

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN032921\  
 Data File : VN066375.D  
 Acq On : 29 Mar 2021 14:37  
 Operator : JC/MD  
 Sample : M1458-09 0.75PPB  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MDL-WATER-03-QT1-2021

Manual Integrations  
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 3/30/2021 7:50:50 PM

Quant Time: Mar 30 03:00:09 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	7.585	168	455031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.512	114	715531	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.347	117	637444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.286	152	237323	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.949	65	314469	51.99	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	103.98%
35) Dibromofluoromethane	7.507	113	244716	51.59	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.18%
50) Toluene-d8	10.028	98	922908	51.30	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.60%
62) 4-Bromofluorobenzene	12.345	95	264184	42.27	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	84.54%
Target Compounds						
2) Dichlorodifluoromethane	1.816	85	3560	0.62	ug/l	99
3) Chloromethane	2.014	50	7963	1.18	ug/l	96
4) Vinyl Chloride	2.145	62	5038	0.77	ug/l #	86
5) Bromomethane	2.510	94	4470	1.02	ug/l #	77
6) Chloroethane	2.650	64	3220	0.79	ug/l #	79
7) Trichlorofluoromethane	2.963	101	5972	0.66	ug/l	92
8) Diethyl Ether	3.342	74	3045	0.83	ug/l	74
9) 1,1,2-Trichlorotrifluo...	3.682	101	3576m	0.70	ug/l	
10) Methyl Iodide	3.862	142	4665	0.65	ug/l #	81
11) Tert butyl alcohol	4.707	59	3834m	4.16	ug/l	
12) 1,1-Dichloroethene	3.658	96	5032	0.96	ug/l	81
13) Acrolein	3.532	56	8259	13.80	ug/l	85
14) Allyl chloride	4.227	41	5715	0.55	ug/l #	69
15) Acrylonitrile	4.881	53	8525	3.31	ug/l #	79
16) Acetone	3.739	43	14160	4.33	ug/l	97
17) Carbon Disulfide	3.961	76	12139	0.79	ug/l	99
18) Methyl Acetate	4.243	43	7051	0.83	ug/l #	54
19) Methyl tert-butyl Ether	4.948	73	10921	0.71	ug/l	94
20) Methylene Chloride	4.452	84	5862	0.93	ug/l	94
21) trans-1,2-Dichloroethene	4.924	96	3609	0.76	ug/l	87
22) Diisopropyl ether	5.855	45	9075	0.56	ug/l #	81
23) Vinyl Acetate	5.804	43	43066	3.14	ug/l #	94
24) 1,1-Dichloroethane	5.731	63	6111m	0.69	ug/l	
25) 2-Butanone	6.756	43	11354	3.18	ug/l	99
26) 2,2-Dichloropropane	6.724	77	5390	0.68	ug/l	85
27) cis-1,2-Dichloroethene	6.729	96	3797	0.69	ug/l	81
28) Bromochloromethane	7.104	49	2863	0.64	ug/l #	93
29) Tetrahydrofuran	7.131	42	9090	3.90	ug/l #	78
30) Chloroform	7.281	83	6180	0.70	ug/l	86
31) Cyclohexane	7.579	56	14692	1.75	ug/l #	34
32) 1,1,1-Trichloroethane	7.485	97	5075	0.65	ug/l #	50
36) 1,1-Dichloropropene	7.705	75	4708m	0.70	ug/l	
37) Ethyl Acetate	6.852	43	5679m	0.77	ug/l	
38) Carbon Tetrachloride	7.697	117	4626	0.68	ug/l #	69
39) Methylcyclohexane	9.011	83	4951	0.60	ug/l	90
40) Benzene	7.963	78	12899	0.64	ug/l	92

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 Quant Title : SW846 8260  
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.080	41	2225	0.61	ug/l #	18
42) 1,2-Dichloroethane	8.046	62	5315	0.73	ug/l	93
43) Isopropyl Acetate	8.097	43	8920	0.71	ug/l #	92
44) Trichloroethene	8.765	130	3831	0.72	ug/l	97
45) 1,2-Dichloropropane	9.049	63	3682	0.68	ug/l	93
46) Dibromomethane	9.135	93	2416m	0.68	ug/l	
47) Bromodichloromethane	9.330	83	4638	0.63	ug/l	96
48) Methyl methacrylate	9.137	41	4796	0.80	ug/l #	87
49) 1,4-Dioxane	9.137	88	988	13.06	ug/l #	58
51) 4-Methyl-2-Pentanone	9.923	43	22953	3.11	ug/l	95
52) Toluene	10.089	92	7921	0.64	ug/l	94
53) t-1,3-Dichloropropene	10.317	75	4886	0.61	ug/l	100
54) cis-1,3-Dichloropropene	9.776	75	5358	0.63	ug/l	95
55) 1,1,2-Trichloroethane	10.500	97	3401	0.68	ug/l #	88
56) Ethyl methacrylate	10.374	69	4555	0.59	ug/l #	79
57) 1,3-Dichloropropane	10.647	76	5338	0.64	ug/l	89
58) 2-Chloroethyl Vinyl ether	9.634	63	2965	4.29	ug/l #	86
59) 2-Hexanone	10.696	43	13424	2.59	ug/l	94
60) Dibromochloromethane	10.843	129	3531	0.63	ug/l	93
61) 1,2-Dibromoethane	10.942	107	3345	0.64	ug/l	96
64) Tetrachloroethene	10.570	164	3582	0.66	ug/l	91
65) Chlorobenzene	11.374	112	8318	0.65	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.447	131	2776	0.57	ug/l #	54
67) Ethyl Benzene	11.452	91	14363	0.62	ug/l	99
68) m/p-Xylenes	11.565	106	10031	1.14	ug/l	95
69) o-Xylene	11.892	106	5031	0.59	ug/l	96
70) Styrene	11.905	104	6873	0.50	ug/l	91
71) Bromoform	12.071	173	2315	0.57	ug/l #	93
73) Isopropylbenzene	12.192	105	11661	0.66	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.452	83	4089	0.73	ug/l #	88
76) 1,2,3-Trichloropropane	12.501	75	4728m	0.91	ug/l	
77) Bromobenzene	12.466	156	3112	0.70	ug/l	81
78) n-propylbenzene	12.538	91	11676	0.61	ug/l	96
79) 2-Chlorotoluene	12.619	91	7369	0.62	ug/l	95
80) 1,3,5-Trimethylbenzene	12.678	105	8694	0.60	ug/l	88
81) trans-1,4-Dichloro-2-b...	12.251	75	1059m	0.61	ug/l	
82) 4-Chlorotoluene	12.720	91	5636	0.48	ug/l	87
83) tert-Butylbenzene	12.935	119	8575	0.69	ug/l	99
84) 1,2,4-Trimethylbenzene	12.986	105	8184	0.58	ug/l	97
85) sec-Butylbenzene	13.117	105	9991	0.62	ug/l	98
86) p-Isopropyltoluene	13.233	119	8644	0.60	ug/l	84
87) 1,3-Dichlorobenzene	13.227	146	4339	0.58	ug/l	96
88) 1,4-Dichlorobenzene	13.308	146	4963m	0.64	ug/l	
89) n-Butylbenzene	13.565	91	6408	0.54	ug/l	83
90) Hexachloroethane	13.815	117	2027	0.78	ug/l	64
91) 1,2-Dichlorobenzene	13.603	146	4121	0.56	ug/l	77
93) 1,2,4-Trichlorobenzene	14.861	180	2809m	0.62	ug/l	
94) Hexachlorobutadiene	14.947	225	1361	0.55	ug/l	97
95) Naphthalene	15.078	128	7421	0.54	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.258	180	2725	0.59	ug/l	87

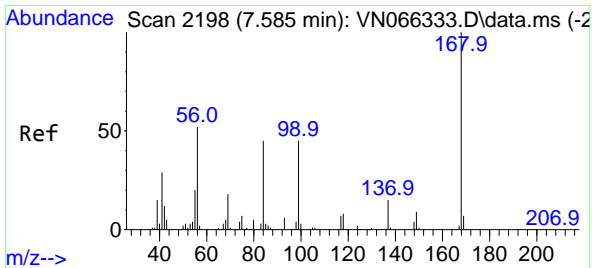
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_N  
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**Manual Integrations**  
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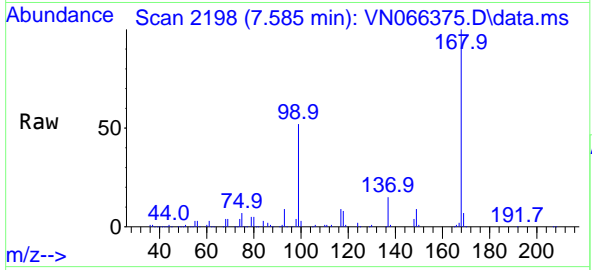
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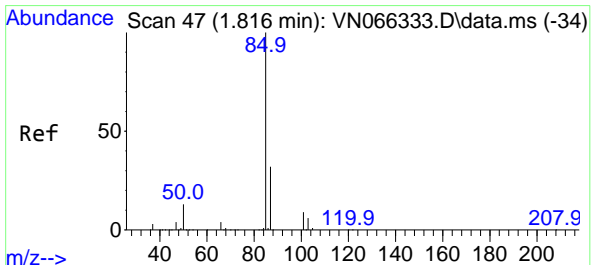
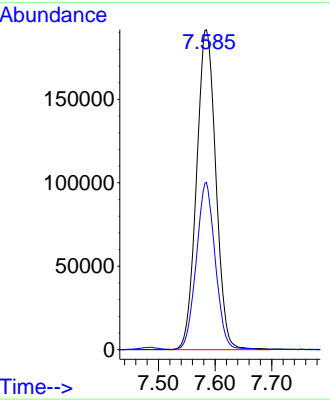
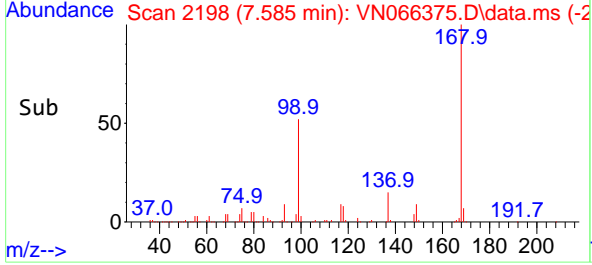
#1  
 Pentafluorobenzene  
 Concen: 50.00 ug/l  
 RT: 7.585 min Scan# 2198  
 Delta R.T. -0.000 min  
 Lab File: VN066375.D  
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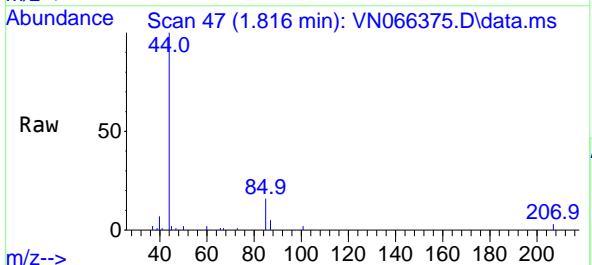


Tgt Ion:168 Resp: 455031  
 Ion Ratio Lower Upper  
 168 100  
 99 52.2 41.1 61.7

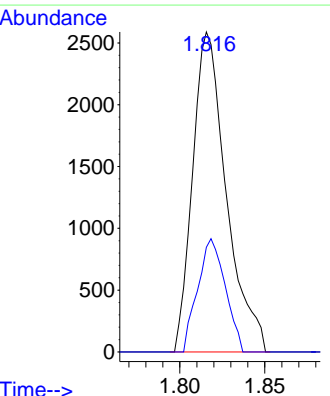
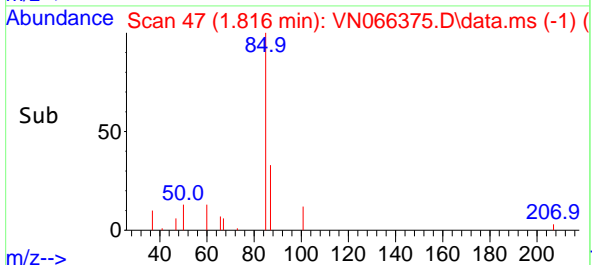
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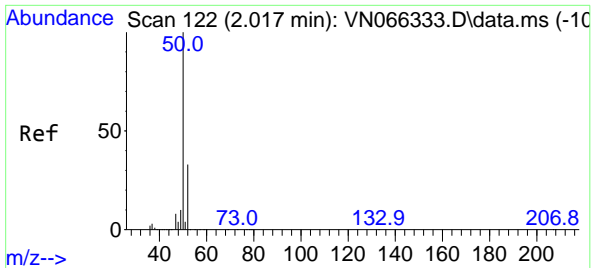


#2  
 Dichlorodifluoromethane  
 Concen: 0.62 ug/l  
 RT: 1.816 min Scan# 47  
 Delta R.T. 0.000 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37



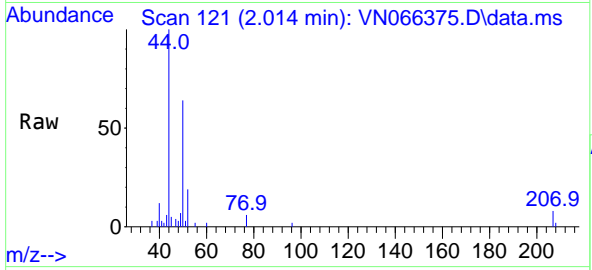
Tgt Ion: 85 Resp: 3560  
 Ion Ratio Lower Upper  
 85 100  
 87 32.7 16.2 48.6





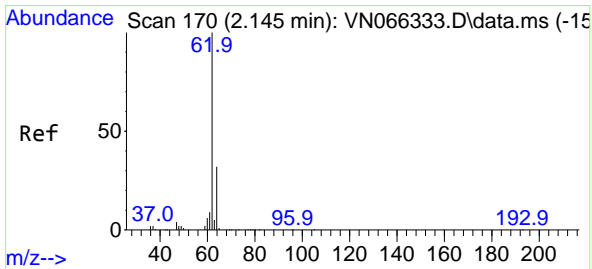
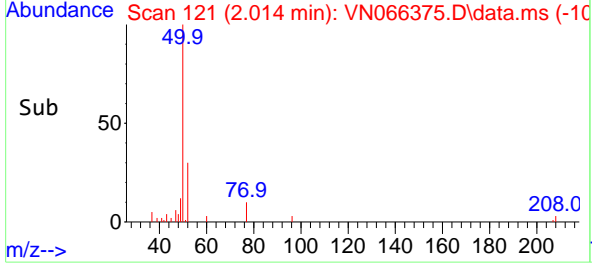
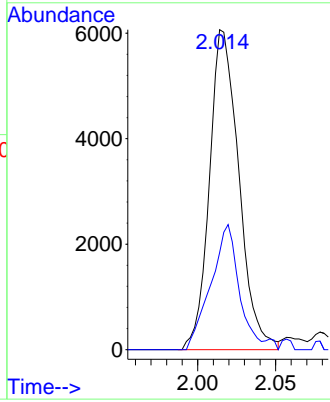
#3  
 Chloromethane  
 Concen: 1.18 ug/l  
 RT: 2.014 min Scan# 121  
 Delta R.T. -0.003 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

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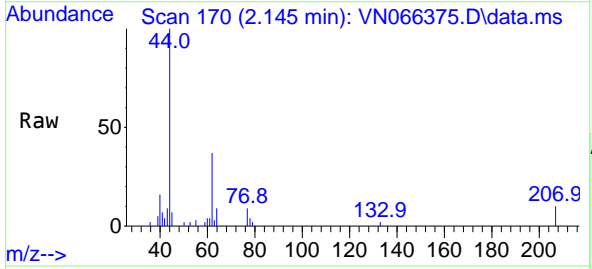


Tgt Ion: 50 Resp: 7963  
 Ion Ratio Lower Upper  
 50 100  
 52 30.3 26.2 39.2

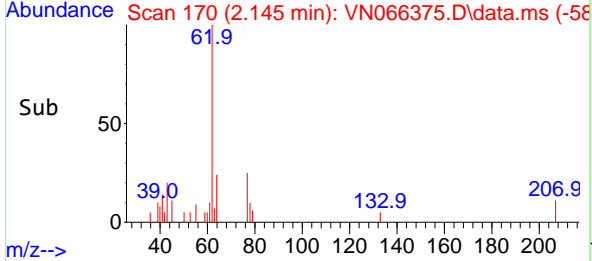
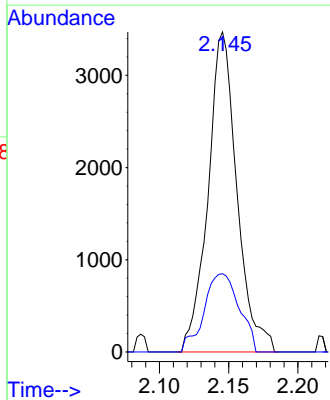
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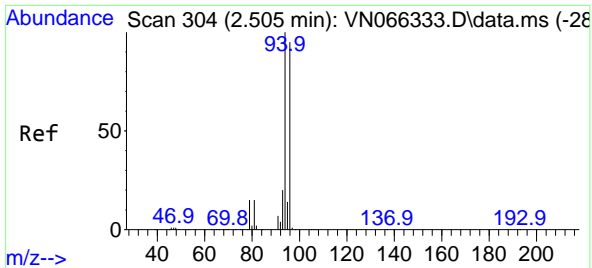


#4  
 Vinyl Chloride  
 Concen: 0.77 ug/l  
 RT: 2.145 min Scan# 170  
 Delta R.T. 0.000 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37



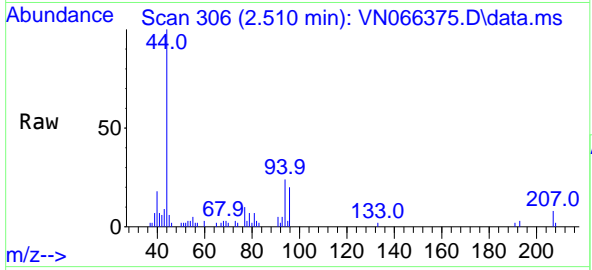
Tgt Ion: 62 Resp: 5038  
 Ion Ratio Lower Upper  
 62 100  
 64 24.4 25.6 38.4#





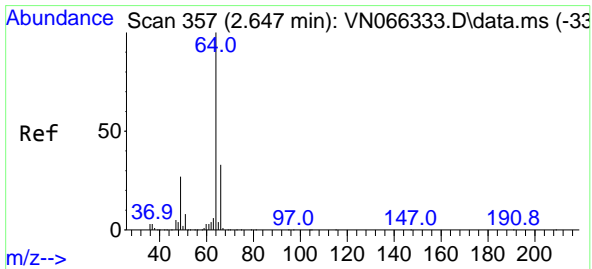
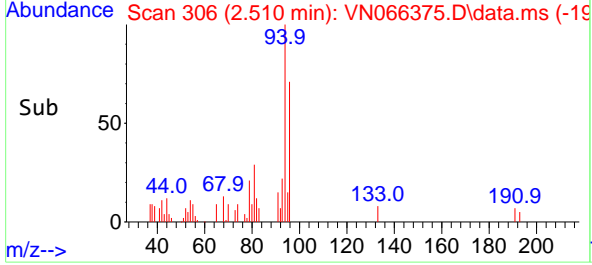
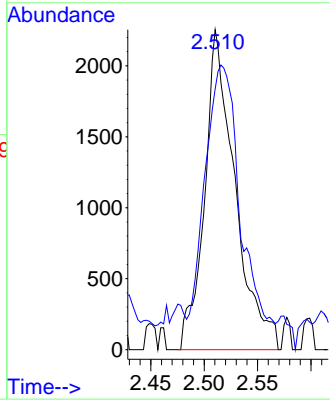
#5  
 Bromomethane  
 Concen: 1.02 ug/l  
 RT: 2.510 min Scan# 306  
 Delta R.T. 0.005 min  
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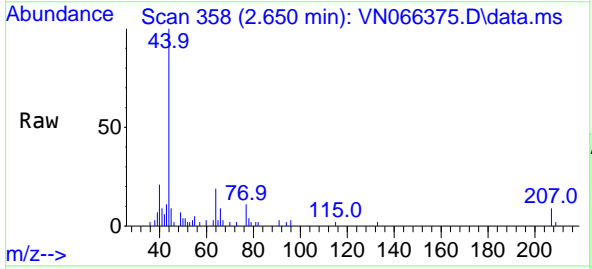


Tgt Ion: 94 Resp: 4470  
 Ion Ratio Lower Upper  
 94 100  
 96 72.7 75.8 113.6#

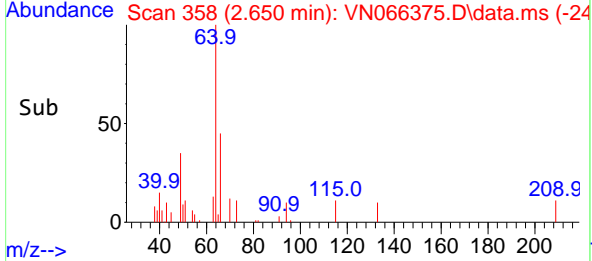
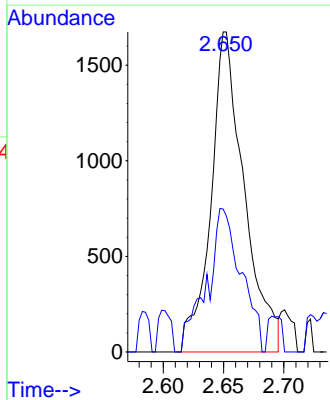
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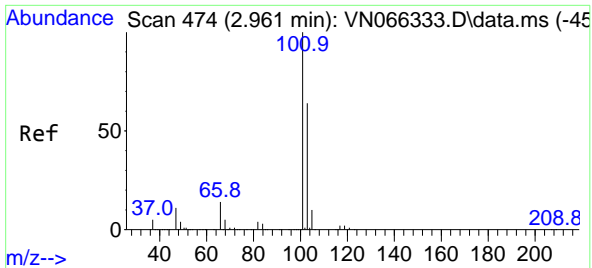


#6  
 Chloroethane  
 Concen: 0.79 ug/l  
 RT: 2.650 min Scan# 358  
 Delta R.T. 0.003 min  
 Lab File: VN066375.D  
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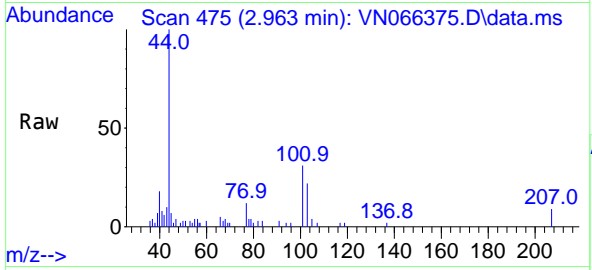
Tgt Ion: 64 Resp: 3220  
 Ion Ratio Lower Upper  
 64 100  
 66 44.7 26.1 39.1#





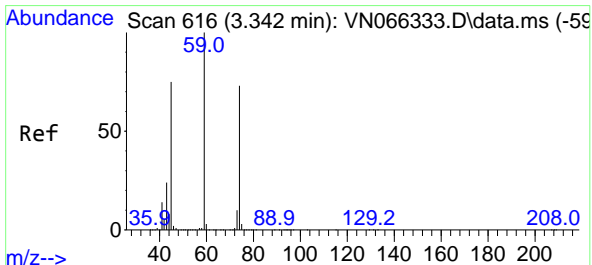
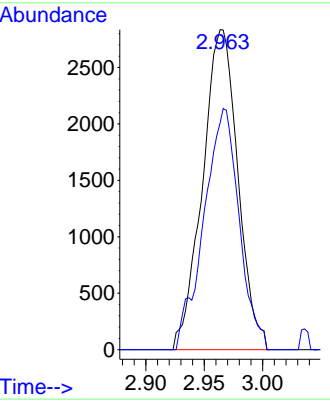
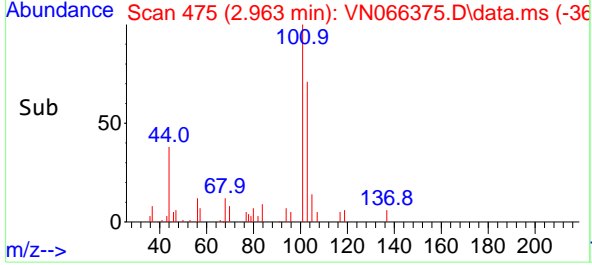
#7  
 Trichlorofluoromethane  
 Concen: 0.66 ug/l  
 RT: 2.963 min Scan# 475  
 Delta R.T. 0.003 min  
 Lab File: VN066375.D  
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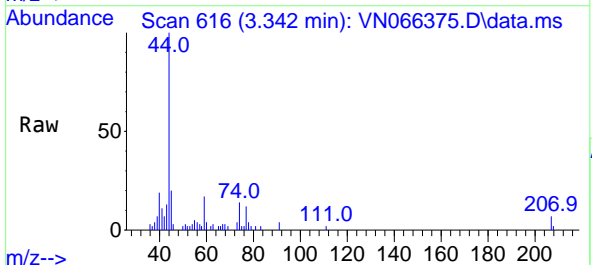


Tgt Ion: 101 Resp: 5972  
 Ion Ratio Lower Upper  
 101 100  
 103 70.8 51.4 77.0

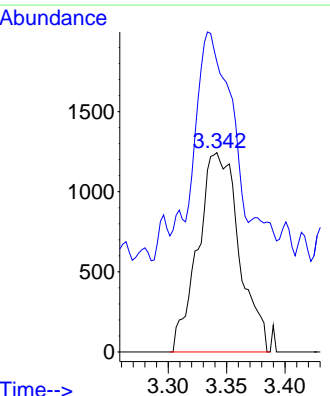
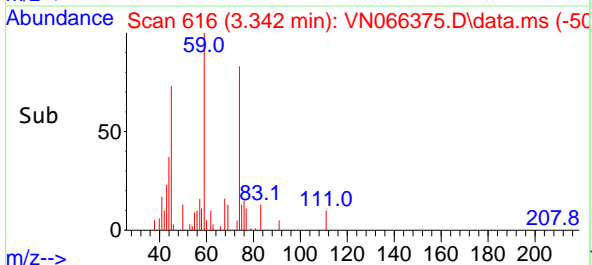
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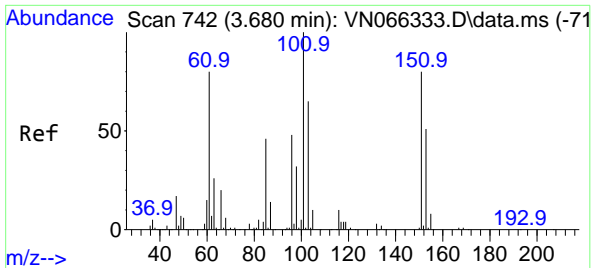
#8  
 Diethyl Ether  
 Concen: 0.83 ug/l  
 RT: 3.342 min Scan# 616  
 Delta R.T. 0.000 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37



Tgt Ion: 74 Resp: 3045  
 Ion Ratio Lower Upper  
 74 100  
 45 76.9 51.6 154.8

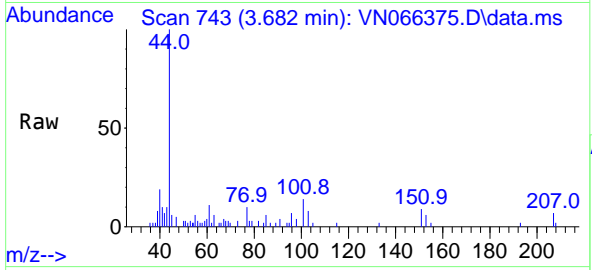






#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 0.70 ug/l m  
 RT: 3.682 min Scan# 743  
 Delta R.T. 0.002 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

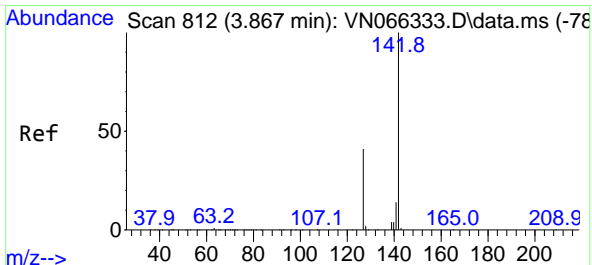
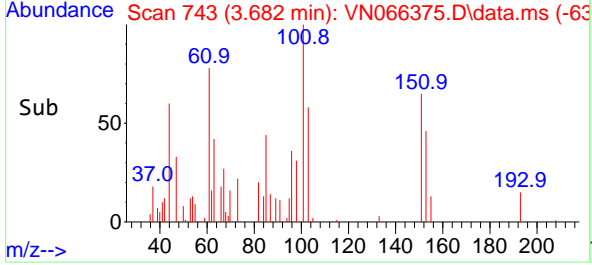
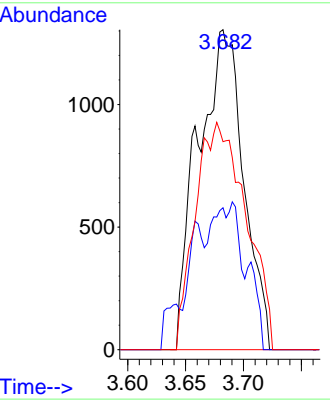
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**ClientSampled :**  
 MDL-WATER-03-QT1-2021



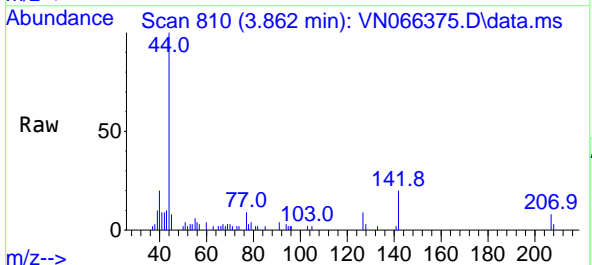
Tgt Ion:101 Resp: 3576

Ion	Ratio	Lower	Upper
101	100		
85	3.6	36.8	55.2#
151	78.9	63.0	94.4

**Manual Integrations**  
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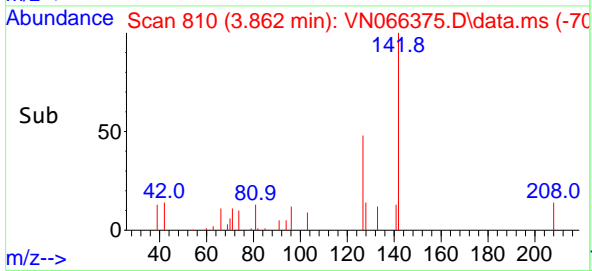
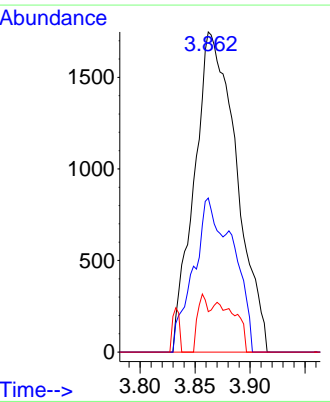


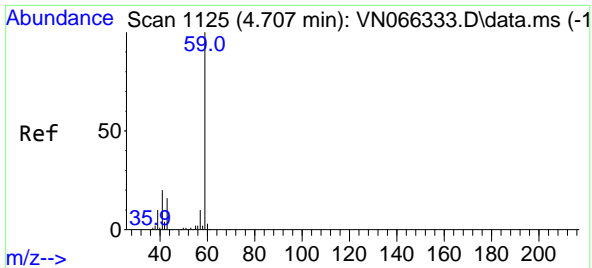
#10  
 Methyl Iodide  
 Concen: 0.65 ug/l  
 RT: 3.862 min Scan# 810  
 Delta R.T. -0.005 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37



Tgt Ion:142 Resp: 4665

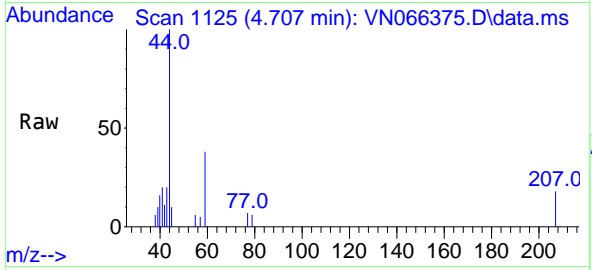
Ion	Ratio	Lower	Upper
142	100		
127	30.3	33.0	49.6#
141	4.3	11.1	16.7#





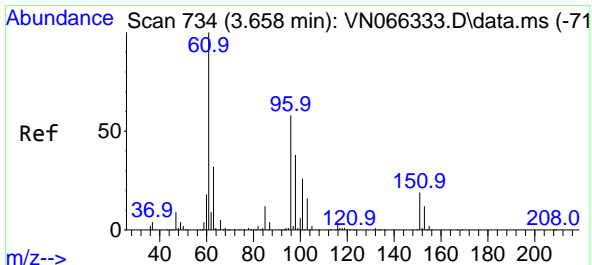
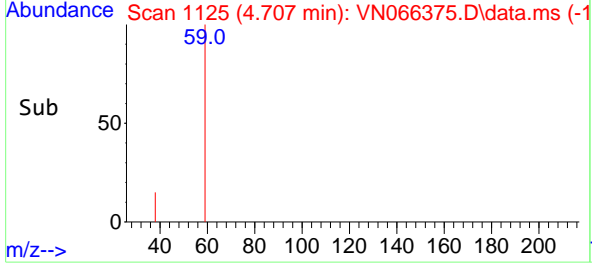
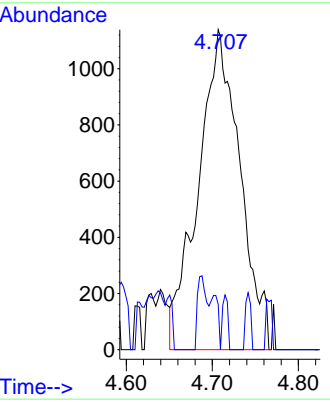
#11  
 Tert butyl alcohol  
 Concen: 4.16 ug/l m  
 RT: 4.707 min Scan# 1125  
 Delta R.T. 0.000 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

**Instrument :**  
 MSVOA\_N  
**ClientSampled :**  
 MDL-WATER-03-QT1-2021

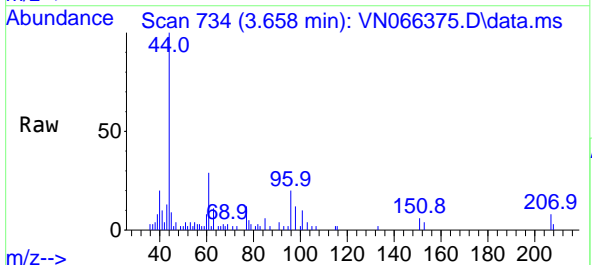


Tgt Ion: 59 Resp: 3834  
 Ion Ratio Lower Upper  
 59 100  
 57 2.2 4.1 6.1#

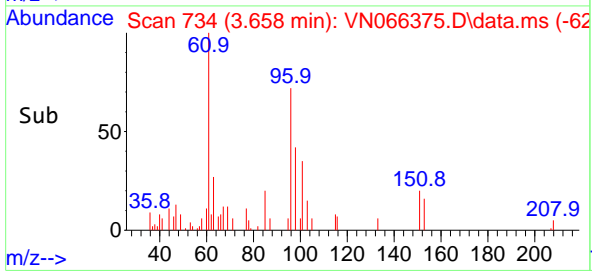
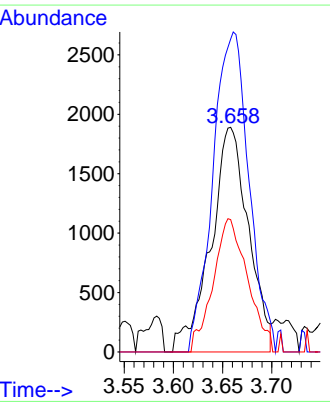
**Manual Integrations**  
**APPROVED**  
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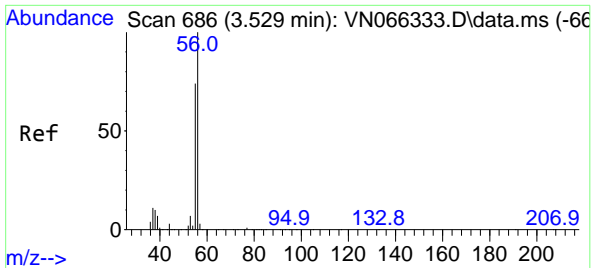


#12  
 1,1-Dichloroethene  
 Concen: 0.96 ug/l  
 RT: 3.658 min Scan# 734  
 Delta R.T. 0.000 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37



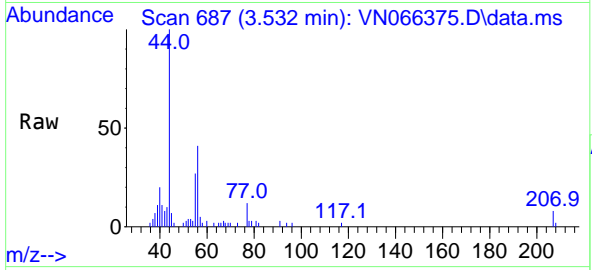
Tgt Ion: 96 Resp: 5032  
 Ion Ratio Lower Upper  
 96 100  
 61 139.4 137.0 205.4  
 98 58.9 51.5 77.3





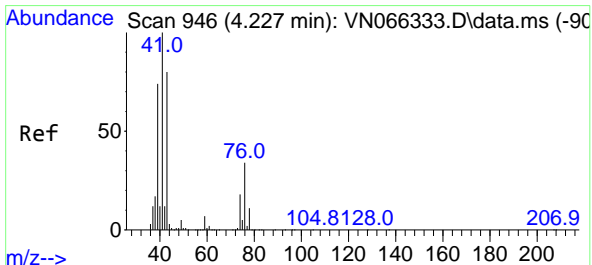
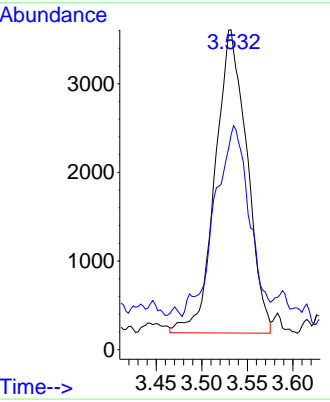
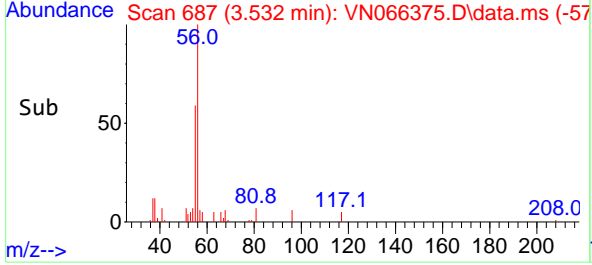
#13  
 Acrolein  
 Concen: 13.80 ug/l  
 RT: 3.532 min Scan# 687  
 Delta R.T. 0.003 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

Instrument : MSVOA\_N  
 Client Sampled : MDL-WATER-03-QT1-2021

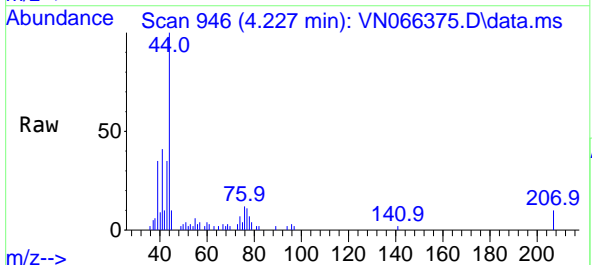


Tgt Ion: 56 Resp: 8259  
 Ion Ratio Lower Upper  
 56 100  
 55 59.8 57.9 86.9

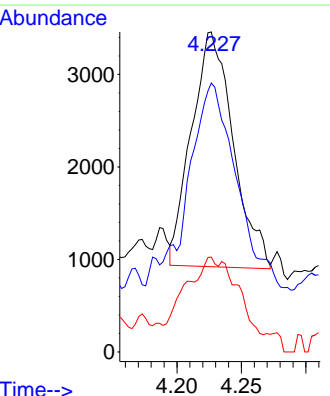
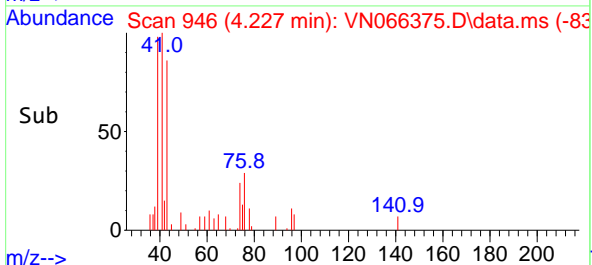
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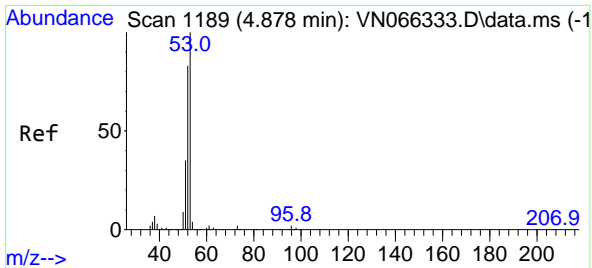


#14  
 Allyl chloride  
 Concen: 0.55 ug/l  
 RT: 4.227 min Scan# 946  
 Delta R.T. 0.000 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37



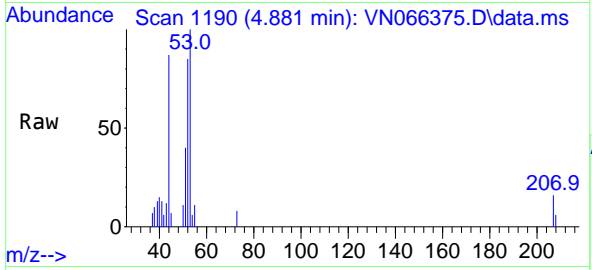
Tgt Ion: 41 Resp: 5715  
 Ion Ratio Lower Upper  
 41 100  
 39 99.8 55.3 82.9#  
 76 38.7 24.6 36.8#





#15  
 Acrylonitrile  
 Concen: 3.31 ug/l  
 RT: 4.881 min Scan# 1190  
 Delta R.T. 0.003 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

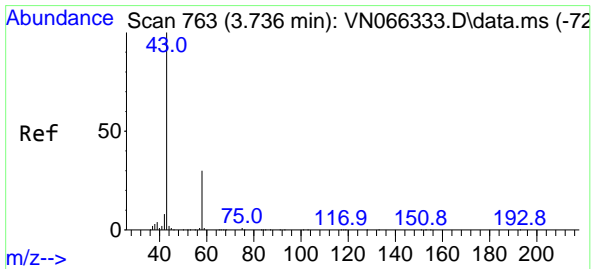
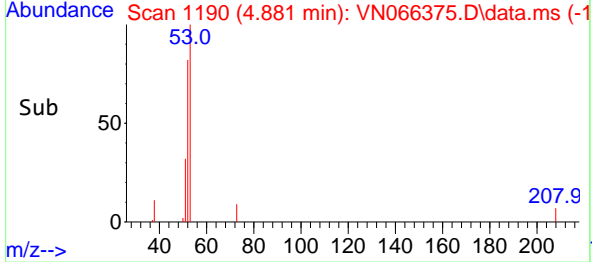
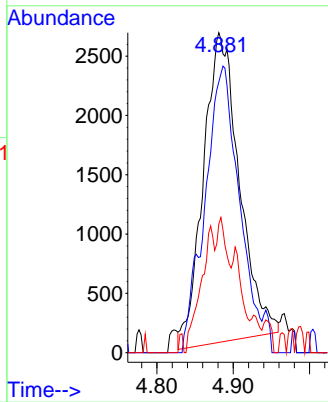
**Instrument :**  
 MSVOA\_N  
**ClientSampled :**  
 MDL-WATER-03-QT1-2021



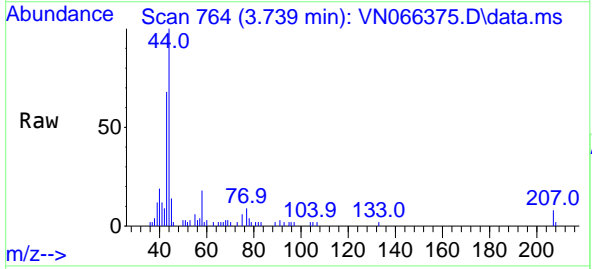
Tgt Ion: 53 Resp: 8525

Ion	Ratio	Lower	Upper
53	100		
52	88.0	66.6	99.8
51	4.0	29.4	44.0#

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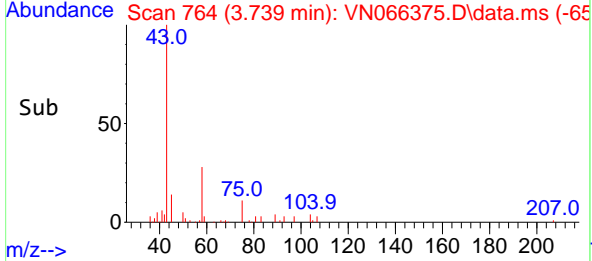
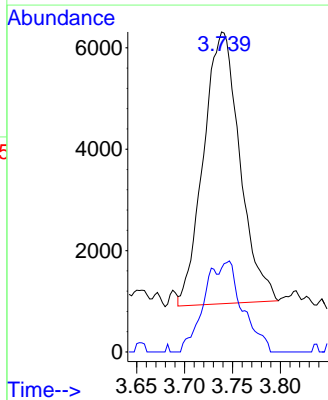


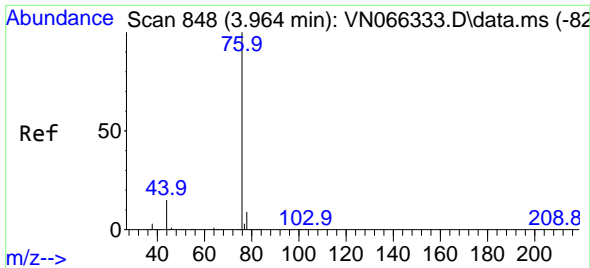
#16  
 Acetone  
 Concen: 4.33 ug/l  
 RT: 3.739 min Scan# 764  
 Delta R.T. 0.003 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37



Tgt Ion: 43 Resp: 14160

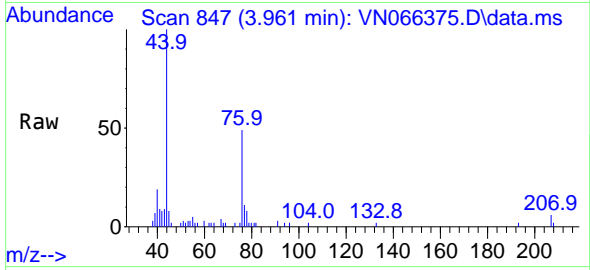
Ion	Ratio	Lower	Upper
43	100		
58	31.2	23.8	35.8





#17  
 Carbon Disulfide  
 Concen: 0.79 ug/l  
 RT: 3.961 min Scan# 847  
 Delta R.T. -0.003 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

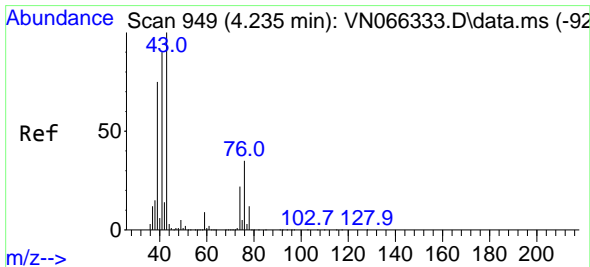
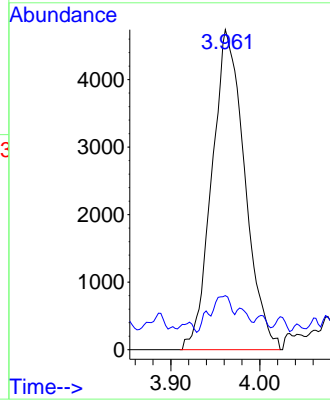
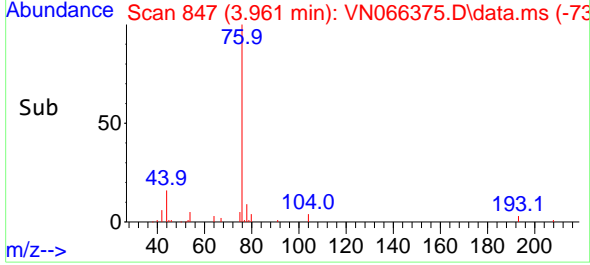
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 MDL-WATER-03-QT1-2021



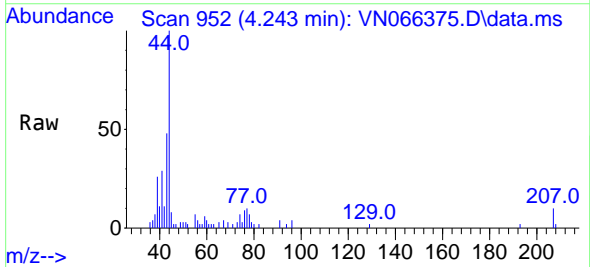
Tgt Ion: 76 Resp: 12139  
 Ion Ratio Lower Upper  
 76 100  
 78 9.7 7.4 11.0

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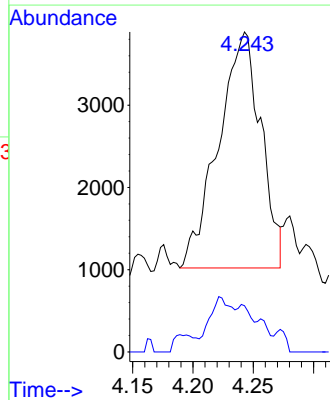
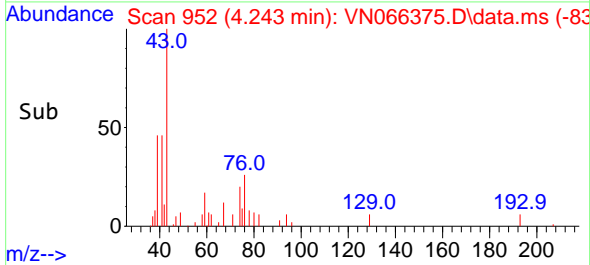
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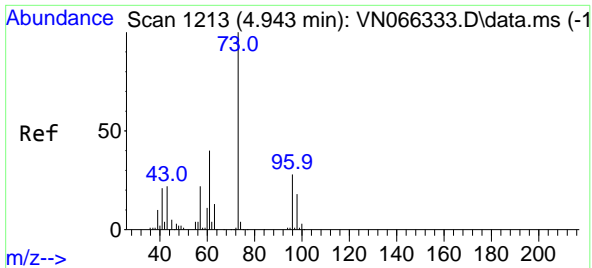


#18  
 Methyl Acetate  
 Concen: 0.83 ug/l  
 RT: 4.243 min Scan# 952  
 Delta R.T. 0.008 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37



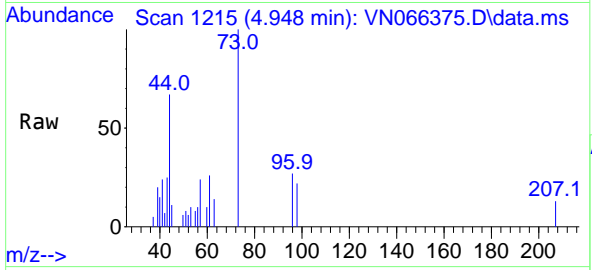
Tgt Ion: 43 Resp: 7051  
 Ion Ratio Lower Upper  
 43 100  
 74 0.0 17.6 26.4#





#19  
 Methyl tert-butyl Ether  
 Concen: 0.71 ug/l  
 RT: 4.948 min Scan# 1215  
 Delta R.T. 0.005 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

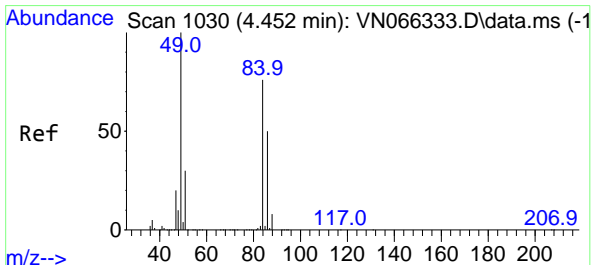
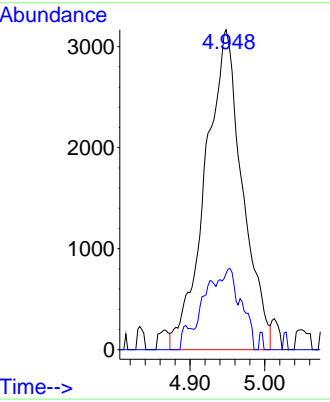
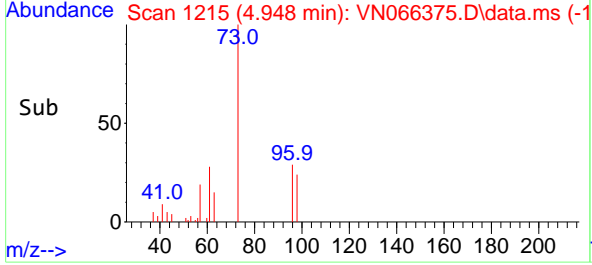
**Instrument :**  
 MSVOA\_N  
**Client Sampled :**  
 MDL-WATER-03-QT1-2021



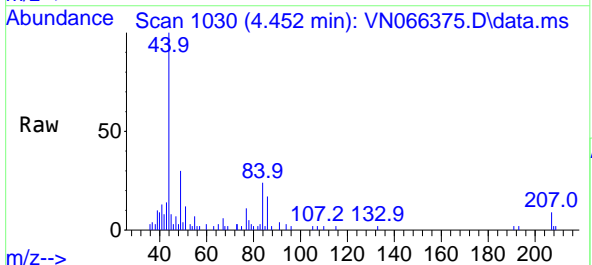
Tgt Ion: 73 Resp: 10921

Ion	Ratio	Lower	Upper
73	100		
57	25.1	17.6	26.4

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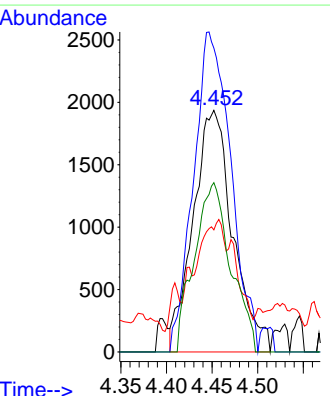
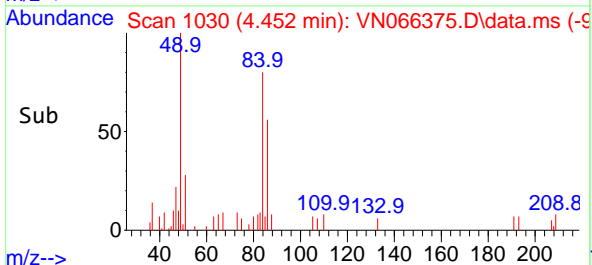


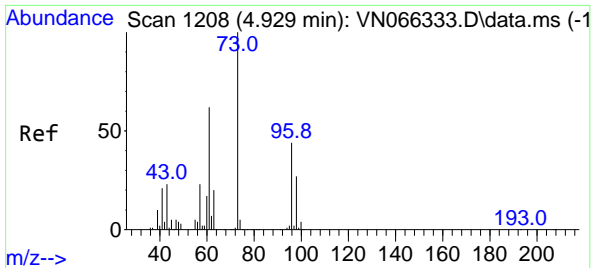
#20  
 Methylene Chloride  
 Concen: 0.93 ug/l  
 RT: 4.452 min Scan# 1030  
 Delta R.T. -0.000 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37



Tgt Ion: 84 Resp: 5862

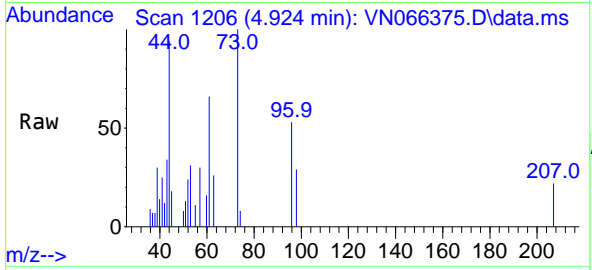
Ion	Ratio	Lower	Upper
84	100		
49	125.8	105.0	157.6
51	33.3	31.6	47.4
86	70.1	53.0	79.6





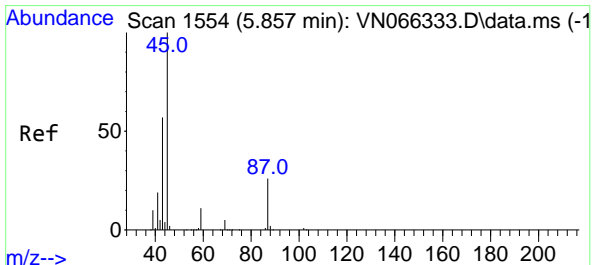
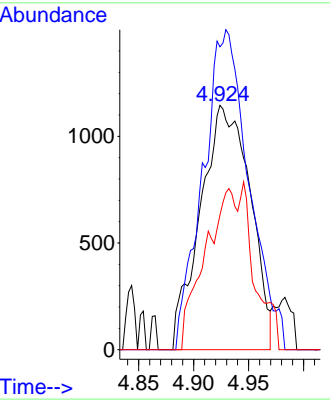
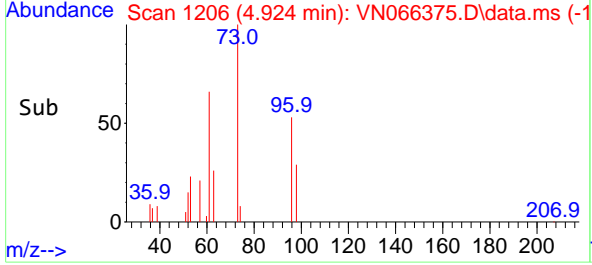
#21  
 trans-1,2-Dichloroethene  
 Concen: 0.76 ug/l  
 RT: 4.924 min Scan# 1206  
 Delta R.T. -0.005 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

**Instrument :**  
 MSVOA\_N  
**Client Sampled :**  
 MDL-WATER-03-QT1-2021

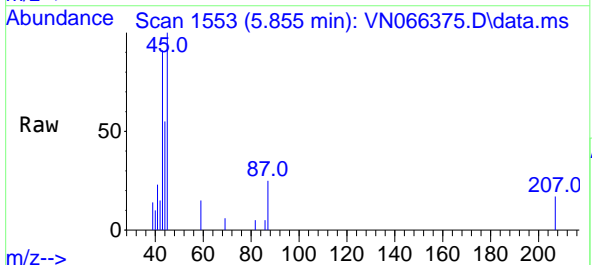


Tgt Ion: 96 Resp: 3609  
 Ion Ratio Lower Upper  
 96 100  
 61 124.0 113.7 170.5  
 98 55.1 50.2 75.2

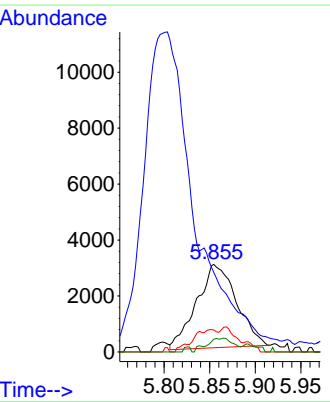
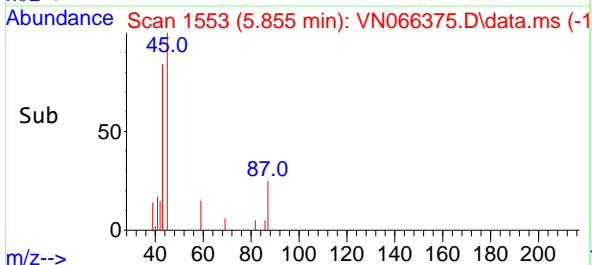
**Manual Integrations**  
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 3/30/2021 7:50:50 PM

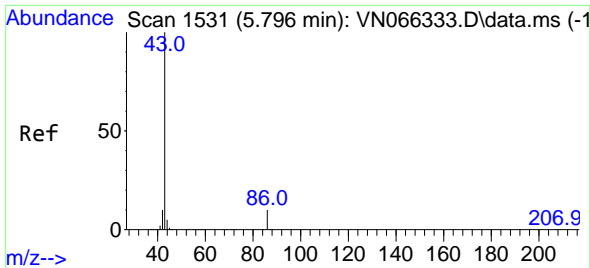


#22  
 Diisopropyl ether  
 Concen: 0.56 ug/l  
 RT: 5.855 min Scan# 1553  
 Delta R.T. -0.003 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37



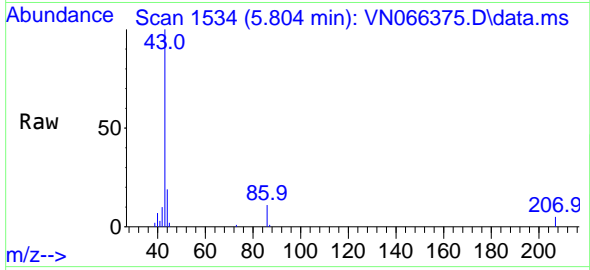
Tgt Ion: 45 Resp: 9075  
 Ion Ratio Lower Upper  
 45 100  
 43 81.2 48.1 72.1#  
 87 27.2 21.6 32.4  
 59 15.8 8.9 13.3#





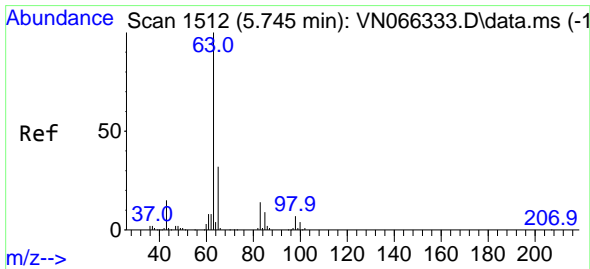
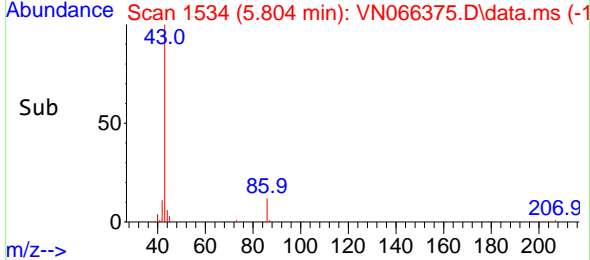
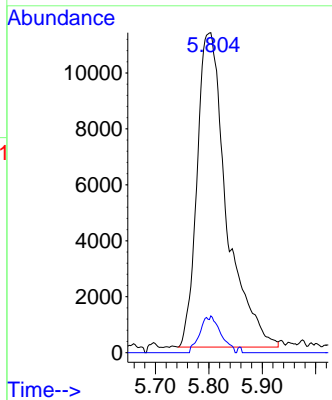
#23  
 Vinyl Acetate  
 Concen: 3.14 ug/l  
 RT: 5.804 min Scan# 1534  
 Delta R.T. 0.008 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

**Instrument :**  
 MSVOA\_N  
**ClientSampled :**  
 MDL-WATER-03-QT1-2021

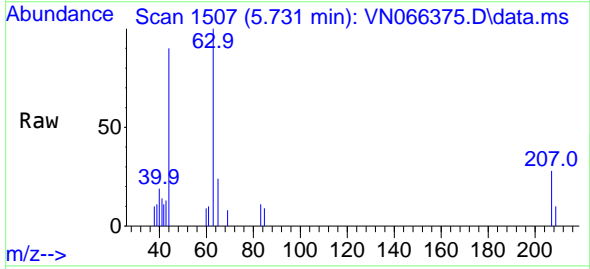


Tgt Ion: 43 Resp: 43066  
 Ion Ratio Lower Upper  
 43 100  
 86 11.7 7.7 11.5#

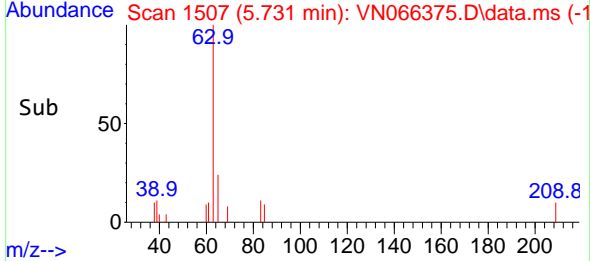
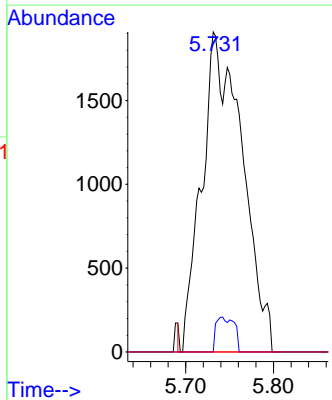
**Manual Integrations**  
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 3/30/2021 7:50:50 PM



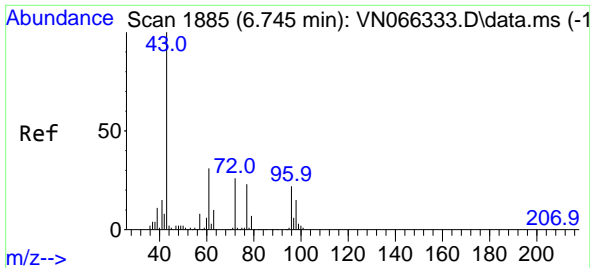
#24  
 1,1-Dichloroethane  
 Concen: 0.69 ug/l m  
 RT: 5.731 min Scan# 1507  
 Delta R.T. -0.013 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37



Tgt Ion: 63 Resp: 6111  
 Ion Ratio Lower Upper  
 63 100  
 98 0.0 3.4 10.1#  
 100 0.0 2.0 6.0#

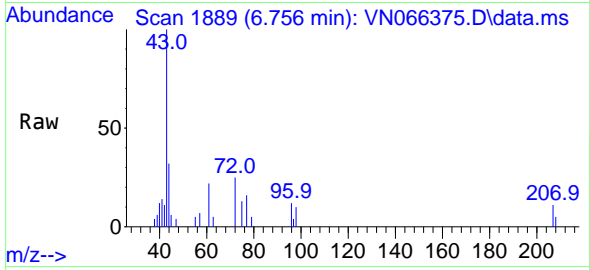






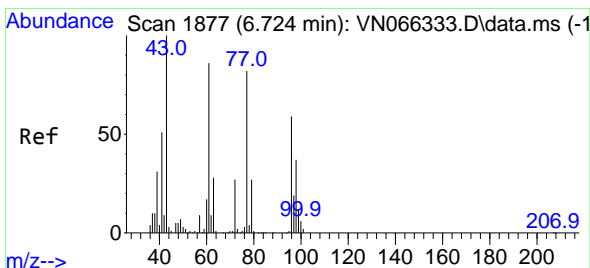
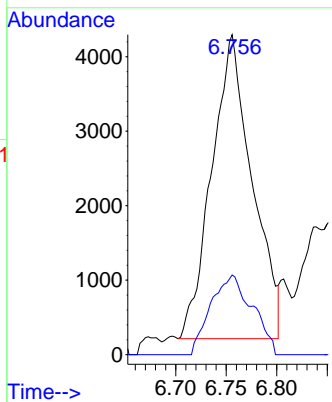
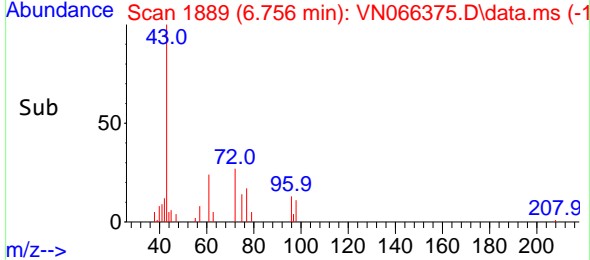
#25  
 2-Butanone  
 Concen: 3.18 ug/l  
 RT: 6.756 min Scan# 1889  
 Delta R.T. 0.011 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

**Instrument :**  
 MSVOA\_N  
**ClientSampled :**  
 MDL-WATER-03-QT1-2021

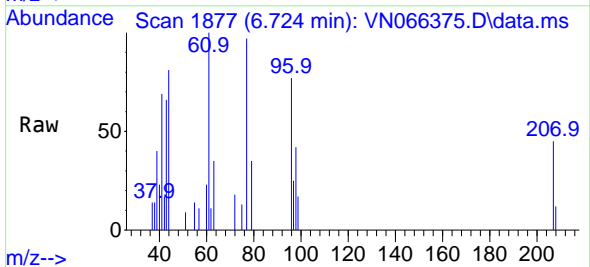


Tgt Ion: 43 Resp: 11354  
 Ion Ratio Lower Upper  
 43 100  
 72 26.2 20.7 31.1

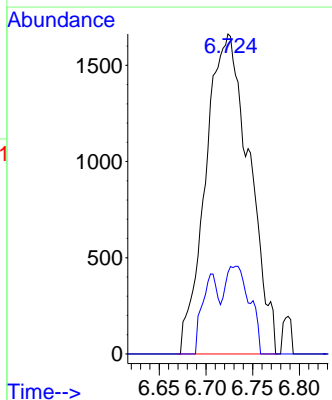
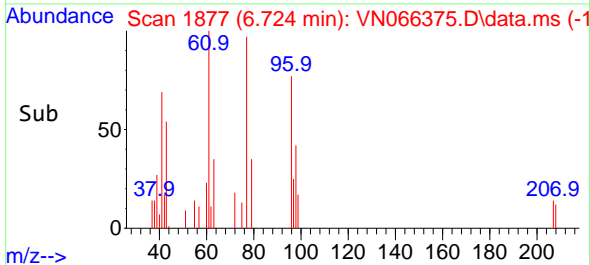
**Manual Integrations**  
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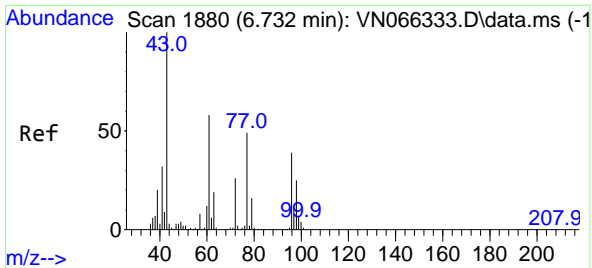


#26  
 2,2-Dichloropropane  
 Concen: 0.68 ug/l  
 RT: 6.724 min Scan# 1877  
 Delta R.T. 0.000 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37



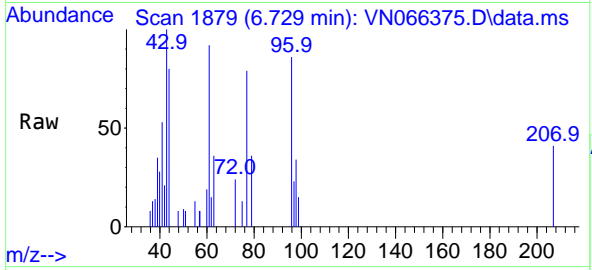
Tgt Ion: 77 Resp: 5390  
 Ion Ratio Lower Upper  
 77 100  
 97 15.6 11.6 34.7





#27  
 cis-1,2-Dichloroethene  
 Concen: 0.69 ug/l  
 RT: 6.729 min Scan# 1879  
 Delta R.T. -0.003 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

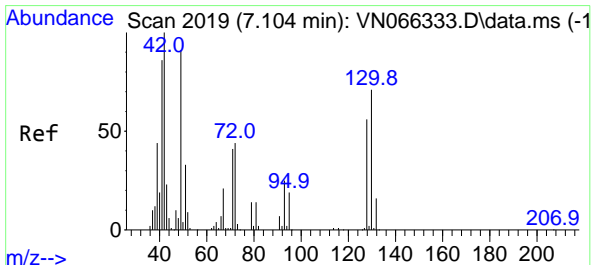
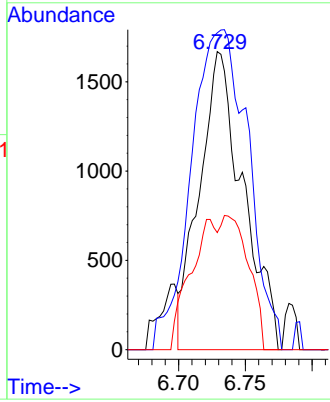
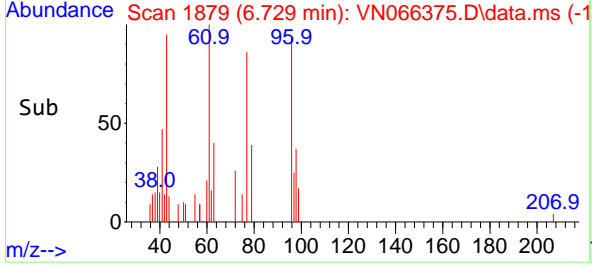
**Instrument :**  
 MSVOA\_N  
**ClientSampled :**  
 MDL-WATER-03-QT1-2021



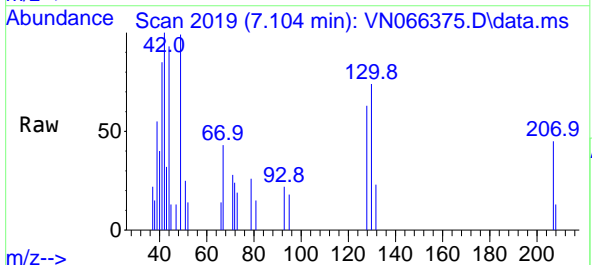
Tgt Ion: 96 Resp: 3797

Ion	Ratio	Lower	Upper
96	100		
61	139.5	0.0	296.2
98	27.3	0.0	129.2

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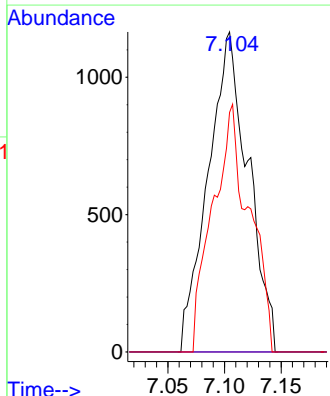
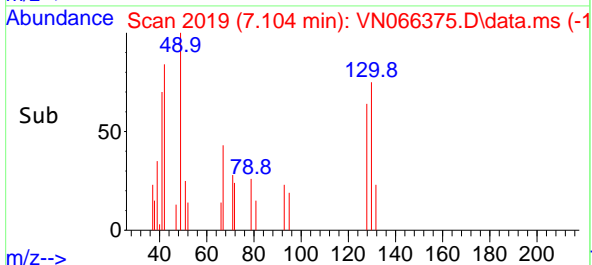


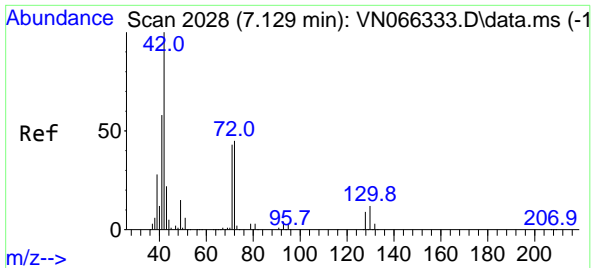
#28  
 Bromochloromethane  
 Concen: 0.64 ug/l  
 RT: 7.104 min Scan# 2019  
 Delta R.T. 0.000 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37



Tgt Ion: 49 Resp: 2863

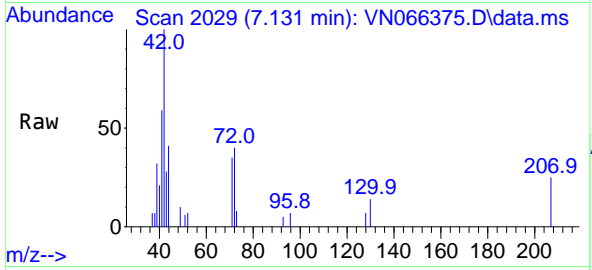
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	70.9	61.6	92.4





#29  
 Tetrahydrofuran  
 Concen: 3.90 ug/l  
 RT: 7.131 min Scan# 2029  
 Delta R.T. 0.003 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

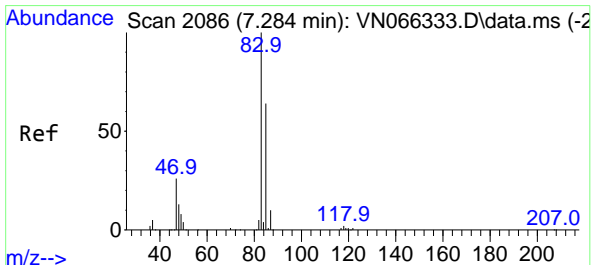
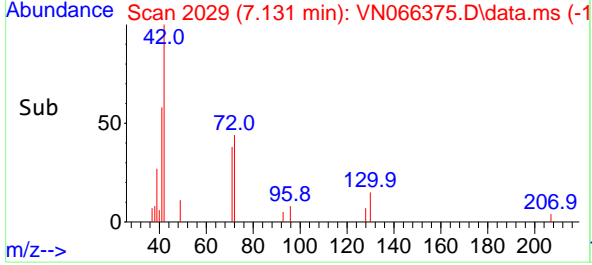
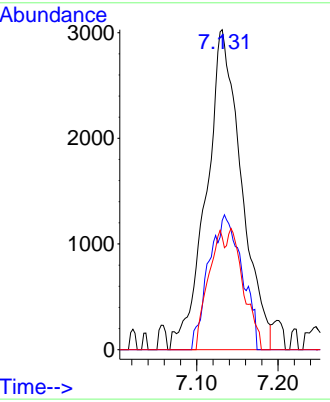
**Instrument :**  
 MSVOA\_N  
**ClientSampleId :**  
 MDL-WATER-03-QT1-2021



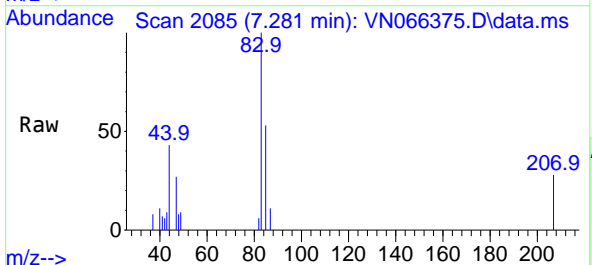
Tgt Ion: 42 Resp: 9090

Ion	Ratio	Lower	Upper
42	100		
72	39.7	35.2	52.8
71	17.2	33.1	49.7#

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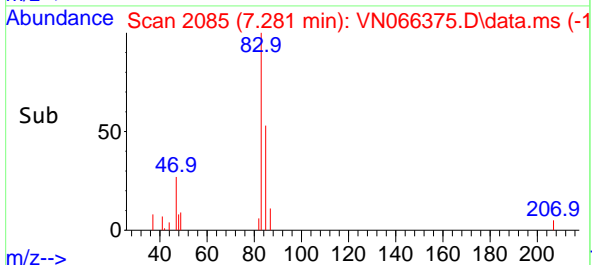
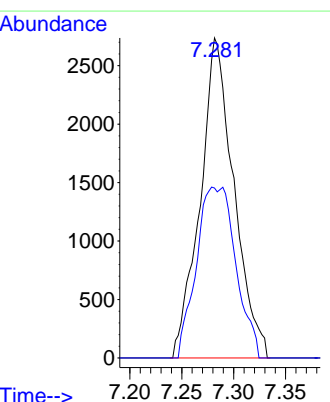


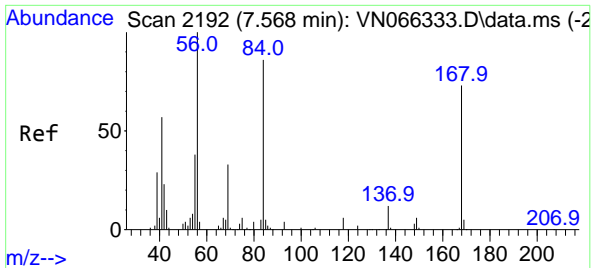
#30  
 Chloroform  
 Concen: 0.70 ug/l  
 RT: 7.281 min Scan# 2085  
 Delta R.T. -0.003 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37



Tgt Ion: 83 Resp: 6180

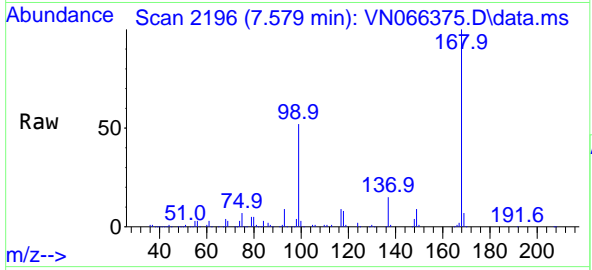
Ion	Ratio	Lower	Upper
83	100		
85	53.1	51.3	76.9





#31  
 Cyclohexane  
 Concen: 1.75 ug/l  
 RT: 7.579 min Scan# 2196  
 Delta R.T. 0.011 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

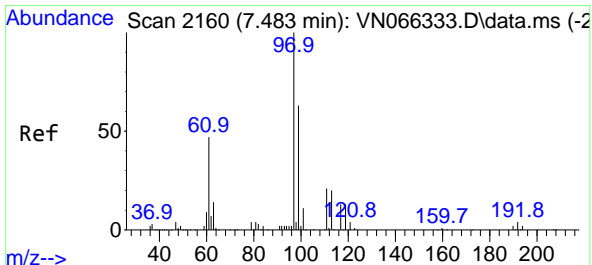
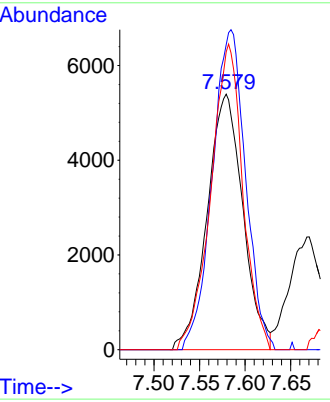
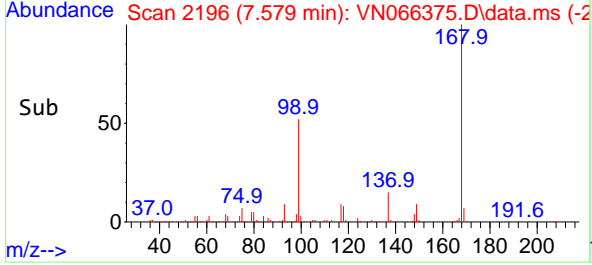
**Instrument :**  
 MSVOA\_N  
**ClientSampled :**  
 MDL-WATER-03-QT1-2021



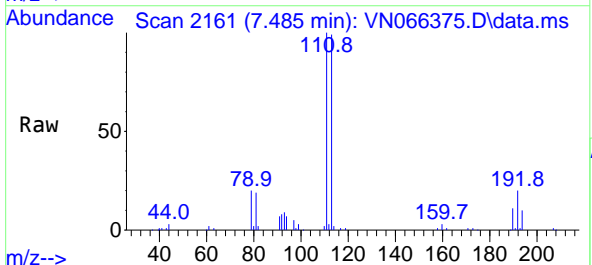
Tgt Ion: 56 Resp: 14692

Ion	Ratio	Lower	Upper
56	100		
69	119.4	26.6	40.0#
84	116.5	68.7	103.1#

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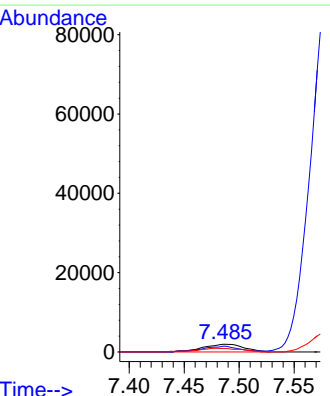
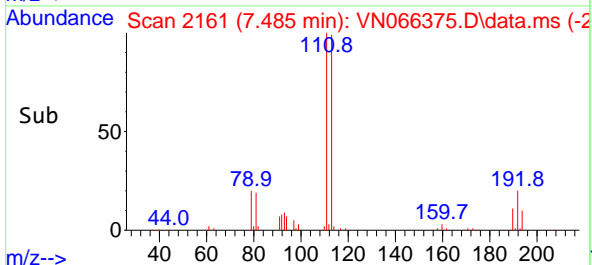


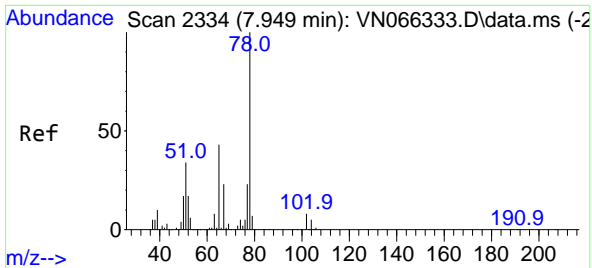
#32  
 1,1,1-Trichloroethane  
 Concen: 0.65 ug/l  
 RT: 7.485 min Scan# 2161  
 Delta R.T. 0.003 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37



Tgt Ion: 97 Resp: 5075

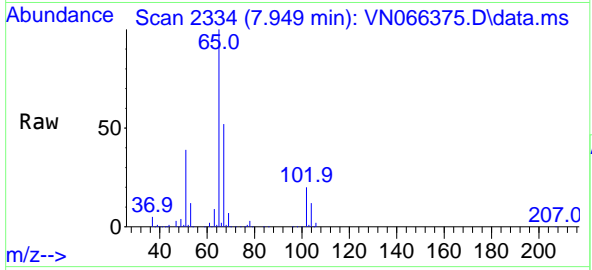
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.1	76.7#
61	50.4	36.9	55.3





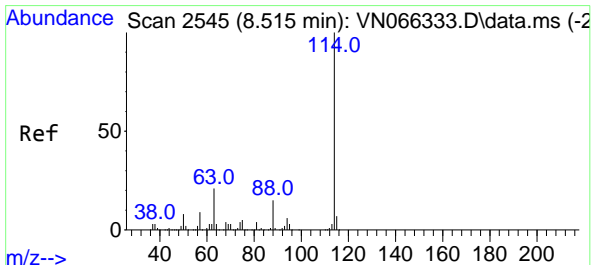
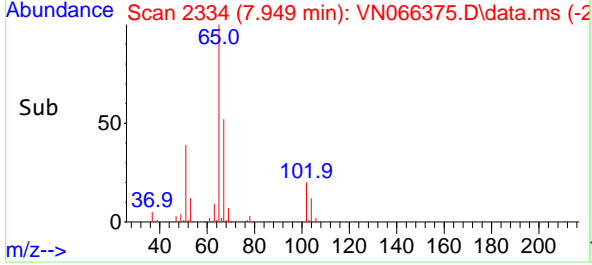
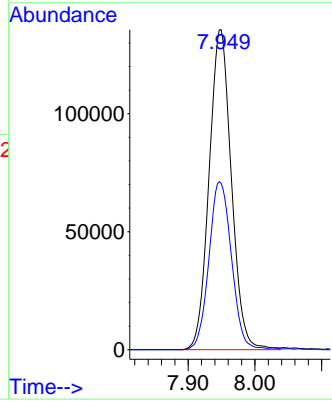
#33  
 1,2-Dichloroethane-d4  
 Concen: 51.99 ug/l  
 RT: 7.949 min Scan# 2334  
 Delta R.T. 0.000 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

**Instrument :**  
 MSVOA\_N  
**ClientSampled :**  
 MDL-WATER-03-QT1-2021

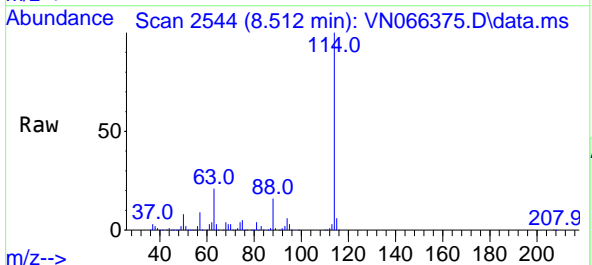


Tgt Ion: 65 Resp: 314469  
 Ion Ratio Lower Upper  
 65 100  
 67 53.0 0.0 105.2

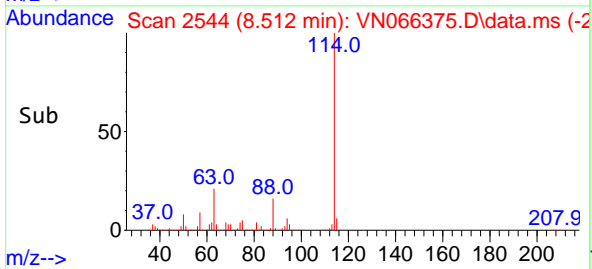
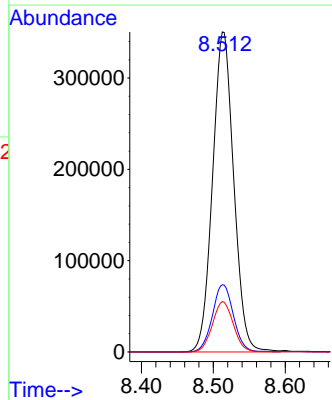
**Manual Integrations**  
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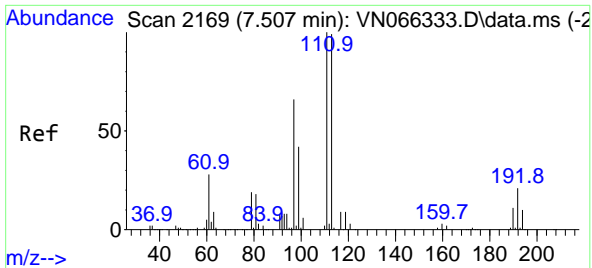


#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.512 min Scan# 2544  
 Delta R.T. -0.003 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37



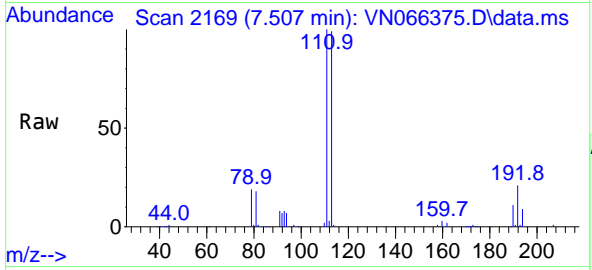
Tgt Ion: 114 Resp: 715531  
 Ion Ratio Lower Upper  
 114 100  
 63 21.0 0.0 42.0  
 88 15.7 0.0 31.0





#35  
 Dibromofluoromethane  
 Concen: 51.59 ug/l  
 RT: 7.507 min Scan# 2169  
 Delta R.T. -0.000 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

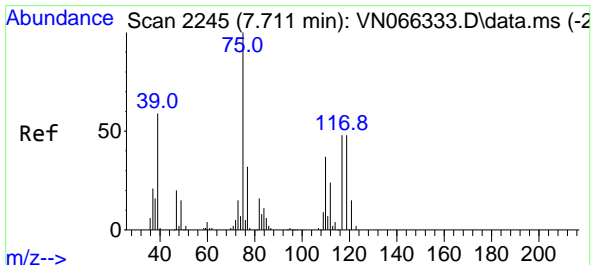
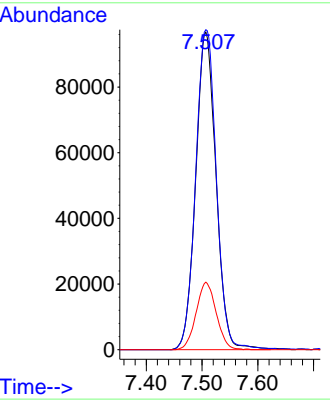
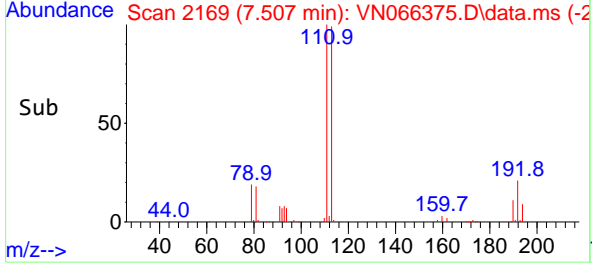
Instrument : MSVOA\_N  
 ClientSampled : MDL-WATER-03-QT1-2021



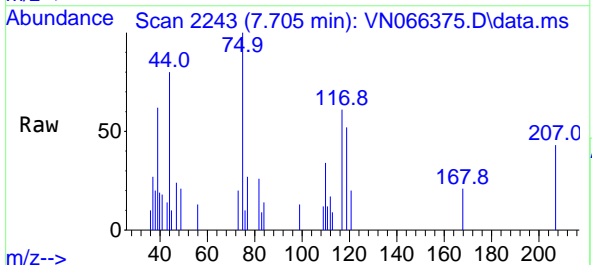
Tgt Ion:113 Resp: 244716

Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.8	122.8
192	21.0	17.1	25.7

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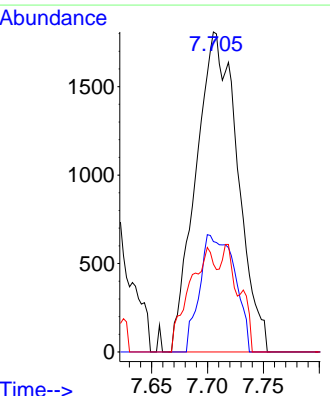
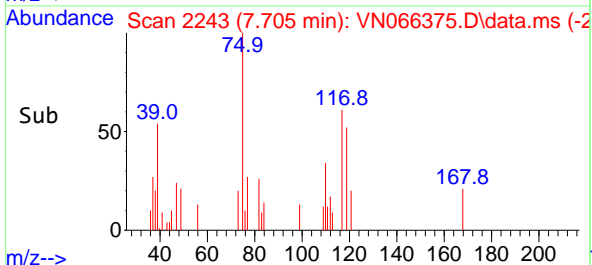


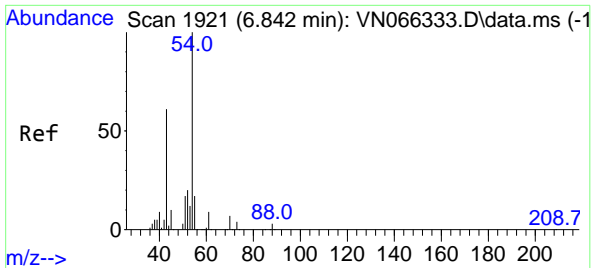
#36  
 1,1-Dichloropropene  
 Concen: 0.70 ug/l m  
 RT: 7.705 min Scan# 2243  
 Delta R.T. -0.005 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37



Tgt Ion: 75 Resp: 4708

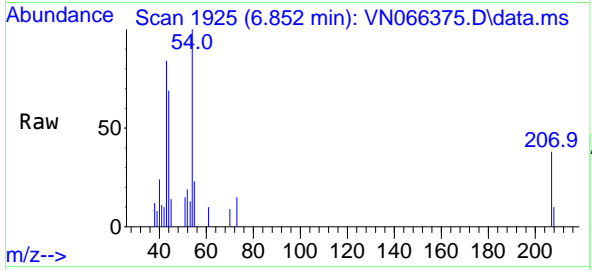
Ion	Ratio	Lower	Upper
75	100		
110	30.6	18.1	54.3
77	20.3	25.0	37.4#





#37  
 Ethyl Acetate  
 Concen: 0.77 ug/l m  
 RT: 6.852 min Scan# 1925  
 Delta R.T. 0.011 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

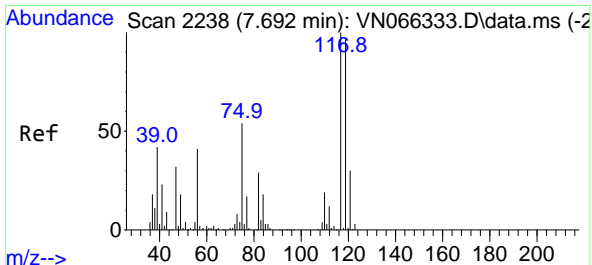
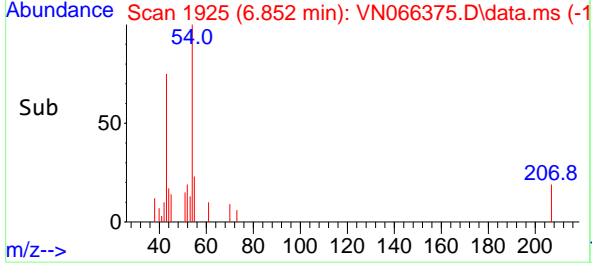
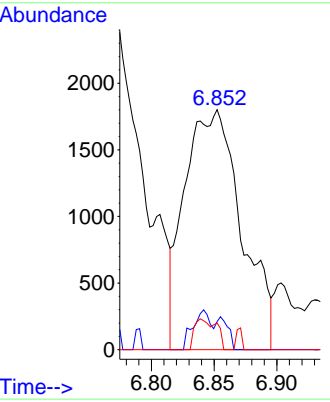
**Instrument :**  
 MSVOA\_N  
**ClientSampled :**  
 MDL-WATER-03-QT1-2021



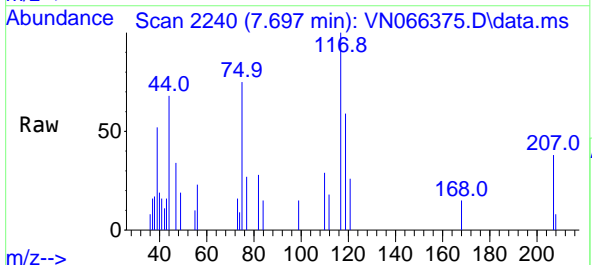
Tgt Ion: 43 Resp: 5679

Ion	Ratio	Lower	Upper
43	100		
61	5.3	11.1	16.7#
70	3.4	8.0	12.0#

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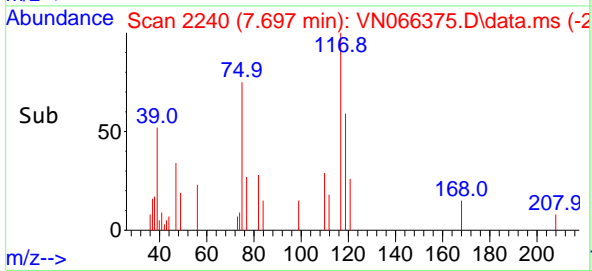
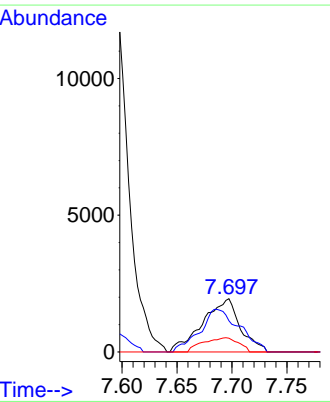


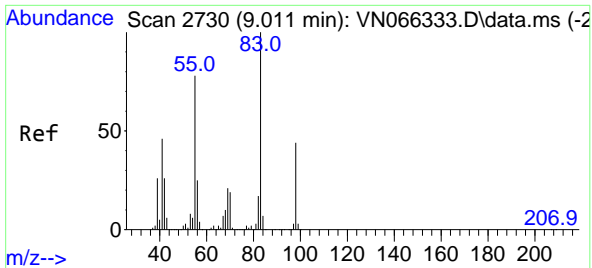
#38  
 Carbon Tetrachloride  
 Concen: 0.68 ug/l  
 RT: 7.697 min Scan# 2240  
 Delta R.T. 0.005 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37



Tgt Ion: 117 Resp: 4626

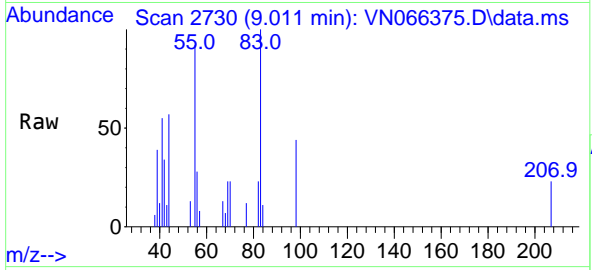
Ion	Ratio	Lower	Upper
117	100		
119	58.6	77.2	115.8#
121	25.8	24.2	36.4





#39  
 Methylcyclohexane  
 Concen: 0.60 ug/l  
 RT: 9.011 min Scan# 2730  
 Delta R.T. 0.000 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

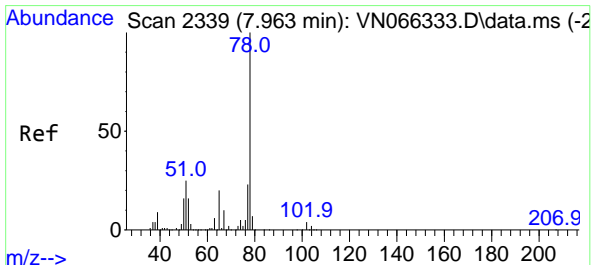
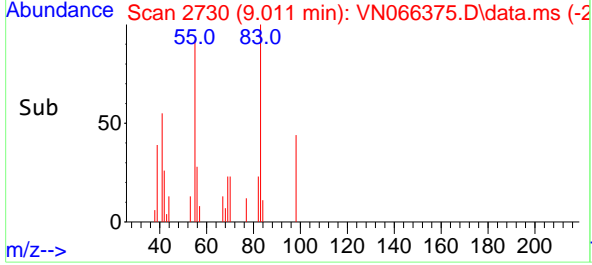
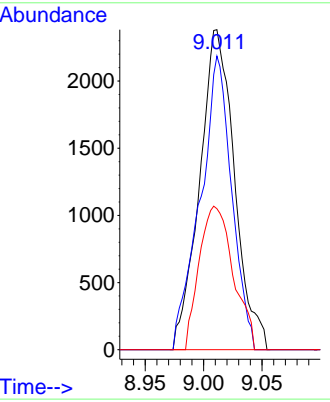
**Instrument :**  
 MSVOA\_N  
**ClientSampled :**  
 MDL-WATER-03-QT1-2021



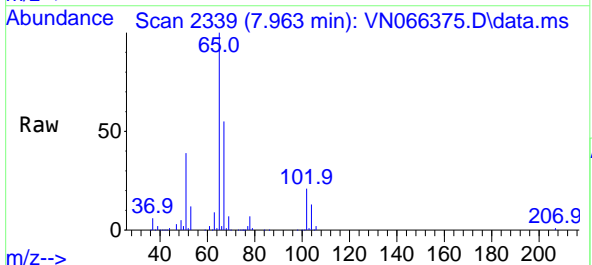
Tgt Ion: 83 Resp: 4951

Ion	Ratio	Lower	Upper
83	100		
55	91.7	62.3	93.5
98	44.0	35.6	53.4

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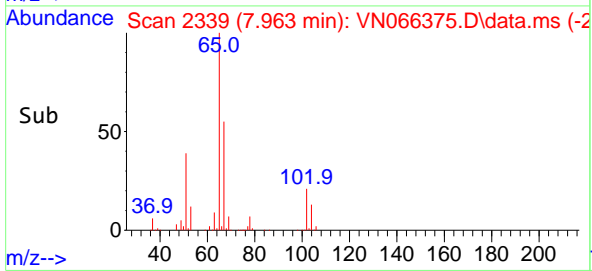
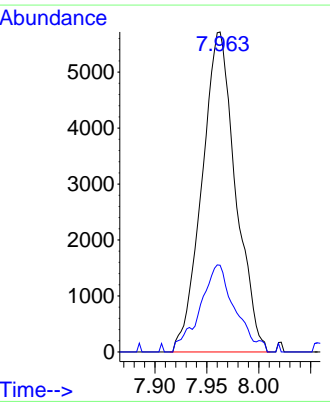


#40  
 Benzene  
 Concen: 0.64 ug/l  
 RT: 7.963 min Scan# 2339  
 Delta R.T. 0.000 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

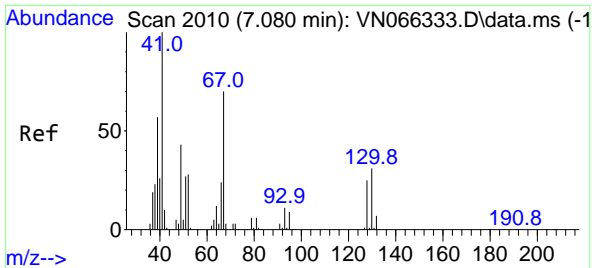


Tgt Ion: 78 Resp: 12899

Ion	Ratio	Lower	Upper
78	100		
77	27.1	18.7	28.1

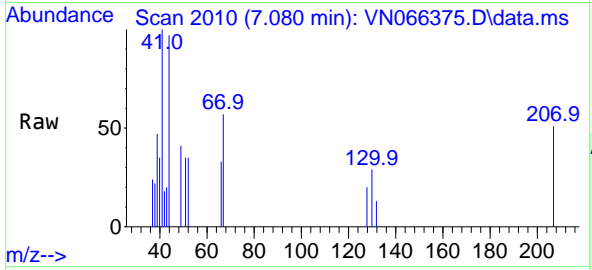






#41  
 Methacrylonitrile  
 Concen: 0.61 ug/l  
 RT: 7.080 min Scan# 2010  
 Delta R.T. 0.000 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

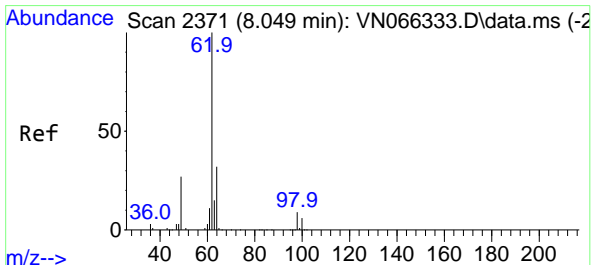
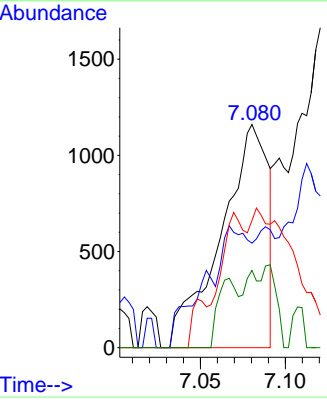
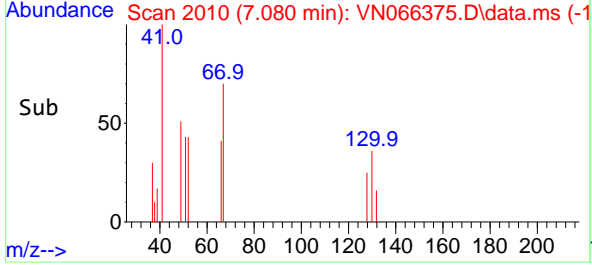
**Instrument :**  
 MSVOA\_N  
**ClientSampled :**  
 MDL-WATER-03-QT1-2021



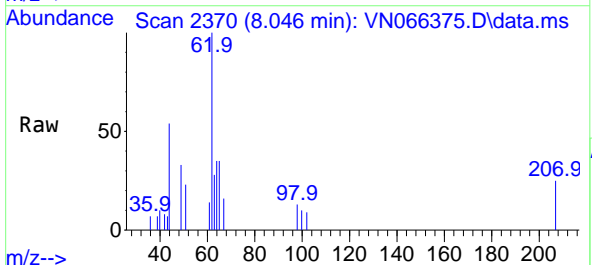
Tgt Ion: 41 Resp: 2225

Ion	Ratio	Lower	Upper
41	100		
39	0.0	51.7	77.5#
67	0.0	68.5	102.7#
52	3.0	27.8	41.6#

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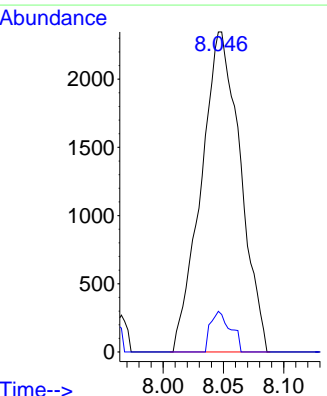
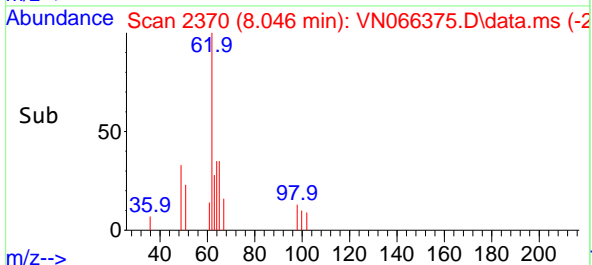


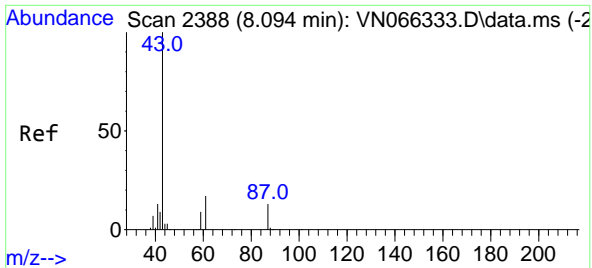
#42  
 1,2-Dichloroethane  
 Concen: 0.73 ug/l  
 RT: 8.046 min Scan# 2370  
 Delta R.T. -0.003 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37



Tgt Ion: 62 Resp: 5315

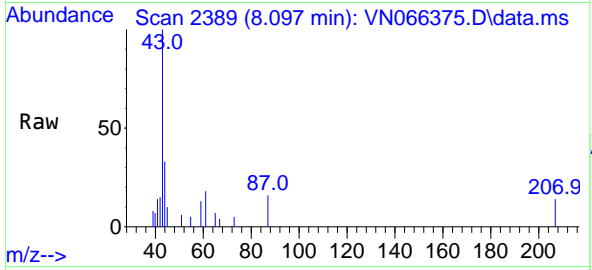
Ion	Ratio	Lower	Upper
62	100		
98	6.4	0.0	17.6





#43  
 Isopropyl Acetate  
 Concen: 0.71 ug/l  
 RT: 8.097 min Scan# 2389  
 Delta R.T. 0.003 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

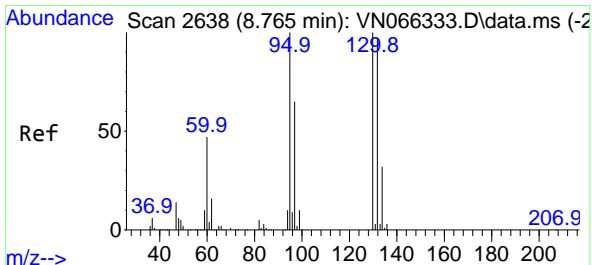
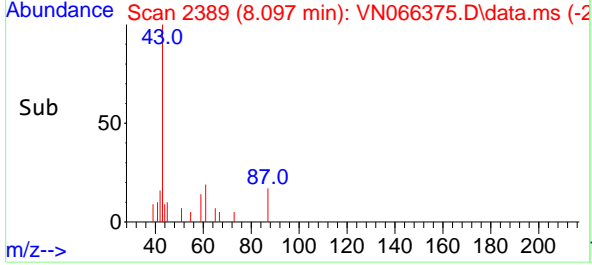
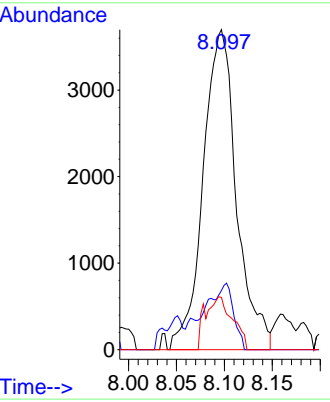
Instrument : MSVOA\_N  
 ClientSampled : MDL-WATER-03-QT1-2021



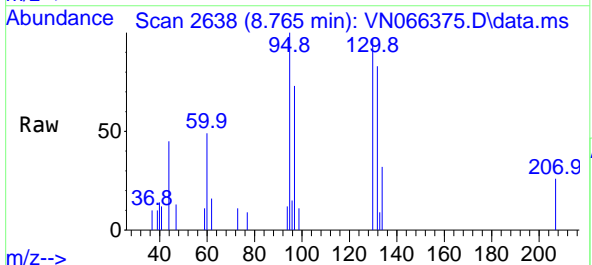
Tgt Ion: 43 Resp: 8920

Ion	Ratio	Lower	Upper
43	100		
61	15.7	15.5	23.3
87	10.4	10.5	15.7#

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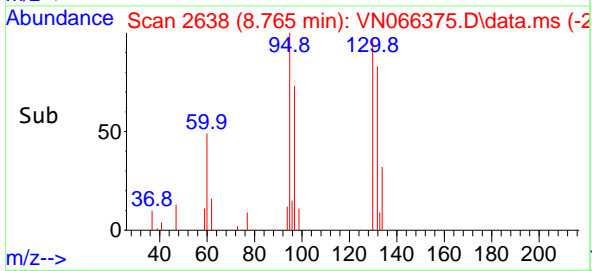
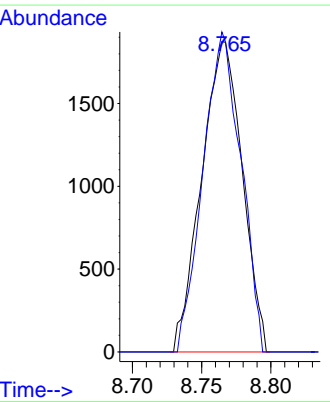


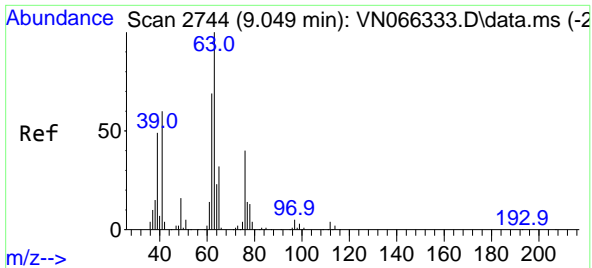
#44  
 Trichloroethene  
 Concen: 0.72 ug/l  
 RT: 8.765 min Scan# 2638  
 Delta R.T. 0.000 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37



Tgt Ion:130 Resp: 3831

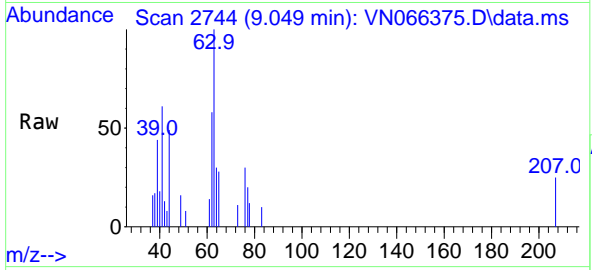
Ion	Ratio	Lower	Upper
130	100		
95	103.1	0.0	200.6





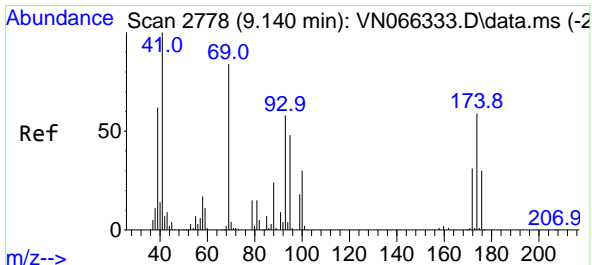
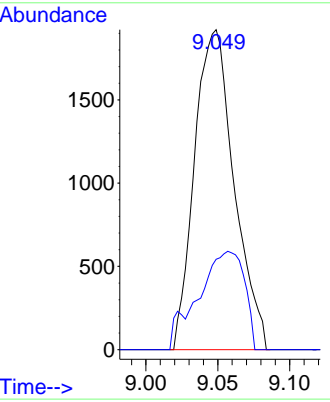
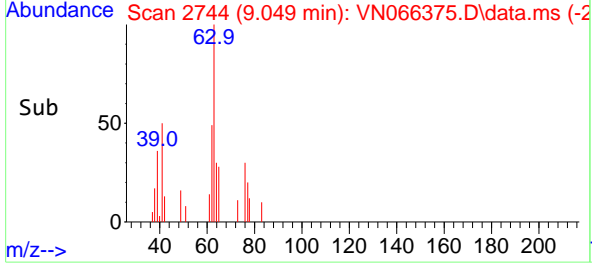
#45  
 1,2-Dichloropropane  
 Concen: 0.68 ug/l  
 RT: 9.049 min Scan# 2744  
 Delta R.T. 0.000 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

**Instrument :**  
 MSVOA\_N  
**ClientSampled :**  
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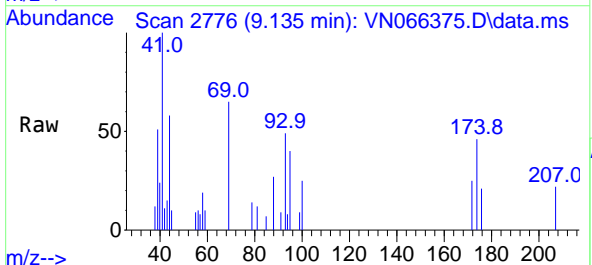


Tgt Ion: 63 Resp: 3682  
 Ion Ratio Lower Upper  
 63 100  
 65 28.3 25.5 38.3

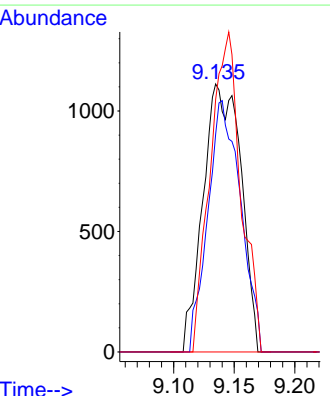
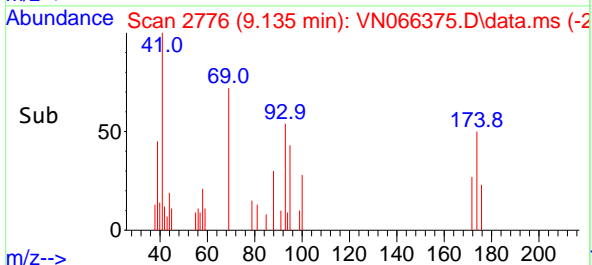
**Manual Integrations**  
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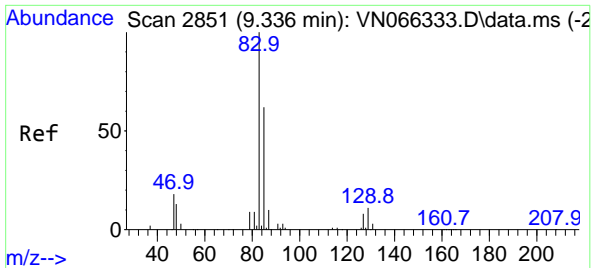


#46  
 Dibromomethane  
 Concen: 0.68 ug/l m  
 RT: 9.135 min Scan# 2776  
 Delta R.T. -0.005 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37



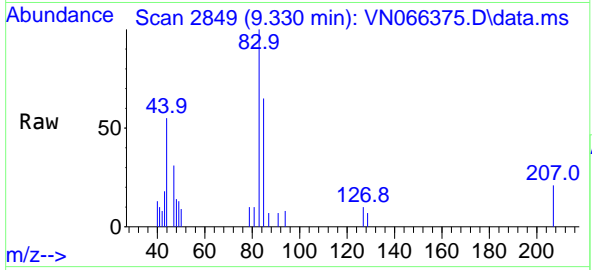
Tgt Ion: 93 Resp: 2416  
 Ion Ratio Lower Upper  
 93 100  
 95 81.2 66.8 100.2  
 174 96.5 83.2 124.8





#47  
 Bromodichloromethane  
 Concen: 0.63 ug/l  
 RT: 9.330 min Scan# 2849  
 Delta R.T. -0.005 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

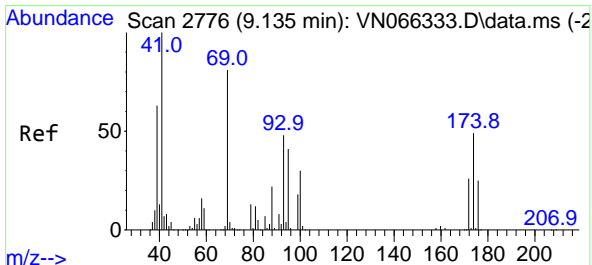
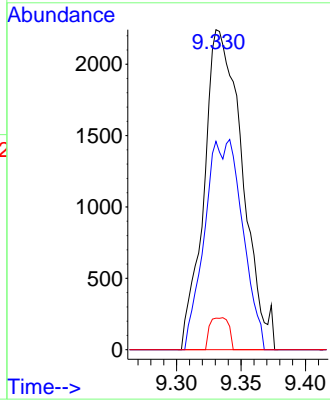
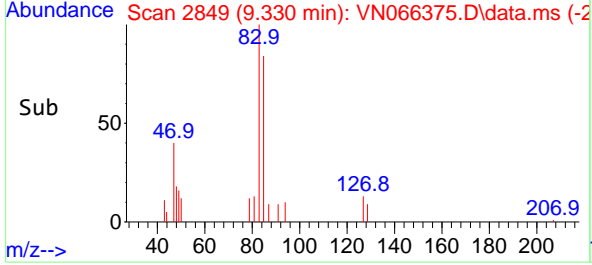
Instrument : MSVOA\_N  
 Client Sampled : MDL-WATER-03-QT1-2021



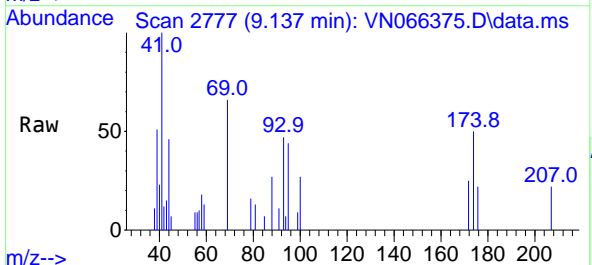
Tgt Ion: 83 Resp: 4638

Ion	Ratio	Lower	Upper
83	100		
85	65.1	49.4	74.2
127	9.9	6.7	10.1

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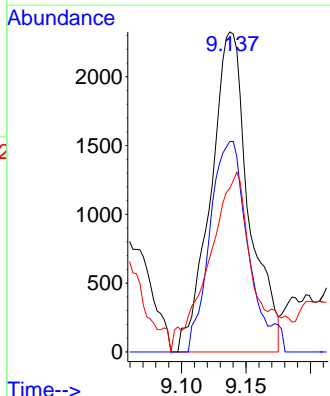
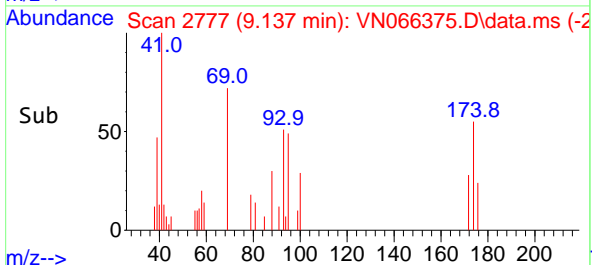


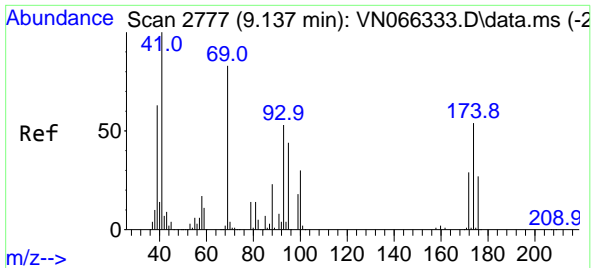
#48  
 Methyl methacrylate  
 Concen: 0.80 ug/l  
 RT: 9.137 min Scan# 2777  
 Delta R.T. 0.003 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37



Tgt Ion: 41 Resp: 4796

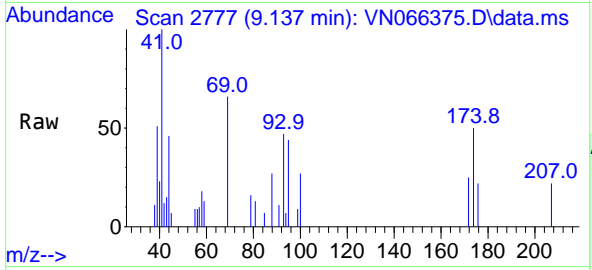
Ion	Ratio	Lower	Upper
41	100		
69	64.0	66.2	99.4#
39	66.1	51.5	77.3





#49  
 1,4-Dioxane  
 Concen: 13.06 ug/l  
 RT: 9.137 min Scan# 2777  
 Delta R.T. 0.000 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

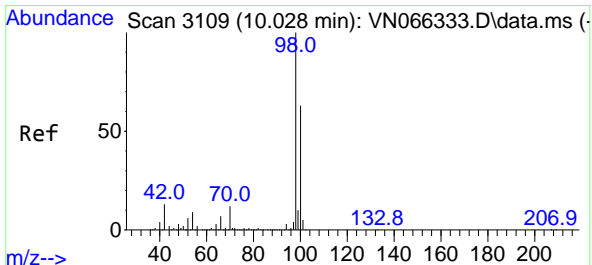
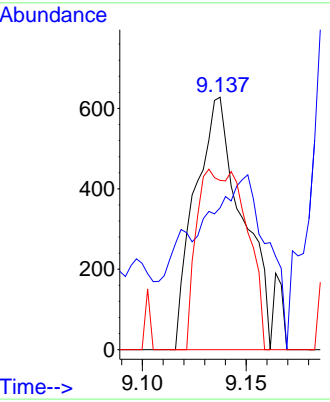
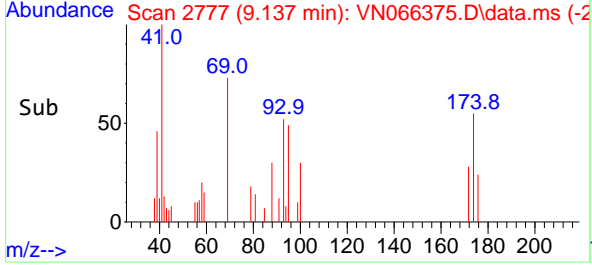
**Instrument :**  
 MSVOA\_N  
**ClientSampled :**  
 MDL-WATER-03-QT1-2021



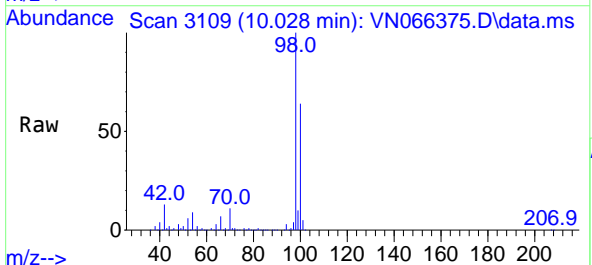
Tgt Ion: 88 Resp: 988

Ion	Ratio	Lower	Upper
88	100		
43	0.0	28.2	42.4#
58	44.0	56.6	84.8#

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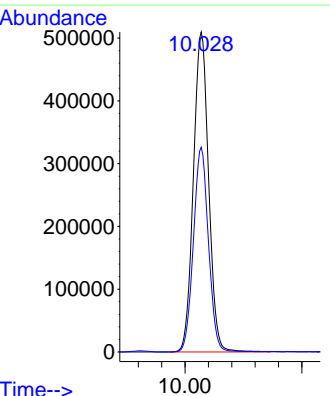
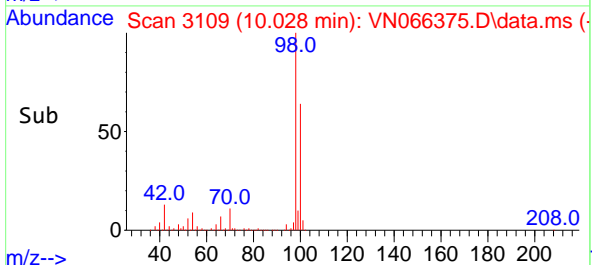


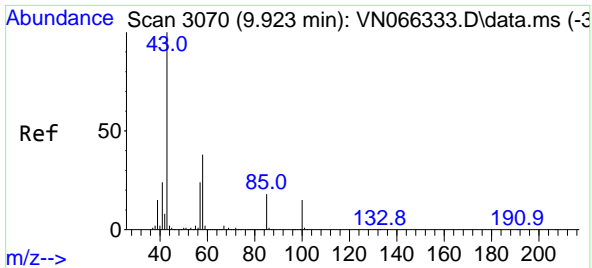
#50  
 Toluene-d8  
 Concen: 51.30 ug/l  
 RT: 10.028 min Scan# 3109  
 Delta R.T. -0.000 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37



Tgt Ion: 98 Resp: 922908

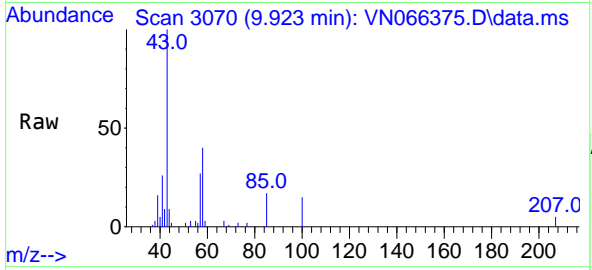
Ion	Ratio	Lower	Upper
98	100		
100	63.2	50.5	75.7





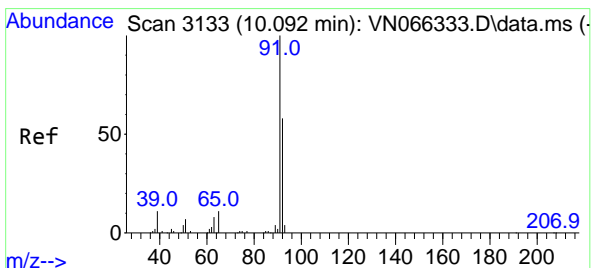
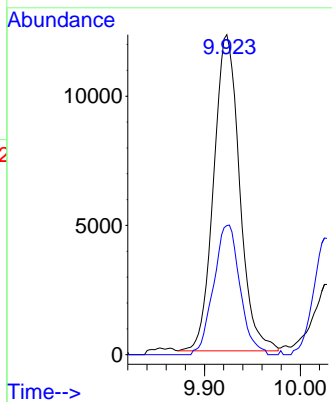
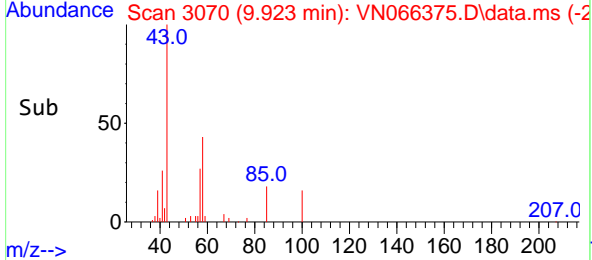
#51  
 4-Methyl-2-Pentanone  
 Concen: 3.11 ug/l  
 RT: 9.923 min Scan# 3070  
 Delta R.T. 0.000 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

**Instrument :**  
 MSVOA\_N  
**ClientSampled :**  
 MDL-WATER-03-QT1-2021

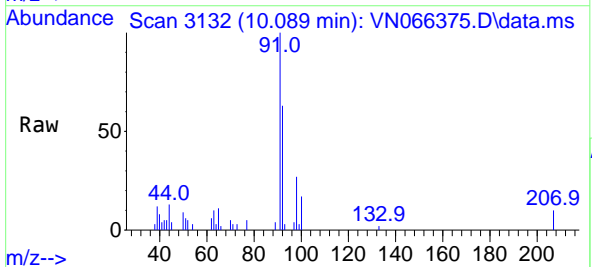


Tgt Ion: 43 Resp: 22953  
 Ion Ratio Lower Upper  
 43 100  
 58 41.6 30.8 46.2

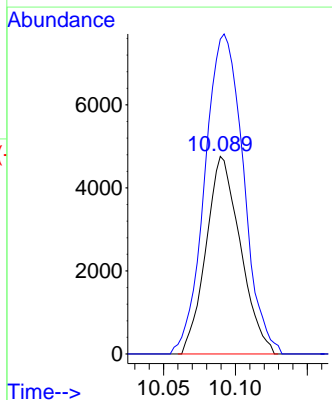
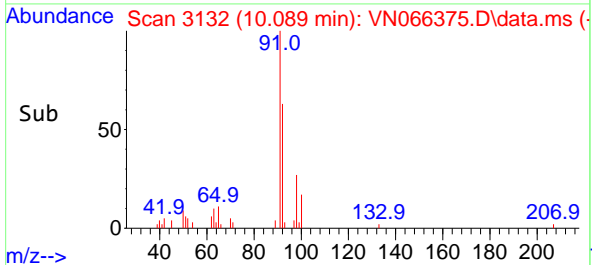
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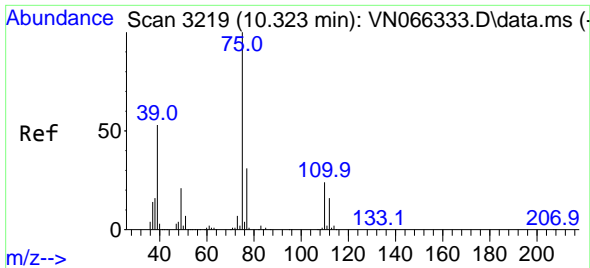


#52  
 Toluene  
 Concen: 0.64 ug/l  
 RT: 10.089 min Scan# 3132  
 Delta R.T. -0.003 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37



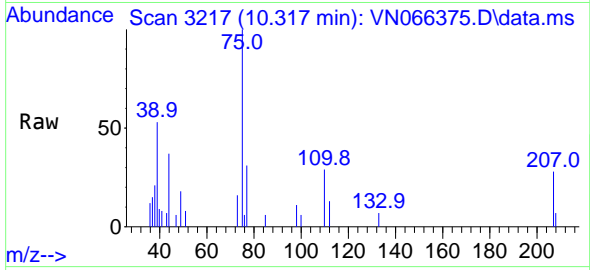
Tgt Ion: 92 Resp: 7921  
 Ion Ratio Lower Upper  
 92 100  
 91 181.4 138.8 208.2





#53  
 t-1,3-Dichloropropene  
 Concen: 0.61 ug/l  
 RT: 10.317 min Scan# 3217  
 Delta R.T. -0.005 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

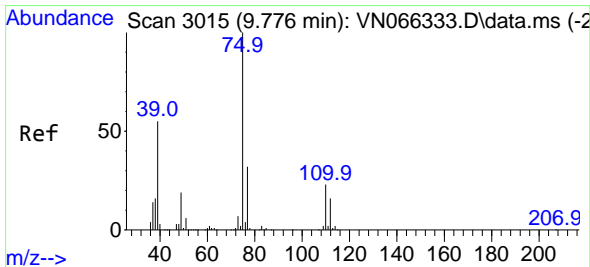
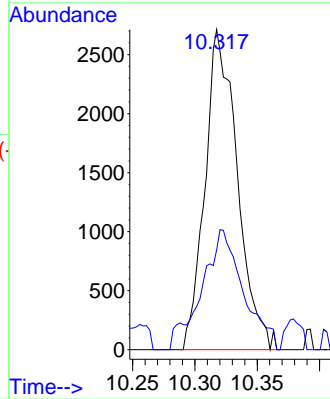
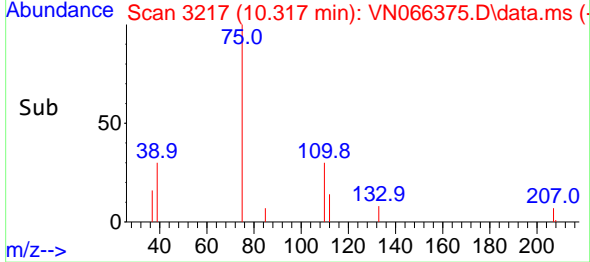
Instrument : MSVOA\_N  
 Client Sampled : MDL-WATER-03-QT1-2021



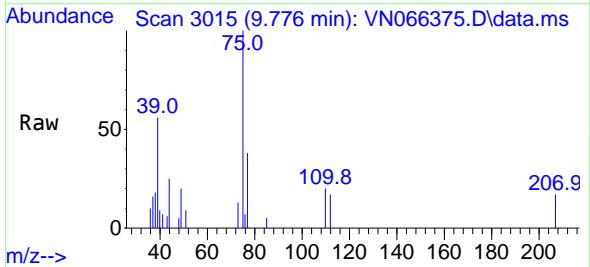
Tgt Ion: 75 Resp: 4886  
 Ion Ratio Lower Upper  
 75 100  
 77 31.3 25.0 37.6

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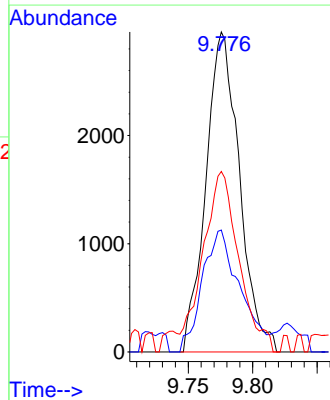
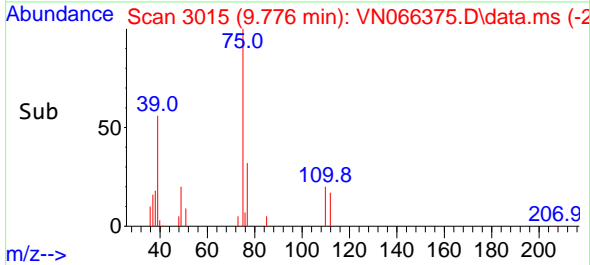
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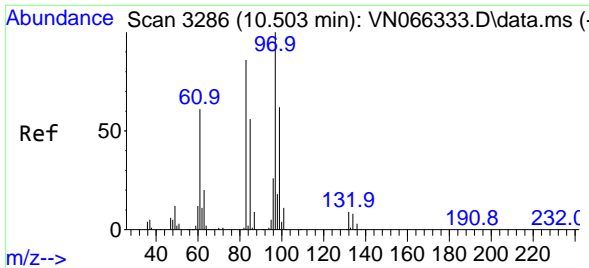


#54  
 cis-1,3-Dichloropropene  
 Concen: 0.63 ug/l  
 RT: 9.776 min Scan# 3015  
 Delta R.T. 0.000 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37



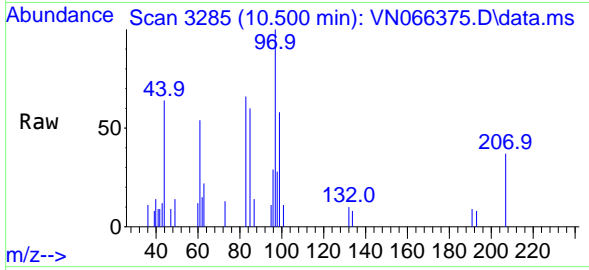
Tgt Ion: 75 Resp: 5358  
 Ion Ratio Lower Upper  
 75 100  
 77 38.1 25.4 38.2  
 39 56.4 44.2 66.4





#55  
 1,1,2-Trichloroethane  
 Concen: 0.68 ug/l  
 RT: 10.500 min Scan# 3285  
 Delta R.T. -0.003 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MDL-WATER-03-QT1-2021

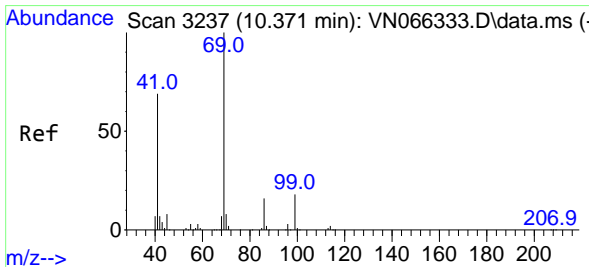
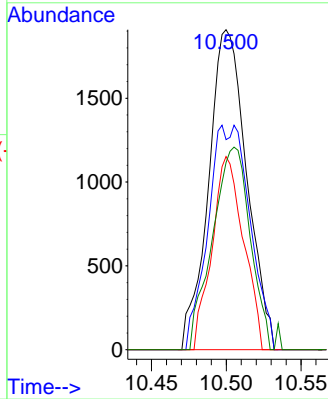
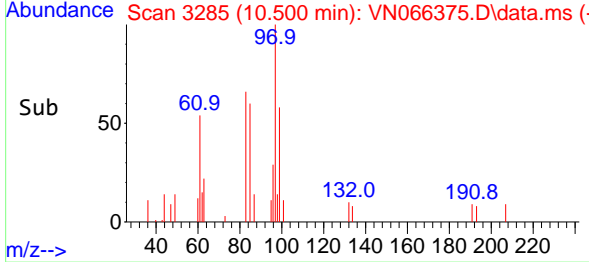


Tgt Ion: 97 Resp: 3401

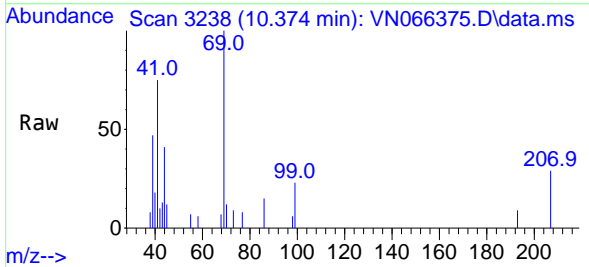
Ion	Ratio	Lower	Upper
97	100		
83	65.6	68.9	103.3#
85	60.3	45.1	67.7
99	58.5	49.9	74.9

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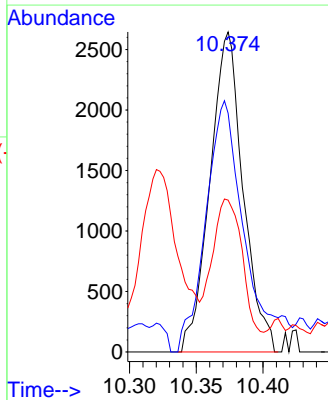
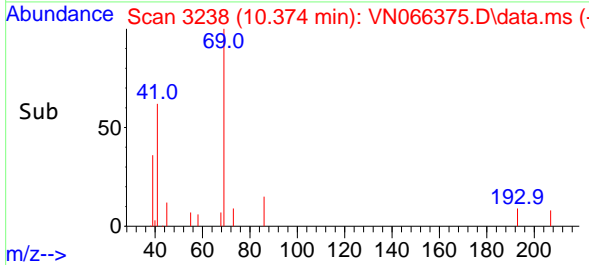


#56  
 Ethyl methacrylate  
 Concen: 0.59 ug/l  
 RT: 10.374 min Scan# 3238  
 Delta R.T. 0.003 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

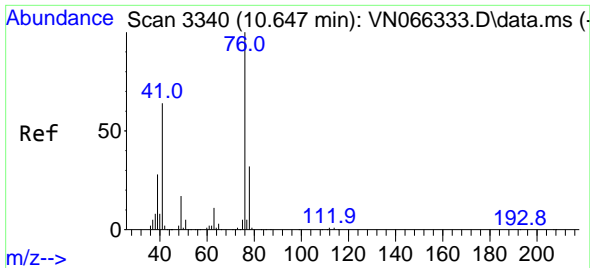


Tgt Ion: 69 Resp: 4555

Ion	Ratio	Lower	Upper
69	100		
41	92.9	55.3	82.9#
39	37.7	33.8	50.6

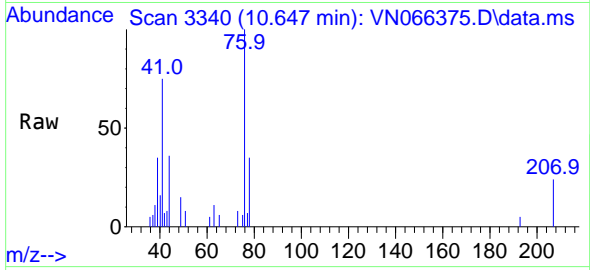






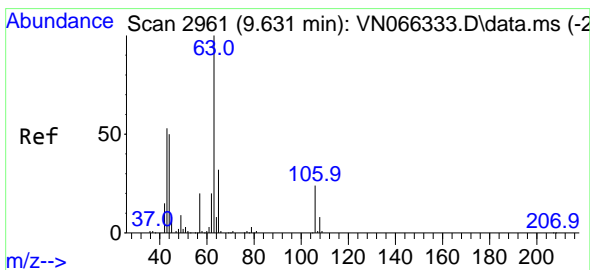
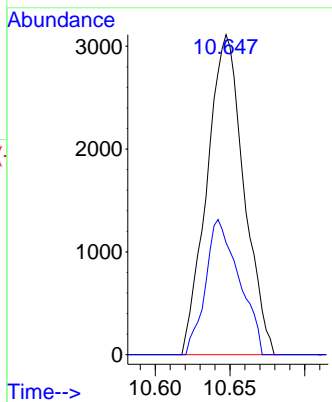
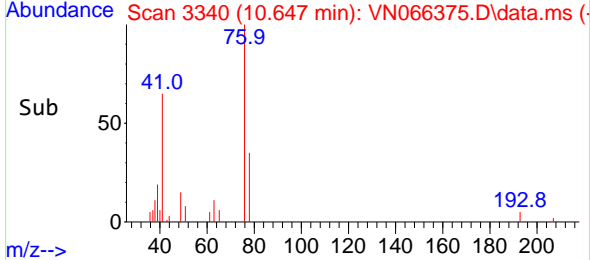
#57  
 1,3-Dichloropropane  
 Concen: 0.64 ug/l  
 RT: 10.647 min Scan# 3340  
 Delta R.T. 0.000 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

**Instrument :**  
 MSVOA\_N  
**ClientSampled :**  
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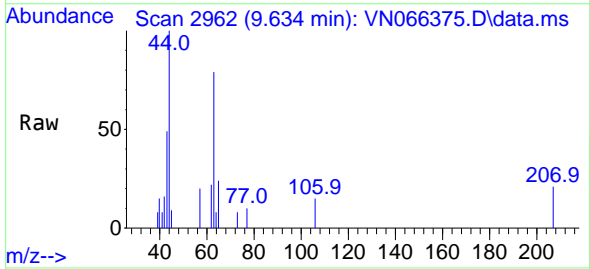


Tgt Ion: 76 Resp: 5338  
 Ion Ratio Lower Upper  
 76 100  
 78 38.6 25.9 38.9

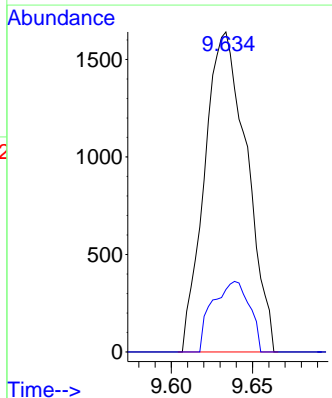
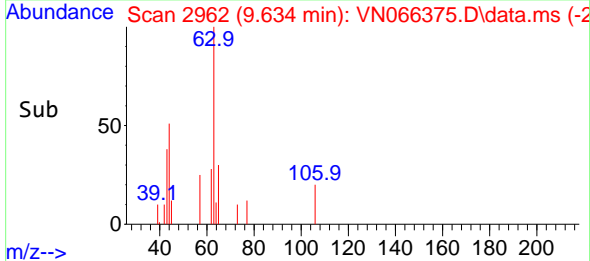
**Manual Integrations**  
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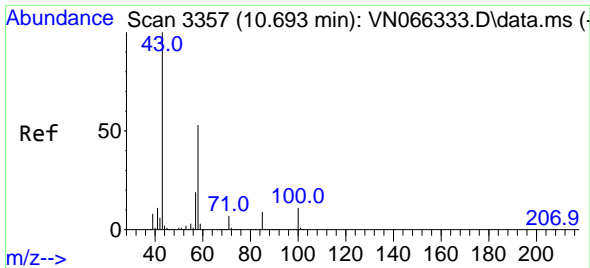


#58  
 2-Chloroethyl Vinyl ether  
 Concen: 4.29 ug/l  
 RT: 9.634 min Scan# 2962  
 Delta R.T. 0.003 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37



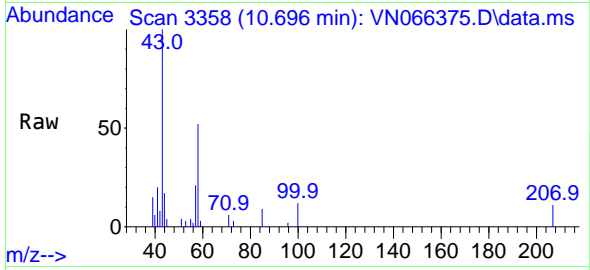
Tgt Ion: 63 Resp: 2965  
 Ion Ratio Lower Upper  
 63 100  
 106 19.2 21.0 31.4#





#59  
 2-Hexanone  
 Concen: 2.59 ug/l  
 RT: 10.696 min Scan# 3358  
 Delta R.T. 0.003 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

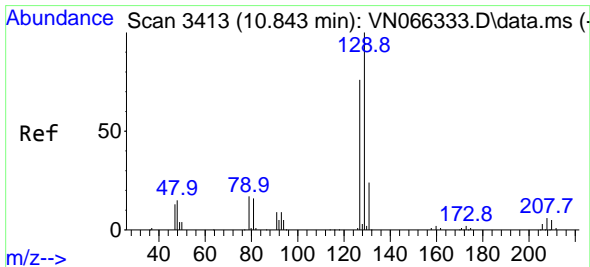
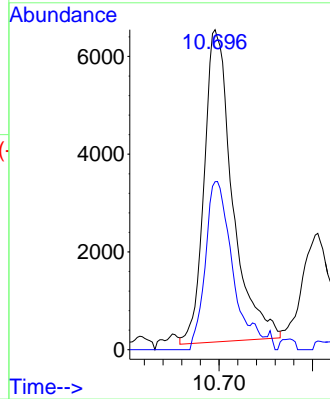
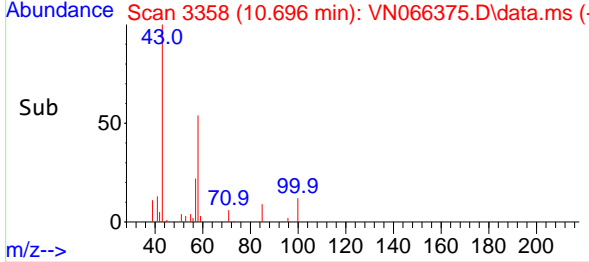
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MDL-WATER-03-QT1-2021



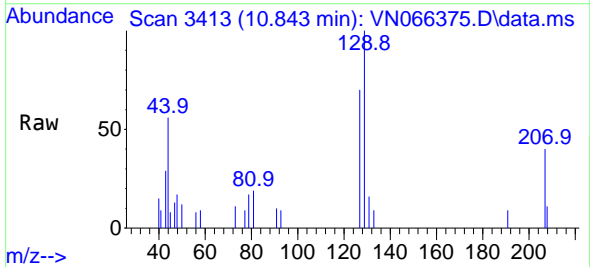
Tgt Ion: 43 Resp: 13424  
 Ion Ratio Lower Upper  
 43 100  
 58 49.3 26.6 79.8

Manual Integrations  
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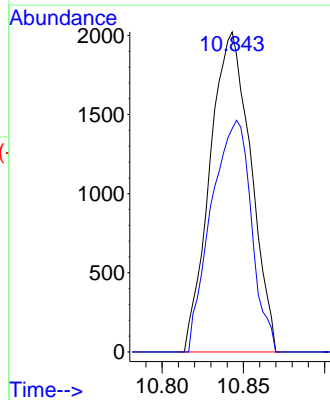
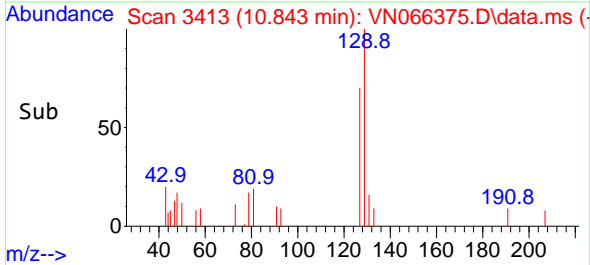
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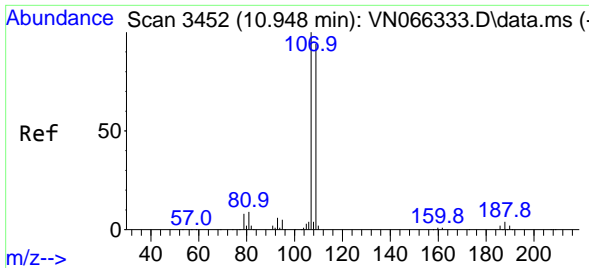


#60  
 Dibromochloromethane  
 Concen: 0.63 ug/l  
 RT: 10.843 min Scan# 3413  
 Delta R.T. 0.000 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37



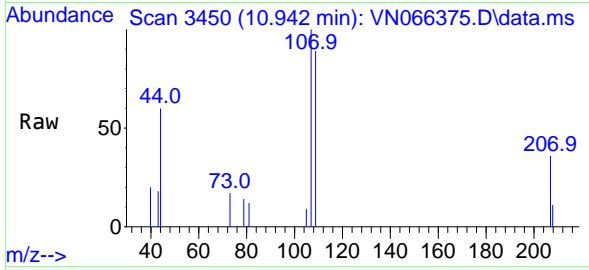
Tgt Ion: 129 Resp: 3531  
 Ion Ratio Lower Upper  
 129 100  
 127 71.3 38.5 115.5





#61  
 1,2-Dibromoethane  
 Concen: 0.64 ug/l  
 RT: 10.942 min Scan# 3450  
 Delta R.T. -0.005 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

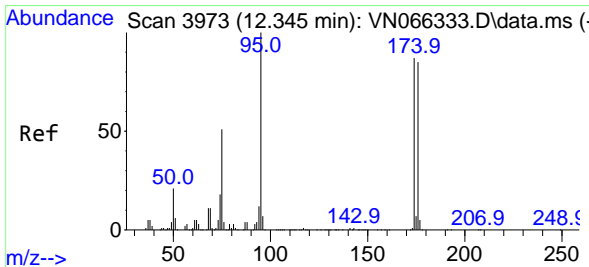
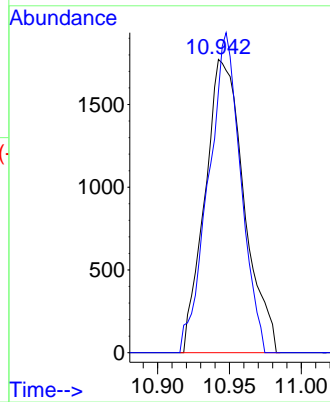
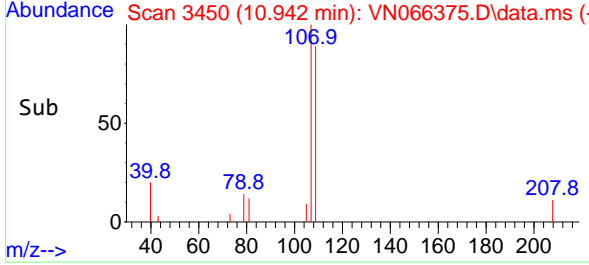
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 MDL-WATER-03-QT1-2021



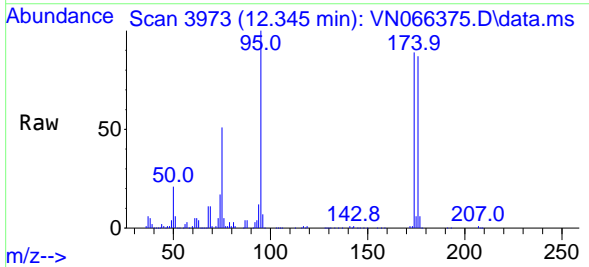
Tgt Ion:107 Resp: 3345  
 Ion Ratio Lower Upper  
 107 100  
 109 90.4 75.4 113.2

Manual Integrations  
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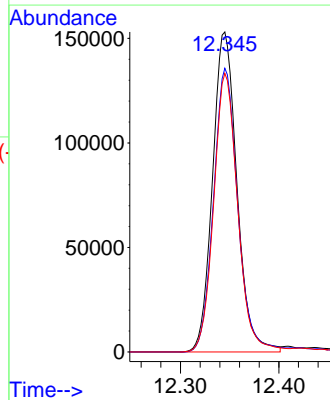
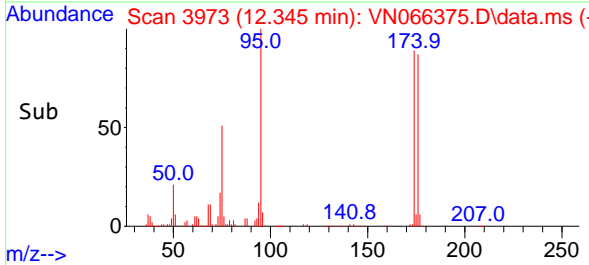
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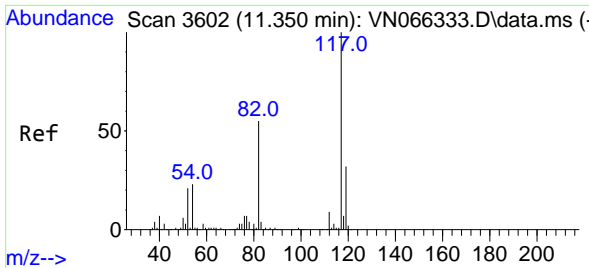


#62  
 4-Bromofluorobenzene  
 Concen: 42.27 ug/l  
 RT: 12.345 min Scan# 3973  
 Delta R.T. 0.000 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37



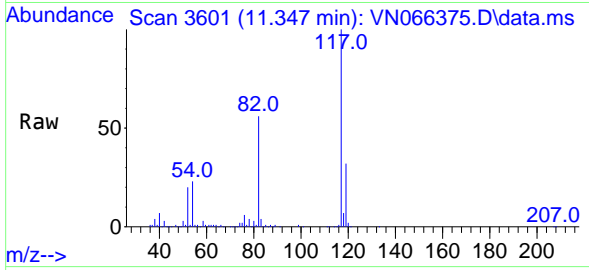
Tgt Ion: 95 Resp: 264184  
 Ion Ratio Lower Upper  
 95 100  
 174 88.1 0.0 172.2  
 176 85.8 0.0 167.8





#63  
 Chlorobenzene-d5  
 Concen: 50.00 ug/l  
 RT: 11.347 min Scan# 3601  
 Delta R.T. -0.003 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

Instrument : MSVOA\_N  
 Client Sampled : MDL-WATER-03-QT1-2021

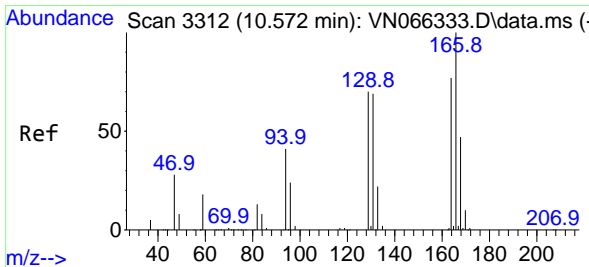
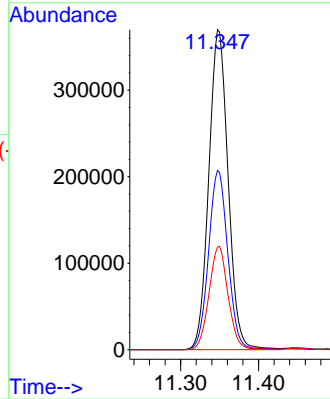
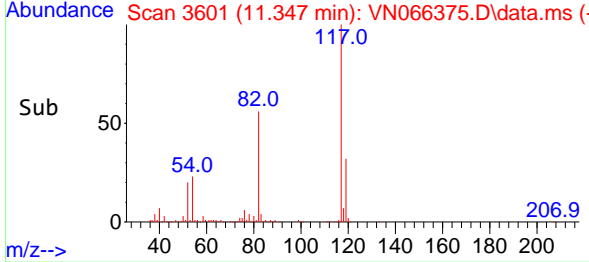


Tgt Ion: 117 Resp: 637444

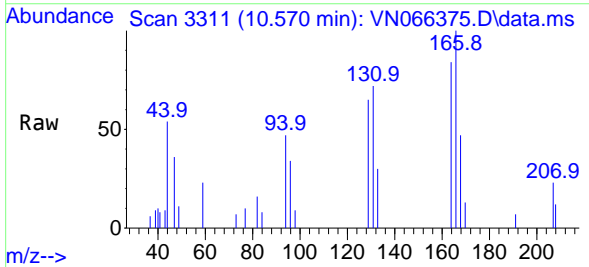
Ion	Ratio	Lower	Upper
117	100		
82	56.0	44.2	66.4
119	32.1	25.8	38.6

Manual Integrations  
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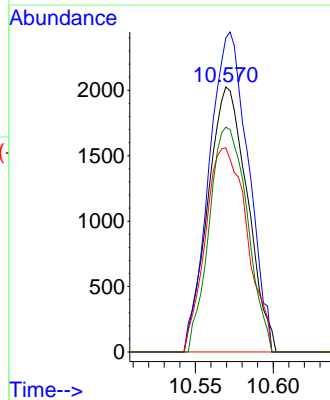
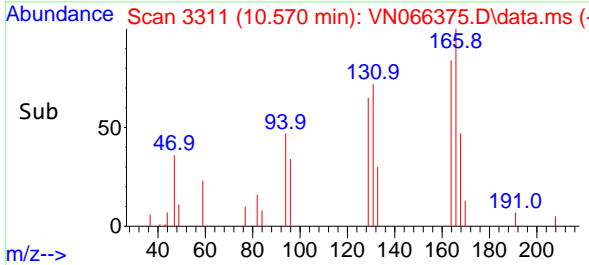


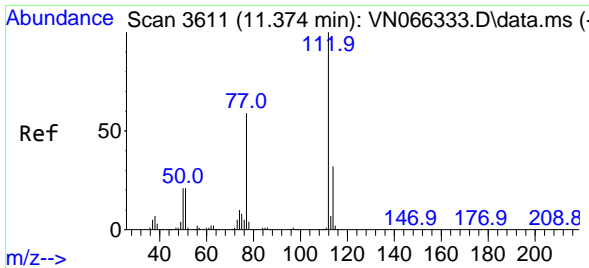
#64  
 Tetrachloroethene  
 Concen: 0.66 ug/l  
 RT: 10.570 min Scan# 3311  
 Delta R.T. -0.003 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37



Tgt Ion: 164 Resp: 3582

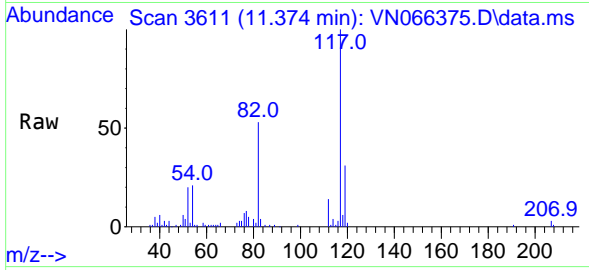
Ion	Ratio	Lower	Upper
164	100		
166	118.5	103.3	154.9
129	77.1	72.5	108.7
131	84.8	71.1	106.7





#65  
 Chlorobenzene  
 Concen: 0.65 ug/l  
 RT: 11.374 min Scan# 3611  
 Delta R.T. 0.000 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

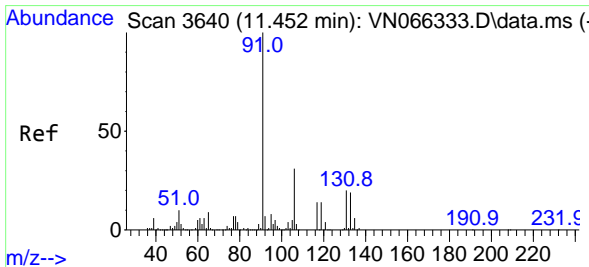
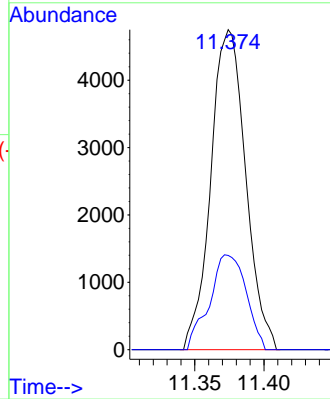
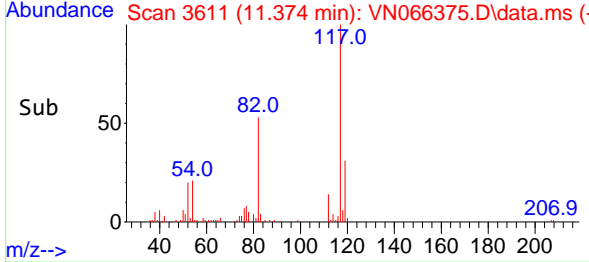
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MDL-WATER-03-QT1-2021



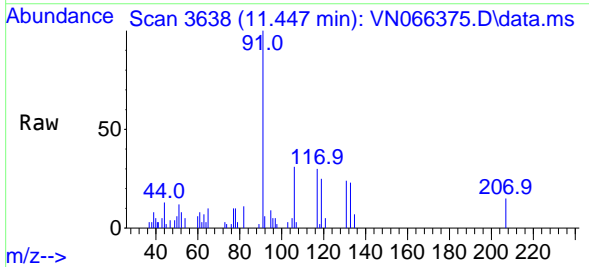
Tgt Ion:112 Resp: 8318  
 Ion Ratio Lower Upper  
 112 100  
 114 29.4 25.7 38.5

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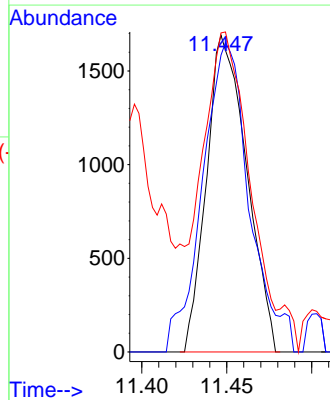
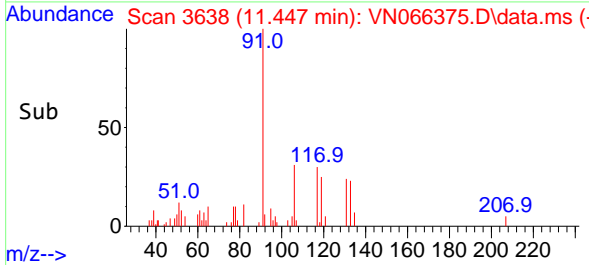
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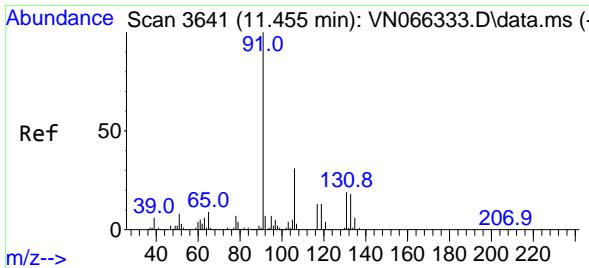


#66  
 1,1,1,2-Tetrachloroethane  
 Concen: 0.57 ug/l  
 RT: 11.447 min Scan# 3638  
 Delta R.T. -0.005 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37



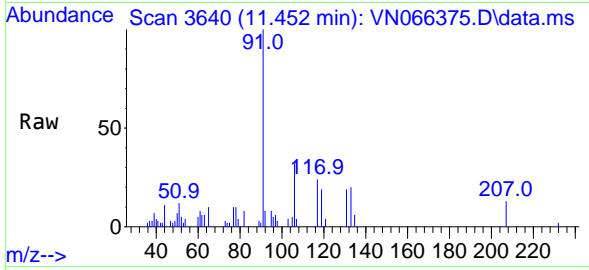
Tgt Ion:131 Resp: 2776  
 Ion Ratio Lower Upper  
 131 100  
 133 114.2 47.6 142.8  
 119 0.0 33.6 100.6#





#67  
 Ethyl Benzene  
 Concen: 0.62 ug/l  
 RT: 11.452 min Scan# 3640  
 Delta R.T. -0.003 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

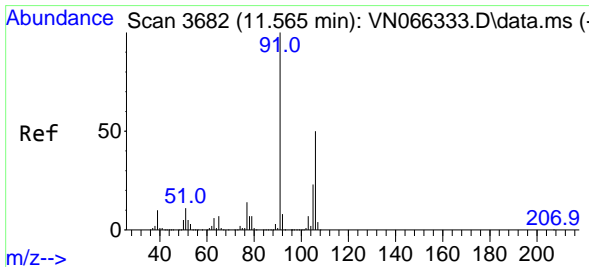
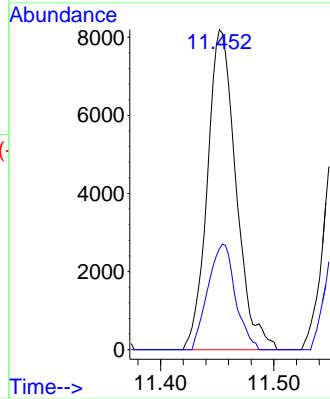
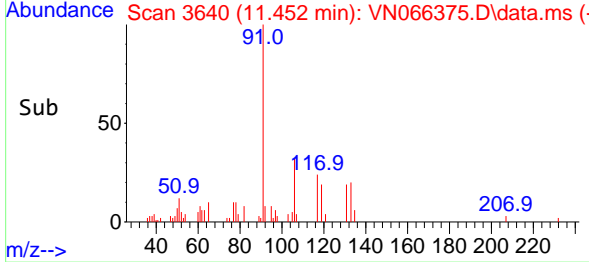
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MDL-WATER-03-QT1-2021



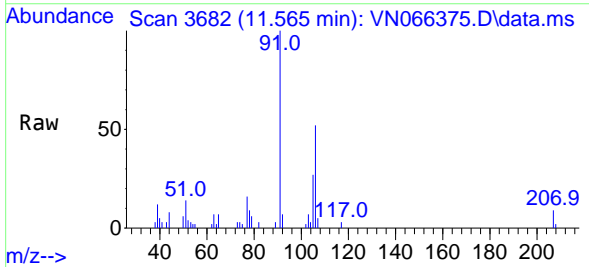
Tgt Ion: 91 Resp: 14363  
 Ion Ratio Lower Upper  
 91 100  
 106 31.6 24.7 37.1

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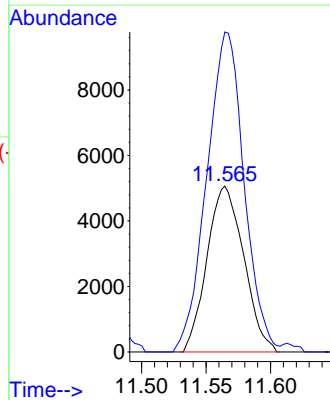
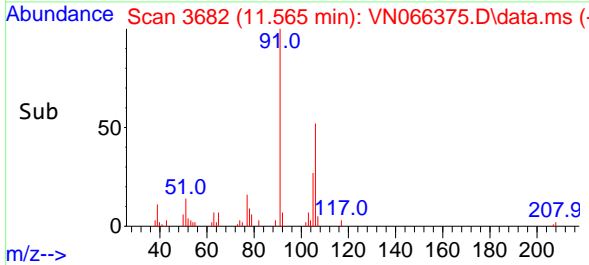
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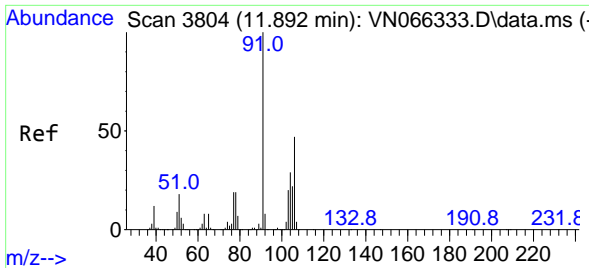


#68  
 m/p-Xylenes  
 Concen: 1.14 ug/l  
 RT: 11.565 min Scan# 3682  
 Delta R.T. 0.000 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37



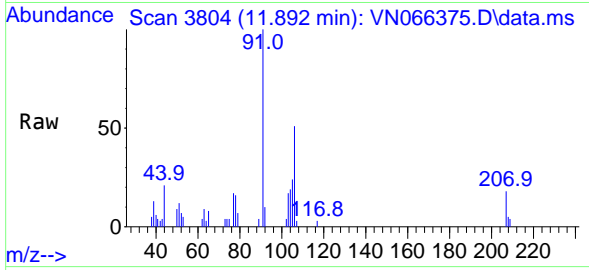
Tgt Ion: 106 Resp: 10031  
 Ion Ratio Lower Upper  
 106 100  
 91 196.0 162.7 244.1





#69  
 o-Xylene  
 Concen: 0.59 ug/l  
 RT: 11.892 min Scan# 3804  
 Delta R.T. -0.000 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

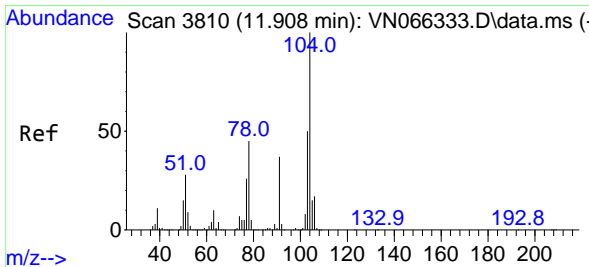
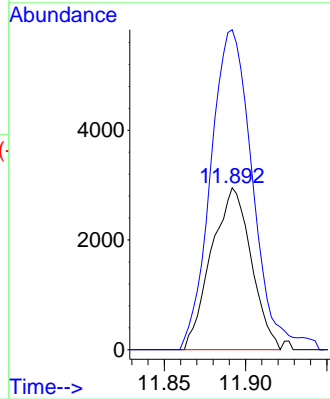
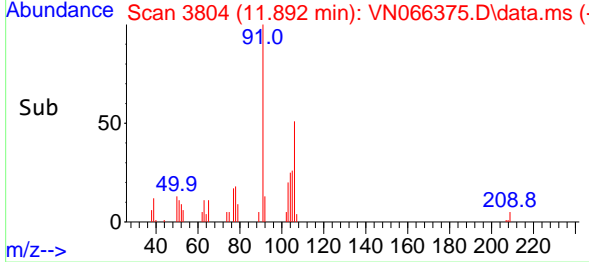
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 MDL-WATER-03-QT1-2021



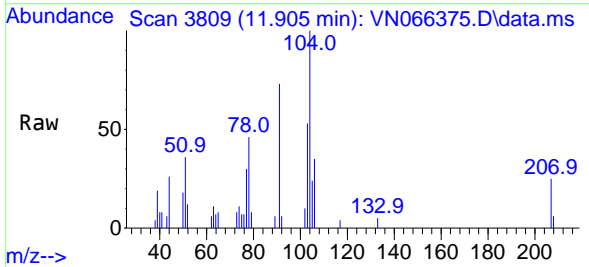
Tgt Ion:106 Resp: 5031  
 Ion Ratio Lower Upper  
 106 100  
 91 208.1 107.1 321.4

Manual Integrations  
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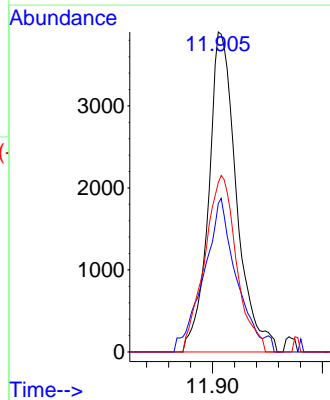
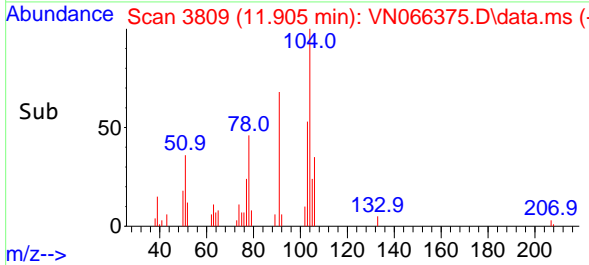
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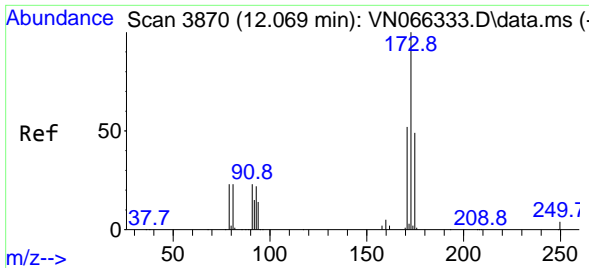


#70  
 Styrene  
 Concen: 0.50 ug/l  
 RT: 11.905 min Scan# 3809  
 Delta R.T. -0.003 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37



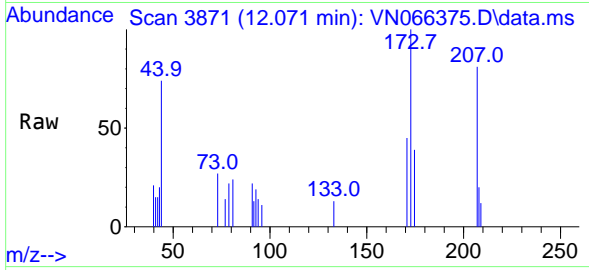
Tgt Ion:104 Resp: 6873  
 Ion Ratio Lower Upper  
 104 100  
 78 55.4 40.7 61.1  
 103 62.9 44.2 66.2





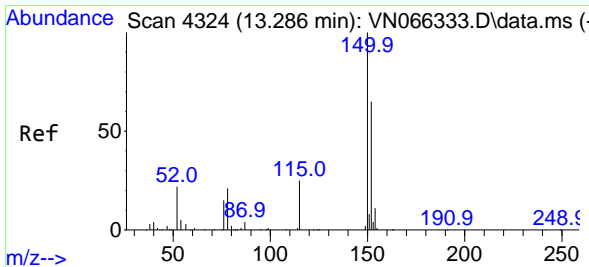
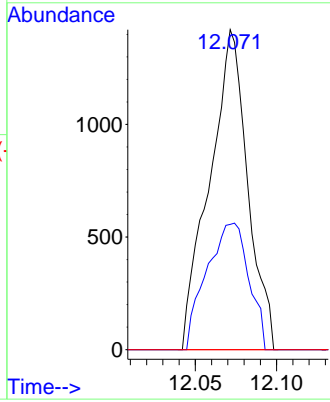
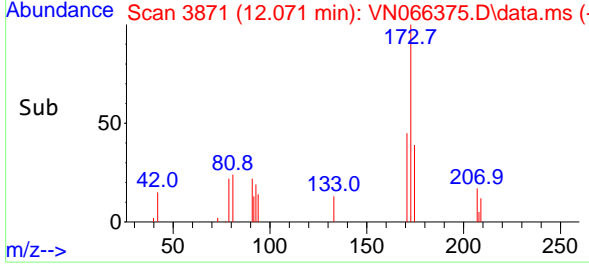
#71  
 Bromoform  
 Concen: 0.57 ug/l  
 RT: 12.071 min Scan# 3871  
 Delta R.T. 0.003 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

**Instrument :**  
 MSVOA\_N  
**Client Sampled :**  
 MDL-WATER-03-QT1-2021

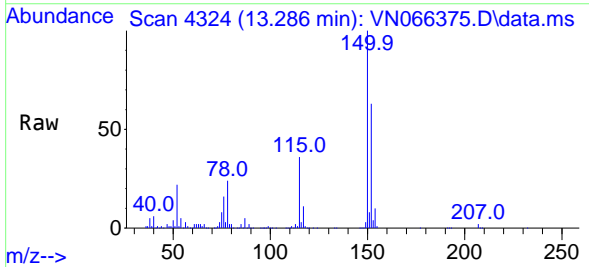


Tgt Ion:173 Resp: 2315  
 Ion Ratio Lower Upper  
 173 100  
 175 43.8 24.3 72.8  
 254 0.0 0.0 0.0

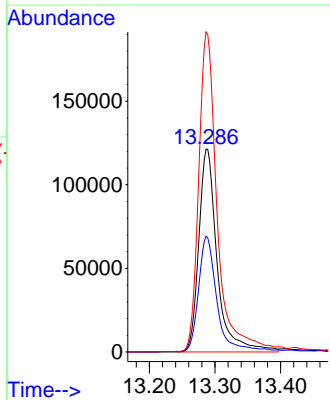
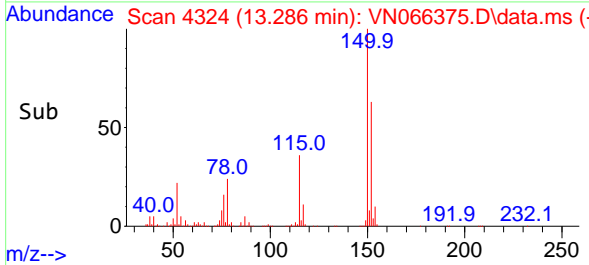
**Manual Integrations**  
**APPROVED**  
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 3/30/2021 7:50:50 PM



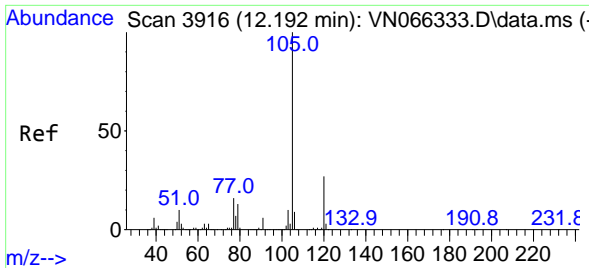
#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 13.286 min Scan# 4324  
 Delta R.T. 0.000 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37



Tgt Ion:152 Resp: 237323  
 Ion Ratio Lower Upper  
 152 100  
 115 55.3 27.8 83.4  
 150 157.5 0.0 348.4

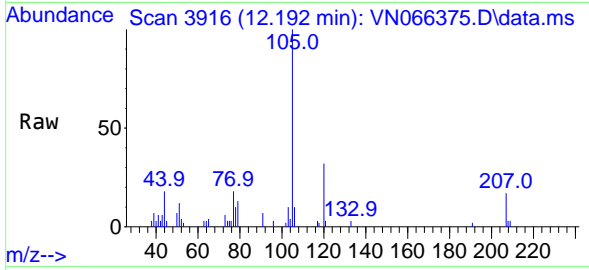






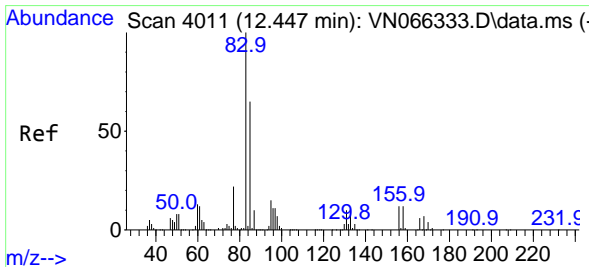
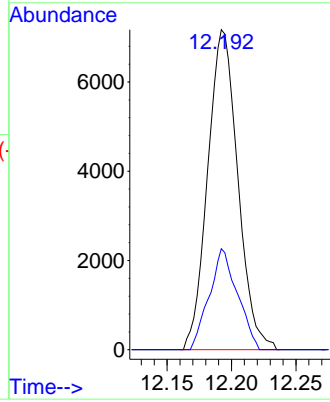
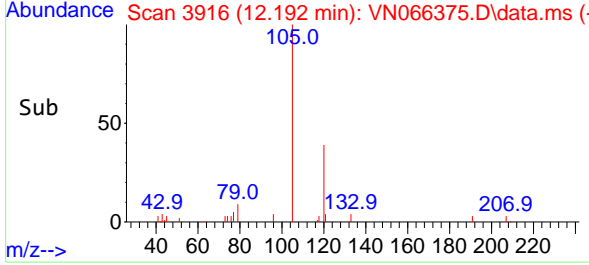
#73  
 Isopropylbenzene  
 Concen: 0.66 ug/l  
 RT: 12.192 min Scan# 3916  
 Delta R.T. 0.000 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

**Instrument :**  
 MSVOA\_N  
**ClientSampled :**  
 MDL-WATER-03-QT1-2021

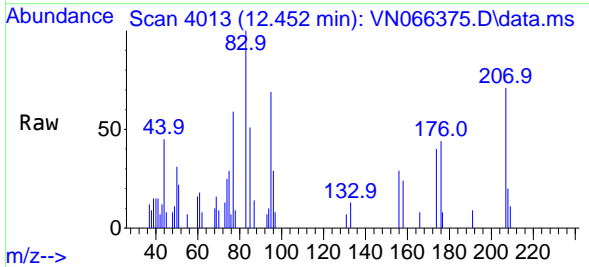


Tgt Ion:105 Resp: 11661  
 Ion Ratio Lower Upper  
 105 100  
 120 29.4 13.3 39.8

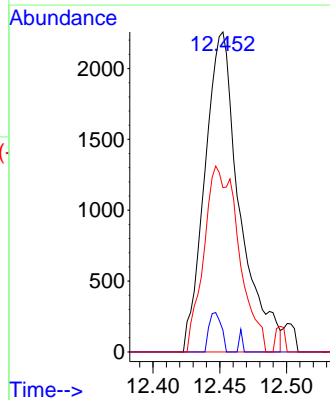
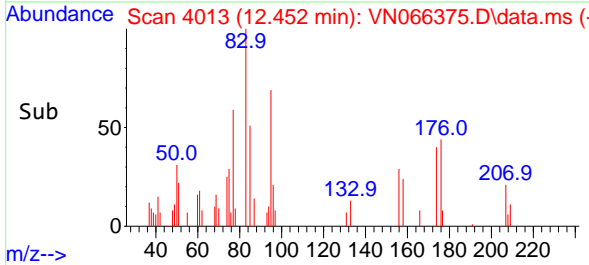
**Manual Integrations**  
**APPROVED**  
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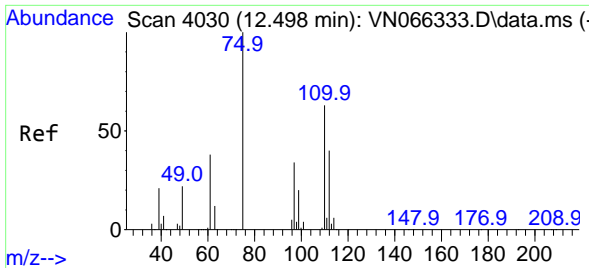


#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 0.73 ug/l  
 RT: 12.452 min Scan# 4013  
 Delta R.T. 0.005 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37



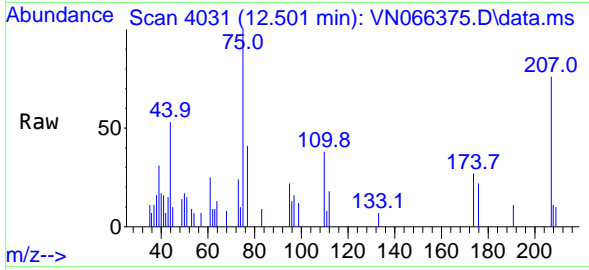
Tgt Ion: 83 Resp: 4089  
 Ion Ratio Lower Upper  
 83 100  
 131 4.3 5.0 15.0#  
 85 58.4 33.8 101.3





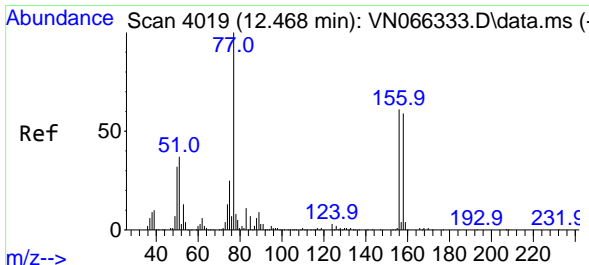
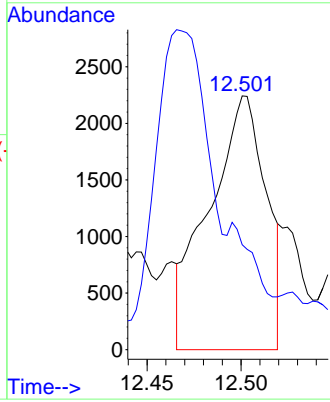
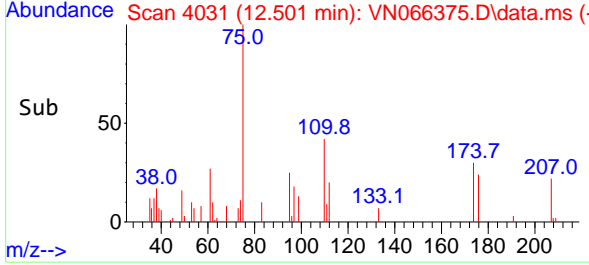
#76  
 1,2,3-Trichloropropane  
 Concen: 0.91 ug/l m  
 RT: 12.501 min Scan# 4031  
 Delta R.T. 0.003 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

**Instrument :**  
 MSVOA\_N  
**ClientSampled :**  
 MDL-WATER-03-QT1-2021

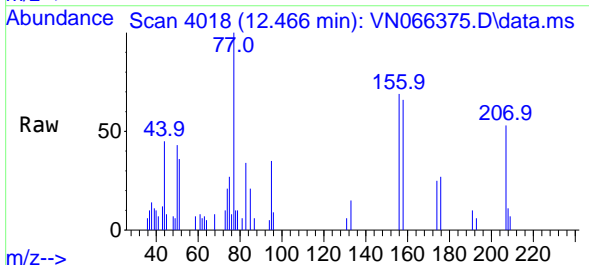


Tgt Ion: 75 Resp: 4728  
 Ion Ratio Lower Upper  
 75 100  
 77 46.6 0.0 0.0#

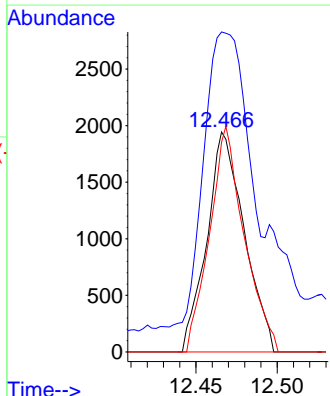
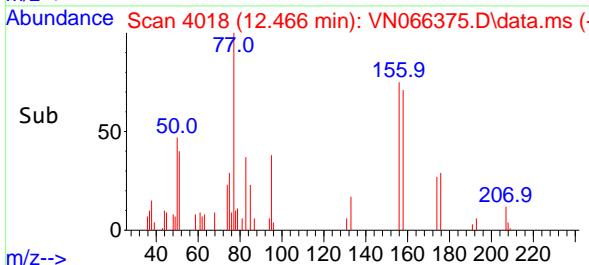
**Manual Integrations**  
**APPROVED**  
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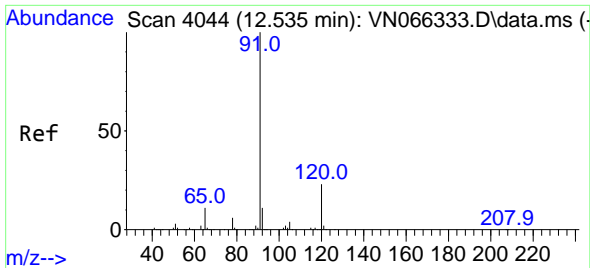


#77  
 Bromobenzene  
 Concen: 0.70 ug/l  
 RT: 12.466 min Scan# 4018  
 Delta R.T. -0.003 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37



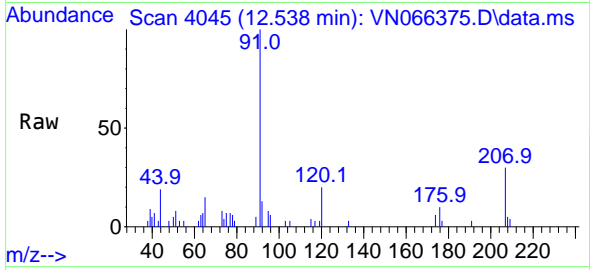
Tgt Ion: 156 Resp: 3112  
 Ion Ratio Lower Upper  
 156 100  
 77 158.6 99.7 299.1  
 158 94.9 48.8 146.3





#78  
 n-propylbenzene  
 Concen: 0.61 ug/l  
 RT: 12.538 min Scan# 4045  
 Delta R.T. 0.003 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

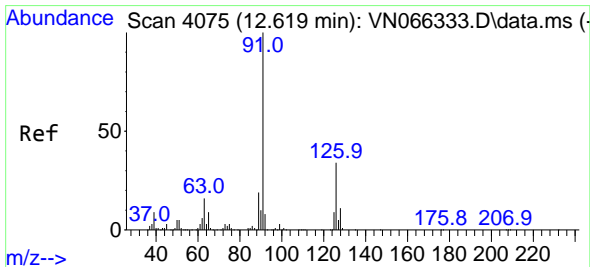
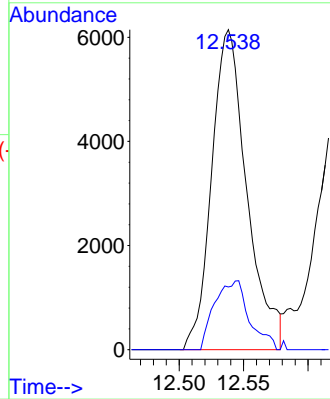
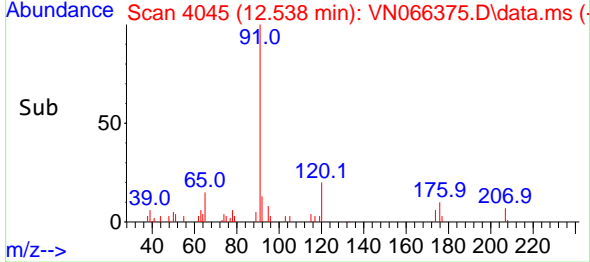
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 MDL-WATER-03-QT1-2021



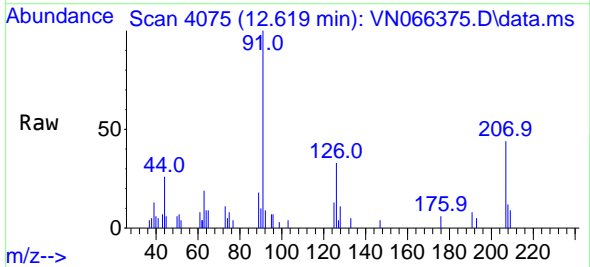
Tgt Ion: 91 Resp: 11676  
 Ion Ratio Lower Upper  
 91 100  
 120 21.3 11.7 35.1

Manual Integrations  
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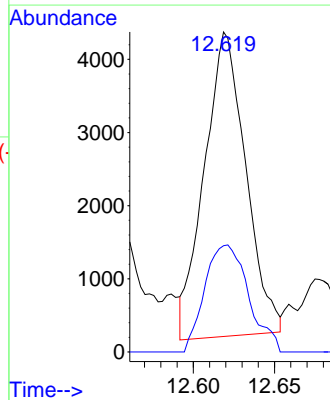
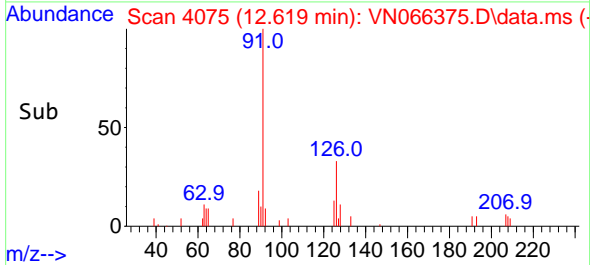
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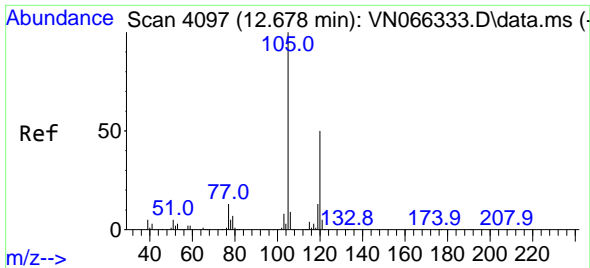


#79  
 2-Chlorotoluene  
 Concen: 0.62 ug/l  
 RT: 12.619 min Scan# 4075  
 Delta R.T. 0.000 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37



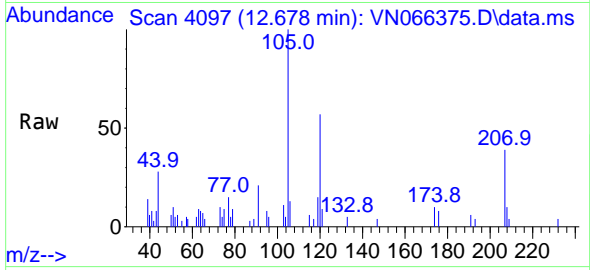
Tgt Ion: 91 Resp: 7369  
 Ion Ratio Lower Upper  
 91 100  
 126 37.2 17.2 51.5





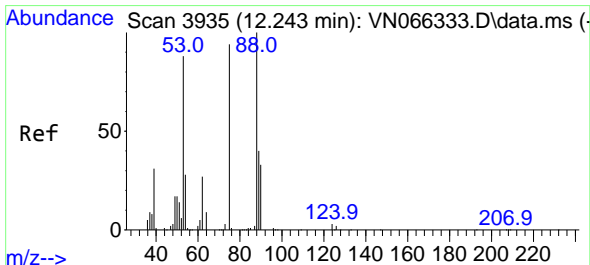
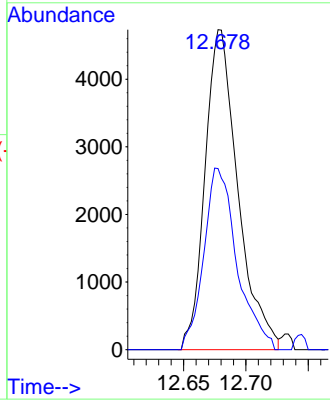
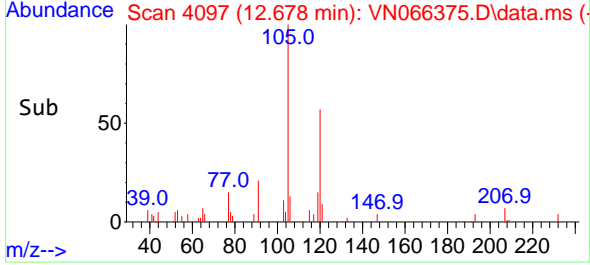
#80  
 1,3,5-Trimethylbenzene  
 Concen: 0.60 ug/l  
 RT: 12.678 min Scan# 4097  
 Delta R.T. 0.008 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

**Instrument :**  
 MSVOA\_N  
**ClientSampled :**  
 MDL-WATER-03-QT1-2021

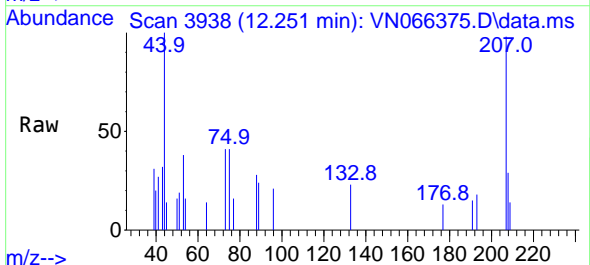


Tgt Ion:105 Resp: 8694  
 Ion Ratio Lower Upper  
 105 100  
 120 57.2 24.5 73.5

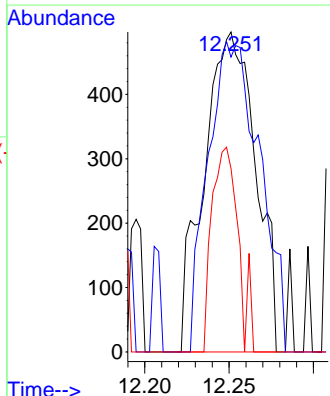
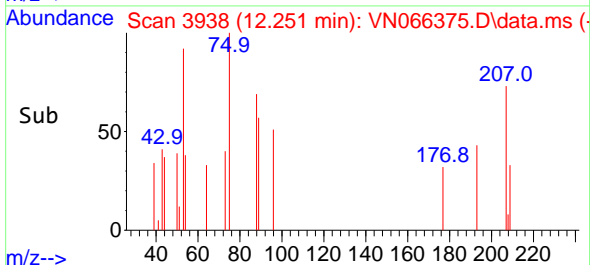
**Manual Integrations**  
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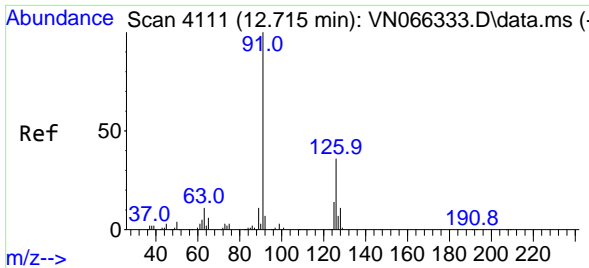


#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 0.61 ug/l m  
 RT: 12.251 min Scan# 3938  
 Delta R.T. 0.008 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37



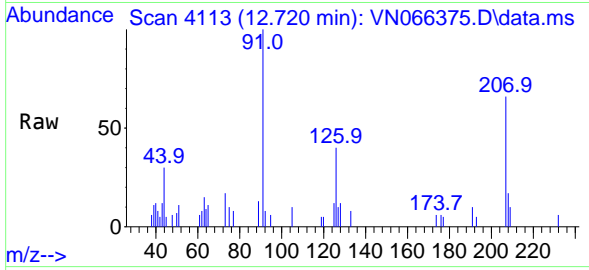
Tgt Ion: 75 Resp: 1059  
 Ion Ratio Lower Upper  
 75 100  
 53 10.8 76.1 114.1#  
 89 4.9 35.7 53.5#





#82  
 4-Chlorotoluene  
 Concen: 0.48 ug/l  
 RT: 12.720 min Scan# 4113  
 Delta R.T. 0.005 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

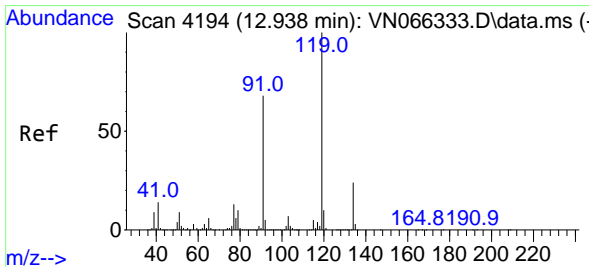
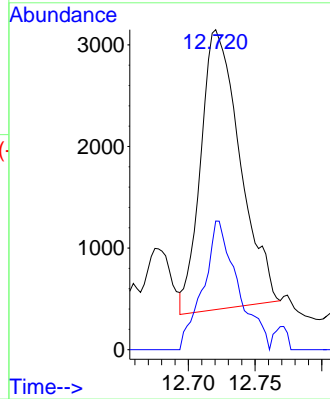
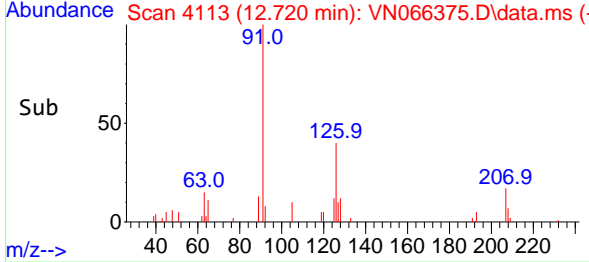
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 ClientSampleId :  
 MDL-WATER-03-QT1-2021



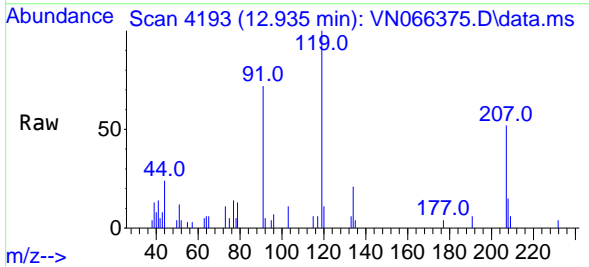
Tgt Ion: 91 Resp: 5636  
 Ion Ratio Lower Upper  
 91 100  
 126 40.5 16.6 49.8

Manual Integrations  
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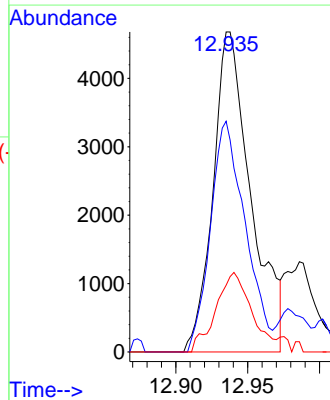
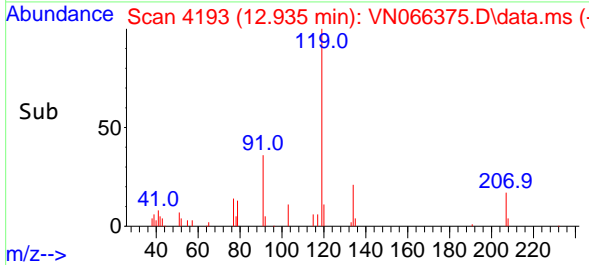
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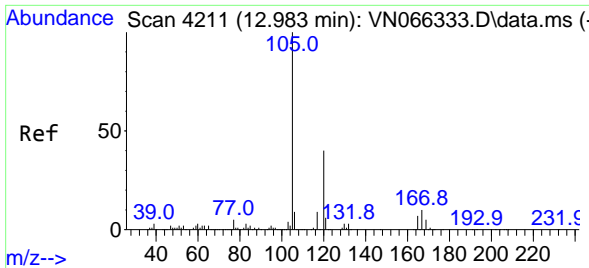


#83  
 tert-Butylbenzene  
 Concen: 0.69 ug/l  
 RT: 12.935 min Scan# 4193  
 Delta R.T. -0.003 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

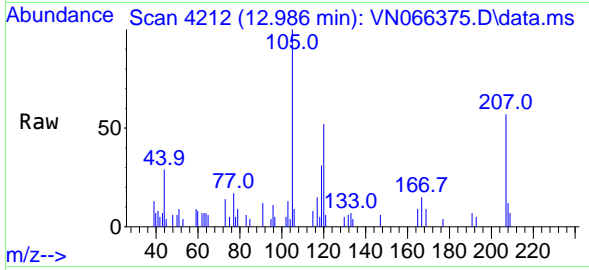


Tgt Ion: 119 Resp: 8575  
 Ion Ratio Lower Upper  
 119 100  
 91 66.5 33.3 99.8  
 134 23.5 12.9 38.6

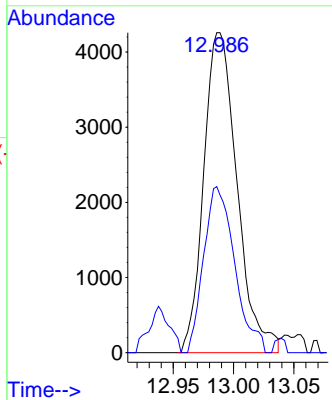
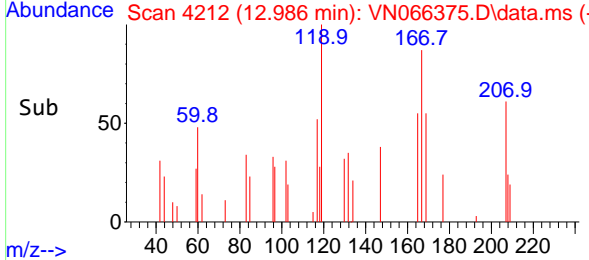




#84  
 1,2,4-Trimethylbenzene  
 Concen: 0.58 ug/l  
 RT: 12.986 min Scan# 4212  
 Delta R.T. 0.003 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

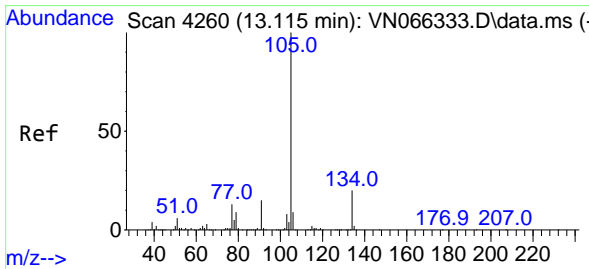


Tgt Ion:105 Resp: 8184  
 Ion Ratio Lower Upper  
 105 100  
 120 48.3 23.1 69.2

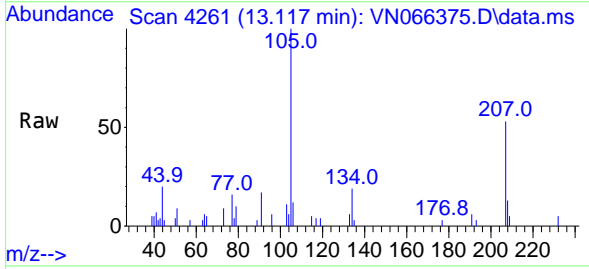


**Instrument :**  
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**ClientSampled :**  
 MDL-WATER-03-QT1-2021

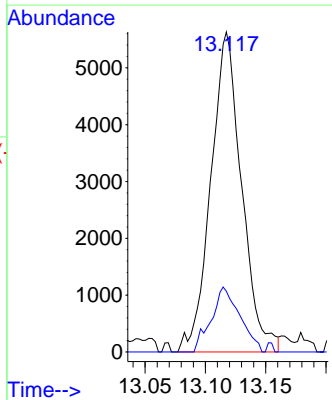
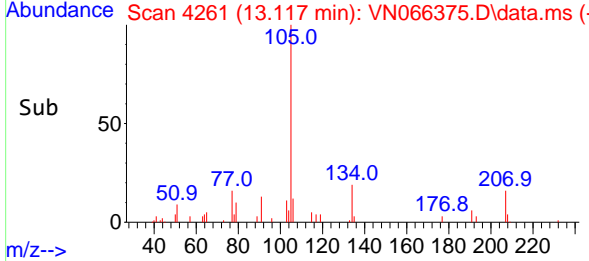
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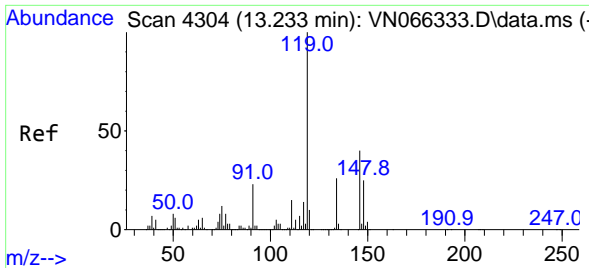


#85  
 sec-Butylbenzene  
 Concen: 0.62 ug/l  
 RT: 13.117 min Scan# 4261  
 Delta R.T. 0.003 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37



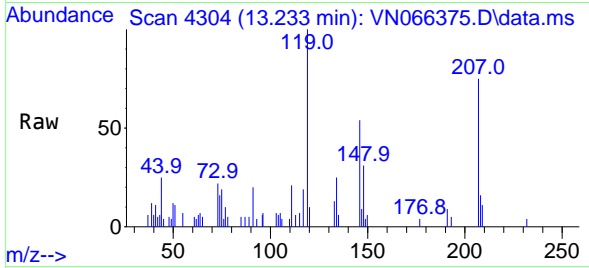
Tgt Ion:105 Resp: 9991  
 Ion Ratio Lower Upper  
 105 100  
 134 18.9 9.9 29.7





#86  
 p-Isopropyltoluene  
 Concen: 0.60 ug/l  
 RT: 13.233 min Scan# 4304  
 Delta R.T. 0.000 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

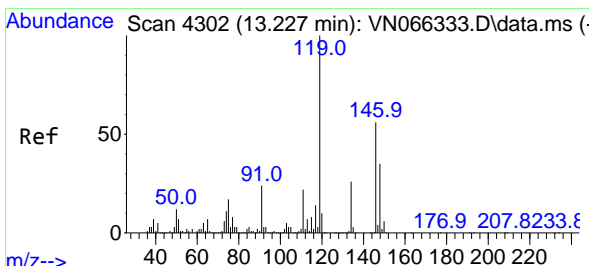
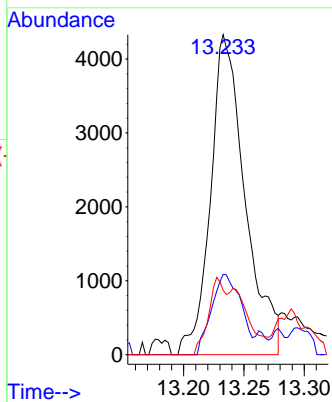
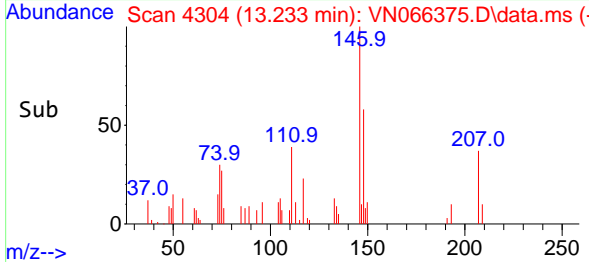
Instrument :  
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 ClientSampled :  
 MDL-WATER-03-QT1-2021



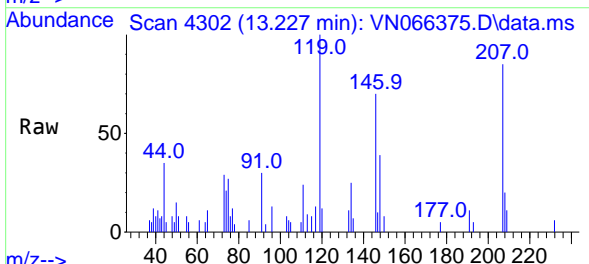
Tgt Ion:119 Resp: 8644  
 Ion Ratio Lower Upper  
 119 100  
 134 21.4 12.9 38.7  
 91 11.8 11.5 34.5

Manual Integrations  
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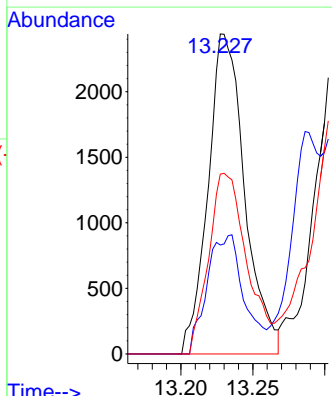
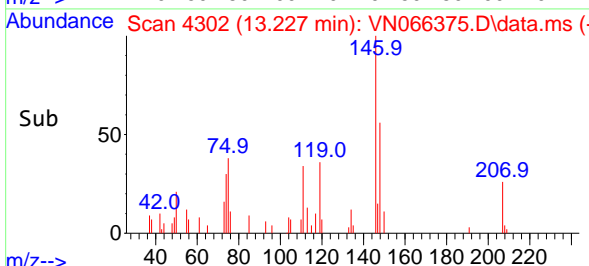
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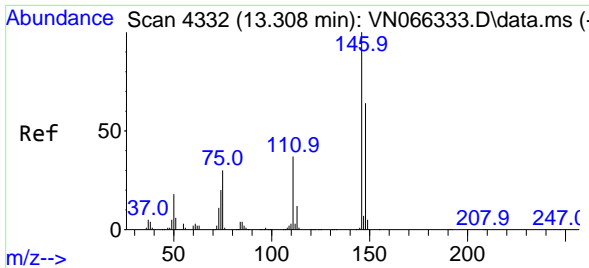


#87  
 1,3-Dichlorobenzene  
 Concen: 0.58 ug/l  
 RT: 13.227 min Scan# 4302  
 Delta R.T. 0.000 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37



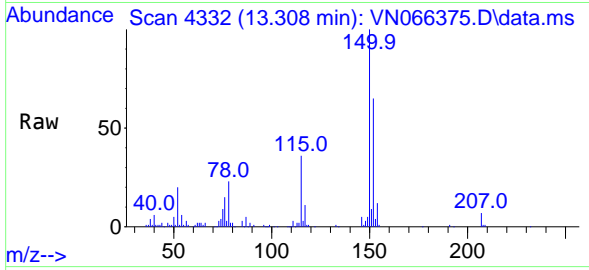
Tgt Ion:146 Resp: 4339  
 Ion Ratio Lower Upper  
 146 100  
 111 37.7 19.4 58.1  
 148 59.4 31.8 95.4





#88  
 1,4-Dichlorobenzene  
 Concen: 0.64 ug/l m  
 RT: 13.308 min Scan# 4332  
 Delta R.T. 0.000 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

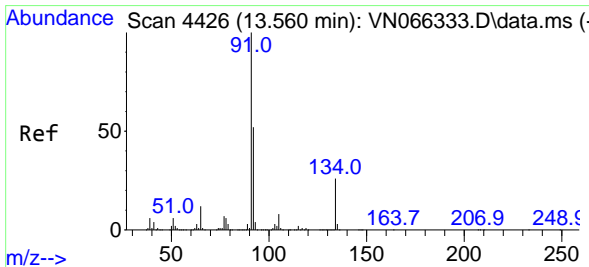
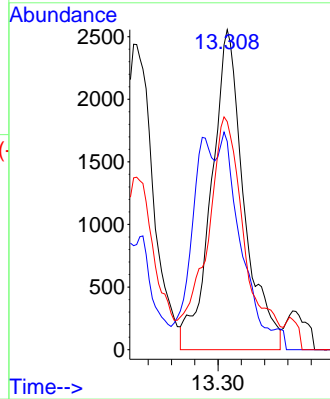
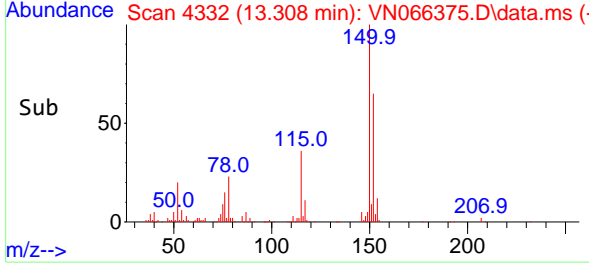
Instrument :  
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 ClientSampled :  
 MDL-WATER-03-QT1-2021



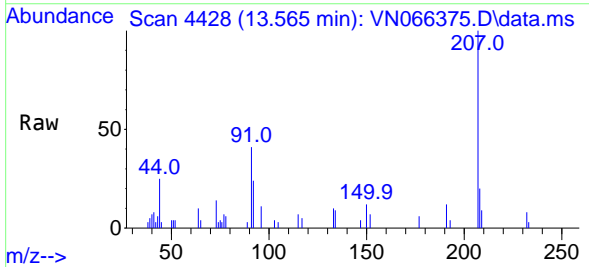
Tgt Ion:146 Resp: 4963  
 Ion Ratio Lower Upper  
 146 100  
 111 33.0 18.3 54.9  
 148 51.9 31.9 95.9

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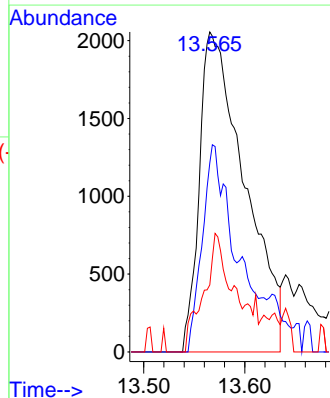
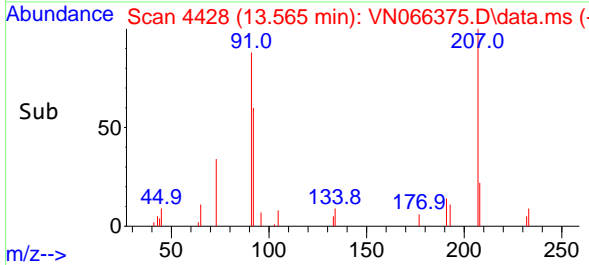
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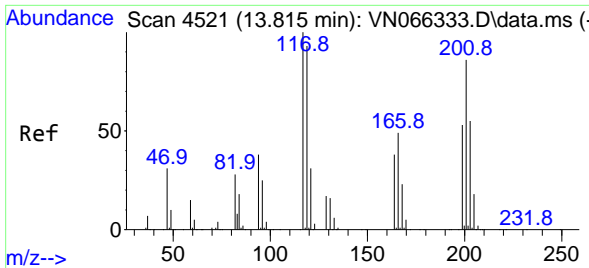
#89  
 n-Butylbenzene  
 Concen: 0.54 ug/l  
 RT: 13.565 min Scan# 4428  
 Delta R.T. 0.005 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37



Tgt Ion: 91 Resp: 6408  
 Ion Ratio Lower Upper  
 91 100  
 92 37.0 26.1 78.3  
 134 21.9 12.8 38.4

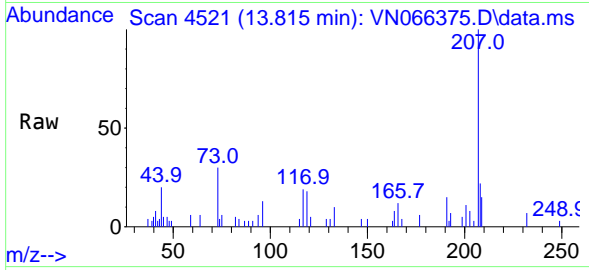






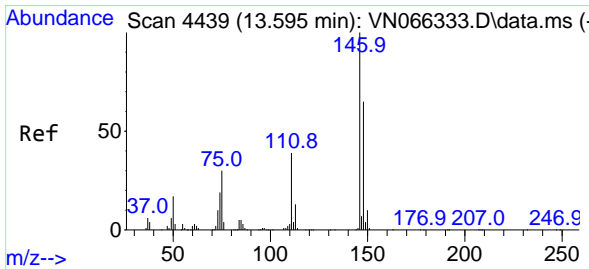
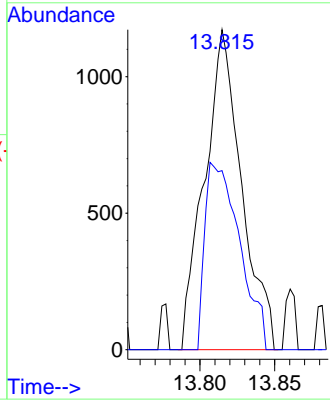
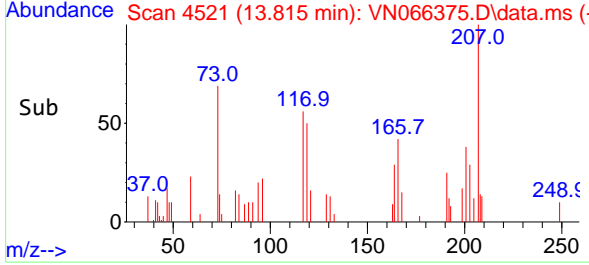
#90  
 Hexachloroethane  
 Concen: 0.78 ug/l  
 RT: 13.815 min Scan# 4521  
 Delta R.T. 0.000 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

**Instrument :**  
 MSVOA\_N  
**ClientSampled :**  
 MDL-WATER-03-QT1-2021

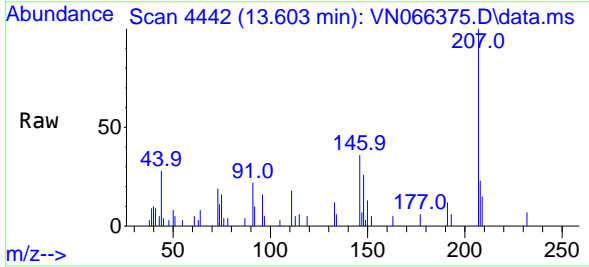


Tgt Ion:117 Resp: 2027  
 Ion Ratio Lower Upper  
 117 100  
 201 54.5 44.0 131.8

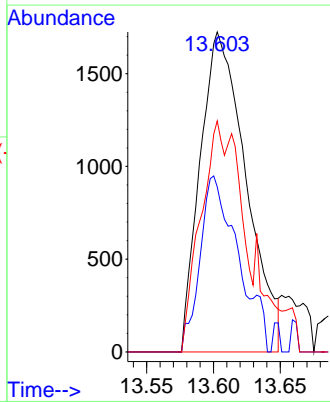
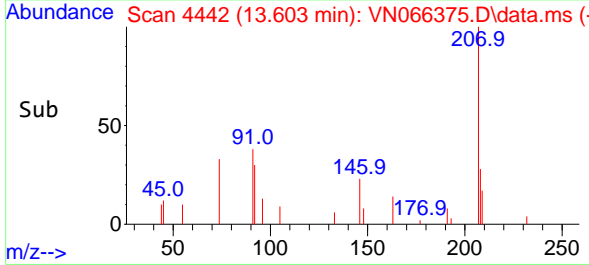
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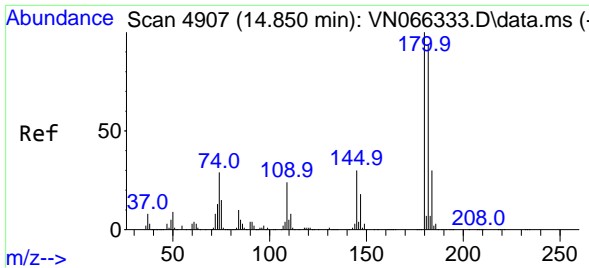


#91  
 1,2-Dichlorobenzene  
 Concen: 0.56 ug/l  
 RT: 13.603 min Scan# 4442  
 Delta R.T. 0.008 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

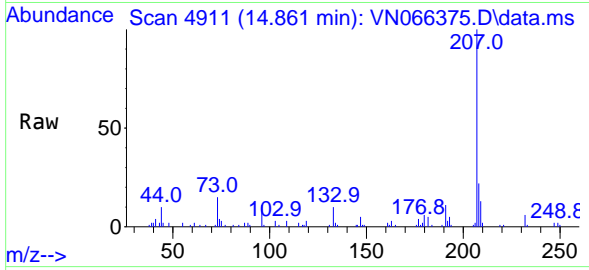


Tgt Ion:146 Resp: 4121  
 Ion Ratio Lower Upper  
 146 100  
 111 41.2 19.7 59.1  
 148 37.2 32.3 96.8



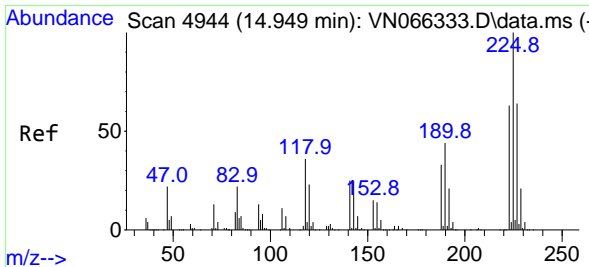
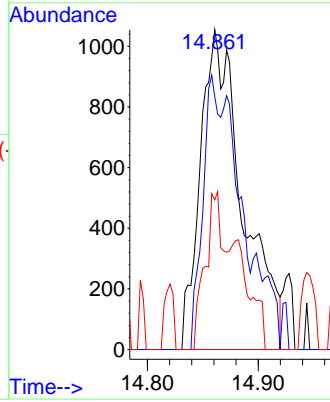
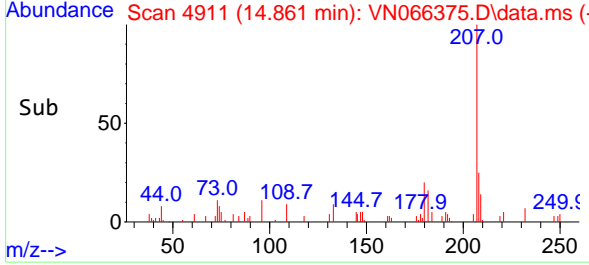


#93  
 1,2,4-Trichlorobenzene  
 Concen: 0.62 ug/l m  
 RT: 14.861 min Scan# 4911  
 Delta R.T. 0.011 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37

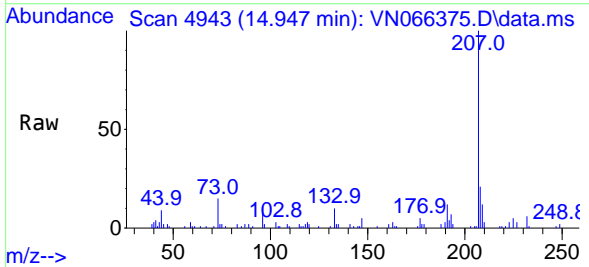


Tgt Ion:180 Resp: 2809

Ion	Ratio	Lower	Upper
180	100		
182	34.5	47.4	142.3#
145	21.2	14.2	42.8

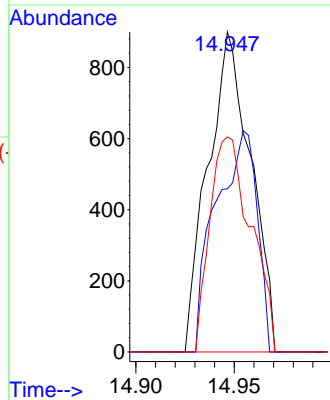
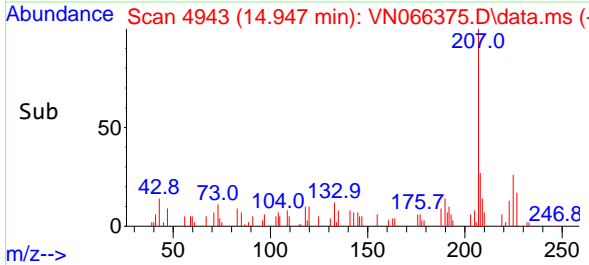


#94  
 Hexachlorobutadiene  
 Concen: 0.55 ug/l  
 RT: 14.947 min Scan# 4943  
 Delta R.T. -0.003 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37



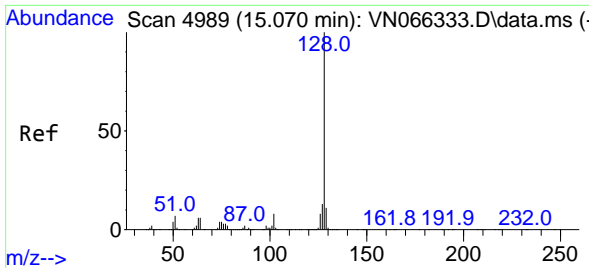
Tgt Ion:225 Resp: 1361

Ion	Ratio	Lower	Upper
225	100		
223	66.6	31.1	93.5
227	64.5	32.1	96.3

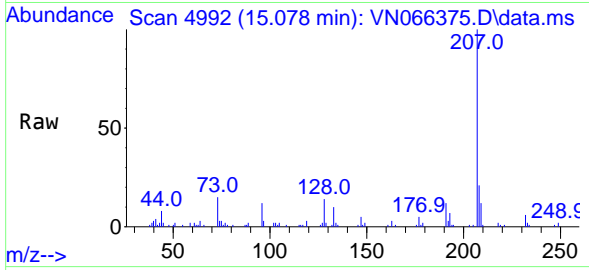


**Instrument :**  
 MSVOA\_N  
**ClientSampled :**  
 MDL-WATER-03-QT1-2021

**Manual Integrations**  
**APPROVED**  
 MMDadoda  
 3/30/2021 7:50:50 PM

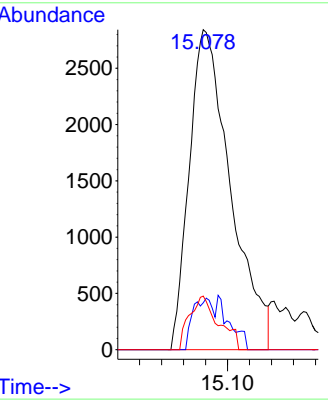
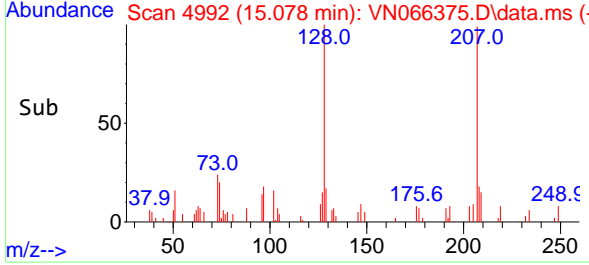


#95  
 Naphthalene  
 Concen: 0.54 ug/l  
 RT: 15.078 min Scan# 4992  
 Delta R.T. 0.008 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37



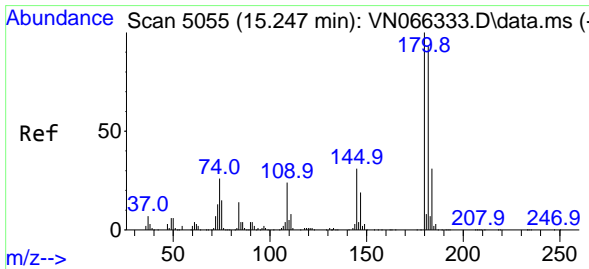
Tgt Ion:128 Resp: 7421

Ion	Ratio	Lower	Upper
128	100		
127	3.7	10.5	15.7#
129	11.8	8.5	12.7

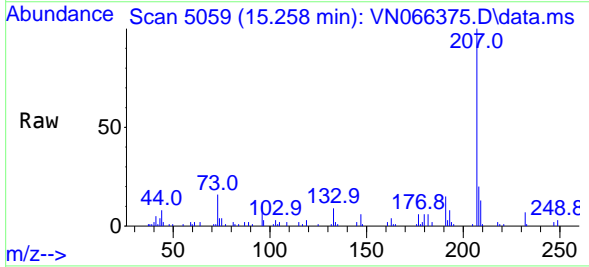


**Instrument :**  
 MSVOA\_N  
**ClientSampled :**  
 MDL-WATER-03-QT1-2021

**Manual Integrations**  
**APPROVED**  
 MMDadoda  
 3/30/2021 7:50:50 PM



#96  
 1,2,3-Trichlorobenzene  
 Concen: 0.59 ug/l  
 RT: 15.258 min Scan# 5059  
 Delta R.T. 0.011 min  
 Lab File: VN066375.D  
 Acq: 29 Mar 2021 14:37



Tgt Ion:180 Resp: 2725

Ion	Ratio	Lower	Upper
180	100		
182	83.9	47.6	142.9
145	21.0	15.4	46.1

