

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070821\
 Data File : VX023189.D
 Acq On : 08 Jul 2021 11:07
 Operator : JC/MD
 Sample : M2940-07 .2PPB LOD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2021

Manual Integrations
 APPROVED

MMDadoda
 7/9/2021 5:42:12 PM

Quant Time: Jul 09 03:40:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 09 03:22:39 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	272832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	438003	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	383058	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	173403	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	180232	49.152	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.300%		
35) Dibromofluoromethane	5.397	113	130624	46.182	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.360%		
50) Toluene-d8	8.653	98	481663	45.652	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.300%#		
62) 4-Bromofluorobenzene	11.085	95	177733	43.635	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.260%		
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	607	0.248	ug/l #	82
5) Bromomethane	1.611	94	837	0.578	ug/l	95
8) Diethyl Ether	2.154	74	343	0.206	ug/l	81
10) Methyl Iodide	2.453	142	705	0.218	ug/l #	65
11) Tert butyl alcohol	2.959	59	2562	3.321	ug/l #	76
13) Acrolein	2.239	56	687	1.337	ug/l #	38
14) Allyl chloride	2.666	41	1215	0.287	ug/l #	82
15) Acrylonitrile	3.080	53	956	0.637	ug/l	91
16) Acetone	2.385	43	2031	1.400	ug/l #	79
17) Carbon Disulfide	2.514	76	1314	0.256	ug/l	97
18) Methyl Acetate	2.709	43	810	0.230	ug/l #	65
20) Methylene Chloride	2.794	84	1362	0.436	ug/l	90
23) Vinyl Acetate	3.727	43	4495	0.596	ug/l #	90
25) 2-Butanone	4.574	43	1798	0.822	ug/l	89
29) Tetrahydrofuran	5.050	42	1102m	0.784	ug/l	
30) Chloroform	5.111	83	1115	0.205	ug/l #	71
41) Methacrylonitrile	4.928	41	525	0.220	ug/l #	53
44) Trichloroethene	7.135	130	792	0.246	ug/l	75
49) 1,4-Dioxane	7.677	88	216	2.761	ug/l #	28
51) 4-Methyl-2-Pentanone	8.579	43	2922	0.666	ug/l #	86
58) 2-Chloroethyl Vinyl ether	8.244	63	4644	1.994	ug/l	94
59) 2-Hexanone	9.439	43	1741	0.517	ug/l	98
68) m/p-Xylenes	10.311	106	1252	0.245	ug/l	88

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

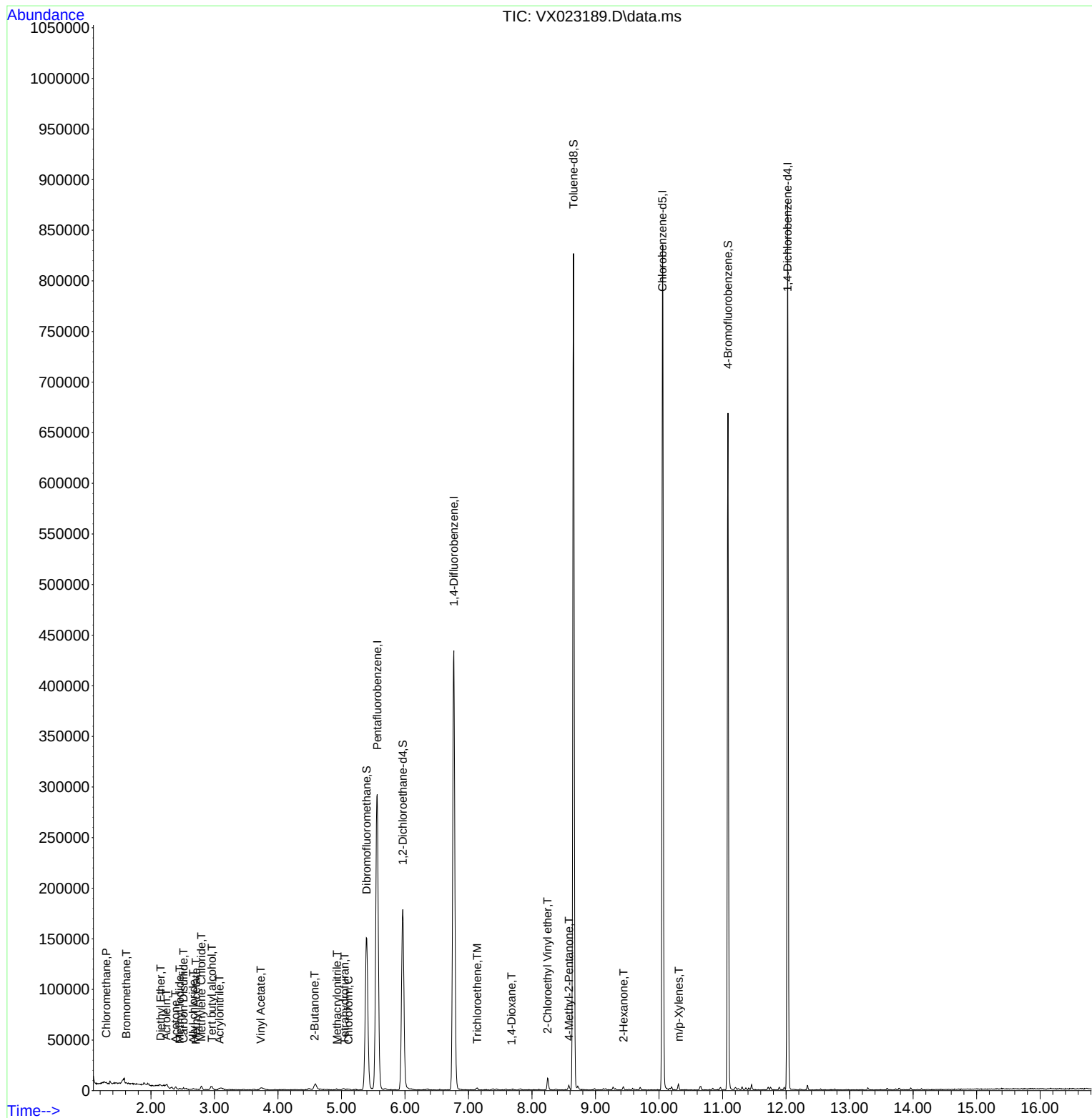
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070821\
Data File : VX023189.D
Acq On : 08 Jul 2021 11:07
Operator : JC/MD
Sample : M2940-07 .2PPB LOD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

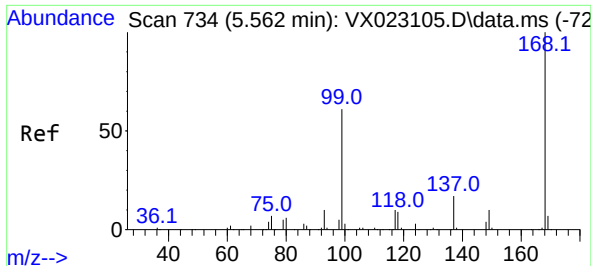
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2021

Manual Integrations
APPROVED

MMDadoda
7/9/2021 5:42:12 PM

Quant Time: Jul 09 03:40:53 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 09 03:22:39 2021
Response via : Initial Calibration





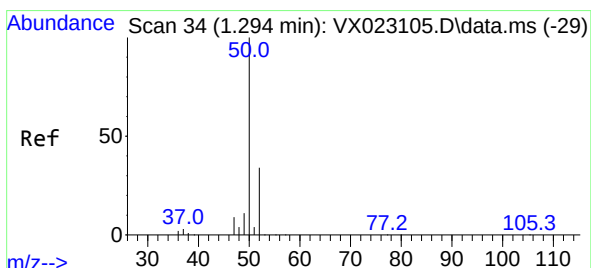
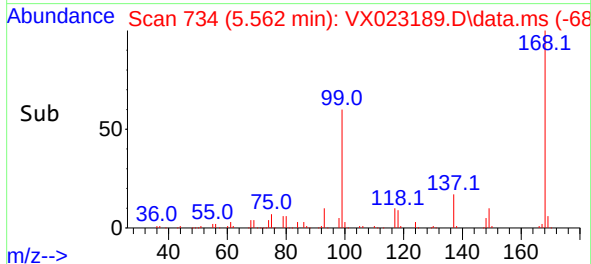
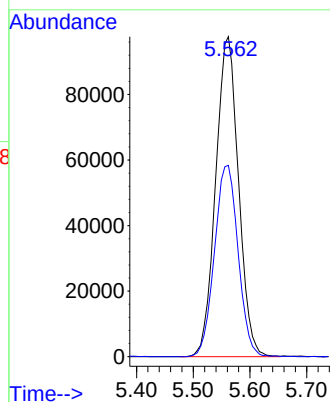
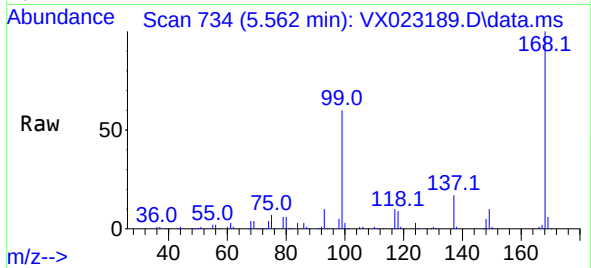
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023189.D
Acq: 08 Jul 2021 11:07

Tgt Ion: 168 Resp: 272832
Ion Ratio Lower Upper
168 100
99 59.8 45.8 68.6

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2021

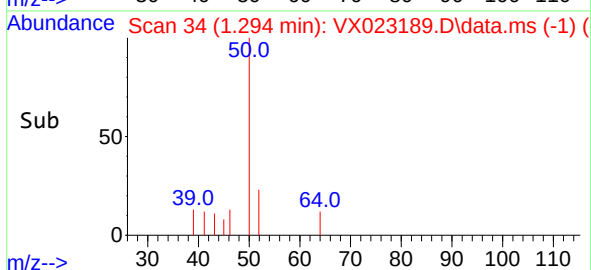
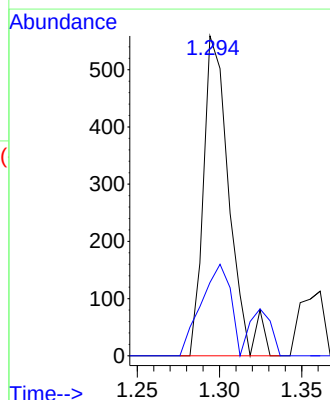
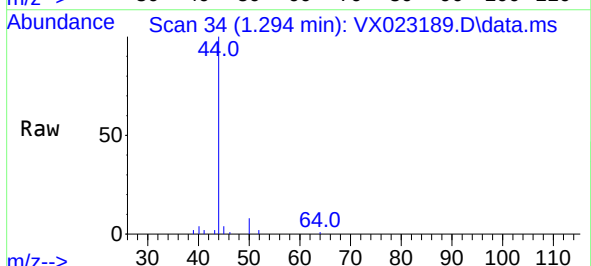
Manual Integrations
APPROVED

MMDadoda
7/9/2021 5:42:12 PM

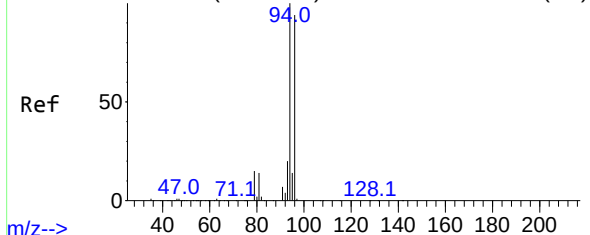


#3
Chloromethane
Concen: 0.248 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX023189.D
Acq: 08 Jul 2021 11:07

Tgt Ion: 50 Resp: 607
Ion Ratio Lower Upper
50 100
52 22.9 26.4 39.6#



Abundance Scan 84 (1.599 min): VX023105.D\data.ms (-80)



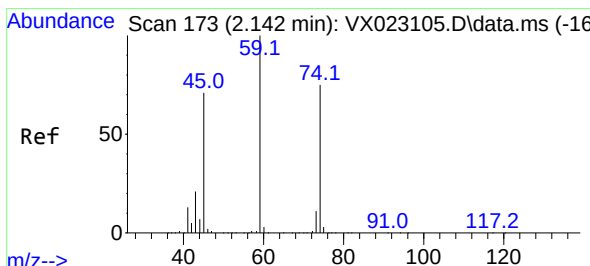
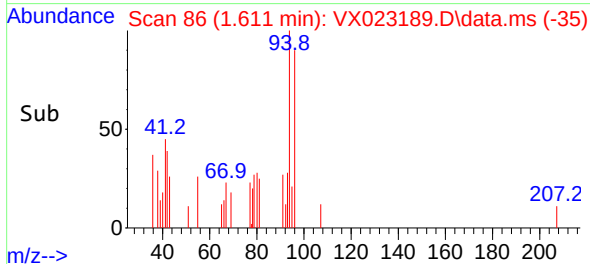
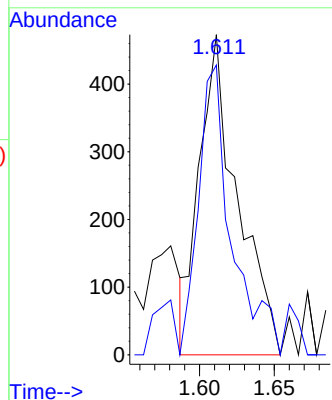
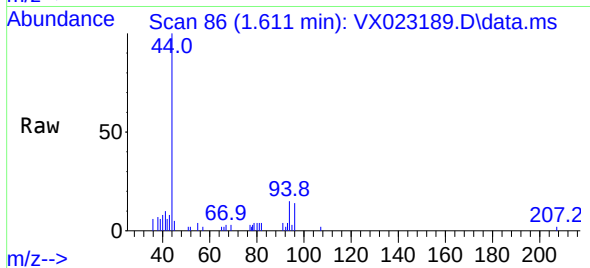
#5
Bromomethane
Concen: 0.578 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX023189.D
Acq: 08 Jul 2021 11:07

Tgt Ion: 94 Resp: 837
Ion Ratio Lower Upper
94 100
96 90.5 76.4 114.6

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2021

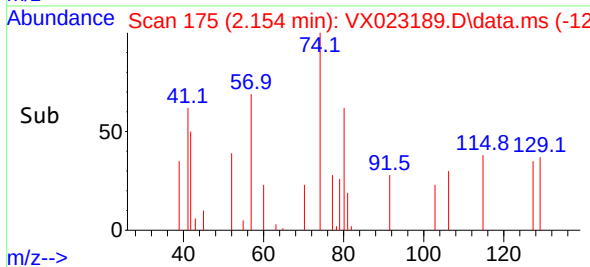
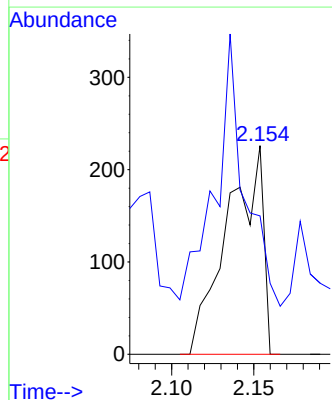
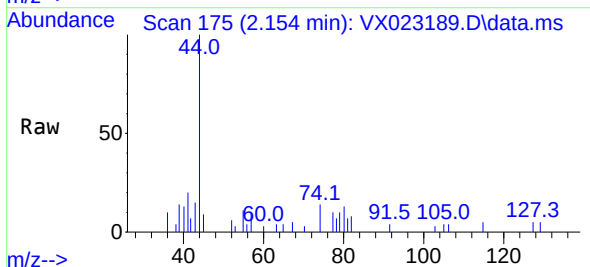
Manual Integrations
APPROVED

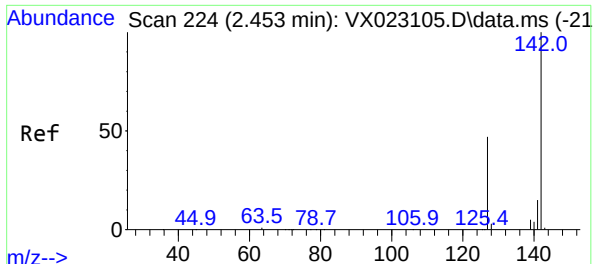
MMDadoda
7/9/2021 5:42:12 PM



#8
Diethyl Ether
Concen: 0.206 ug/l
RT: 2.154 min Scan# 175
Delta R.T. 0.012 min
Lab File: VX023189.D
Acq: 08 Jul 2021 11:07

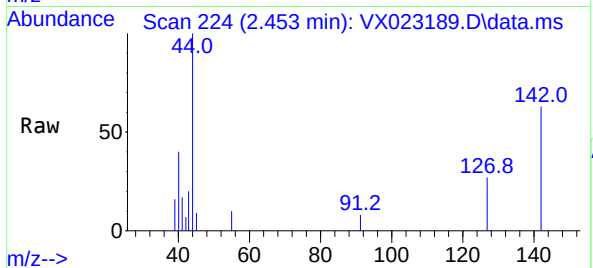
Tgt Ion: 74 Resp: 343
Ion Ratio Lower Upper
74 100
45 106.4 44.5 133.5





#10
Methyl Iodide
Concen: 0.218 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX023189.D
Acq: 08 Jul 2021 11:07

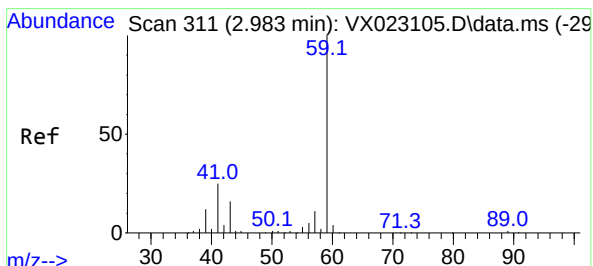
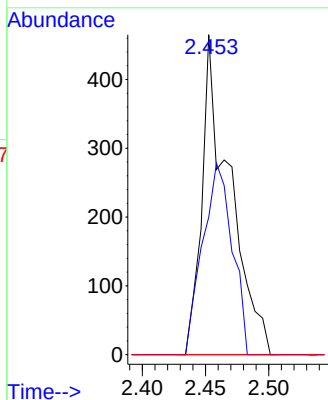
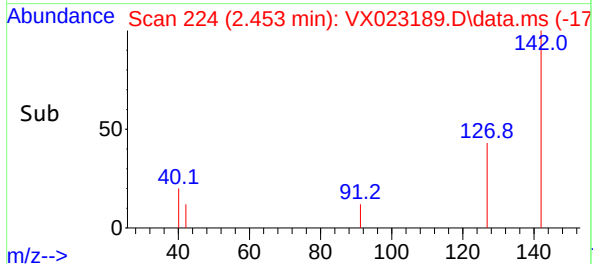
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2021



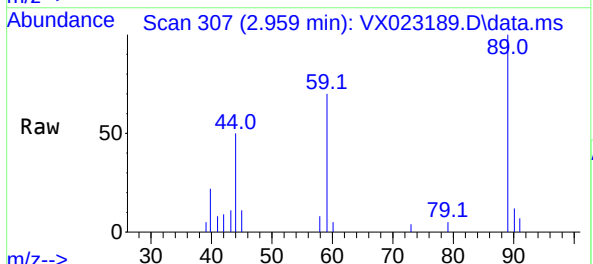
Tgt Ion:142 Resp: 705
Ion Ratio Lower Upper
142 100
127 64.0 33.3 49.9#
141 0.0 11.4 17.0#

Manual Integrations
APPROVED

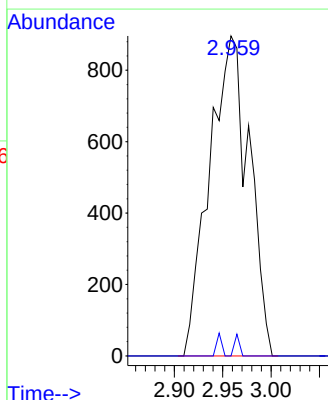
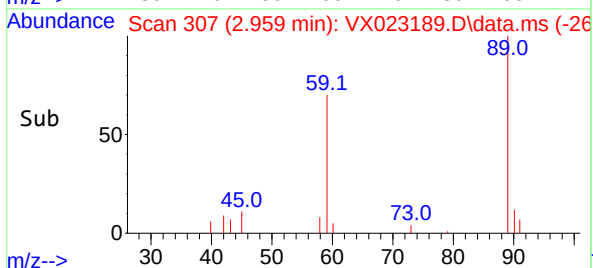
MMDadoda
7/9/2021 5:42:12 PM

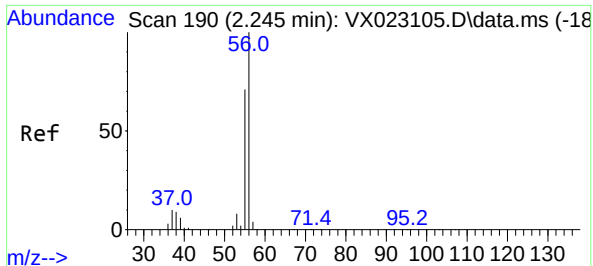


#11
Tert butyl alcohol
Concen: 3.321 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX023189.D
Acq: 08 Jul 2021 11:07



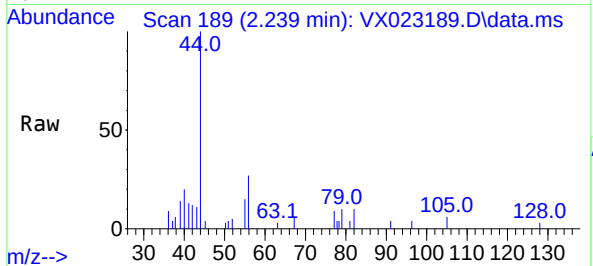
Tgt Ion: 59 Resp: 2562
Ion Ratio Lower Upper
59 100
57 0.9 7.8 11.8#





#13
Acrolein
Concen: 1.337 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.006 min
Lab File: VX023189.D
Acq: 08 Jul 2021 11:07

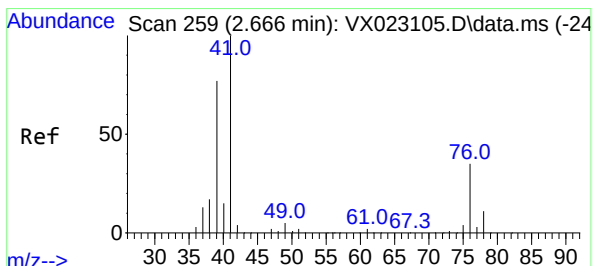
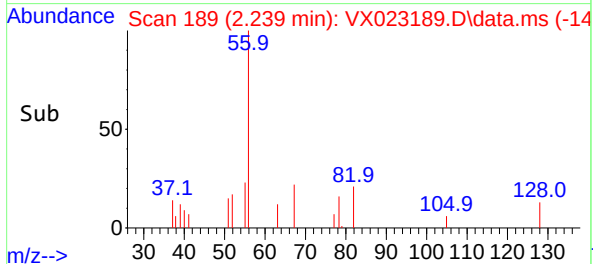
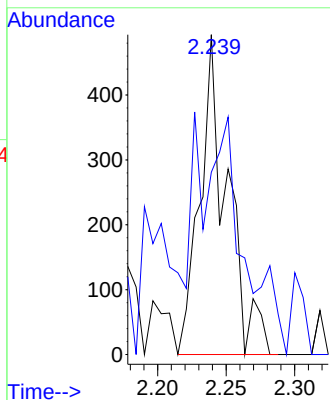
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2021



Tgt Ion: 56 Resp: 687
Ion Ratio Lower Upper
56 100
55 19.4 56.4 84.6#

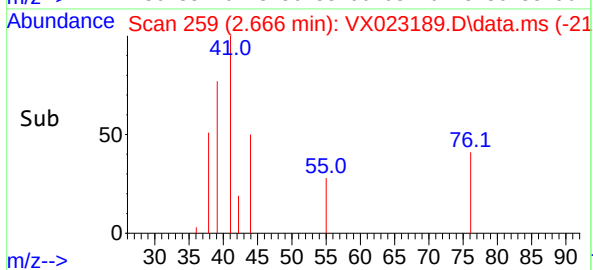
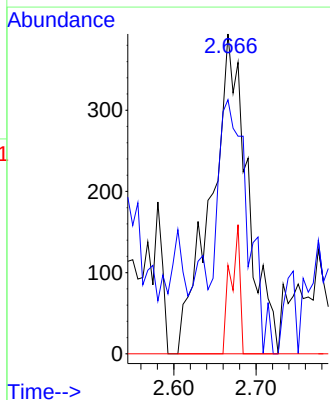
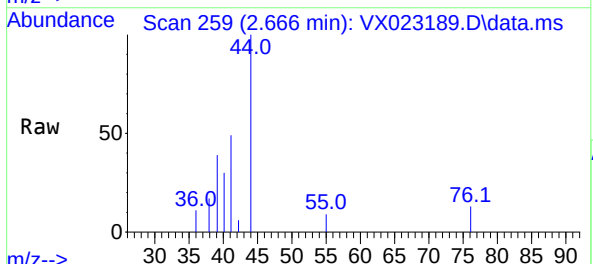
Manual Integrations
APPROVED

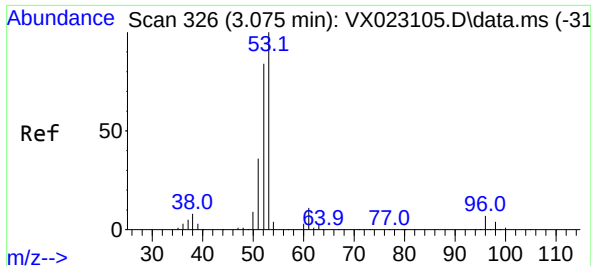
MMDadoda
7/9/2021 5:42:12 PM



#14
Allyl chloride
Concen: 0.287 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX023189.D
Acq: 08 Jul 2021 11:07

Tgt Ion: 41 Resp: 1215
Ion Ratio Lower Upper
41 100
39 65.7 51.6 77.4
76 10.5 30.5 45.7#





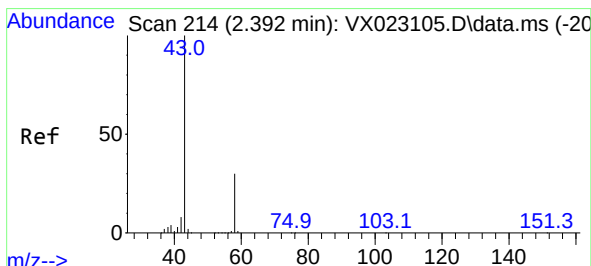
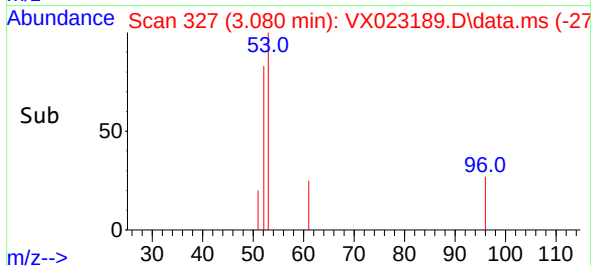
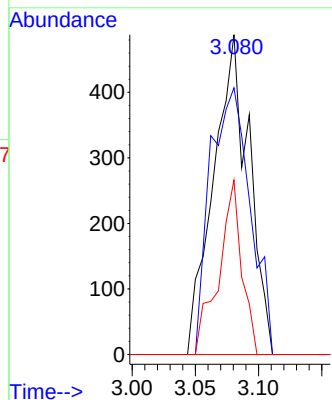
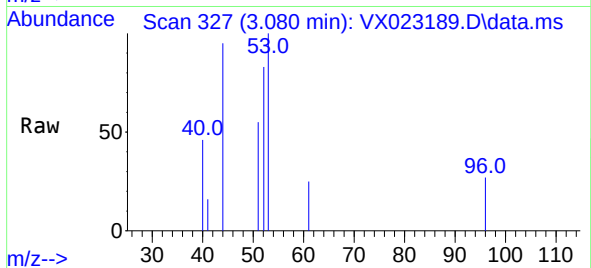
#15
Acrylonitrile
Concen: 0.637 ug/l
RT: 3.080 min Scan# 327
Delta R.T. 0.005 min
Lab File: VX023189.D
Acq: 08 Jul 2021 11:07

Tgt Ion: 53	Resp: 956
Ion Ratio	Lower Upper
53	100
52	93.5 65.3 97.9
51	35.1 28.2 42.2

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2021

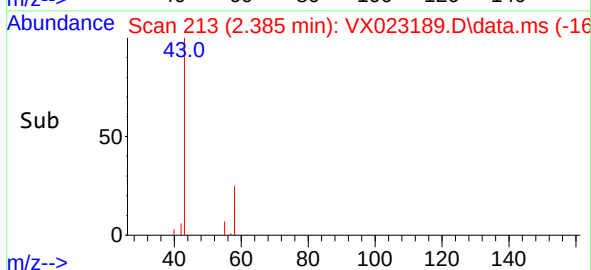
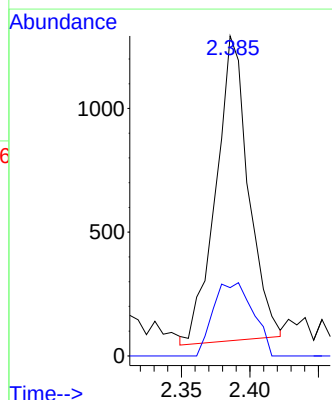
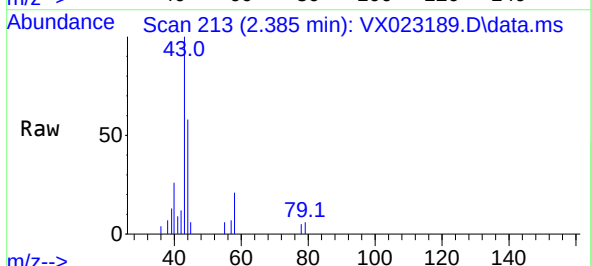
Manual Integrations
APPROVED

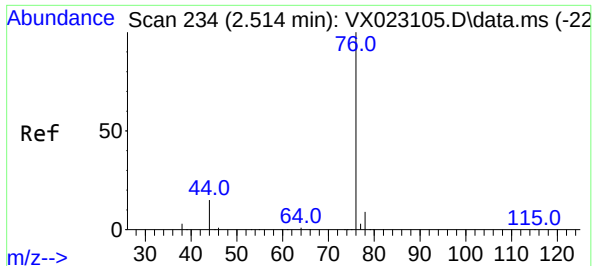
MMDadoda
7/9/2021 5:42:12 PM



#16
Acetone
Concen: 1.400 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.007 min
Lab File: VX023189.D
Acq: 08 Jul 2021 11:07

Tgt Ion: 43	Resp: 2031
Ion Ratio	Lower Upper
43	100
58	22.7 27.8 41.8#





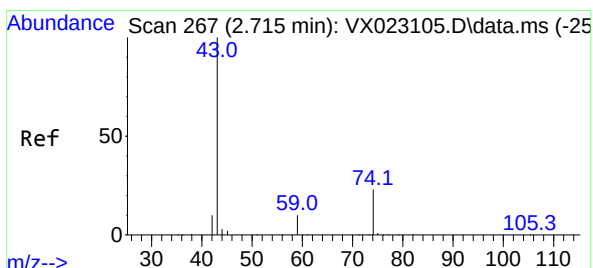
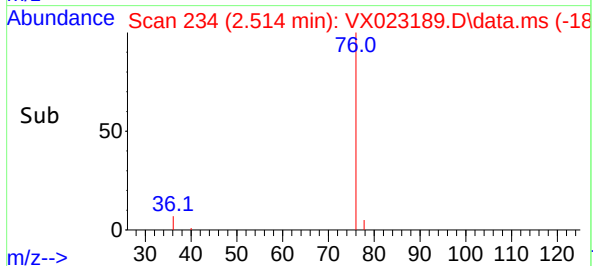
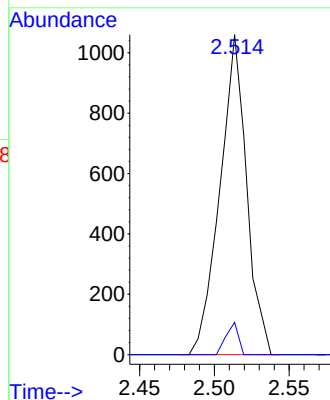
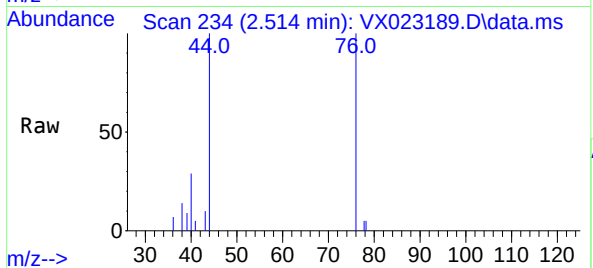
#17
Carbon Disulfide
Concen: 0.256 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023189.D
Acq: 08 Jul 2021 11:07

Tgt Ion: 76 Resp: 1314
Ion Ratio Lower Upper
76 100
78 10.1 7.2 10.8

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2021

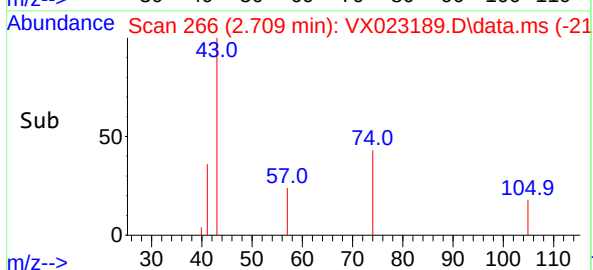
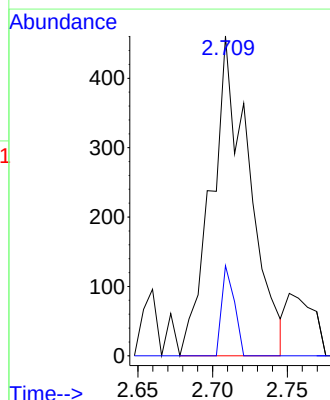
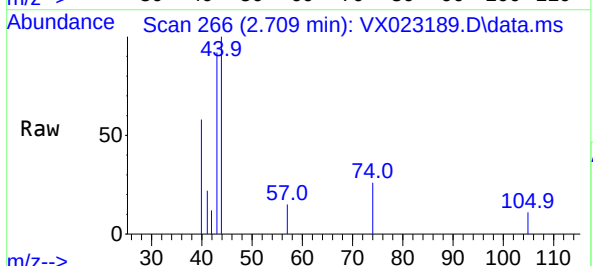
Manual Integrations
APPROVED

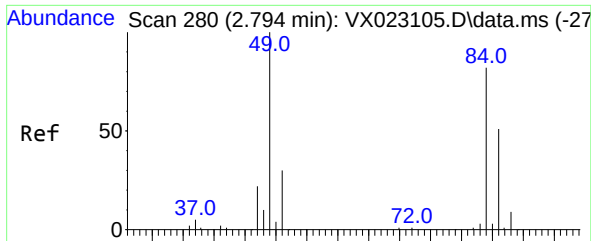
MMDadoda
7/9/2021 5:42:12 PM



#18
Methyl Acetate
Concen: 0.230 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.006 min
Lab File: VX023189.D
Acq: 08 Jul 2021 11:07

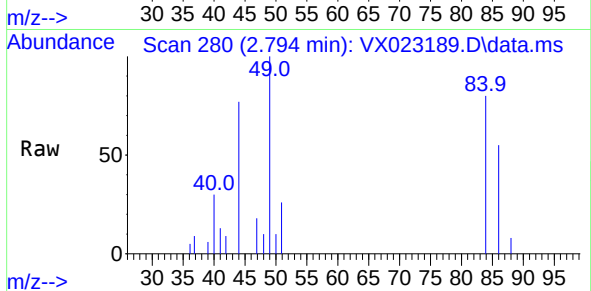
Tgt Ion: 43 Resp: 810
Ion Ratio Lower Upper
43 100
74 9.4 21.9 32.9#





#20
Methylene Chloride
Concen: 0.436 ug/l
RT: 2.794 min Scan# 280
Delta R.T. -0.000 min
Lab File: VX023189.D
Acq: 08 Jul 2021 11:07

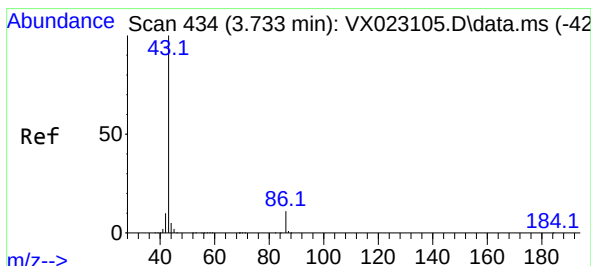
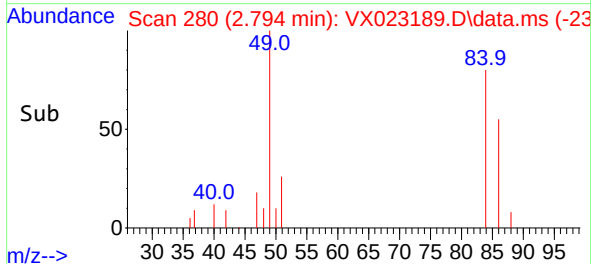
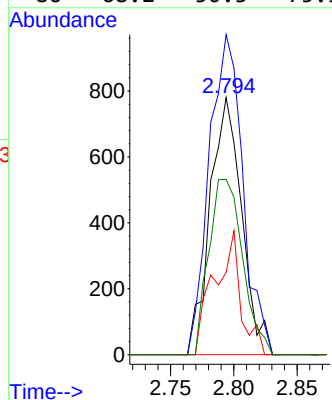
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2021



Tgt Ion:	84	Resp:	1362
Ion	Ratio	Lower	Upper
84	100		
49	124.5	88.6	132.8
51	31.9	27.0	40.6
86	68.2	50.3	75.5

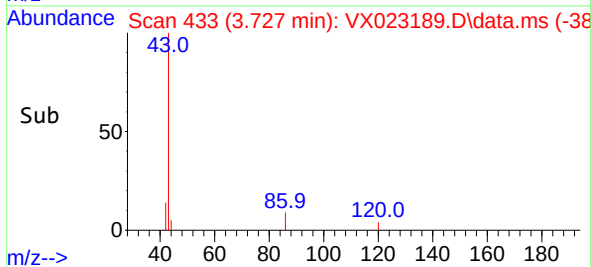
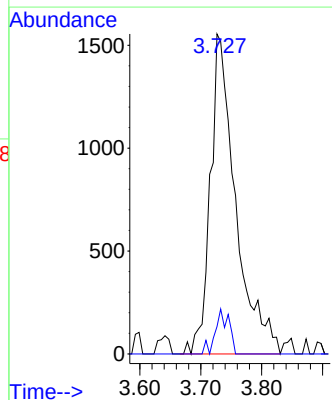
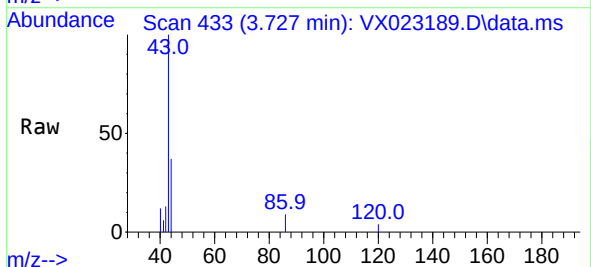
Manual Integrations
APPROVED

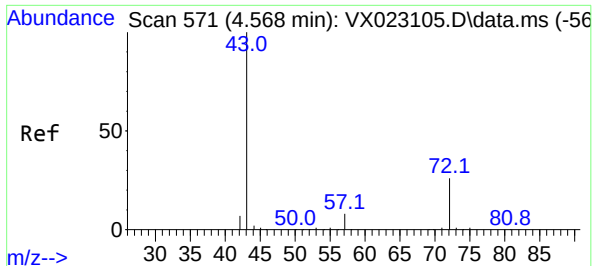
MMDadoda
7/9/2021 5:42:12 PM



#23
Vinyl Acetate
Concen: 0.596 ug/l
RT: 3.727 min Scan# 433
Delta R.T. -0.006 min
Lab File: VX023189.D
Acq: 08 Jul 2021 11:07

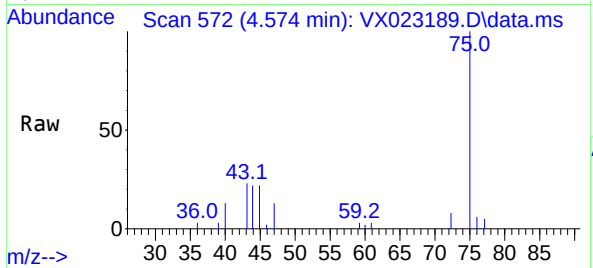
Tgt Ion:	43	Resp:	4495
Ion	Ratio	Lower	Upper
43	100		
86	8.6	9.9	14.9#





#25
2-Butanone
Concen: 0.822 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX023189.D
Acq: 08 Jul 2021 11:07

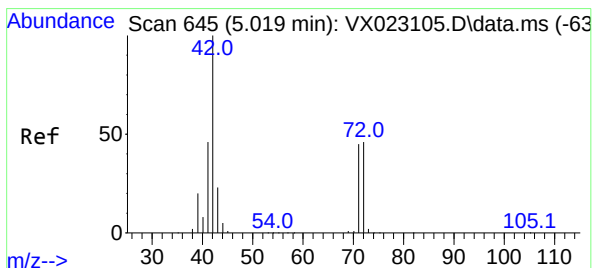
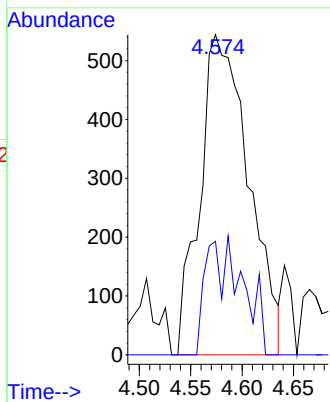
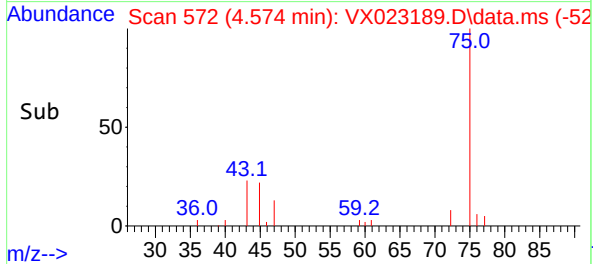
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2021



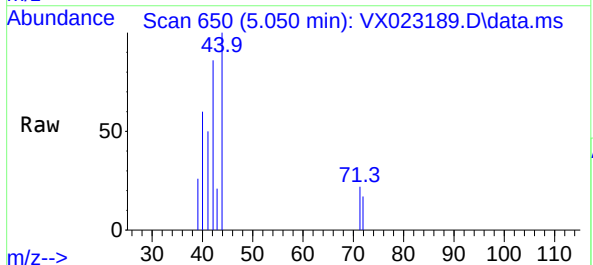
Tgt Ion: 43 Resp: 1798
Ion Ratio Lower Upper
43 100
72 35.5 23.7 35.5

Manual Integrations
APPROVED

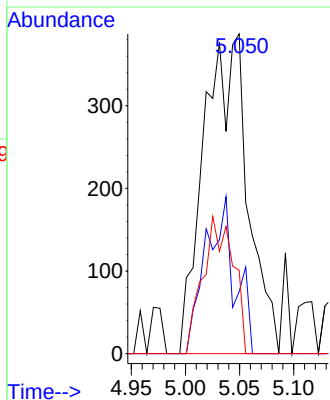
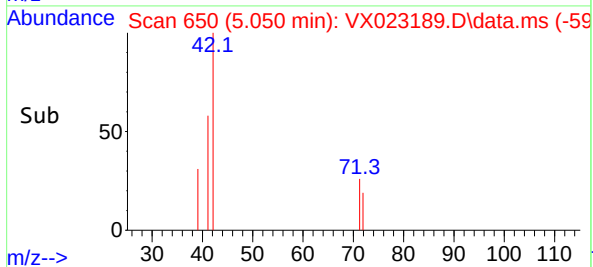
MMDadoda
7/9/2021 5:42:12 PM

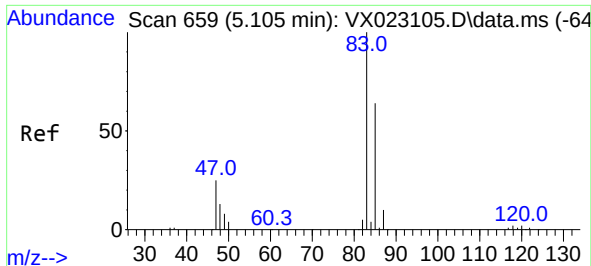


#29
Tetrahydrofuran
Concen: 0.784 ug/l m
RT: 5.050 min Scan# 650
Delta R.T. 0.031 min
Lab File: VX023189.D
Acq: 08 Jul 2021 11:07



Tgt Ion: 42 Resp: 1102
Ion Ratio Lower Upper
42 100
72 32.3 41.7 62.5#
71 29.5 38.4 57.6#





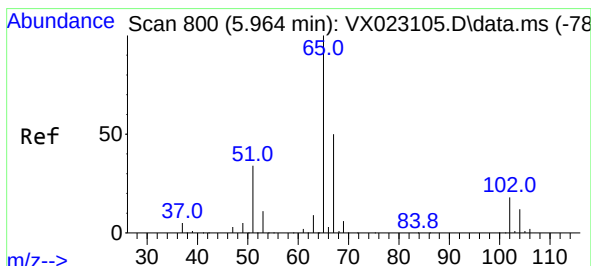
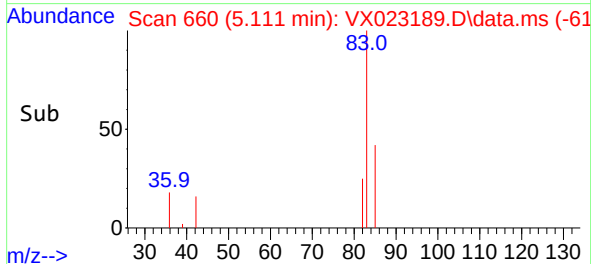
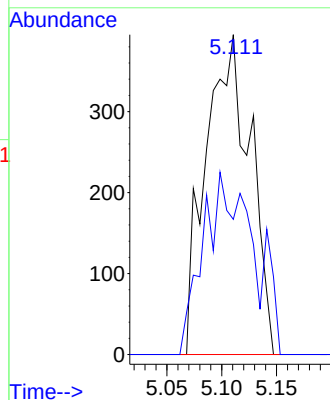
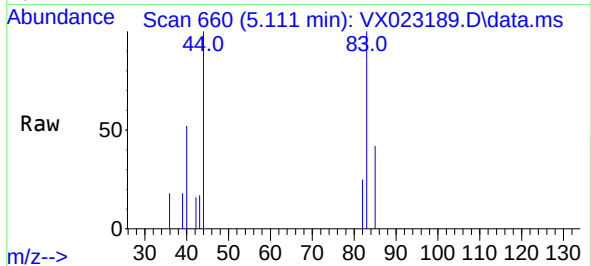
#30
Chloroform
Concen: 0.205 ug/l
RT: 5.111 min Scan# 660
Delta R.T. 0.006 min
Lab File: VX023189.D
Acq: 08 Jul 2021 11:07

Tgt Ion: 83 Resp: 1115
Ion Ratio Lower Upper
83 100
85 42.3 52.0 78.0#

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2021

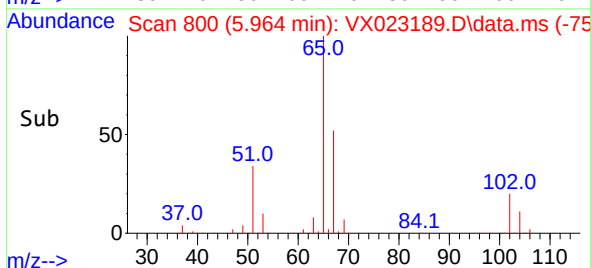
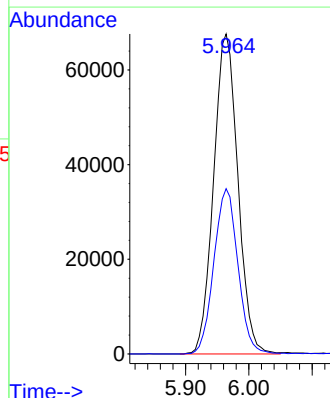
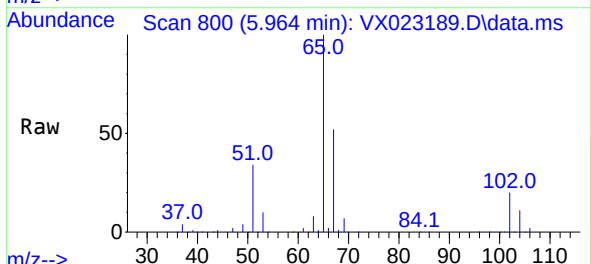
Manual Integrations
APPROVED

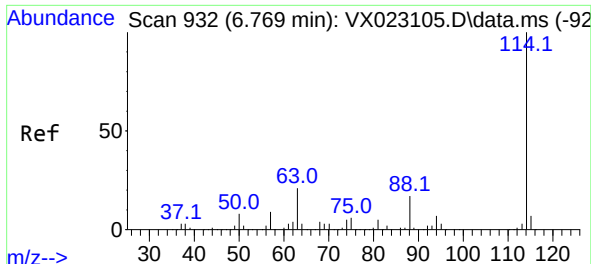
MMDadoda
7/9/2021 5:42:12 PM



#33
1,2-Dichloroethane-d4
Concen: 49.152 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023189.D
Acq: 08 Jul 2021 11:07

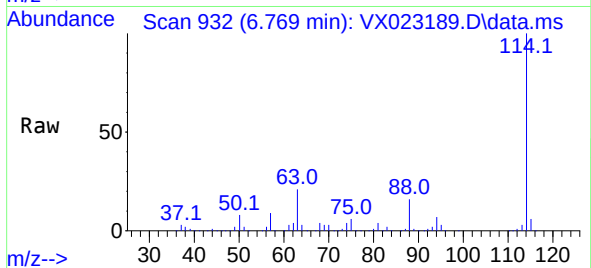
Tgt Ion: 65 Resp: 180232
Ion Ratio Lower Upper
65 100
67 51.1 0.0 105.4





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023189.D
Acq: 08 Jul 2021 11:07

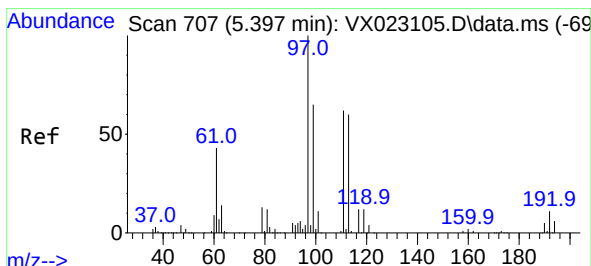
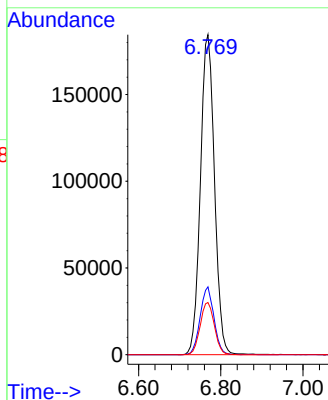
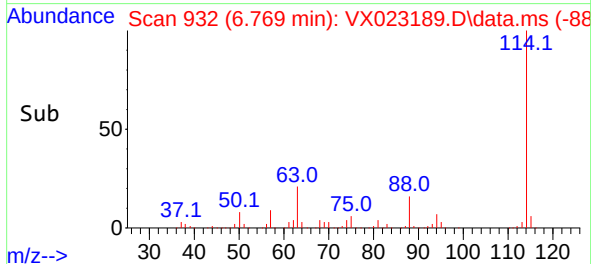
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2021



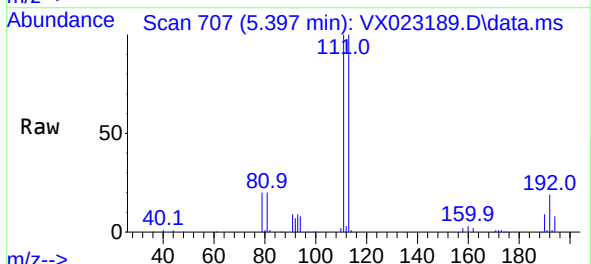
Tgt Ion:114 Resp: 438003
Ion Ratio Lower Upper
114 100
63 21.2 0.0 40.8
88 16.3 0.0 32.8

Manual Integrations
APPROVED

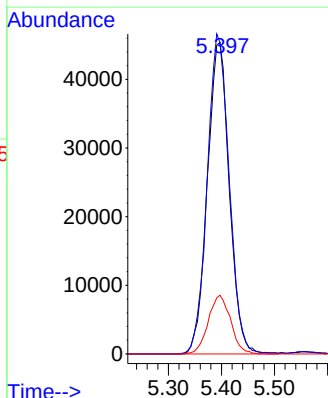
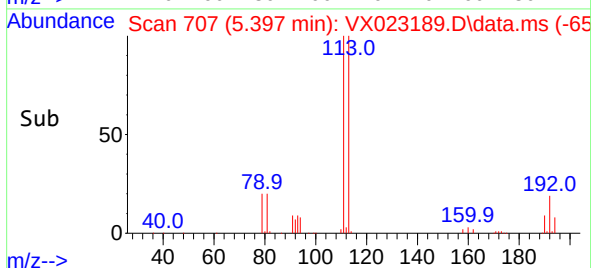
MMDadoda
7/9/2021 5:42:12 PM

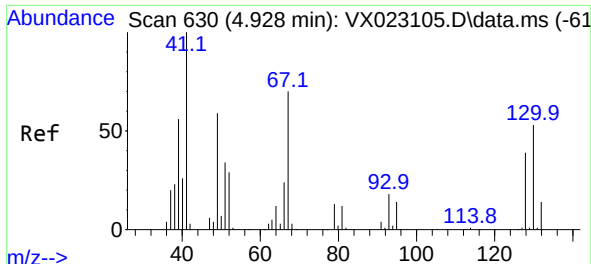


#35
Dibromofluoromethane
Concen: 46.182 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023189.D
Acq: 08 Jul 2021 11:07

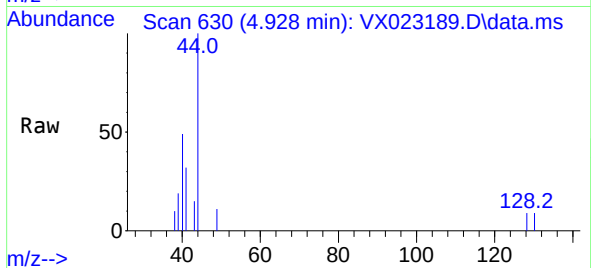


Tgt Ion:113 Resp: 130624
Ion Ratio Lower Upper
113 100
111 102.7 81.9 122.9
192 19.2 16.7 25.1

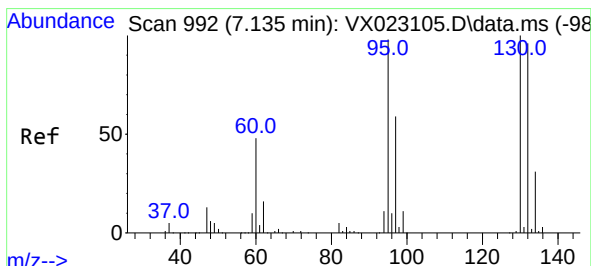
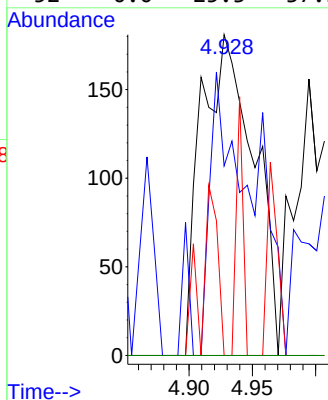
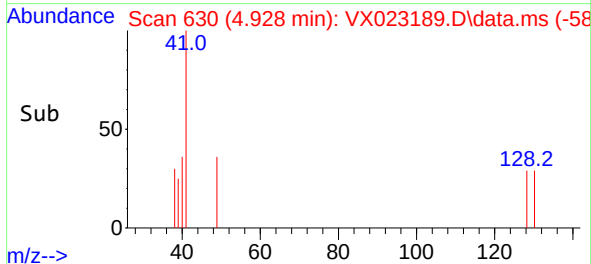




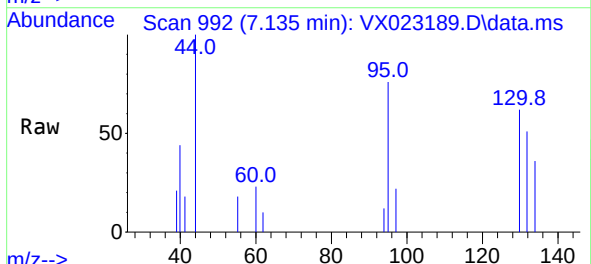
#41
Methacrylonitrile
Concen: 0.220 ug/l
RT: 4.928 min Scan# 630
Delta R.T. -0.000 min
Lab File: VX023189.D
Acq: 08 Jul 2021 11:07



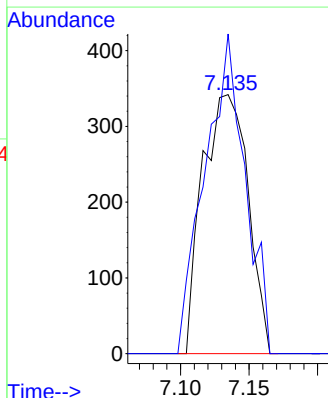
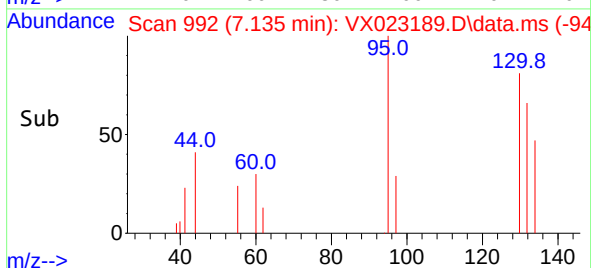
Tgt Ion: 41 Resp: 525
Ion Ratio Lower Upper
41 100
39 51.8 42.5 63.7
67 16.4 65.0 97.6#
52 0.0 25.3 37.9#



#44
Trichloroethene
Concen: 0.246 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.000 min
Lab File: VX023189.D
Acq: 08 Jul 2021 11:07



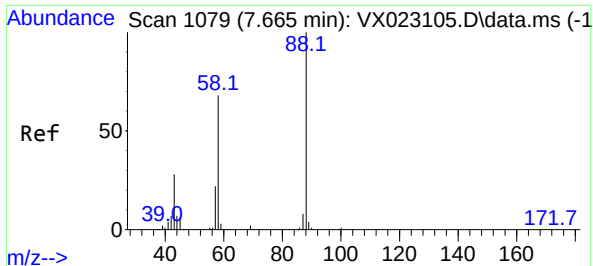
Tgt Ion: 130 Resp: 792
Ion Ratio Lower Upper
130 100
95 123.4 0.0 198.0



Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2021

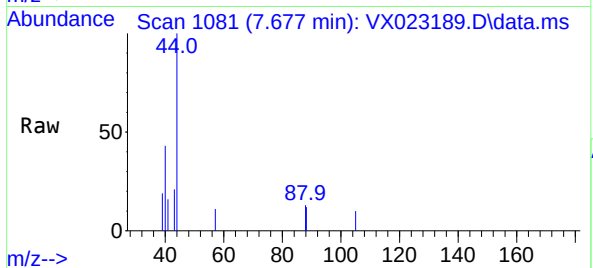
Manual Integrations
APPROVED

MMDadoda
7/9/2021 5:42:12 PM



#49
1,4-Dioxane
Concen: 2.761 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.012 min
Lab File: VX023189.D
Acq: 08 Jul 2021 11:07

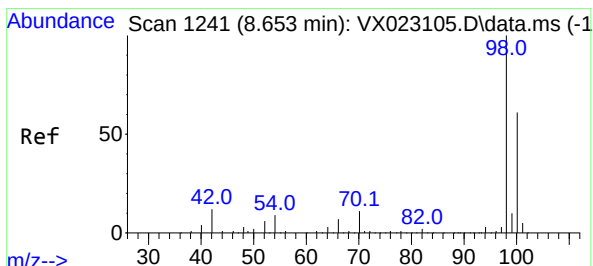
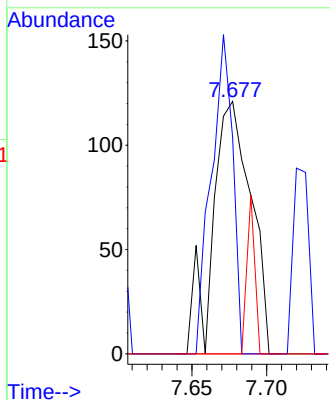
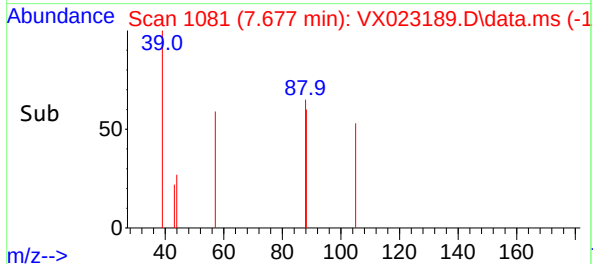
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2021



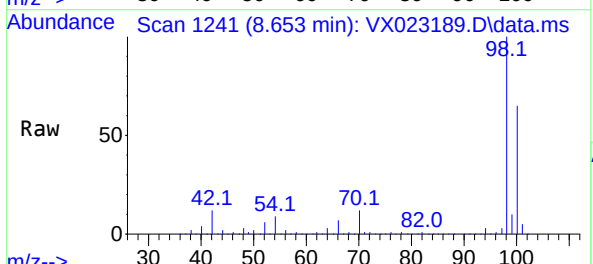
Tgt Ion: 88 Resp: 216
Ion Ratio Lower Upper
88 100
43 70.8 23.2 34.8#
58 13.0 55.0 82.4#

Manual Integrations
APPROVED

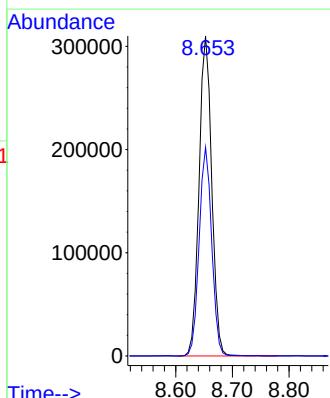
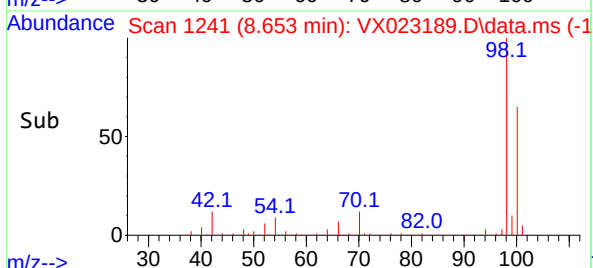
MMDadoda
7/9/2021 5:42:12 PM

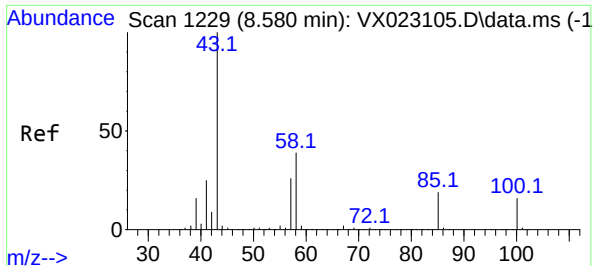


#50
Toluene-d8
Concen: 45.652 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023189.D
Acq: 08 Jul 2021 11:07



Tgt Ion: 98 Resp: 481663
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9





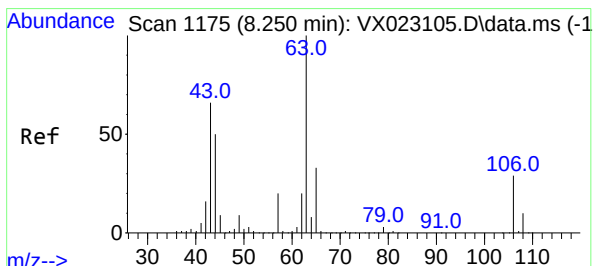
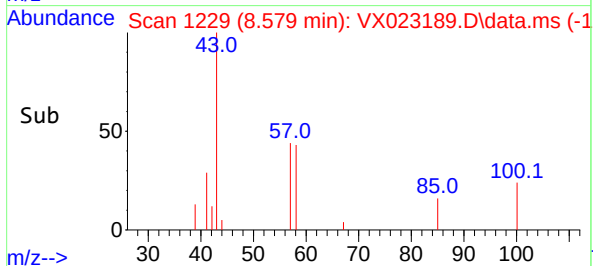
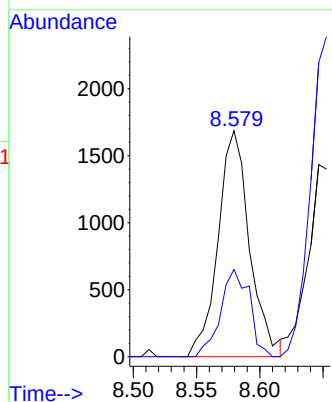
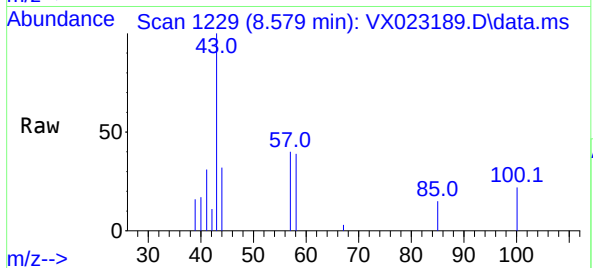
#51
4-Methyl-2-Pentanone
Concen: 0.666 ug/l
RT: 8.579 min Scan# 1229
Delta R.T. -0.001 min
Lab File: VX023189.D
Acq: 08 Jul 2021 11:07

Tgt Ion: 43 Resp: 2922
Ion Ratio Lower Upper
43 100
58 35.4 35.4 53.0#

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2021

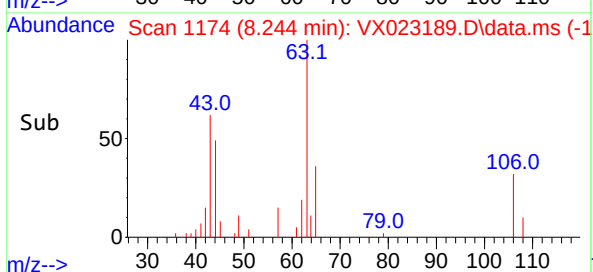
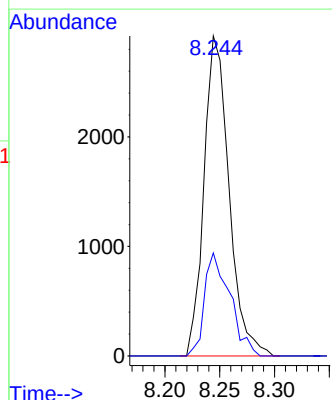
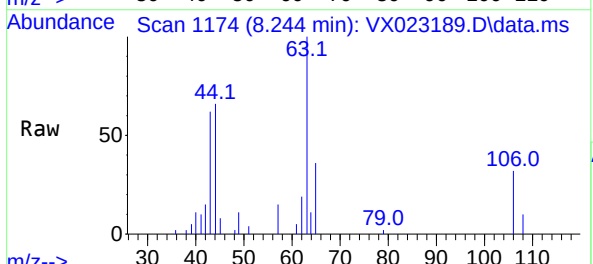
Manual Integrations
APPROVED

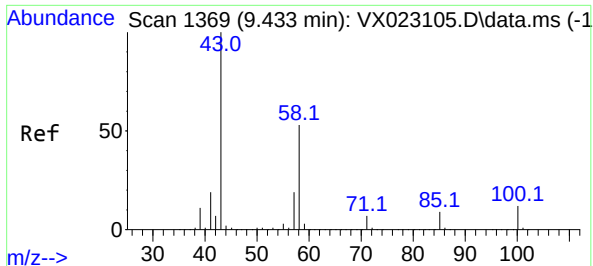
MMDadoda
7/9/2021 5:42:12 PM



#58
2-Chloroethyl Vinyl ether
Concen: 1.994 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. -0.006 min
Lab File: VX023189.D
Acq: 08 Jul 2021 11:07

Tgt Ion: 63 Resp: 4644
Ion Ratio Lower Upper
63 100
106 32.7 23.5 35.3





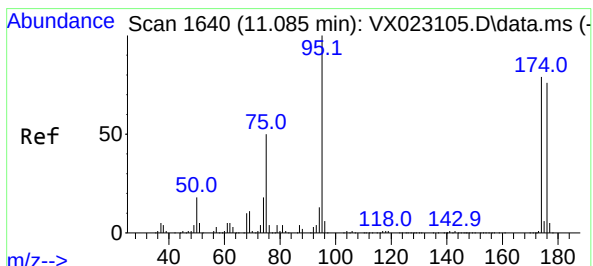
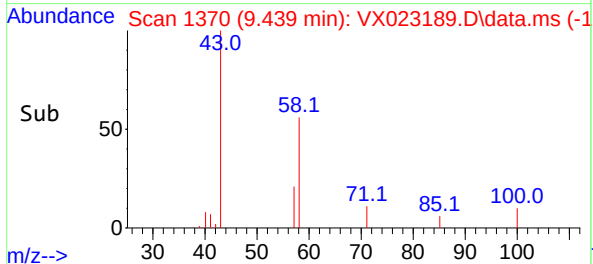
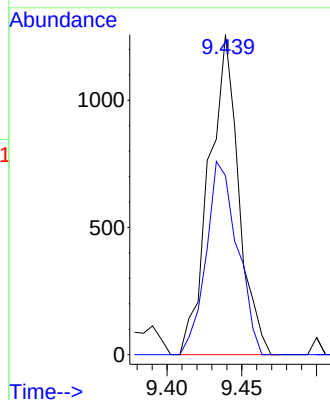
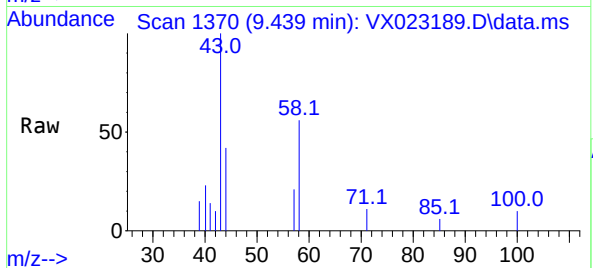
#59
2-Hexanone
Concen: 0.517 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VX023189.D
Acq: 08 Jul 2021 11:07

Tgt Ion: 43 Resp: 1741
Ion Ratio Lower Upper
43 100
58 63.6 30.9 92.8

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2021

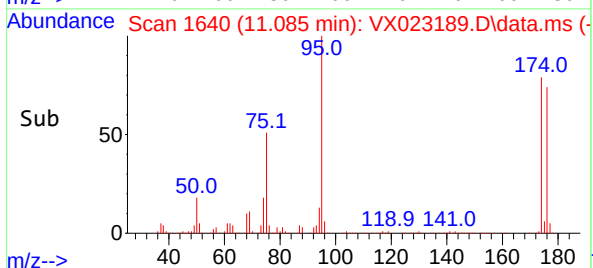
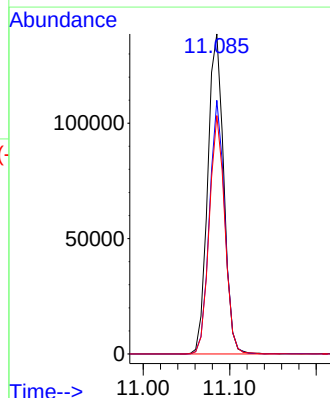
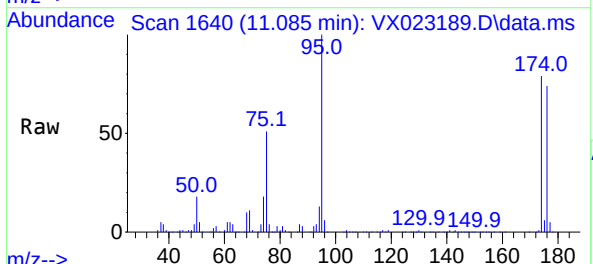
Manual Integrations
APPROVED

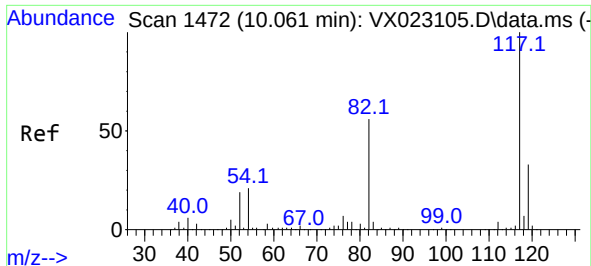
MMDadoda
7/9/2021 5:42:12 PM



#62
4-Bromofluorobenzene
Concen: 43.635 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023189.D
Acq: 08 Jul 2021 11:07

Tgt Ion: 95 Resp: 177733
Ion Ratio Lower Upper
95 100
174 75.5 0.0 154.6
176 72.1 0.0 155.8





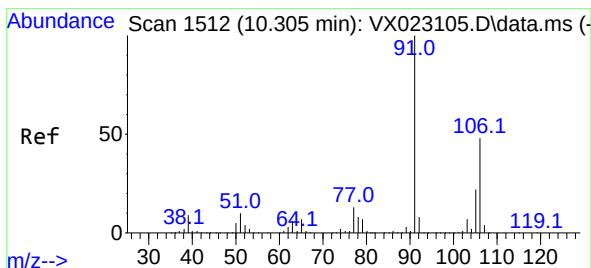
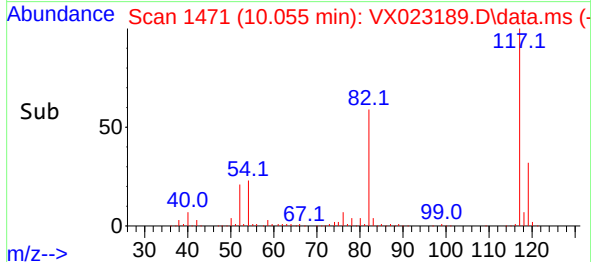
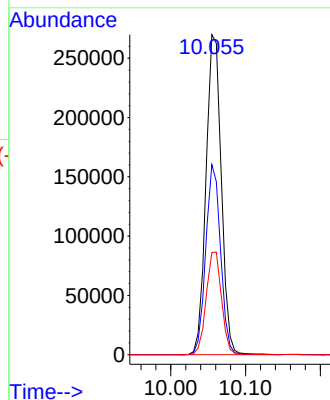
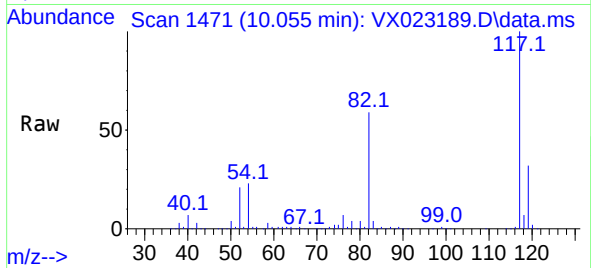
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023189.D
Acq: 08 Jul 2021 11:07

Tgt Ion:117 Resp: 383058
Ion Ratio Lower Upper
117 100
82 59.4 47.4 71.2
119 31.9 26.6 39.8

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2021

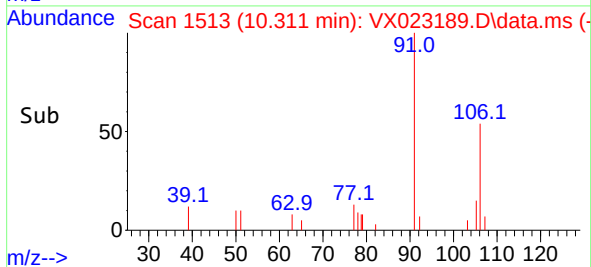
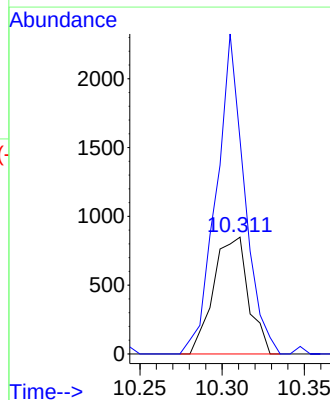
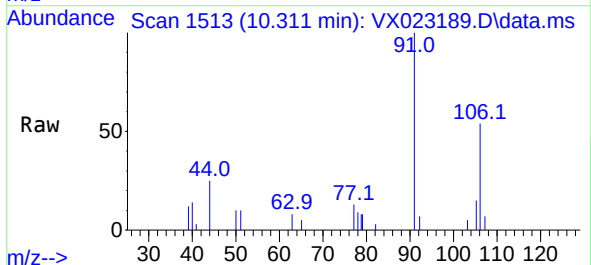
Manual Integrations
APPROVED

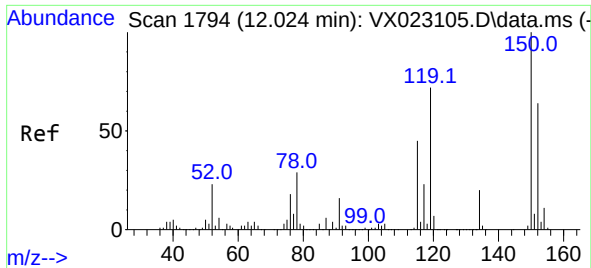
MMDadoda
7/9/2021 5:42:12 PM



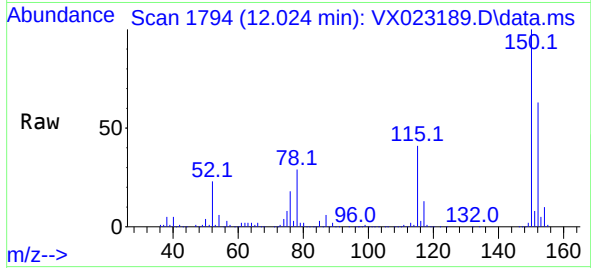
#68
m/p-Xylenes
Concen: 0.245 ug/l
RT: 10.311 min Scan# 1513
Delta R.T. 0.006 min
Lab File: VX023189.D
Acq: 08 Jul 2021 11:07

Tgt Ion:106 Resp: 1252
Ion Ratio Lower Upper
106 100
91 221.4 162.8 244.2

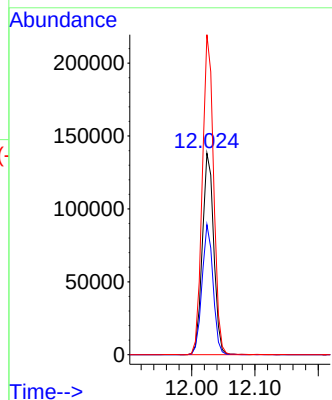
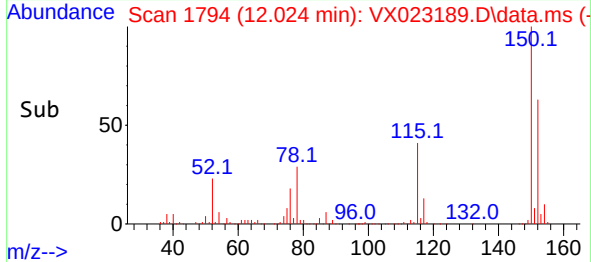




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. -0.000 min
 Lab File: VX023189.D
 Acq: 08 Jul 2021 11:07



Tgt Ion:152 Resp: 173403
 Ion Ratio Lower Upper
 152 100
 115 62.6 41.1 123.3
 150 157.5 0.0 349.0



Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2021

Manual Integrations
 APPROVED

MMDadoda
 7/9/2021 5:42:12 PM