

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081221\
 Data File : VN068087.D
 Acq On : 12 Aug 2021 14:12
 Operator : JC/MD
 Sample : M3374-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DEWATERING-DISCHARGE

Manual Integrations
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 8/13/2021 10:56:24 AM

Quant Time: Aug 13 05:41:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 29 15:02:35 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	312773	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.968	114	582220	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	593569	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	229831	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	227794	51.446	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.900%			
35) Dibromofluoromethane	8.024	113	181123	53.380	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 106.760%			
50) Toluene-d8	10.443	98	760809	48.694	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 97.380%			
62) 4-Bromofluorobenzene	12.734	95	262044	46.144	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 92.280%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.377	59	4116m	6.938	ug/l	
16) Acetone	4.293	43	104073	64.417	ug/l	93
17) Carbon Disulfide	4.524	76	6532m	0.759	ug/l	
18) Methyl Acetate	4.867	43	4248m	0.993	ug/l	
25) 2-Butanone	7.351	43	16834	7.182	ug/l	95
29) Tetrahydrofuran	7.694	42	17328	11.545	ug/l	# 80
31) Cyclohexane	8.094	56	89957	13.772	ug/l	# 87
39) Methylcyclohexane	9.462	83	66481	11.423	ug/l	94
40) Benzene	8.461	78	183890	11.534	ug/l	100
52) Toluene	10.513	92	3529	0.341	ug/l	88
68) m/p-Xylenes	11.950	106	10776	5.163	ug/l	86
69) o-Xylene	12.283	106	6237	0.789	ug/l	93
70) Styrene	12.296	104	4295	2.893	ug/l	# 75
73) Isopropylbenzene	12.583	105	12297	0.656	ug/l	100
78) n-propylbenzene	12.921	91	5909	0.279	ug/l	98
80) 1,3,5-Trimethylbenzene	13.061	105	12040	0.792	ug/l	93
82) 4-Chlorotoluene	13.104	91	4253	0.328	ug/l	94
83) tert-Butylbenzene	13.324	119	3806	0.301	ug/l	83
84) 1,2,4-Trimethylbenzene	13.369	105	12876	0.874	ug/l	94
85) sec-Butylbenzene	13.503	105	14688	0.831	ug/l	87
86) p-Isopropyltoluene	13.619	119	9578m	0.681	ug/l	
87) 1,3-Dichlorobenzene	13.621	146	2828	0.358	ug/l	# 76
88) 1,4-Dichlorobenzene	13.699	146	5030	0.644	ug/l	# 51
89) n-Butylbenzene	13.943	91	8057m	0.668	ug/l	
91) 1,2-Dichlorobenzene	13.994	146	3675	0.494	ug/l	89
93) 1,2,4-Trichlorobenzene	15.271	180	7653	4.647	ug/l	# 80
94) Hexachlorobutadiene	15.370	225	937	0.606	ug/l	93
96) 1,2,3-Trichlorobenzene	15.705	180	9020	5.088	ug/l	# 81

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

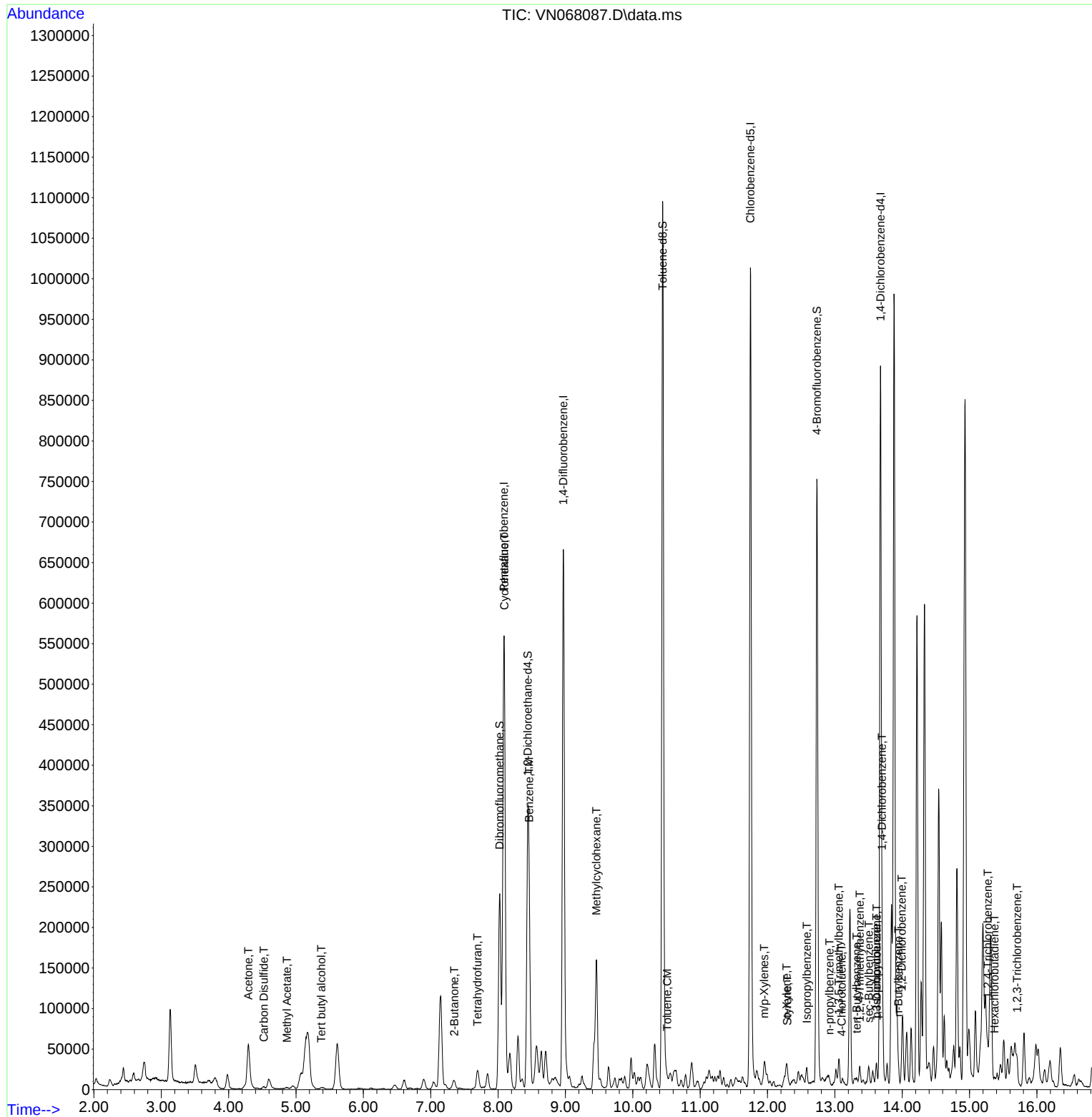
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081221\
Data File : VN068087.D
Acq On : 12 Aug 2021 14:12
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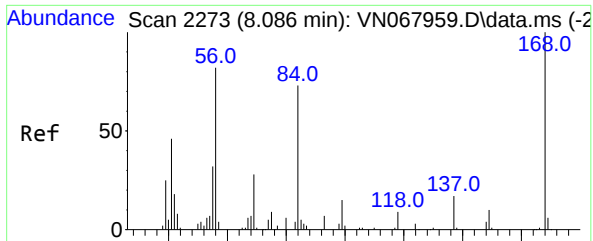
Instrument :
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Quant Time: Aug 13 05:41:58 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 29 15:02:35 2021
Response via : Initial Calibration

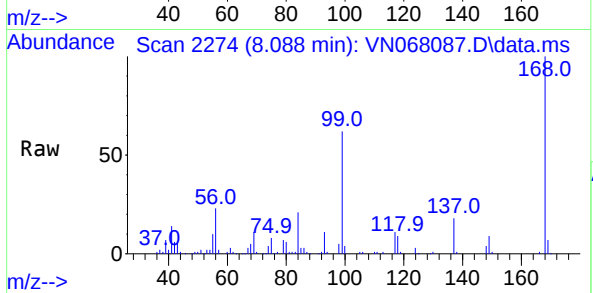
Manual Integrations
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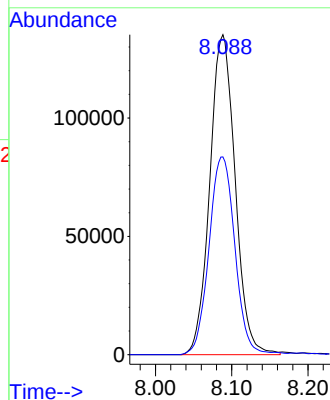
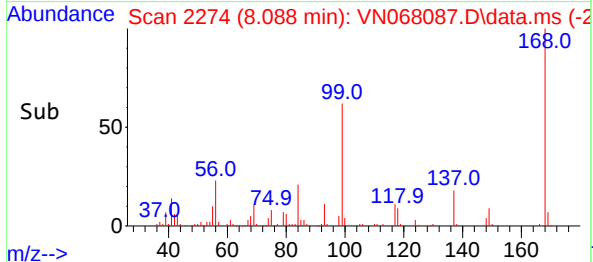




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN068087.D
Acq: 12 Aug 2021 14:12



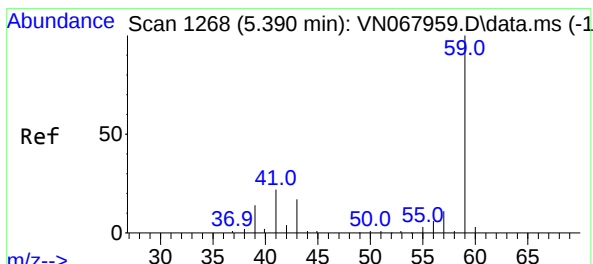
Tgt Ion: 168 Resp: 312773
Ion Ratio Lower Upper
168 100
99 61.8 62.9 94.3#



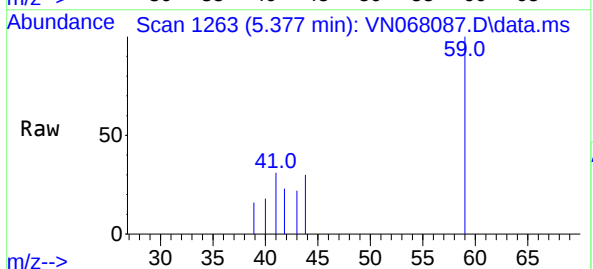
Instrument :
MSVOA_N
ClientSampleId :
DEWATERING-DISCHARGE

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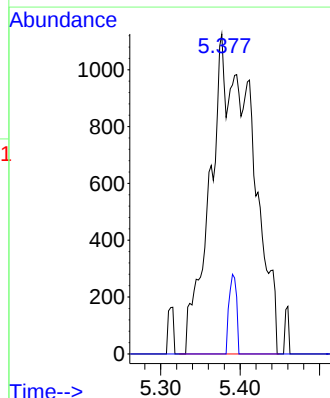
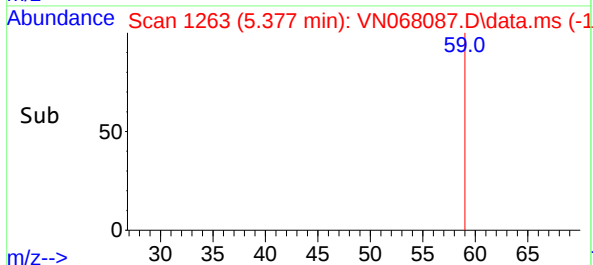
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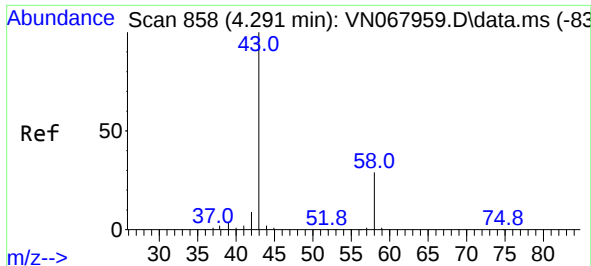


#11
Tert butyl alcohol
Concen: 6.938 ug/l m
RT: 5.377 min Scan# 1263
Delta R.T. -0.013 min
Lab File: VN068087.D
Acq: 12 Aug 2021 14:12

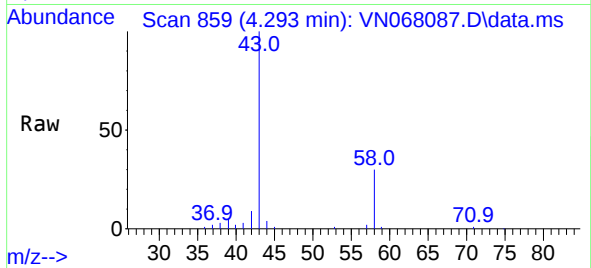


Tgt Ion: 59 Resp: 4116
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

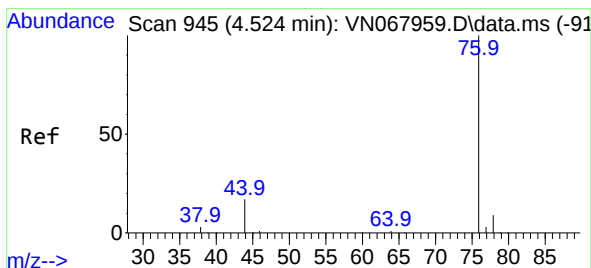
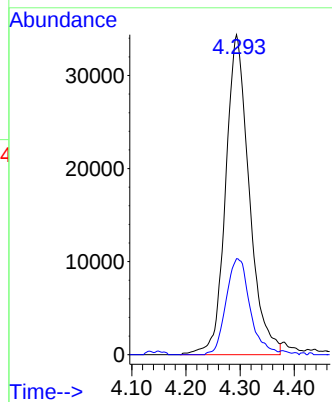
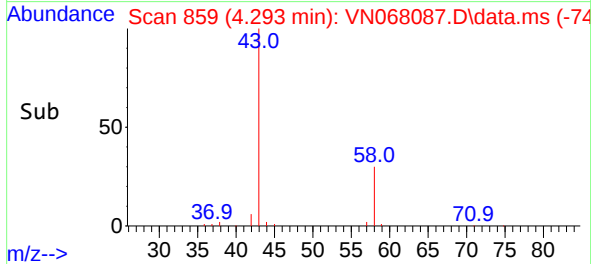




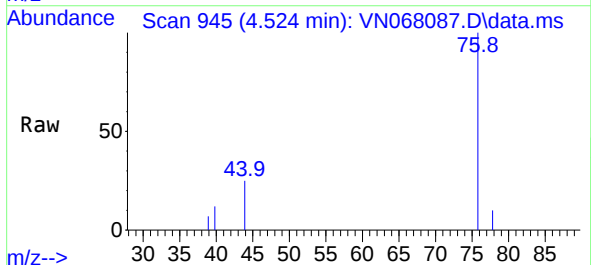
#16
Acetone
Concen: 64.417 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.002 min
Lab File: VN068087.D
Acq: 12 Aug 2021 14:12



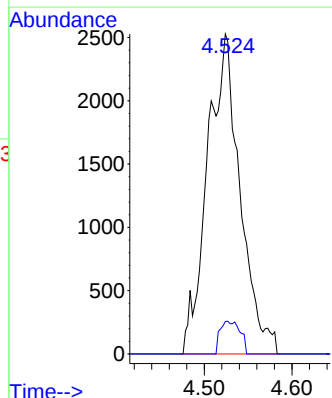
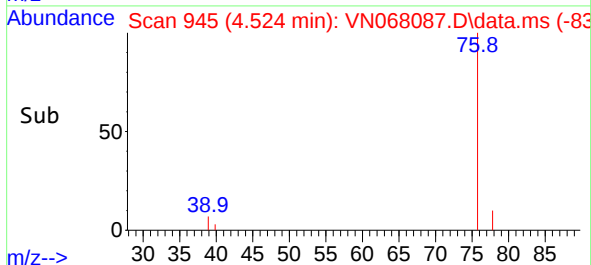
Tgt Ion: 43 Resp: 104073
Ion Ratio Lower Upper
43 100
58 30.0 21.2 31.8



#17
Carbon Disulfide
Concen: 0.759 ug/l m
RT: 4.524 min Scan# 945
Delta R.T. 0.000 min
Lab File: VN068087.D
Acq: 12 Aug 2021 14:12



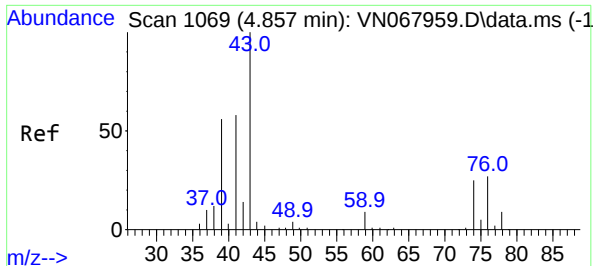
Tgt Ion: 76 Resp: 6532
Ion Ratio Lower Upper
76 100
78 10.1 7.7 11.5



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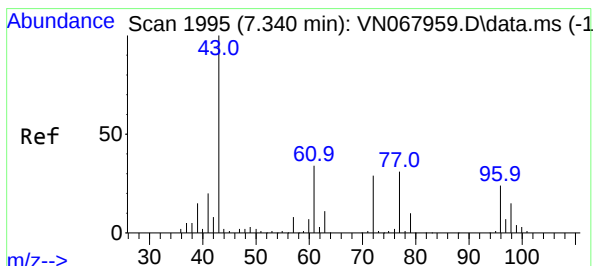
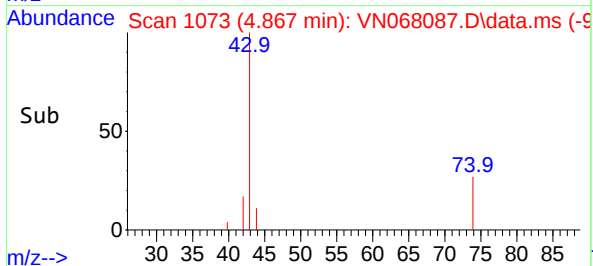
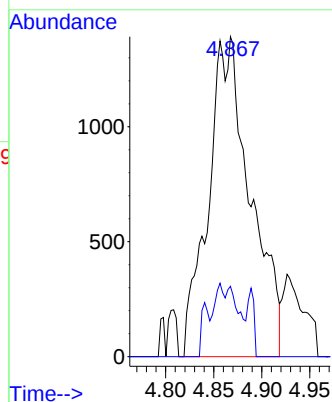
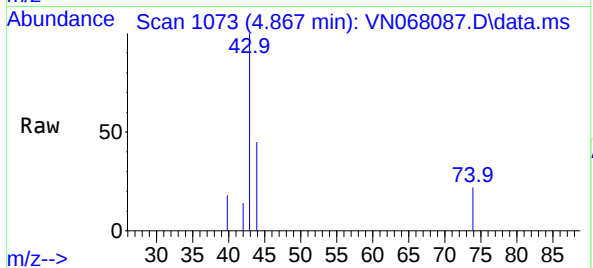
#18
Methyl Acetate
Concen: 0.993 ug/l m
RT: 4.867 min Scan# 1073
Delta R.T. 0.010 min
Lab File: VN068087.D
Acq: 12 Aug 2021 14:12

Tgt Ion: 43 Resp: 4248
Ion Ratio Lower Upper
43 100
74 2.8 17.4 26.0#

Instrument :
MSVOA_N
ClientSampleId :
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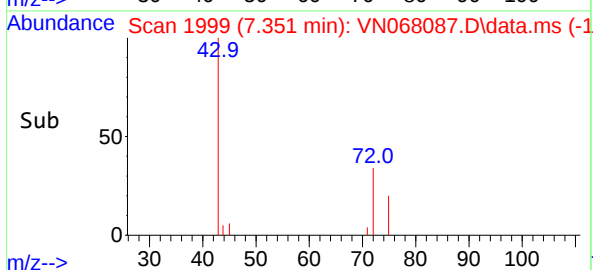
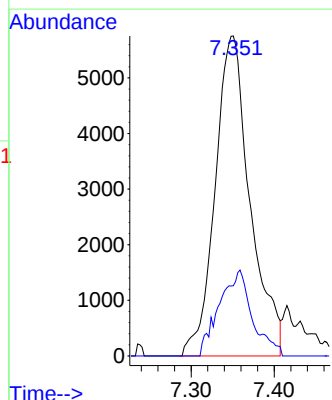
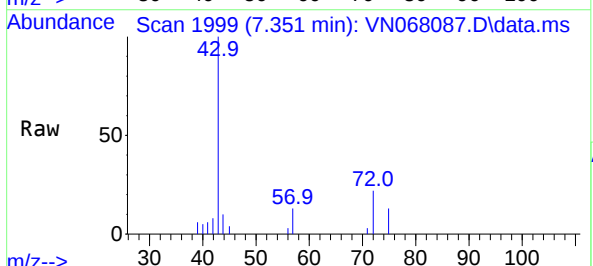
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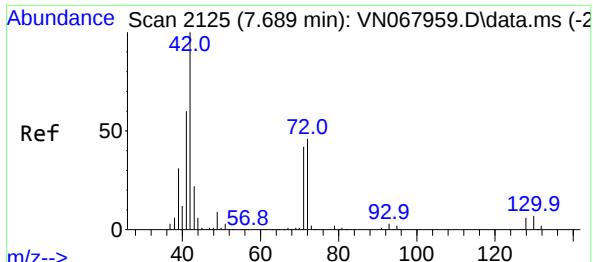
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#25
2-Butanone
Concen: 7.182 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.011 min
Lab File: VN068087.D
Acq: 12 Aug 2021 14:12

Tgt Ion: 43 Resp: 16834
Ion Ratio Lower Upper
43 100
72 21.9 19.7 29.5





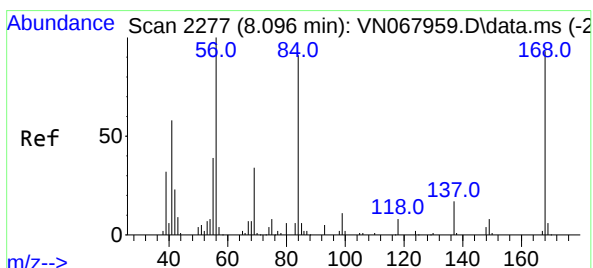
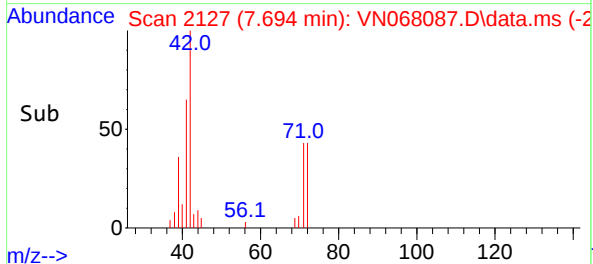
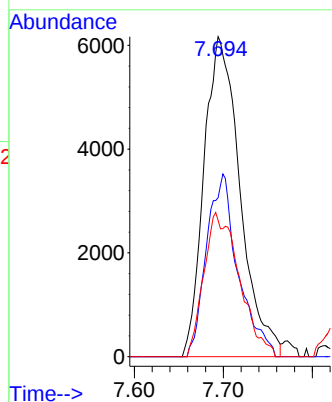
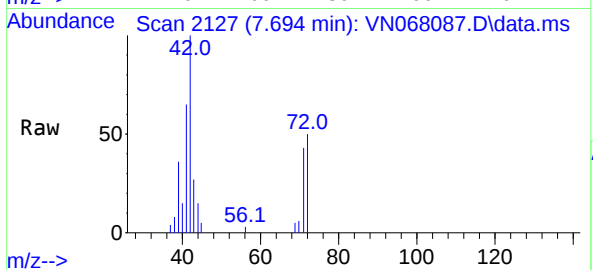
#29
Tetrahydrofuran
Concen: 11.545 ug/l
RT: 7.694 min Scan# 2127
Delta R.T. 0.005 min
Lab File: VN068087.D
Acq: 12 Aug 2021 14:12

Tgt Ion:	42	Resp:	17328
Ion	Ratio	Lower	Upper
42	100		
72	50.0	32.8	49.2#
71	23.4	31.2	46.8#

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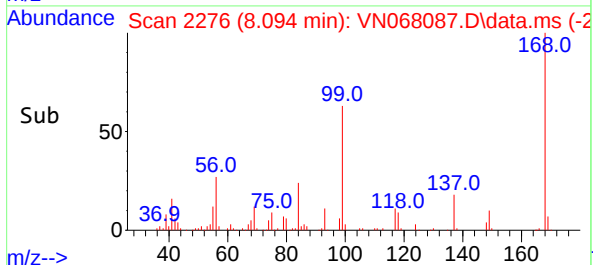
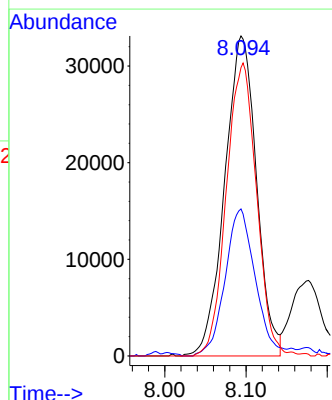
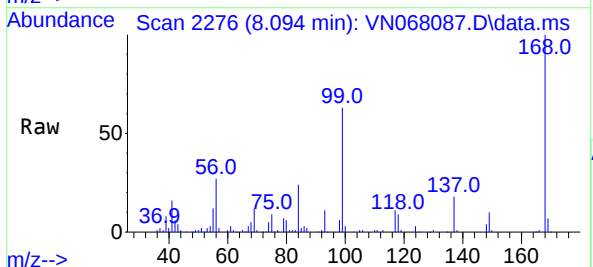
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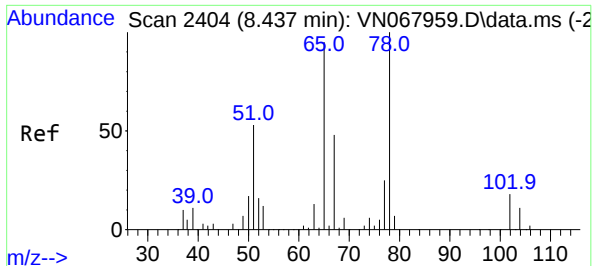
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#31
Cyclohexane
Concen: 13.772 ug/l
RT: 8.094 min Scan# 2276
Delta R.T. -0.002 min
Lab File: VN068087.D
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Tgt Ion:	56	Resp:	89957
Ion	Ratio	Lower	Upper
56	100		
69	45.5	27.3	40.9#
84	90.1	64.9	97.3





#33

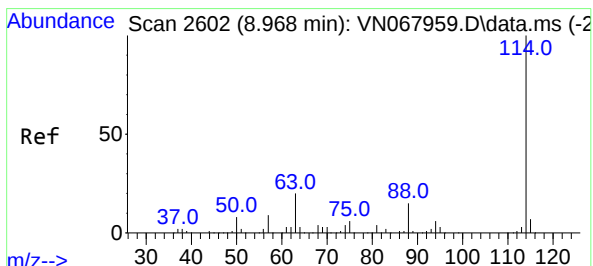
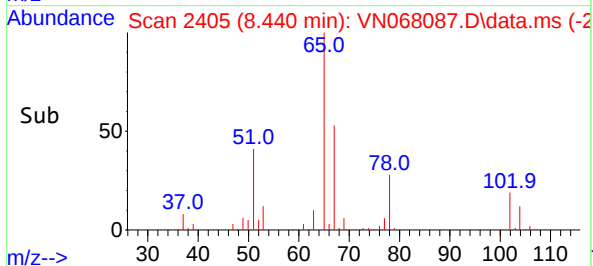
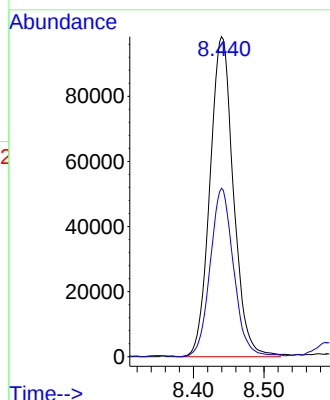
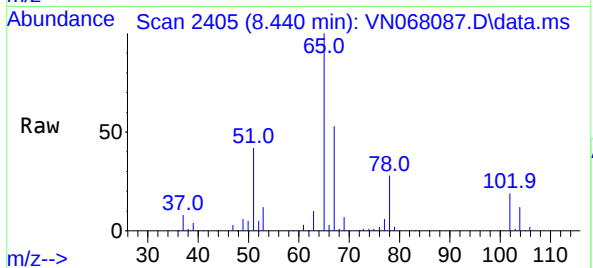
1,2-Dichloroethane-d4
Concen: 51.446 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN068087.D
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Tgt Ion: 65 Resp: 227794
Ion Ratio Lower Upper
65 100
67 52.6 0.0 98.6

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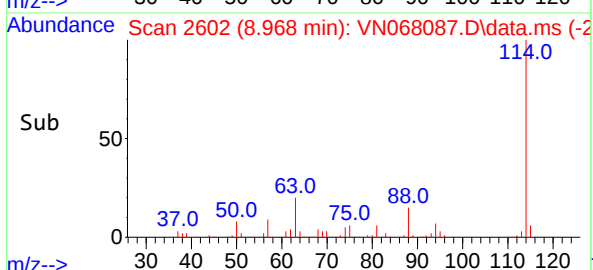
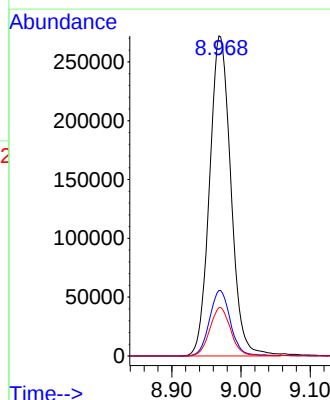
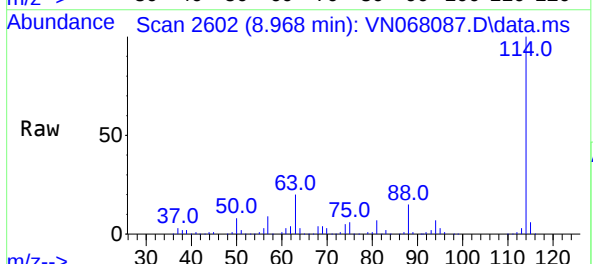
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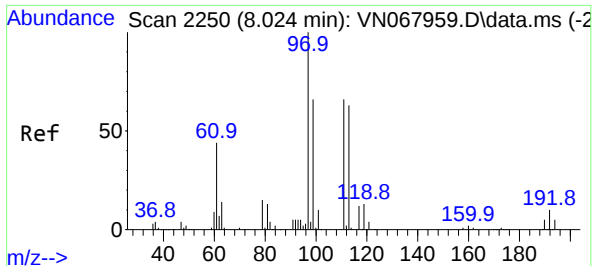


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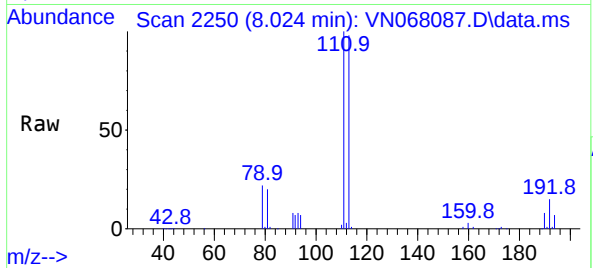
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN068087.D
Acq: 12 Aug 2021 14:12

Tgt Ion: 114 Resp: 582220
Ion Ratio Lower Upper
114 100
63 20.4 0.0 49.0
88 15.1 0.0 36.6

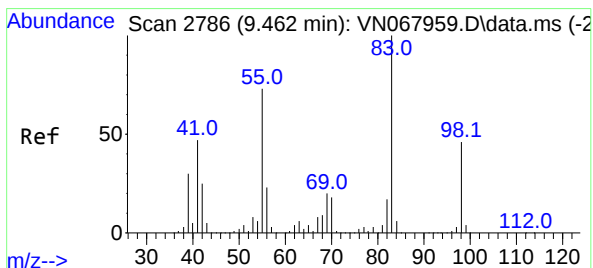
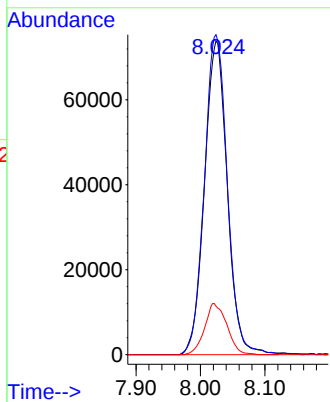
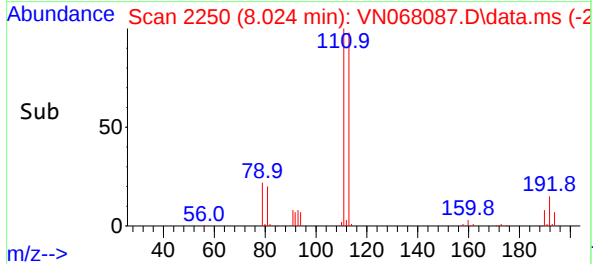




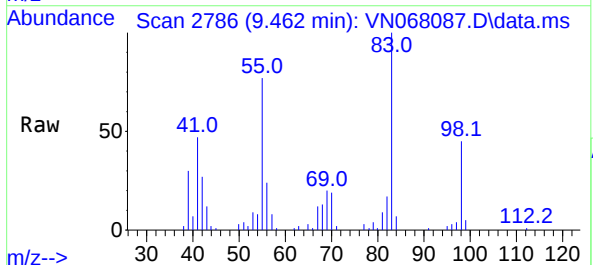
#35
Dibromofluoromethane
Concen: 53.380 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN068087.D
Acq: 12 Aug 2021 14:12



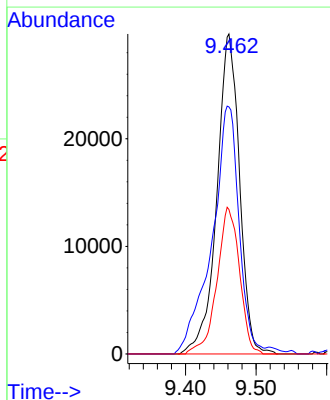
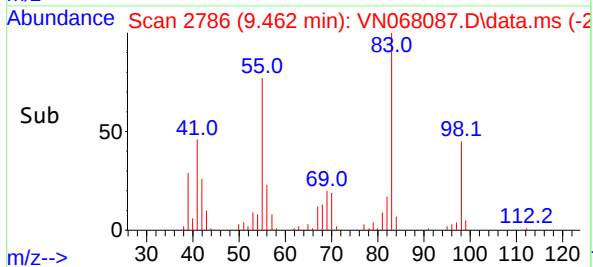
Tgt Ion: 113 Resp: 181123
Ion Ratio Lower Upper
113 100
111 103.2 83.8 125.8
192 16.0 13.4 20.0



#39
Methylcyclohexane
Concen: 11.423 ug/l
RT: 9.462 min Scan# 2786
Delta R.T. -0.000 min
Lab File: VN068087.D
Acq: 12 Aug 2021 14:12



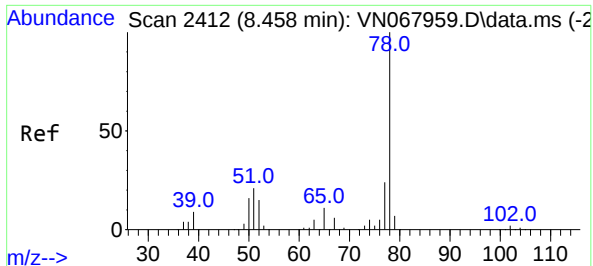
Tgt Ion: 83 Resp: 66481
Ion Ratio Lower Upper
83 100
55 76.0 66.6 99.8
98 45.1 35.3 52.9



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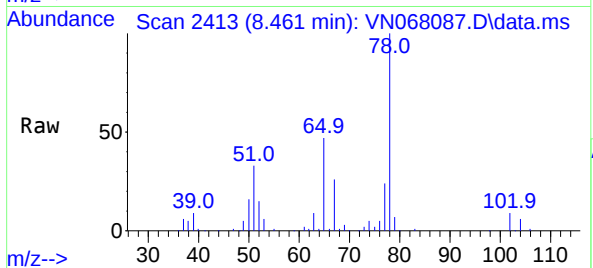
Manual Integrations
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#40
Benzene
Concen: 11.534 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.003 min
Lab File: VN068087.D
Acq: 12 Aug 2021 14:12

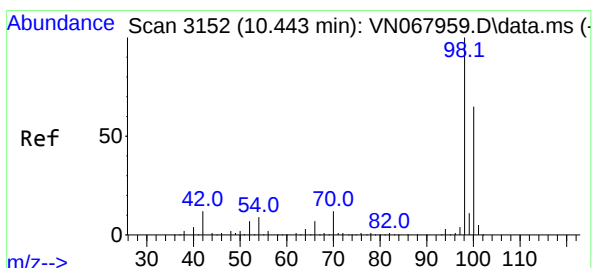
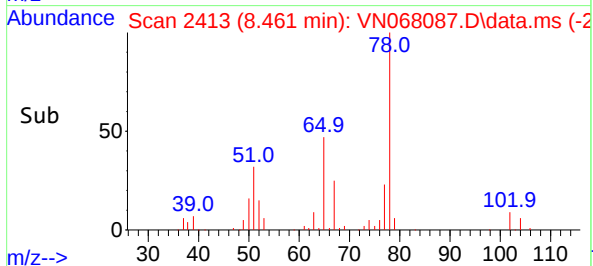
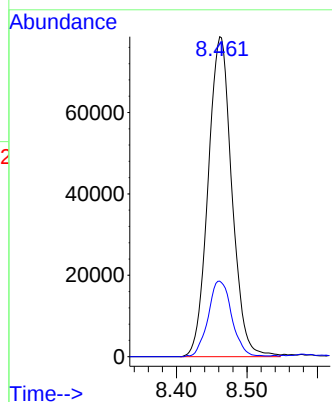
Instrument :
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Tgt Ion: 78 Resp: 183890
Ion Ratio Lower Upper
78 100
77 23.6 18.9 28.3

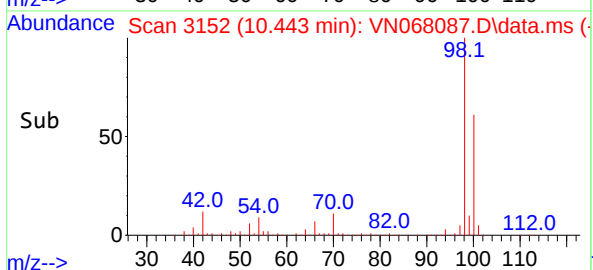
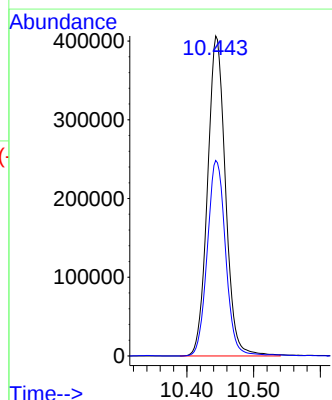
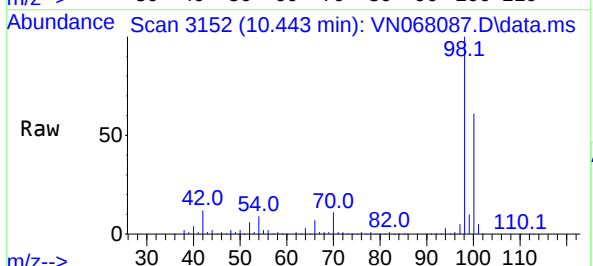
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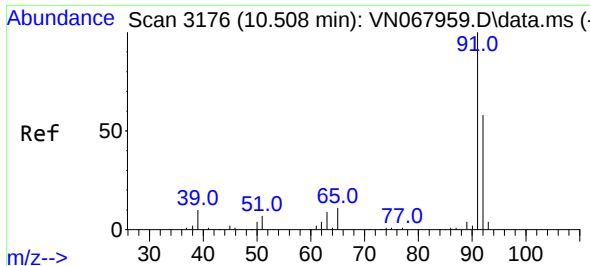
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#50
Toluene-d8
Concen: 48.694 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068087.D
Acq: 12 Aug 2021 14:12

Tgt Ion: 98 Resp: 760809
Ion Ratio Lower Upper
98 100
100 62.1 51.7 77.5





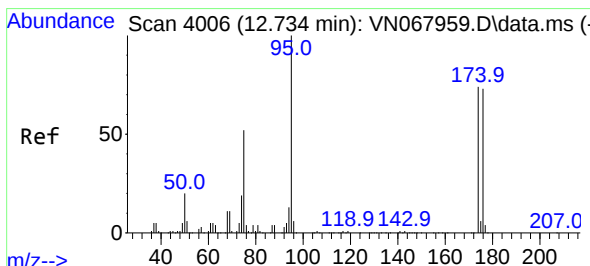
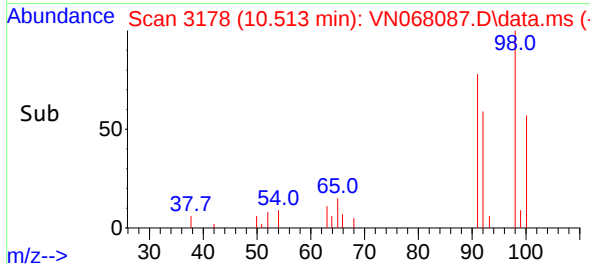
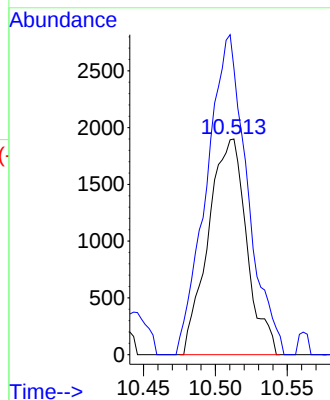
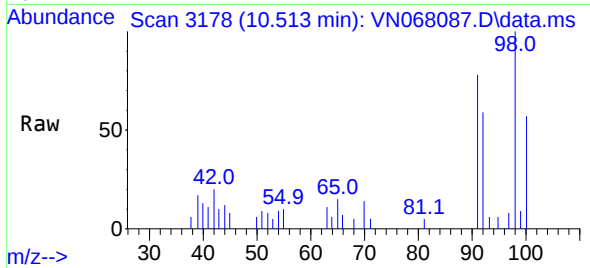
#52
Toluene
Concen: 0.341 ug/l
RT: 10.513 min Scan# 3178
Delta R.T. 0.005 min
Lab File: VN068087.D
Acq: 12 Aug 2021 14:12

Tgt Ion: 92 Resp: 3529
Ion Ratio Lower Upper
92 100
91 157.2 139.6 209.4

Instrument :
MSVOA_N
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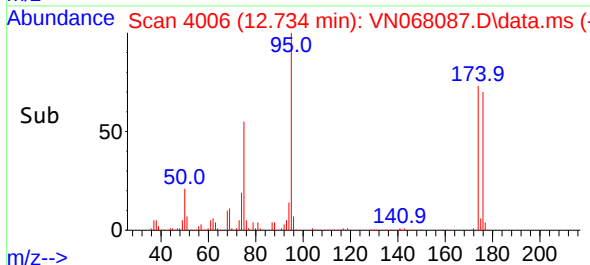
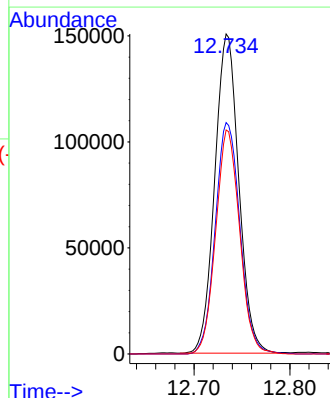
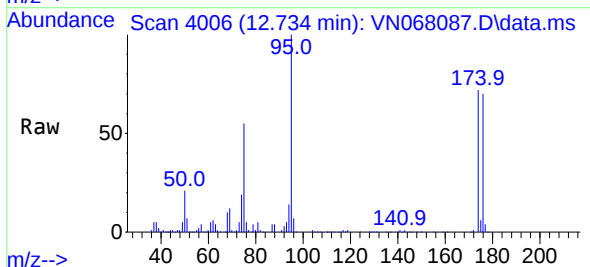
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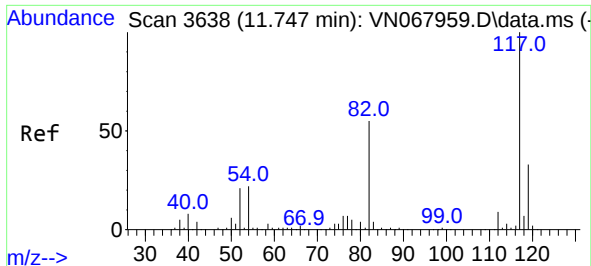
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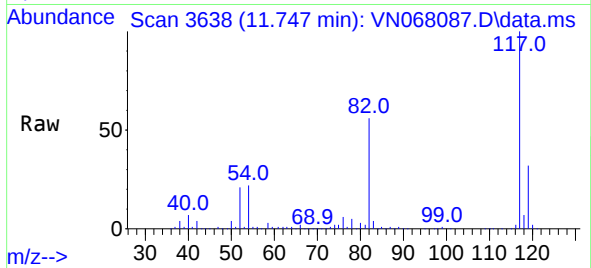
#62
4-Bromofluorobenzene
Concen: 46.144 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068087.D
Acq: 12 Aug 2021 14:12

Tgt Ion: 95 Resp: 262044
Ion Ratio Lower Upper
95 100
174 74.6 0.0 122.0
176 69.9 0.0 117.6

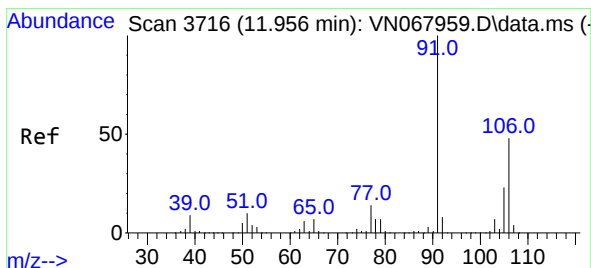
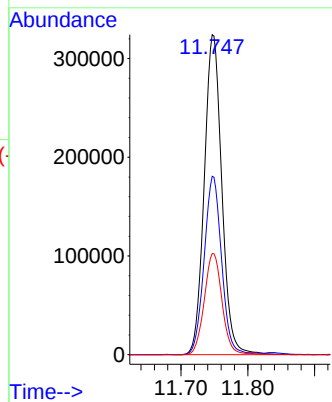
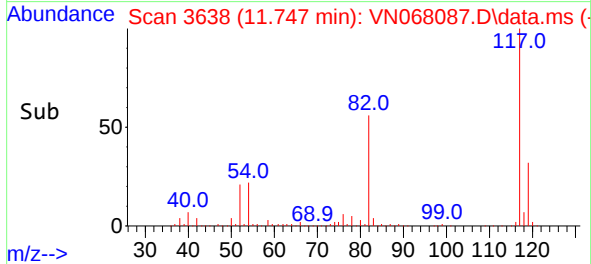




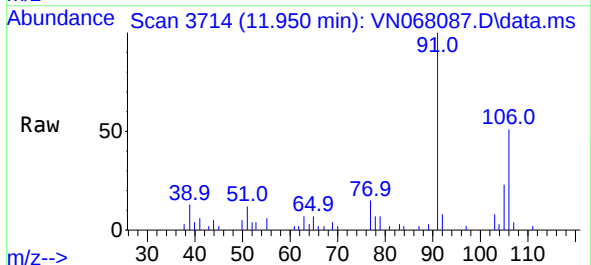
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068087.D
Acq: 12 Aug 2021 14:12



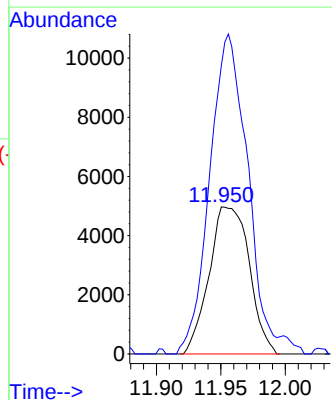
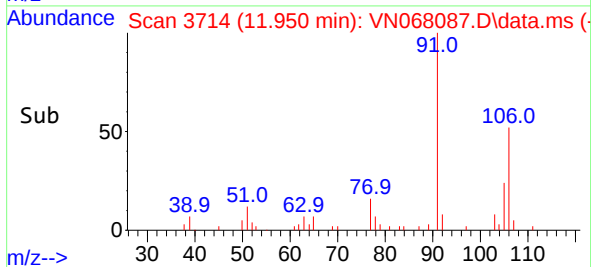
Tgt Ion:117 Resp: 593569
Ion Ratio Lower Upper
117 100
82 55.8 53.1 79.7
119 31.6 25.5 38.3



#68
m/p-Xylenes
Concen: 5.163 ug/l
RT: 11.950 min Scan# 3714
Delta R.T. -0.006 min
Lab File: VN068087.D
Acq: 12 Aug 2021 14:12



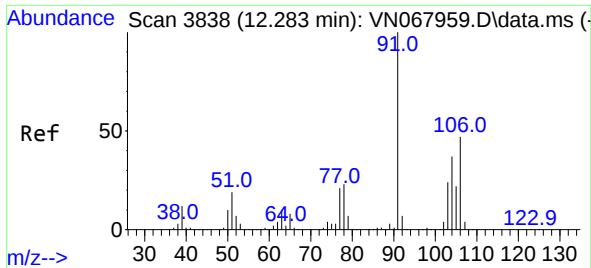
Tgt Ion:106 Resp: 10776
Ion Ratio Lower Upper
106 100
91 203.2 180.6 270.8



Instrument :
MSVOA_N
ClientSampleId :
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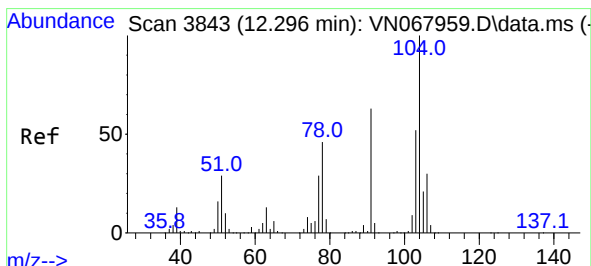
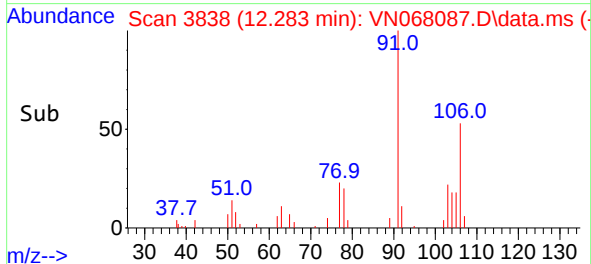
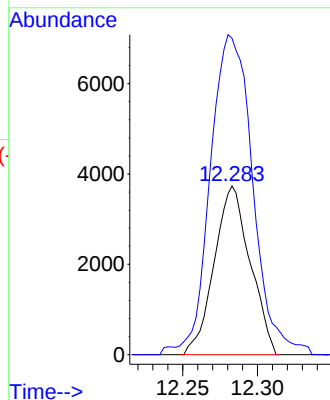
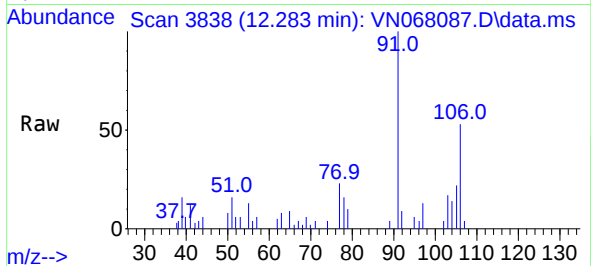
#69
o-Xylene
Concen: 0.789 ug/l
RT: 12.283 min Scan# 3838
Delta R.T. -0.000 min
Lab File: VN068087.D
Acq: 12 Aug 2021 14:12

Tgt Ion:106 Resp: 6237
Ion Ratio Lower Upper
106 100
91 225.0 118.3 354.9

Instrument :
MSVOA_N
ClientSampleId :
DEWATERING-DISCHARGE

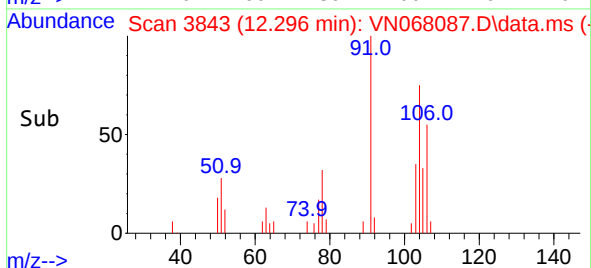
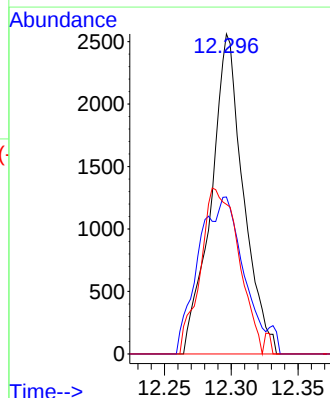
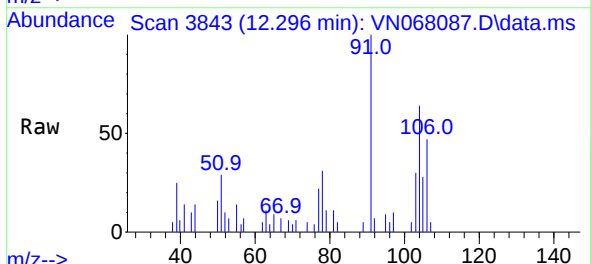
Manual Integrations
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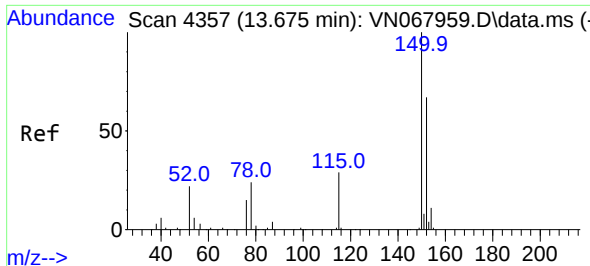
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#70
Styrene
Concen: 2.893 ug/l
RT: 12.296 min Scan# 3843
Delta R.T. 0.000 min
Lab File: VN068087.D
Acq: 12 Aug 2021 14:12

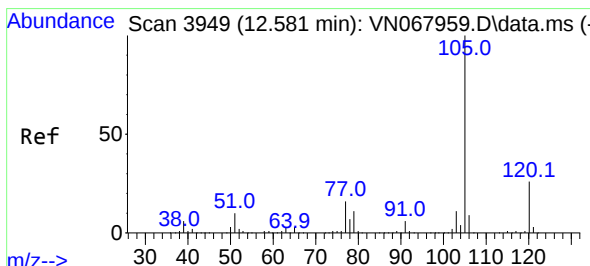
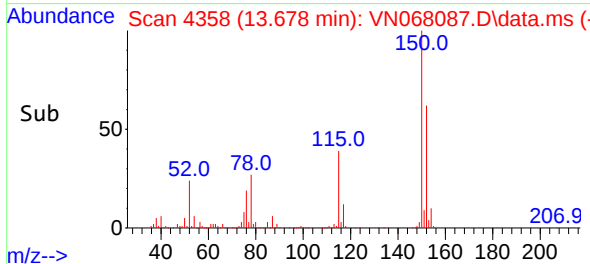
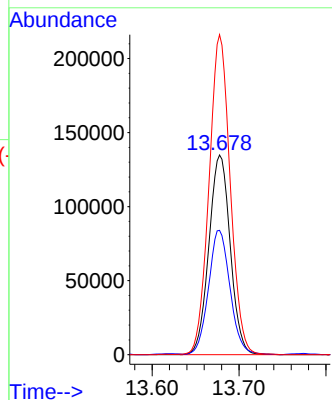
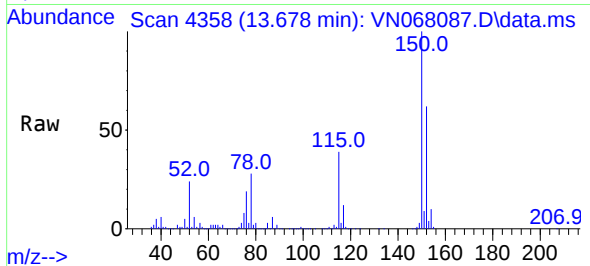
Tgt Ion:104 Resp: 4295
Ion Ratio Lower Upper
104 100
78 29.7 48.2 72.2#
103 61.7 44.5 66.7





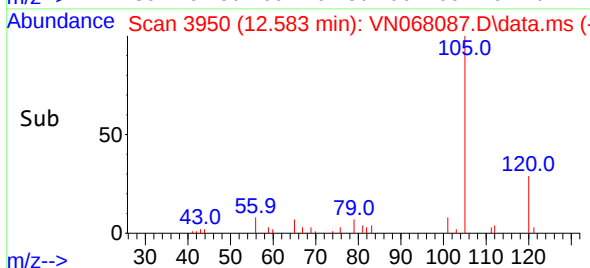
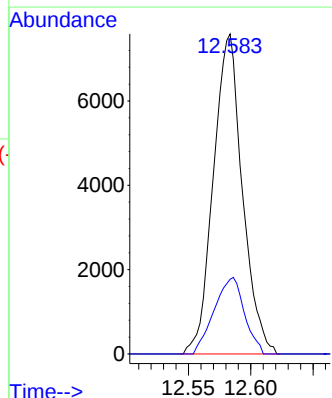
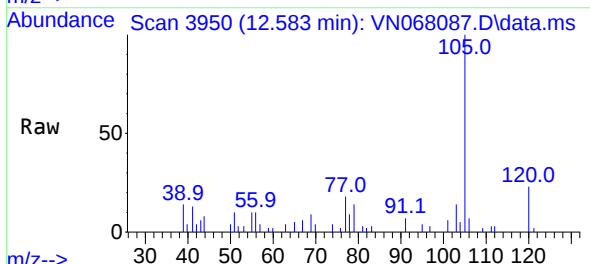
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068087.D
Acq: 12 Aug 2021 14:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.2	36.1	108.5
150	158.9	0.0	351.8



#73
Isopropylbenzene
Concen: 0.656 ug/l
RT: 12.583 min Scan# 3950
Delta R.T. 0.002 min
Lab File: VN068087.D
Acq: 12 Aug 2021 14:12

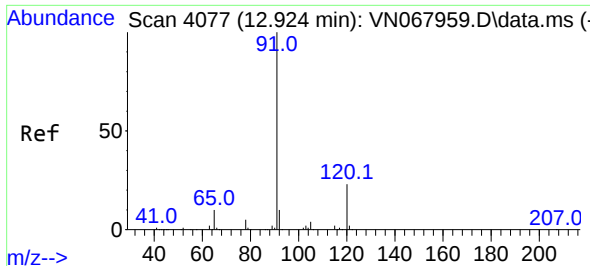
Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.9	12.5	37.5



Instrument :
MSVOA_N
ClientSampleId :
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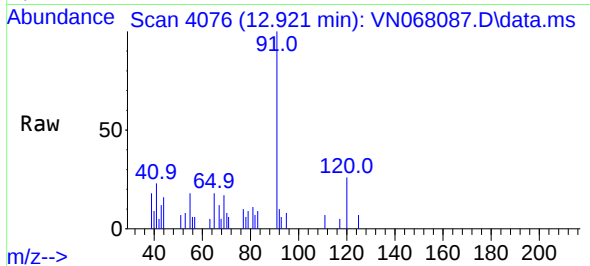
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#78
n-propylbenzene
Concen: 0.279 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. -0.003 min
Lab File: VN068087.D
Acq: 12 Aug 2021 14:12

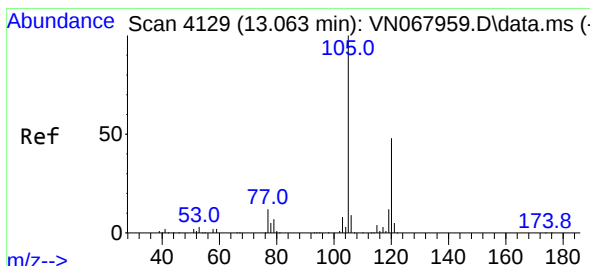
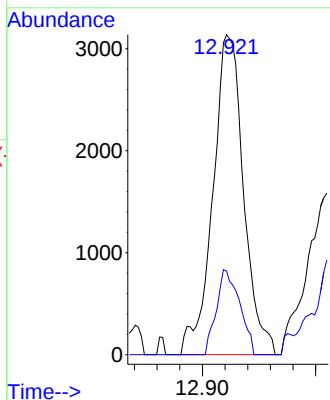
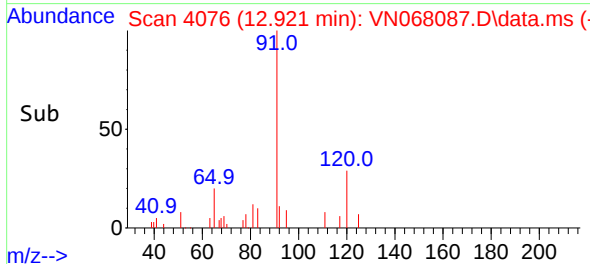
Instrument :
MSVOA_N
ClientSampleId :
DEWATERING-DISCHARGE



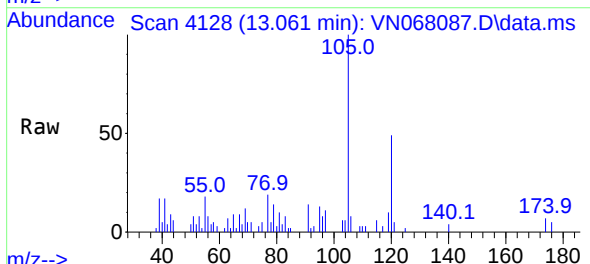
Tgt Ion: 91 Resp: 5909
Ion Ratio Lower Upper
91 100
120 20.1 10.4 31.4

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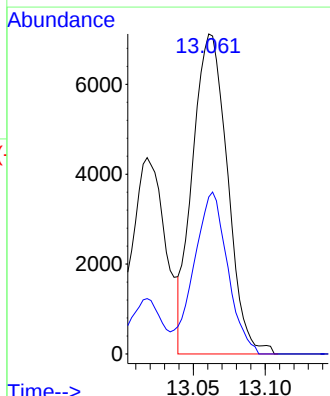
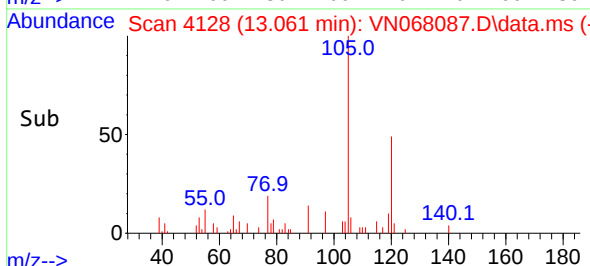
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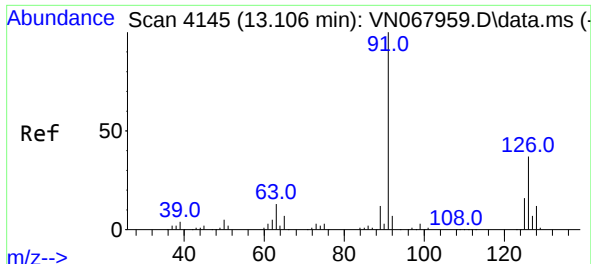


#80
1,3,5-Trimethylbenzene
Concen: 0.792 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. -0.002 min
Lab File: VN068087.D
Acq: 12 Aug 2021 14:12



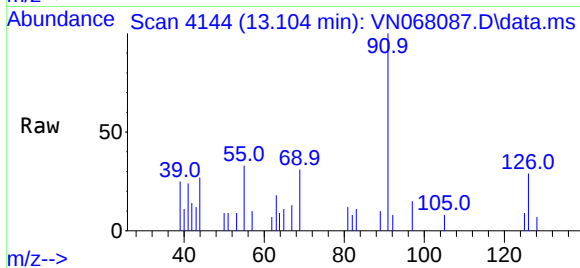
Tgt Ion: 105 Resp: 12040
Ion Ratio Lower Upper
105 100
120 49.0 22.2 66.6





#82
4-Chlorotoluene
Concen: 0.328 ug/l
RT: 13.104 min Scan# 4144
Delta R.T. -0.002 min
Lab File: VN068087.D
Acq: 12 Aug 2021 14:12

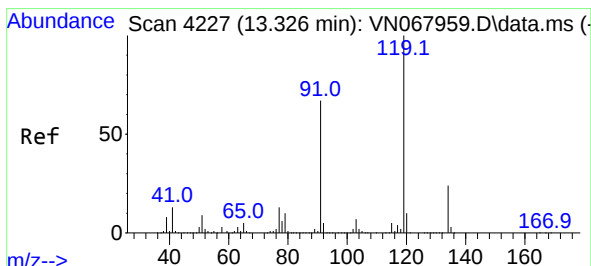
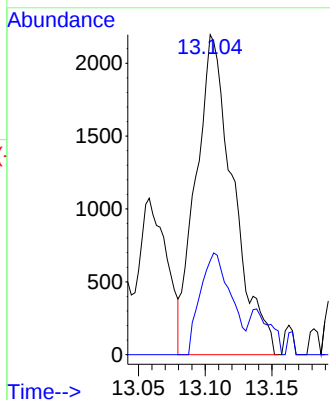
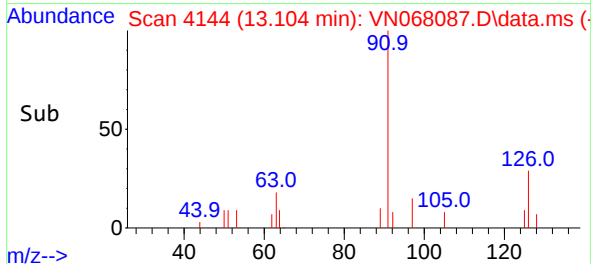
Instrument :
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ClientSampleId :
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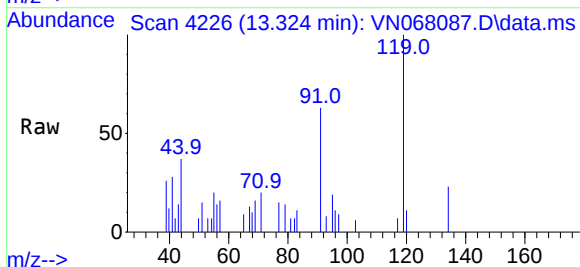
Tgt Ion: 91 Resp: 4253
Ion Ratio Lower Upper
91 100
126 26.3 14.8 44.4

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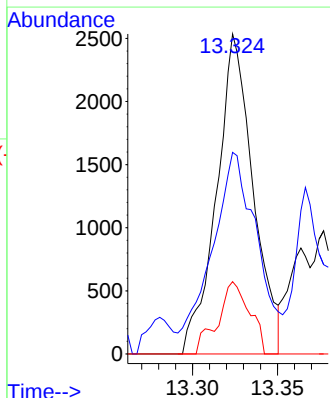
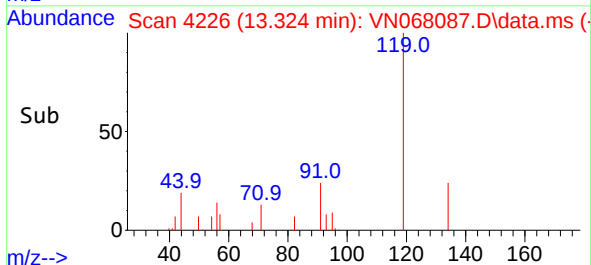
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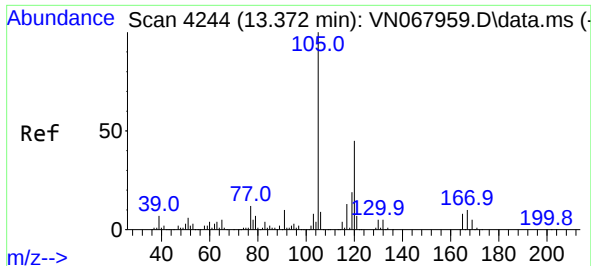


#83
tert-Butylbenzene
Concen: 0.301 ug/l
RT: 13.324 min Scan# 4226
Delta R.T. -0.002 min
Lab File: VN068087.D
Acq: 12 Aug 2021 14:12



Tgt Ion: 119 Resp: 3806
Ion Ratio Lower Upper
119 100
91 62.1 39.5 118.5
134 19.5 12.0 36.0





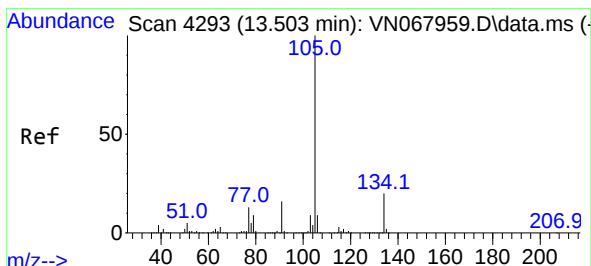
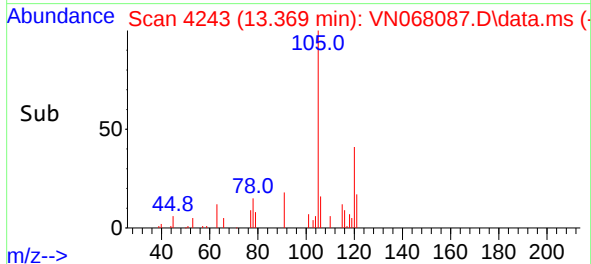
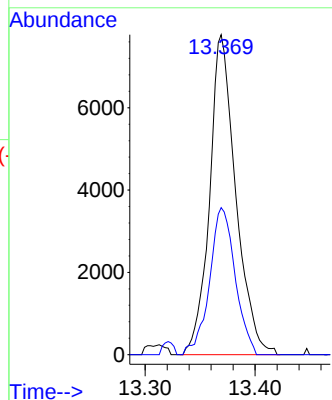
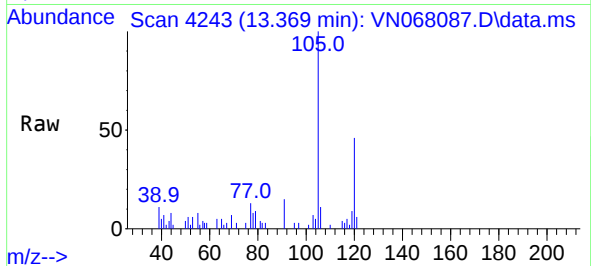
#84
1,2,4-Trimethylbenzene
Concen: 0.874 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. -0.003 min
Lab File: VN068087.D
Acq: 12 Aug 2021 14:12

Tgt Ion:105 Resp: 12876
Ion Ratio Lower Upper
105 100
120 44.9 20.6 61.8

Instrument :
MSVOA_N
ClientSampleId :
DEWATERING-DISCHARGE

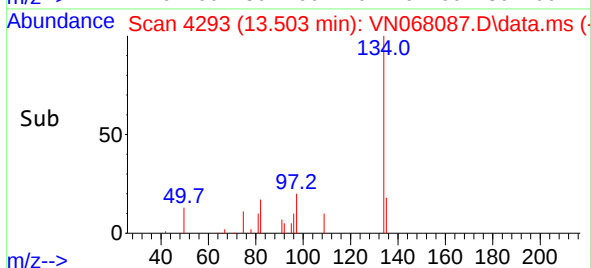
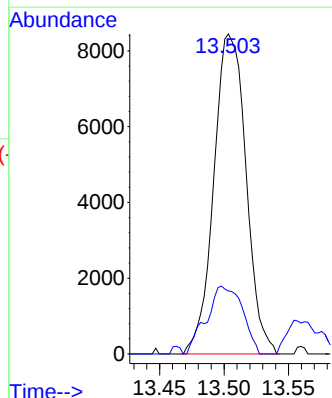
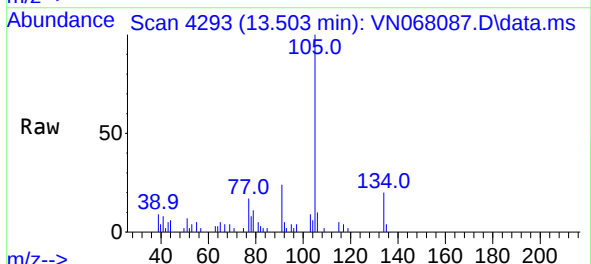
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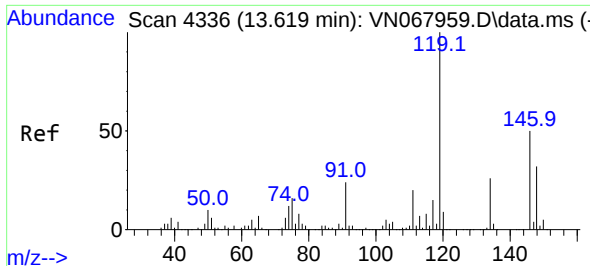
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#85
sec-Butylbenzene
Concen: 0.831 ug/l
RT: 13.503 min Scan# 4293
Delta R.T. 0.000 min
Lab File: VN068087.D
Acq: 12 Aug 2021 14:12

Tgt Ion:105 Resp: 14688
Ion Ratio Lower Upper
105 100
134 23.6 9.0 27.1





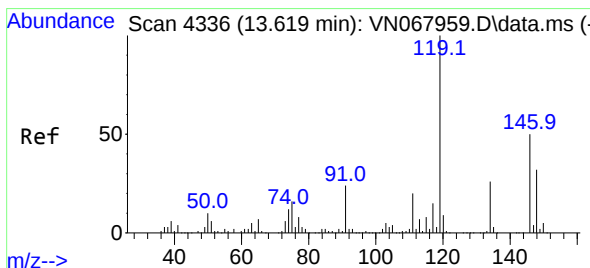
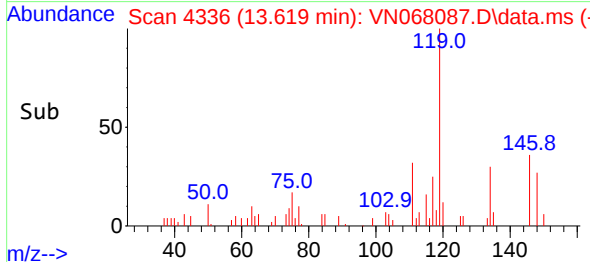
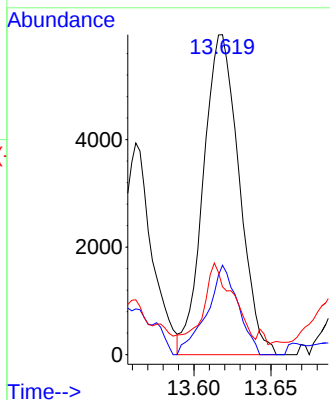
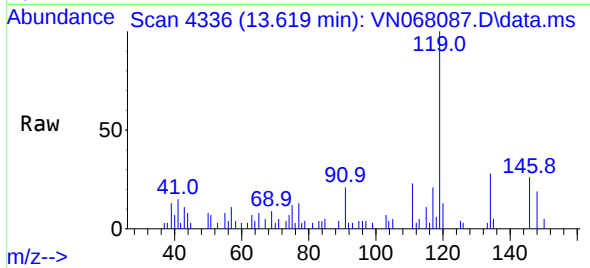
#86
p-Isopropyltoluene
Concen: 0.681 ug/l m
RT: 13.619 min Scan# 4336
Delta R.T. -0.000 min
Lab File: VN068087.D
Acq: 12 Aug 2021 14:12

Tgt Ion:	119	Resp:	9578
Ion	Ratio	Lower	Upper
119	100		
134	29.4	12.4	37.4
91	23.0	14.8	44.3

Instrument :
MSVOA_N
ClientSampleId :
DEWATERING-DISCHARGE

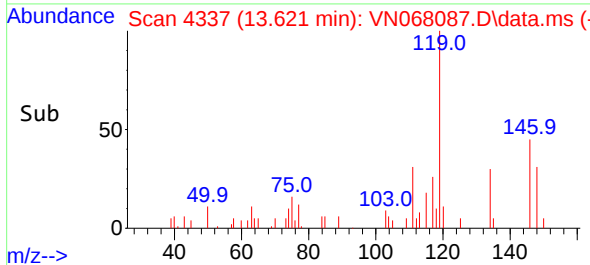
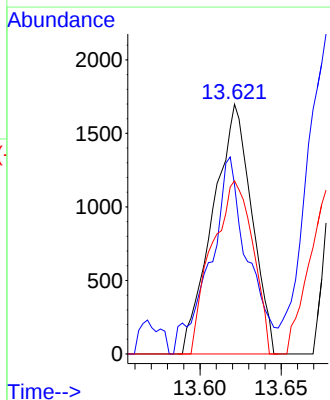
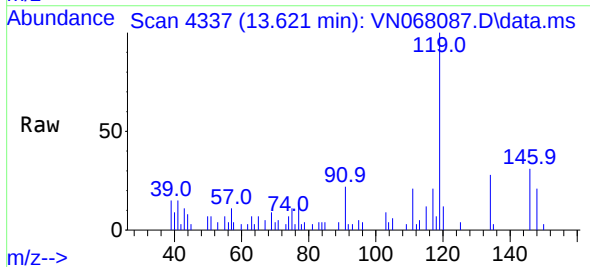
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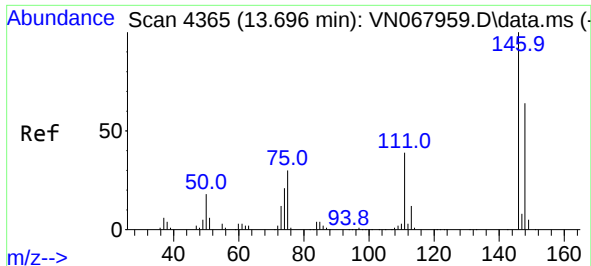
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#87
1,3-Dichlorobenzene
Concen: 0.358 ug/l
RT: 13.621 min Scan# 4337
Delta R.T. 0.002 min
Lab File: VN068087.D
Acq: 12 Aug 2021 14:12

Tgt Ion:	146	Resp:	2828
Ion	Ratio	Lower	Upper
146	100		
111	76.9	24.3	72.8#
148	72.7	32.0	96.0





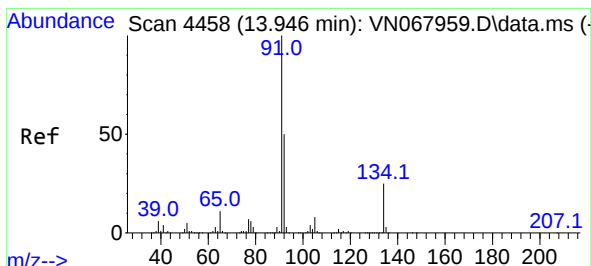
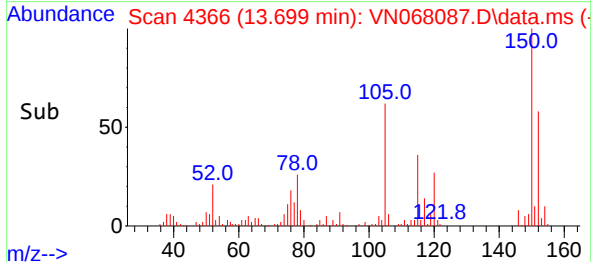
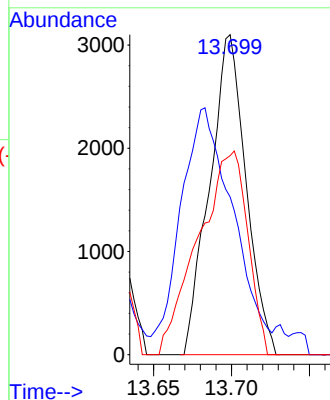
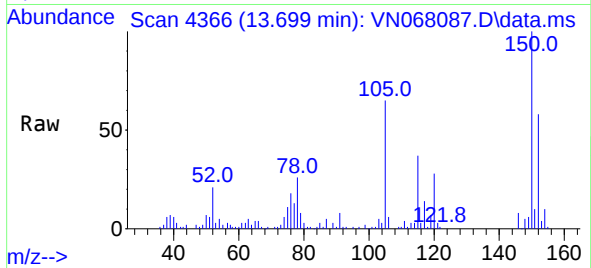
#88
1,4-Dichlorobenzene
Concen: 0.644 ug/l
RT: 13.699 min Scan# 4366
Delta R.T. 0.003 min
Lab File: VN068087.D
Acq: 12 Aug 2021 14:12

Tgt Ion: 146 Resp: 5030
Ion Ratio Lower Upper
146 100
111 97.9 23.4 70.2#
148 86.2 31.8 95.3

Instrument :
MSVOA_N
ClientSampleId :
DEWATERING-DISCHARGE

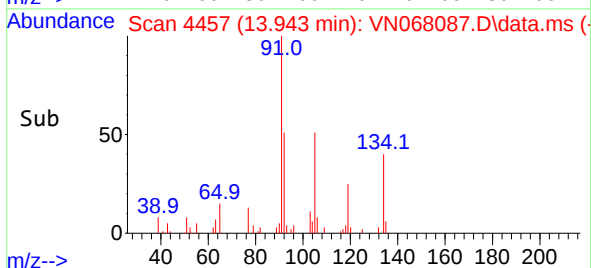
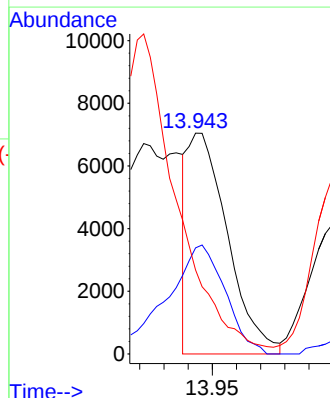
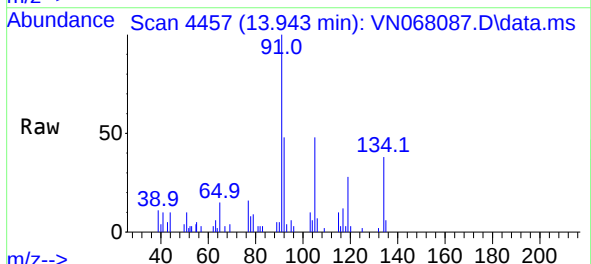
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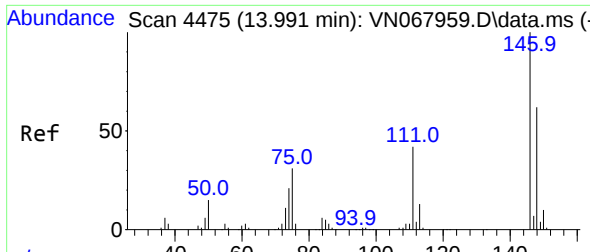
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8/13/2021 10:56:24 AM



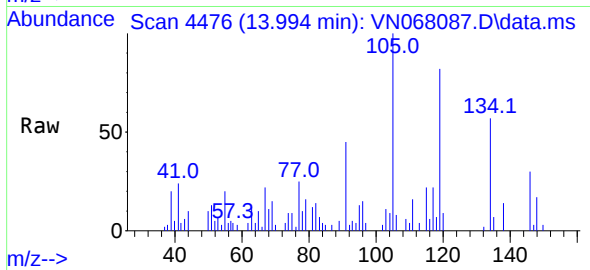
#89
n-Butylbenzene
Concen: 0.668 ug/l m
RT: 13.943 min Scan# 4457
Delta R.T. -0.003 min
Lab File: VN068087.D
Acq: 12 Aug 2021 14:12

Tgt Ion: 91 Resp: 8057
Ion Ratio Lower Upper
91 100
92 8.1 25.7 77.1#
134 139.0 11.2 33.6#

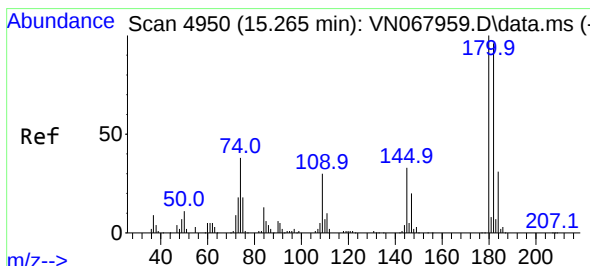
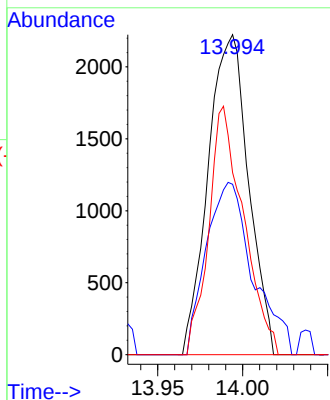
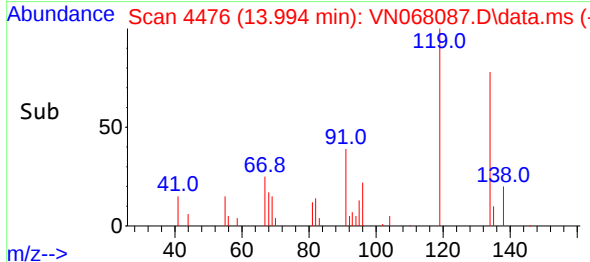




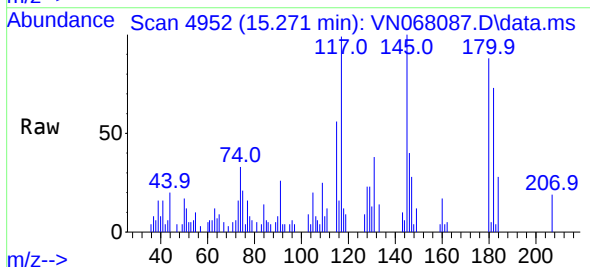
#91
1,2-Dichlorobenzene
Concen: 0.494 ug/l
RT: 13.994 min Scan# 4476
Delta R.T. 0.003 min
Lab File: VN068087.D
Acq: 12 Aug 2021 14:12



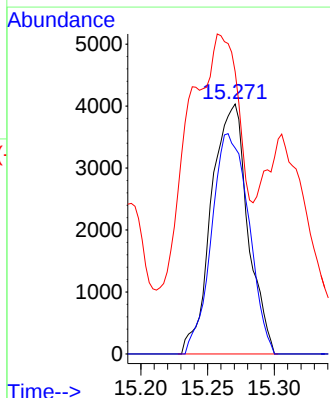
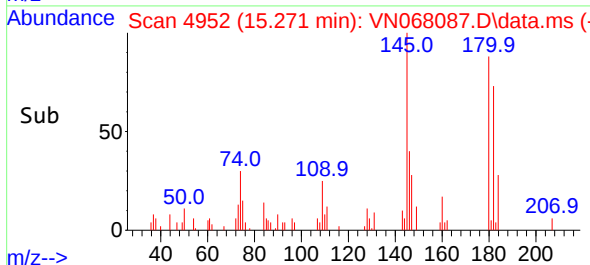
Tgt Ion:146 Resp: 3675
Ion Ratio Lower Upper
146 100
111 62.4 24.9 74.6
148 66.7 31.6 95.0



#93
1,2,4-Trichlorobenzene
Concen: 4.647 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.006 min
Lab File: VN068087.D
Acq: 12 Aug 2021 14:12



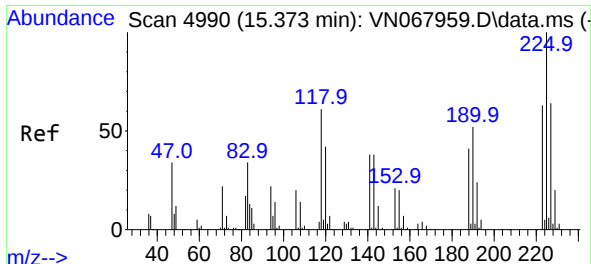
Tgt Ion:180 Resp: 7653
Ion Ratio Lower Upper
180 100
182 90.0 47.5 142.5
145 0.0 17.2 51.6#



Instrument :
MSVOA_N
ClientSampleId :
DEWATERING-DISCHARGE

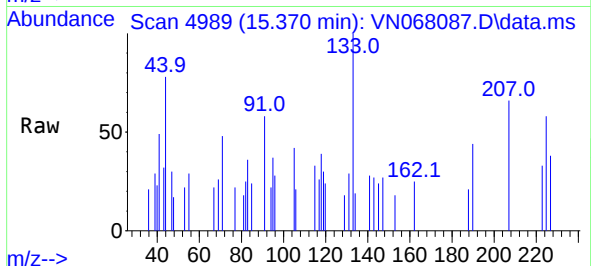
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#94
Hexachlorobutadiene
Concen: 0.606 ug/l
RT: 15.370 min Scan# 4989
Delta R.T. -0.003 min
Lab File: VN068087.D
Acq: 12 Aug 2021 14:12

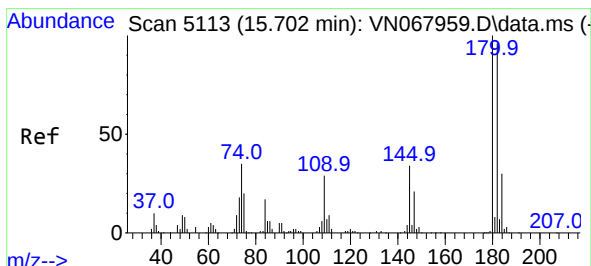
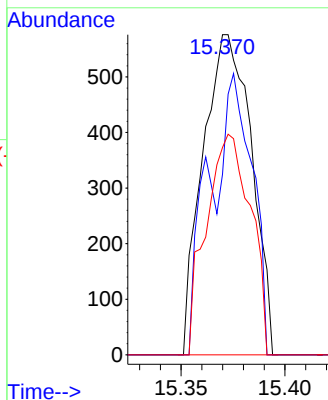
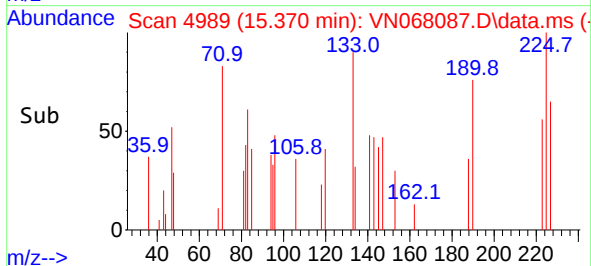
Instrument :
MSVOA_N
ClientSampleId :
DEWATERING-DISCHARGE



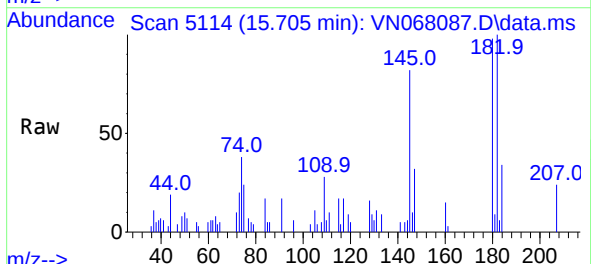
Tgt Ion:225 Resp: 937
Ion Ratio Lower Upper
225 100
223 52.0 31.4 94.0
227 62.9 31.2 93.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 5.088 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.003 min
Lab File: VN068087.D
Acq: 12 Aug 2021 14:12



Tgt Ion:180 Resp: 9020
Ion Ratio Lower Upper
180 100
182 98.0 47.8 143.3
145 0.0 18.2 54.6#

