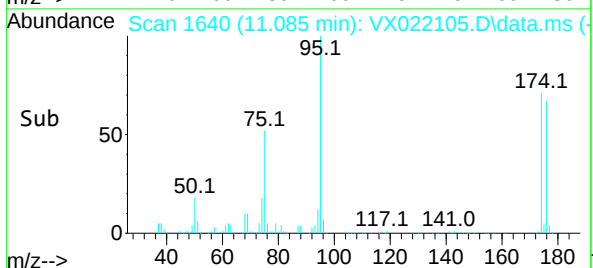
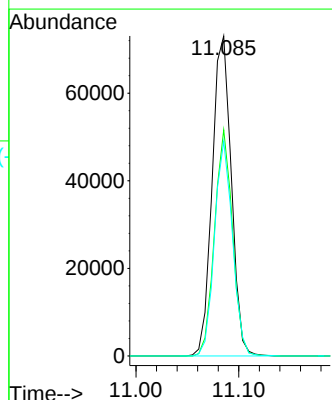
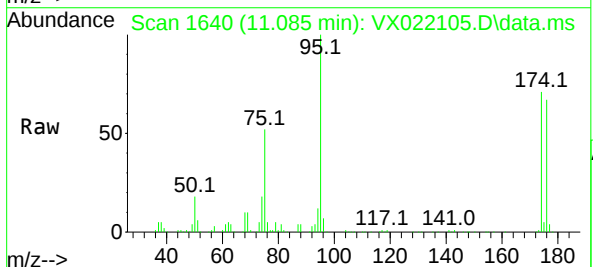
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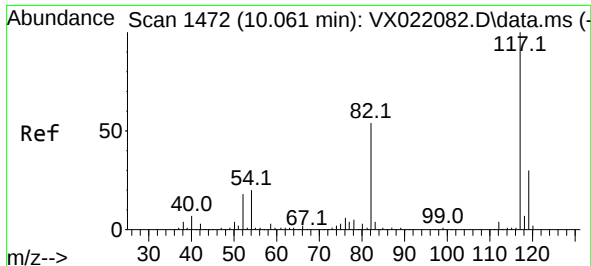
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#62
4-Bromofluorobenzene
Concen: 48.77 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022105.D
Acq: 21 May 2021 11:18

Tgt Ion: 95 Resp: 94126
Ion Ratio Lower Upper
95 100
174 66.4 0.0 154.6
176 63.2 0.0 155.8





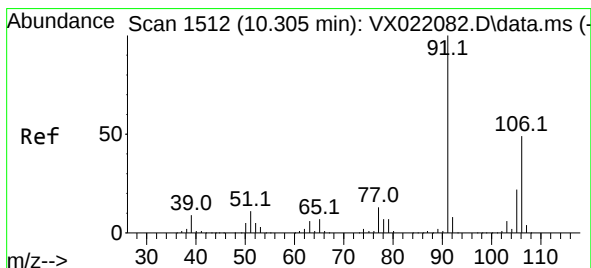
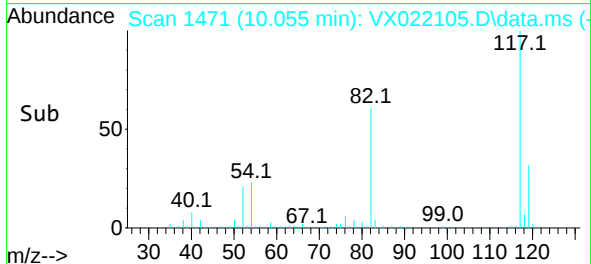
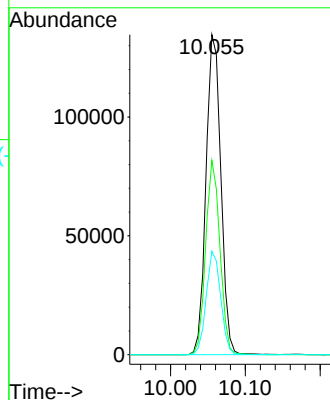
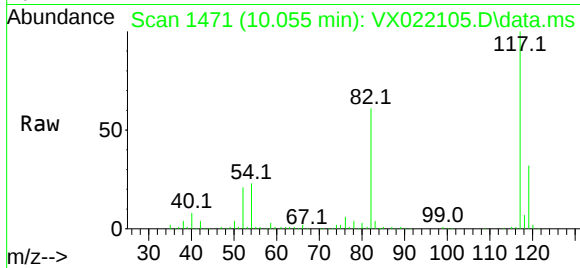
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX022105.D
Acq: 21 May 2021 11:18

Tgt Ion:117 Resp: 186185
Ion Ratio Lower Upper
117 100
82 60.7 47.4 71.2
119 32.3 26.6 39.8

Instrument :
MSVOA_X
ClientSampleId :
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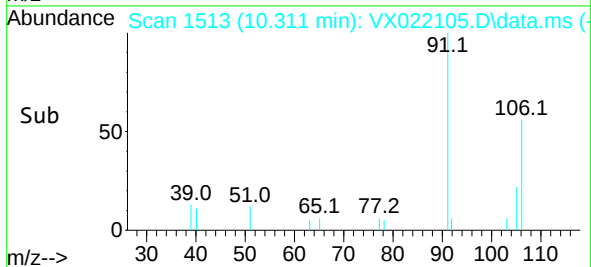
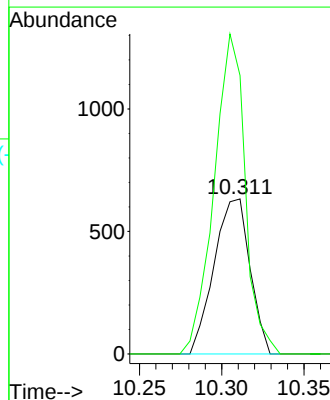
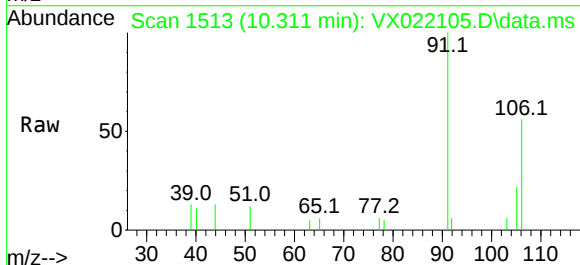
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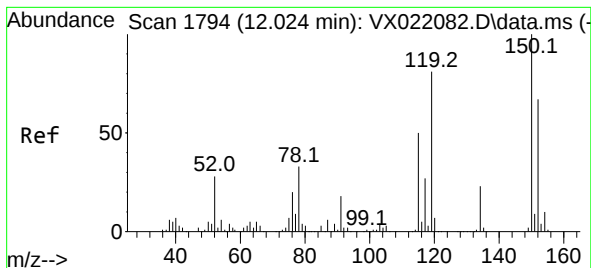
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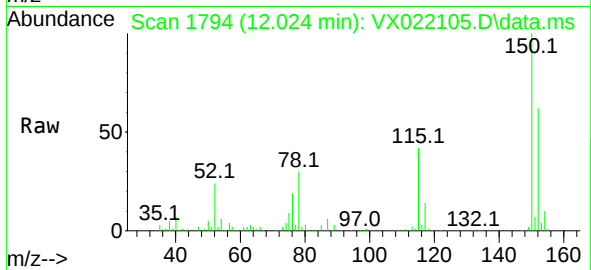
#68
m/p-Xylenes
Concen: 0.36 ug/l
RT: 10.311 min Scan# 1513
Delta R.T. 0.006 min
Lab File: VX022105.D
Acq: 21 May 2021 11:18

Tgt Ion:106 Resp: 959
Ion Ratio Lower Upper
106 100
91 178.9 162.8 244.2

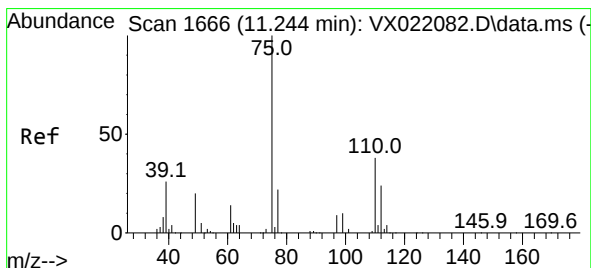
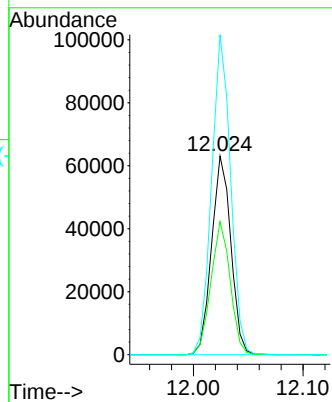
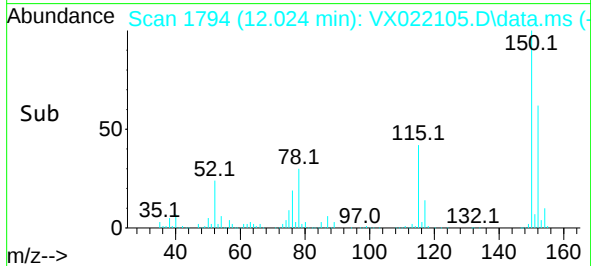




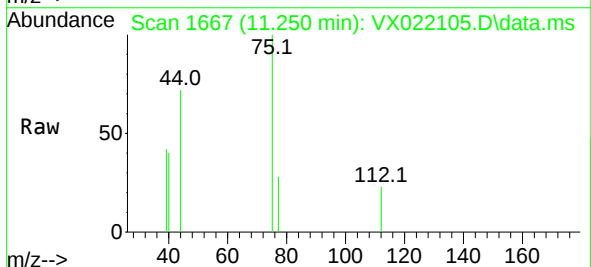
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX022105.D
 Acq: 21 May 2021 11:18



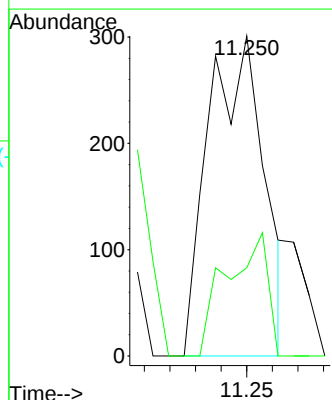
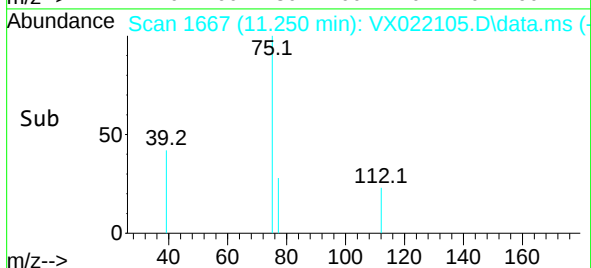
Tgt Ion:152 Resp: 77125
 Ion Ratio Lower Upper
 152 100
 115 66.9 41.1 123.3
 150 158.7 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 0.24 ug/l m
 RT: 11.250 min Scan# 1667
 Delta R.T. 0.006 min
 Lab File: VX022105.D
 Acq: 21 May 2021 11:18



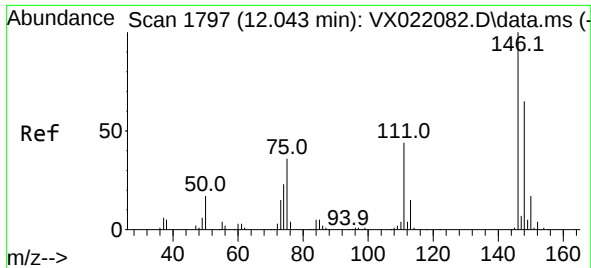
Tgt Ion: 75 Resp: 454
 Ion Ratio Lower Upper
 75 100
 77 110.6 19.1 57.5#



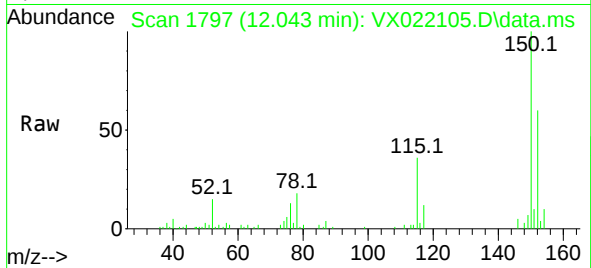
Instrument :
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 ClientSampleId :
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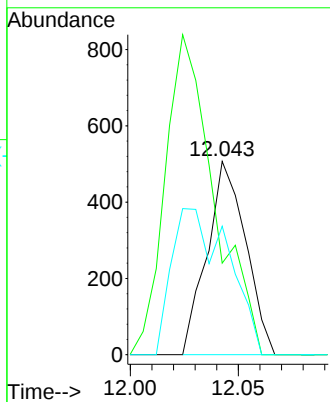
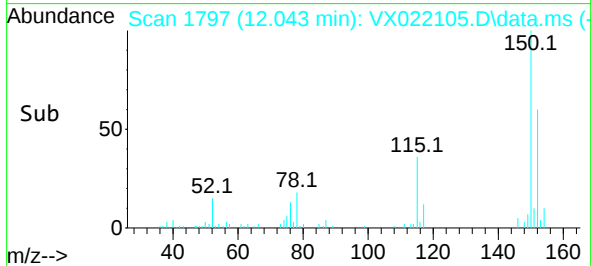
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#88
 1,4-Dichlorobenzene
 Concen: 0.23 ug/l m
 RT: 12.043 min Scan# 1797
 Delta R.T. -0.000 min
 Lab File: VX022105.D
 Acq: 21 May 2021 11:18



Tgt Ion	Ratio	Lower	Upper
146	100		
111	30.9	19.6	58.8
148	60.5	31.6	95.0



Instrument :
 MSVOA_X
 ClientSampleId :
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