

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061521\
 Data File : VN067344.D
 Acq On : 15 Jun 2021 14:11
 Operator : JC/MD
 Sample : M2262-09 .2PPB MDL
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

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

Manual Integrations
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 6/16/2021 5:03:15 PM

Quant Time: Jun 16 04:31:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 16 04:29:50 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	338835	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	646583	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	583949	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	221890	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	330437	49.435	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.860%		
35) Dibromofluoromethane	8.024	113	207391	48.227	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.460%		
50) Toluene-d8	10.446	98	791189	48.002	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.000%		
62) 4-Bromofluorobenzene	12.736	95	310907	45.708	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	91.420%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.292	50	1982m	0.385	ug/l	
4) Vinyl Chloride	2.451	62	1114m	0.221	ug/l	
5) Bromomethane	2.840	94	1074	0.502	ug/l #	63
10) Methyl Iodide	4.403	142	798m	0.216	ug/l	
11) Tert butyl alcohol	5.398	59	704	0.640	ug/l #	71
12) 1,1-Dichloroethene	4.173	96	972m	0.239	ug/l	
13) Acrolein	4.049	56	1617m	2.354	ug/l	
14) Allyl chloride	4.832	41	2935m	0.326	ug/l	
15) Acrylonitrile	5.567	53	2196m	0.909	ug/l	
16) Acetone	4.293	43	5785m	2.255	ug/l	
17) Carbon Disulfide	4.524	76	3690	0.281	ug/l #	74
18) Methyl Acetate	4.878	43	3572m	0.574	ug/l	
20) Methylene Chloride	5.101	84	3890m	0.729	ug/l	
23) Vinyl Acetate	6.439	43	12411	0.814	ug/l	99
25) 2-Butanone	7.356	43	4542m	1.239	ug/l	
26) 2,2-Dichloropropane	7.327	77	2496m	0.264	ug/l	
27) cis-1,2-Dichloroethene	7.321	96	1132m	0.214	ug/l	
29) Tetrahydrofuran	7.713	42	2933m	1.269	ug/l	
30) Chloroform	7.815	83	2074	0.212	ug/l	98
31) Cyclohexane	8.083	56	12418	1.367	ug/l #	46
36) 1,1-Dichloropropene	8.220	75	1784m	0.246	ug/l	
37) Ethyl Acetate	7.423	43	2807m	0.366	ug/l	
38) Carbon Tetrachloride	8.206	117	1714m	0.220	ug/l	
39) Methylcyclohexane	9.459	83	1550	0.202	ug/l #	92
41) Methacrylonitrile	7.659	41	1521m	0.381	ug/l	
42) 1,2-Dichloroethane	8.528	62	2138	0.250	ug/l #	79
43) Isopropyl Acetate	8.558	43	2909	0.211	ug/l #	59
46) Dibromomethane	9.577	93	790	0.215	ug/l #	25
49) 1,4-Dioxane	9.582	88	150	1.744	ug/l #	20
51) 4-Methyl-2-Pentanone	10.336	43	7114	0.896	ug/l	92
55) 1,1,2-Trichloroethane	10.907	97	1000	0.203	ug/l #	86
58) 2-Chloroethyl Vinyl ether	10.041	63	1699	0.660	ug/l #	88
59) 2-Hexanone	11.092	43	6287	1.081	ug/l	96
68) m/p-Xylenes	11.958	106	3067	0.343	ug/l	84
73) Isopropylbenzene	12.586	105	4267	0.200	ug/l	94
74) N-amyl acetate	12.395	43	2699	0.260	ug/l #	85

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Manual Integrations
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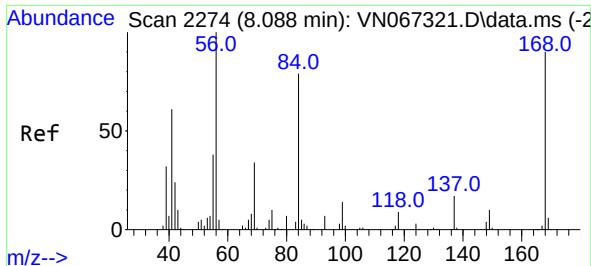
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Quant Time: Jun 16 04:31:31 2021
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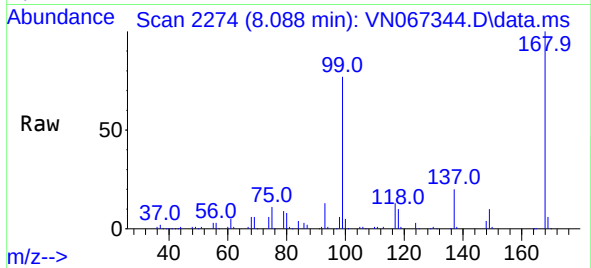
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

75) 1,1,2,2-Tetrachloroethane	12.833	83	1550	0.244	ug/l	#	83
76) 1,2,3-Trichloropropane	12.881	75	1193m	0.207	ug/l		
77) Bromobenzene	12.857	156	872	0.201	ug/l		71
78) n-propylbenzene	12.921	91	6315	0.249	ug/l		90
79) 2-Chlorotoluene	13.018	91	3191	0.202	ug/l		94
80) 1,3,5-Trimethylbenzene	13.061	105	3788	0.211	ug/l		99
82) 4-Chlorotoluene	13.112	91	3917m	0.249	ug/l		
83) tert-Butylbenzene	13.323	119	3128	0.219	ug/l		94
84) 1,2,4-Trimethylbenzene	13.369	105	3984	0.225	ug/l	#	66
85) sec-Butylbenzene	13.508	105	4303	0.213	ug/l		95
86) p-Isopropyltoluene	13.624	119	3756	0.230	ug/l		96
87) 1,3-Dichlorobenzene	13.624	146	1714	0.219	ug/l		68
88) 1,4-Dichlorobenzene	13.694	146	2534m	0.322	ug/l		
89) n-Butylbenzene	13.946	91	4032	0.263	ug/l		90
91) 1,2-Dichlorobenzene	13.986	146	1768m	0.238	ug/l		
92) 1,2-Dibromo-3-Chloropr...	14.597	75	535m	0.337	ug/l		
93) 1,2,4-Trichlorobenzene	15.268	180	1480	0.382	ug/l	#	58
94) Hexachlorobutadiene	15.372	225	544	0.244	ug/l	#	61
95) Naphthalene	15.515	128	5695	0.482	ug/l	#	70
96) 1,2,3-Trichlorobenzene	15.700	180	1305	0.351	ug/l	#	19

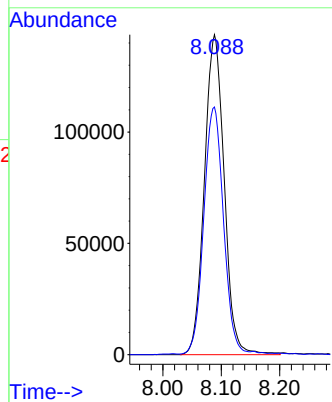
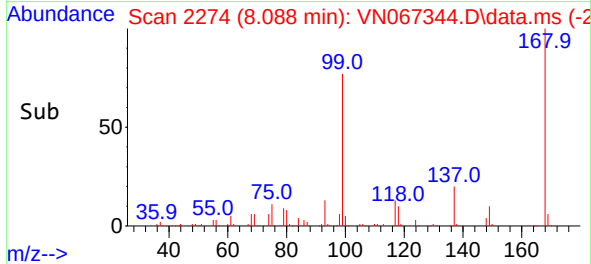
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
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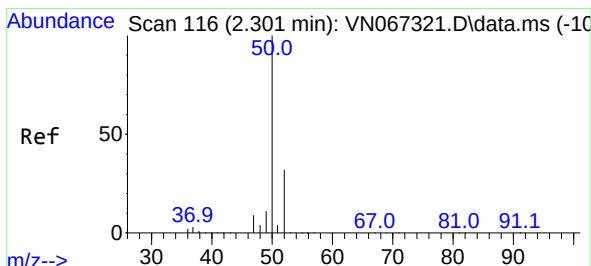
Tgt Ion:168 Resp: 338835
Ion Ratio Lower Upper
168 100
99 77.2 62.9 94.3



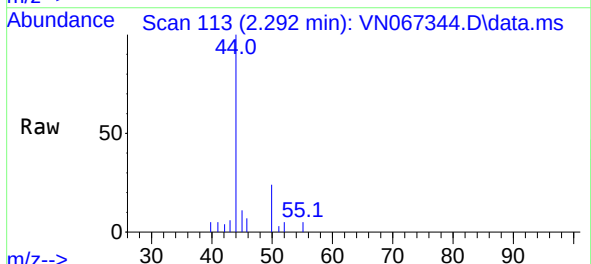
Instrument :
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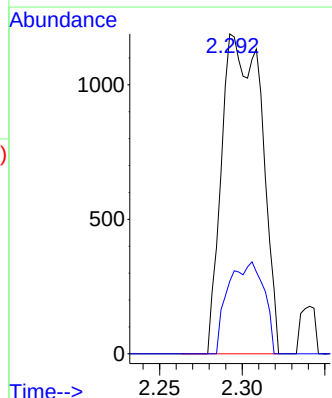
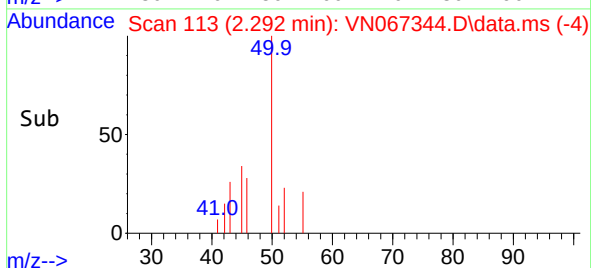
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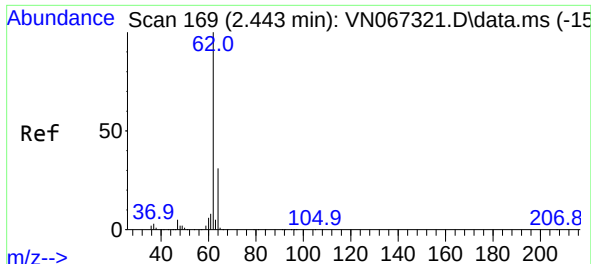


#3
Chloromethane
Concen: 0.385 ug/l m
RT: 2.292 min Scan# 113
Delta R.T. -0.009 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11



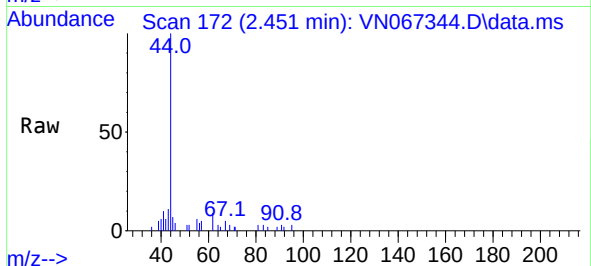
Tgt Ion: 50 Resp: 1982
Ion Ratio Lower Upper
50 100
52 22.7 25.6 38.4#





#4
 Vinyl Chloride
 Concen: 0.221 ug/l m
 RT: 2.451 min Scan# 172
 Delta R.T. 0.008 min
 Lab File: VN067344.D
 Acq: 15 Jun 2021 14:11

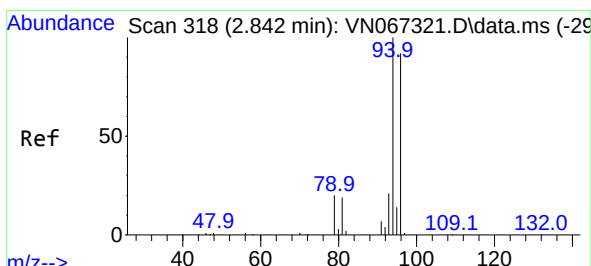
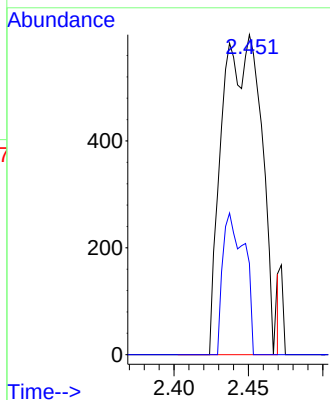
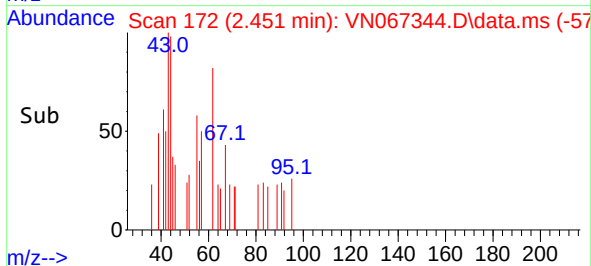
Instrument :
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 ClientSampleId :
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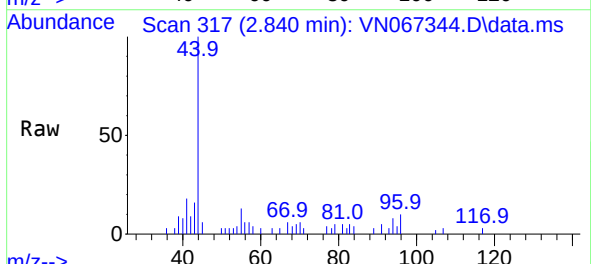
Tgt Ion: 62 Resp: 1114
 Ion Ratio Lower Upper
 62 100
 64 28.5 24.4 36.6

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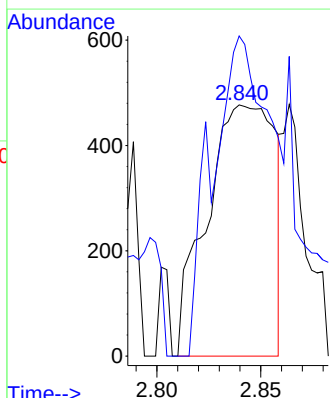
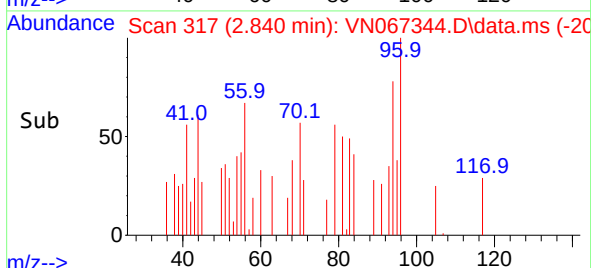
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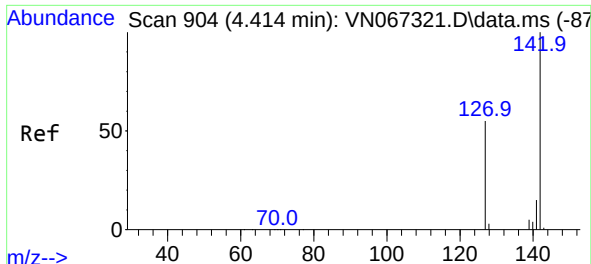


#5
 Bromomethane
 Concen: 0.502 ug/l
 RT: 2.840 min Scan# 317
 Delta R.T. -0.002 min
 Lab File: VN067344.D
 Acq: 15 Jun 2021 14:11



Tgt Ion: 94 Resp: 1074
 Ion Ratio Lower Upper
 94 100
 96 127.5 73.7 110.5#





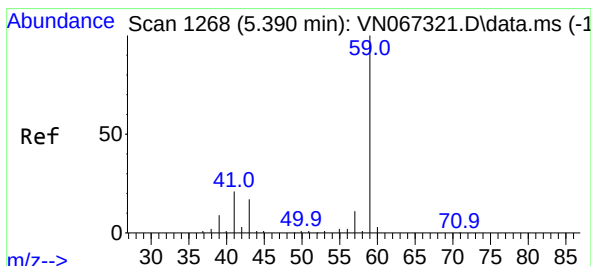
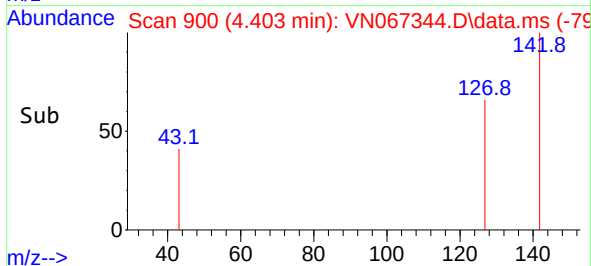
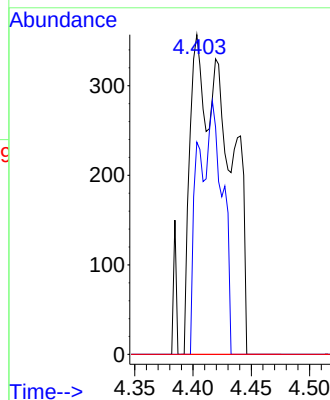
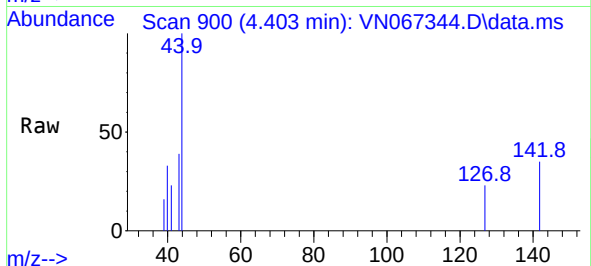
#10
Methyl Iodide
Concen: 0.216 ug/l m
RT: 4.403 min Scan# 900
Delta R.T. -0.011 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11

Tgt Ion: 142 Resp: 798
Ion Ratio Lower Upper
142 100
127 30.2 43.1 64.7#
141 0.0 11.4 17.0#

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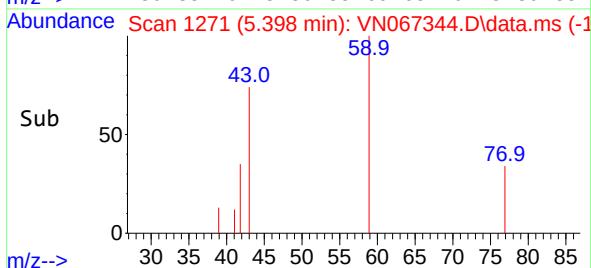
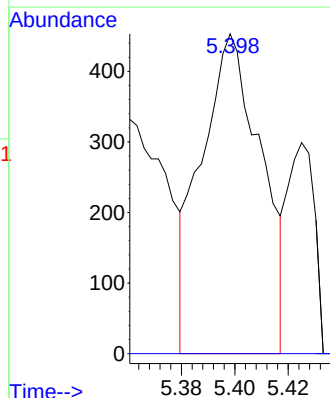
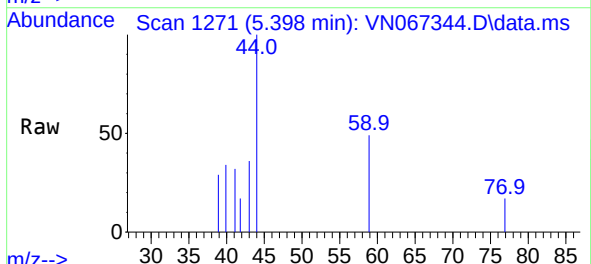
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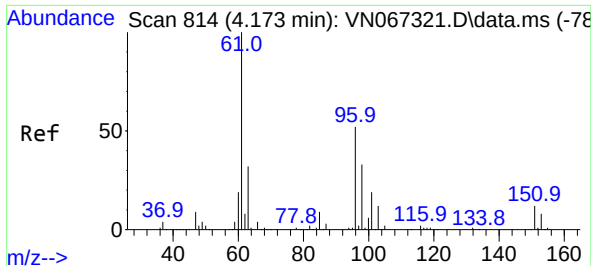
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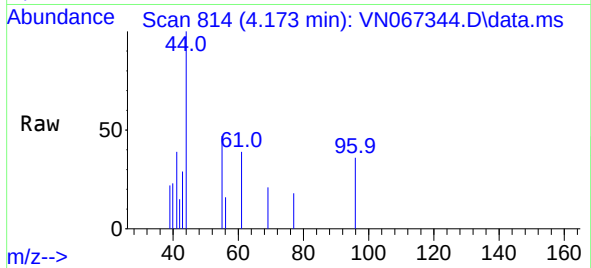
#11
Tert butyl alcohol
Concen: 0.640 ug/l
RT: 5.398 min Scan# 1271
Delta R.T. 0.008 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11

Tgt Ion: 59 Resp: 704
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

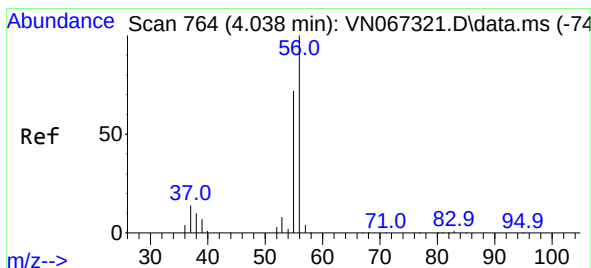
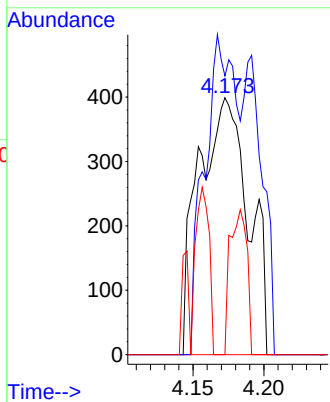
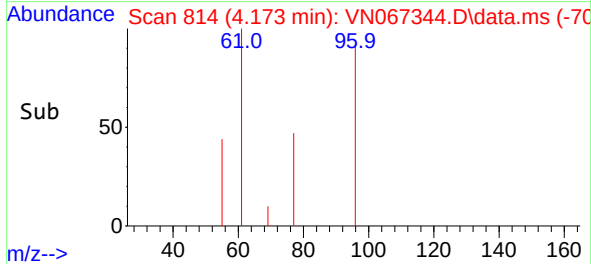




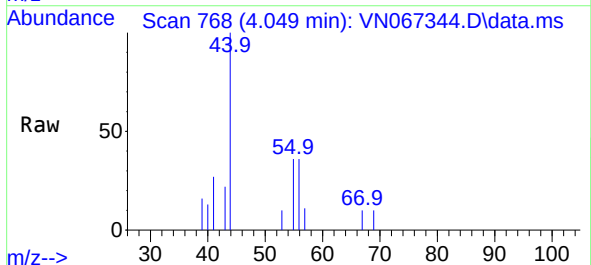
#12
1,1-Dichloroethene
Concen: 0.239 ug/l m
RT: 4.173 min Scan# 814
Delta R.T. -0.000 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11



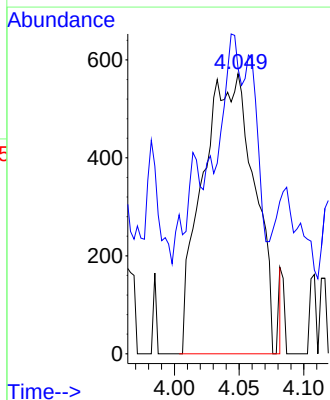
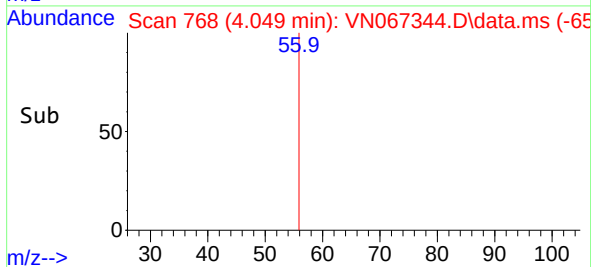
Tgt Ion: 96 Resp: 972
Ion Ratio Lower Upper
96 100
61 108.5 152.6 229.0#
98 0.0 50.9 76.3#



#13
Acrolein
Concen: 2.354 ug/l m
RT: 4.049 min Scan# 768
Delta R.T. 0.011 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11



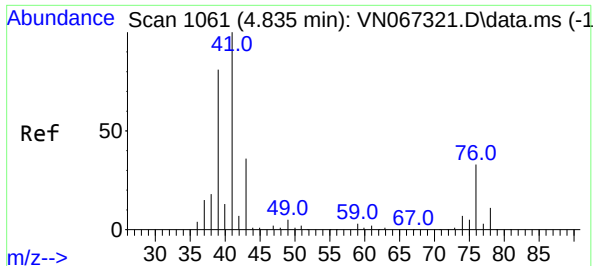
Tgt Ion: 56 Resp: 1617
Ion Ratio Lower Upper
56 100
55 12.4 57.4 86.0#



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#14

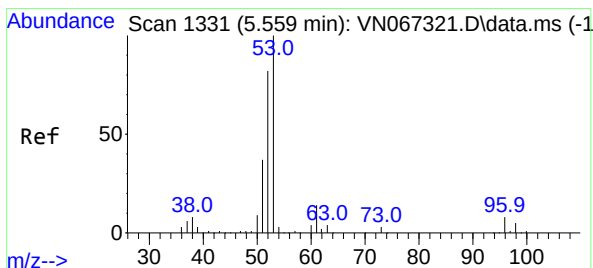
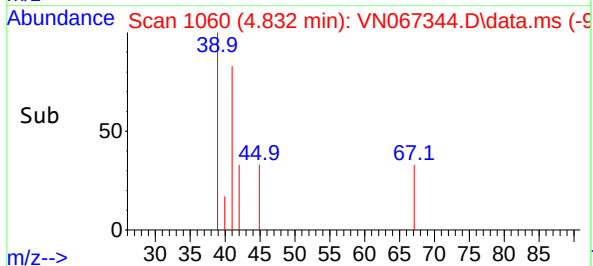
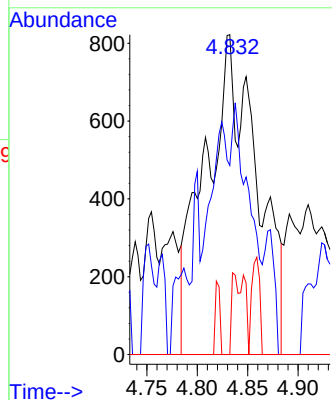
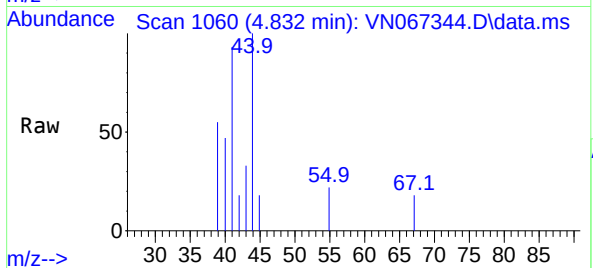
Allyl chloride
 Concen: 0.326 ug/l m
 RT: 4.832 min Scan# 1060
 Delta R.T. -0.003 min
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Tgt Ion:	41	Resp:	2935
Ion	Ratio	Lower	Upper
41	100		
39	27.8	60.9	91.3#
76	3.1	24.3	36.5#

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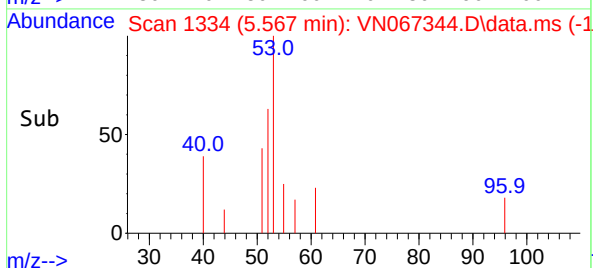
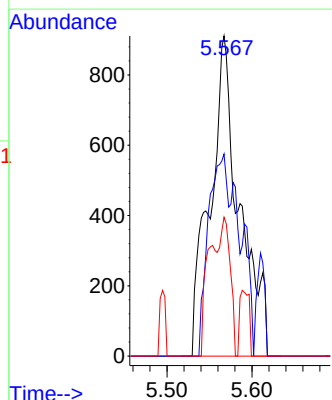
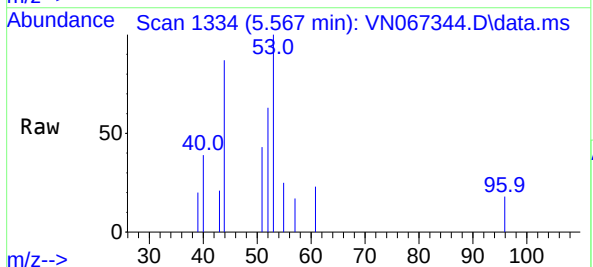
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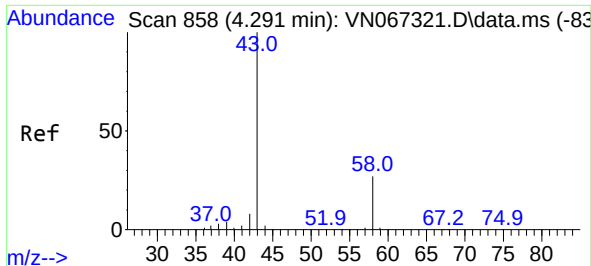


#15

Acrylonitrile
 Concen: 0.909 ug/l m
 RT: 5.567 min Scan# 1334
 Delta R.T. 0.008 min
 Lab File: VN067344.D
 Acq: 15 Jun 2021 14:11

Tgt Ion:	53	Resp:	2196
Ion	Ratio	Lower	Upper
53	100		
52	41.2	66.2	99.2#
51	13.4	30.2	45.4#





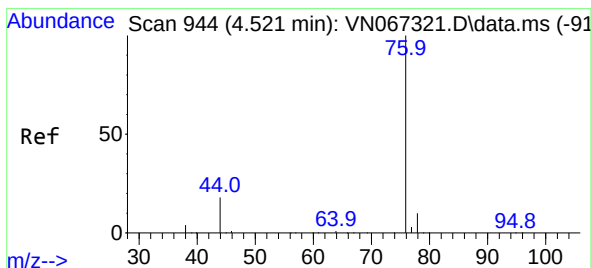
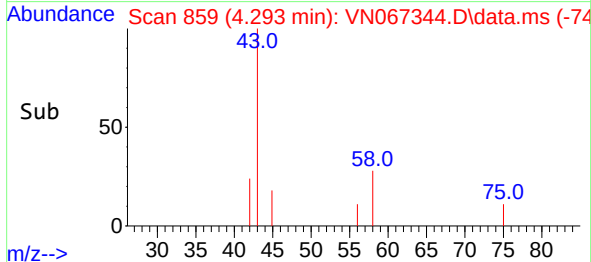
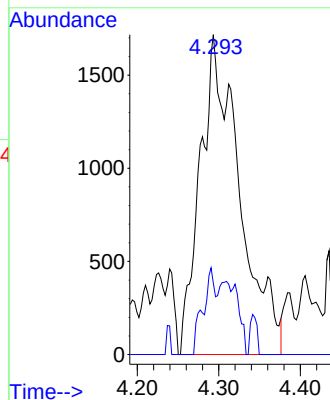
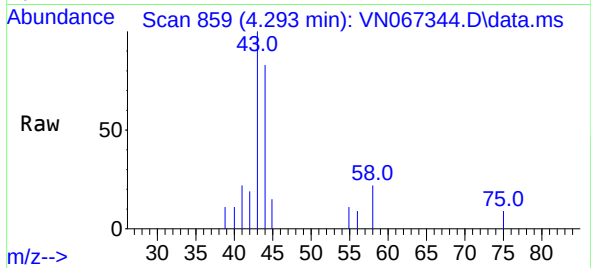
#16
Acetone
Concen: 2.255 ug/l m
RT: 4.293 min Scan# 859
Delta R.T. 0.002 min
Lab File: VN067344.D
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Tgt Ion: 43 Resp: 5785
Ion Ratio Lower Upper
43 100
58 22.3 21.2 31.8

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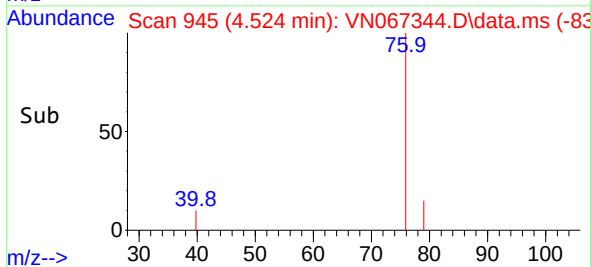
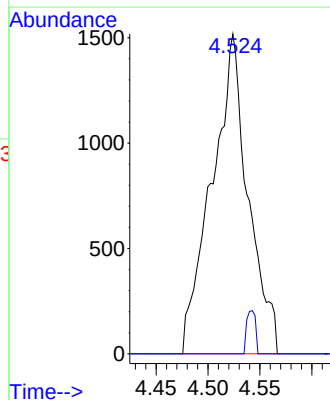
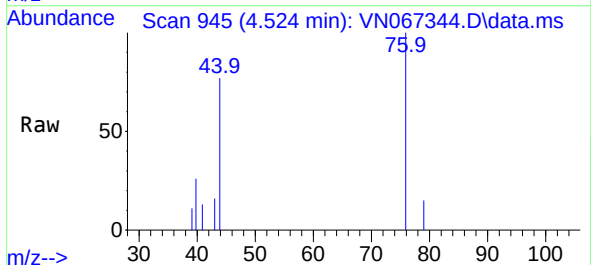
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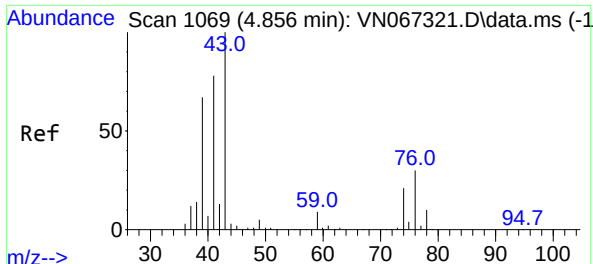
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#17
Carbon Disulfide
Concen: 0.281 ug/l
RT: 4.524 min Scan# 945
Delta R.T. 0.003 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11

Tgt Ion: 76 Resp: 3690
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#





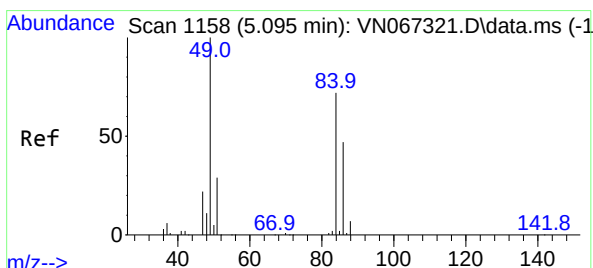
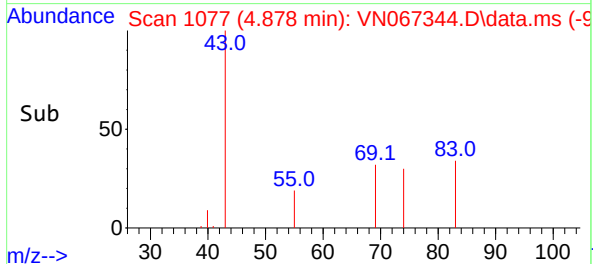
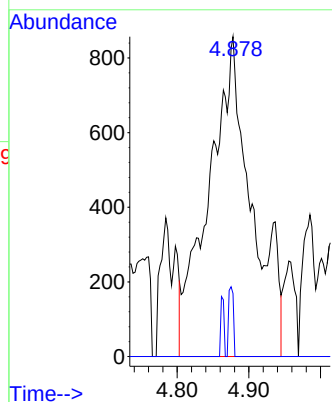
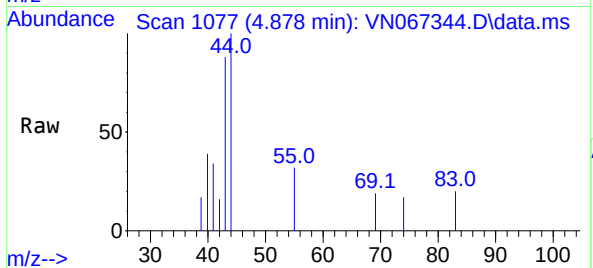
#18
Methyl Acetate
Concen: 0.574 ug/l m
RT: 4.878 min Scan# 1077
Delta R.T. 0.022 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11

Tgt Ion: 43 Resp: 3572
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#

Instrument :
MSVOA_N
ClientSampleId :
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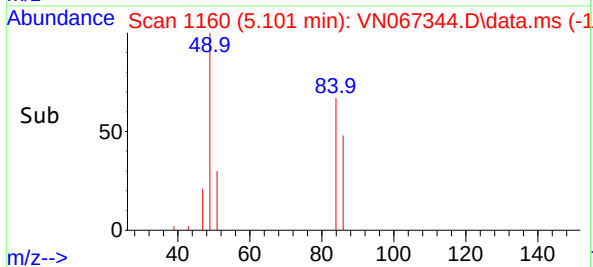
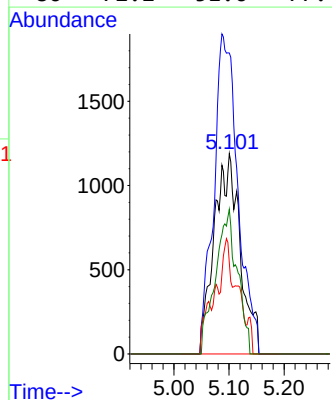
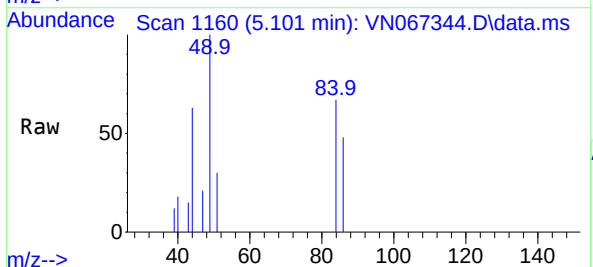
Manual Integrations
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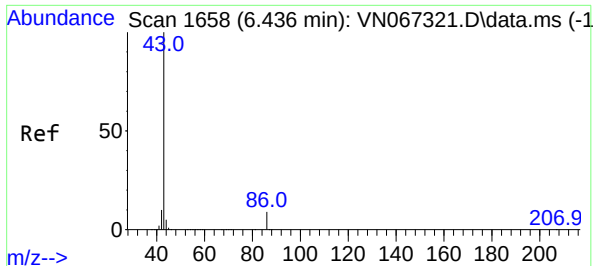
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#20
Methylene Chloride
Concen: 0.729 ug/l m
RT: 5.101 min Scan# 1160
Delta R.T. 0.006 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11

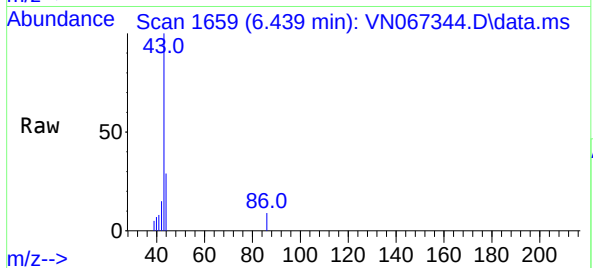
Tgt Ion: 84 Resp: 3890
Ion Ratio Lower Upper
84 100
49 150.3 110.9 166.3
51 45.5 32.6 49.0
86 72.2 51.6 77.4





#23
 Vinyl Acetate
 Concen: 0.814 ug/l
 RT: 6.439 min Scan# 1659
 Delta R.T. 0.003 min
 Lab File: VN067344.D
 Acq: 15 Jun 2021 14:11

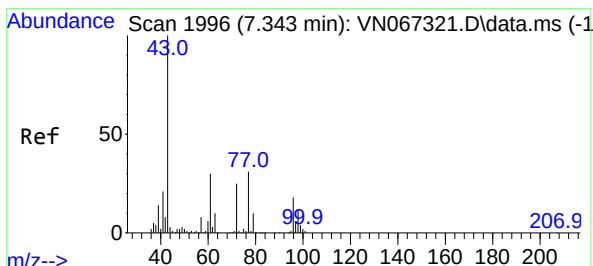
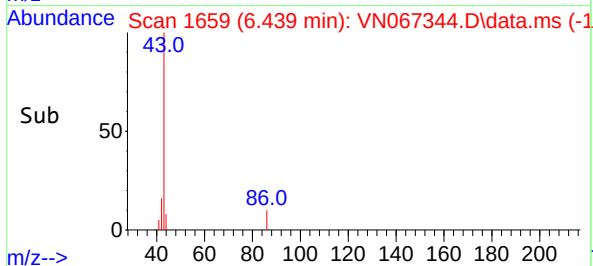
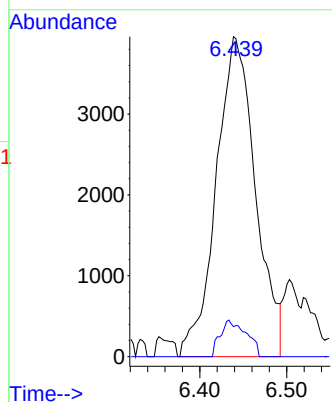
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2021DL



Tgt Ion: 43 Resp: 12411
 Ion Ratio Lower Upper
 43 100
 86 9.4 7.3 10.9

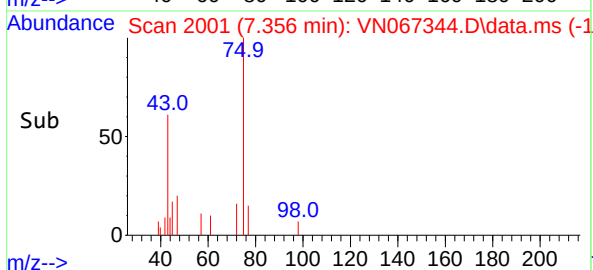
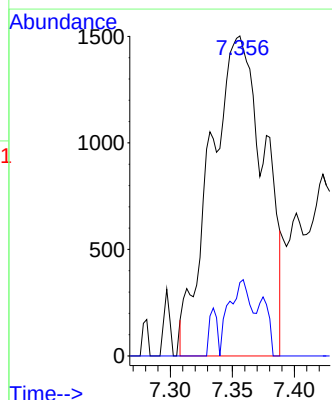
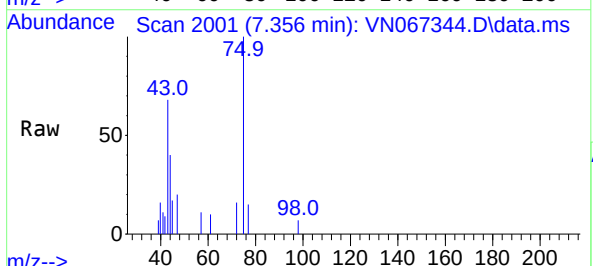
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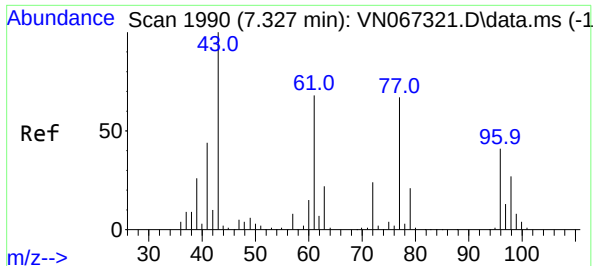
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#25
 2-Butanone
 Concen: 1.239 ug/l m
 RT: 7.356 min Scan# 2001
 Delta R.T. 0.013 min
 Lab File: VN067344.D
 Acq: 15 Jun 2021 14:11

Tgt Ion: 43 Resp: 4542
 Ion Ratio Lower Upper
 43 100
 72 23.0 19.7 29.5





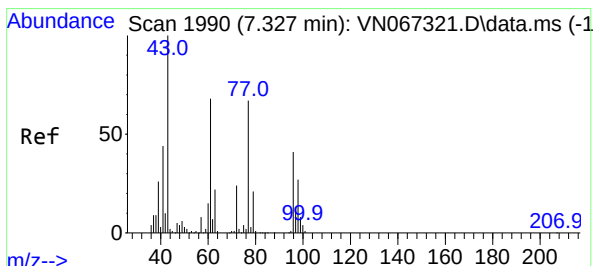
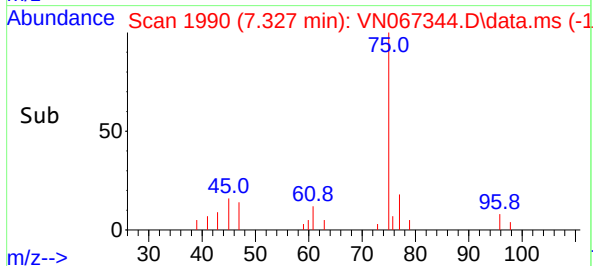
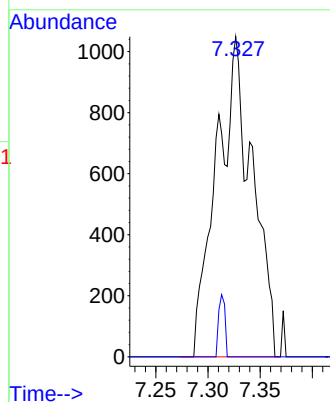
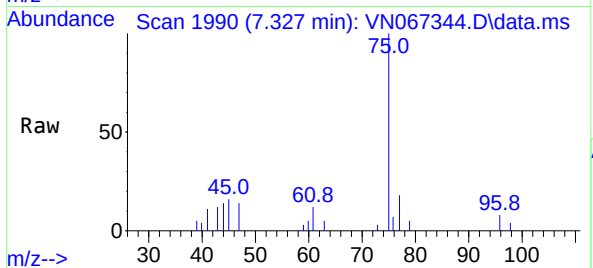
#26
2,2-Dichloropropane
Concen: 0.264 ug/l m
RT: 7.327 min Scan# 1990
Delta R.T. -0.000 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11

Tgt Ion: 77 Resp: 2496
Ion Ratio Lower Upper
77 100
97 0.0 9.8 29.3#

Instrument :
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ClientSampleId :
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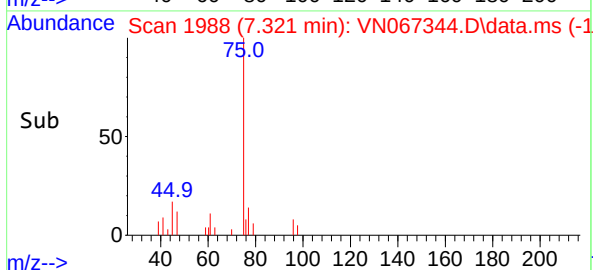
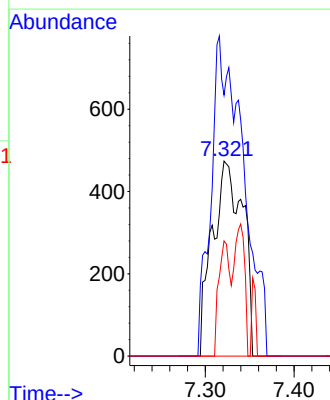
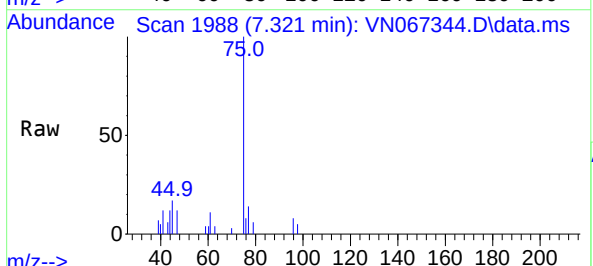
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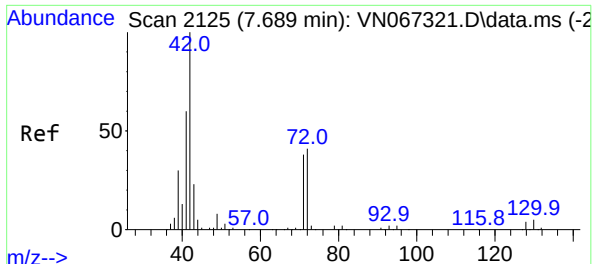
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#27
cis-1,2-Dichloroethene
Concen: 0.214 ug/l m
RT: 7.321 min Scan# 1988
Delta R.T. -0.006 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11

Tgt Ion: 96 Resp: 1132
Ion Ratio Lower Upper
96 100
61 71.9 0.0 338.8
98 21.7 0.0 129.8





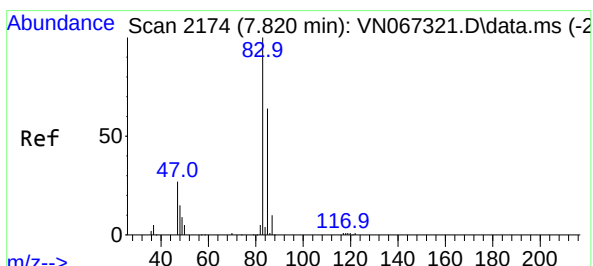
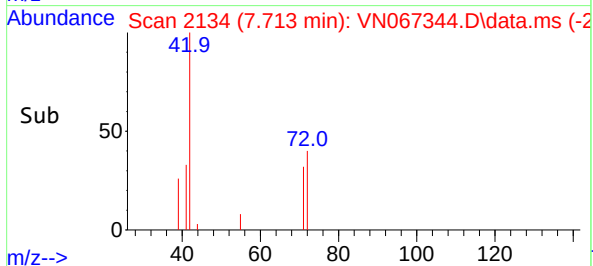
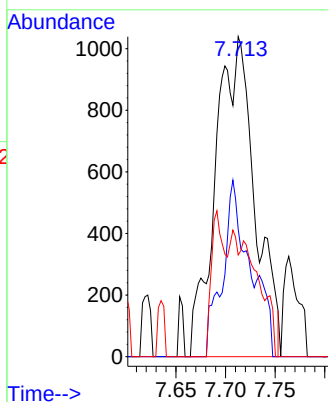
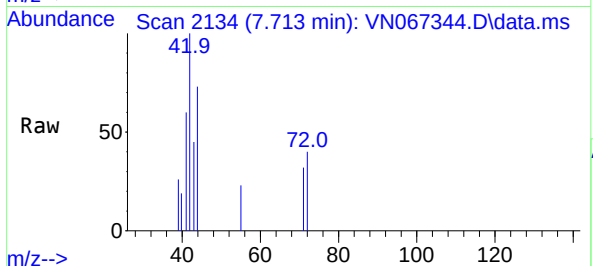
#29
Tetrahydrofuran
Concen: 1.269 ug/l m
RT: 7.713 min Scan# 2134
Delta R.T. 0.024 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11

Tgt Ion: 42 Resp: 2933
Ion Ratio Lower Upper
42 100
72 31.0 32.8 49.2#
71 15.5 31.2 46.8#

Instrument :
MSVOA_N
ClientSampleId :
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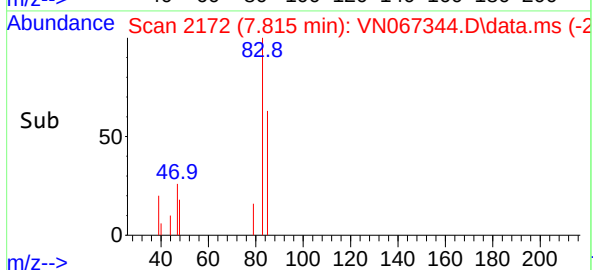
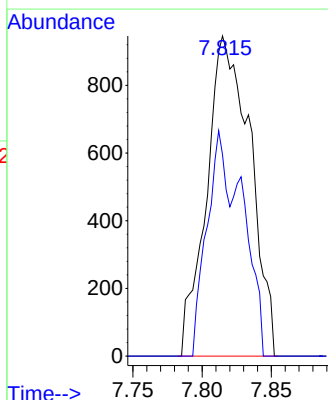
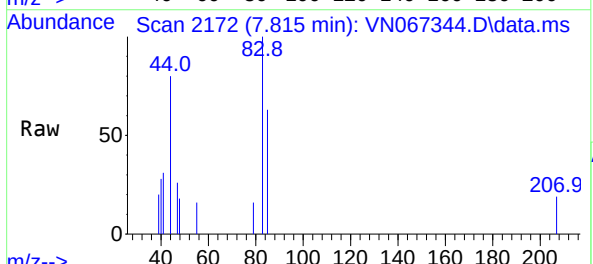
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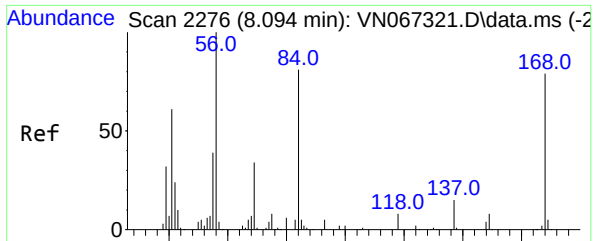
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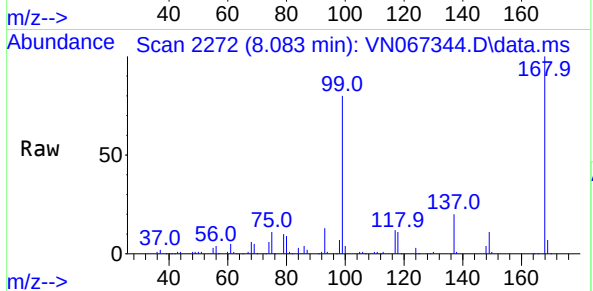
#30
Chloroform
Concen: 0.212 ug/l
RT: 7.815 min Scan# 2172
Delta R.T. -0.005 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11

Tgt Ion: 83 Resp: 2074
Ion Ratio Lower Upper
83 100
85 62.9 51.5 77.3

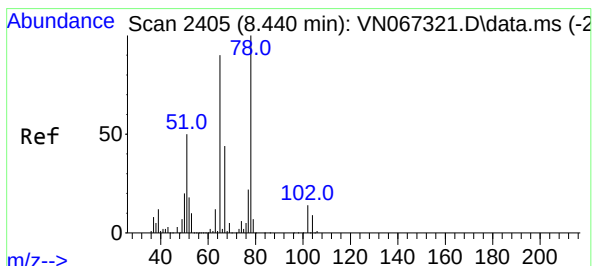
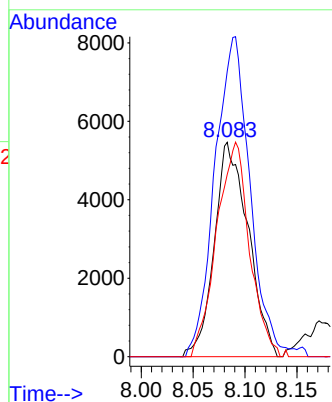
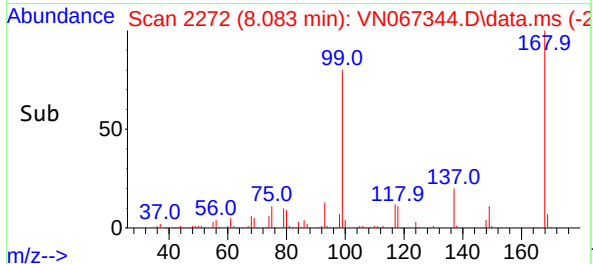




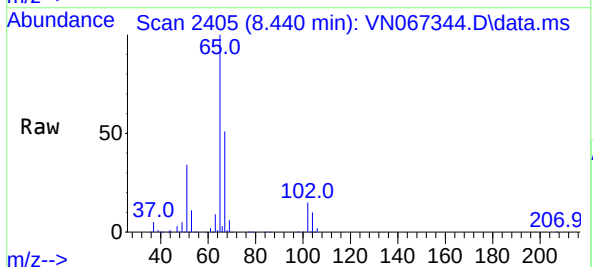
#31
Cyclohexane
Concen: 1.367 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.011 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11



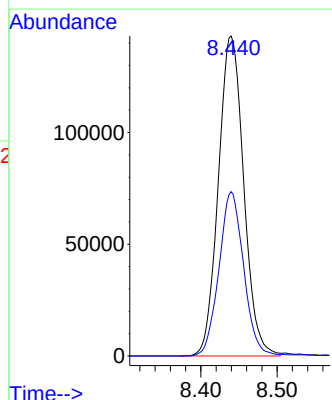
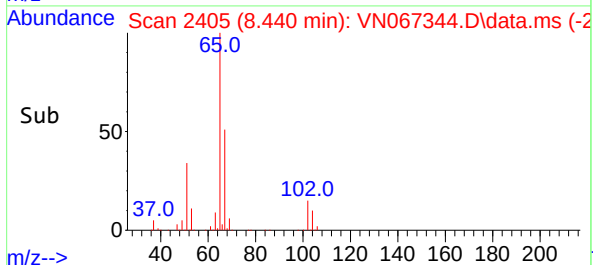
Tgt Ion: 56 Resp: 12418
Ion Ratio Lower Upper
56 100
69 133.1 27.3 40.9#
84 85.0 64.9 97.3



#33
1,2-Dichloroethane-d4
Concen: 49.435 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11



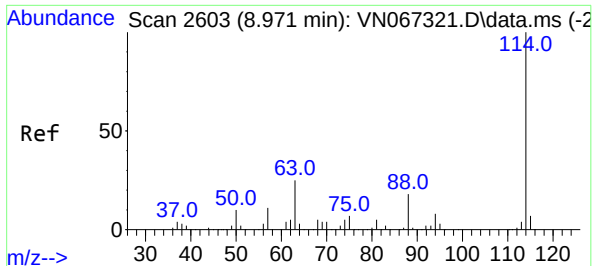
Tgt Ion: 65 Resp: 330437
Ion Ratio Lower Upper
65 100
67 50.0 0.0 98.6



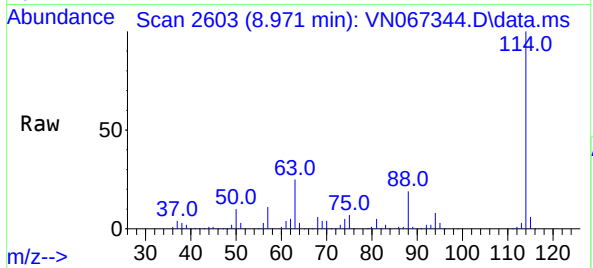
Instrument :
MSVOA_N
ClientSampleId :
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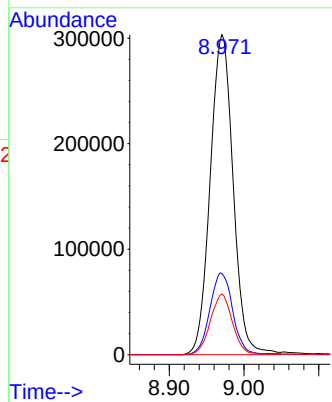
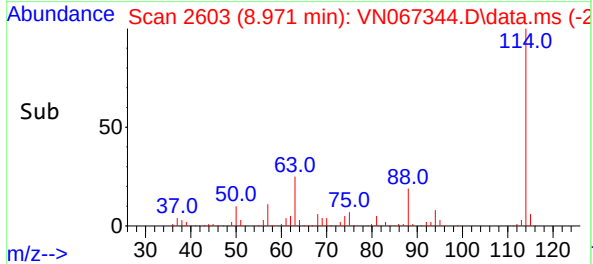
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#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.000 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11



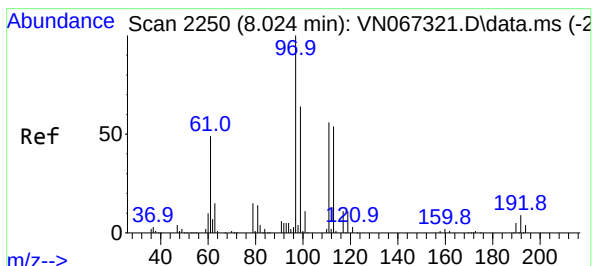
Tgt Ion:114 Resp: 646583
Ion Ratio Lower Upper
114 100
63 25.4 0.0 49.0
88 19.0 0.0 36.6



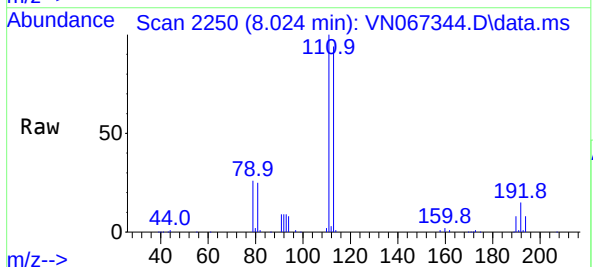
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2021DL

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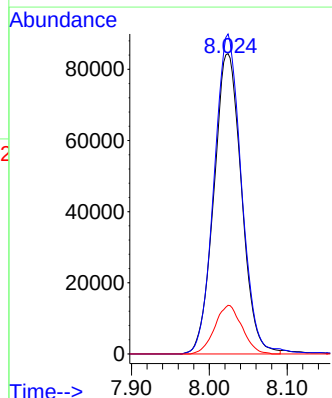
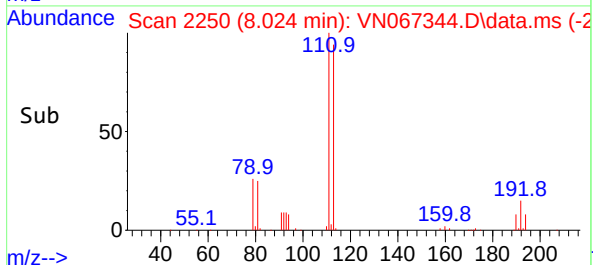
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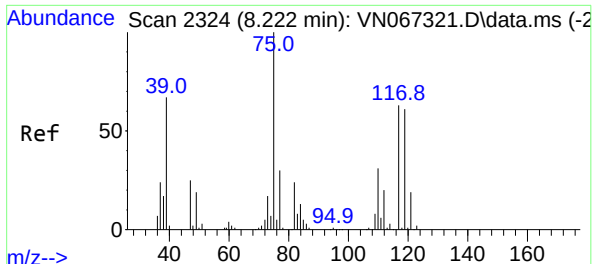


#35
Dibromofluoromethane
Concen: 48.227 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11



Tgt Ion:113 Resp: 207391
Ion Ratio Lower Upper
113 100
111 105.6 83.8 125.8
192 16.0 13.4 20.0





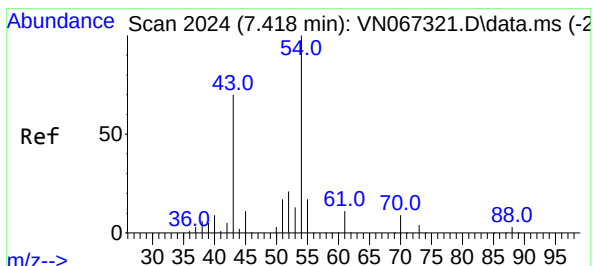
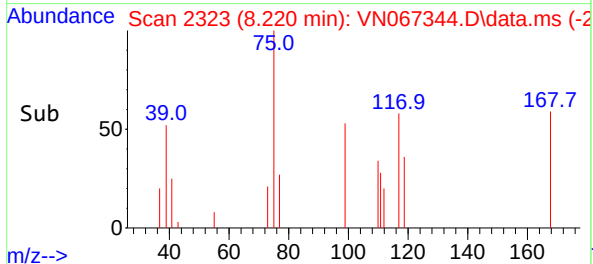
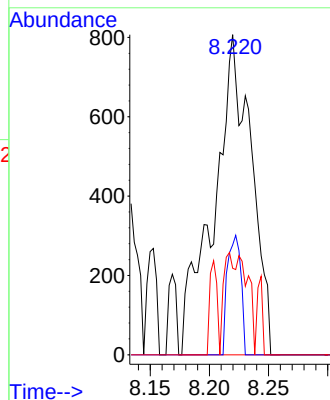
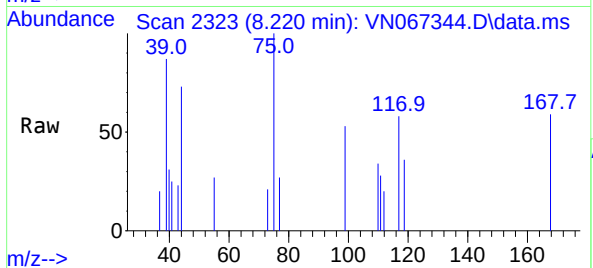
#36
1,1-Dichloropropene
Concen: 0.246 ug/l m
RT: 8.220 min Scan# 2323
Delta R.T. -0.002 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11

Tgt Ion: 75 Resp: 1784
Ion Ratio Lower Upper
75 100
110 188.6 15.7 47.0#
77 3.0 24.6 37.0#

Instrument :
MSVOA_N
ClientSampleId :
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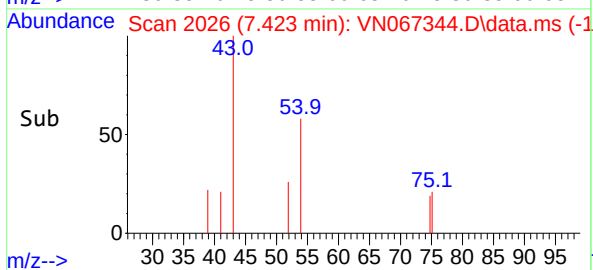
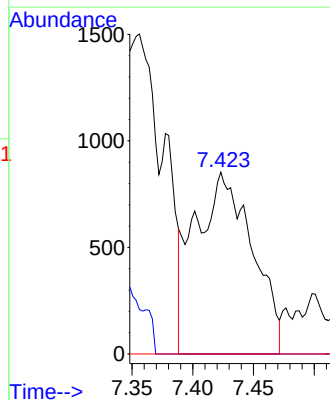
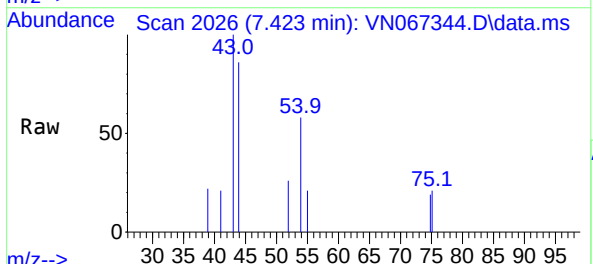
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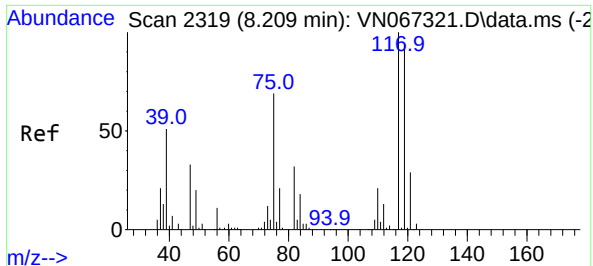
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#37
Ethyl Acetate
Concen: 0.366 ug/l m
RT: 7.423 min Scan# 2026
Delta R.T. 0.005 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11

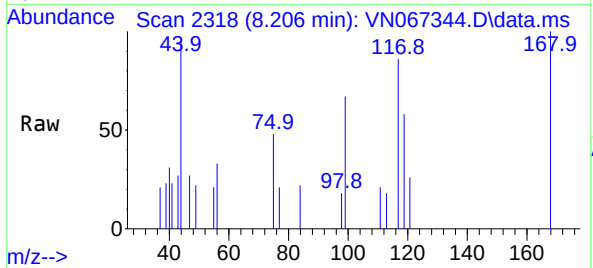
Tgt Ion: 43 Resp: 2807
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.1 12.1#





#38
Carbon Tetrachloride
Concen: 0.220 ug/l m
RT: 8.206 min Scan# 2318
Delta R.T. -0.003 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11

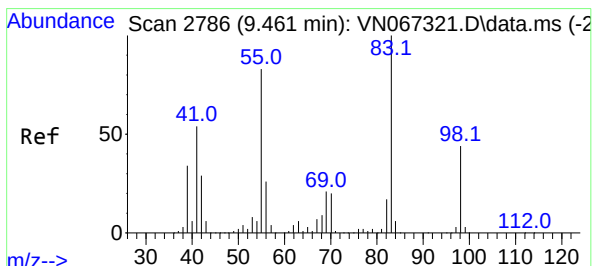
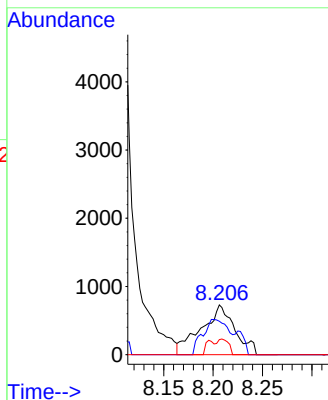
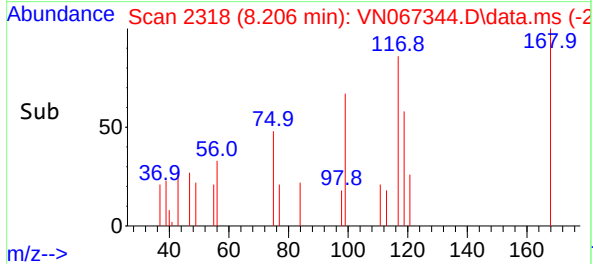
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2021DL



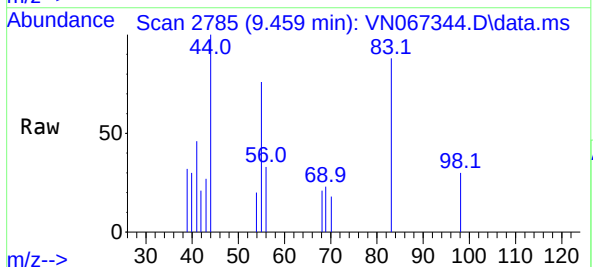
Tgt Ion: 117 Resp: 1714
Ion Ratio Lower Upper
117 100
119 67.2 75.4 113.2#
121 30.2 23.5 35.3

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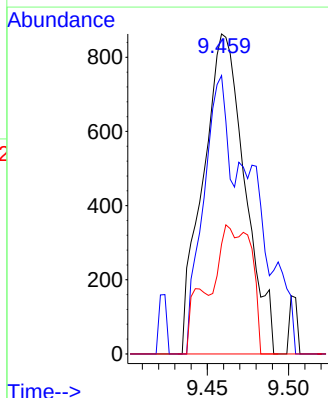
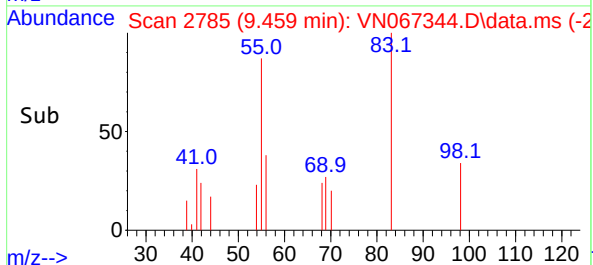
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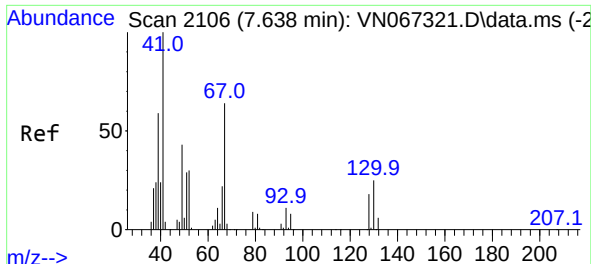


#39
Methylcyclohexane
Concen: 0.202 ug/l
RT: 9.459 min Scan# 2785
Delta R.T. -0.002 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11



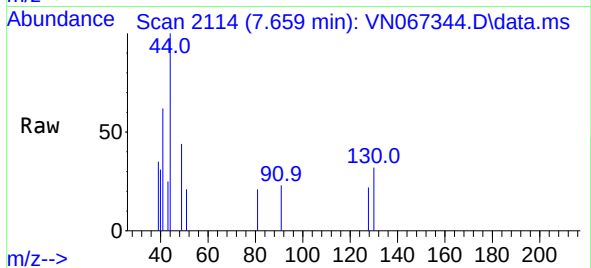
Tgt Ion: 83 Resp: 1550
Ion Ratio Lower Upper
83 100
55 87.0 66.6 99.8
98 34.3 35.3 52.9#





#41
Methacrylonitrile
Concen: 0.381 ug/l m
RT: 7.659 min Scan# 2114
Delta R.T. 0.021 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11

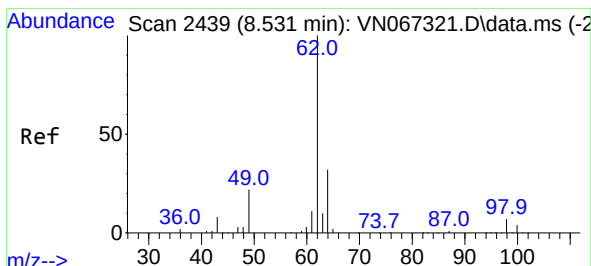
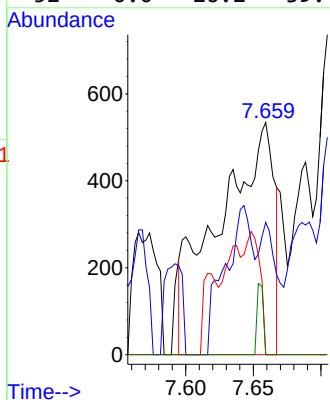
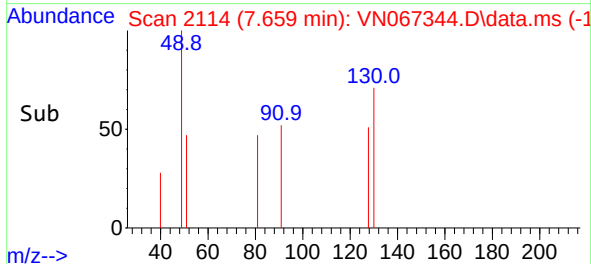
Instrument :
MSVOA_N
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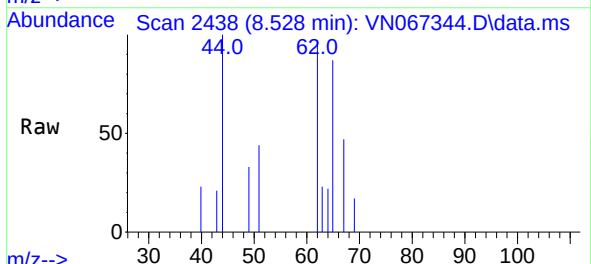
Tgt Ion:	41	Resp:	1521
Ion	Ratio	Lower	Upper
41	100		
39	32.3	47.6	71.4#
67	5.4	57.7	86.5#
52	0.0	26.2	39.4#

Manual Integrations
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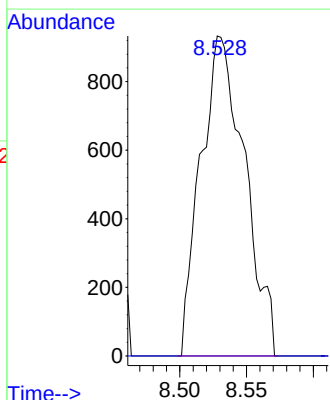
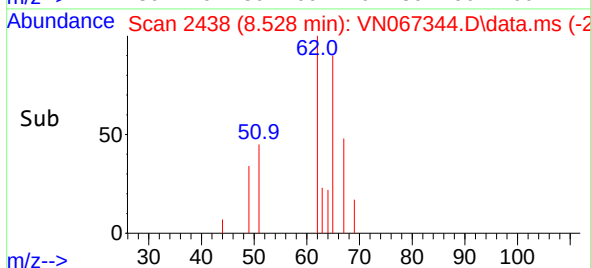
MMDadoda
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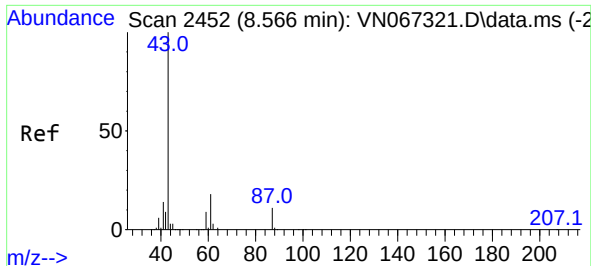


#42
1,2-Dichloroethane
Concen: 0.250 ug/l
RT: 8.528 min Scan# 2438
Delta R.T. -0.003 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11



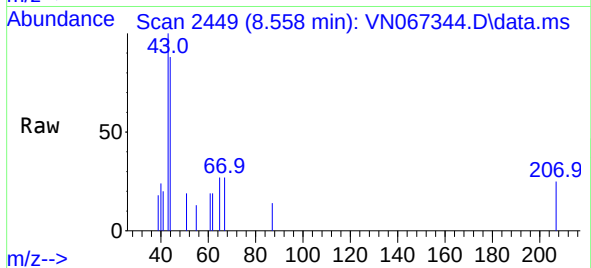
Tgt Ion:	62	Resp:	2138
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	14.2





#43
Isopropyl Acetate
Concen: 0.211 ug/l
RT: 8.558 min Scan# 2449
Delta R.T. -0.008 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11

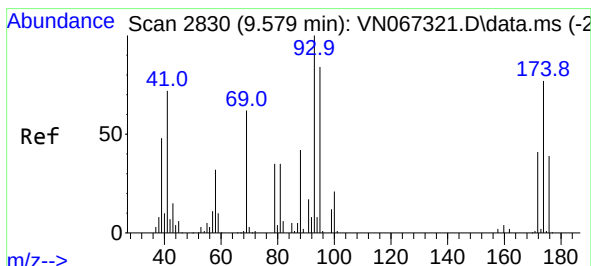
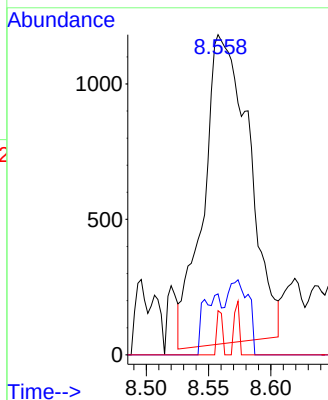
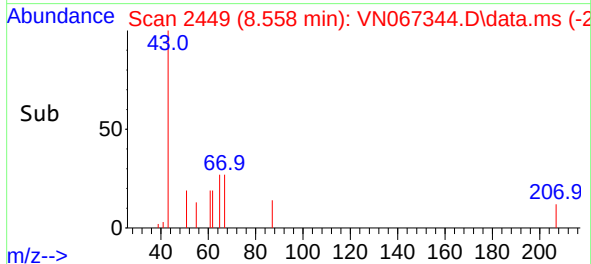
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2021DL



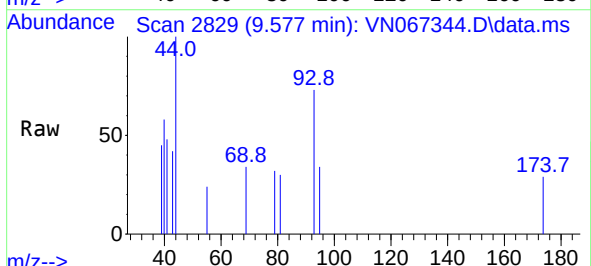
Tgt Ion: 43 Resp: 2909
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 1.8 9.5 14.3#

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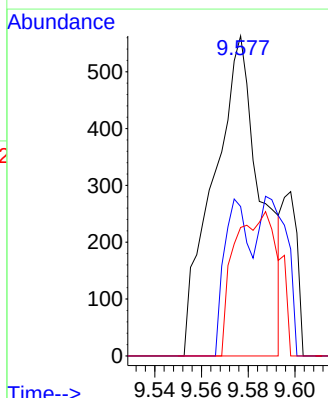
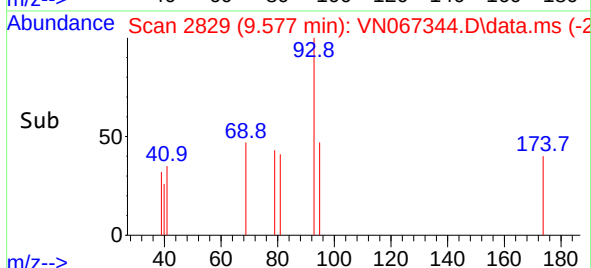
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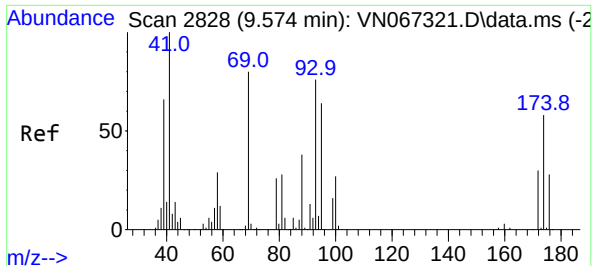


#46
Dibromomethane
Concen: 0.215 ug/l
RT: 9.577 min Scan# 2829
Delta R.T. -0.002 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11



Tgt Ion: 93 Resp: 790
Ion Ratio Lower Upper
93 100
95 26.3 66.1 99.1#
174 0.0 61.0 91.4#





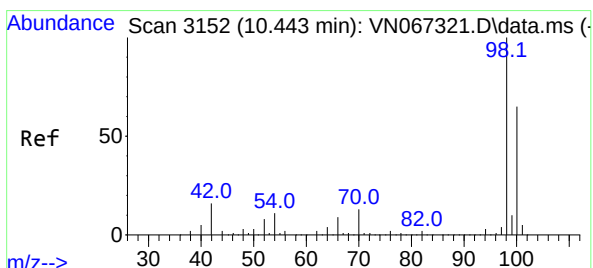
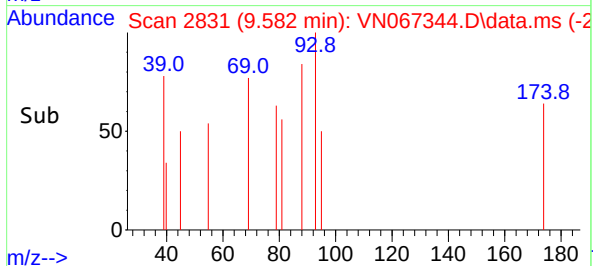
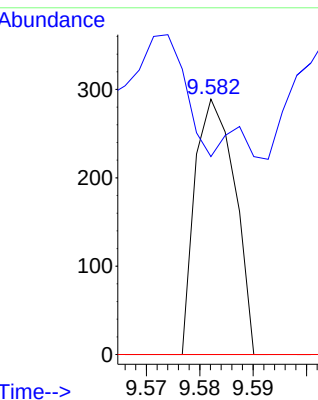
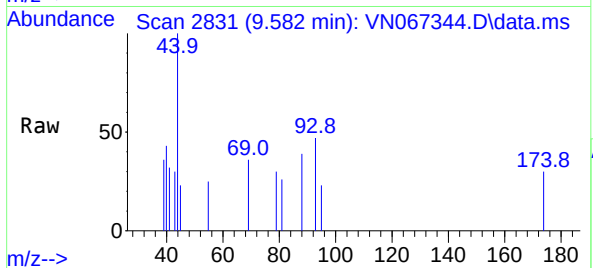
#49
1,4-Dioxane
Concen: 1.744 ug/l
RT: 9.582 min Scan# 2831
Delta R.T. 0.008 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11

Tgt Ion: 88 Resp: 150
Ion Ratio Lower Upper
88 100
43 0.0 28.8 43.2#
58 0.0 60.4 90.6#

Instrument :
MSVOA_N
ClientSampleId :
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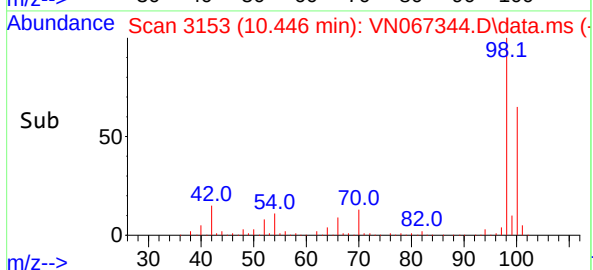
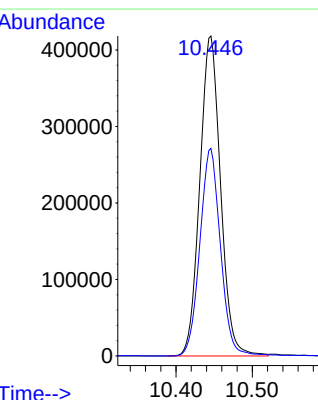
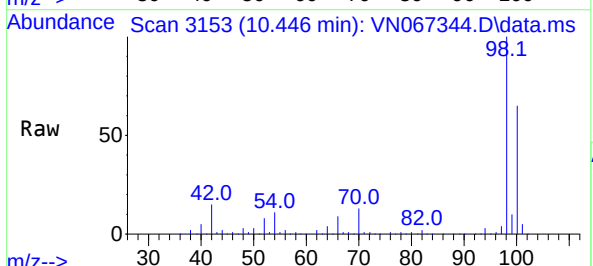
Manual Integrations
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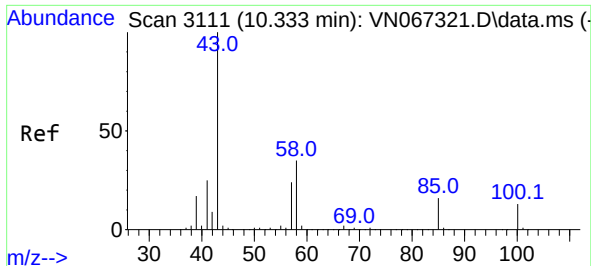
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#50
Toluene-d8
Concen: 48.002 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11

Tgt Ion: 98 Resp: 791189
Ion Ratio Lower Upper
98 100
100 64.3 51.7 77.5





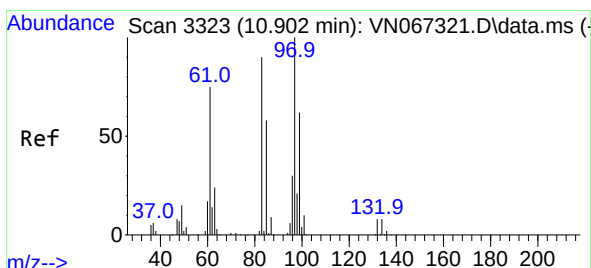
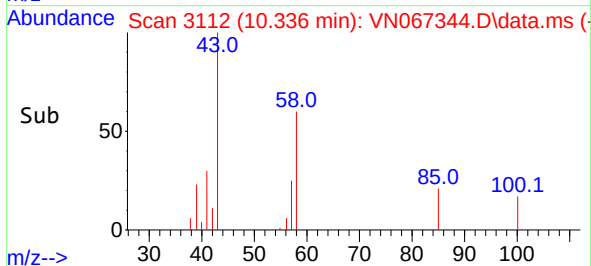
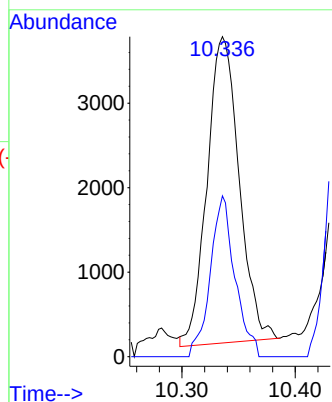
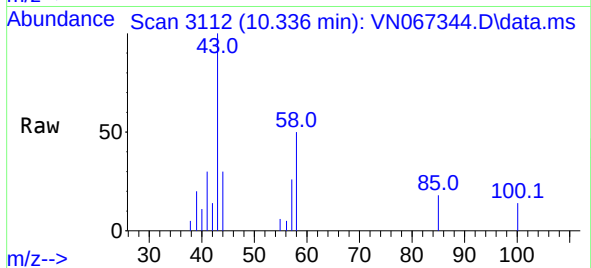
#51
4-Methyl-2-Pentanone
Concen: 0.896 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11

Tgt Ion: 43 Resp: 7114
Ion Ratio Lower Upper
43 100
58 40.3 28.6 43.0

Instrument :
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ClientSampleId :
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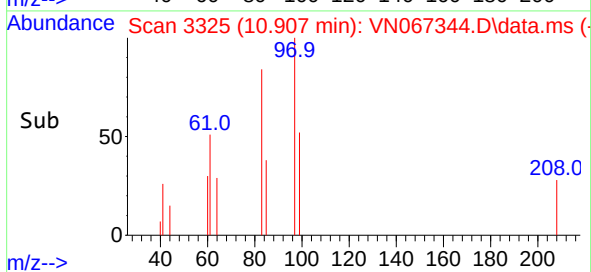
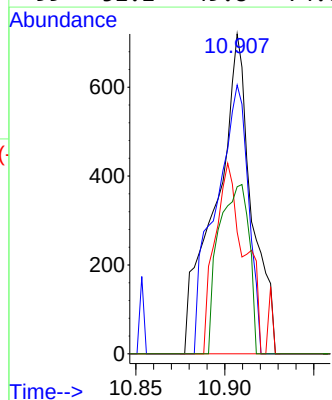
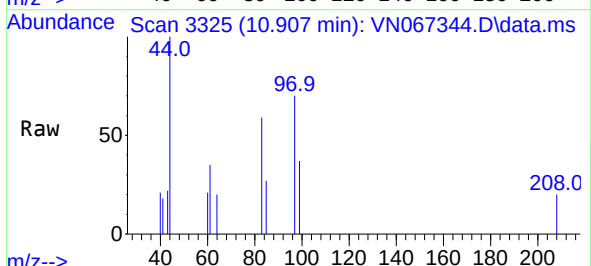
Manual Integrations
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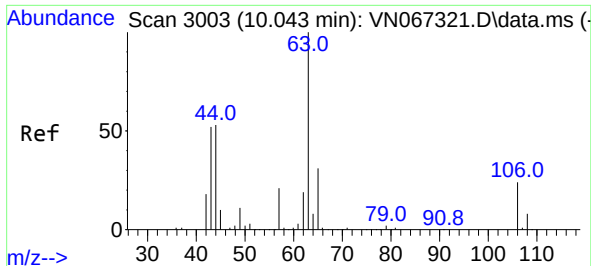
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#55
1,1,2-Trichloroethane
Concen: 0.203 ug/l
RT: 10.907 min Scan# 3325
Delta R.T. 0.005 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11

Tgt Ion: 97 Resp: 1000
Ion Ratio Lower Upper
97 100
83 84.0 72.0 108.0
85 38.1 46.8 70.2#
99 52.2 49.8 74.6





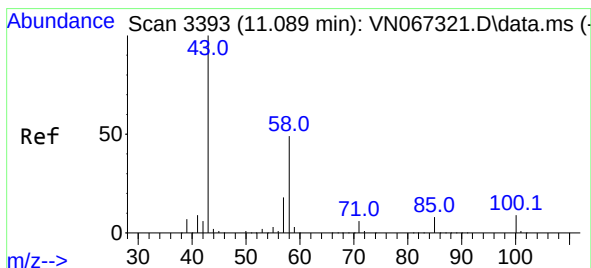
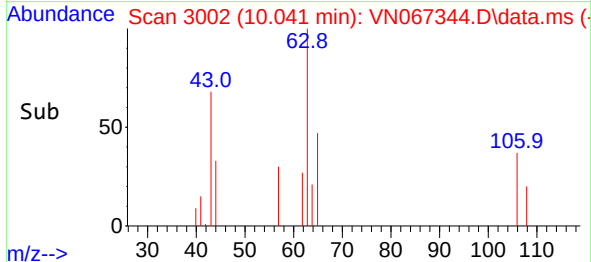
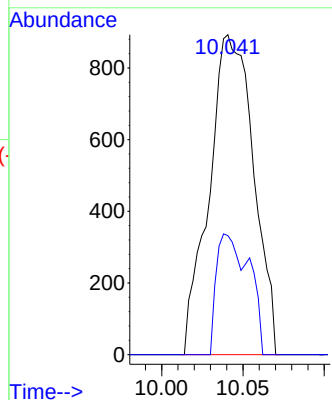
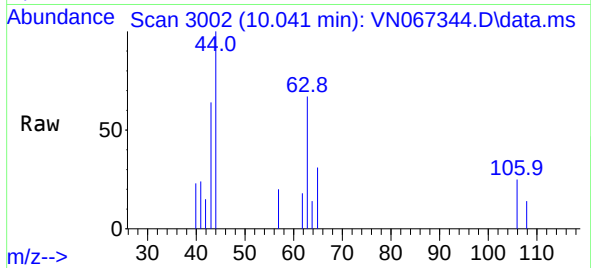
#58
2-Chloroethyl Vinyl ether
Concen: 0.660 ug/l
RT: 10.041 min Scan# 3002
Delta R.T. -0.002 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11

Tgt Ion: 63 Resp: 1699
Ion Ratio Lower Upper
63 100
106 18.9 19.8 29.8#

Instrument :
MSVOA_N
ClientSampleId :
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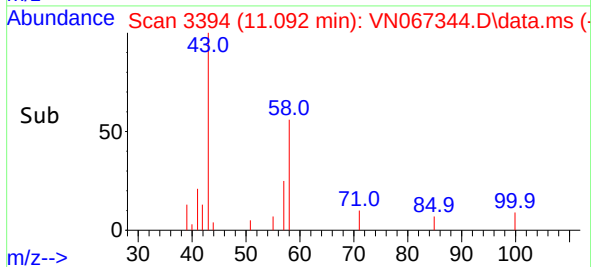
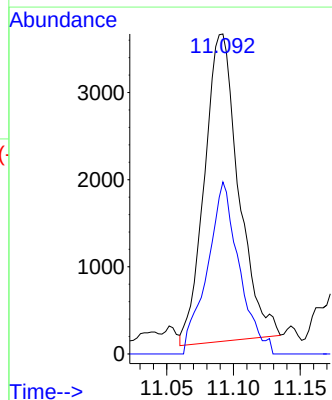
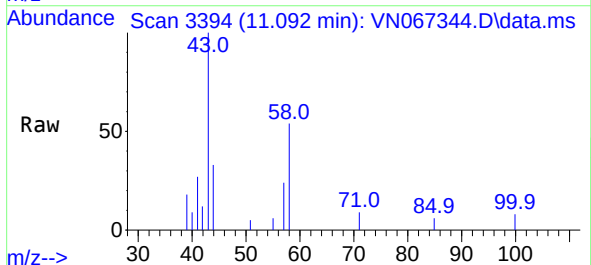
Manual Integrations
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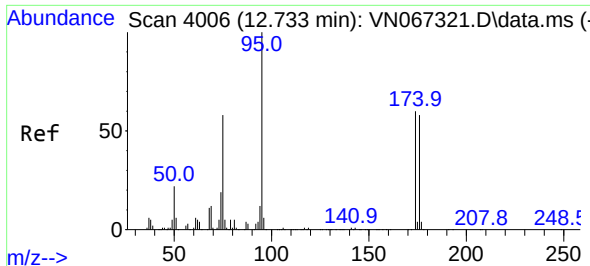
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#59
2-Hexanone
Concen: 1.081 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.003 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11

Tgt Ion: 43 Resp: 6287
Ion Ratio Lower Upper
43 100
58 51.9 24.7 74.1





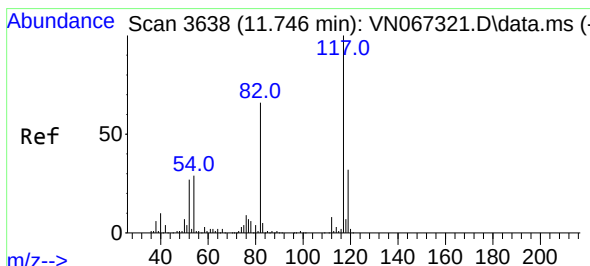
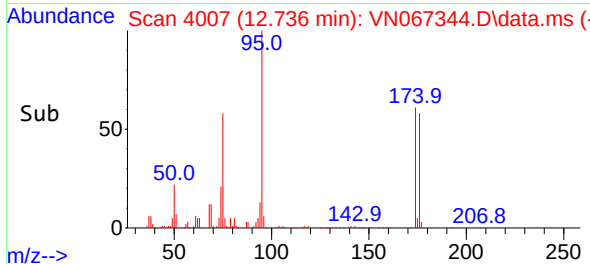
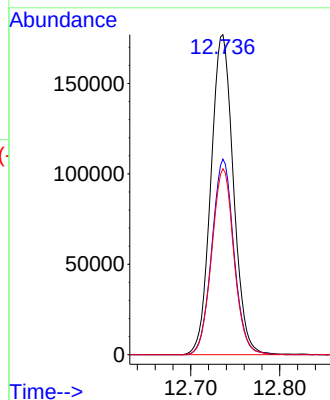
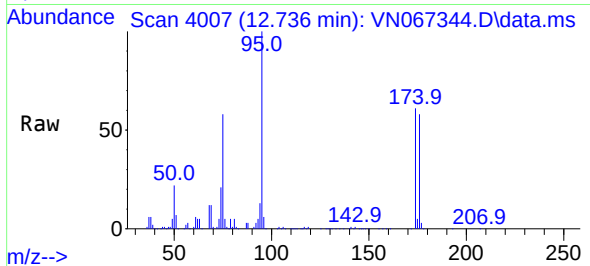
#62
4-Bromofluorobenzene
Concen: 45.708 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11

Tgt Ion: 95 Resp: 310907
Ion Ratio Lower Upper
95 100
174 60.0 0.0 122.0
176 57.5 0.0 117.6

Instrument :
MSVOA_N
ClientSampleId :
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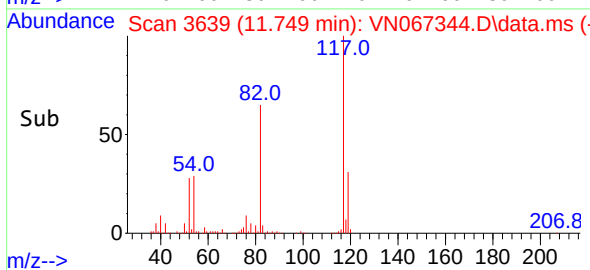
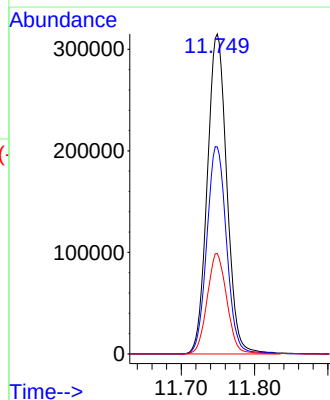
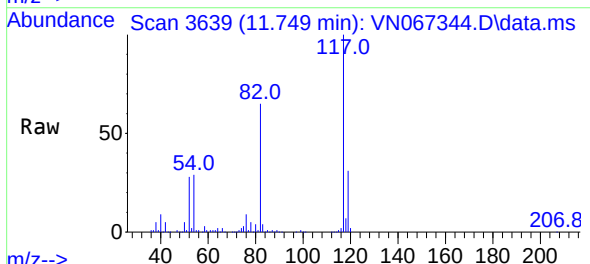
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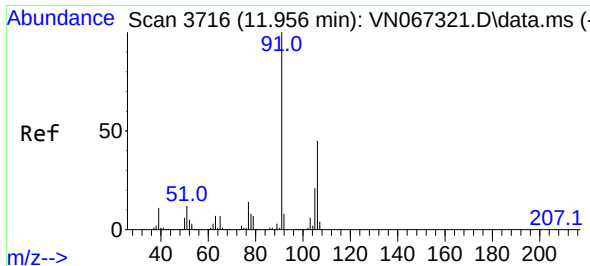
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11

Tgt Ion: 117 Resp: 583949
Ion Ratio Lower Upper
117 100
82 64.7 53.1 79.7
119 31.4 25.5 38.3





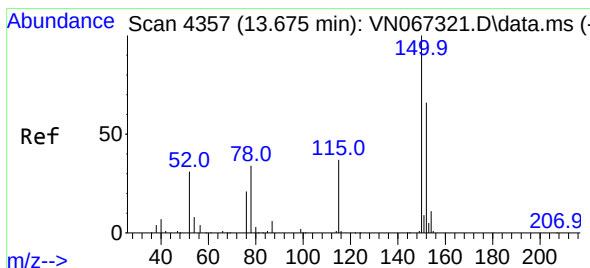
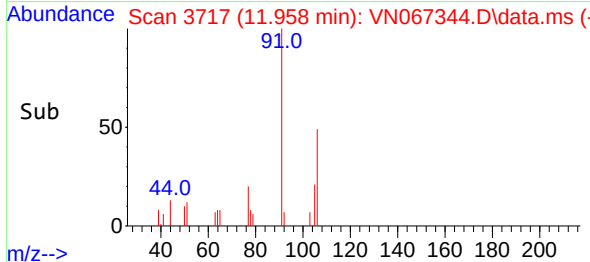
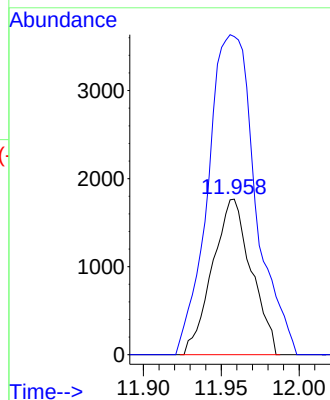
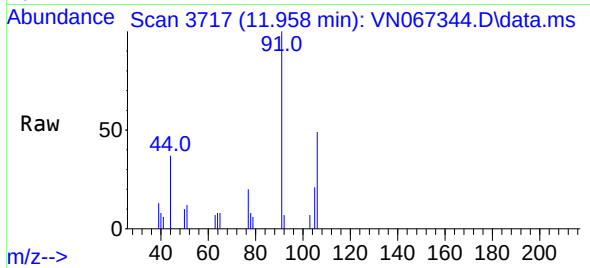
#68
m/p-Xylenes
Concen: 0.343 ug/l
RT: 11.958 min Scan# 3717
Delta R.T. 0.002 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11

Tgt Ion:106 Resp: 3067
Ion Ratio Lower Upper
106 100
91 252.1 180.6 270.8

Instrument :
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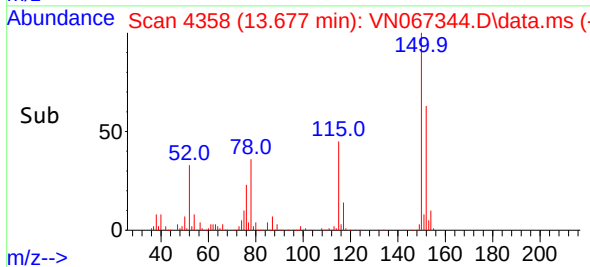
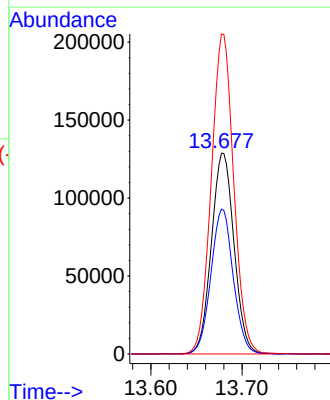
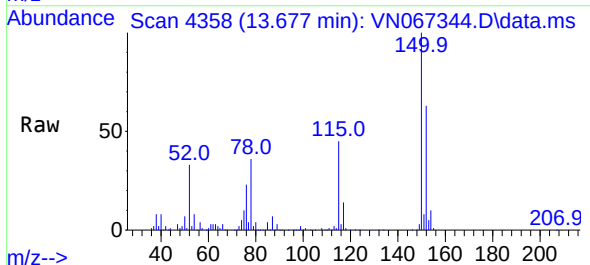
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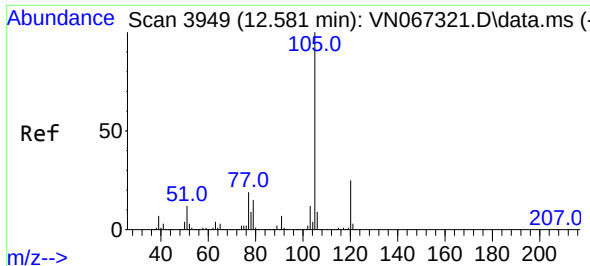
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11

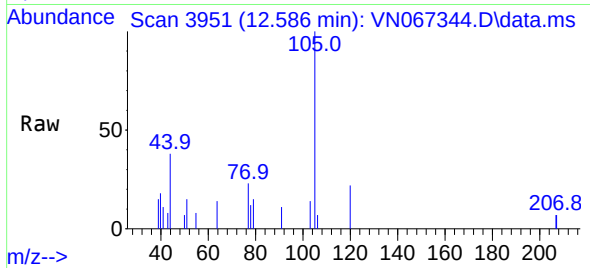
Tgt Ion:152 Resp: 221890
Ion Ratio Lower Upper
152 100
115 71.5 36.1 108.5
150 158.3 0.0 351.8





#73
Isopropylbenzene
Concen: 0.200 ug/l
RT: 12.586 min Scan# 3951
Delta R.T. 0.005 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11

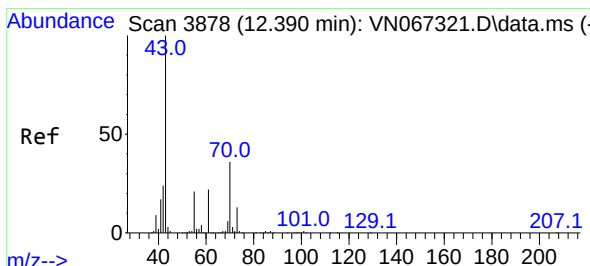
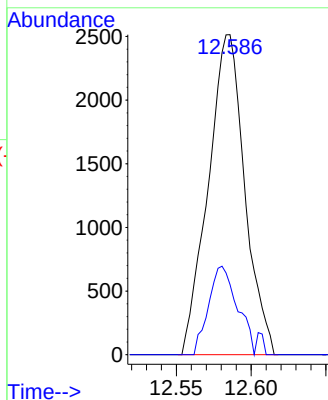
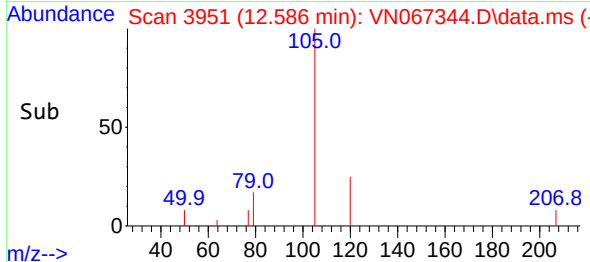
Instrument :
MSVOA_N
ClientSampleId :
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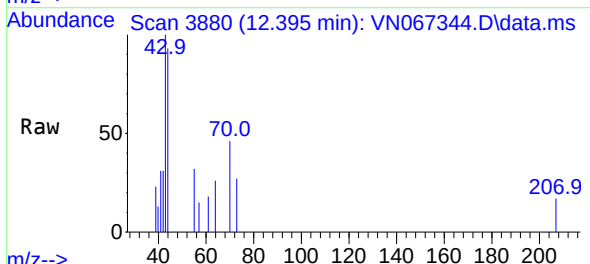
Tgt Ion: 105 Resp: 4267
Ion Ratio Lower Upper
105 100
120 21.9 12.5 37.5

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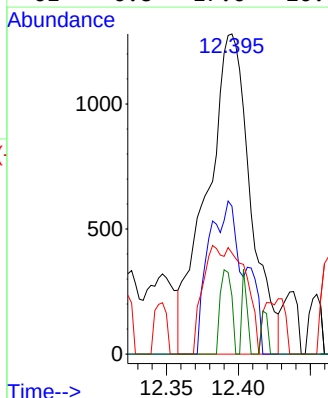
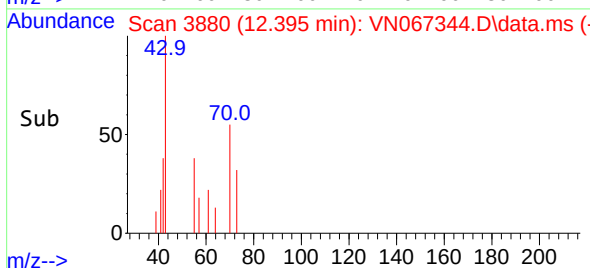
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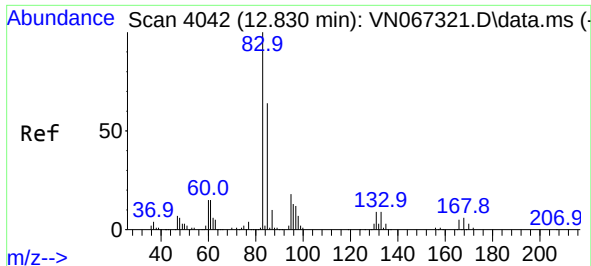


#74
N-amy1 acetate
Concen: 0.260 ug/l
RT: 12.395 min Scan# 3880
Delta R.T. 0.005 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11



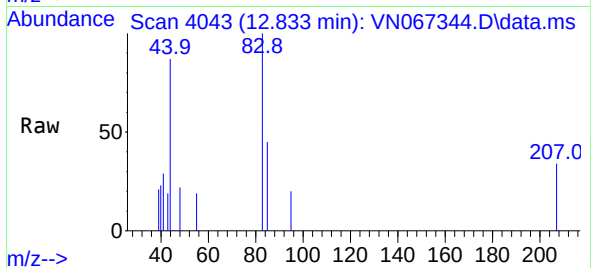
Tgt Ion: 43 Resp: 2699
Ion Ratio Lower Upper
43 100
70 32.4 29.4 44.2
55 16.6 17.0 25.4#
61 6.8 17.6 26.4#





#75
1,1,2,2-Tetrachloroethane
Concen: 0.244 ug/l
RT: 12.833 min Scan# 4043
Delta R.T. 0.003 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11

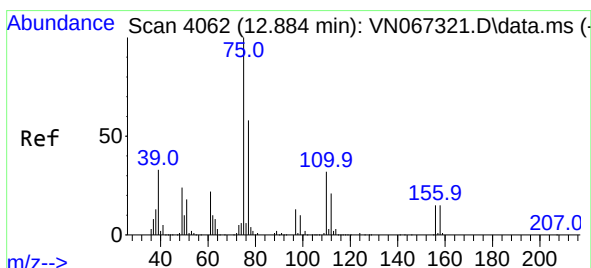
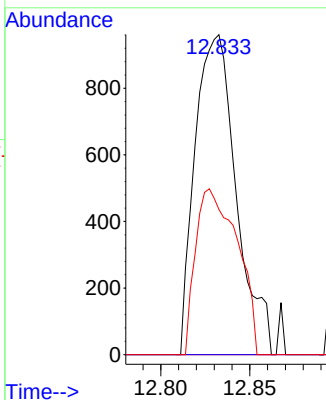
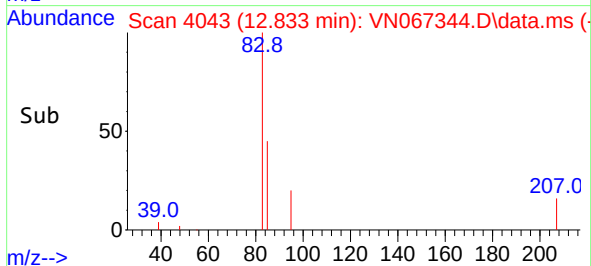
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2021DL



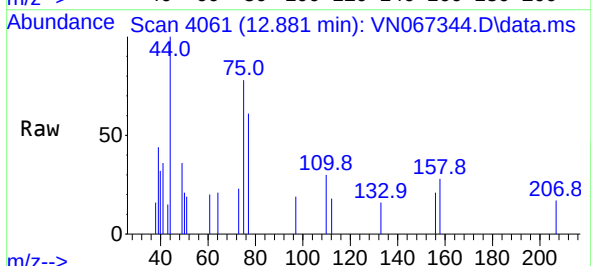
Tgt Ion: 83 Resp: 1550
Ion Ratio Lower Upper
83 100
131 0.0 4.8 14.4#
85 52.5 32.2 96.6

Manual Integrations
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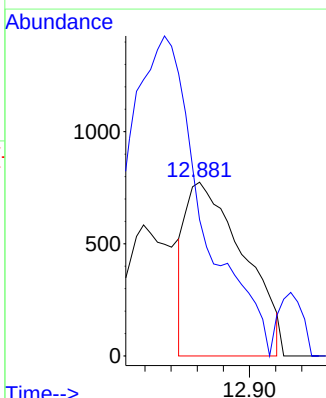
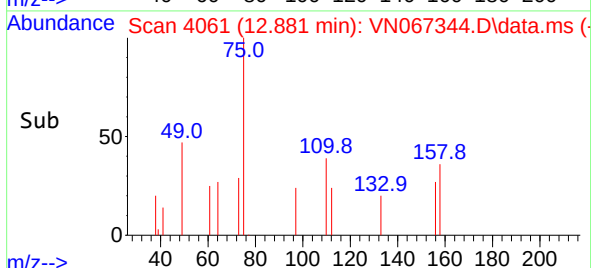
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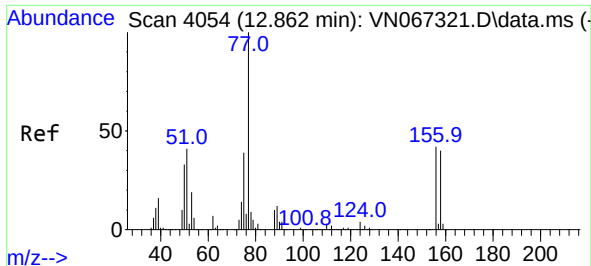


#76
1,2,3-Trichloropropane
Concen: 0.207 ug/l m
RT: 12.881 min Scan# 4061
Delta R.T. -0.003 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11



Tgt Ion: 75 Resp: 1193
Ion Ratio Lower Upper
75 100
77 126.8 0.0 0.0#





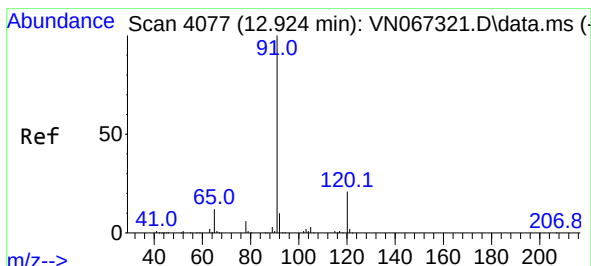
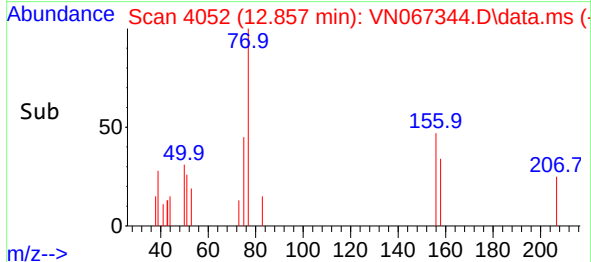
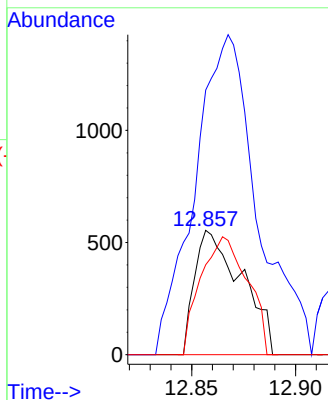
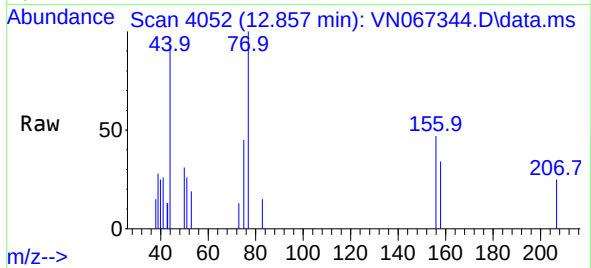
#77
Bromobenzene
Concen: 0.201 ug/l
RT: 12.857 min Scan# 4052
Delta R.T. -0.005 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11

Tgt Ion: 156 Resp: 872
Ion Ratio Lower Upper
156 100
77 342.9 136.2 408.6
158 94.4 48.4 145.3

Instrument :
MSVOA_N
ClientSampleId :
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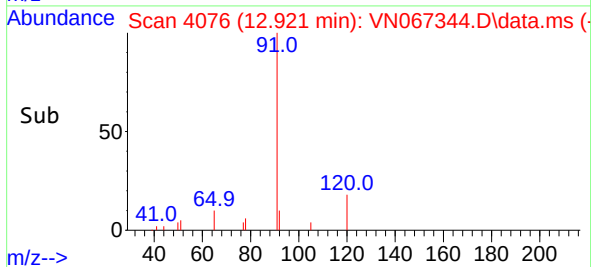
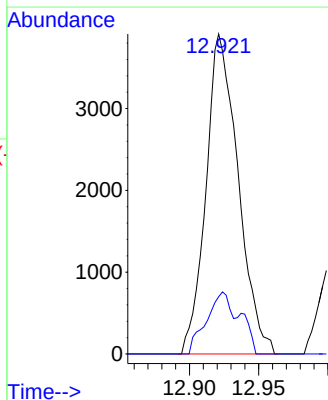
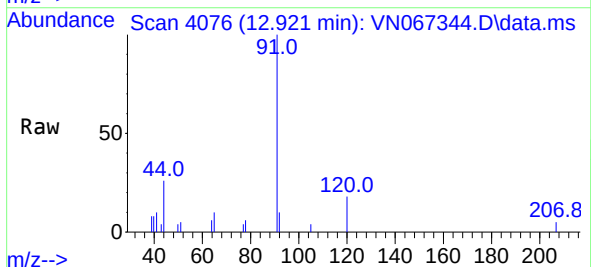
Manual Integrations
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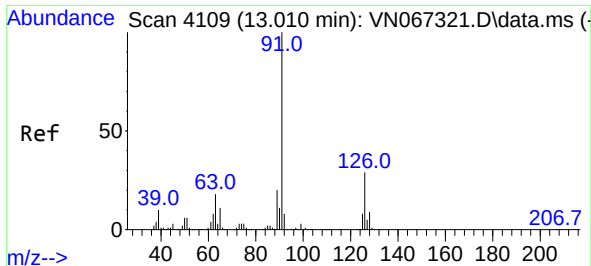
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#78
n-propylbenzene
Concen: 0.249 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. -0.003 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11

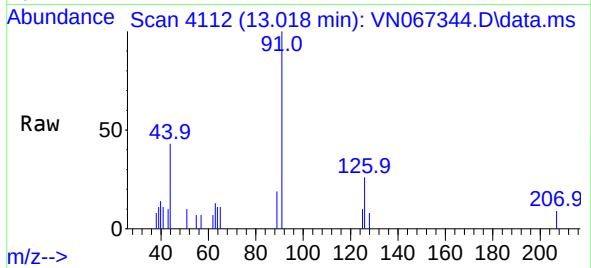
Tgt Ion: 91 Resp: 6315
Ion Ratio Lower Upper
91 100
120 16.0 10.4 31.4





#79
2-Chlorotoluene
Concen: 0.202 ug/l
RT: 13.018 min Scan# 4112
Delta R.T. 0.008 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11

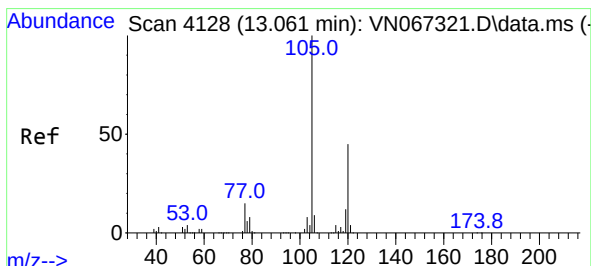
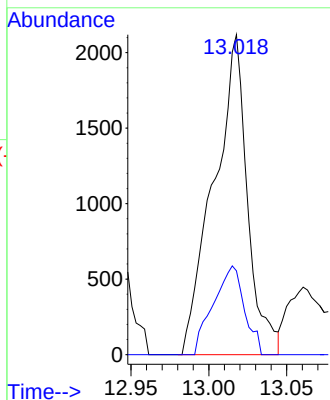
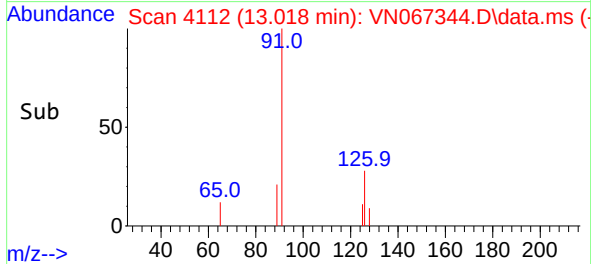
Instrument :
MSVOA_N
ClientSampleId :
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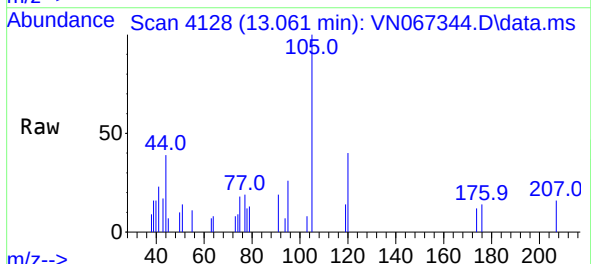
Tgt Ion: 91 Resp: 3191
Ion Ratio Lower Upper
91 100
126 25.6 14.5 43.5

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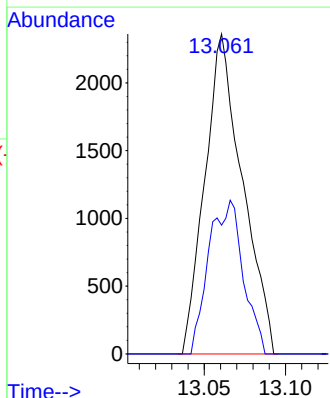
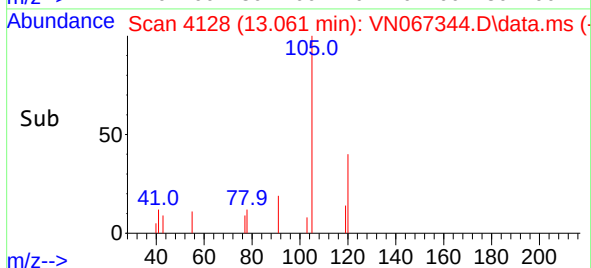
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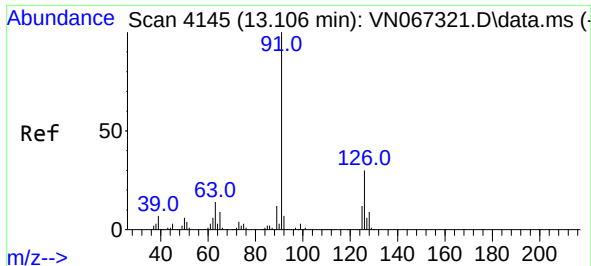


#80
1,3,5-Trimethylbenzene
Concen: 0.211 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. -0.000 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11



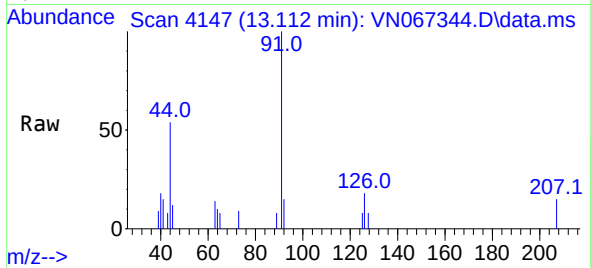
Tgt Ion: 105 Resp: 3788
Ion Ratio Lower Upper
105 100
120 44.0 22.2 66.6





#82
4-Chlorotoluene
Concen: 0.249 ug/l m
RT: 13.112 min Scan# 4147
Delta R.T. 0.006 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11

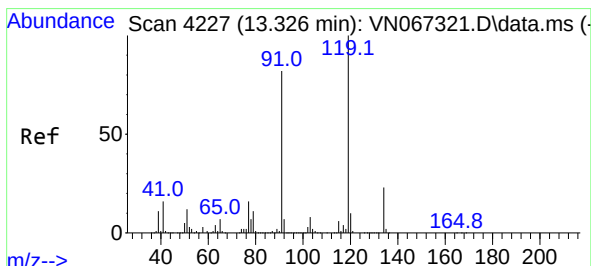
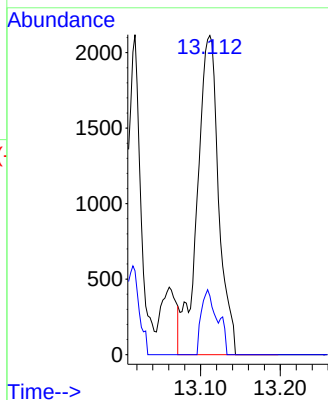
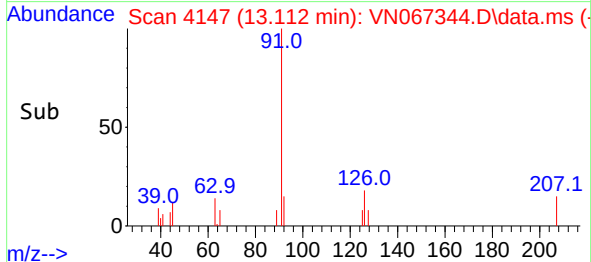
Instrument :
MSVOA_N
ClientSampleId :
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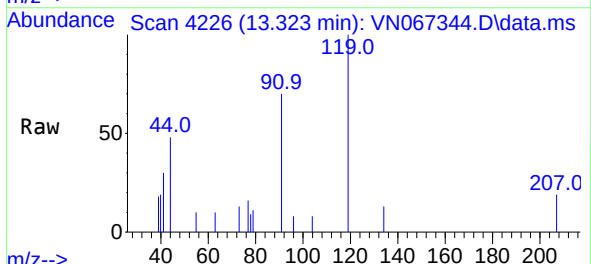
Tgt Ion: 91 Resp: 3917
Ion Ratio Lower Upper
91 100
126 20.9 14.8 44.4

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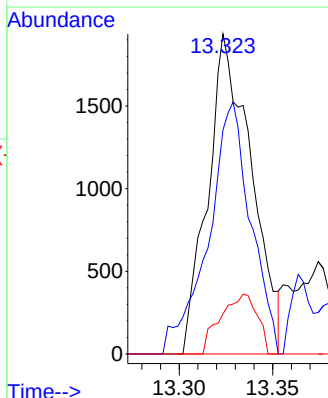
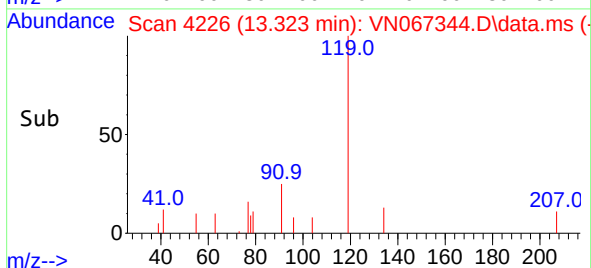
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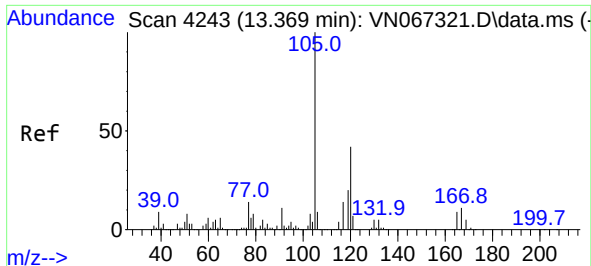


#83
tert-Butylbenzene
Concen: 0.219 ug/l
RT: 13.323 min Scan# 4226
Delta R.T. -0.003 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11



Tgt Ion: 119 Resp: 3128
Ion Ratio Lower Upper
119 100
91 76.6 39.5 118.5
134 15.8 12.0 36.0





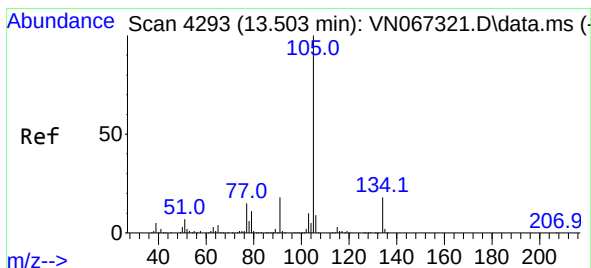
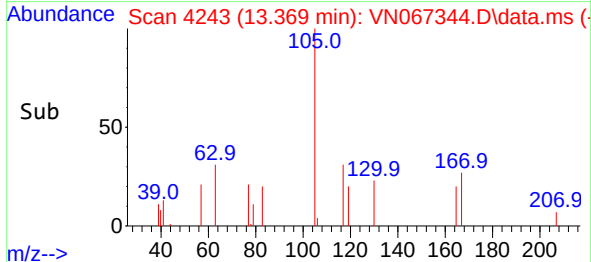
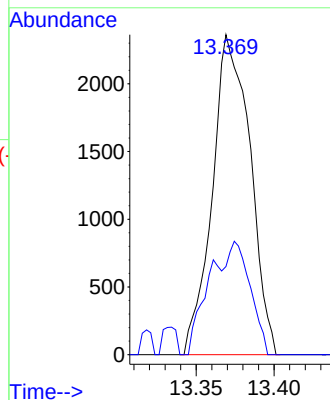
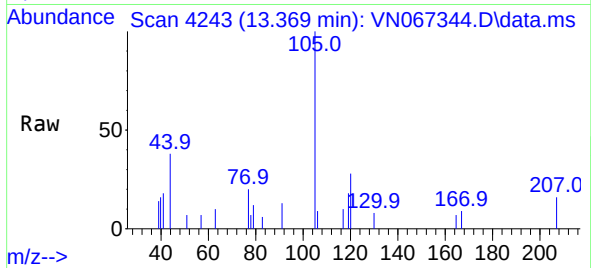
#84
1,2,4-Trimethylbenzene
Concen: 0.225 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.000 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11

Tgt Ion:105 Resp: 3984
Ion Ratio Lower Upper
105 100
120 20.0 20.6 61.8#

Instrument :
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ClientSampleId :
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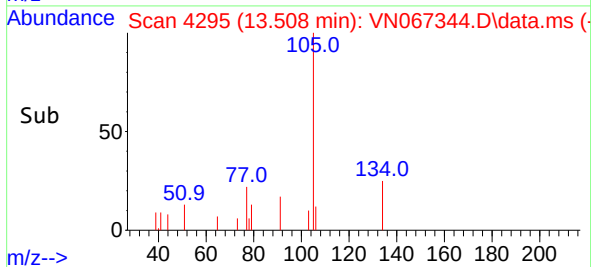
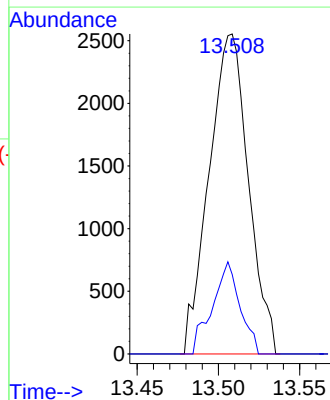
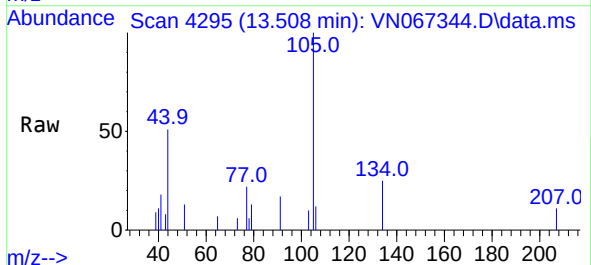
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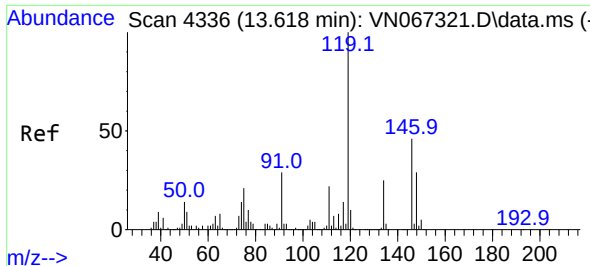
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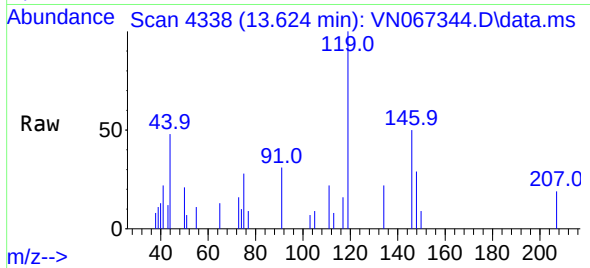
#85
sec-Butylbenzene
Concen: 0.213 ug/l
RT: 13.508 min Scan# 4295
Delta R.T. 0.005 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11

Tgt Ion:105 Resp: 4303
Ion Ratio Lower Upper
105 100
134 20.3 9.0 27.1

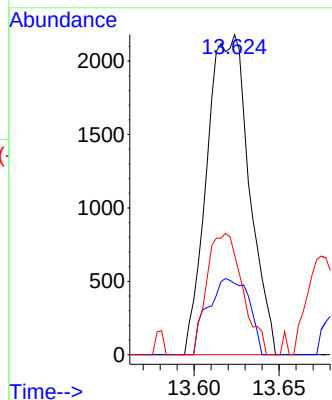




#86
p-Isopropyltoluene
Concen: 0.230 ug/l
RT: 13.624 min Scan# 4338
Delta R.T. 0.006 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11



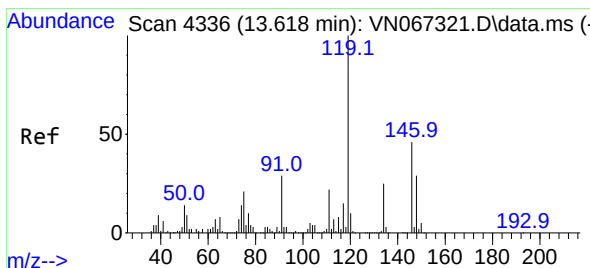
Tgt Ion:	119	Resp:	3756
Ion	Ratio	Lower	Upper
119	100		
134	23.0	12.4	37.4
91	32.1	14.8	44.3



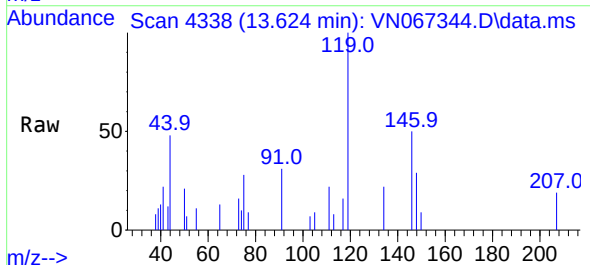
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2021DL

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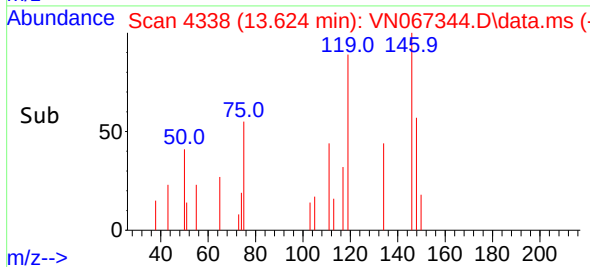
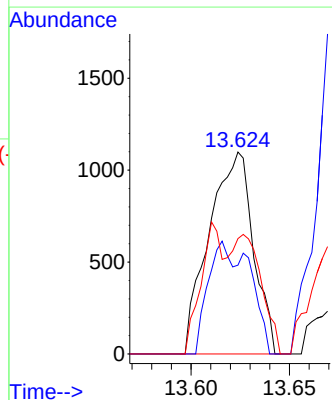
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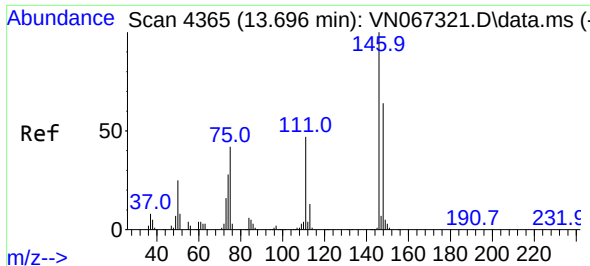


#87
1,3-Dichlorobenzene
Concen: 0.219 ug/l
RT: 13.624 min Scan# 4338
Delta R.T. 0.006 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11



Tgt Ion:	146	Resp:	1714
Ion	Ratio	Lower	Upper
146	100		
111	30.3	24.3	72.8
148	35.6	32.0	96.0





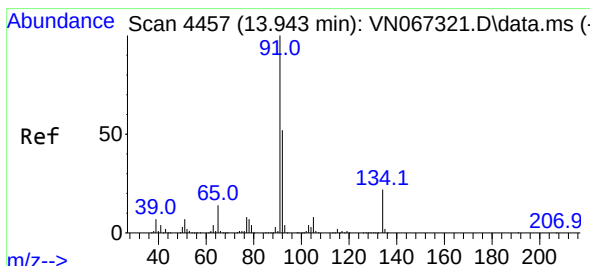
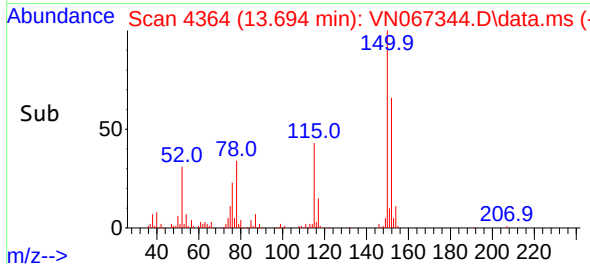
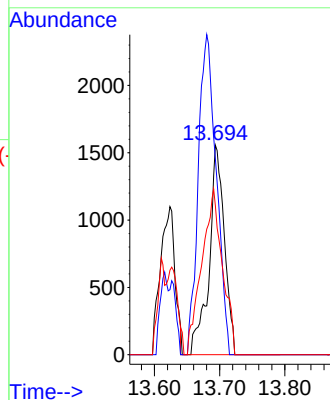
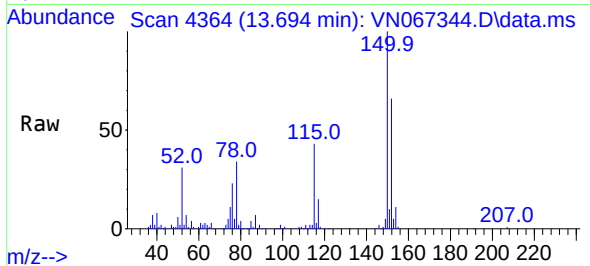
#88
1,4-Dichlorobenzene
Concen: 0.322 ug/l m
RT: 13.694 min Scan# 4364
Delta R.T. -0.002 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11

Tgt Ion: 146 Resp: 2534
Ion Ratio Lower Upper
146 100
111 20.5 23.4 70.2#
148 24.1 31.8 95.3#

Instrument :
MSVOA_N
ClientSampleId :
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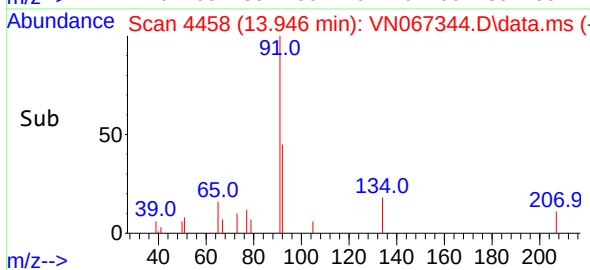
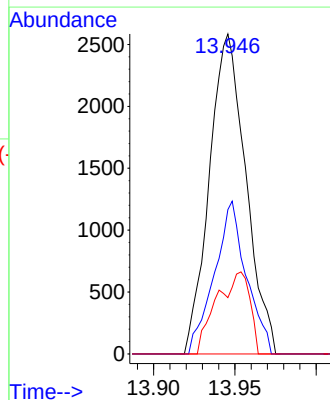
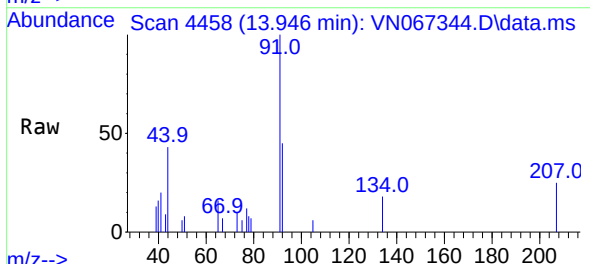
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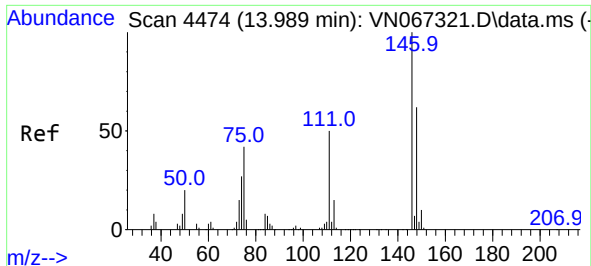
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#89
n-Butylbenzene
Concen: 0.263 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. 0.003 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11

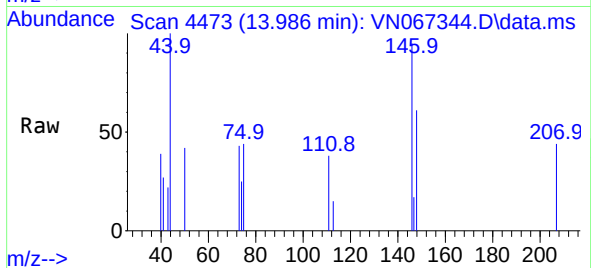
Tgt Ion: 91 Resp: 4032
Ion Ratio Lower Upper
91 100
92 42.0 25.7 77.1
134 23.3 11.2 33.6





#91
1,2-Dichlorobenzene
Concen: 0.238 ug/l m
RT: 13.986 min Scan# 4473
Delta R.T. -0.003 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11

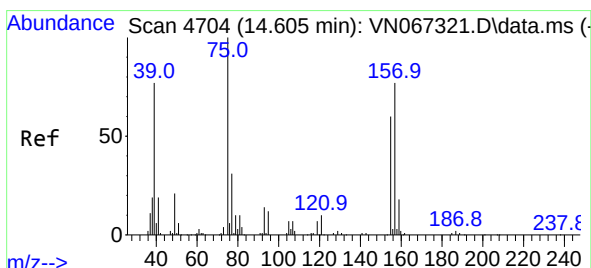
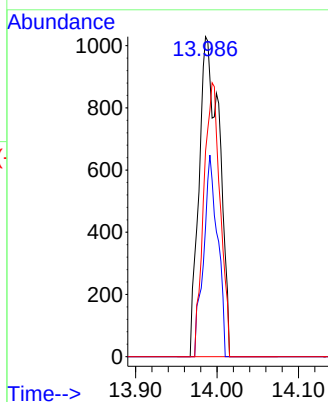
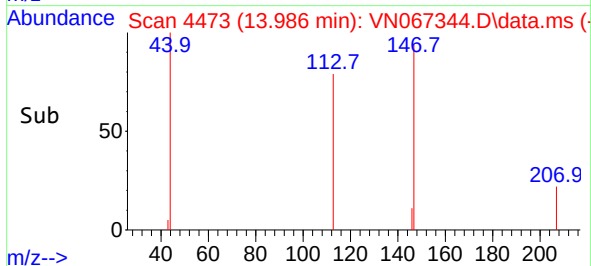
Instrument :
MSVOA_N
ClientSampleId :
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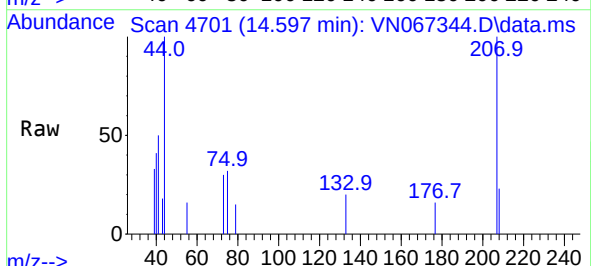
Tgt Ion:146 Resp: 1768
Ion Ratio Lower Upper
146 100
111 43.6 24.9 74.6
148 69.5 31.6 95.0

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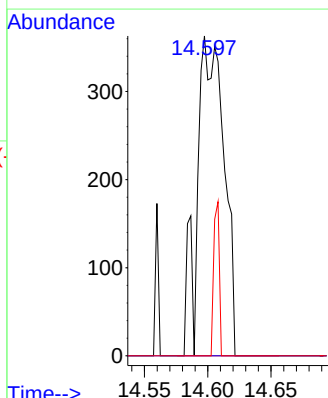
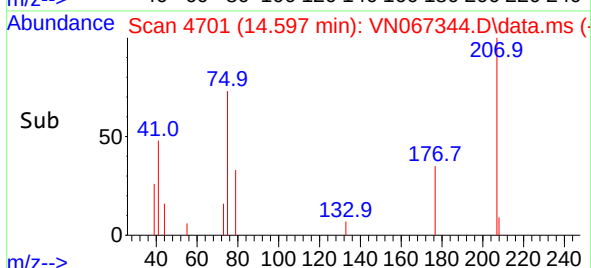
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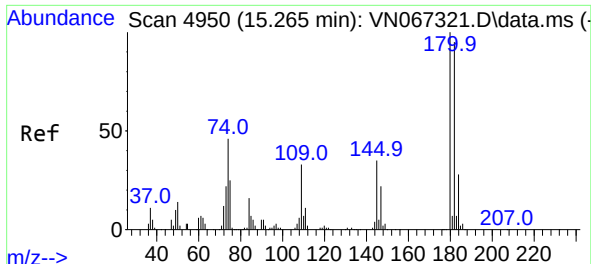


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.337 ug/l m
RT: 14.597 min Scan# 4701
Delta R.T. -0.008 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11



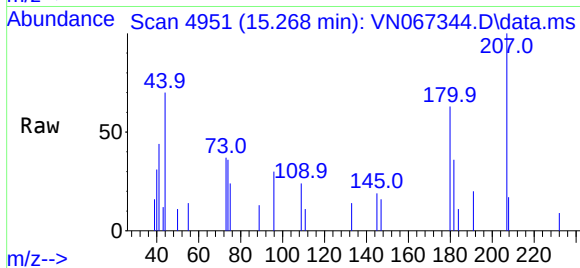
Tgt Ion: 75 Resp: 535
Ion Ratio Lower Upper
75 100
155 0.0 29.8 89.5#
157 9.9 37.6 112.8#





#93
1,2,4-Trichlorobenzene
Concen: 0.382 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11

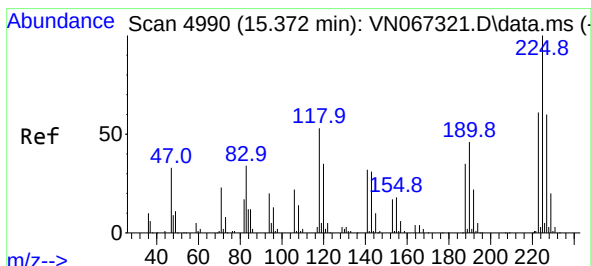
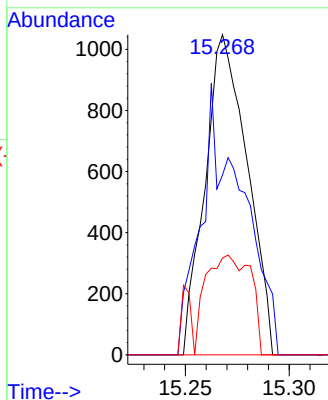
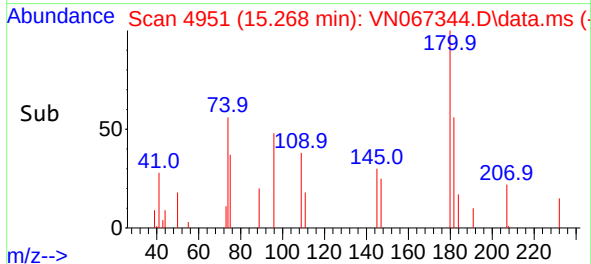
Instrument :
MSVOA_N
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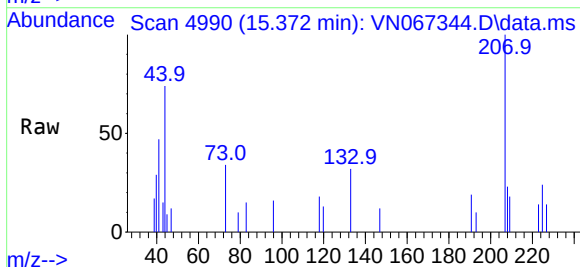
Tgt Ion:180 Resp: 1480
Ion Ratio Lower Upper
180 100
182 40.4 47.5 142.5#
145 33.0 17.2 51.6

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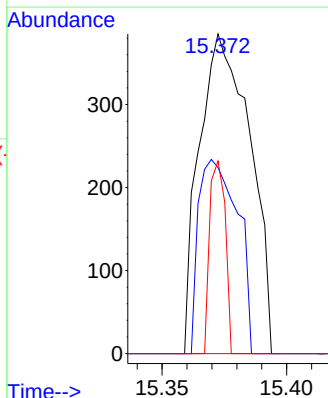
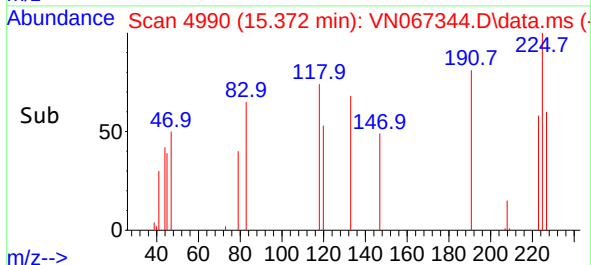
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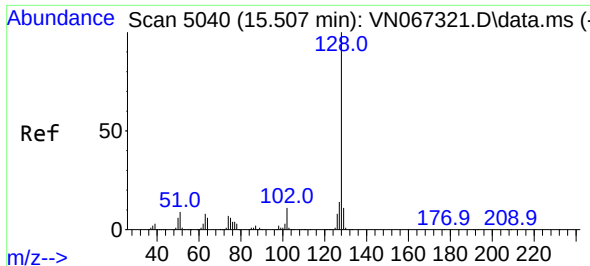


#94
Hexachlorobutadiene
Concen: 0.244 ug/l
RT: 15.372 min Scan# 4990
Delta R.T. 0.000 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11



Tgt Ion:225 Resp: 544
Ion Ratio Lower Upper
225 100
223 46.7 31.4 94.0
227 18.4 31.2 93.6#





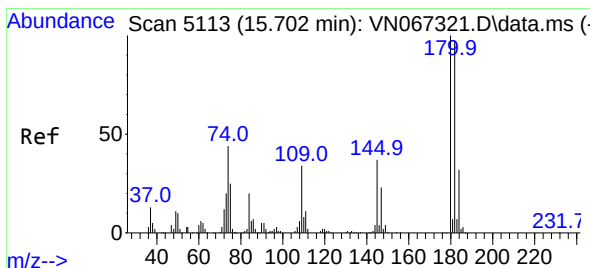
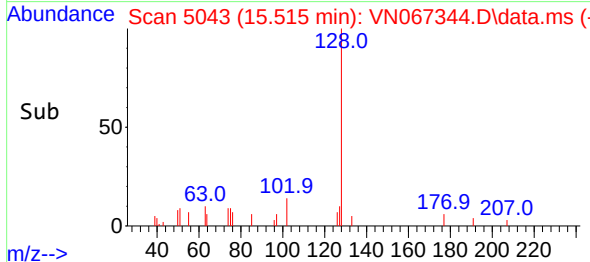
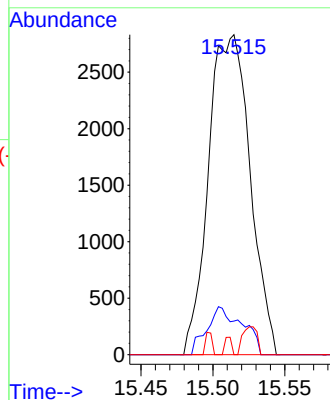
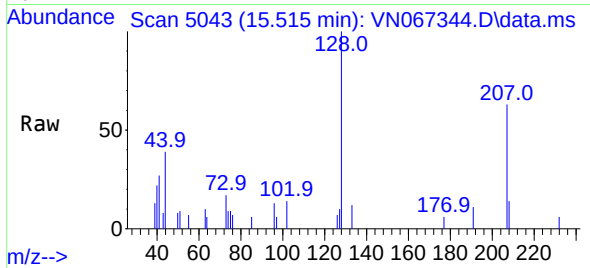
#95
Naphthalene
Concen: 0.482 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.008 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11

Tgt Ion:	128	Resp:	5695
Ion Ratio	Lower	Upper	
128	100		
127	0.0	10.6	15.8#
129	0.9	8.6	12.8#

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

Manual Integrations
APPROVED

MMDadoda
6/16/2021 5:03:15 PM



#96
1,2,3-Trichlorobenzene
Concen: 0.351 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.002 min
Lab File: VN067344.D
Acq: 15 Jun 2021 14:11

Tgt Ion:	180	Resp:	1305
Ion Ratio	Lower	Upper	
180	100		
182	0.0	47.8	143.3#
145	15.9	18.2	54.6#

