

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032921\
 Data File : VN066373.D
 Acq On : 29 Mar 2021 13:51
 Operator : JC/MD
 Sample : M1458-09 0.2PPB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2021

Manual Integrations
 APPROVED

MMDadoda
 3/30/2021 7:50:46 PM

Quant Time: Mar 30 03:02:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032521W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 30 02:59:02 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.584	168	464952	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.512	114	731766	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.347	117	679528	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.289	152	252018	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.947	65	311577	50.41	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.82%			
35) Dibromofluoromethane	7.507	113	242517	49.99	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.98%			
50) Toluene-d8	10.028	98	917861	49.88	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.76%			
62) 4-Bromofluorobenzene	12.345	95	286878	44.89	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 89.78%			
Target Compounds						Qvalue
3) Chloromethane	2.017	50	5474	0.80	ug/l	98
4) Vinyl Chloride	2.145	62	1345	0.20	ug/l	93
5) Bromomethane	2.516	94	2182m	0.49	ug/l	
6) Chloroethane	2.652	64	1137m	0.27	ug/l	
8) Diethyl Ether	3.339	74	1002	0.27	ug/l	52
10) Methyl Iodide	3.873	142	1633m	0.22	ug/l	
11) Tert butyl alcohol	4.704	59	1092m	1.16	ug/l	
12) 1,1-Dichloroethene	3.658	96	2133m	0.40	ug/l	
13) Acrolein	3.529	56	5879	9.61	ug/l #	79
15) Acrylonitrile	4.881	53	3106m	1.18	ug/l	
16) Acetone	3.744	43	7779m	2.33	ug/l	
17) Carbon Disulfide	3.964	76	4757	0.30	ug/l #	80
18) Methyl Acetate	4.232	43	4403m	0.50	ug/l	
19) Methyl tert-butyl Ether	4.943	73	4044m	0.26	ug/l	
20) Methylene Chloride	4.449	84	2866m	0.45	ug/l	
21) trans-1,2-Dichloroethene	4.935	96	1159m	0.24	ug/l	
22) Diisopropyl ether	5.847	45	3382m	0.21	ug/l	
23) Vinyl Acetate	5.804	43	14677m	1.05	ug/l	
24) 1,1-Dichloroethane	5.729	63	2066m	0.23	ug/l	
25) 2-Butanone	6.761	43	5077m	1.39	ug/l	
26) 2,2-Dichloropropane	6.732	77	2080m	0.26	ug/l	
27) cis-1,2-Dichloroethene	6.740	96	1420m	0.25	ug/l	
28) Bromochloromethane	7.099	49	927m	0.20	ug/l	
29) Tetrahydrofuran	7.131	42	3269	1.37	ug/l #	66
30) Chloroform	7.292	83	1979	0.22	ug/l	97
31) Cyclohexane	7.582	56	11510	1.35	ug/l #	4
32) 1,1,1-Trichloroethane	7.483	97	1599	0.20	ug/l #	41
36) 1,1-Dichloropropene	7.711	75	1594m	0.23	ug/l	
37) Ethyl Acetate	6.828	43	3058m	0.40	ug/l	
40) Benzene	7.957	78	4567	0.22	ug/l	96
41) Methacrylonitrile	7.067	41	810m	0.22	ug/l	
42) 1,2-Dichloroethane	8.048	62	1963	0.26	ug/l	79
43) Isopropyl Acetate	8.091	43	2860m	0.22	ug/l	
44) Trichloroethene	8.770	130	1727	0.32	ug/l	87
48) Methyl methacrylate	9.140	41	1251	0.20	ug/l #	80
49) 1,4-Dioxane	9.148	88	464	6.00	ug/l #	47

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032921\
 Data File : VN066373.D
 Acq On : 29 Mar 2021 13:51
 Operator : JC/MD
 Sample : M1458-09 0.2PPB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2021

Manual Integrations
 APPROVED

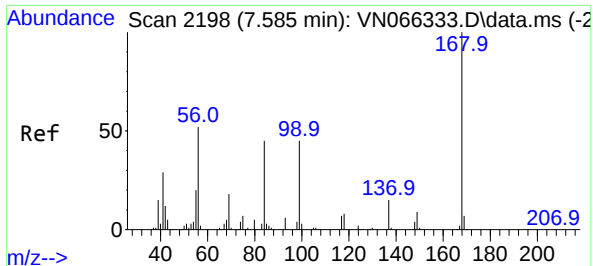
MMDadoda
 3/30/2021 7:50:46 PM

Quant Time: Mar 30 03:02:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032521W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 30 02:59:02 2021
 Response via : Initial Calibration

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

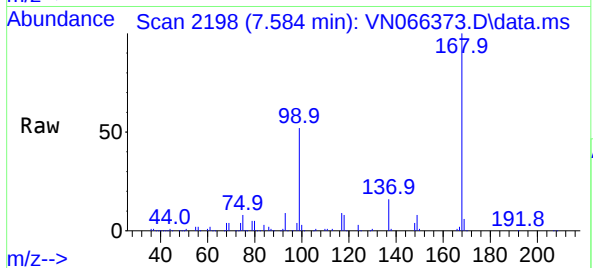
51) 4-Methyl-2-Pentanone	9.920	43	7886	1.04	ug/l	94
56) Ethyl methacrylate	10.368	69	1634	0.21	ug/l #	75
58) 2-Chloroethyl Vinyl ether	9.636	63	693	0.98	ug/l	99
59) 2-Hexanone	10.698	43	4938	0.93	ug/l	89
65) Chlorobenzene	11.371	112	2884	0.21	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.447	131	1071m	0.21	ug/l	
68) m/p-Xylenes	11.573	106	3066m	0.33	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.452	83	1322	0.22	ug/l #	78
76) 1,2,3-Trichloropropane	12.501	75	1801m	0.33	ug/l	
77) Bromobenzene	12.471	156	1002	0.21	ug/l	93
82) 4-Chlorotoluene	12.723	91	2842m	0.23	ug/l	
83) tert-Butylbenzene	12.935	119	2853	0.22	ug/l	97
88) 1,4-Dichlorobenzene	13.302	146	1738m	0.21	ug/l	
90) Hexachloroethane	13.812	117	737	0.27	ug/l #	43
93) 1,2,4-Trichlorobenzene	14.861	180	1044m	0.22	ug/l	
95) Naphthalene	15.081	128	3505m	0.24	ug/l	
96) 1,2,3-Trichlorobenzene	15.250	180	1144m	0.24	ug/l	

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



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.584 min Scan# 2198
Delta R.T. -0.001 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51

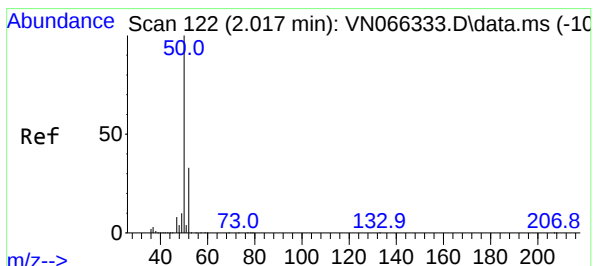
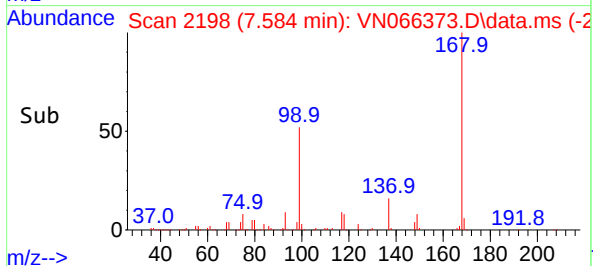
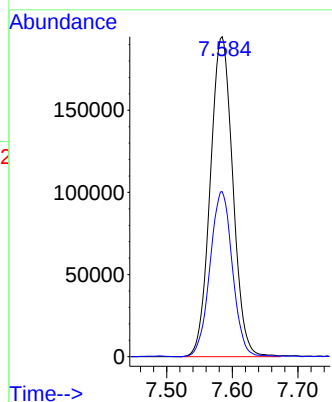
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2021



Tgt Ion:168 Resp: 464952
Ion Ratio Lower Upper
168 100
99 51.6 41.1 61.7

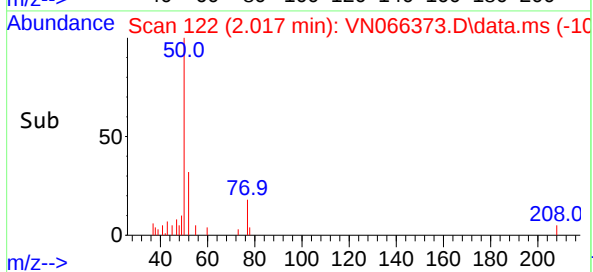
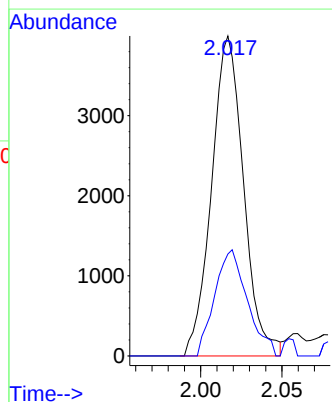
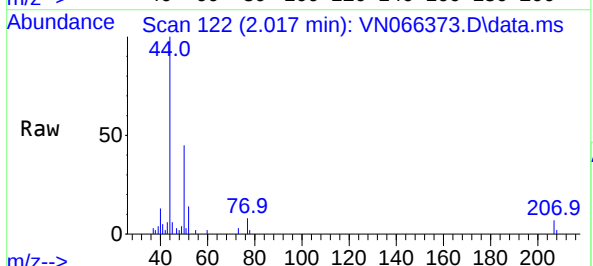
Manual Integrations
APPROVED

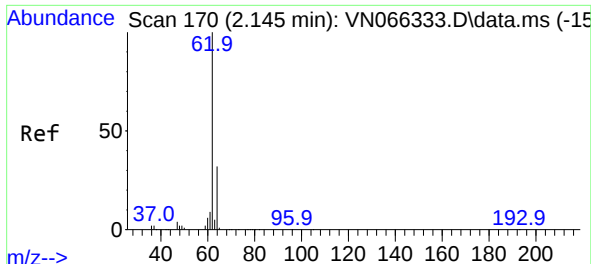
MMDadoda
3/30/2021 7:50:46 PM



#3
Chloromethane
Concen: 0.80 ug/l
RT: 2.017 min Scan# 122
Delta R.T. -0.000 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51

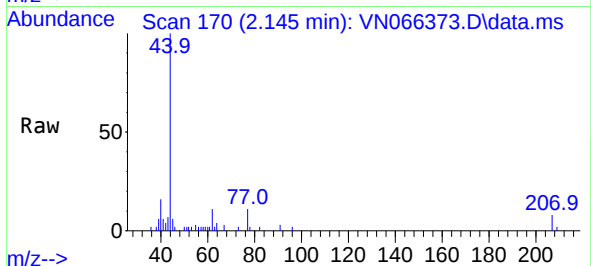
Tgt Ion: 50 Resp: 5474
Ion Ratio Lower Upper
50 100
52 31.8 26.2 39.2





#4
 Vinyl Chloride
 Concen: 0.20 ug/l
 RT: 2.145 min Scan# 170
 Delta R.T. -0.000 min
 Lab File: VN066373.D
 Acq: 29 Mar 2021 13:51

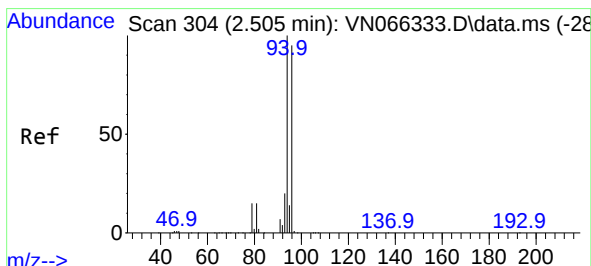
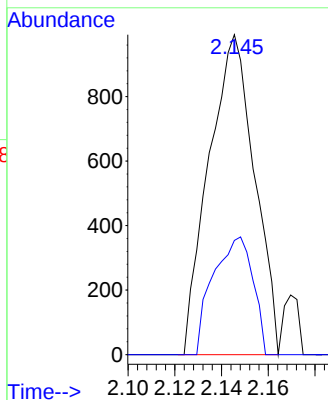
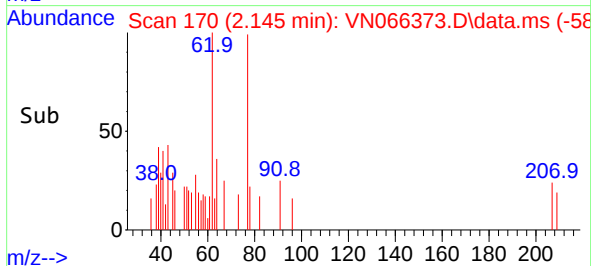
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2021



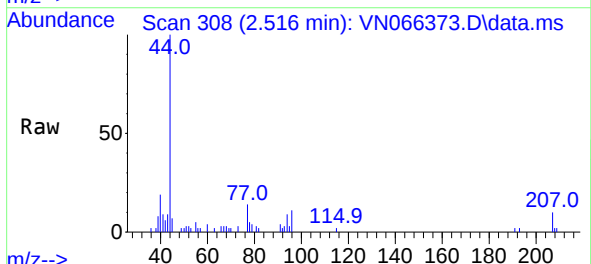
Tgt Ion: 62 Resp: 1345
 Ion Ratio Lower Upper
 62 100
 64 35.7 25.6 38.4

Manual Integrations
 APPROVED

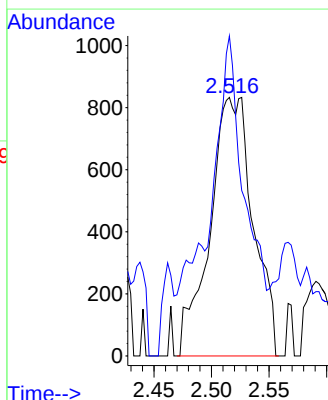
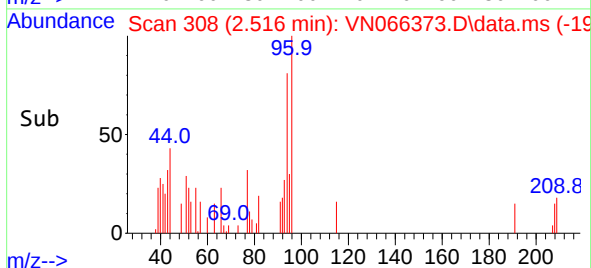
MMDadoda
 3/30/2021 7:50:46 PM

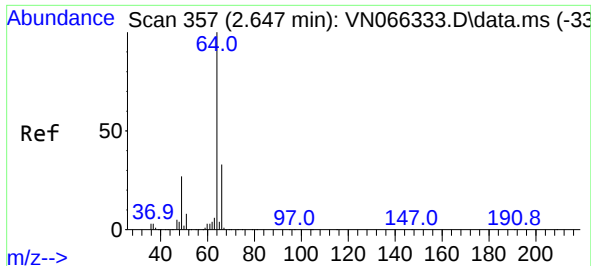


#5
 Bromomethane
 Concen: 0.49 ug/l m
 RT: 2.516 min Scan# 308
 Delta R.T. 0.011 min
 Lab File: VN066373.D
 Acq: 29 Mar 2021 13:51



Tgt Ion: 94 Resp: 2182
 Ion Ratio Lower Upper
 94 100
 96 123.8 75.8 113.6#





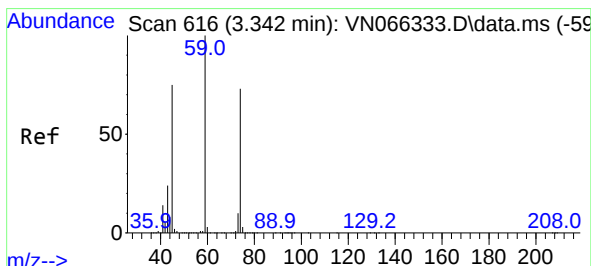
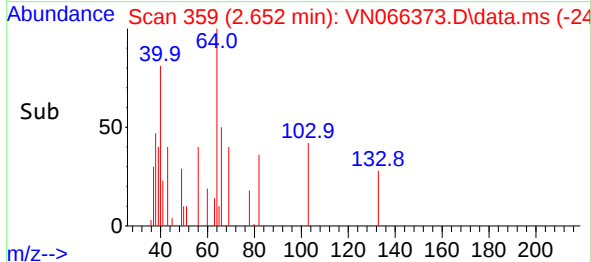
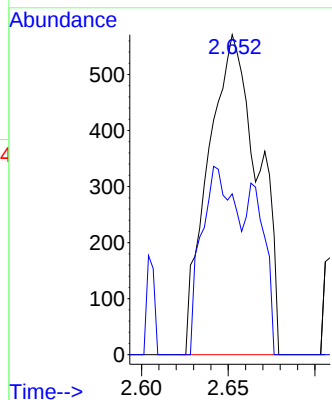
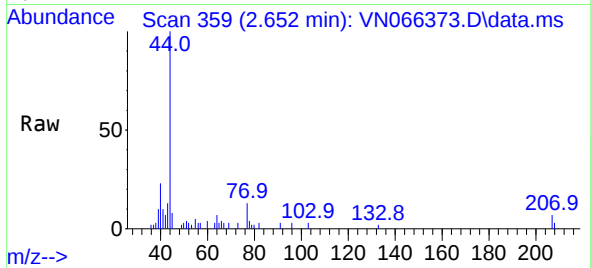
#6
Chloroethane
Concen: 0.27 ug/l m
RT: 2.652 min Scan# 359
Delta R.T. 0.005 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51

Tgt Ion: 64 Resp: 1137
Ion Ratio Lower Upper
64 100
66 50.3 26.1 39.1#

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2021

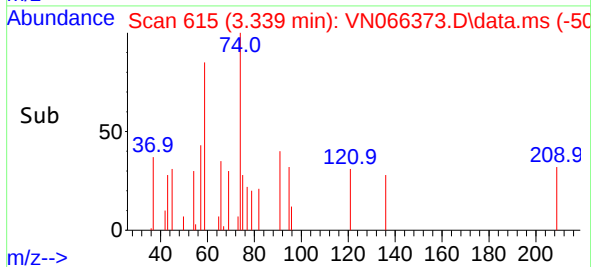
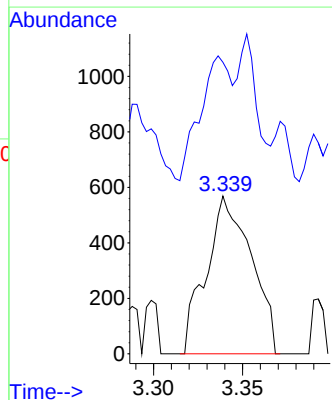
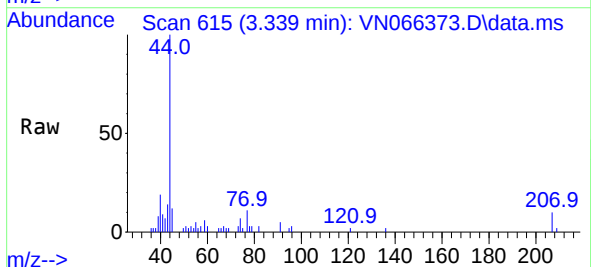
Manual Integrations
APPROVED

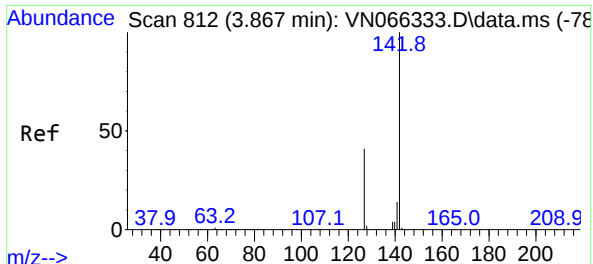
MMDadoda
3/30/2021 7:50:46 PM



#8
Diethyl Ether
Concen: 0.27 ug/l
RT: 3.339 min Scan# 615
Delta R.T. -0.003 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51

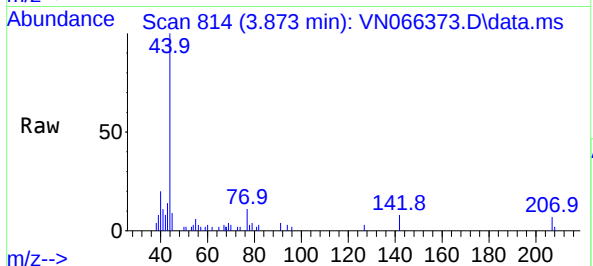
Tgt Ion: 74 Resp: 1002
Ion Ratio Lower Upper
74 100
45 53.9 51.6 154.8





#10
Methyl Iodide
Concen: 0.22 ug/l m
RT: 3.873 min Scan# 814
Delta R.T. 0.005 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51

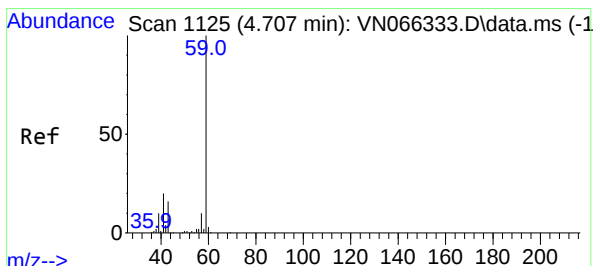
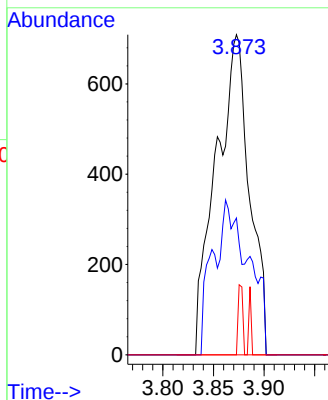
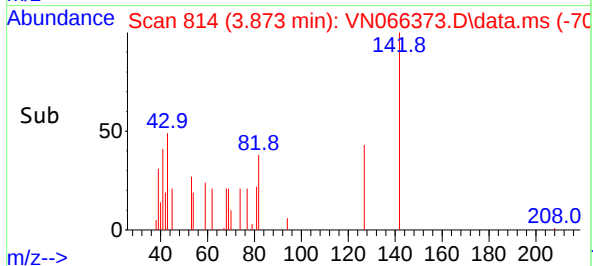
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2021



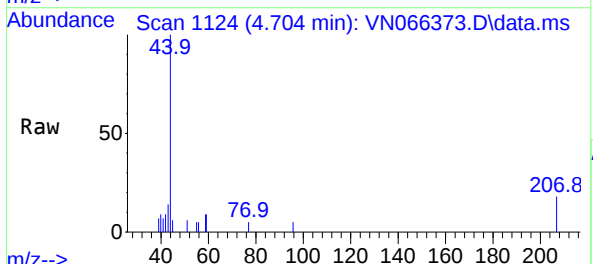
Tgt Ion:142 Resp: 1633
Ion Ratio Lower Upper
142 100
127 12.9 33.0 49.6#
141 3.0 11.1 16.7#

Manual Integrations
APPROVED

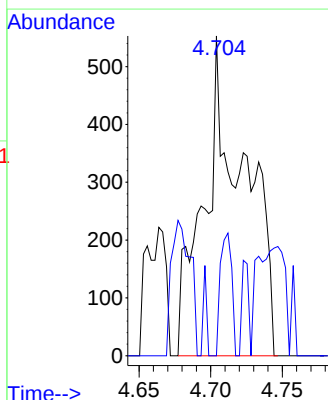
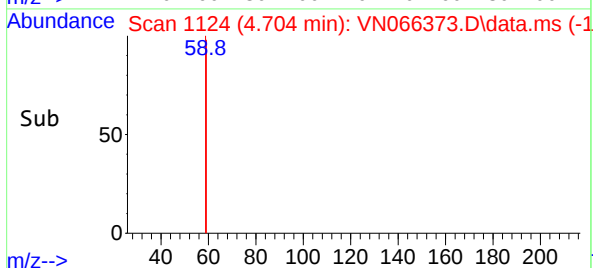
MMDadoda
3/30/2021 7:50:46 PM

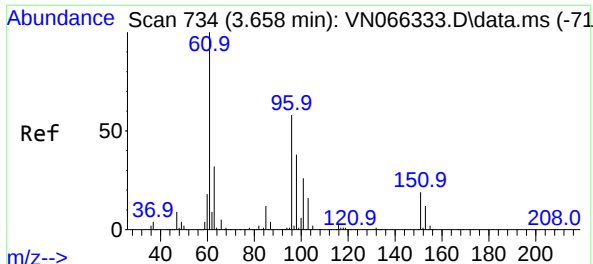


#11
Tert butyl alcohol
Concen: 1.16 ug/l m
RT: 4.704 min Scan# 1124
Delta R.T. -0.003 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51



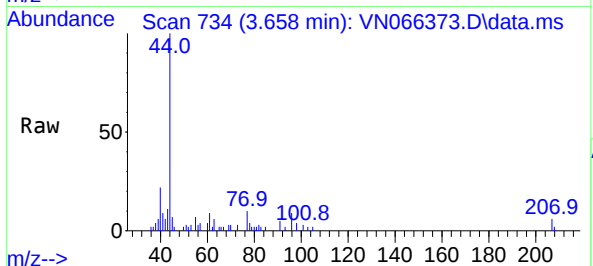
Tgt Ion: 59 Resp: 1092
Ion Ratio Lower Upper
59 100
57 10.6 4.1 6.1#





#12
1,1-Dichloroethene
Concen: 0.40 ug/l m
RT: 3.658 min Scan# 734
Delta R.T. -0.000 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51

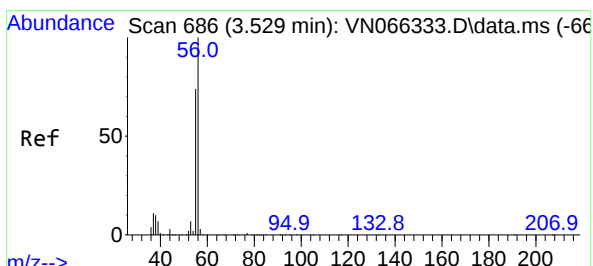
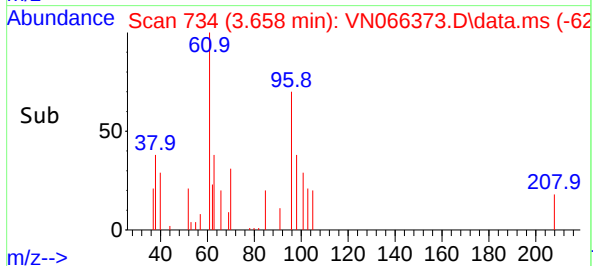
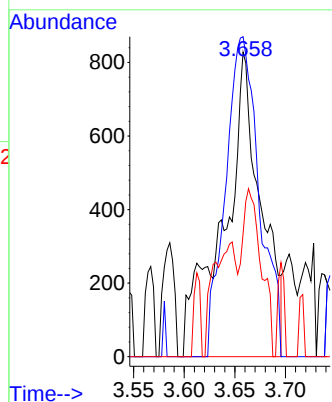
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2021



Tgt Ion: 96 Resp: 2133
Ion Ratio Lower Upper
96 100
61 105.1 137.0 205.4#
98 40.3 51.5 77.3#

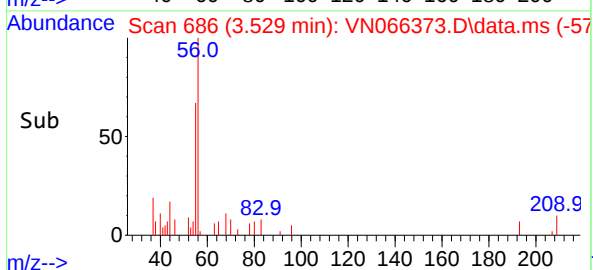
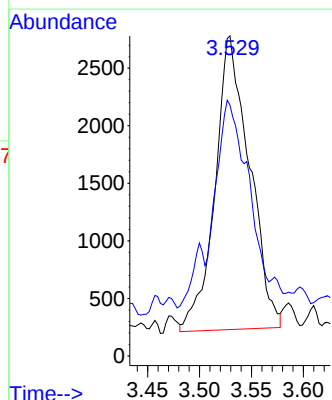
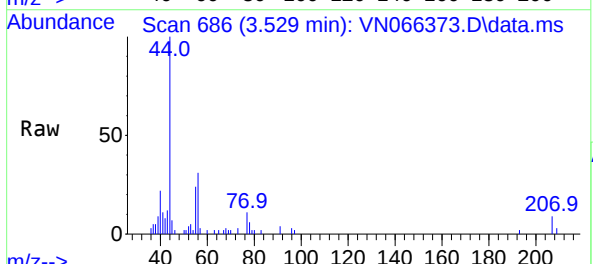
Manual Integrations
APPROVED

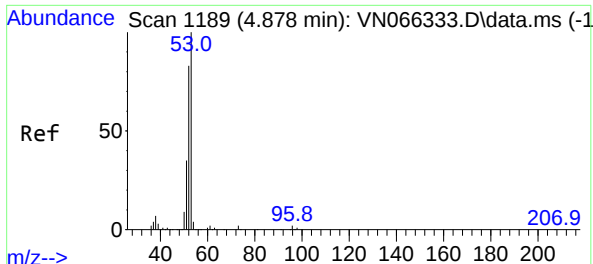
MMDadoda
3/30/2021 7:50:46 PM



#13
Acrolein
Concen: 9.61 ug/l
RT: 3.529 min Scan# 686
Delta R.T. 0.000 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51

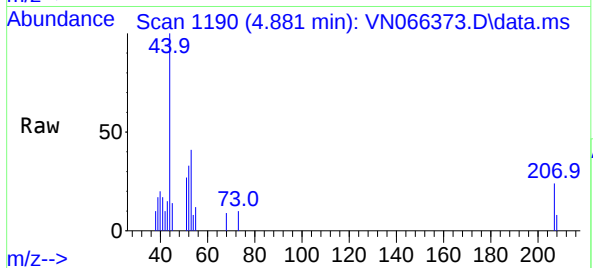
Tgt Ion: 56 Resp: 5879
Ion Ratio Lower Upper
56 100
55 54.8 57.9 86.9#





#15
Acrylonitrile
Concen: 1.18 ug/l m
RT: 4.881 min Scan# 1190
Delta R.T. 0.003 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51

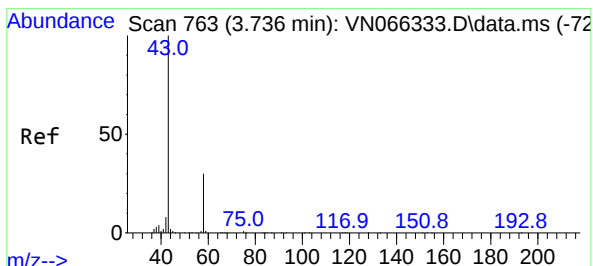
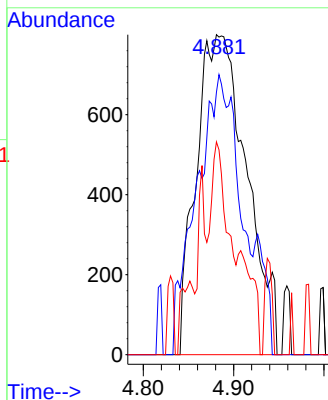
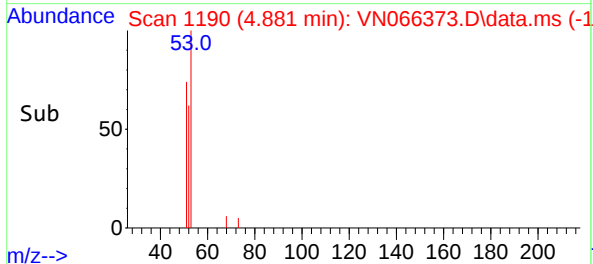
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2021



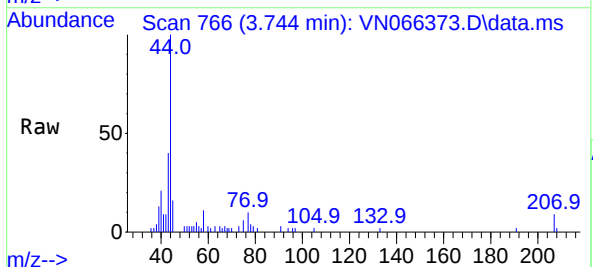
Tgt Ion: 53 Resp: 3106
Ion Ratio Lower Upper
53 100
52 0.0 66.6 99.8#
51 5.4 29.4 44.0#

Manual Integrations
APPROVED

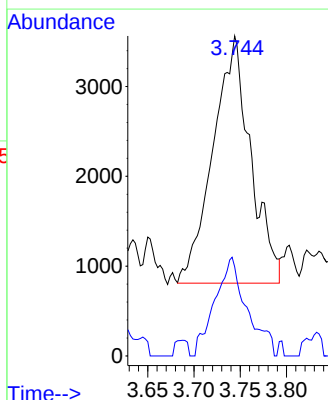
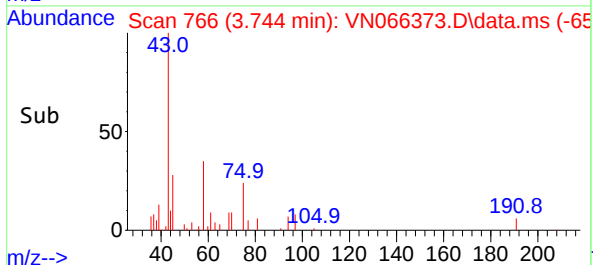
MMDadoda
3/30/2021 7:50:46 PM

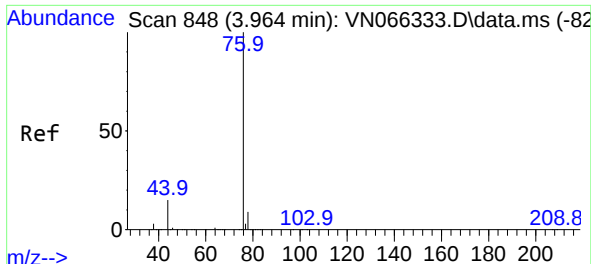


#16
Acetone
Concen: 2.33 ug/l m
RT: 3.744 min Scan# 766
Delta R.T. 0.008 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51



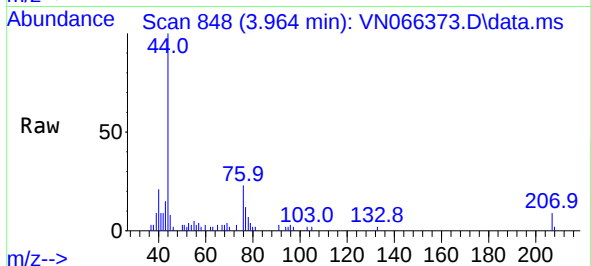
Tgt Ion: 43 Resp: 7779
Ion Ratio Lower Upper
43 100
58 27.9 23.8 35.8





#17
Carbon Disulfide
Concen: 0.30 ug/l
RT: 3.964 min Scan# 848
Delta R.T. -0.000 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51

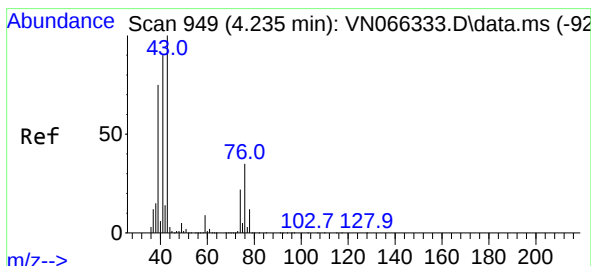
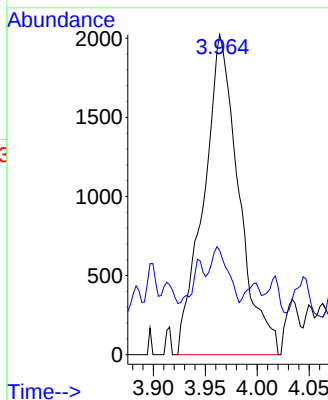
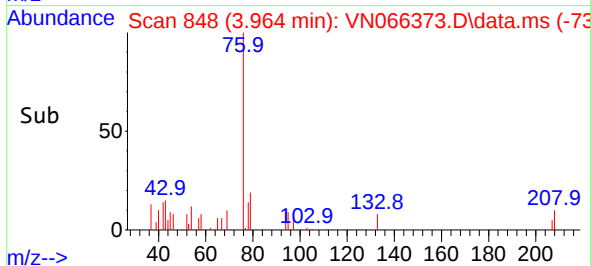
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2021



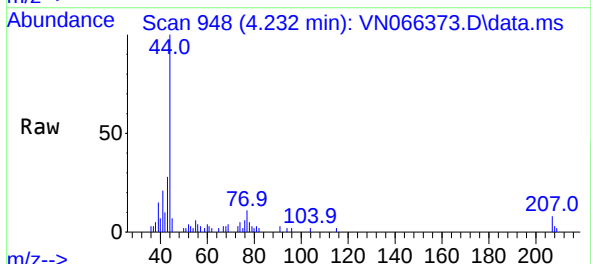
Tgt Ion: 76 Resp: 4757
Ion Ratio Lower Upper
76 100
78 16.6 7.4 11.0#

Manual Integrations
APPROVED

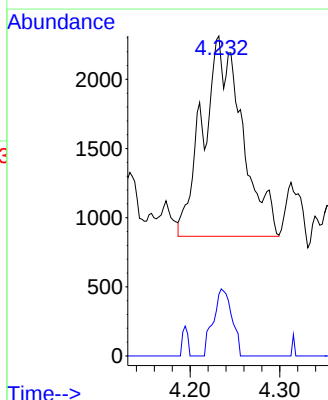
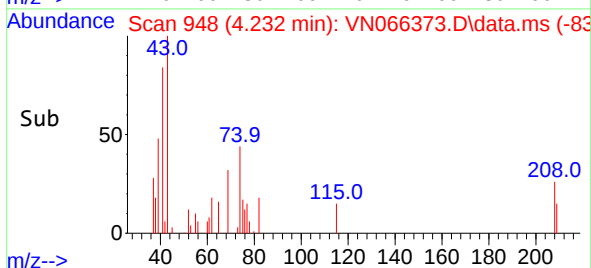
MMDadoda
3/30/2021 7:50:46 PM

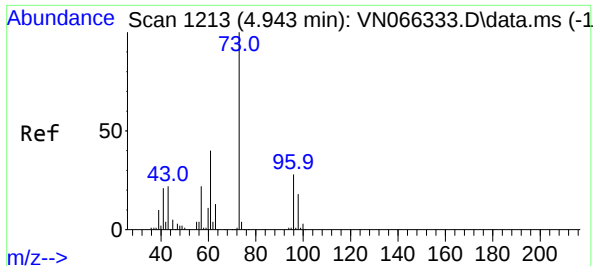


#18
Methyl Acetate
Concen: 0.50 ug/l m
RT: 4.232 min Scan# 948
Delta R.T. -0.003 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51



Tgt Ion: 43 Resp: 4403
Ion Ratio Lower Upper
43 100
74 15.9 17.6 26.4#





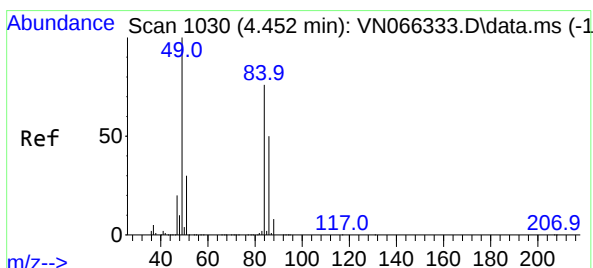
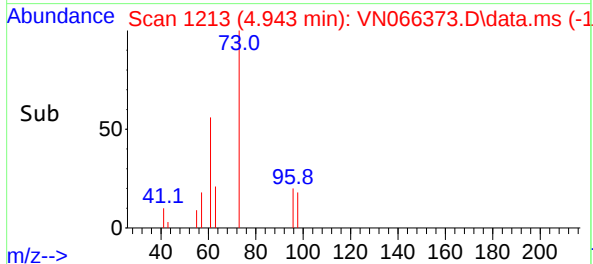
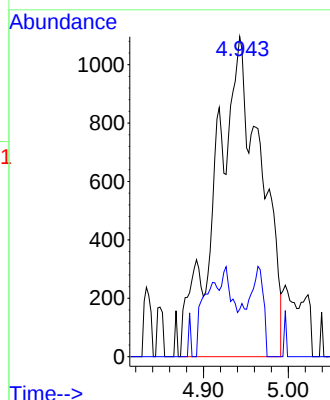
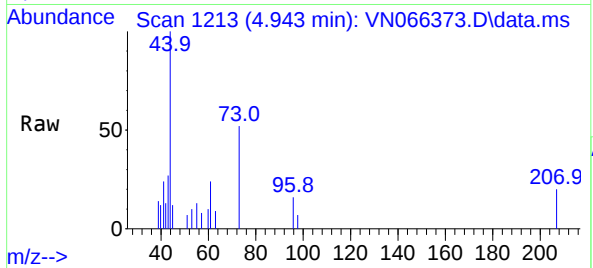
#19
Methyl tert-butyl Ether
Concen: 0.26 ug/l m
RT: 4.943 min Scan# 1213
Delta R.T. -0.000 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51

Tgt Ion: 73 Resp: 4044
Ion Ratio Lower Upper
73 100
57 14.8 17.6 26.4#

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2021

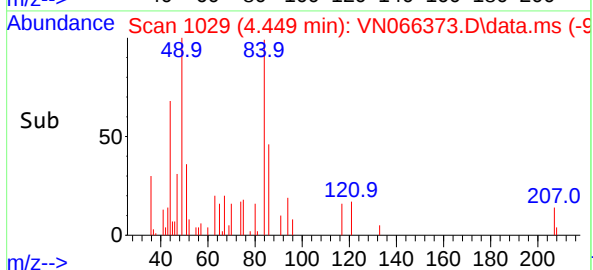
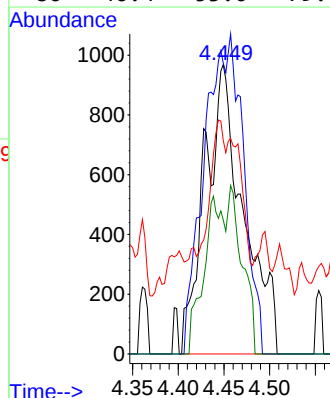
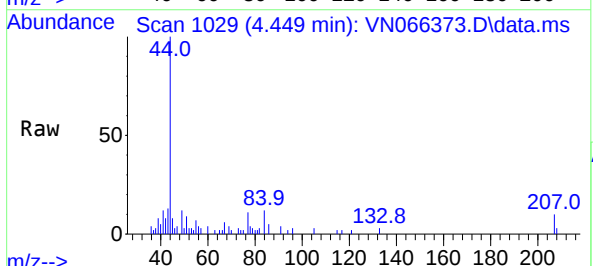
Manual Integrations
APPROVED

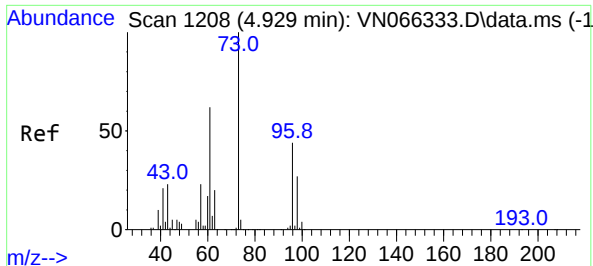
MMDadoda
3/30/2021 7:50:46 PM



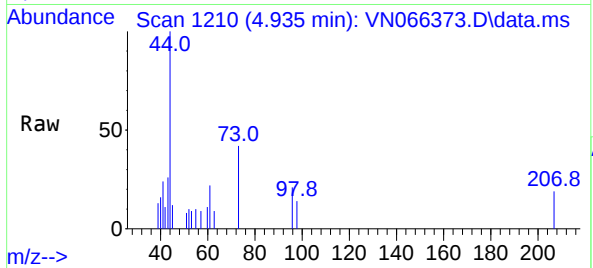
#20
Methylene Chloride
Concen: 0.45 ug/l m
RT: 4.449 min Scan# 1029
Delta R.T. -0.003 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51

Tgt Ion: 84 Resp: 2866
Ion Ratio Lower Upper
84 100
49 100.6 105.0 157.6#
51 73.9 31.6 47.4#
86 46.4 53.0 79.6#

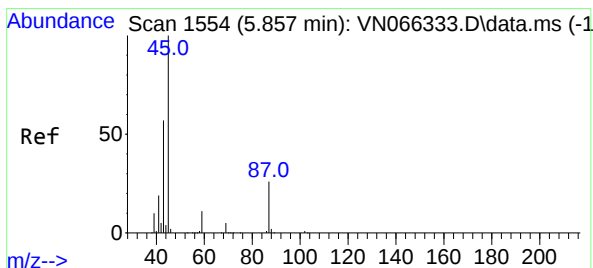
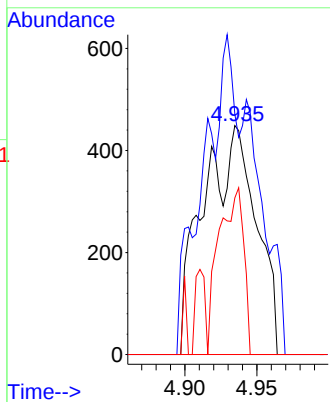
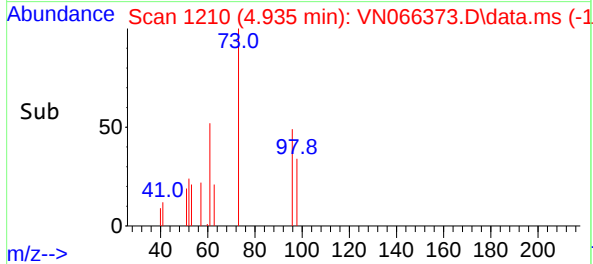




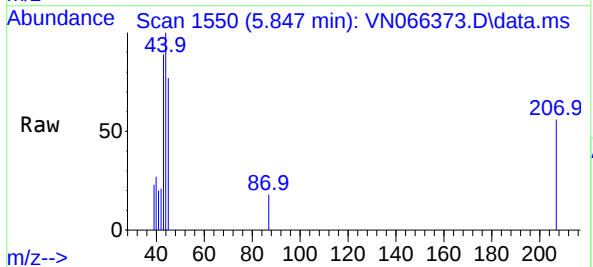
#21
trans-1,2-Dichloroethene
Concen: 0.24 ug/l m
RT: 4.935 min Scan# 1210
Delta R.T. 0.005 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51



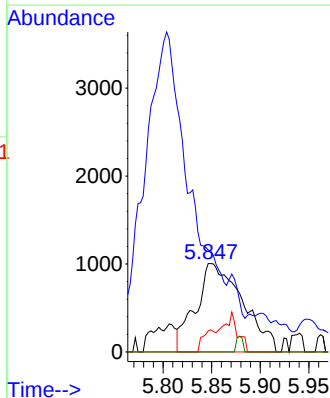
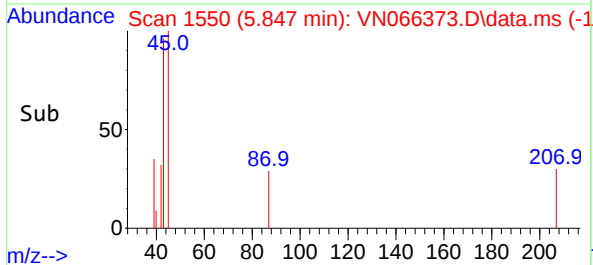
Tgt Ion: 96 Resp: 1159
Ion Ratio Lower Upper
96 100
61 104.9 113.7 170.5#
98 68.4 50.2 75.2



#22
Diisopropyl ether
Concen: 0.21 ug/l m
RT: 5.847 min Scan# 1550
Delta R.T. -0.011 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51



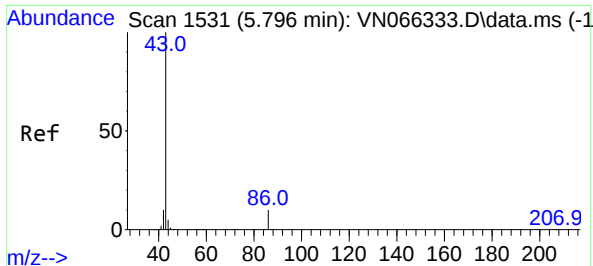
Tgt Ion: 45 Resp: 3382
Ion Ratio Lower Upper
45 100
43 115.3 48.1 72.1#
87 23.9 21.6 32.4
59 0.0 8.9 13.3#



Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2021

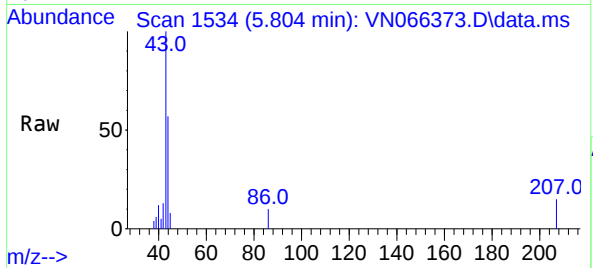
Manual Integrations
APPROVED

MMDadoda
3/30/2021 7:50:46 PM



#23
 Vinyl Acetate
 Concen: 1.05 ug/l m
 RT: 5.804 min Scan# 1534
 Delta R.T. 0.008 min
 Lab File: VN066373.D
 Acq: 29 Mar 2021 13:51

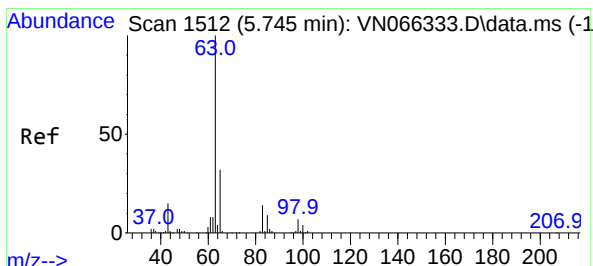
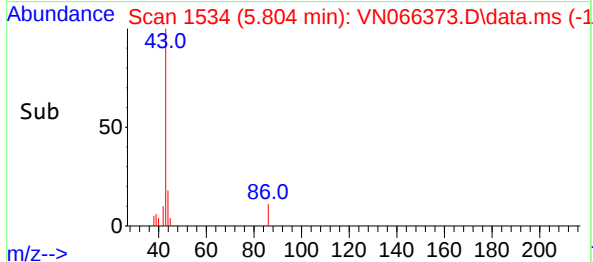
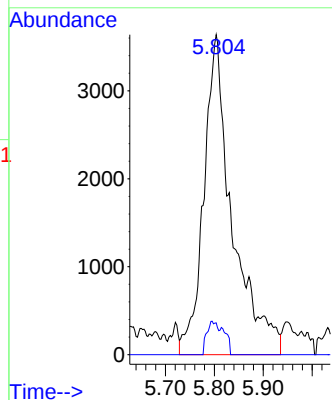
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2021



Tgt Ion: 43 Resp: 14677
 Ion Ratio Lower Upper
 43 100
 86 10.0 7.7 11.5

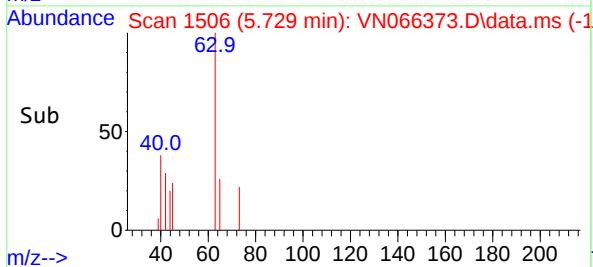
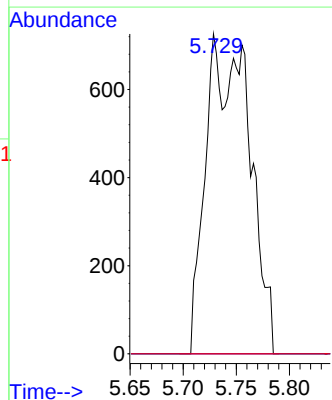
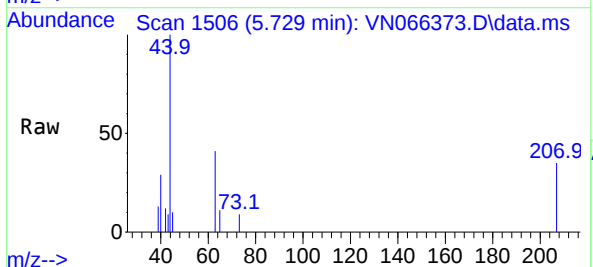
Manual Integrations
 APPROVED

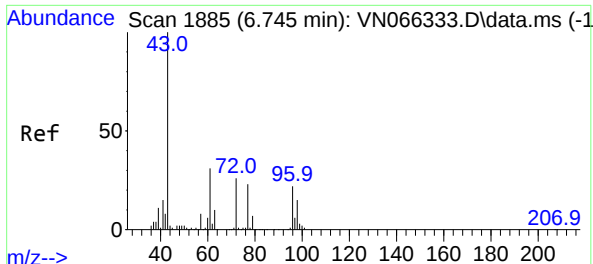
MMDadoda
 3/30/2021 7:50:46 PM



#24
 1,1-Dichloroethane
 Concen: 0.23 ug/l m
 RT: 5.729 min Scan# 1506
 Delta R.T. -0.016 min
 Lab File: VN066373.D
 Acq: 29 Mar 2021 13:51

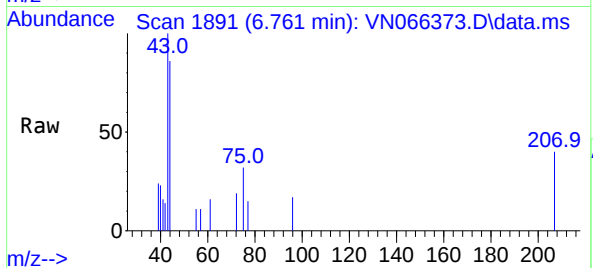
Tgt Ion: 63 Resp: 2066
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.4 10.1#
 100 0.0 2.0 6.0#





#25
2-Butanone
Concen: 1.39 ug/l m
RT: 6.761 min Scan# 1891
Delta R.T. 0.016 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51

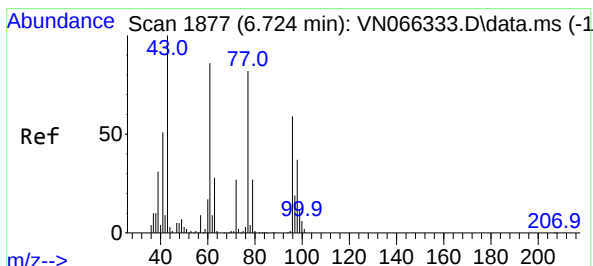
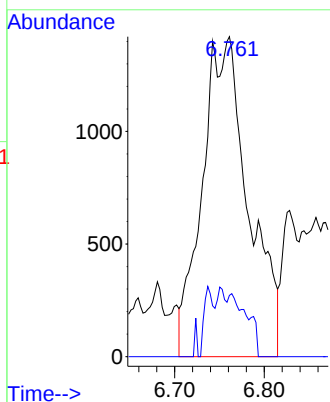
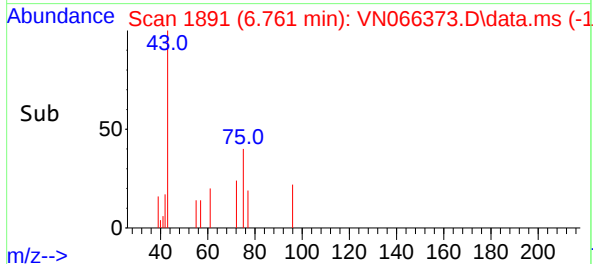
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2021



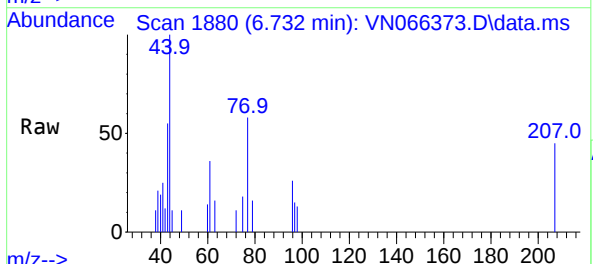
Tgt Ion: 43 Resp: 5077
Ion Ratio Lower Upper
43 100
72 19.1 20.7 31.1#

Manual Integrations
APPROVED

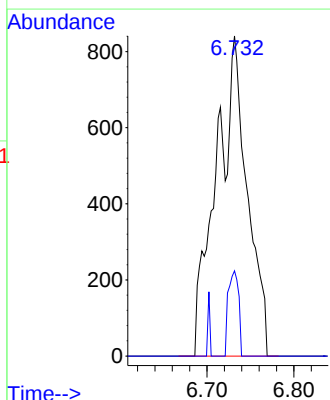
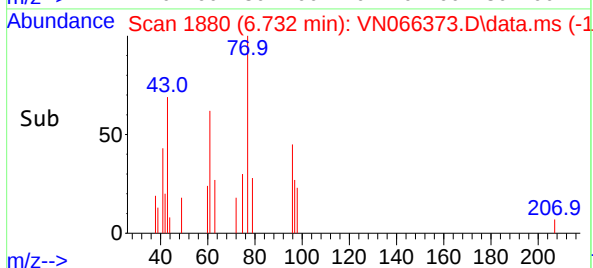
MMDadoda
3/30/2021 7:50:46 PM

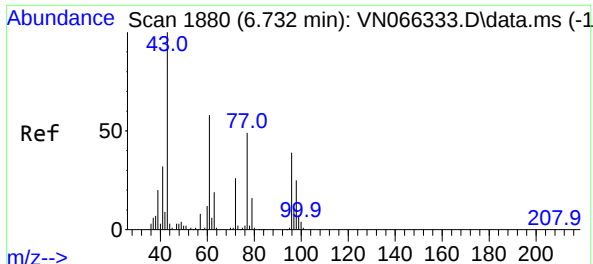


#26
2,2-Dichloropropane
Concen: 0.26 ug/l m
RT: 6.732 min Scan# 1880
Delta R.T. 0.008 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51



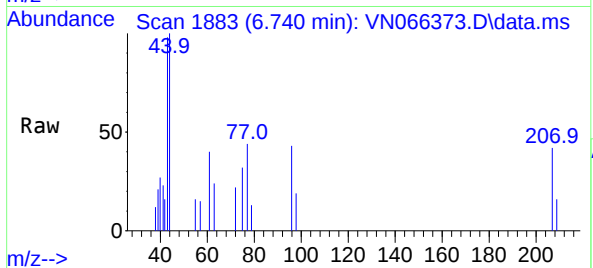
Tgt Ion: 77 Resp: 2080
Ion Ratio Lower Upper
77 100
97 8.8 11.6 34.7#





#27
 cis-1,2-Dichloroethene
 Concen: 0.25 ug/l m
 RT: 6.740 min Scan# 1883
 Delta R.T. 0.008 min
 Lab File: VN066373.D
 Acq: 29 Mar 2021 13:51

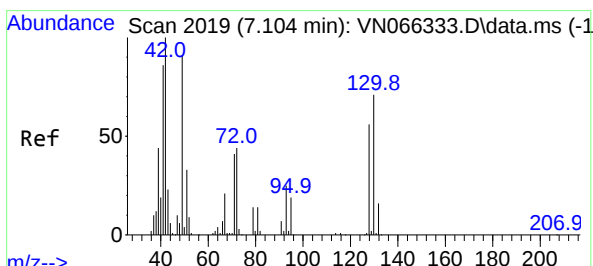
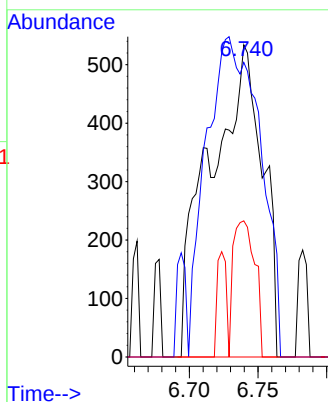
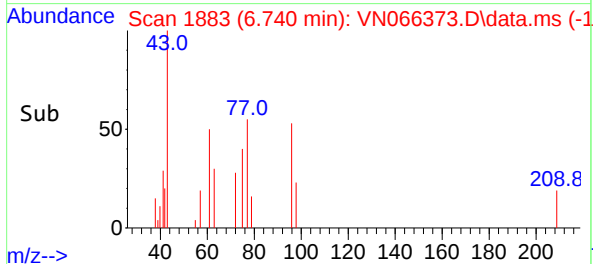
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2021



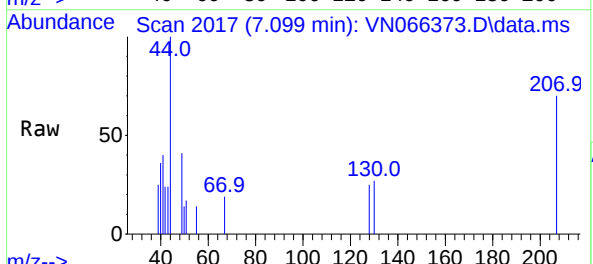
Tgt Ion: 96 Resp: 1420
 Ion Ratio Lower Upper
 96 100
 61 0.0 0.0 296.2
 98 18.0 0.0 129.2

Manual Integrations
 APPROVED

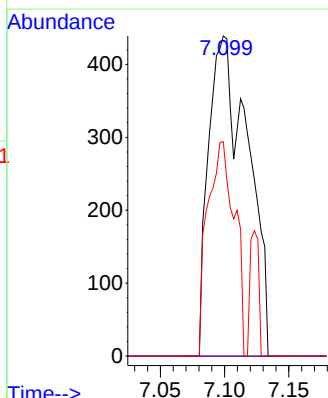
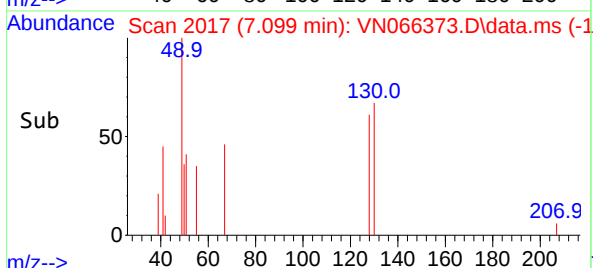
MMDadoda
 3/30/2021 7:50:46 PM

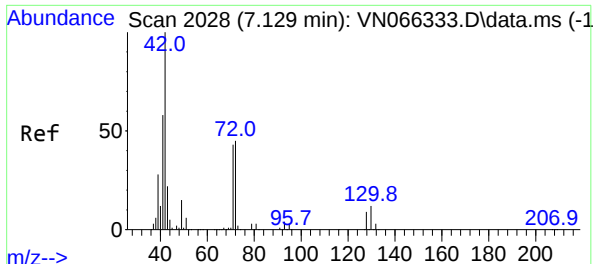


#28
 Bromochloromethane
 Concen: 0.20 ug/l m
 RT: 7.099 min Scan# 2017
 Delta R.T. -0.005 min
 Lab File: VN066373.D
 Acq: 29 Mar 2021 13:51



Tgt Ion: 49 Resp: 927
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.2
 130 46.2 61.6 92.4#





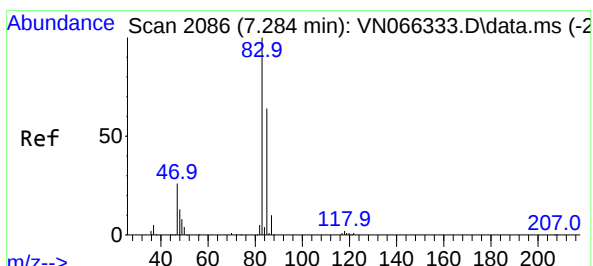
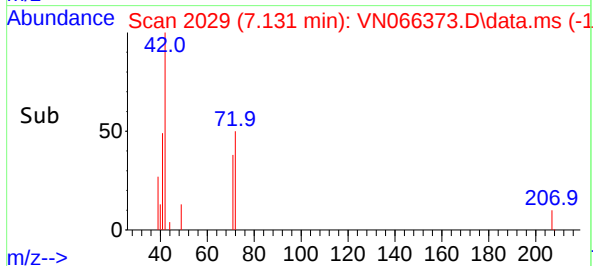
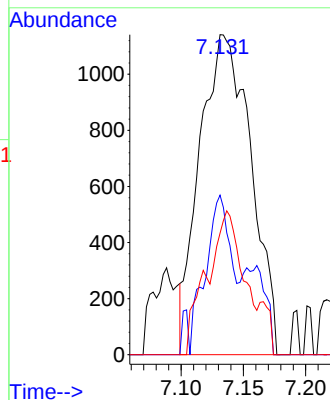
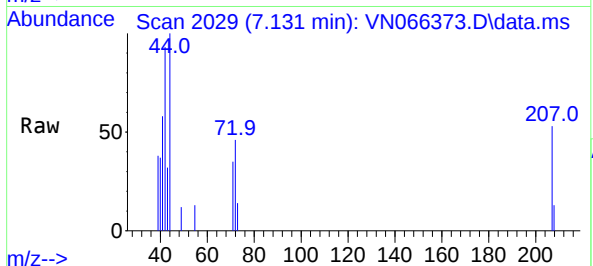
#29
Tetrahydrofuran
Concen: 1.37 ug/l
RT: 7.131 min Scan# 2029
Delta R.T. 0.003 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51

Tgt Ion: 42 Resp: 3269
Ion Ratio Lower Upper
42 100
72 24.9 35.2 52.8#
71 16.5 33.1 49.7#

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2021

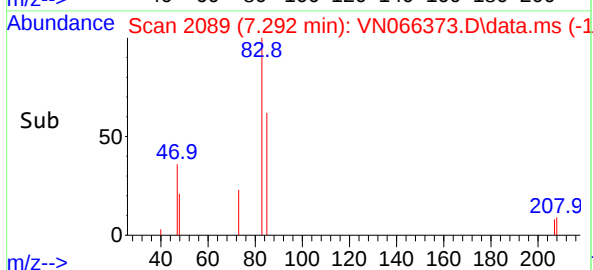
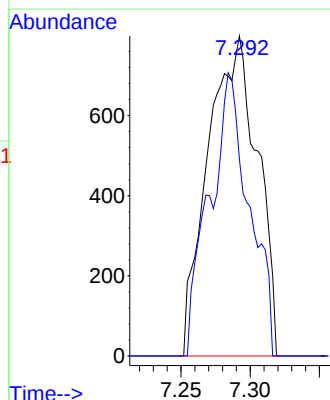
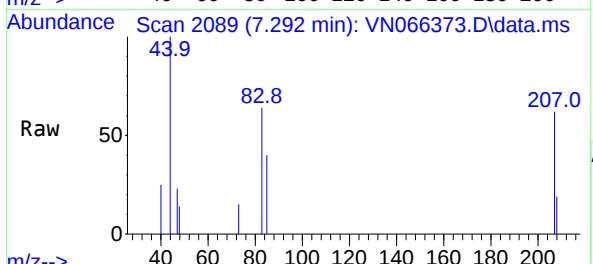
Manual Integrations
APPROVED

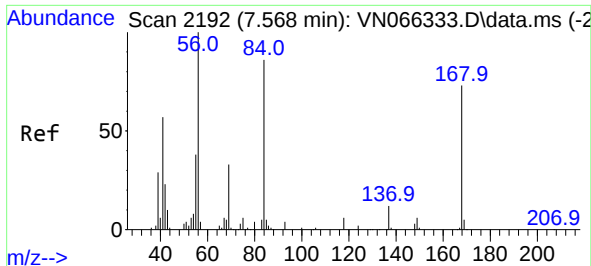
MMDadoda
3/30/2021 7:50:46 PM



#30
Chloroform
Concen: 0.22 ug/l
RT: 7.292 min Scan# 2089
Delta R.T. 0.008 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51

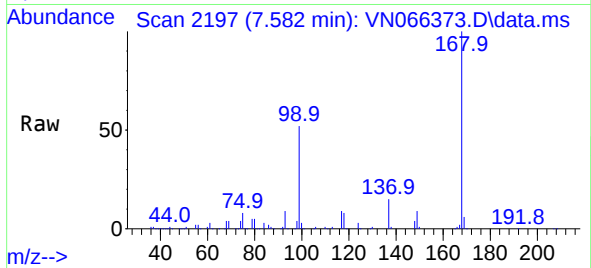
Tgt Ion: 83 Resp: 1979
Ion Ratio Lower Upper
83 100
85 61.6 51.3 76.9





#31
Cyclohexane
Concen: 1.35 ug/l
RT: 7.582 min Scan# 2197
Delta R.T. 0.013 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51

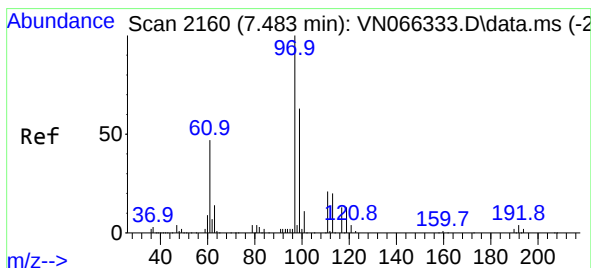
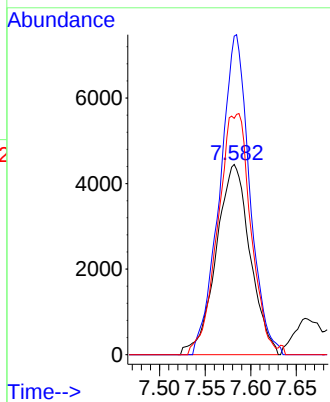
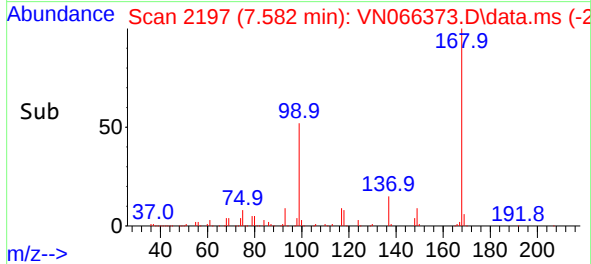
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2021



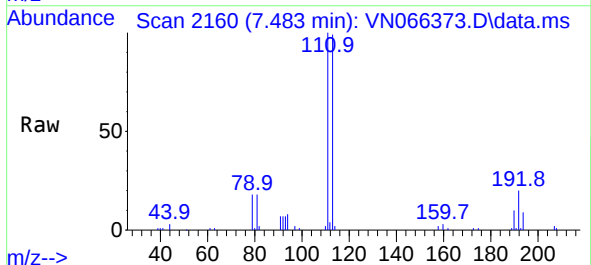
Tgt Ion: 56 Resp: 11510
Ion Ratio Lower Upper
56 100
69 167.4 26.6 40.0#
84 124.2 68.7 103.1#

Manual Integrations
APPROVED

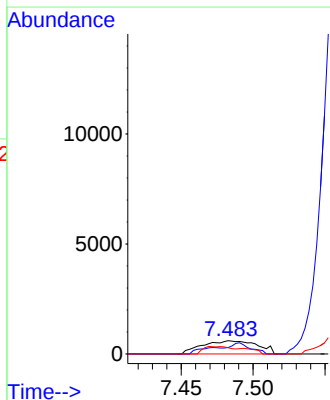
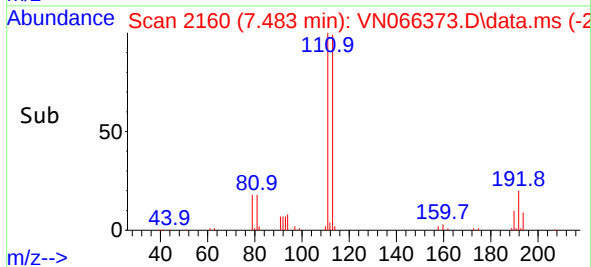
MMDadoda
3/30/2021 7:50:46 PM

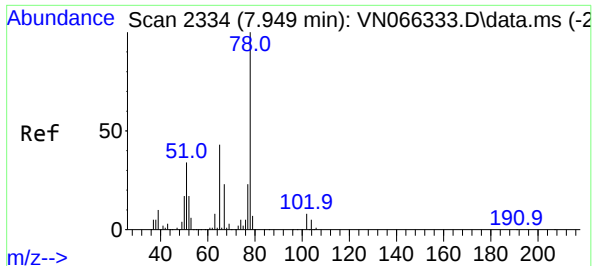


#32
1,1,1-Trichloroethane
Concen: 0.20 ug/l
RT: 7.483 min Scan# 2160
Delta R.T. -0.000 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51



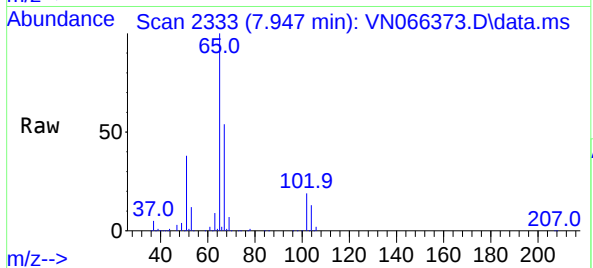
Tgt Ion: 97 Resp: 1599
Ion Ratio Lower Upper
97 100
99 0.0 51.1 76.7#
61 28.6 36.9 55.3#





#33
1,2-Dichloroethane-d4
Concen: 50.41 ug/l
RT: 7.947 min Scan# 2333
Delta R.T. -0.002 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51

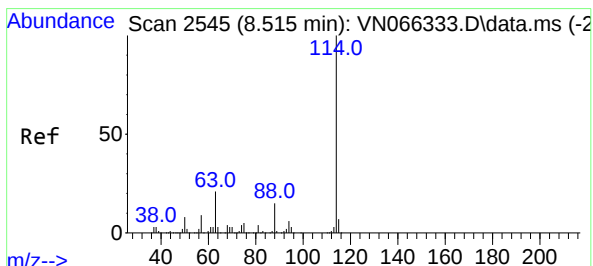
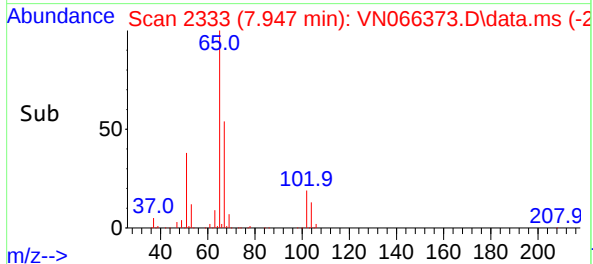
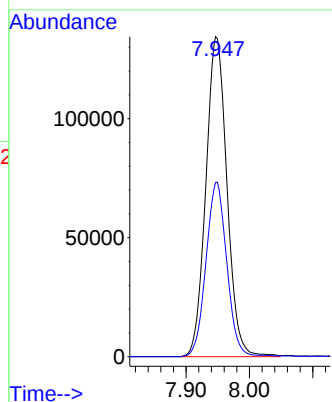
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2021



Tgt Ion: 65 Resp: 311577
Ion Ratio Lower Upper
65 100
67 53.6 0.0 105.2

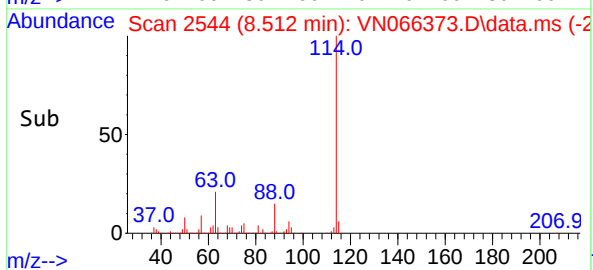
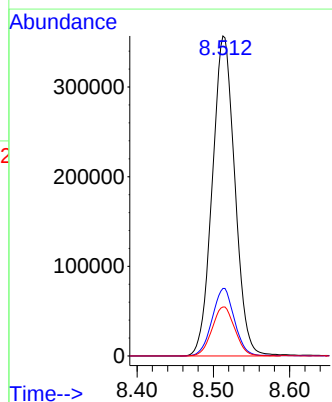
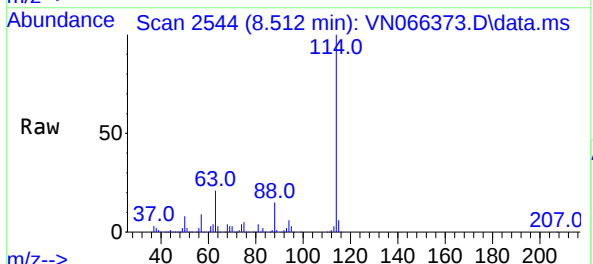
Manual Integrations
APPROVED

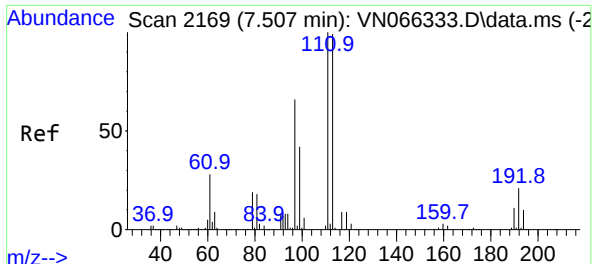
MMDadoda
3/30/2021 7:50:46 PM



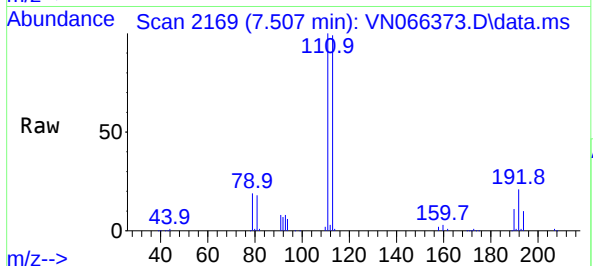
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.512 min Scan# 2544
Delta R.T. -0.003 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51

Tgt Ion: 114 Resp: 731766
Ion Ratio Lower Upper
114 100
63 21.1 0.0 42.0
88 15.3 0.0 31.0

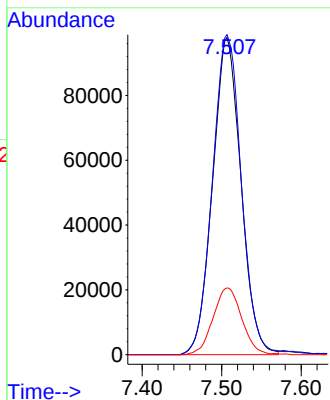
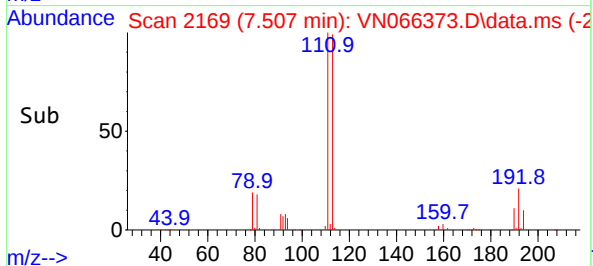




#35
Dibromofluoromethane
Concen: 49.99 ug/l
RT: 7.507 min Scan# 2169
Delta R.T. -0.000 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51



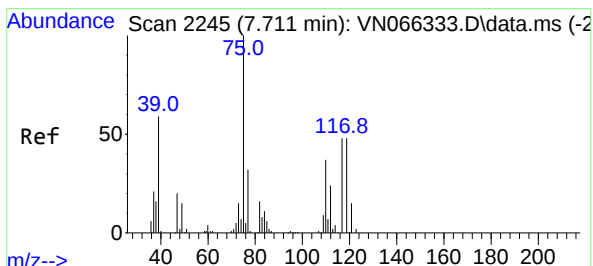
Tgt Ion:113 Resp: 242517
Ion Ratio Lower Upper
113 100
111 102.7 81.8 122.8
192 21.3 17.1 25.7



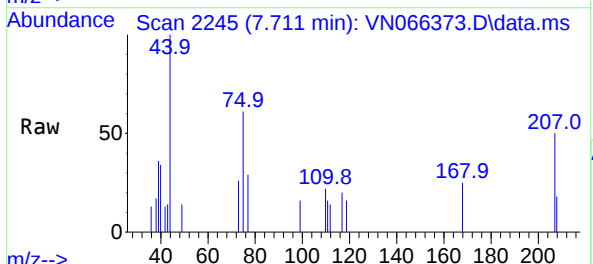
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2021

Manual Integrations
APPROVED

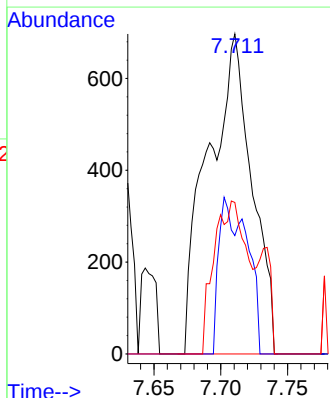
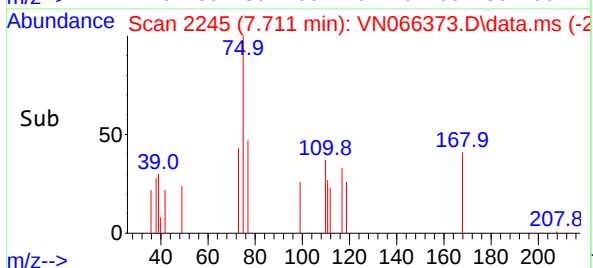
MMDadoda
3/30/2021 7:50:46 PM

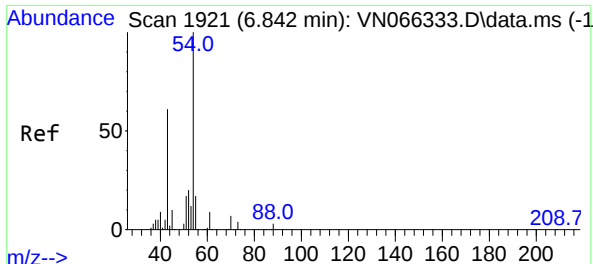


#36
1,1-Dichloropropene
Concen: 0.23 ug/l m
RT: 7.711 min Scan# 2245
Delta R.T. -0.000 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51



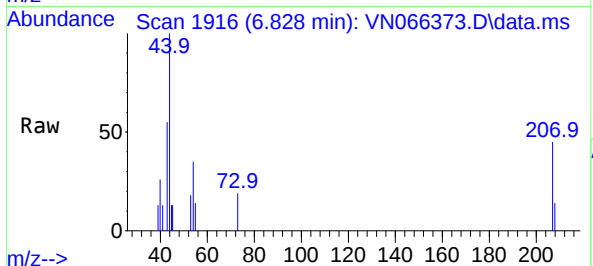
Tgt Ion: 75 Resp: 1594
Ion Ratio Lower Upper
75 100
110 151.5 18.1 54.3#
77 3.9 25.0 37.4#





#37
Ethyl Acetate
Concen: 0.40 ug/l m
RT: 6.828 min Scan# 1916
Delta R.T. -0.013 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51

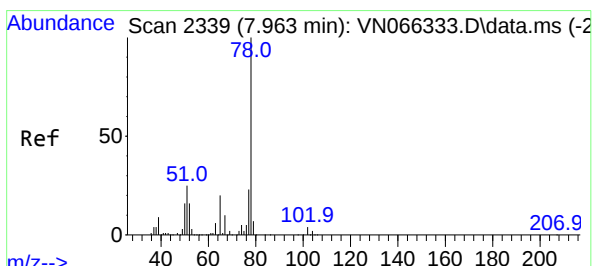
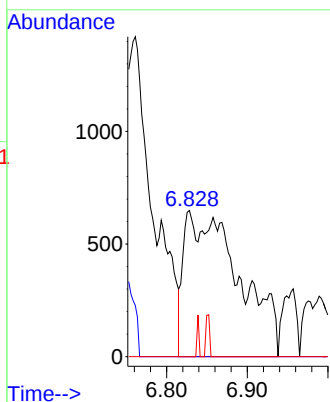
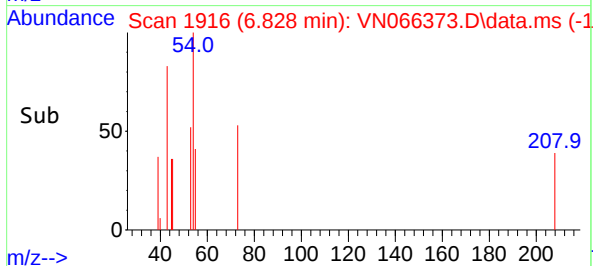
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2021



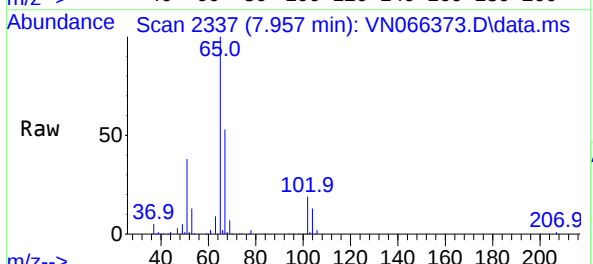
Tgt Ion: 43 Resp: 3058
Ion Ratio Lower Upper
43 100
61 0.0 11.1 16.7#
70 1.0 8.0 12.0#

Manual Integrations
APPROVED

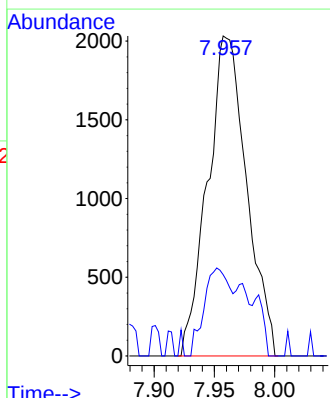
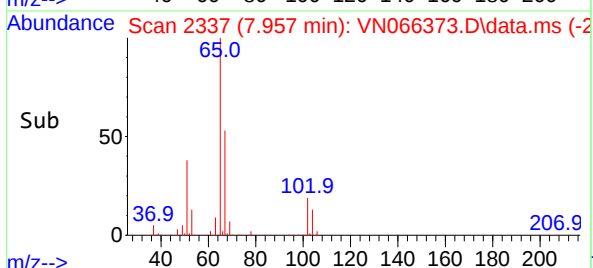
MMDadoda
3/30/2021 7:50:46 PM

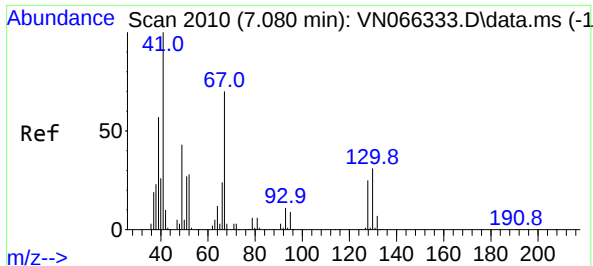


#40
Benzene
Concen: 0.22 ug/l
RT: 7.957 min Scan# 2337
Delta R.T. -0.005 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51



Tgt Ion: 78 Resp: 4567
Ion Ratio Lower Upper
78 100
77 25.4 18.7 28.1





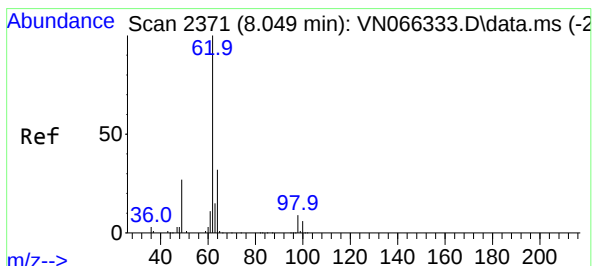
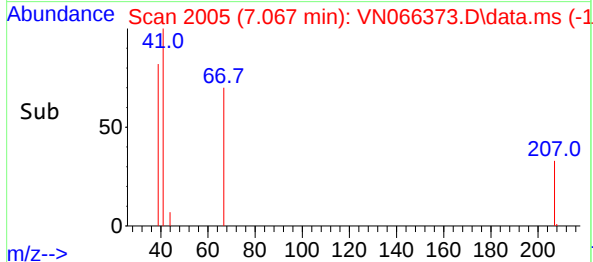
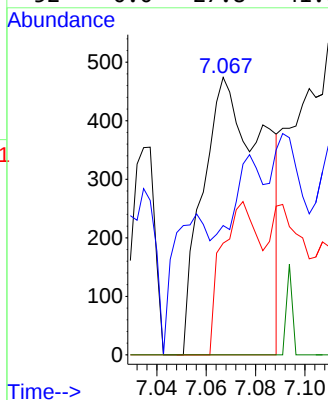
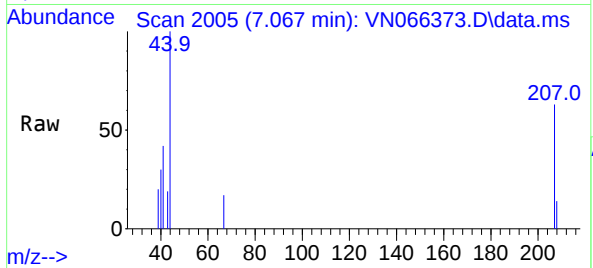
#41
Methacrylonitrile
Concen: 0.22 ug/l m
RT: 7.067 min Scan# 2005
Delta R.T. -0.013 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51

Tgt Ion:	41	Resp:	810
Ion	Ratio	Lower	Upper
41	100		
39	9.4	51.7	77.5#
67	33.6	68.5	102.7#
52	0.0	27.8	41.6#

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2021

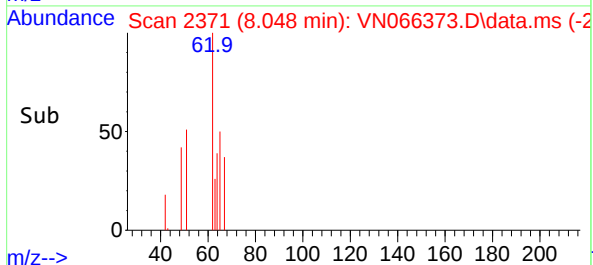
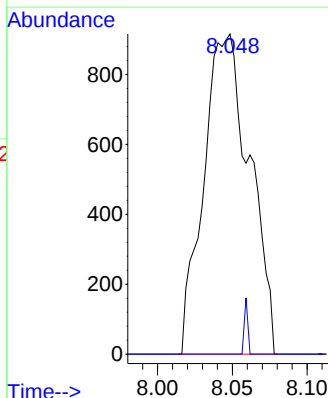
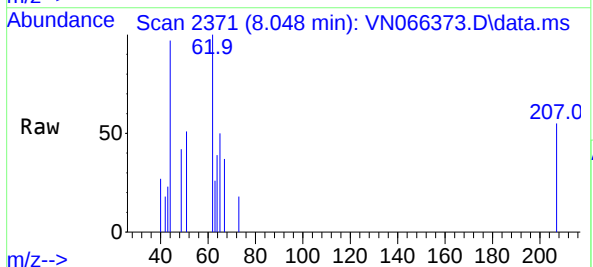
Manual Integrations
APPROVED

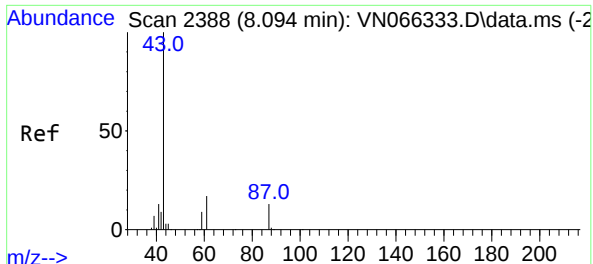
MMDadoda
3/30/2021 7:50:46 PM



#42
1,2-Dichloroethane
Concen: 0.26 ug/l
RT: 8.048 min Scan# 2371
Delta R.T. -0.000 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51

Tgt Ion:	62	Resp:	1963
Ion	Ratio	Lower	Upper
62	100		
98	1.3	0.0	17.6





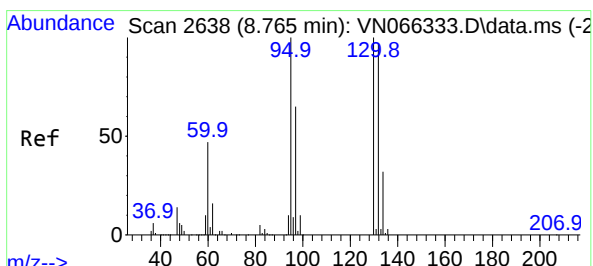
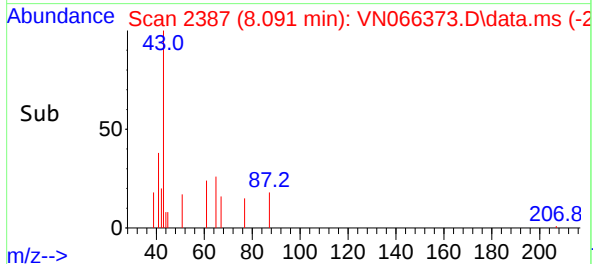
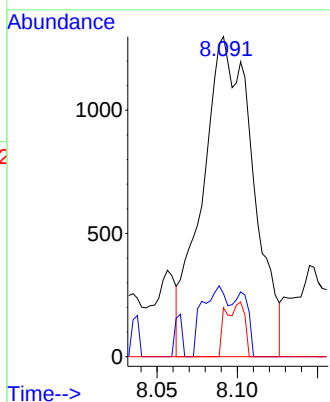
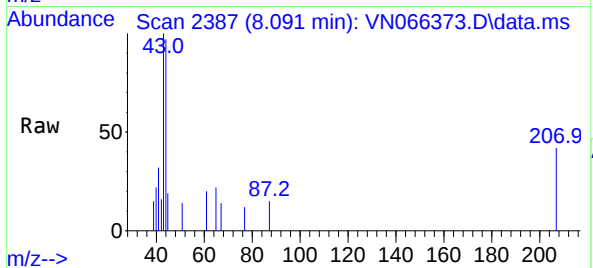
#43
Isopropyl Acetate
Concen: 0.22 ug/l m
RT: 8.091 min Scan# 2387
Delta R.T. -0.003 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51

Tgt Ion: 43 Resp: 2860
Ion Ratio Lower Upper
43 100
61 10.5 15.5 23.3#
87 6.4 10.5 15.7#

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2021

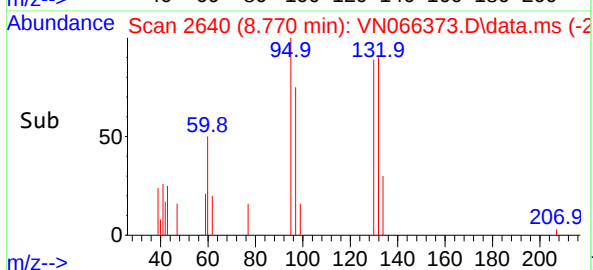
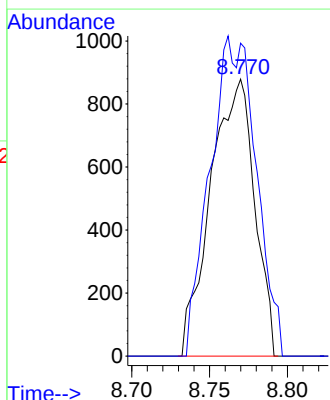
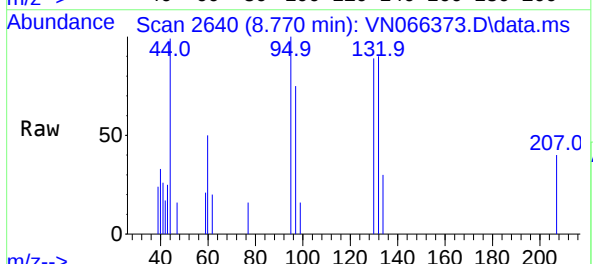
Manual Integrations
APPROVED

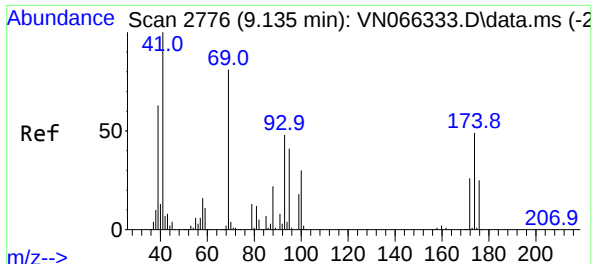
MMDadoda
3/30/2021 7:50:46 PM



#44
Trichloroethene
Concen: 0.32 ug/l
RT: 8.770 min Scan# 2640
Delta R.T. 0.005 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51

Tgt Ion: 130 Resp: 1727
Ion Ratio Lower Upper
130 100
95 113.0 0.0 200.6





#48

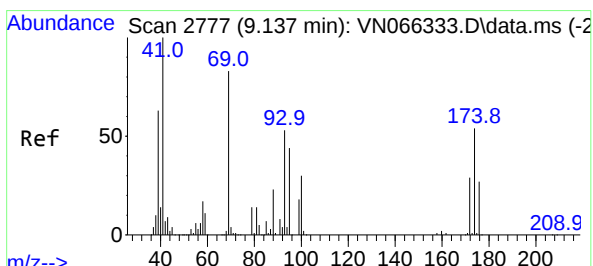
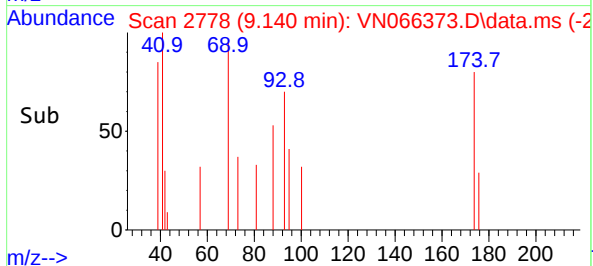
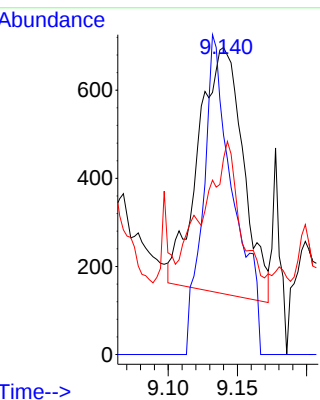
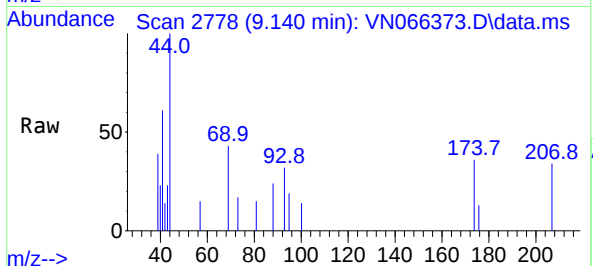
Methyl methacrylate
Concen: 0.20 ug/l
RT: 9.140 min Scan# 2778
Delta R.T. 0.005 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51

Tgt Ion: 41 Resp: 1251
Ion Ratio Lower Upper
41 100
69 88.5 66.2 99.4
39 34.8 51.5 77.3#

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2021

Manual Integrations
APPROVED

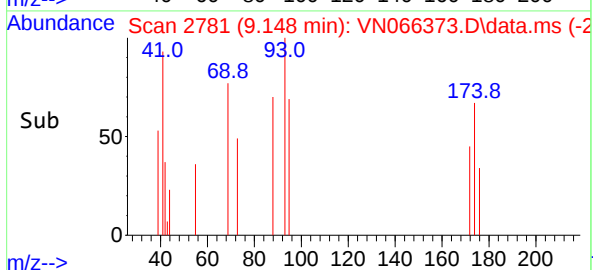
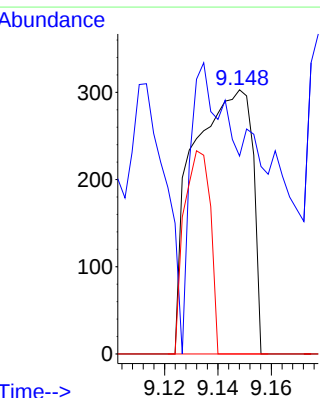
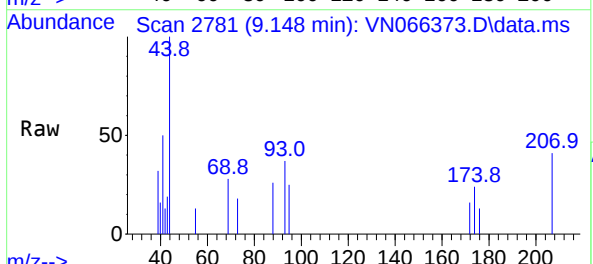
MMDadoda
3/30/2021 7:50:46 PM

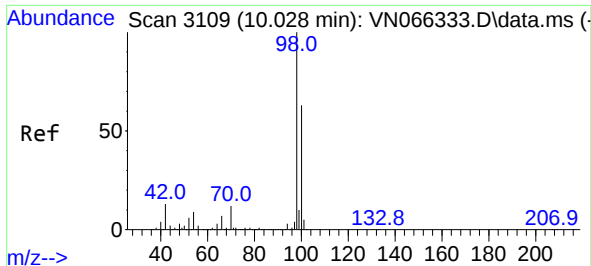


#49

1,4-Dioxane
Concen: 6.00 ug/l
RT: 9.148 min Scan# 2781
Delta R.T. 0.011 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51

Tgt Ion: 88 Resp: 464
Ion Ratio Lower Upper
88 100
43 75.6 28.2 42.4#
58 34.1 56.6 84.8#





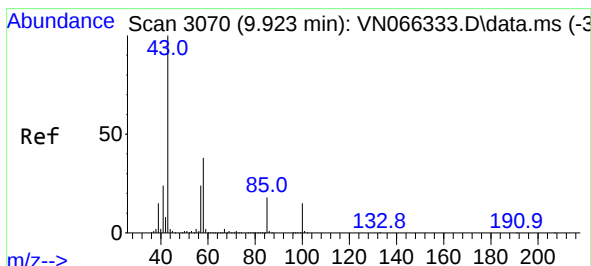
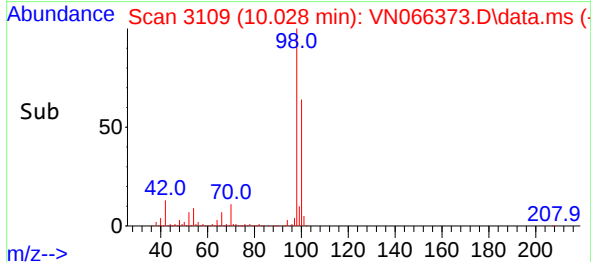
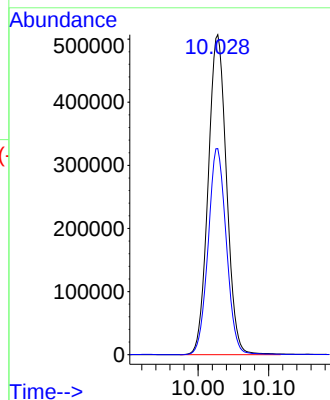
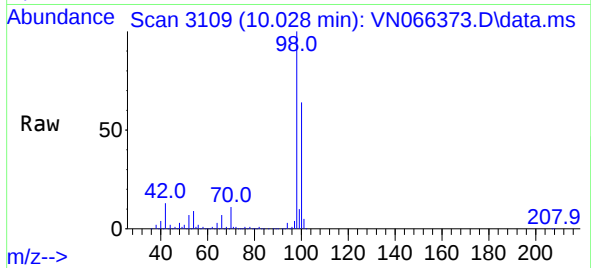
#50
Toluene-d8
Concen: 49.88 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51

Tgt Ion: 98 Resp: 917861
Ion Ratio Lower Upper
98 100
100 63.9 50.5 75.7

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2021

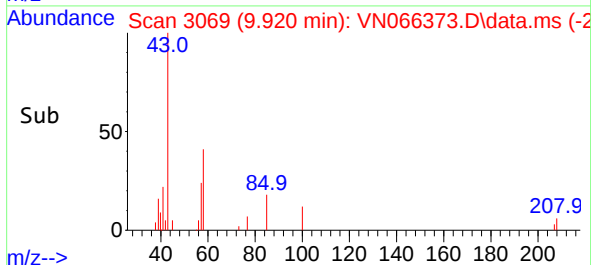
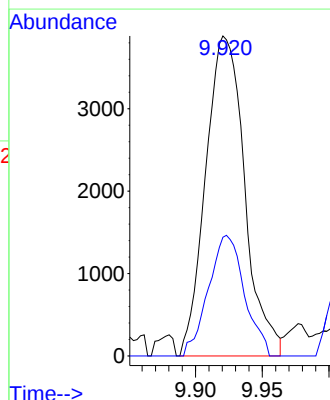
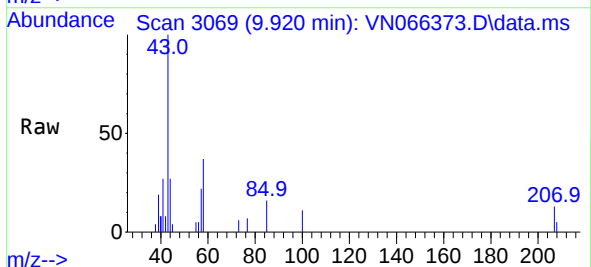
Manual Integrations
APPROVED

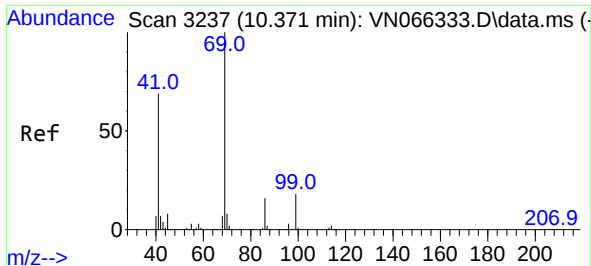
MMDadoda
3/30/2021 7:50:46 PM



#51
4-Methyl-2-Pentanone
Concen: 1.04 ug/l
RT: 9.920 min Scan# 3069
Delta R.T. -0.003 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51

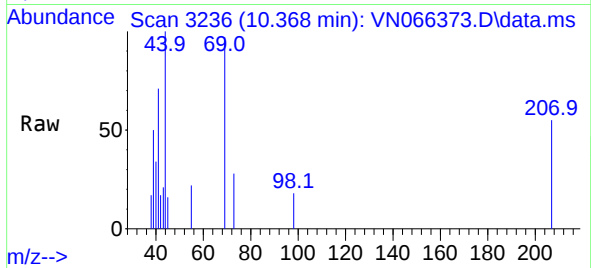
Tgt Ion: 43 Resp: 7886
Ion Ratio Lower Upper
43 100
58 34.8 30.8 46.2





#56
Ethyl methacrylate
Concen: 0.21 ug/l
RT: 10.368 min Scan# 3236
Delta R.T. -0.003 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51

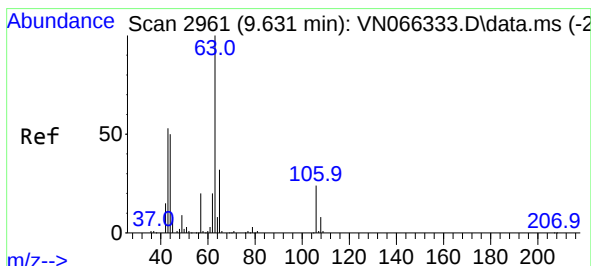
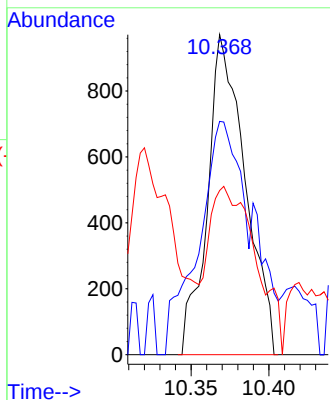
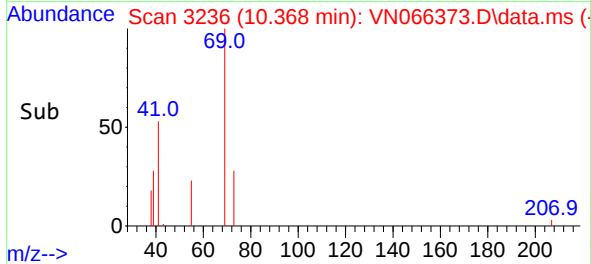
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2021



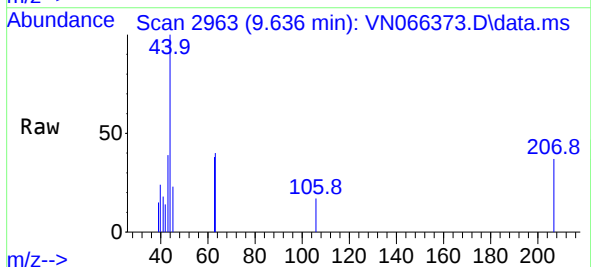
Tgt Ion: 69 Resp: 1634
Ion Ratio Lower Upper
69 100
41 83.5 55.3 82.9#
39 66.2 33.8 50.6#

Manual Integrations
APPROVED

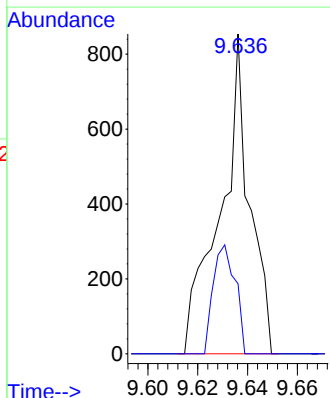
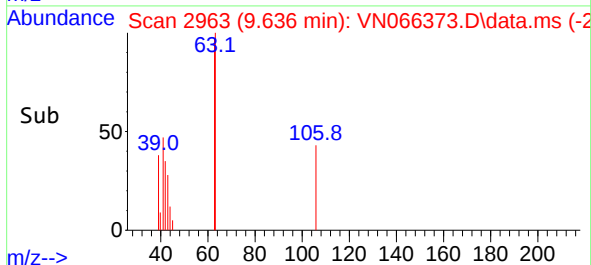
MMDadoda
3/30/2021 7:50:46 PM

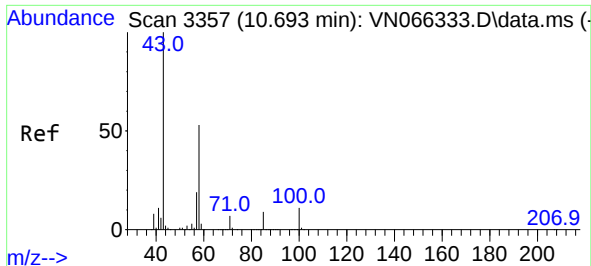


#58
2-Chloroethyl Vinyl ether
Concen: 0.98 ug/l
RT: 9.636 min Scan# 2963
Delta R.T. 0.005 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51



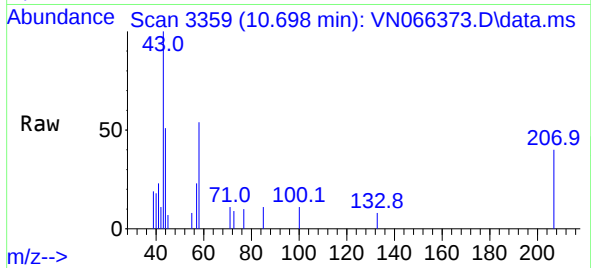
Tgt Ion: 63 Resp: 693
Ion Ratio Lower Upper
63 100
106 25.7 21.0 31.4





#59
2-Hexanone
Concen: 0.93 ug/l
RT: 10.698 min Scan# 3359
Delta R.T. 0.005 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51

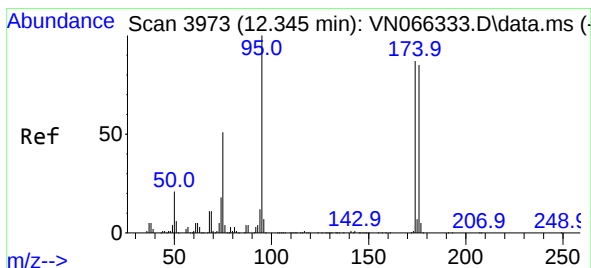
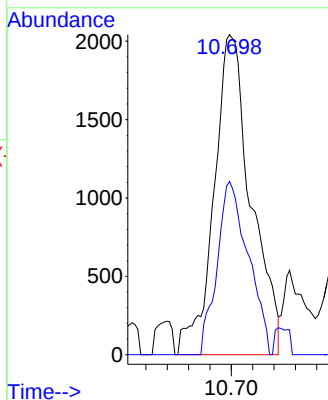
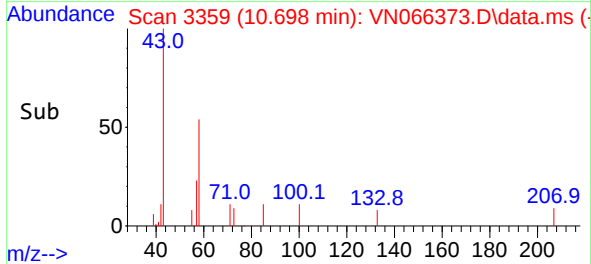
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2021



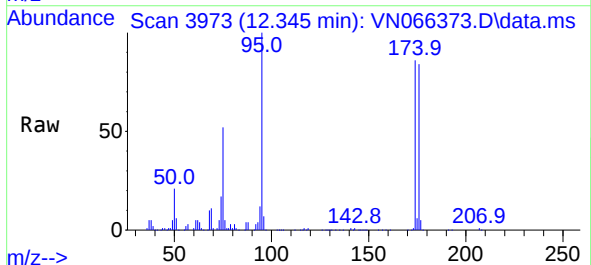
Tgt Ion: 43 Resp: 4938
Ion Ratio Lower Upper
43 100
58 45.4 26.6 79.8

Manual Integrations
APPROVED

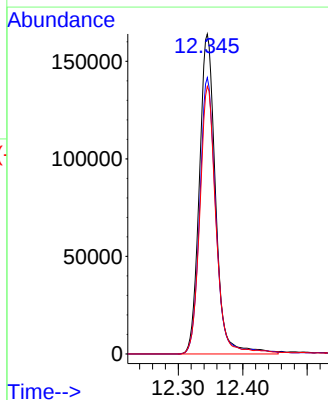
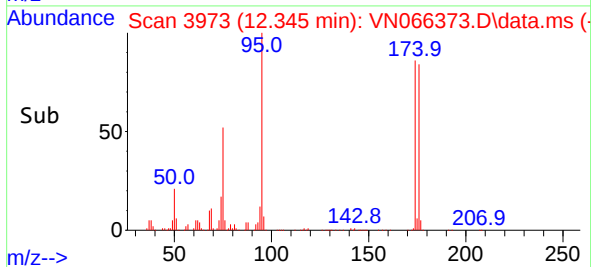
MMDadoda
3/30/2021 7:50:46 PM

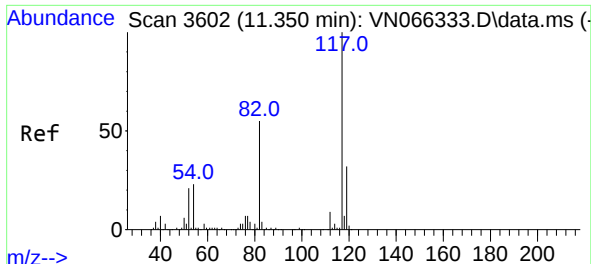


#62
4-Bromofluorobenzene
Concen: 44.89 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.000 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51



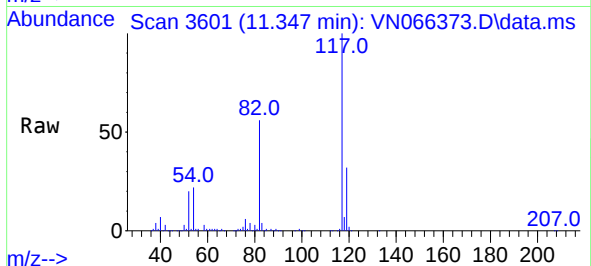
Tgt Ion: 95 Resp: 286878
Ion Ratio Lower Upper
95 100
174 84.5 0.0 172.2
176 81.5 0.0 167.8





#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.347 min Scan# 3601
Delta R.T. -0.003 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51

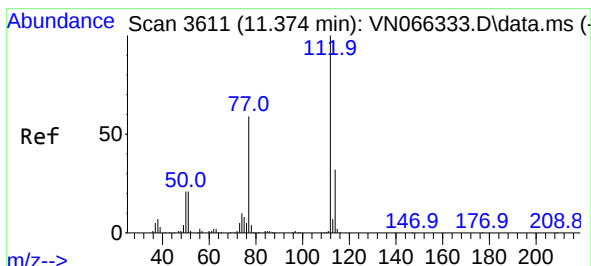
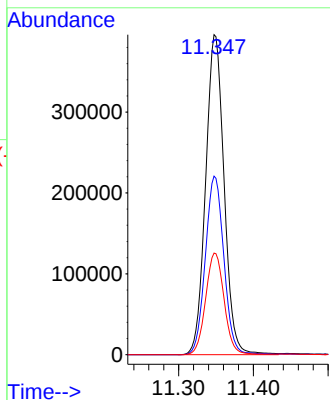
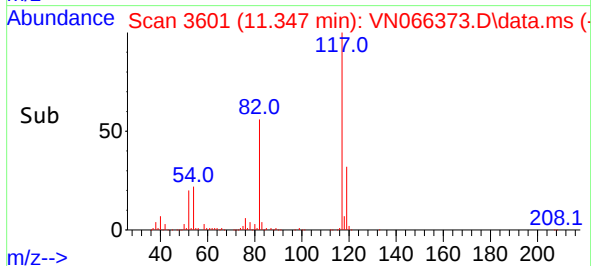
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2021



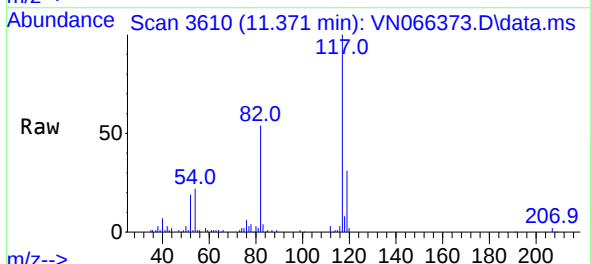
Tgt Ion:117 Resp: 679528
Ion Ratio Lower Upper
117 100
82 55.8 44.2 66.4
119 31.8 25.8 38.6

Manual Integrations
APPROVED

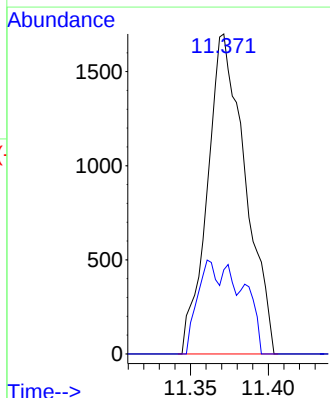
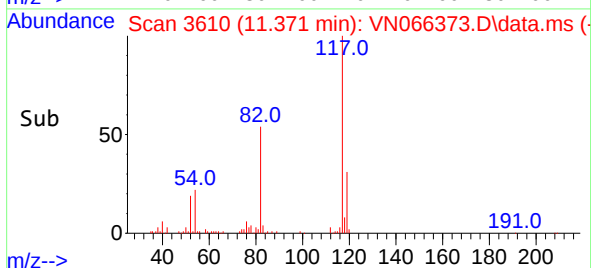
MMDadoda
3/30/2021 7:50:46 PM

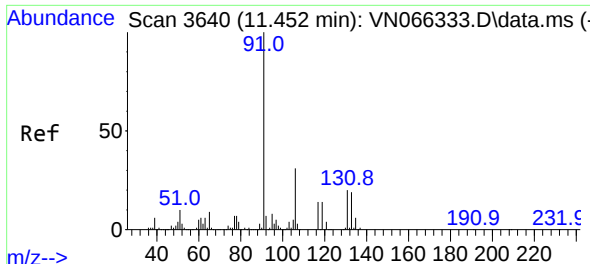


#65
Chlorobenzene
Concen: 0.21 ug/l
RT: 11.371 min Scan# 3610
Delta R.T. -0.003 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51



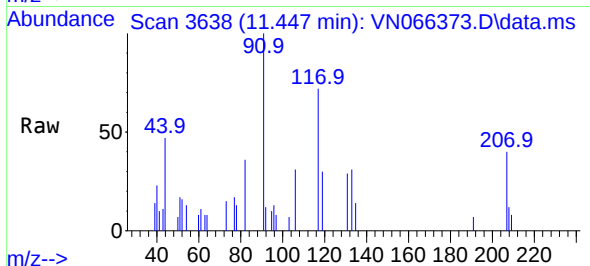
Tgt Ion:112 Resp: 2884
Ion Ratio Lower Upper
112 100
114 26.3 25.7 38.5





#66
1,1,1,2-Tetrachloroethane
Concen: 0.21 ug/l m
RT: 11.447 min Scan# 3638
Delta R.T. -0.005 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51

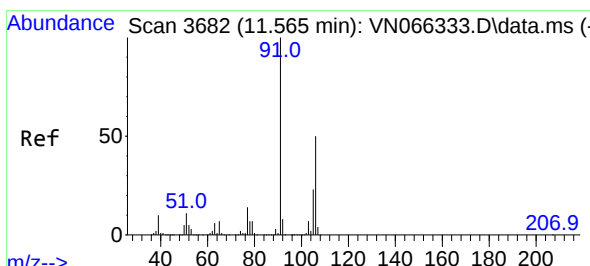
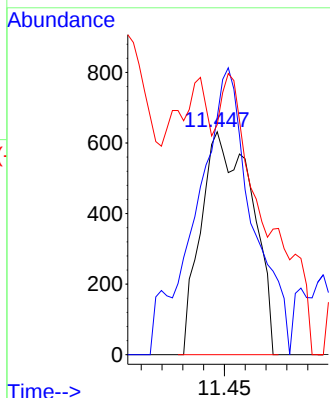
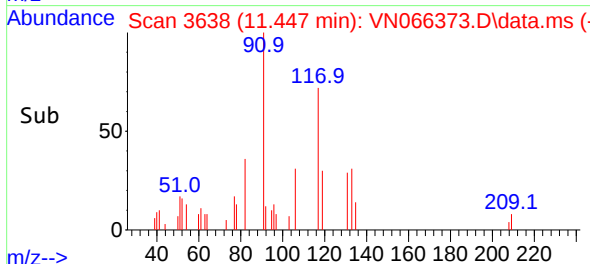
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2021



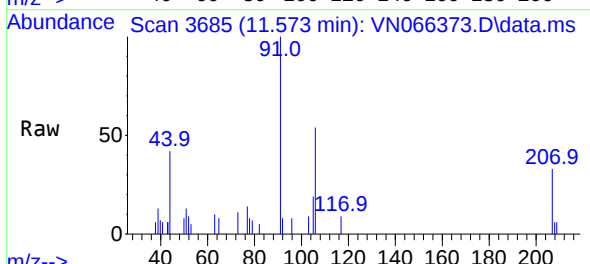
Tgt Ion:131 Resp: 1071
Ion Ratio Lower Upper
131 100
133 131.7 47.6 142.8
119 0.0 33.6 100.6#

Manual Integrations
APPROVED

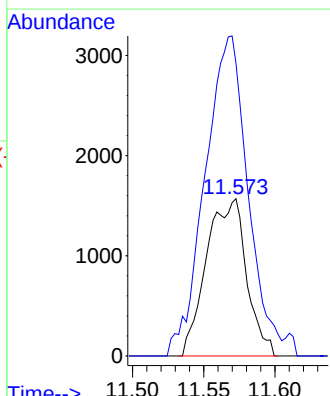
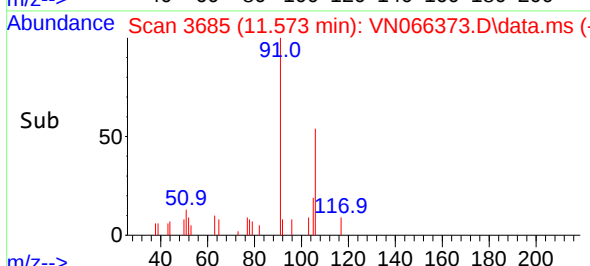
MMDadoda
3/30/2021 7:50:46 PM

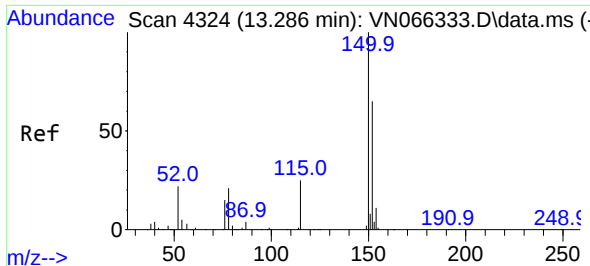


#68
m/p-Xylenes
Concen: 0.33 ug/l m
RT: 11.573 min Scan# 3685
Delta R.T. 0.008 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51



Tgt Ion:106 Resp: 3066
Ion Ratio Lower Upper
106 100
91 217.5 162.7 244.1





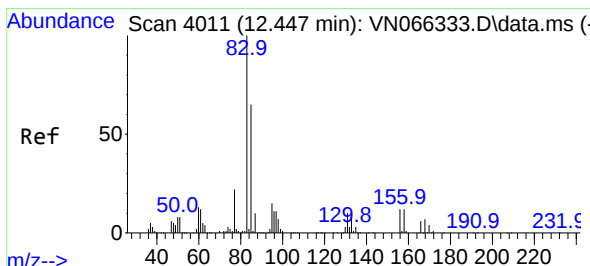
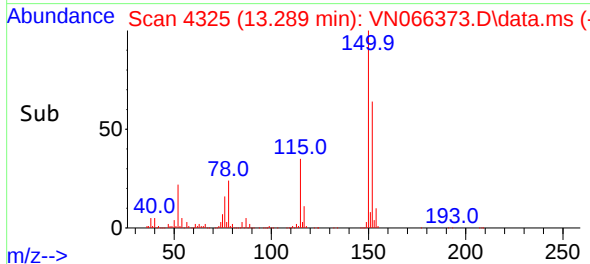
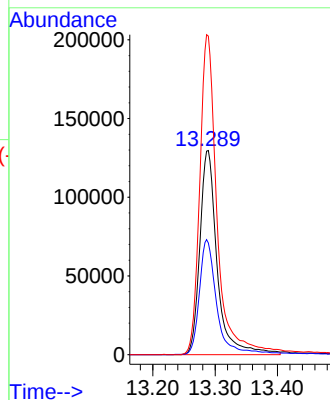
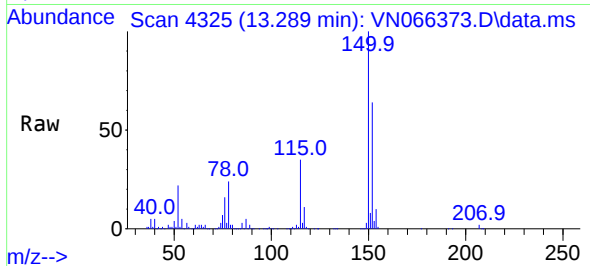
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.289 min Scan# 4325
Delta R.T. 0.003 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51

Tgt Ion:152 Resp: 252018
Ion Ratio Lower Upper
152 100
115 55.0 27.8 83.4
150 158.0 0.0 348.4

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2021

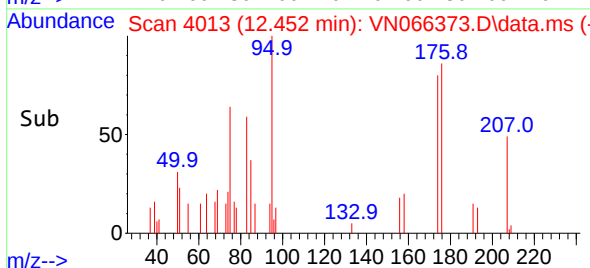
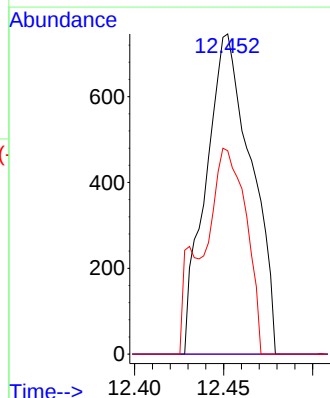
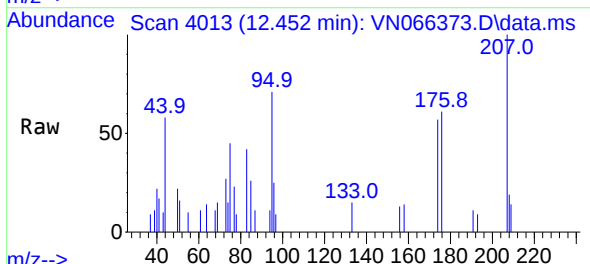
Manual Integrations
APPROVED

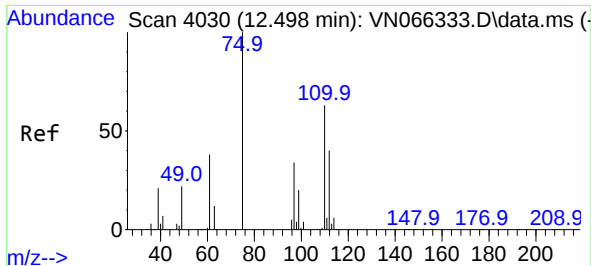
MMDadoda
3/30/2021 7:50:46 PM



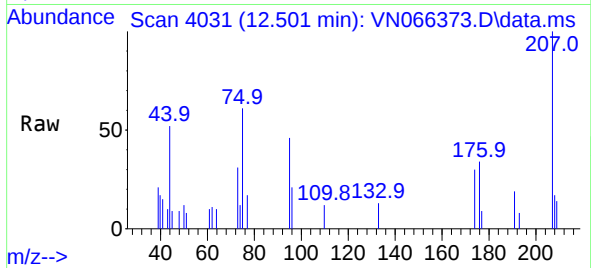
#75
1,1,2,2-Tetrachloroethane
Concen: 0.22 ug/l
RT: 12.452 min Scan# 4013
Delta R.T. 0.005 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51

Tgt Ion: 83 Resp: 1322
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0#
85 50.5 33.8 101.3

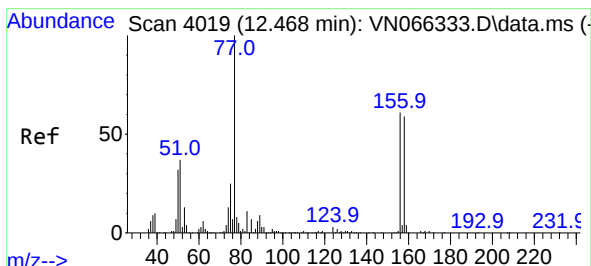
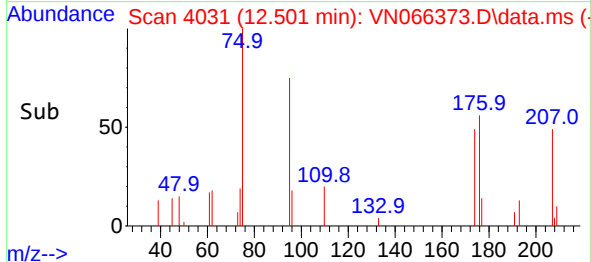
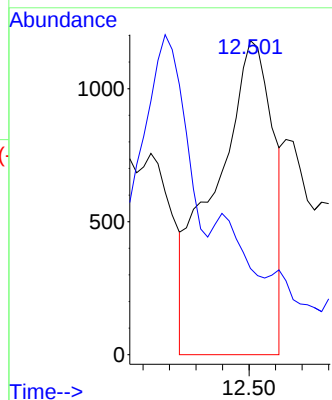




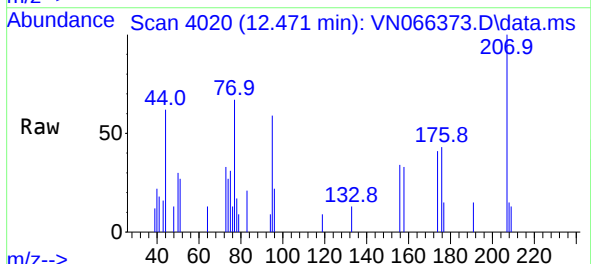
#76
1,2,3-Trichloropropane
Concen: 0.33 ug/l m
RT: 12.501 min Scan# 4031
Delta R.T. 0.003 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51



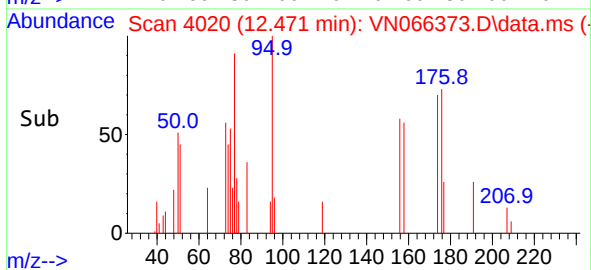
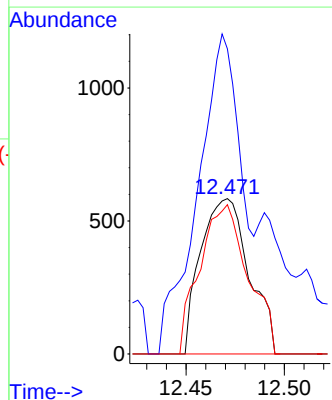
Tgt Ion: 75 Resp: 1801
Ion Ratio Lower Upper
75 100
77 108.0 0.0 0.0#



#77
Bromobenzene
Concen: 0.21 ug/l
RT: 12.471 min Scan# 4020
Delta R.T. 0.003 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51



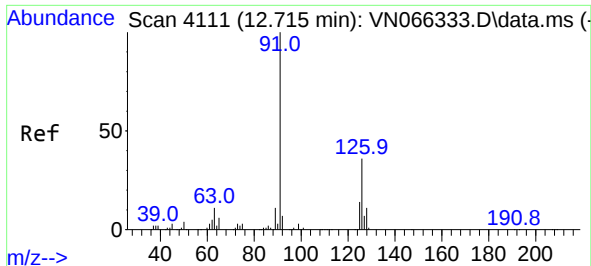
Tgt Ion: 156 Resp: 1002
Ion Ratio Lower Upper
156 100
77 185.7 99.7 299.1
158 95.7 48.8 146.3



Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2021

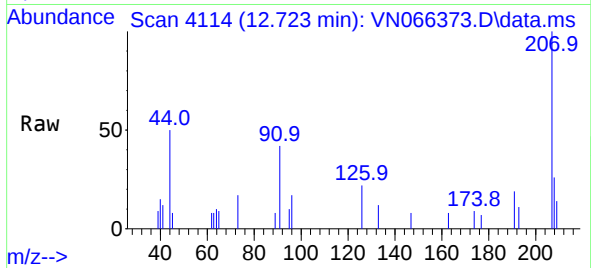
Manual Integrations
APPROVED

MMDadoda
3/30/2021 7:50:46 PM



#82
4-Chlorotoluene
Concen: 0.23 ug/l m
RT: 12.723 min Scan# 4114
Delta R.T. 0.008 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51

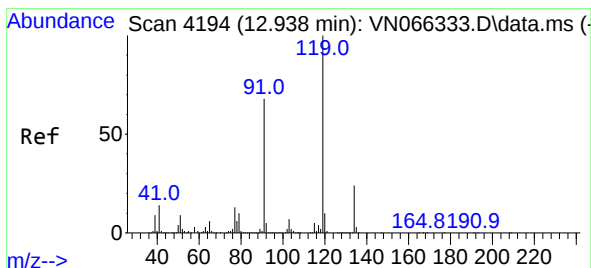
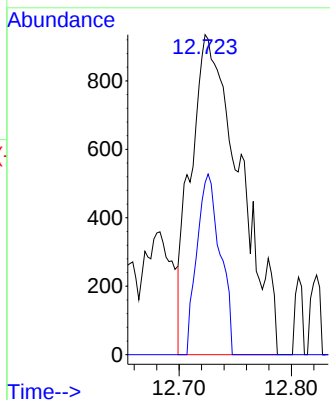
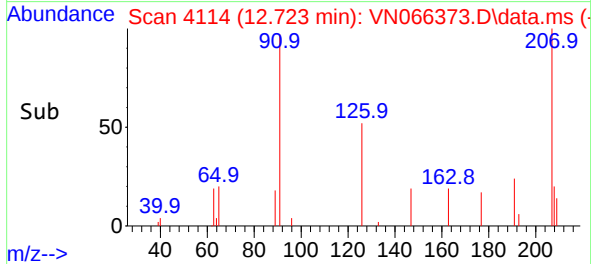
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2021



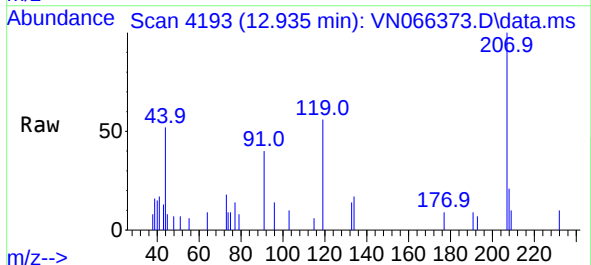
Tgt Ion: 91 Resp: 2842
Ion Ratio Lower Upper
91 100
126 27.0 16.6 49.8

Manual Integrations
APPROVED

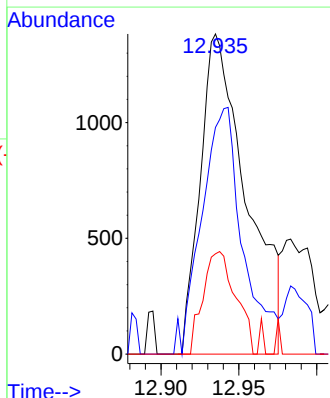
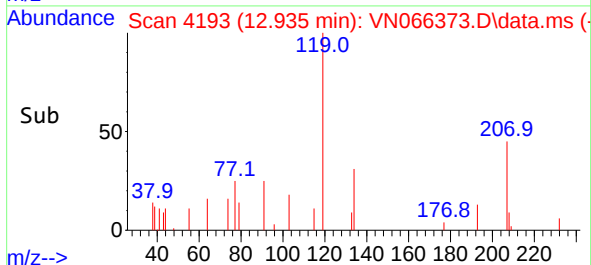
MMDadoda
3/30/2021 7:50:46 PM

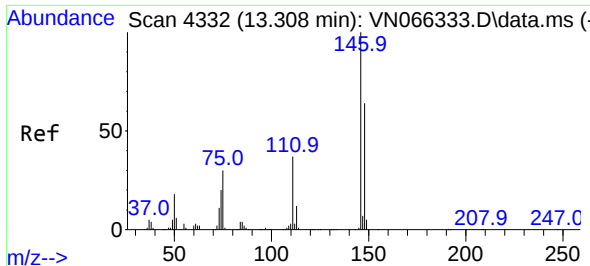


#83
tert-Butylbenzene
Concen: 0.22 ug/l
RT: 12.935 min Scan# 4193
Delta R.T. -0.003 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51

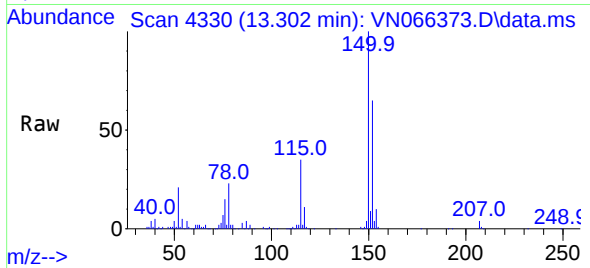


Tgt Ion: 119 Resp: 2853
Ion Ratio Lower Upper
119 100
91 68.4 33.3 99.8
134 22.7 12.9 38.6

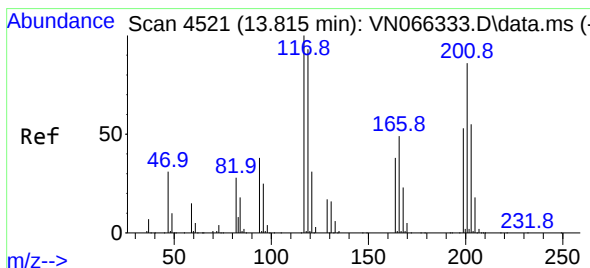
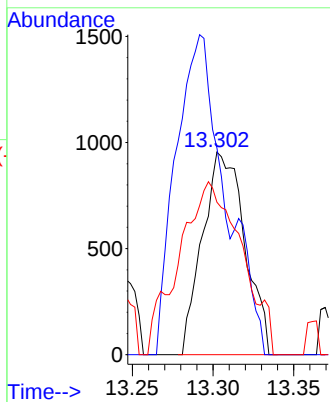
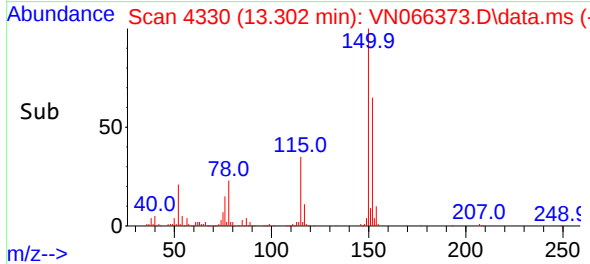




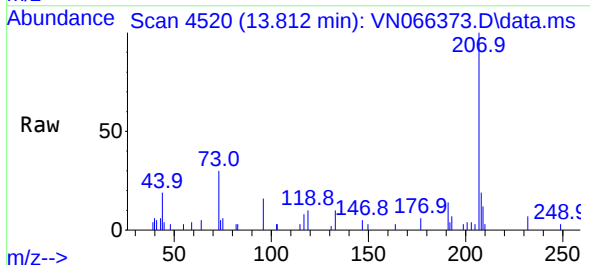
#88
 1,4-Dichlorobenzene
 Concen: 0.21 ug/l m
 RT: 13.302 min Scan# 4330
 Delta R.T. -0.005 min
 Lab File: VN066373.D
 Acq: 29 Mar 2021 13:51



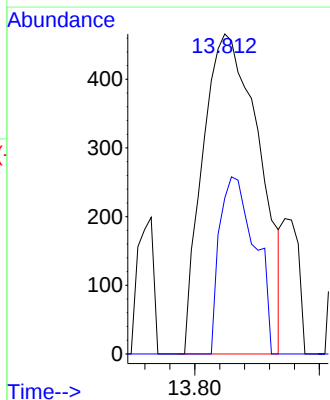
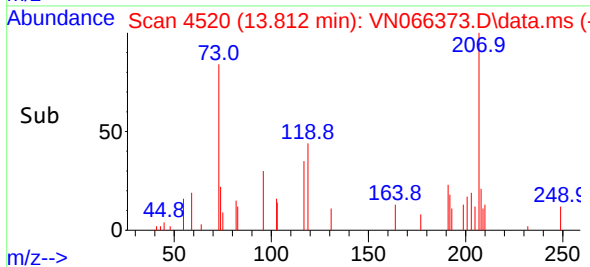
Tgt Ion:146 Resp: 1738
 Ion Ratio Lower Upper
 146 100
 111 35.4 18.3 54.9
 148 49.3 31.9 95.9



#90
 Hexachloroethane
 Concen: 0.27 ug/l
 RT: 13.812 min Scan# 4520
 Delta R.T. -0.003 min
 Lab File: VN066373.D
 Acq: 29 Mar 2021 13:51



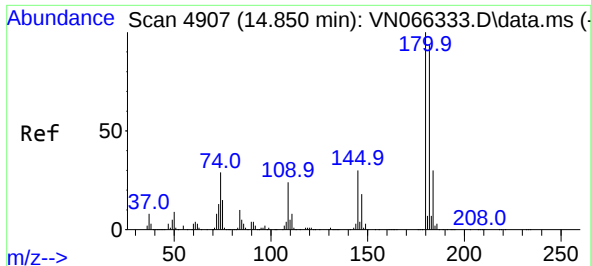
Tgt Ion:117 Resp: 737
 Ion Ratio Lower Upper
 117 100
 201 34.6 44.0 131.8#



Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2021

Manual Integrations
 APPROVED

MMDadoda
 3/30/2021 7:50:46 PM



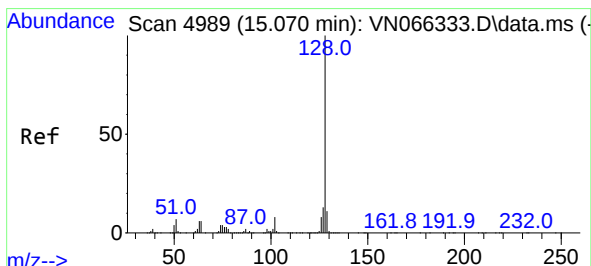
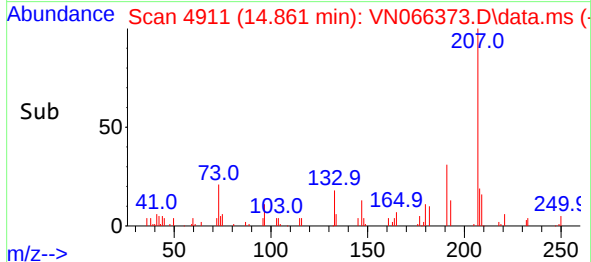
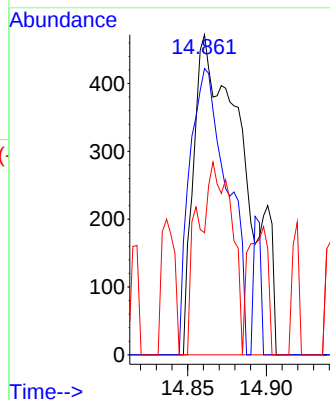
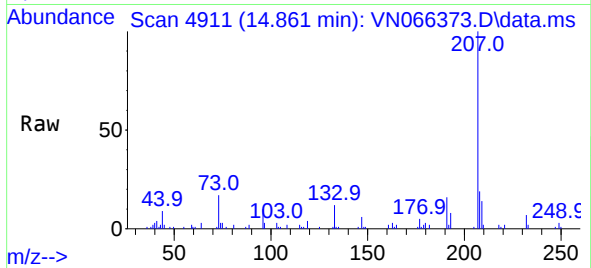
#93
1,2,4-Trichlorobenzene
Concen: 0.22 ug/l m
RT: 14.861 min Scan# 4911
Delta R.T. 0.011 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	67.6	47.4	142.3
145	28.3	14.2	42.8

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2021

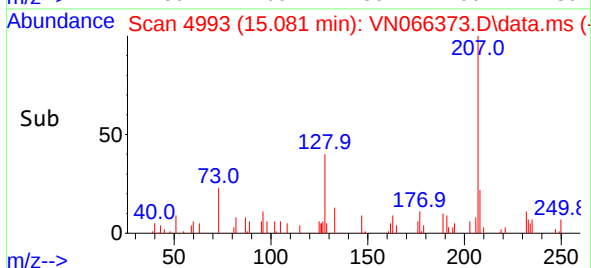
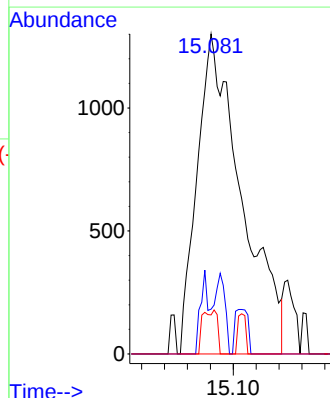
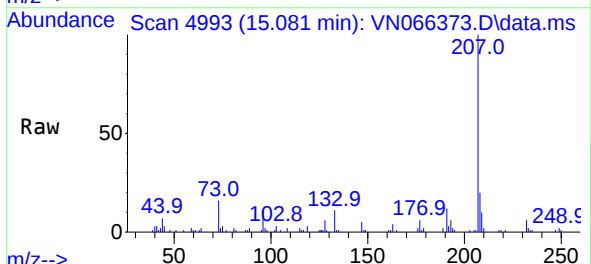
Manual Integrations
APPROVED

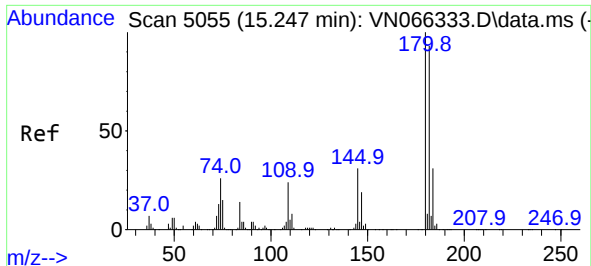
MMDadoda
3/30/2021 7:50:46 PM



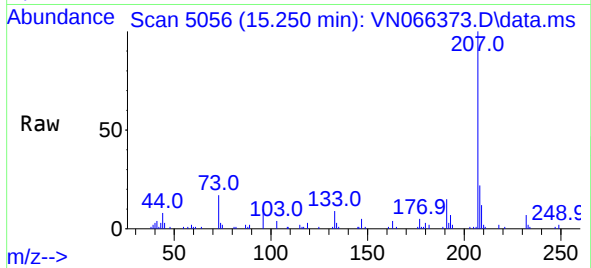
#95
Naphthalene
Concen: 0.24 ug/l m
RT: 15.081 min Scan# 4993
Delta R.T. 0.011 min
Lab File: VN066373.D
Acq: 29 Mar 2021 13:51

Tgt Ion	Ratio	Lower	Upper
128	100		
127	5.0	10.5	15.7#
129	3.0	8.5	12.7#

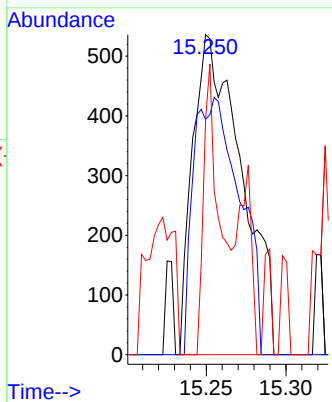
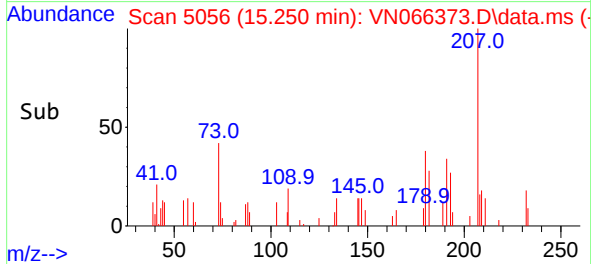




#96
 1,2,3-Trichlorobenzene
 Concen: 0.24 ug/l m
 RT: 15.250 min Scan# 5056
 Delta R.T. 0.003 min
 Lab File: VN066373.D
 Acq: 29 Mar 2021 13:51



Tgt Ion	Ratio	Lower	Upper
180	100		
182	24.0	47.6	142.9#
145	29.5	15.4	46.1



Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2021

Manual Integrations
 APPROVED

MMDadoda
 3/30/2021 7:50:46 PM